

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053875.D
 Acq On : 20 Feb 2019 10:44
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:52:10 AM

Quant Time: Feb 21 03:32:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	684929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1021820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	918674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	492372	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1010381	144.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.68%	
35) Dibromofluoromethane	7.59	113	962751	143.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.14%	
50) Toluene-d8	10.09	98	3718790	153.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.08%	
62) 4-Bromofluorobenzene	12.40	95	1278918	159.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	853002	143.344	ug/l	99
3) Chloromethane	2.06	50	1100233	148.721	ug/l	99
4) Vinyl Chloride	2.19	62	1159228	145.974	ug/l	99
5) Bromomethane	2.55	94	849149	146.013	ug/l	100
6) Chloroethane	2.70	64	757343	147.559	ug/l	100
7) Trichlorofluoromethane	3.02	101	1624027	144.014	ug/l	100
8) Diethyl Ether	3.41	74	610368	153.970	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	934814	137.550	ug/l	99
10) Methyl Iodide	3.96	142	1535851	152.393	ug/l	100
11) Tert butyl alcohol	4.78	59	339245	776.348	ug/l	100
12) 1,1-Dichloroethene	3.74	96	913731	143.756	ug/l	99
13) Acrolein	3.60	56	354636	1135.465	ug/l	100
14) Allyl chloride	4.32	41	1472679	153.091	ug/l	99
15) Acrylonitrile	4.99	53	1717678	780.284	ug/l	100
16) Acetone	3.81	43	1283561	666.749	ug/l	99
17) Carbon Disulfide	4.06	76	2869344	145.753	ug/l	99
18) Methyl Acetate	4.32	43	650638	147.786	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	2526345	156.659	ug/l	99
20) Methylene Chloride	4.55	84	1014175	140.716	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	984662	147.604	ug/l	98
22) Diisopropyl ether	5.95	45	2862439	159.626	ug/l	99
23) Vinyl Acetate	5.89	43	10573572	830.884	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1747736	143.953	ug/l	100
25) 2-Butanone	6.83	43	1905127	766.923	ug/l	98
26) 2,2-Dichloropropane	6.82	77	1349934	146.524	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1115532	149.271	ug/l	100
28) Bromochloromethane	7.19	49	773028	145.886	ug/l	98
29) Tetrahydrofuran	7.21	42	1240182	771.962	ug/l	99
30) Chloroform	7.37	83	1731741	141.954	ug/l	99
31) Cyclohexane	7.65	56	1661646	131.225	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1519487	145.576	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1389927	148.399	ug/l	99
37) Ethyl Acetate	6.93	43	830275	160.626	ug/l	99
38) Carbon Tetrachloride	7.77	117	1396468	139.495	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1744250	161.616	ug/l	99
40) Benzene	8.04	78	4138686	149.470	ug/l	100
41) Methacrylonitrile	7.17	41	451150	136.718	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1221011	147.919	ug/l	99
43) Isopropyl Acetate	8.16	43	1499942	150.137	ug/l #	88
44) Trichloroethene	8.83	130	1182989	152.620	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1082989	153.201	ug/l	99
46) Dibromomethane	9.21	93	644890	151.509	ug/l	99
47) Bromodichloromethane	9.40	83	1366938	152.232	ug/l	99
48) Methyl methacrylate	9.20	41	747638	162.755	ug/l	95
49) 1,4-Dioxane	9.20	88	212135	3348.545	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3961379	852.976	ug/l	98
52) Toluene	10.16	92	2569414	156.589	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1499298	171.952	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1694913	164.923	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	917054	152.885	ug/l	99
56) Ethyl methacrylate	10.43	69	1222122	180.973	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1564799	154.935	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2740336	926.250	ug/l	99
59) 2-Hexanone	10.75	43	2653023	846.422	ug/l	99
60) Dibromochloromethane	10.90	129	1104162	157.702	ug/l	100
61) 1,2-Dibromoethane	11.00	107	938263	157.446	ug/l	99
64) Tetrachloroethene	10.63	164	1126863	137.174	ug/l	99
65) Chlorobenzene	11.43	112	2892882	150.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1063149	151.510	ug/l	100
67) Ethyl Benzene	11.51	91	4835144	155.371	ug/l	99
68) m/p-Xylenes	11.62	106	3772754	313.101	ug/l	99
69) o-Xylene	11.95	106	1824219	157.256	ug/l	100
70) Styrene	11.96	104	2998158	164.701	ug/l	100
71) Bromoform	12.13	173	814718	163.608	ug/l #	99
73) Isopropylbenzene	12.25	105	4689999	135.210	ug/l	99
74) N-amyl acetate	12.07	43	1254356	157.474	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1114581	135.912	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	989465m	153.835	ug/l	
77) Bromobenzene	12.53	156	1283073	137.892	ug/l	99
78) n-propylbenzene	12.59	91	5480623	141.294	ug/l	100
79) 2-Chlorotoluene	12.68	91	3212753	137.367	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4084973	141.878	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	342248	156.316	ug/l	97
82) 4-Chlorotoluene	12.77	91	3336216	143.183	ug/l	100
83) tert-Butylbenzene	12.99	119	3635520	140.621	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	4267133	147.767	ug/l	100
85) sec-Butylbenzene	13.17	105	5061502	145.405	ug/l	100
86) p-Isopropyltoluene	13.29	119	4592465	152.014	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2410188	148.435	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2410935	147.571	ug/l	100
89) n-Butylbenzene	13.61	91	3921514	157.850	ug/l	99
90) Hexachloroethane	13.88	117	850693	147.397	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2259913	141.863	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	186738	156.048	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1526659	186.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	870573	131.042	ug/l	98
95) Naphthalene	15.13	128	3219469	210.875	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1445919	182.281	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

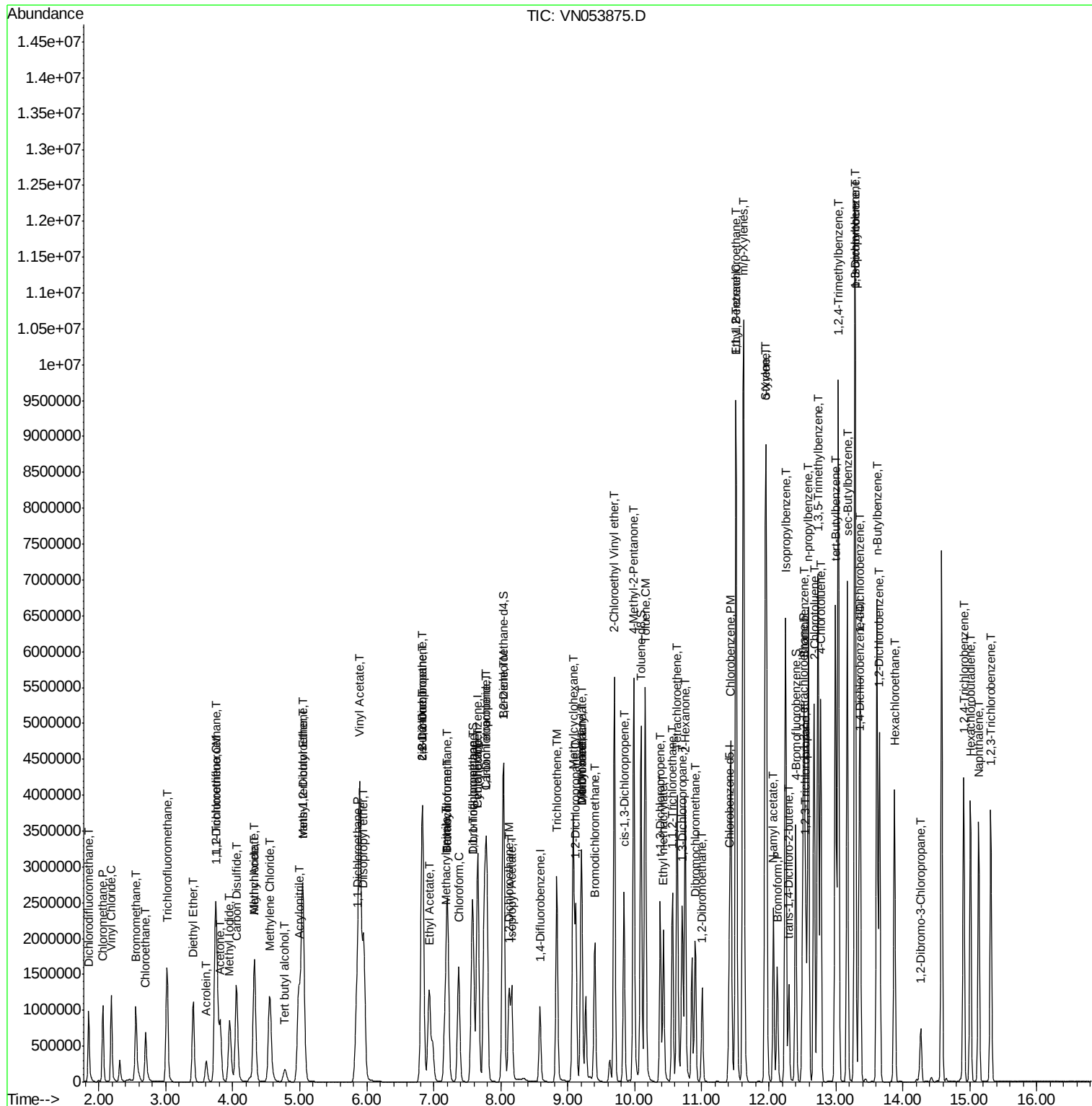
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Data File : VN053875.D
Acq On : 20 Feb 2019 10:44
Operator : JC/SP
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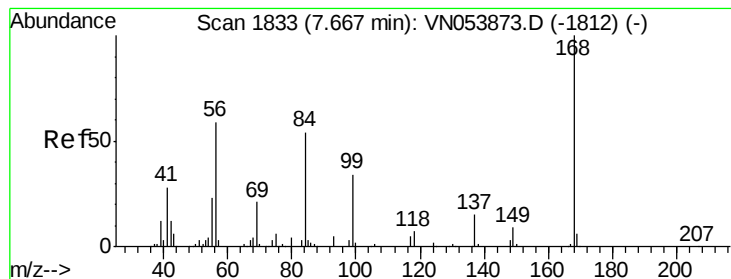
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Tot Ion: 168 Resp: 684929

Ion Ratio Lower Upper

168 100

99 46.5 36.9 55.3

Instrument :

MSVOA_N

ClientSampleId :

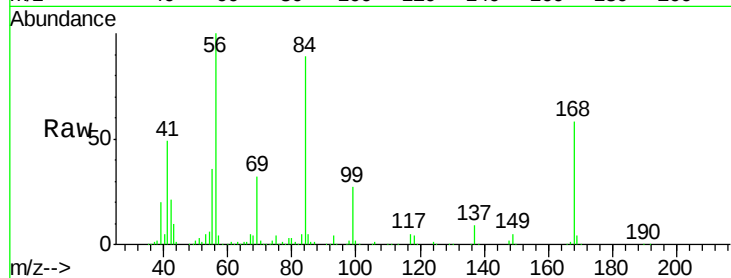
VSTDIC150

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

400000

300000

200000

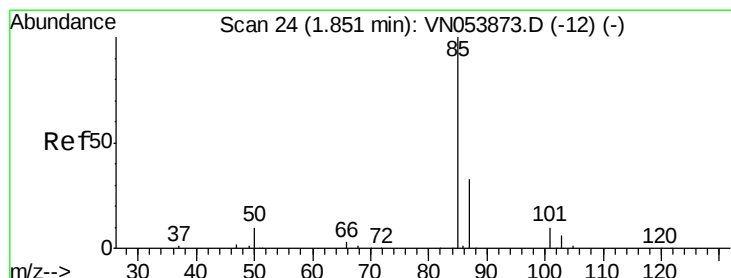
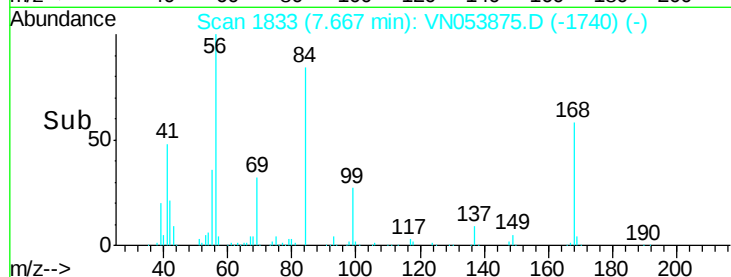
100000

0

7.60 7.65 7.70 7.75

7.67

Time-->



#2

Dichlorodifluoromethane

Concen: 143.344 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053875.D

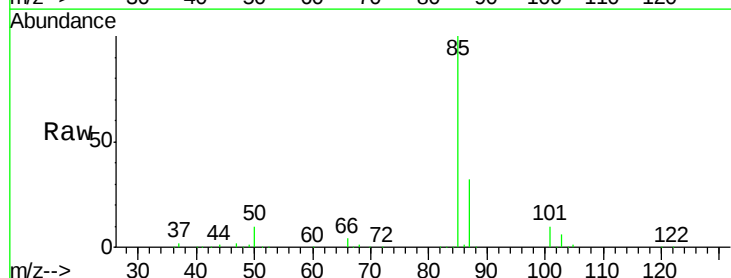
Acq: 20 Feb 2019 10:44

Tgt Ion: 85 Resp: 853002

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

400000

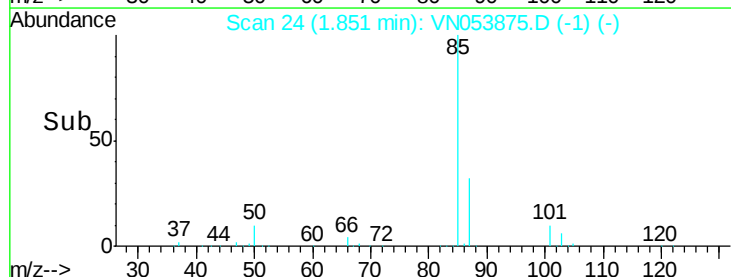
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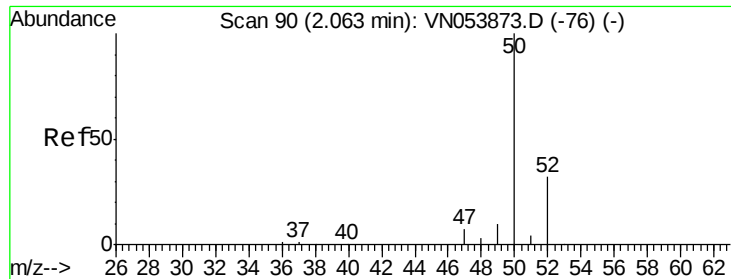
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1.80 1.85 1.90 1.95 2.00

1.85

Time-->





#3

Chloromethane

Concen: 148.721 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Tot Ion: 50 Resp: 1100233

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

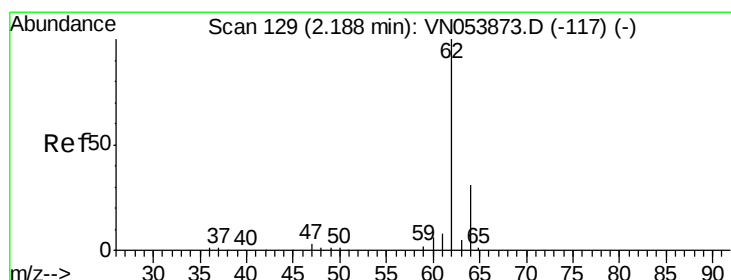
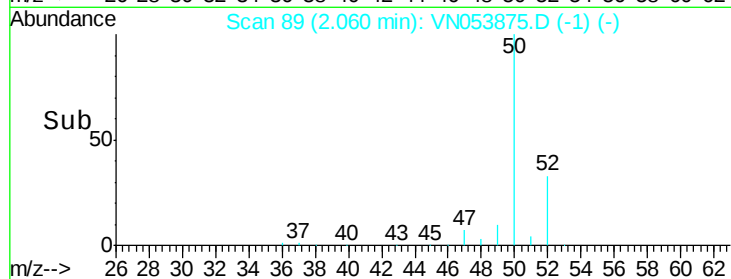
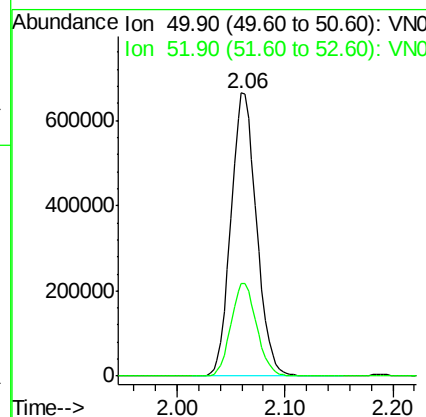
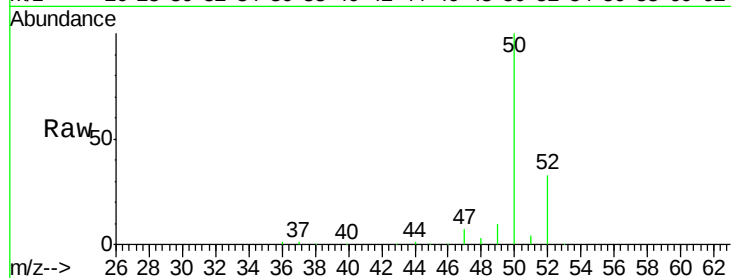
VSTDIC150

Manual Integrations

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#4

Vinyl Chloride

Concen: 145.974 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053875.D

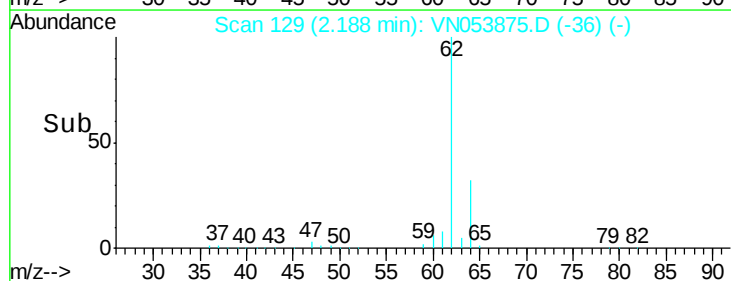
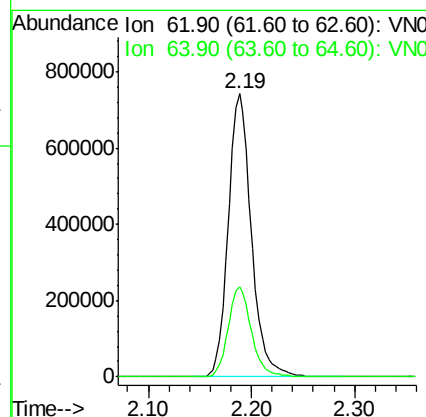
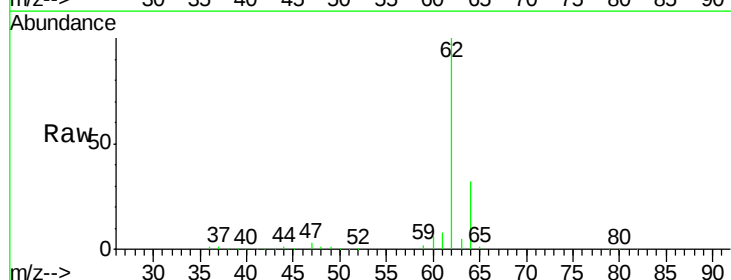
Acq: 20 Feb 2019 10:44

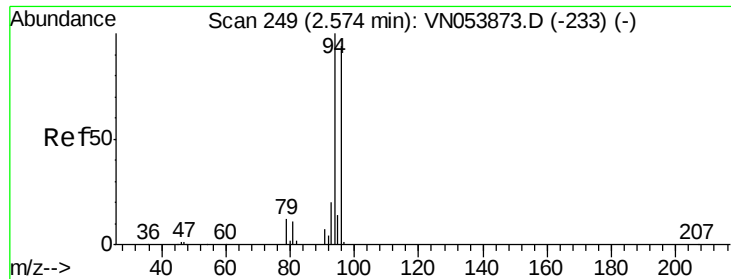
Tgt Ion: 62 Resp: 1159228

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 146.013 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 849149

Ion Ratio Lower Upper

94 100

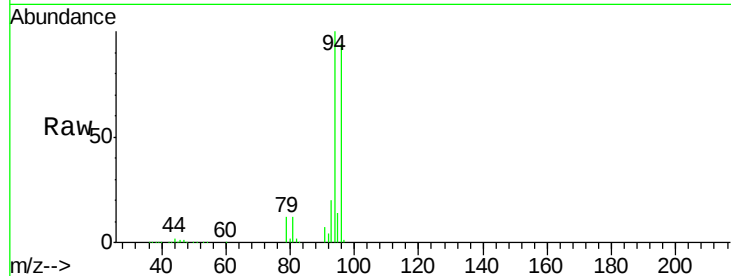
96 93.8 74.9 112.3

Manual Integrations

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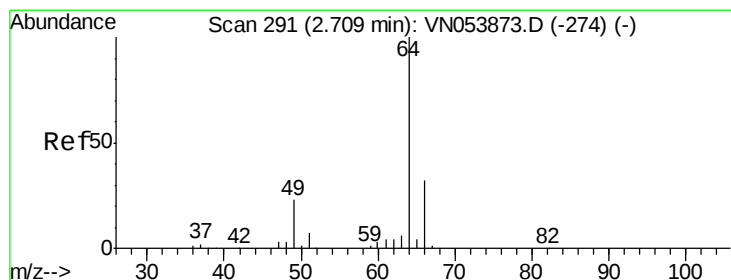
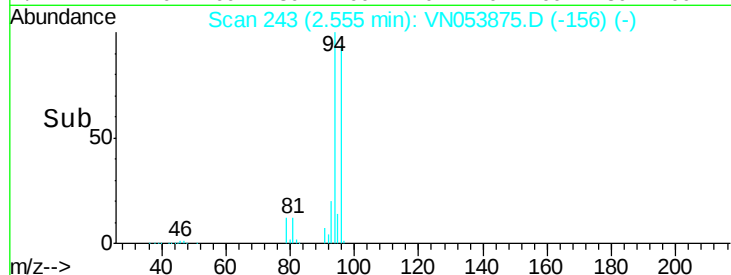
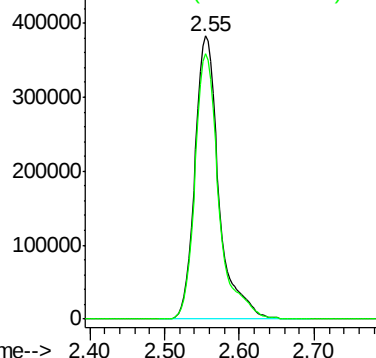
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 147.559 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN053875.D

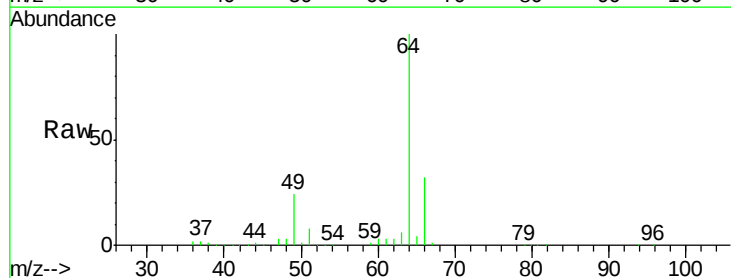
Acq: 20 Feb 2019 10:44

Tgt Ion: 64 Resp: 757343

Ion Ratio Lower Upper

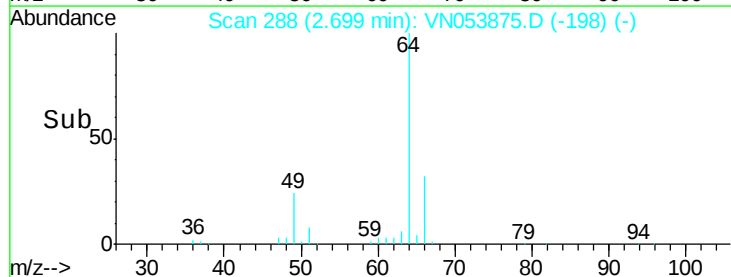
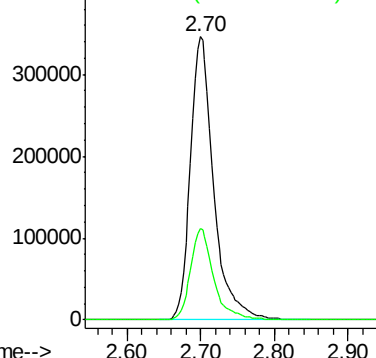
64 100

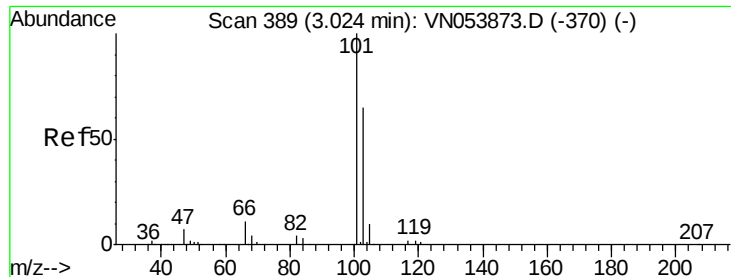
66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

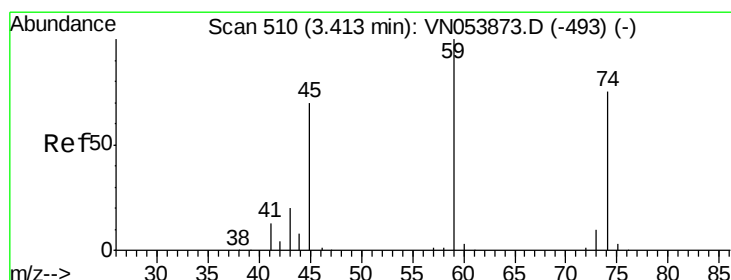
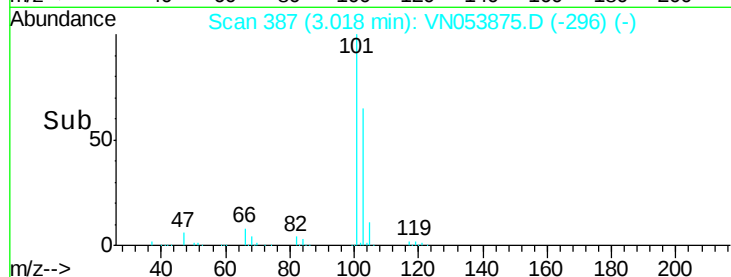
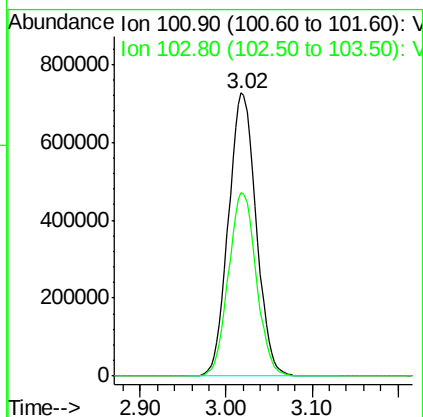
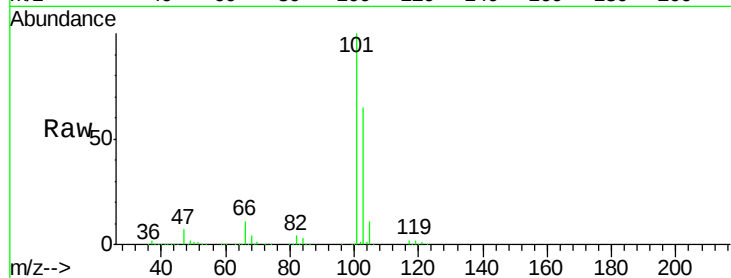
Trichlorofluoromethane
Concen: 144.014 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1624027
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9

Manual Integrations
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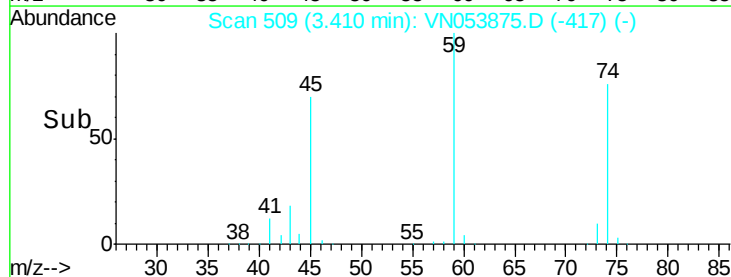
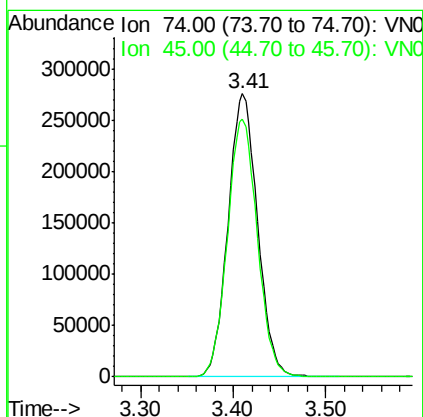
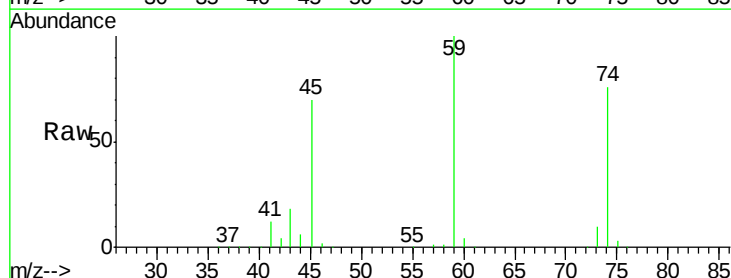
MMDadoda
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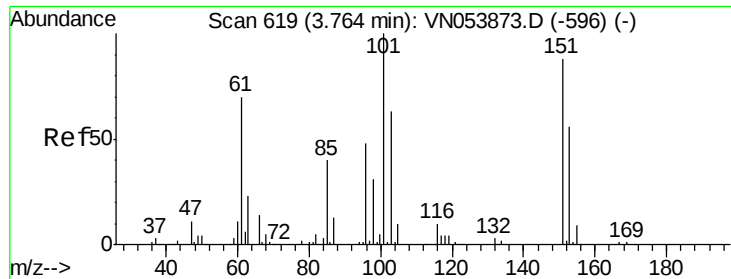


#8

Diethyl Ether
Concen: 153.970 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 74 Resp: 610368
Ion Ratio Lower Upper
74 100
45 92.4 46.9 140.6





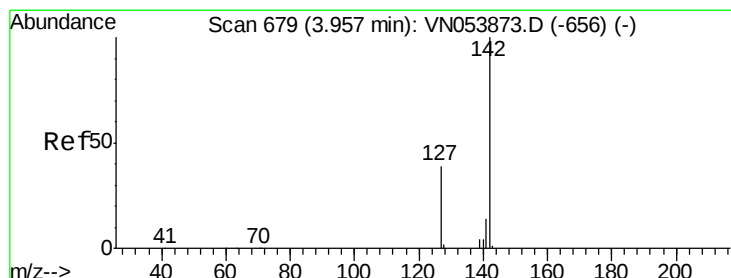
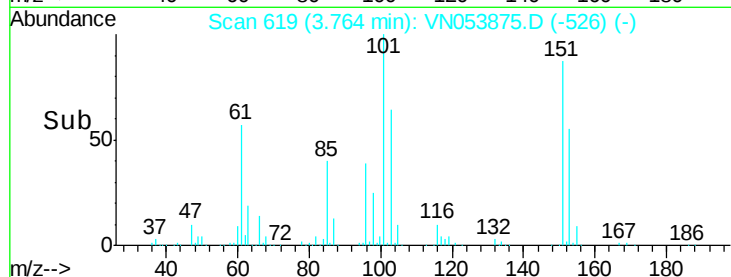
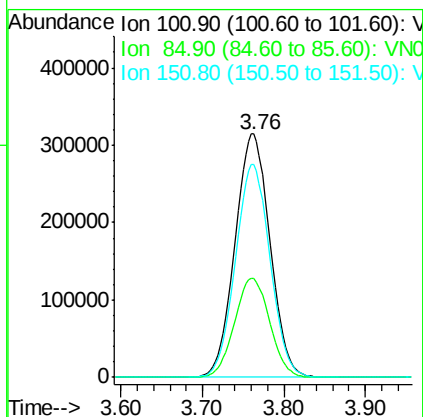
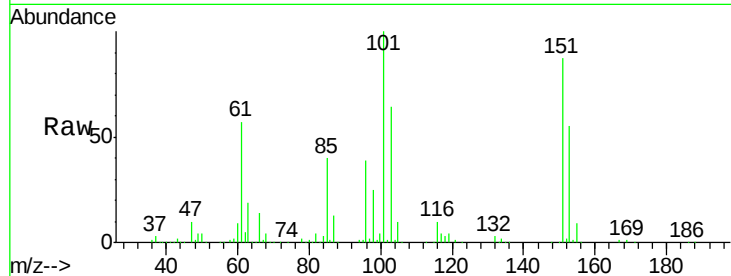
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 137.550 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	934814		
85	41.0	32.5	48.7	
151	86.7	70.2	105.2	

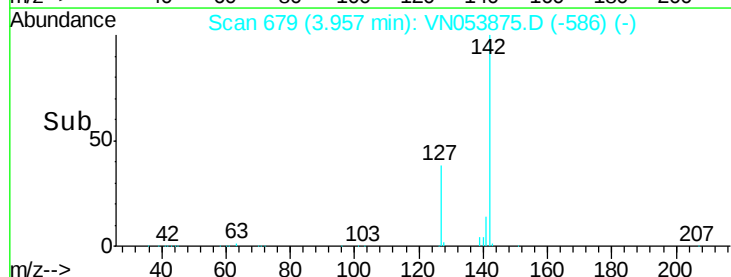
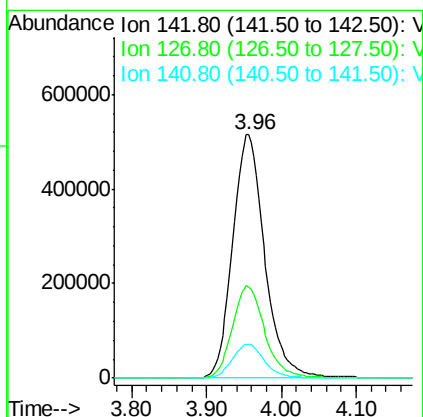
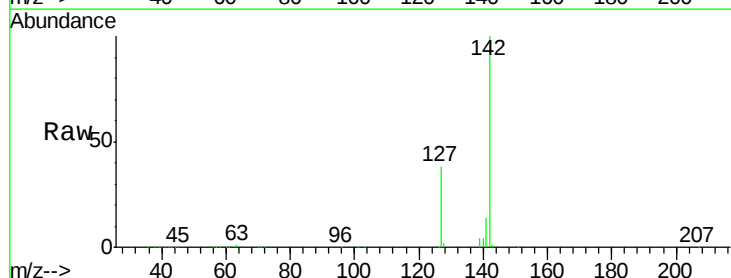
Manual Integrations
 APPROVED

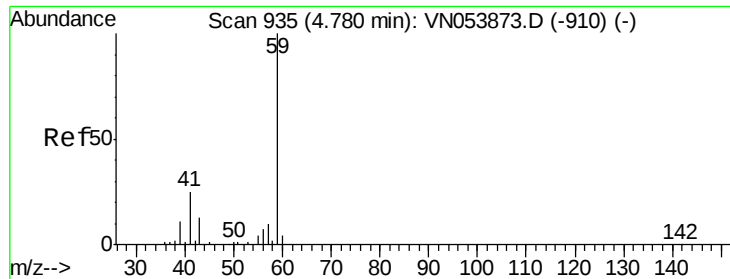
MMDadoda
 2/21/2019 10:52:10 AM



#10
 Methyl Iodide
 Concen: 152.393 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1535851		
127	38.4	31.0	46.4	
141	14.1	11.3	16.9	





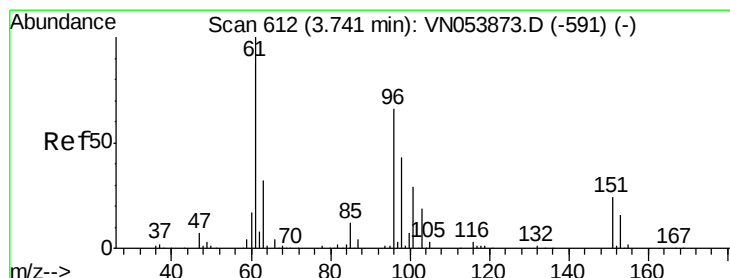
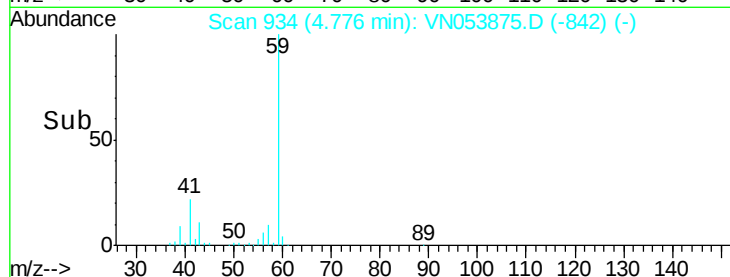
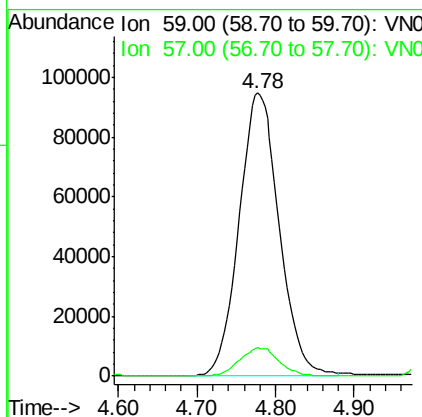
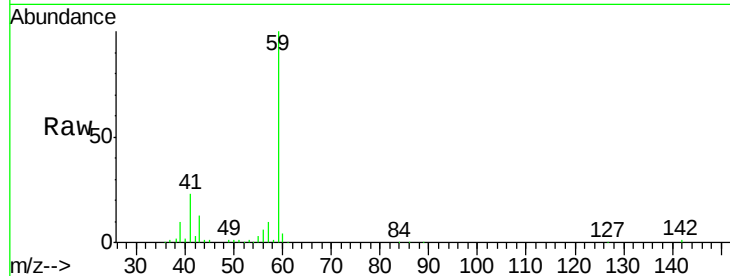
#11
Tert butyl alcohol
Concen: 776.348 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 339245
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1

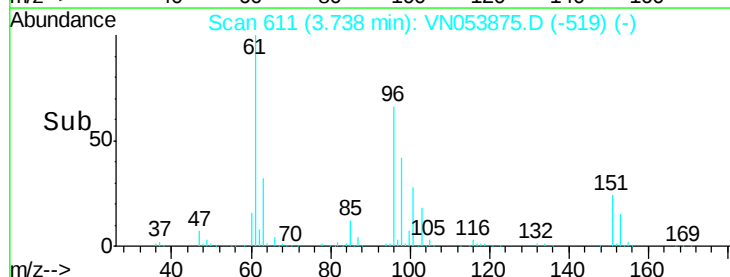
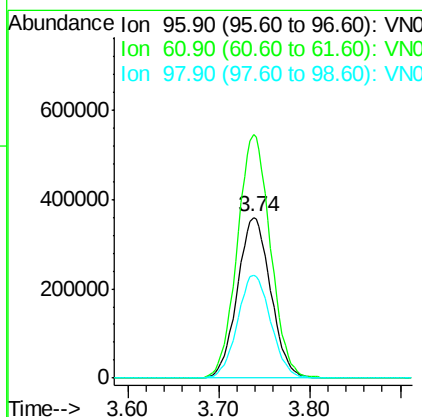
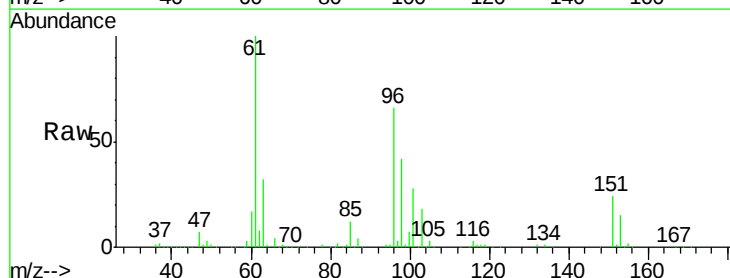
Manual Integrations
APPROVED

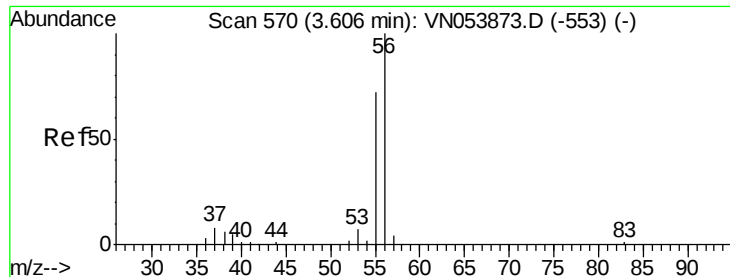
MMDadoda
2/21/2019 10:52:10 AM



#12
1,1-Dichloroethene
Concen: 143.756 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 96 Resp: 913731
Ion Ratio Lower Upper
96 100
61 151.4 121.0 181.4
98 64.1 52.2 78.2





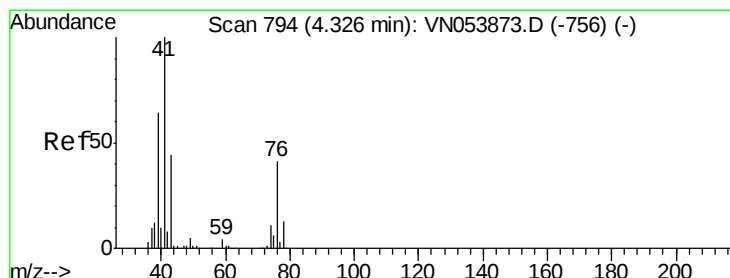
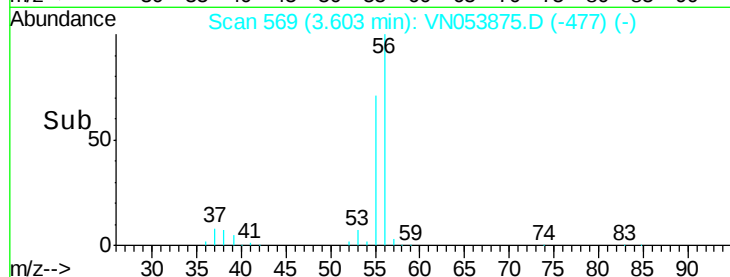
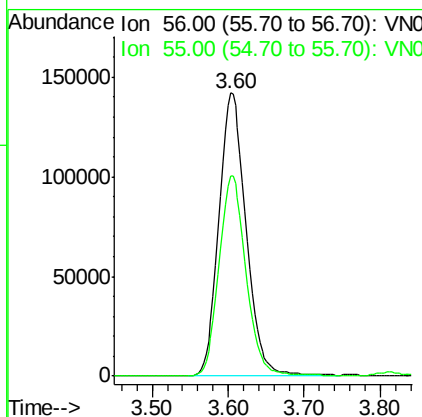
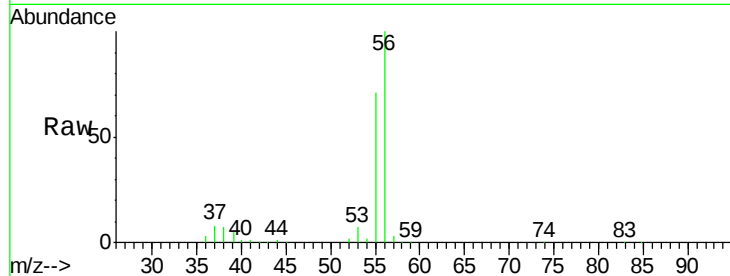
#13
Acrolein
Concen: 1135.465 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.3	84.5

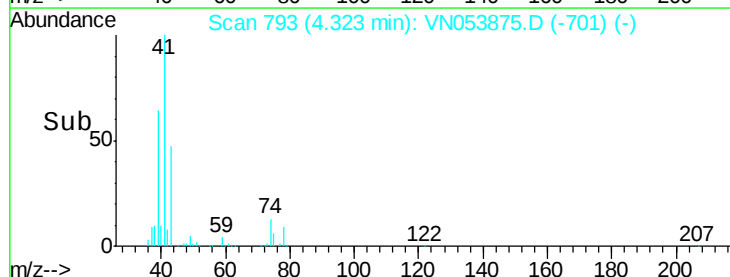
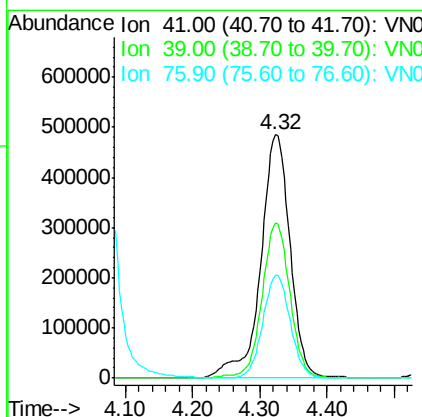
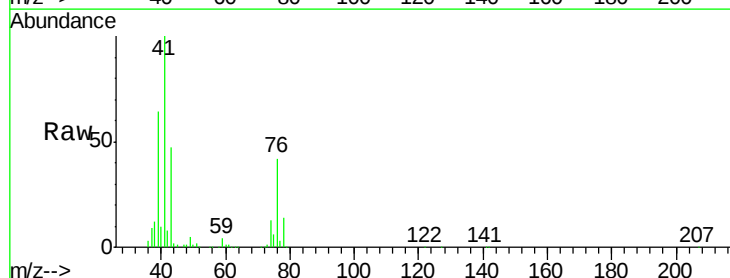
Manual Integrations
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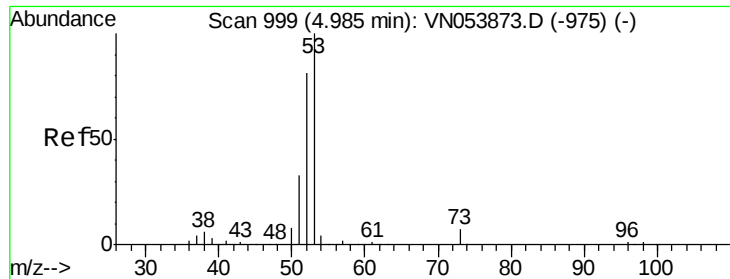
MMDadoda
2/21/2019 10:52:10 AM



#14
Allyl chloride
Concen: 153.091 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.5	48.8	73.2
76	39.1	30.9	46.3





#15

Acrylonitrile

Concen: 780.284 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1717678

Ion Ratio Lower Upper

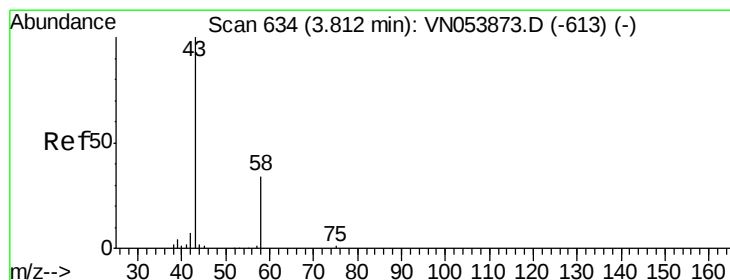
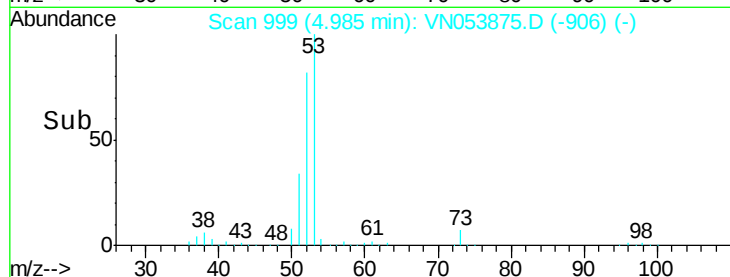
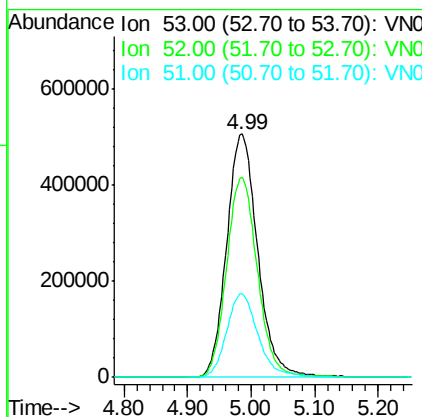
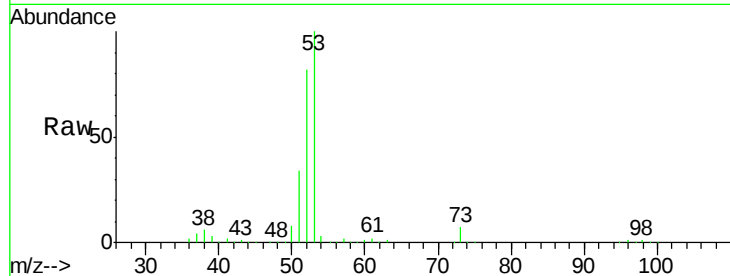
53 100

52 81.9 65.1 97.7

51 35.0 28.2 42.4

Manual Integrations
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MMDadoda
2/21/2019 10:52:10 AM



#16

Acetone

Concen: 666.749 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053875.D

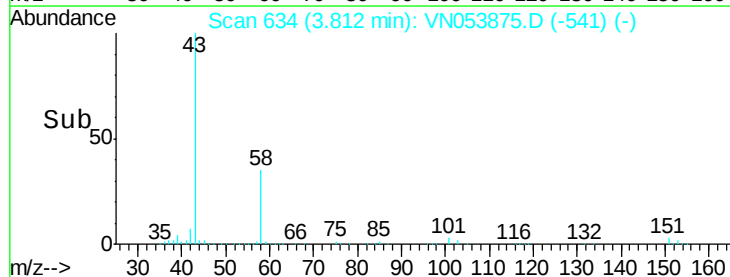
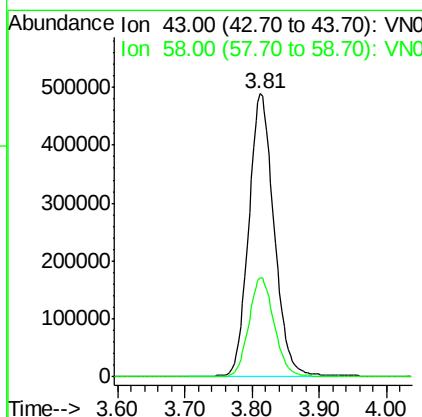
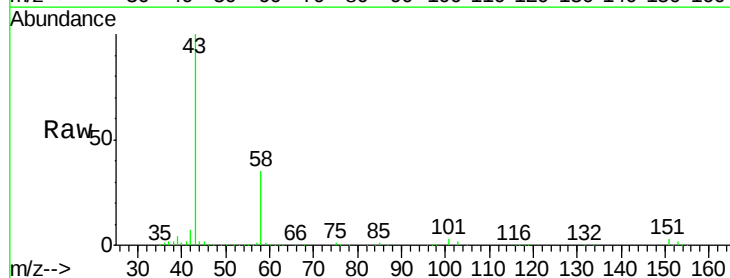
Acq: 20 Feb 2019 10:44

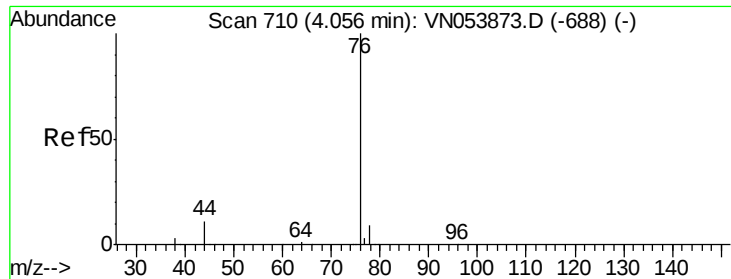
Tgt Ion: 43 Resp: 1283561

Ion Ratio Lower Upper

43 100

58 35.1 27.6 41.4





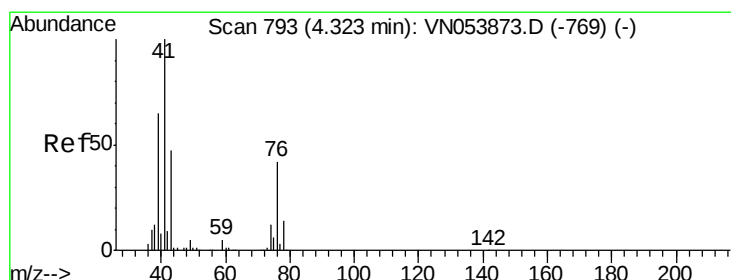
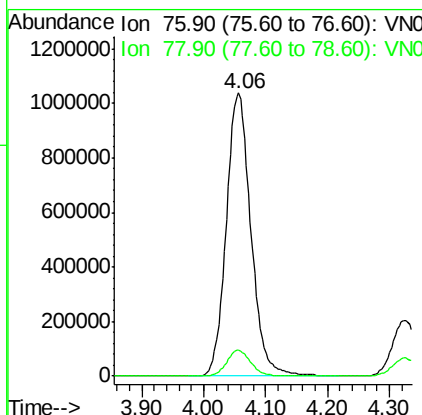
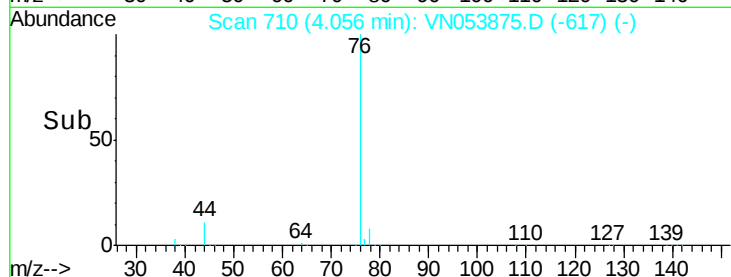
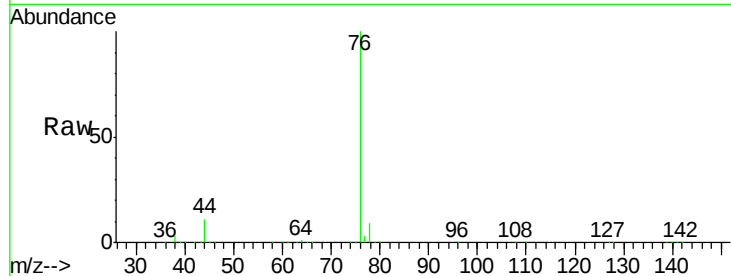
#17
Carbon Disulfide
Concen: 145.753 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2869344
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

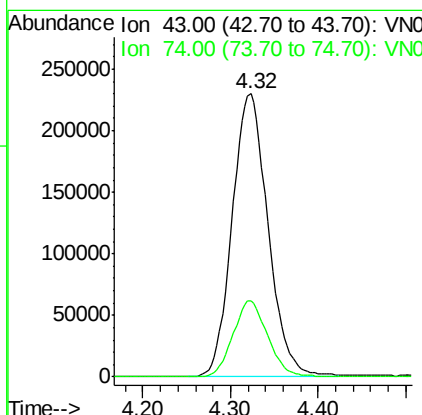
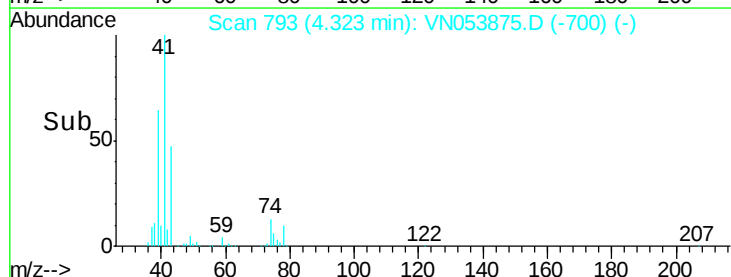
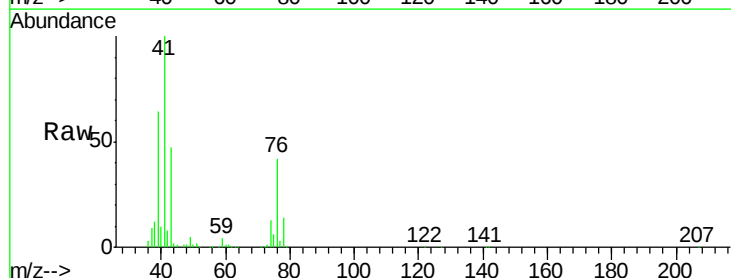
Manual Integrations
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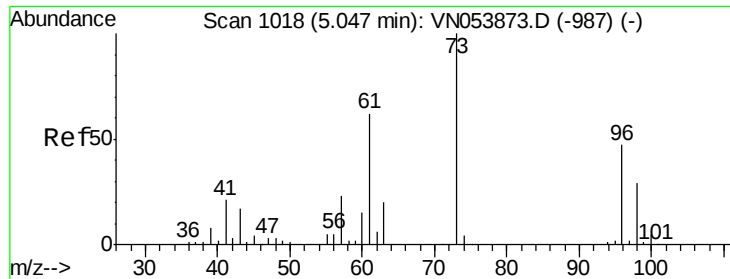
MMDadoda
2/21/2019 10:52:10 AM



#18
Methyl Acetate
Concen: 147.786 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 43 Resp: 650638
Ion Ratio Lower Upper
43 100
74 26.4 20.5 30.7





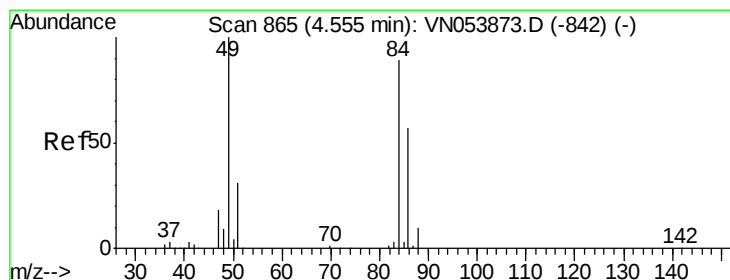
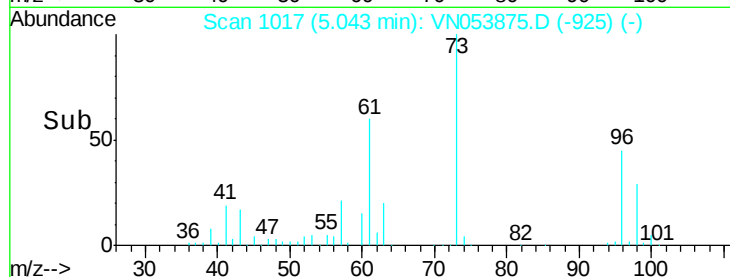
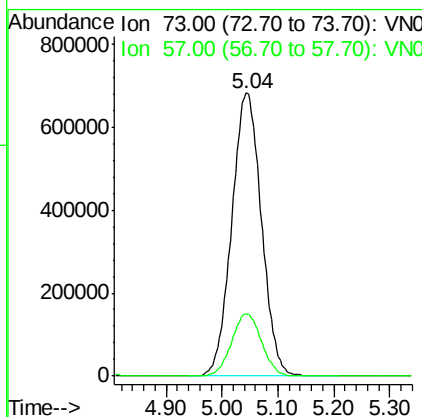
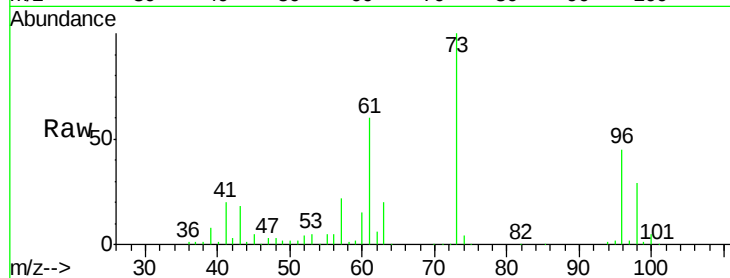
#19
Methvl tert-butvl Ether
Concen: 156.659 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2526345
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0

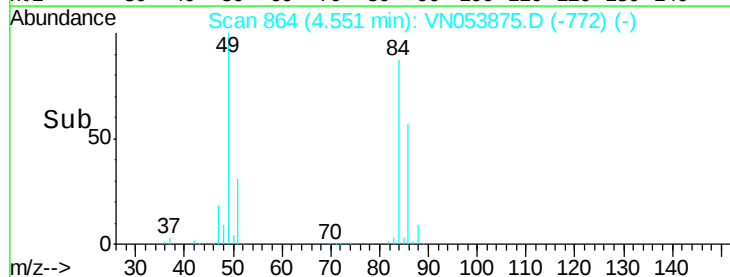
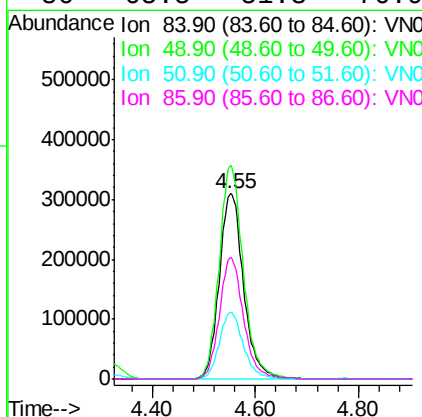
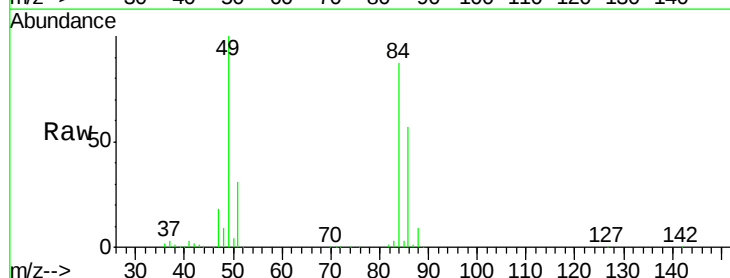
Manual Integrations
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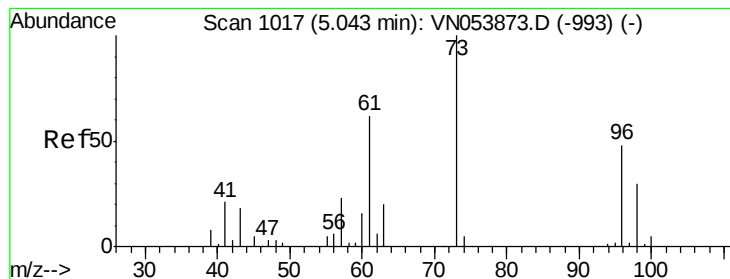
MMDadoda
2/21/2019 10:52:10 AM



#20
Methylene Chloride
Concen: 140.716 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 84 Resp: 1014175
Ion Ratio Lower Upper
84 100
49 115.2 89.7 134.5
51 36.2 27.8 41.8
86 65.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 147.604 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 984662

Ion Ratio Lower Upper

96 100

61 134.0 104.5 156.7

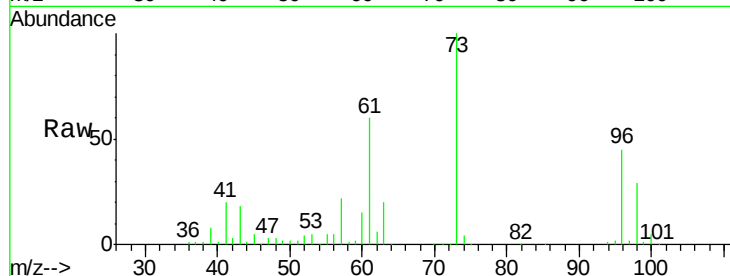
98 63.9 50.6 76.0

Manual Integrations

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MMDadoda

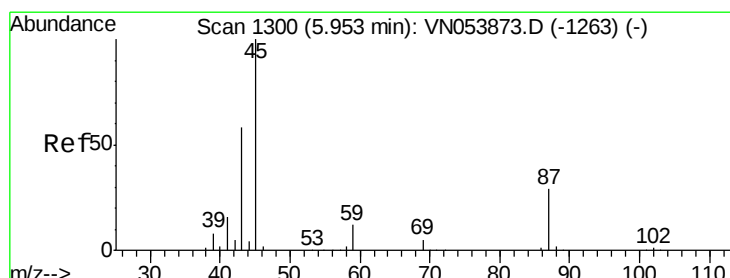
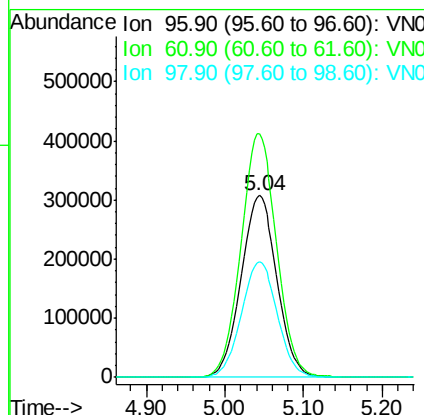
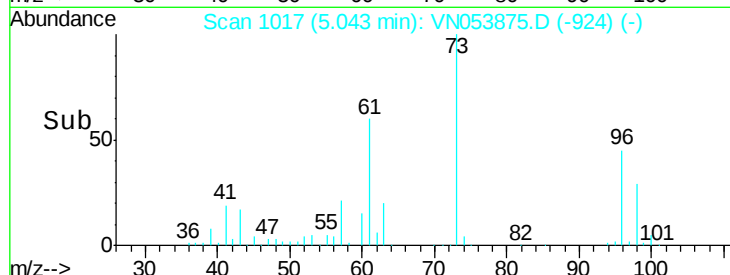
2/21/2019 10:52:10 AM



Abundance Ion 95.90 (95.60 to 96.60): VN053873.D (-993) (-)

Ion 60.90 (60.60 to 61.60): VN053873.D (-993) (-)

Ion 97.90 (97.60 to 98.60): VN053873.D (-993) (-)



#22

Diisopropyl ether

Concen: 159.626 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Tgt Ion: 45 Resp: 2862439

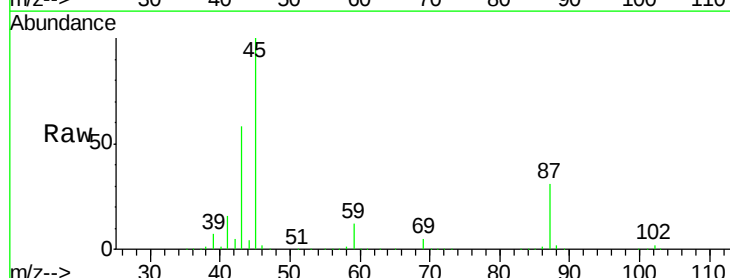
Ion Ratio Lower Upper

45 100

43 57.1 46.2 69.4

87 30.2 23.4 35.0

59 12.3 9.4 14.0

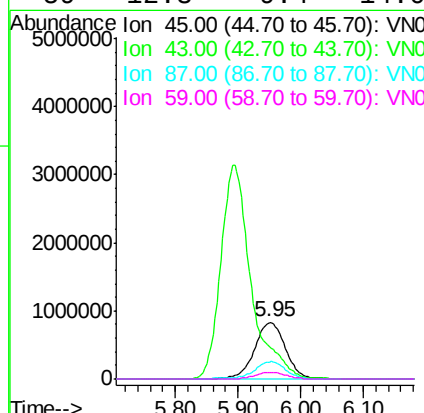
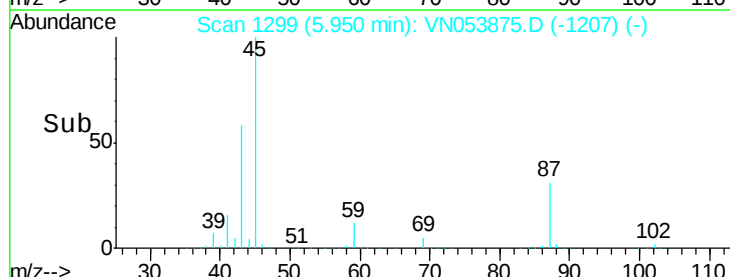


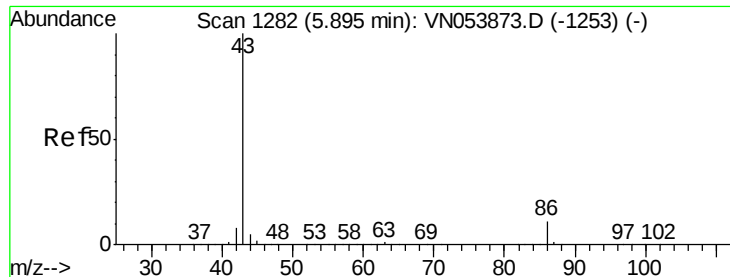
Abundance Ion 45.00 (44.70 to 45.70): VN053875.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN053875.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN053875.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN053875.D (-1207) (-)





#23

Vinyl Acetate

Concen: 830.884 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:10573572

Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.1	13.7

43 100

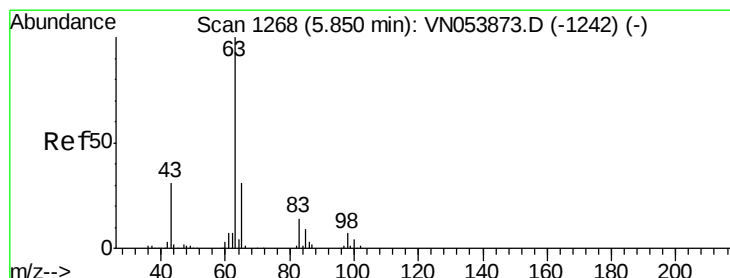
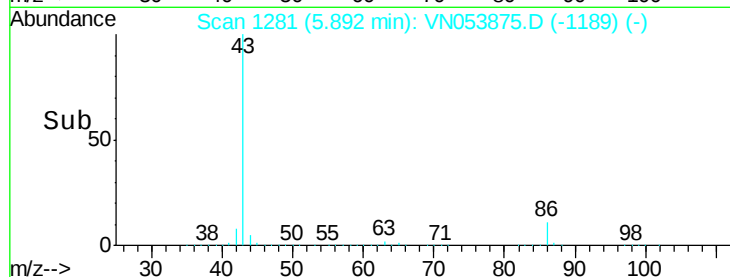
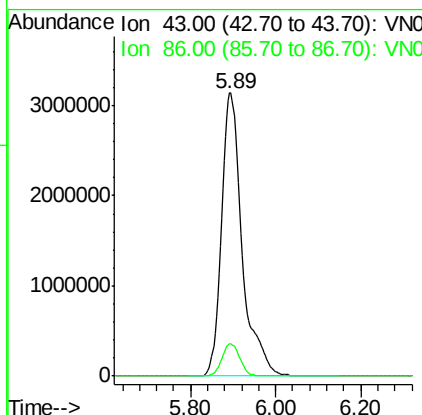
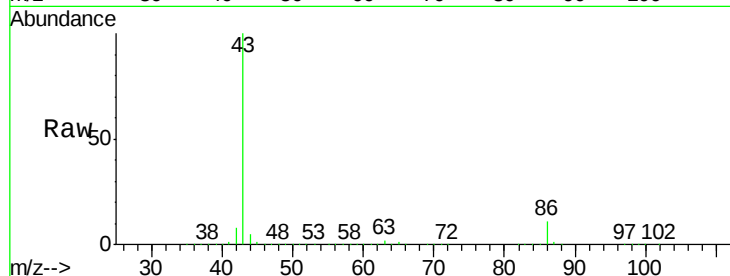
86 11.3 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 143.953 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

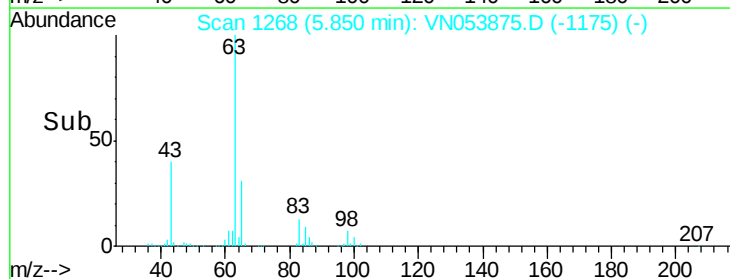
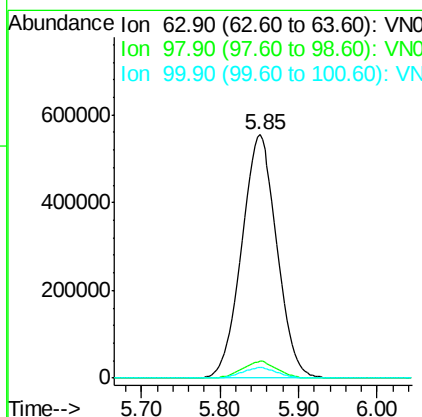
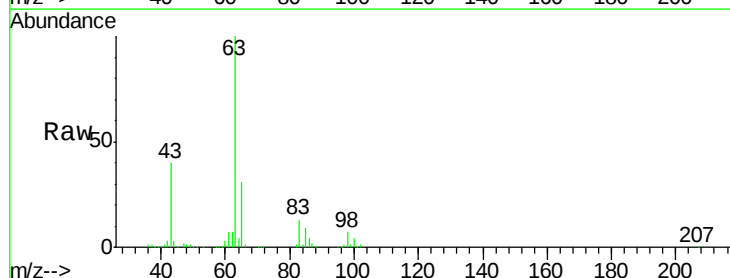
Tgt Ion: 63 Resp: 1747736

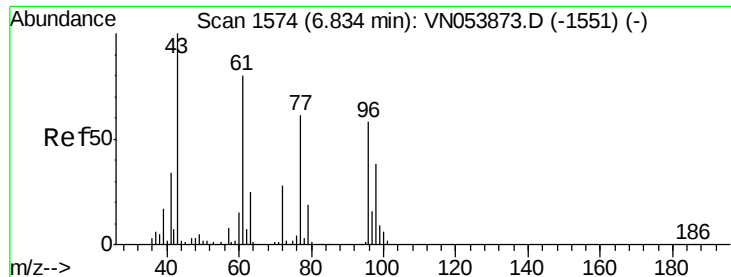
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.2	6.6

63 100

98 6.8 3.4 10.2

100 4.3 2.2 6.6





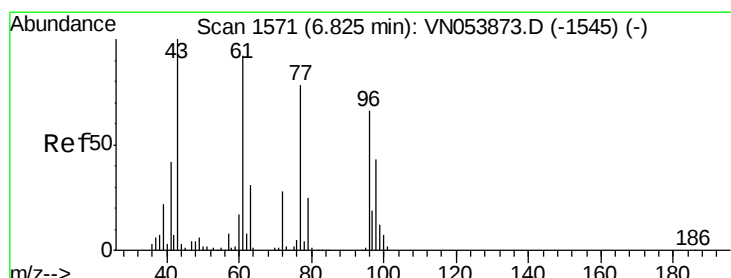
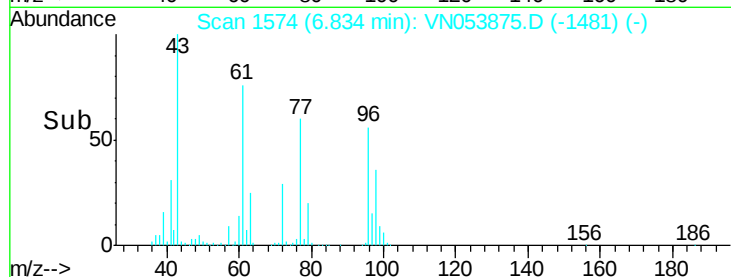
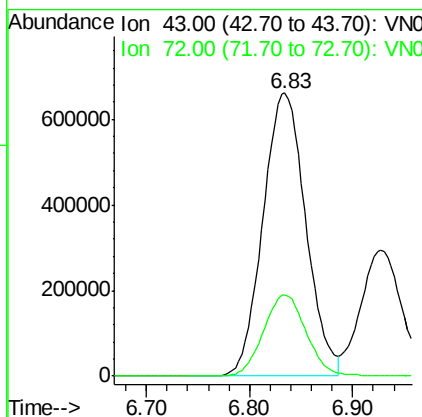
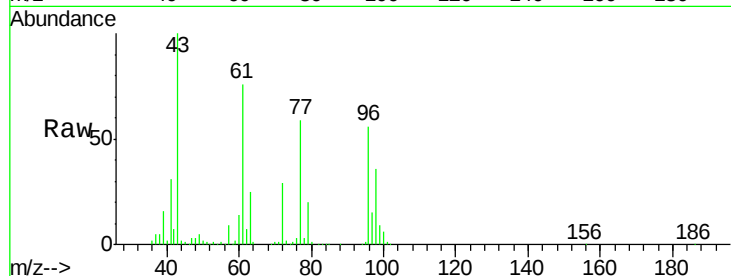
#25
2-Butanone
Concen: 766.923 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1905127
Ion Ratio Lower Upper
43 100
72 28.9 22.1 33.1

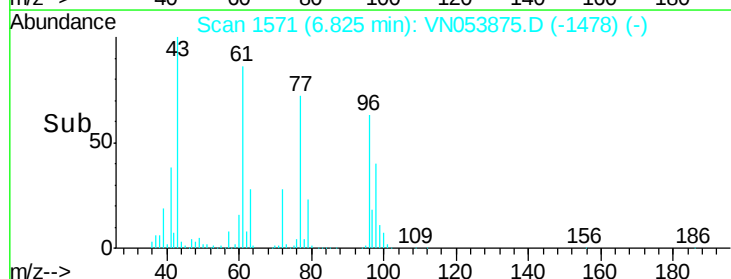
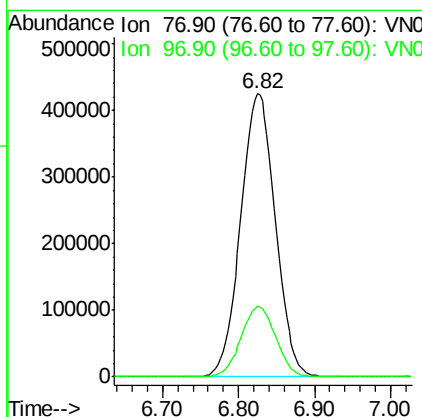
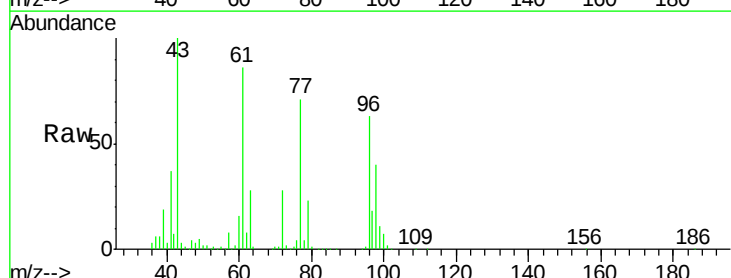
Manual Integrations
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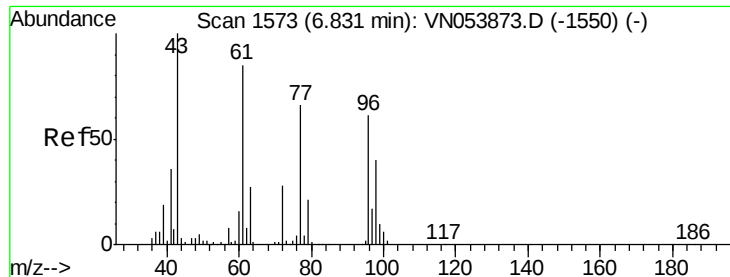
MMDadoda
2/21/2019 10:52:10 AM



#26
2,2-Dichloropropane
Concen: 146.524 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 77 Resp: 1349934
Ion Ratio Lower Upper
77 100
97 24.9 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 149.271 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 111532

Ion Ratio Lower Upper

96 100

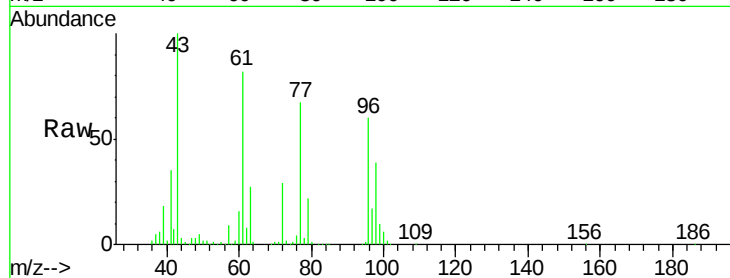
61 137.3 0.0 275.6

98 64.7 0.0 130.0

Manual Integrations
APPROVED

MMDadoda

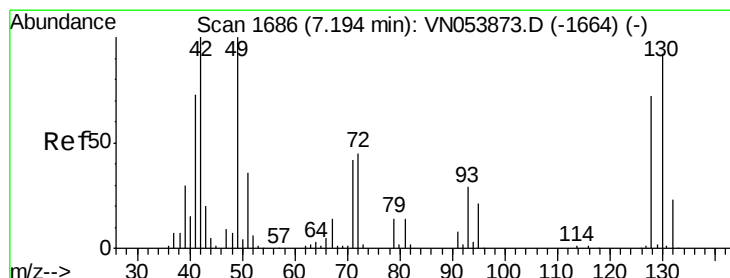
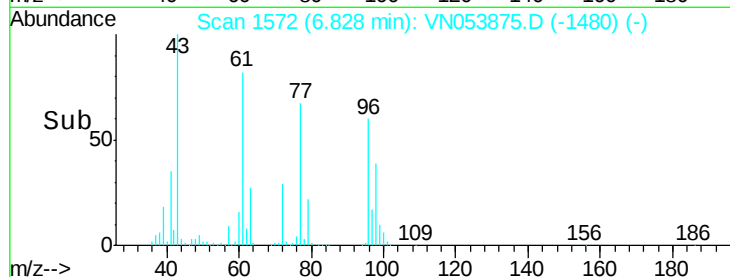
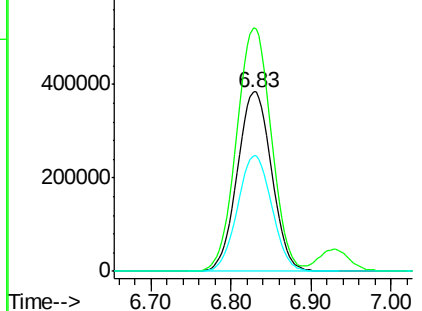
2/21/2019 10:52:10 AM



Abundance Ion 95.90 (95.60 to 96.60): VN053875.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN053875.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN053875.D (-1550) (-)



#28

Bromochloromethane

Concen: 145.886 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

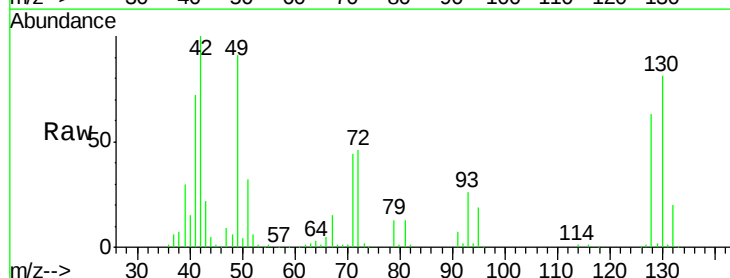
Tgt Ion: 49 Resp: 773028

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

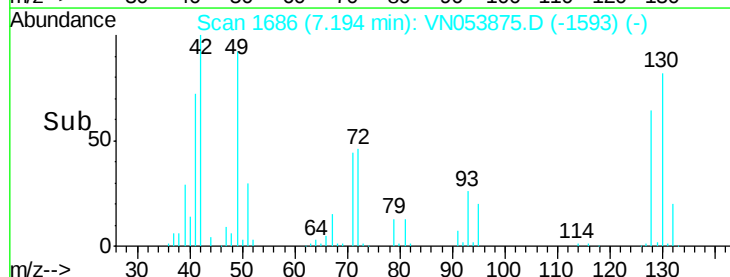
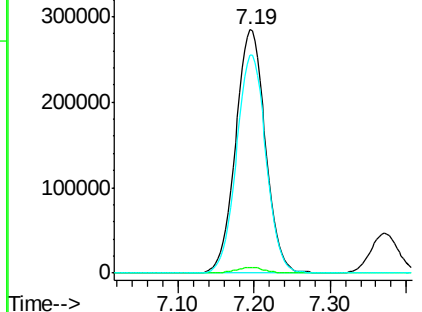
130 88.9 72.9 109.3

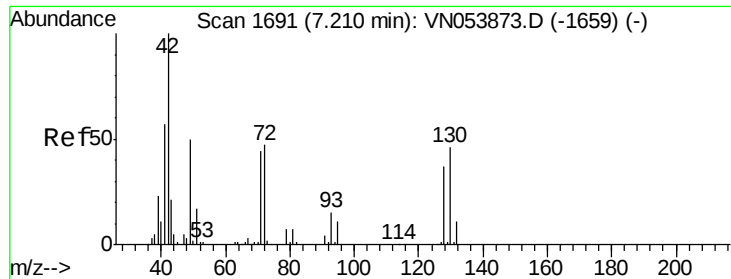


Abundance Ion 48.90 (48.60 to 49.60): VN053875.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053875.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053875.D (-1593) (-)





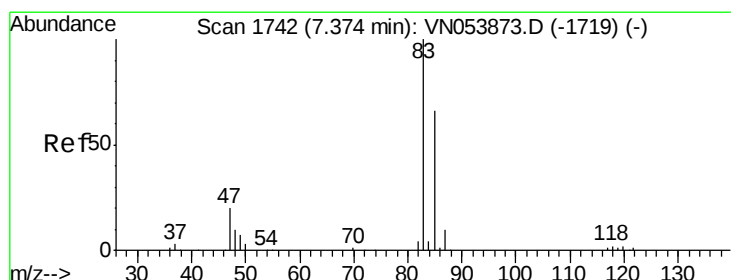
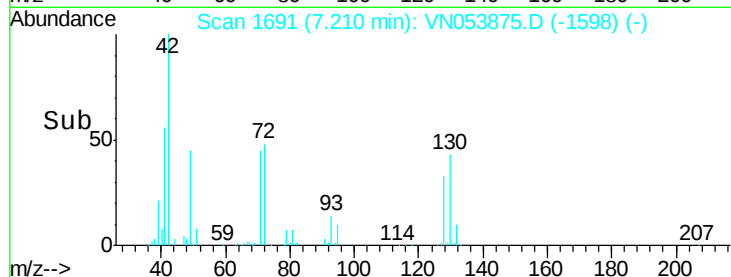
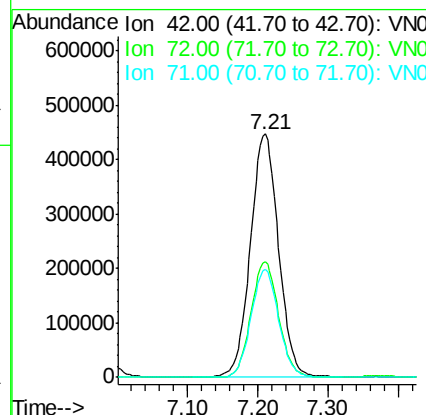
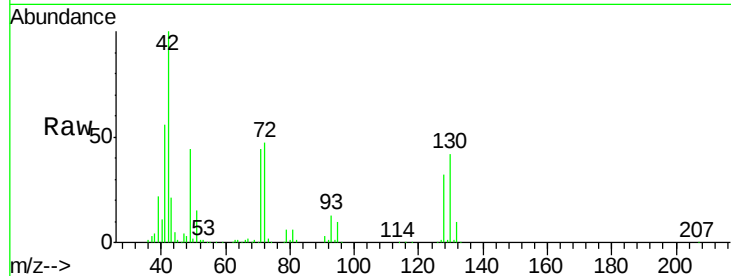
#29
Tetrahydrofuran
Concen: 771.962 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 42 Resp: 1240182
Ion Ratio Lower Upper
42 100
72 46.6 36.9 55.3
71 43.5 34.6 52.0

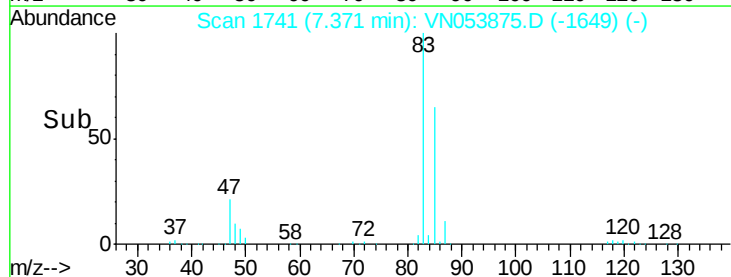
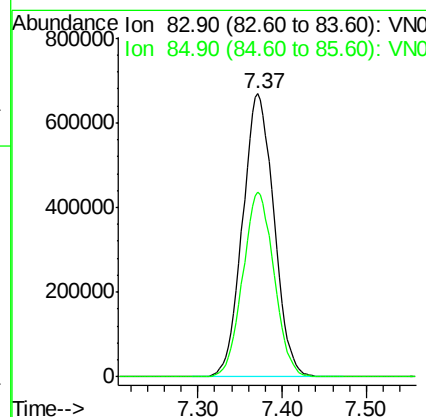
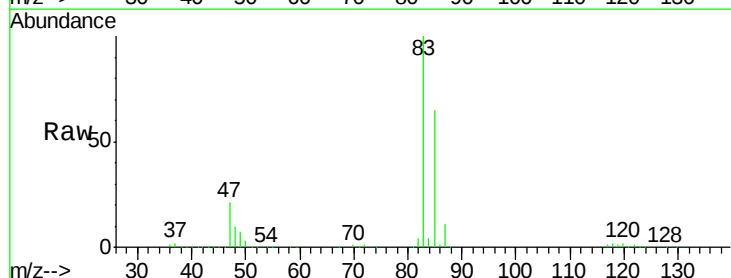
Manual Integrations
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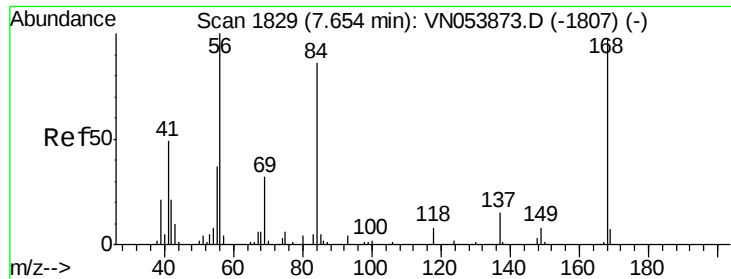
MMDadoda
2/21/2019 10:52:10 AM



#30
Chloroform
Concen: 141.954 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 83 Resp: 1731741
Ion Ratio Lower Upper
83 100
85 65.2 52.6 78.8





#31

Cyclohexane

Concen: 131.225 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 1661646

Ion Ratio Lower Upper

56 100

69 31.6 26.0 39.0

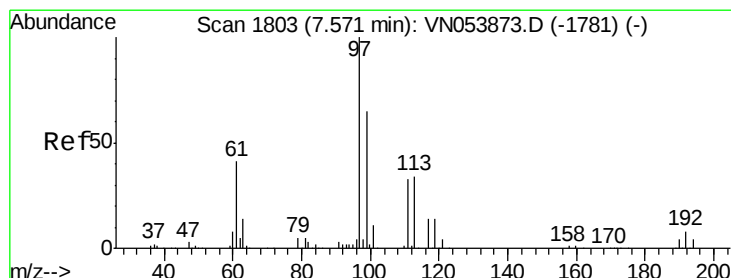
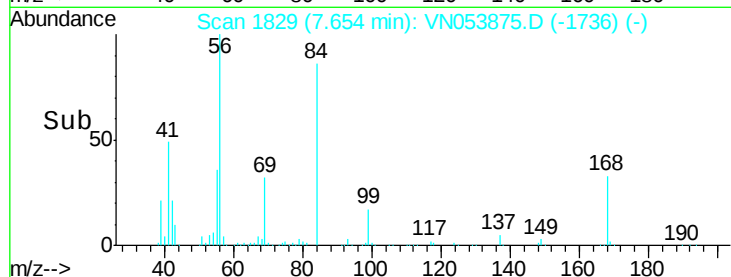
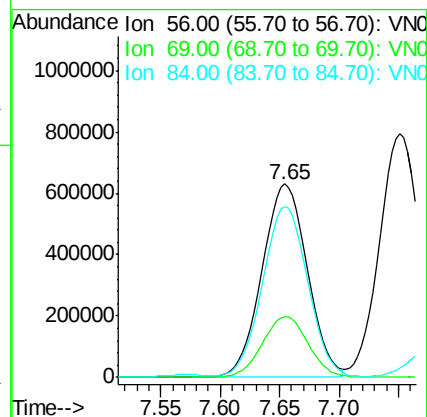
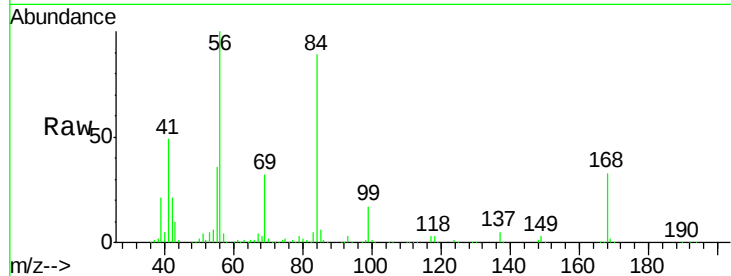
84 87.3 69.1 103.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 145.576 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

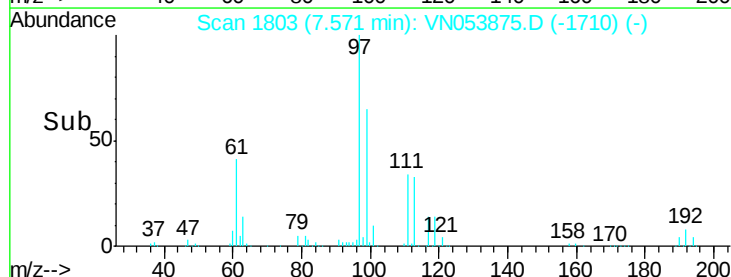
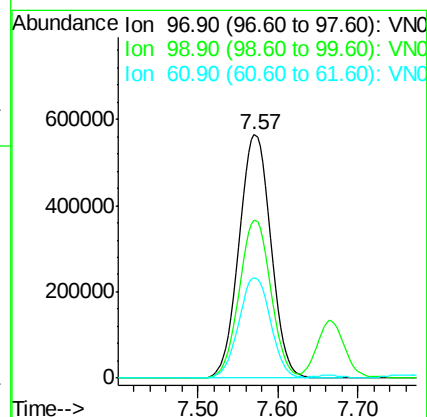
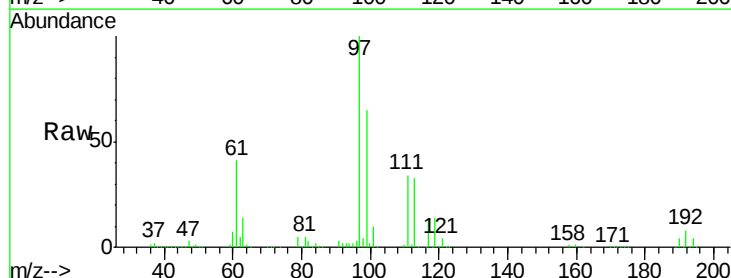
Tgt Ion: 97 Resp: 1519487

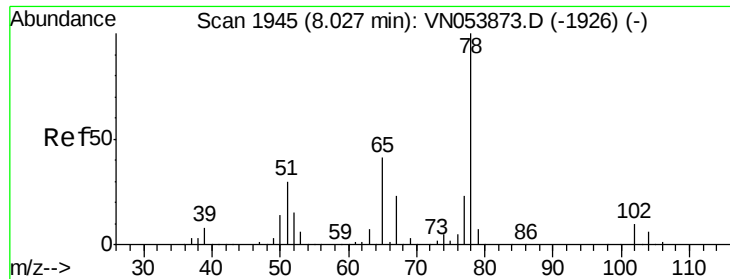
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 41.1 33.2 49.8





#33

1,2-Dichloroethane-d4

Concen: 144.343 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 1010381

Ion Ratio Lower Upper

65 100

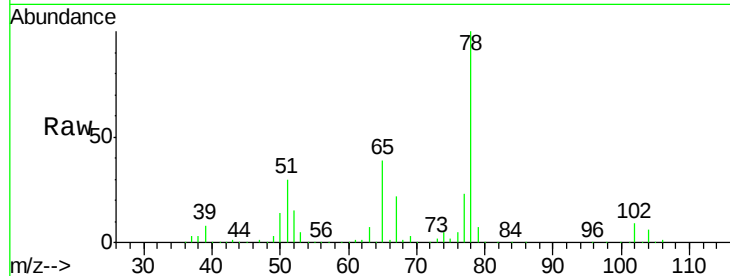
67 55.2 0.0 111.8

Manual Integrations

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2/21/2019 10:52:10 AM



Abundance Ion 64.90 (64.60 to 65.60): VN053875.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053875.D (-1852) (-)

8.03

400000

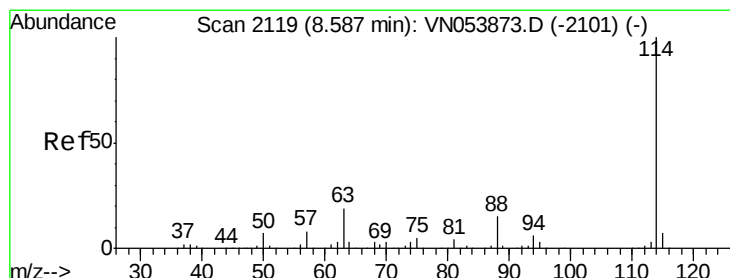
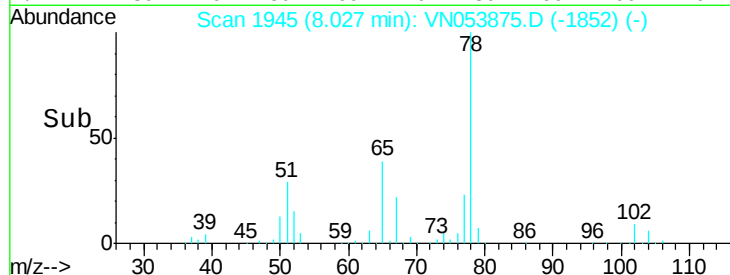
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

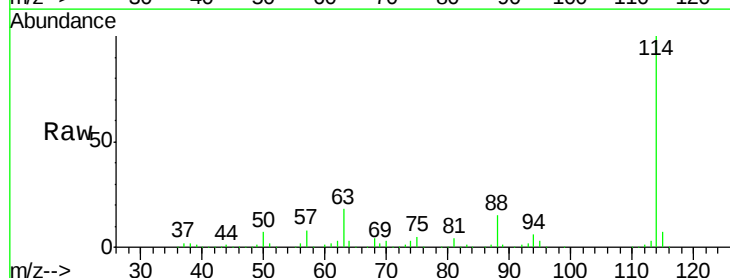
Tgt Ion: 114 Resp: 1021820

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053875.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053875.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053875.D (-2026) (-)

8.59

600000

500000

400000

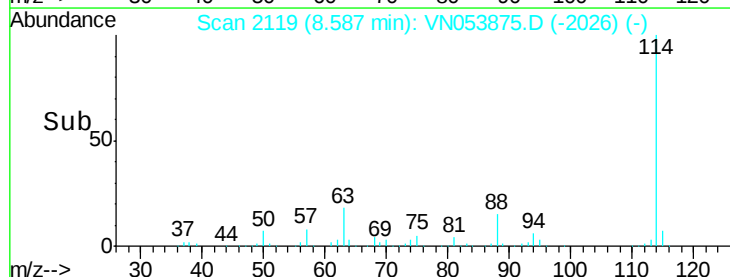
300000

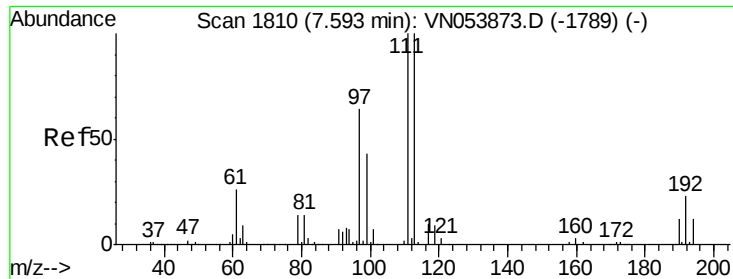
200000

100000

0

Time-->





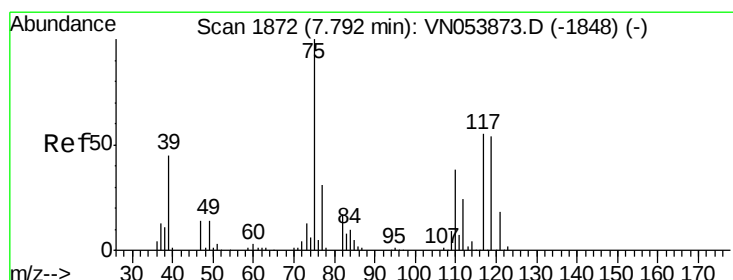
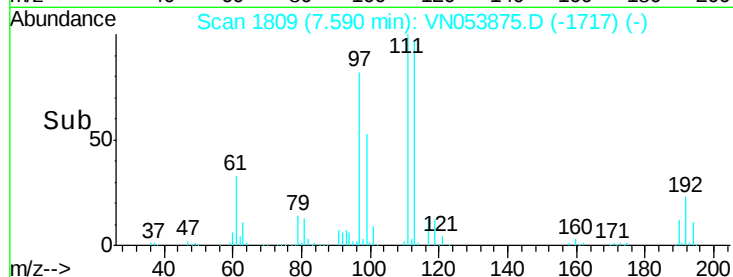
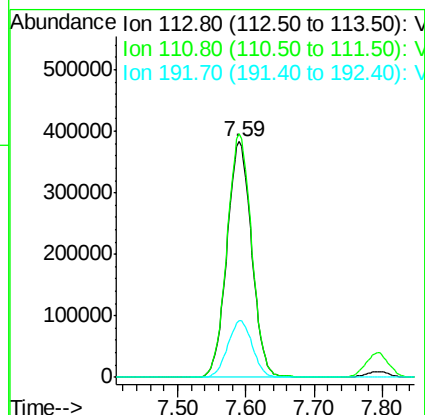
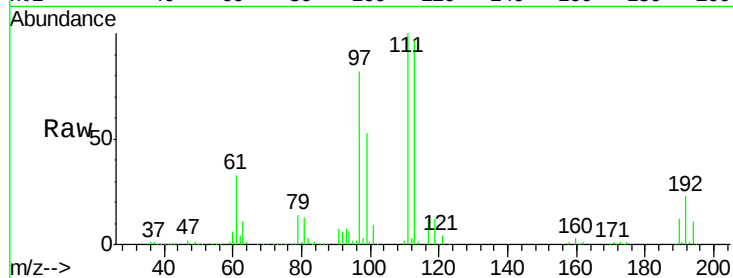
#35
 Dibromofluoromethane
 Concen: 143.565 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	962751		
111	102.9	81.1	121.7	
192	24.0	18.8	28.2	

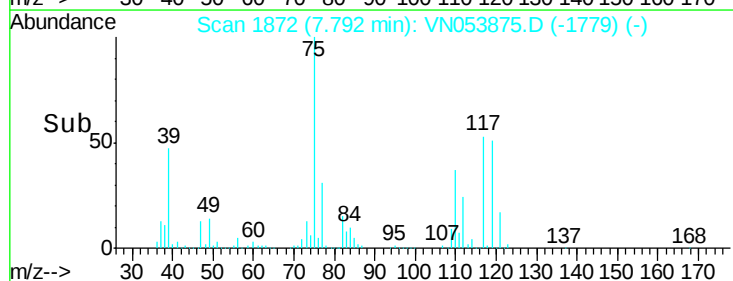
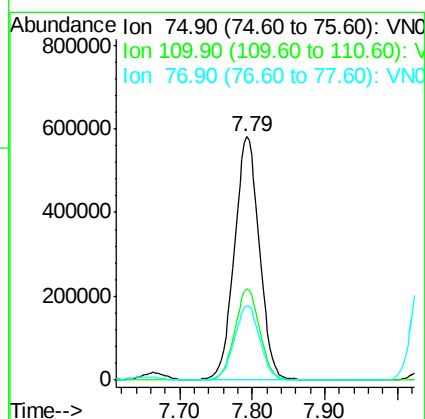
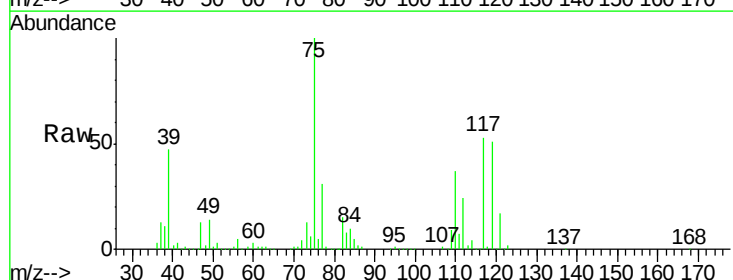
Manual Integrations
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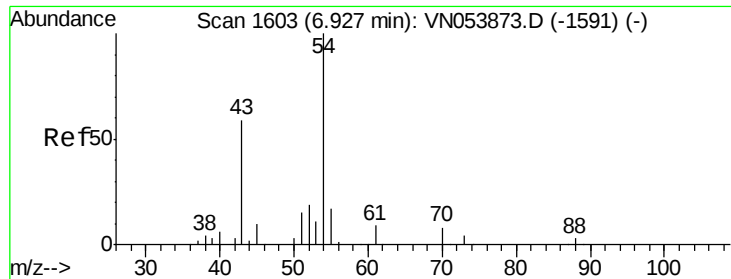
MMDadoda
 2/21/2019 10:52:10 AM



#36
 1,1-Dichloropropene
 Concen: 148.399 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1389927		
110	37.4	19.0	57.0	
77	31.2	25.4	38.0	





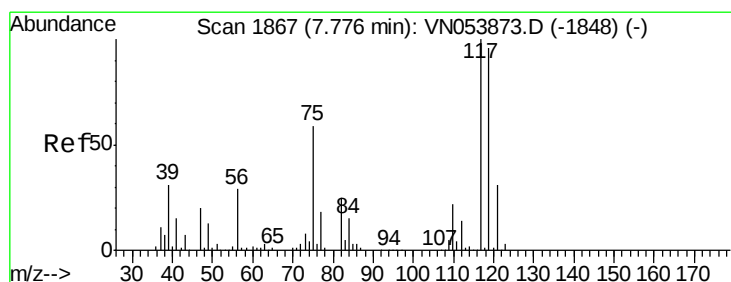
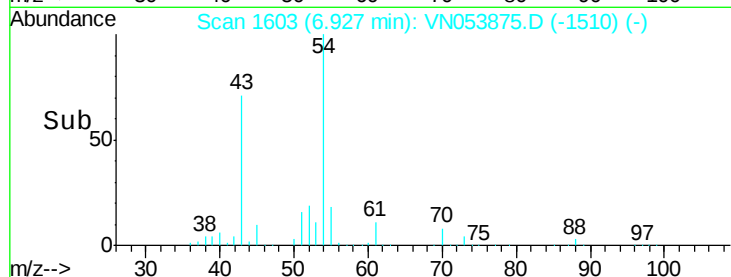
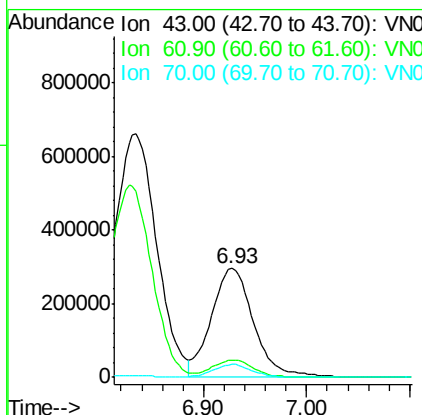
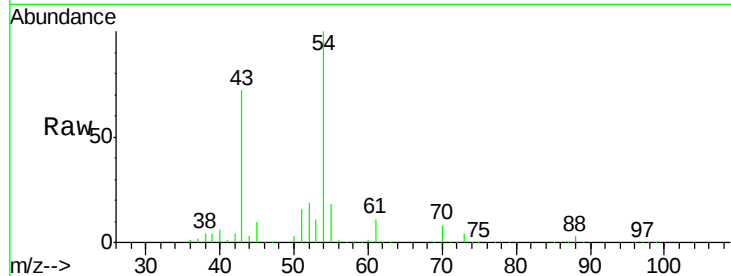
#37
Ethyl Acetate
Concen: 160.626 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.0	18.0
70	11.2	8.7	13.1

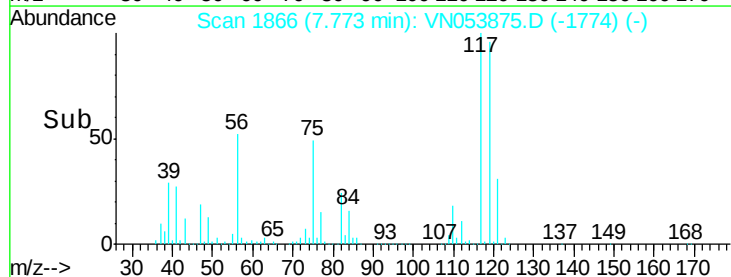
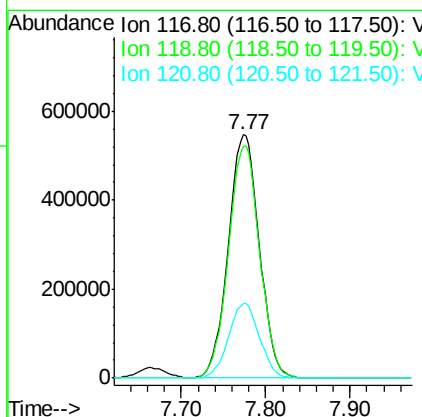
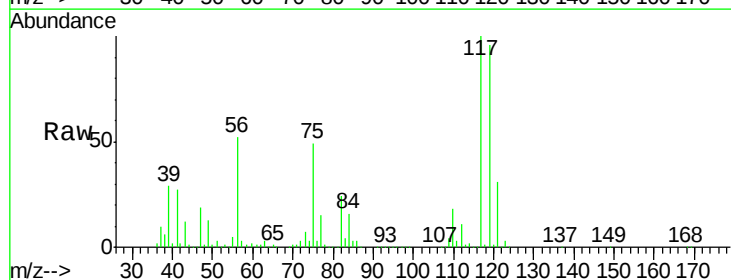
Manual Integrations
APPROVED

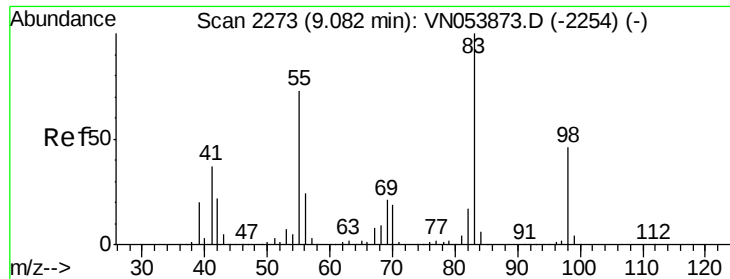
MMDadoda
2/21/2019 10:52:10 AM



#38
Carbon Tetrachloride
Concen: 139.495 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.2	114.2
121	30.7	24.6	36.8





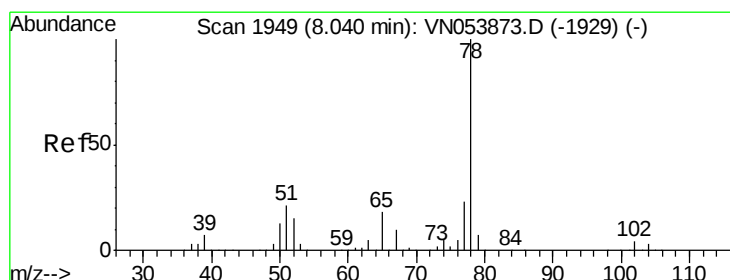
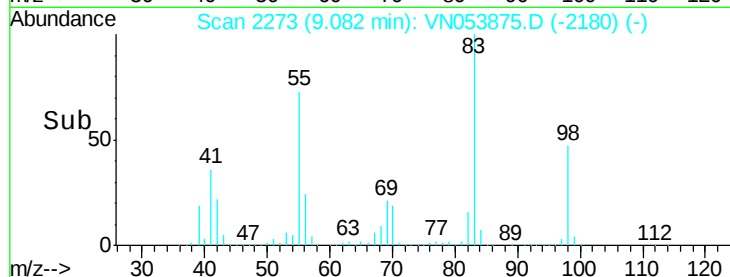
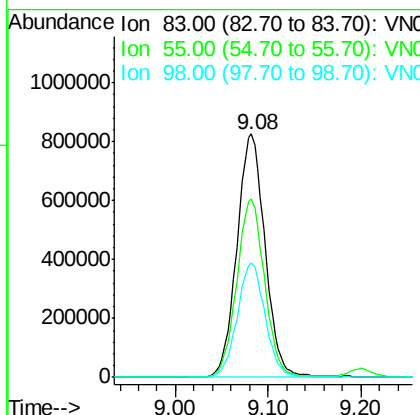
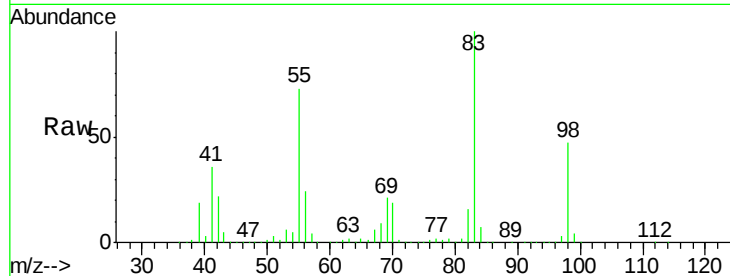
#39
Methylvlcyclohexane
Concen: 161.616 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 83 Resp: 1744250
Ion Ratio Lower Upper
83 100
55 73.3 58.2 87.4
98 47.1 37.2 55.8

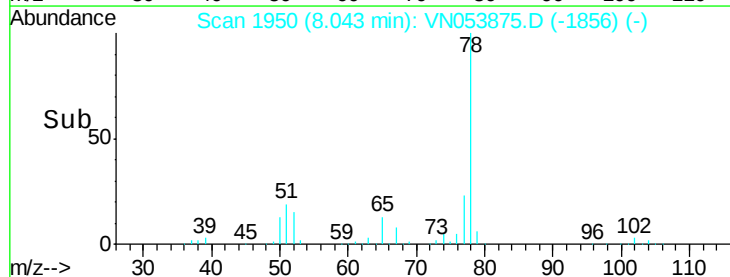
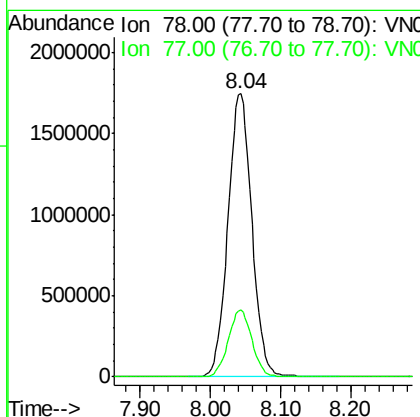
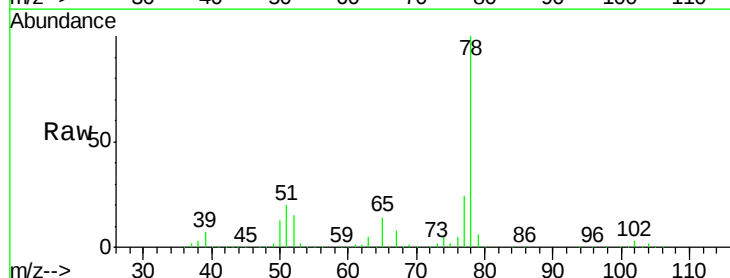
Manual Integrations
APPROVED

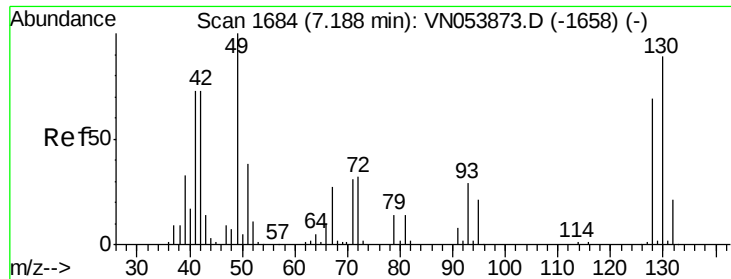
MMDadoda
2/21/2019 10:52:10 AM



#40
Benzene
Concen: 149.470 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 78 Resp: 4138686
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





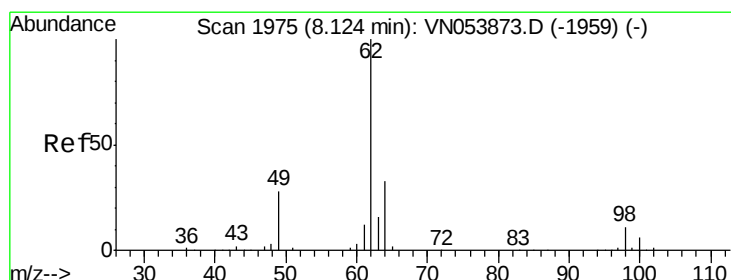
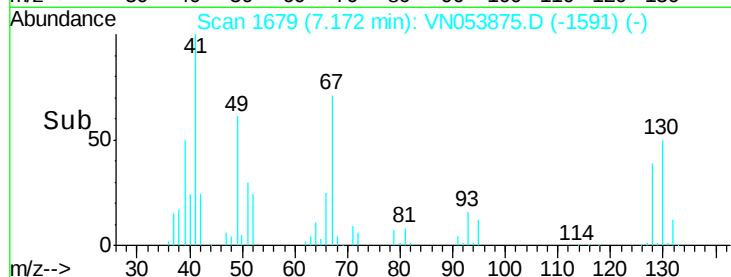
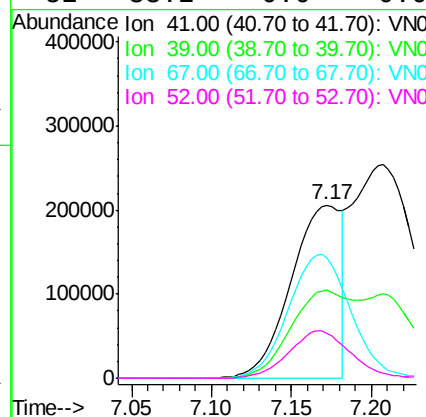
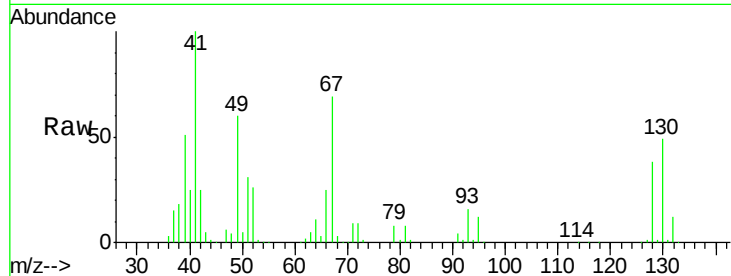
#41
Methacrylonitrile
Concen: 136.718 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.8	0.0	0.0#
67	89.1	0.0	0.0#
52	33.2	0.0	0.0#

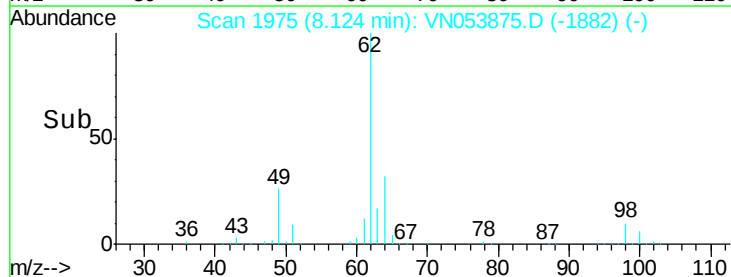
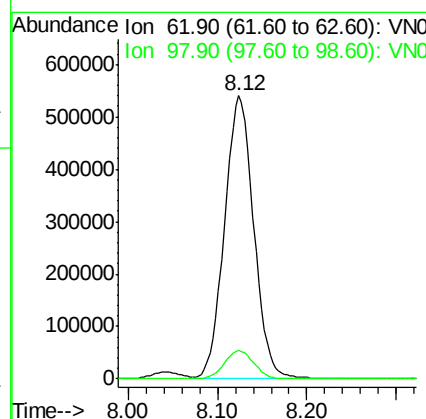
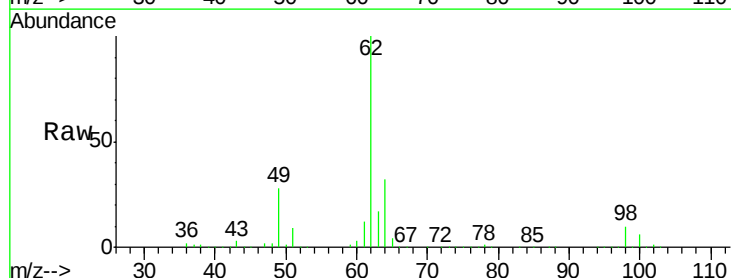
Manual Integrations
APPROVED

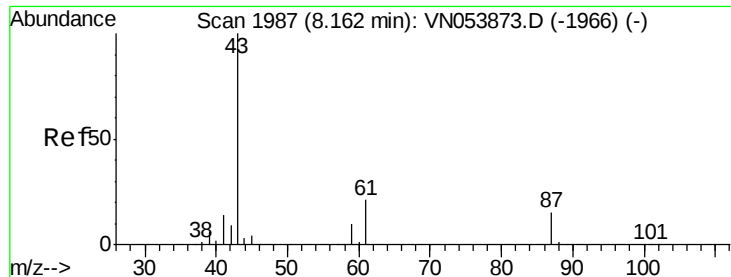
MMDadoda
2/21/2019 10:52:10 AM



#42
1,2-Dichloroethane
Concen: 147.919 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.8





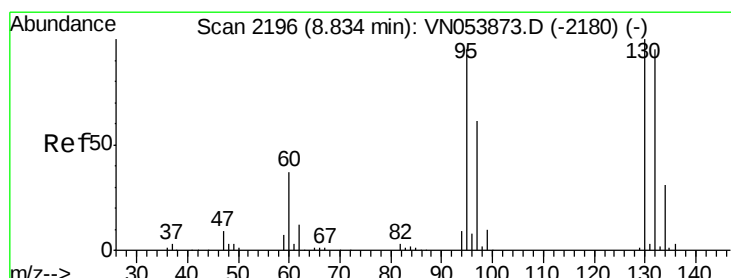
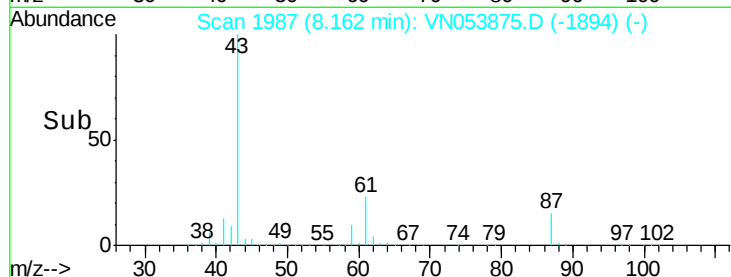
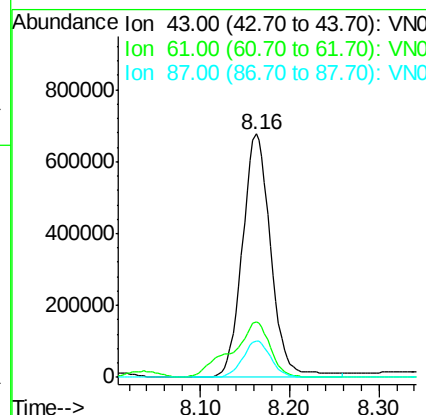
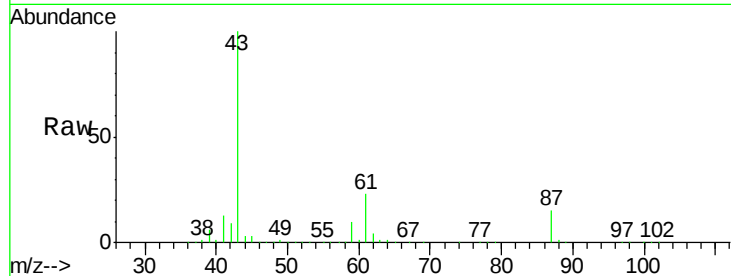
#43
Isopropyl Acetate
Concen: 150.137 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1499942
Ion Ratio Lower Upper
43 100
61 30.7 17.4 26.0#
87 14.7 11.5 17.3

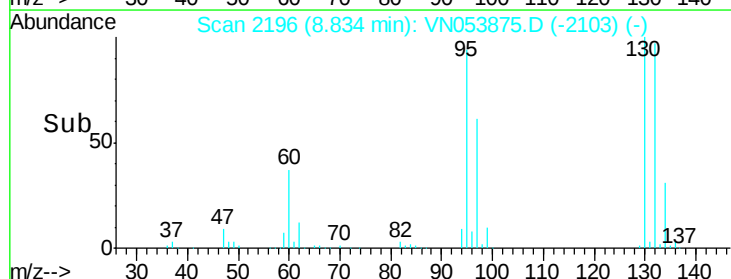
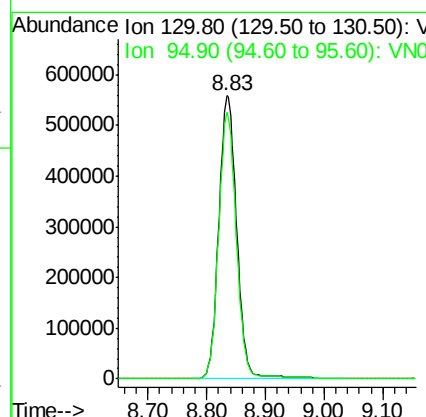
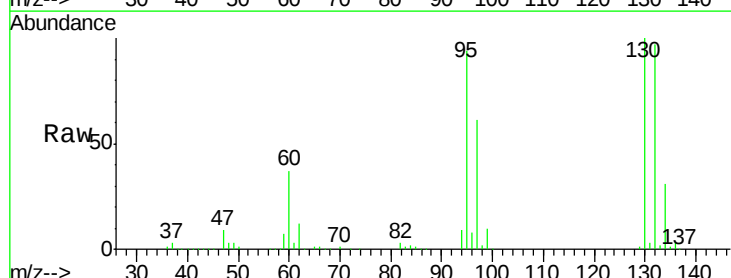
Manual Integrations
APPROVED

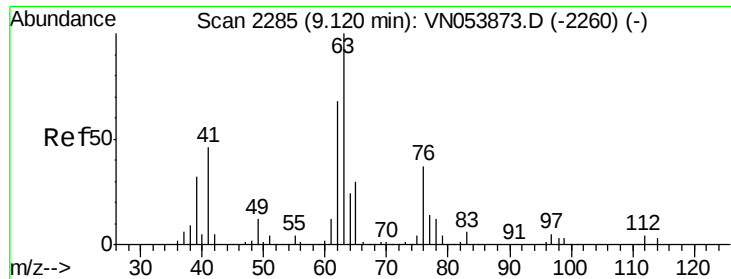
MMDadoda
2/21/2019 10:52:10 AM



#44
Trichloroethene
Concen: 152.620 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion:130 Resp: 1182989
Ion Ratio Lower Upper
130 100
95 94.1 0.0 190.0





#45

1,2-Dichloropropane

Concen: 153.201 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1082989

Ion Ratio Lower Upper

63 100

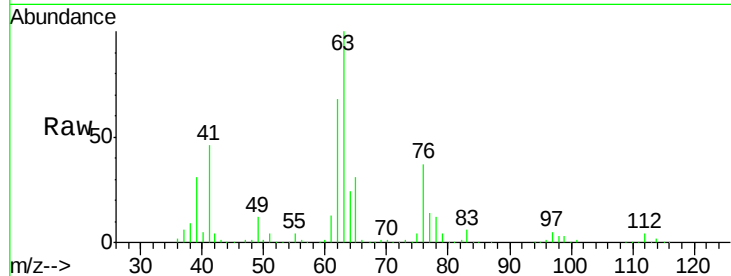
65 30.7 24.3 36.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

500000

400000

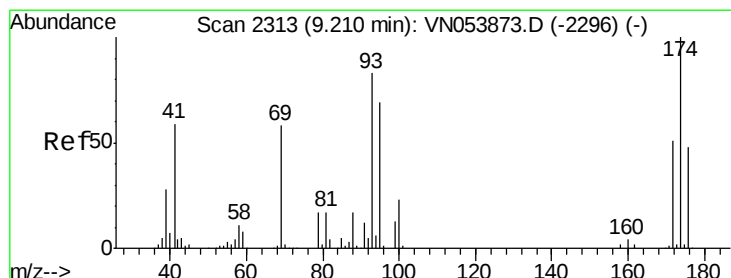
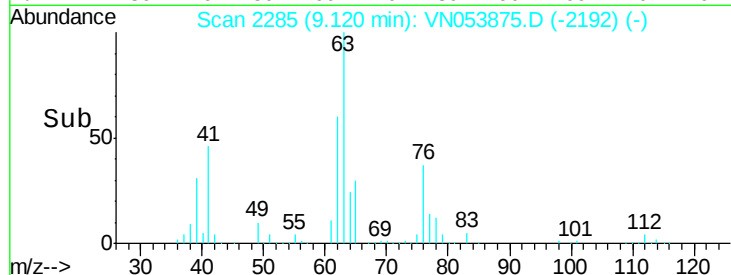
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 151.509 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

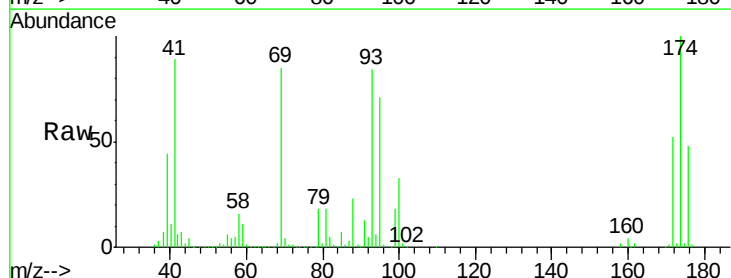
Tgt Ion: 93 Resp: 644890

Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 119.5 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

500000

400000

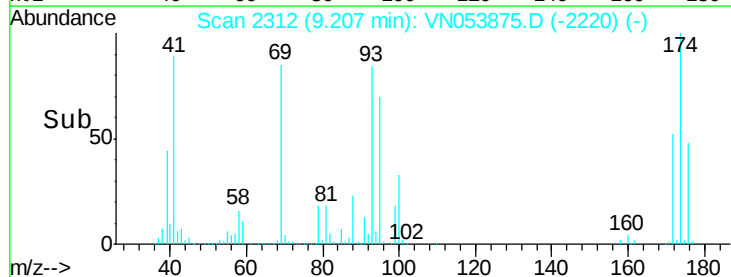
300000

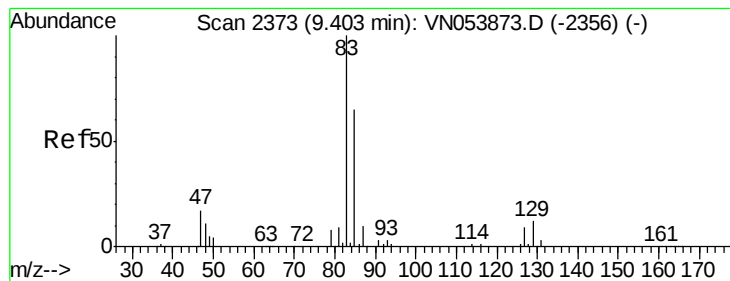
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 152.232 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1366938

Ion Ratio Lower Upper

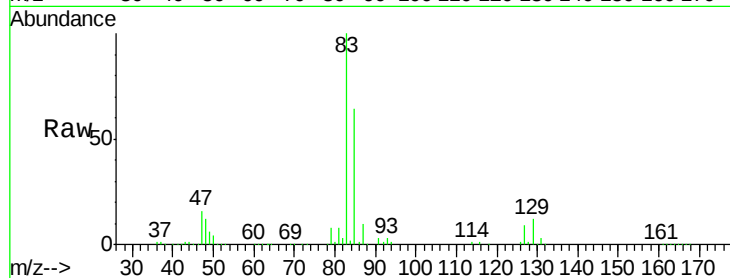
83 100

85 63.9 51.8 77.6

127 9.4 7.4 11.0

Manual Integrations
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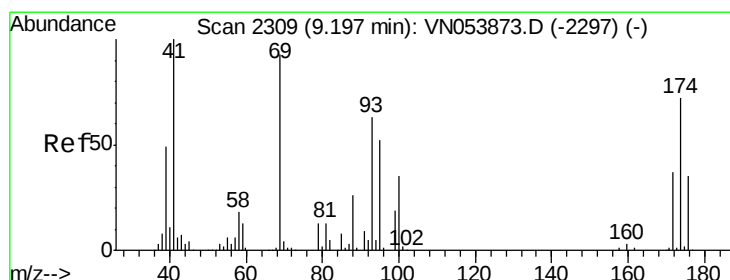
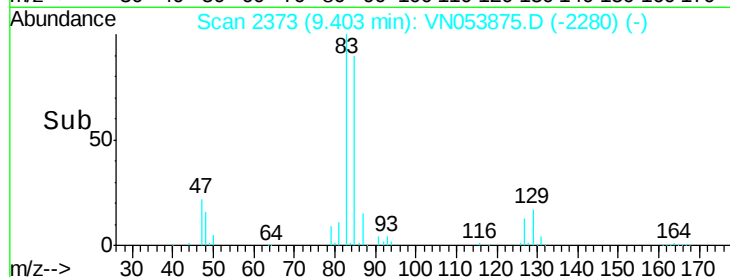
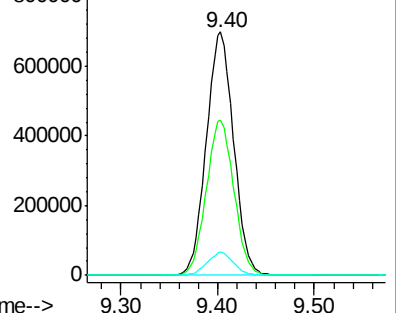
MMDadoda
2/21/2019 10:52:10 AM



Abundance Ion 82.90 (82.60 to 83.60): VN053875.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053875.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053875.D (-2280) (-)



#48

Methyl methacrylate

Concen: 162.755 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Tgt Ion: 41 Resp: 747638

Ion Ratio Lower Upper

41 100

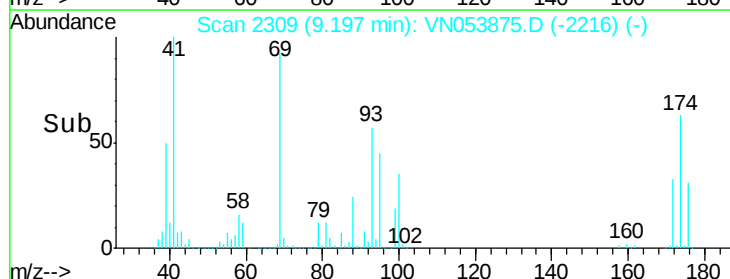
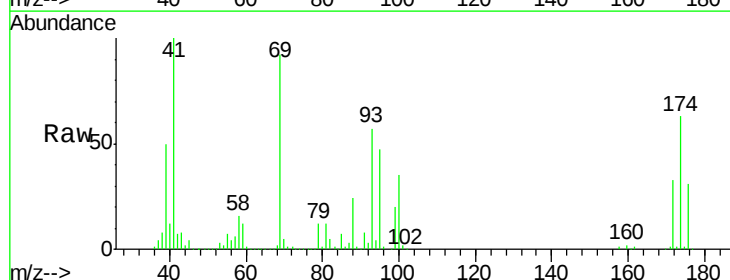
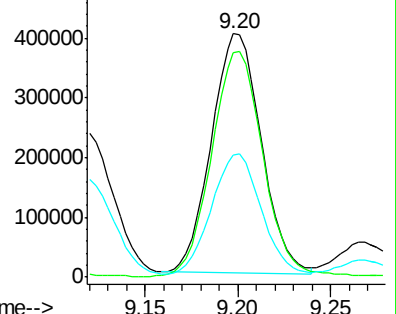
69 97.7 74.8 112.2

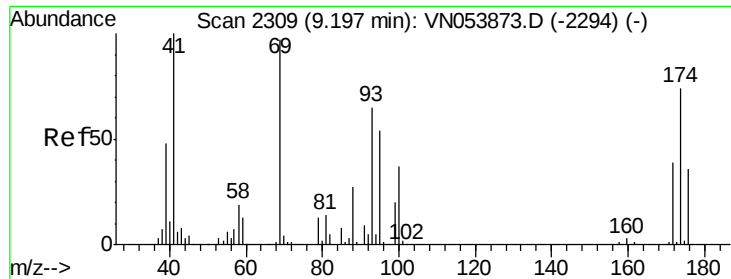
39 52.4 39.0 58.6

Abundance Ion 41.00 (40.70 to 41.70): VN053875.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053875.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053875.D (-2216) (-)





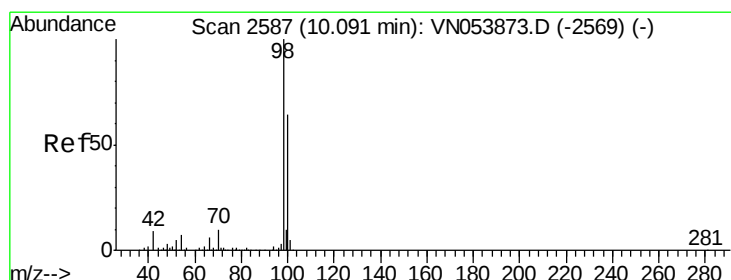
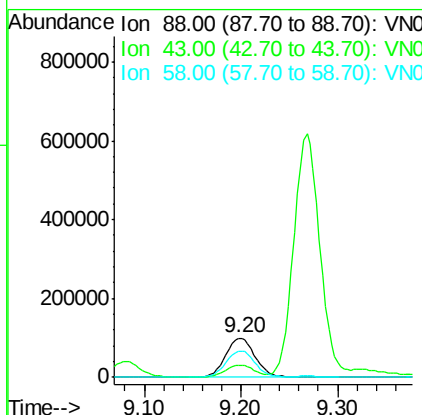
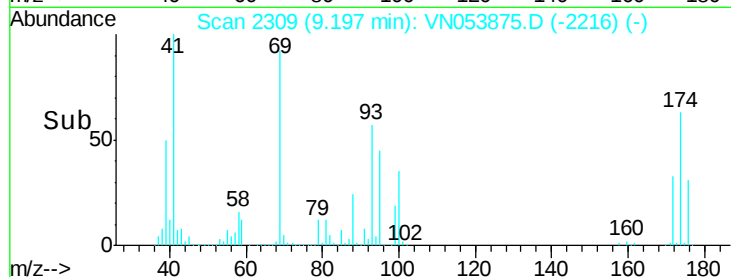
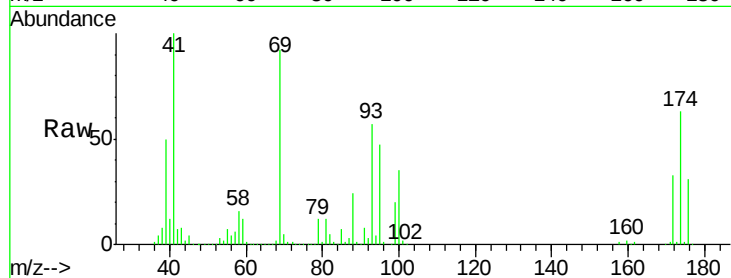
#49
1,4-Dioxane
Concen: 3348.545 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	212135		
43	29.3	21.2	31.8	
58	66.0	54.2	81.2	

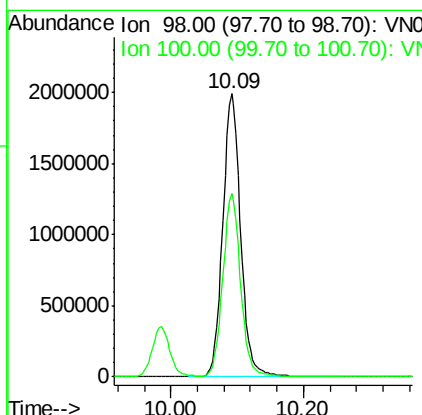
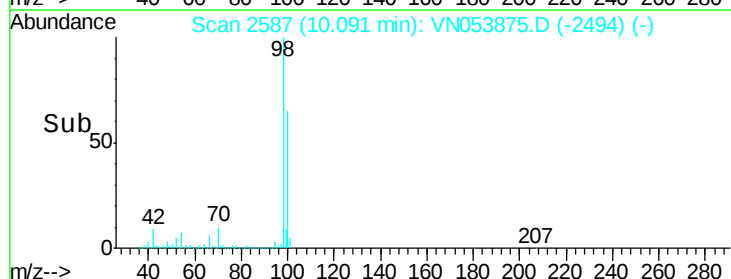
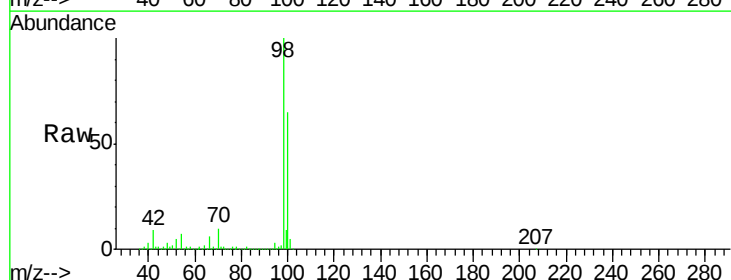
Manual Integrations
APPROVED

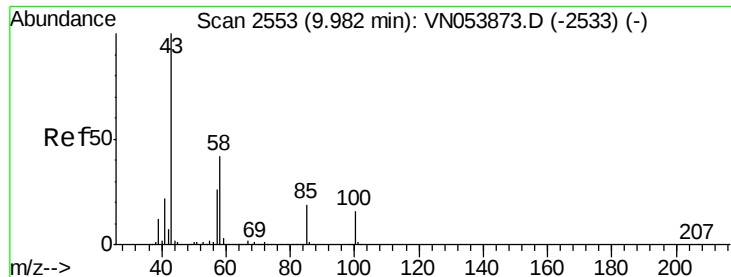
MMDadoda
2/21/2019 10:52:10 AM



#50
Toluene-d8
Concen: 153.539 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	3718790		
100	64.8	51.9	77.9	





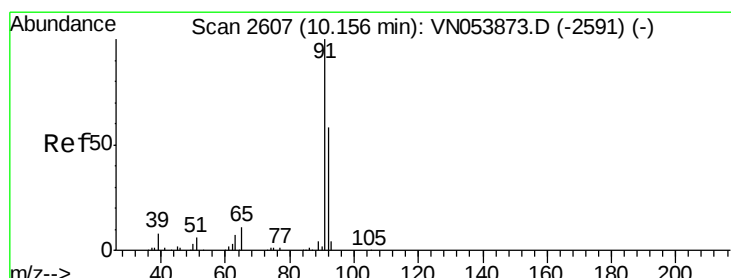
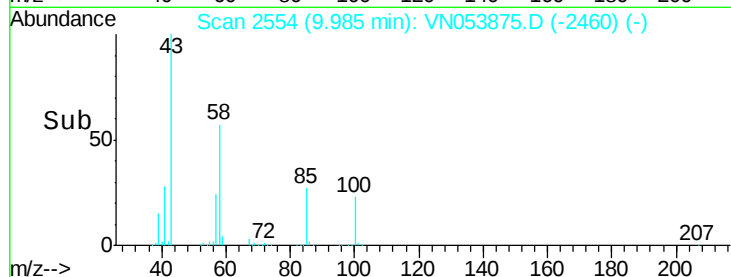
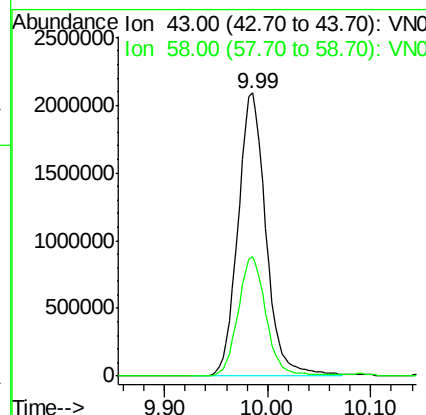
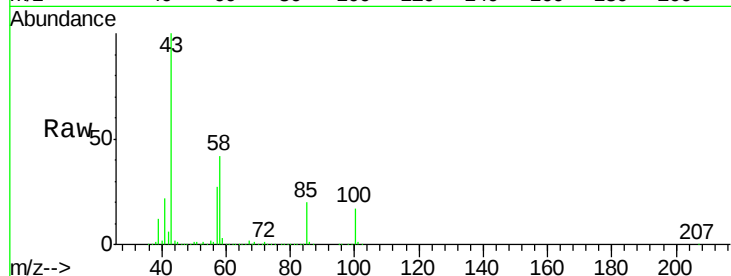
#51
4-Methyl-2-Pentanone
Concen: 852.976 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3961379
Ion Ratio Lower Upper
43 100
58 42.0 32.7 49.1

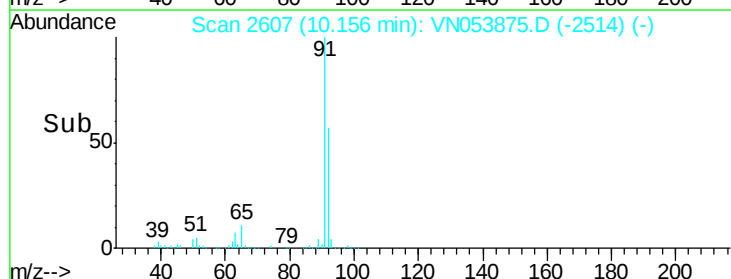
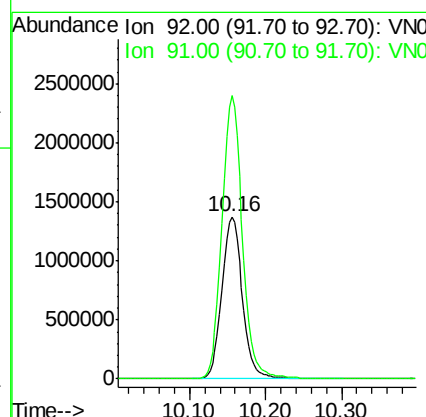
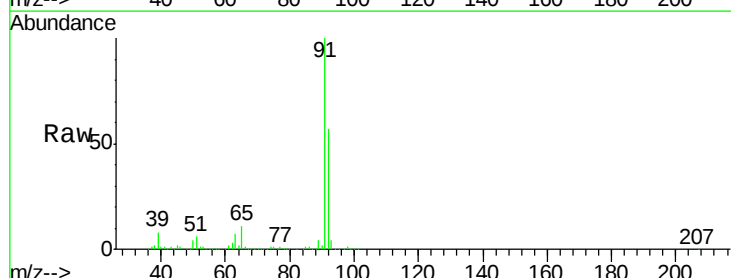
Manual Integrations
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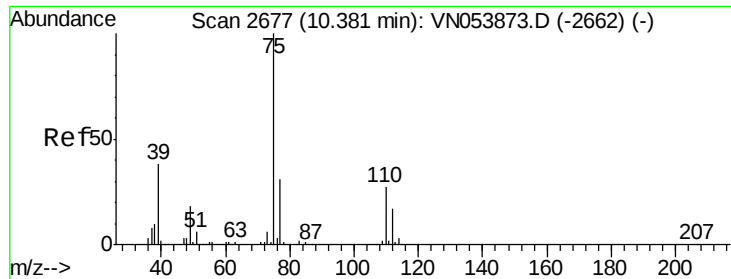
MMDadoda
2/21/2019 10:52:10 AM



#52
Toluene
Concen: 156.589 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 92 Resp: 2569414
Ion Ratio Lower Upper
92 100
91 174.2 138.4 207.6





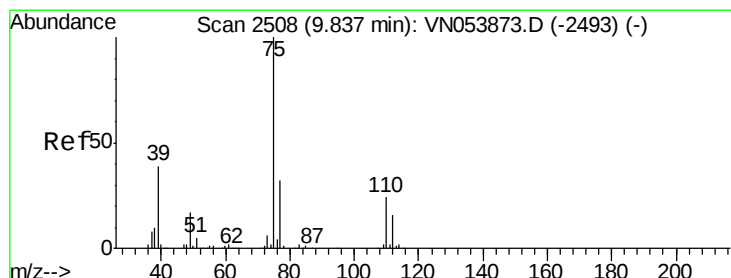
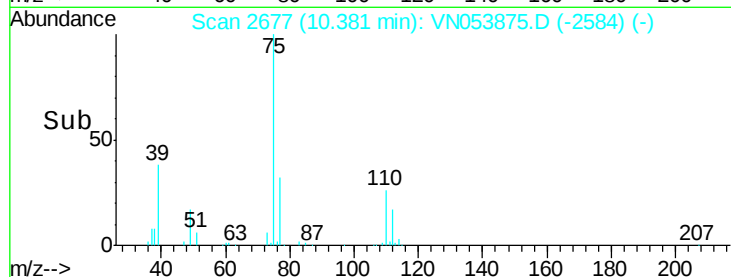
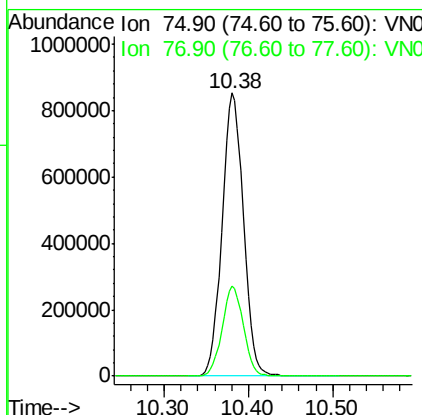
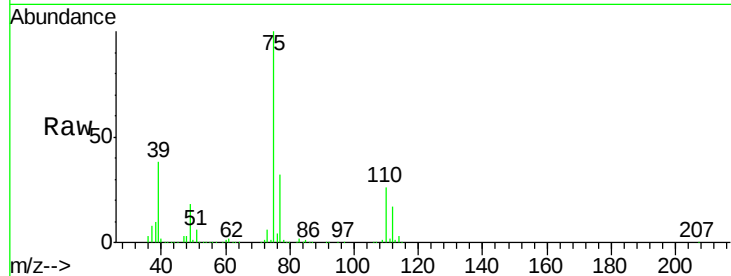
#53
t-1,3-Dichloropropene
Concen: 171.952 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1499298
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6

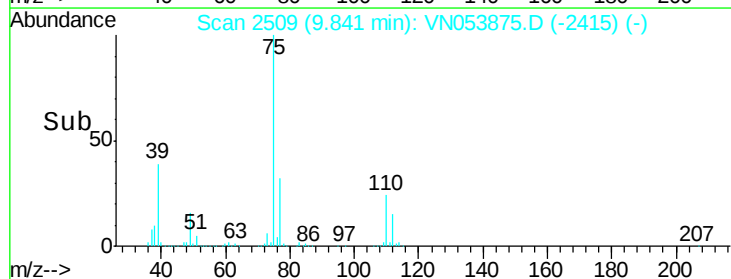
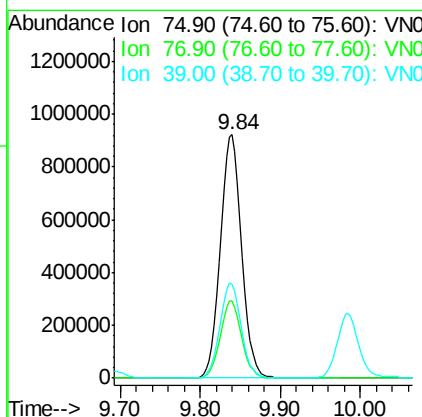
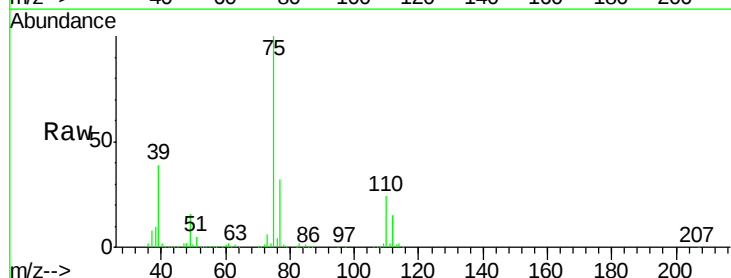
Manual Integrations
APPROVED

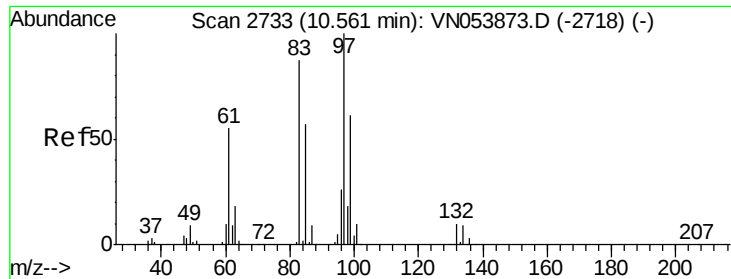
MMDadoda
2/21/2019 10:52:10 AM



#54
cis-1,3-Dichloropropene
Concen: 164.923 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 75 Resp: 1694913
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6
39 38.6 31.4 47.0





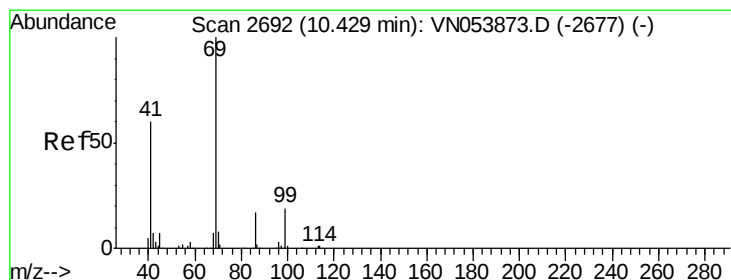
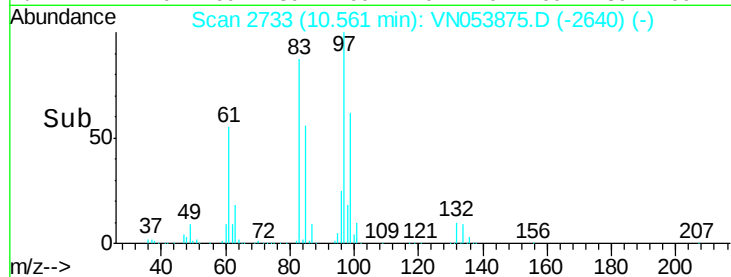
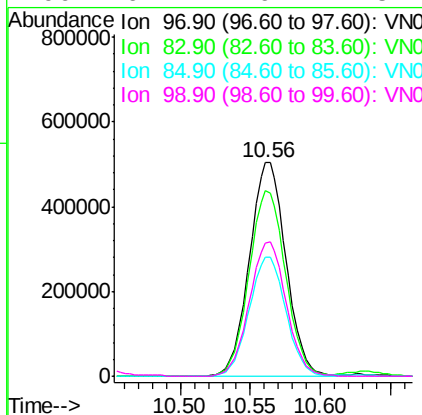
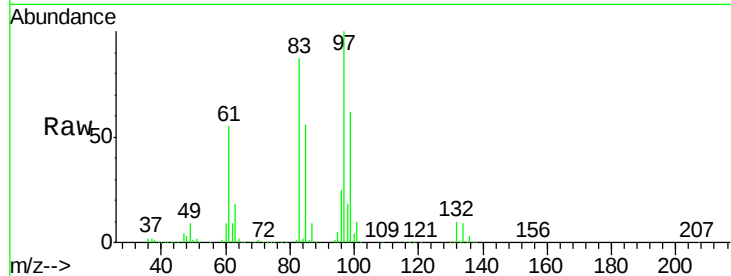
#55
 1,1,2-Trichloroethane
 Concen: 152.885 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	917054
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.5	104.3
85	55.6	45.9	68.9
99	62.2	49.1	73.7

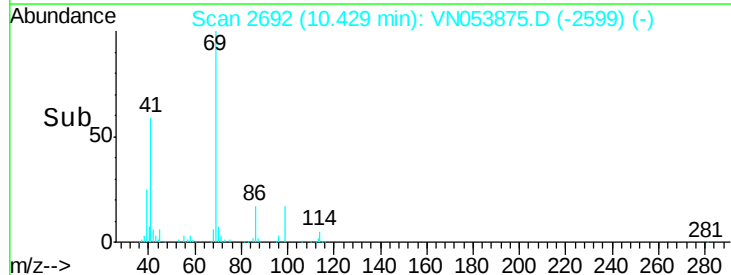
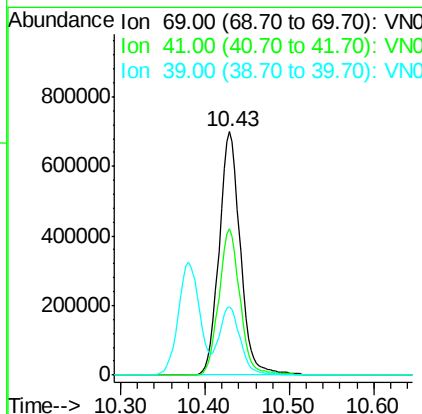
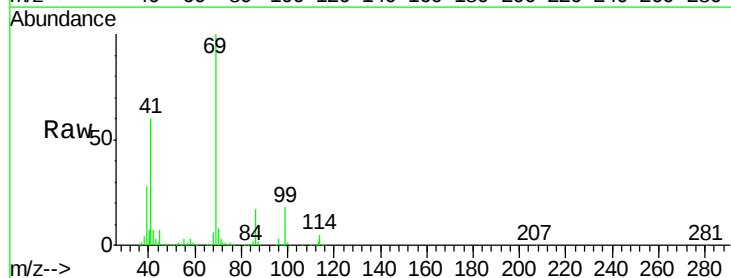
Manual Integrations
 APPROVED

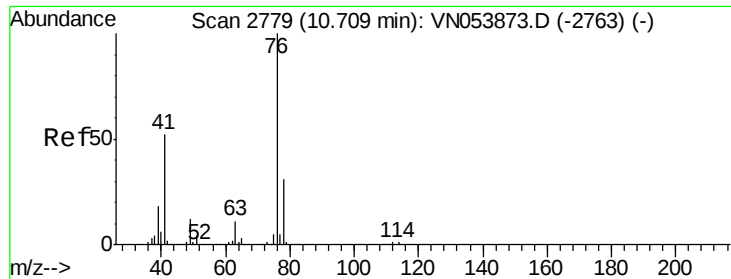
MMDadoda
 2/21/2019 10:52:10 AM



#56
 Ethyl methacrylate
 Concen: 180.973 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Tgt Ion:	69	Resp:	1222122
Ion	Ratio	Lower	Upper
69	100		
41	60.0	47.5	71.3
39	28.2	23.4	35.0





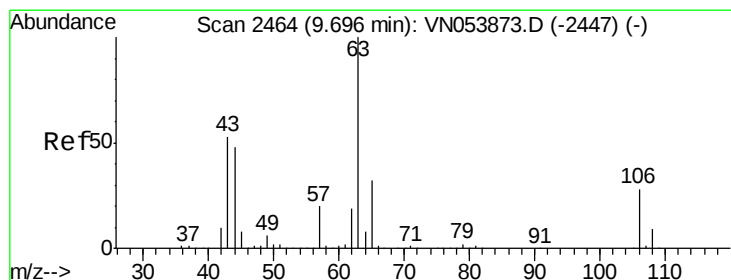
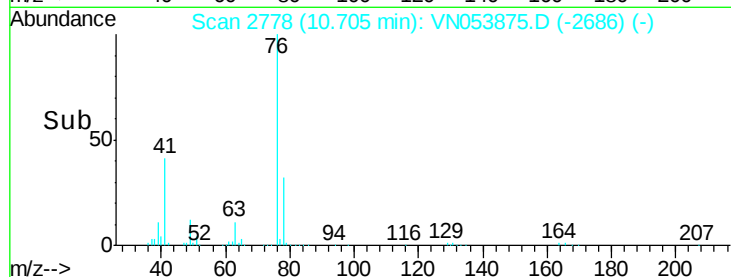
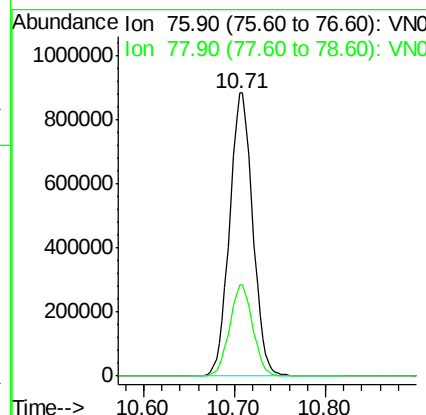
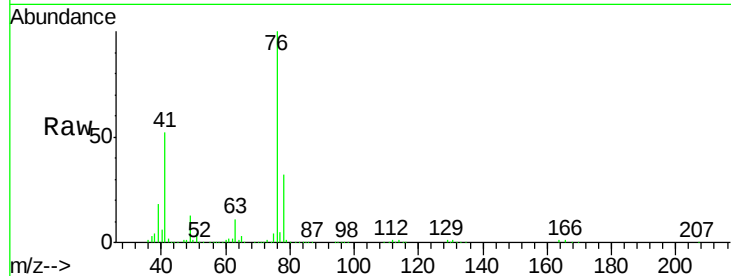
#57
 1,3-Dichloropropane
 Concen: 154.935 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1564799
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

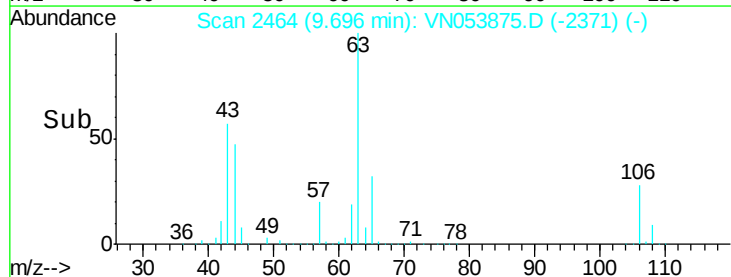
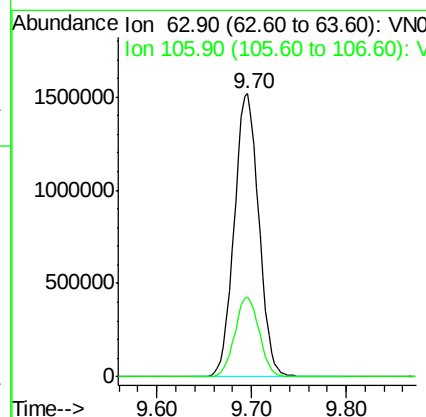
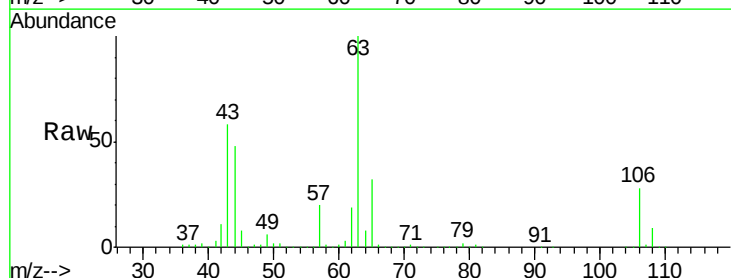
Manual Integrations
 APPROVED

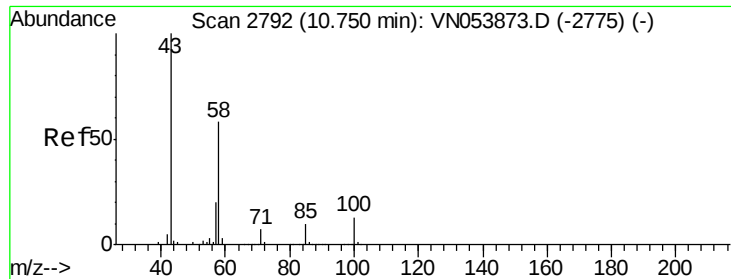
MMDadoda
 2/21/2019 10:52:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 926.250 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Tgt Ion: 63 Resp: 2740336
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.2 33.2





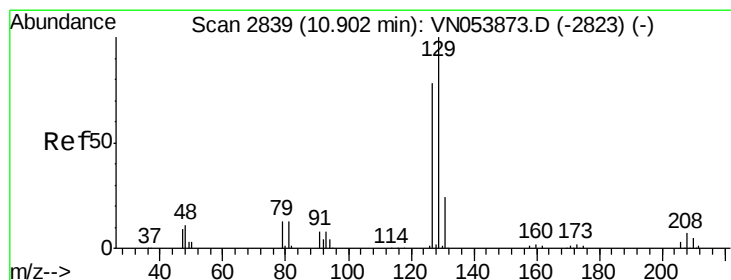
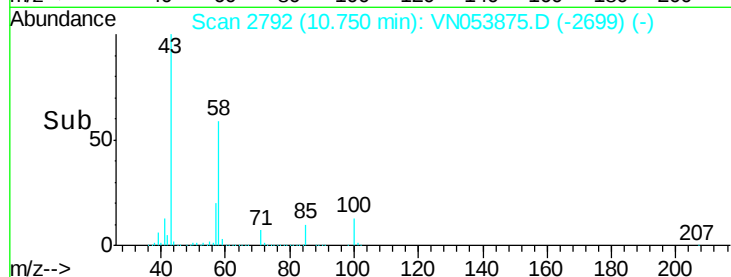
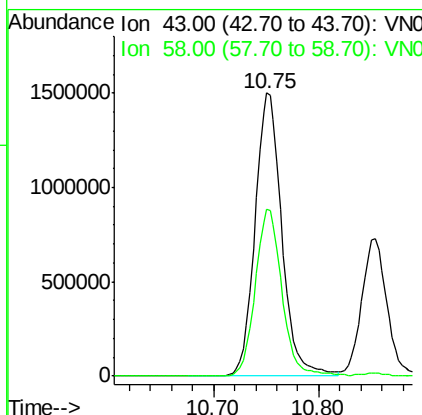
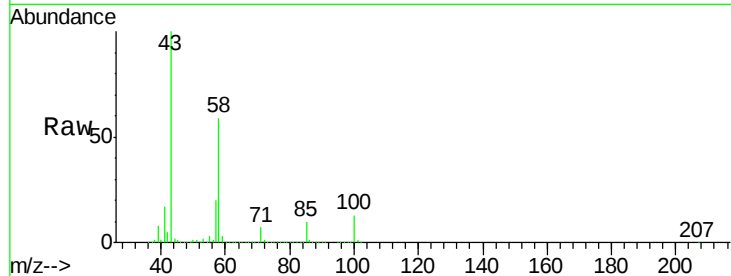
#59
2-Hexanone
Concen: 846.422 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2653023
Ion Ratio Lower Upper
43 100
58 58.8 29.1 87.4

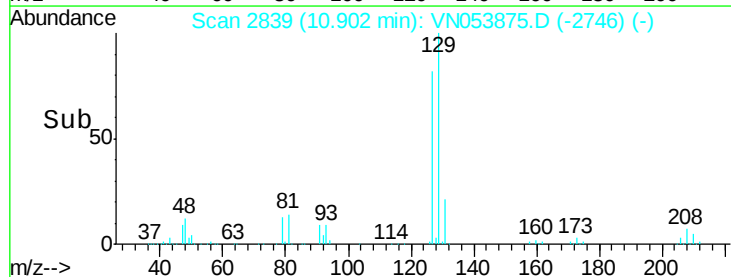
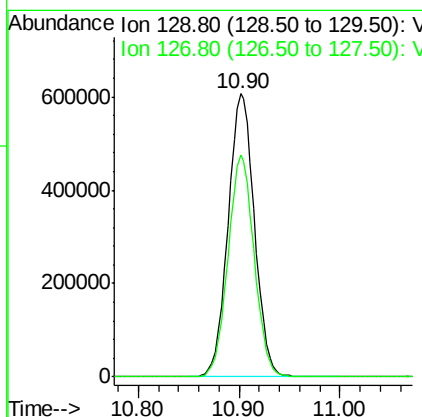
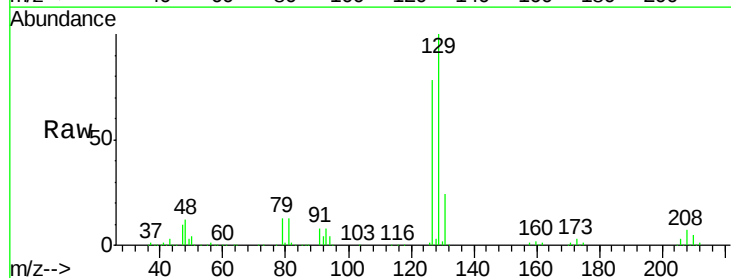
Manual Integrations
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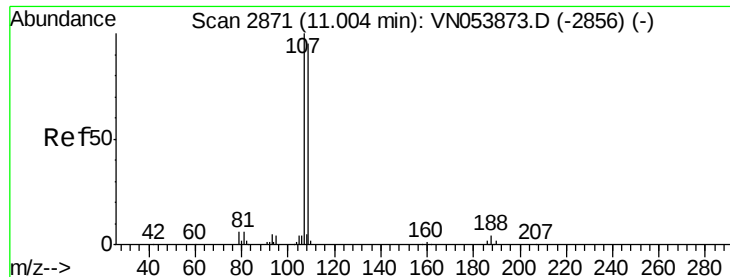
MMDadoda
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#60
Dibromochloromethane
Concen: 157.702 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 129 Resp: 1104162
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3





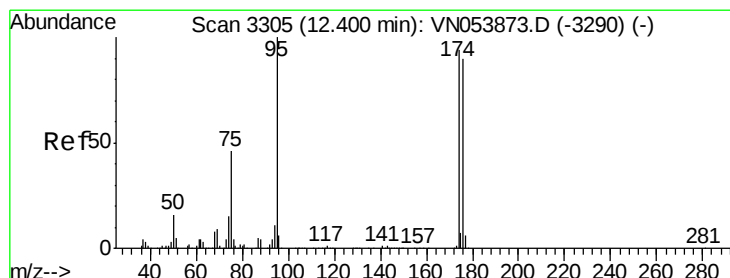
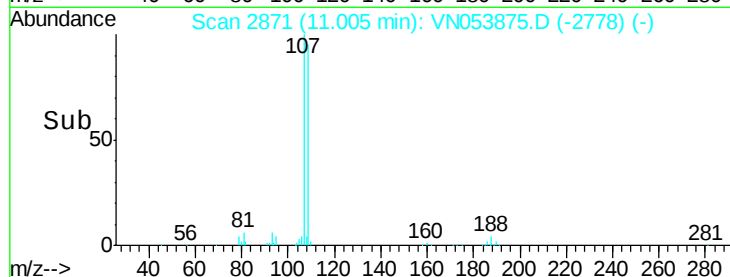
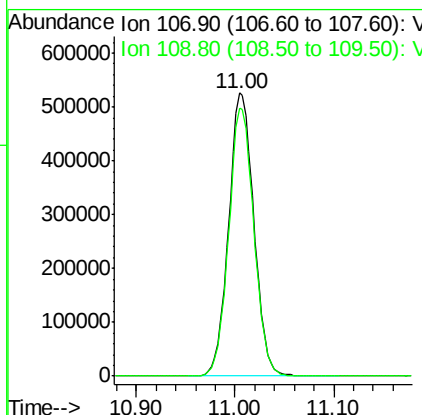
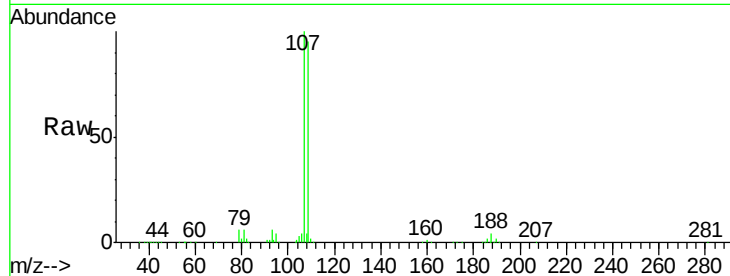
#61
 1,2-Dibromoethane
 Concen: 157.446 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.3	114.5

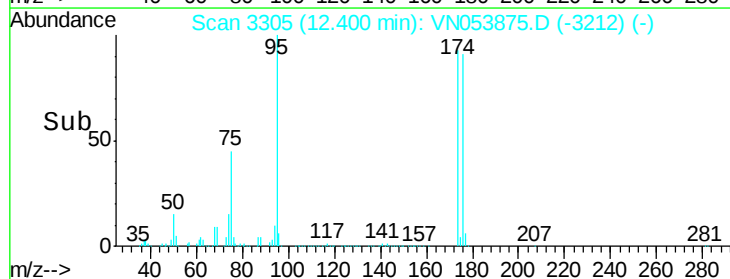
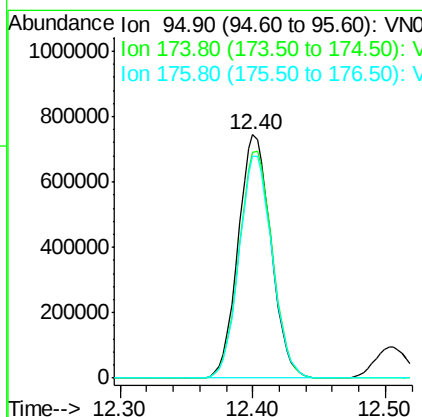
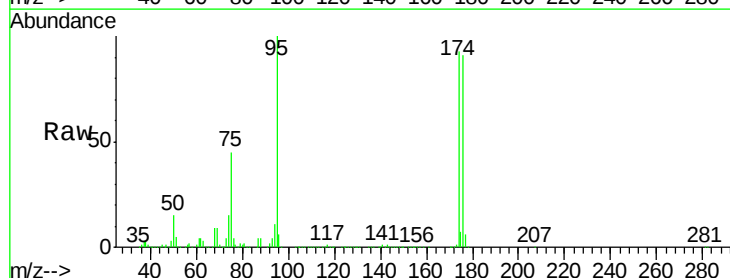
Manual Integrations
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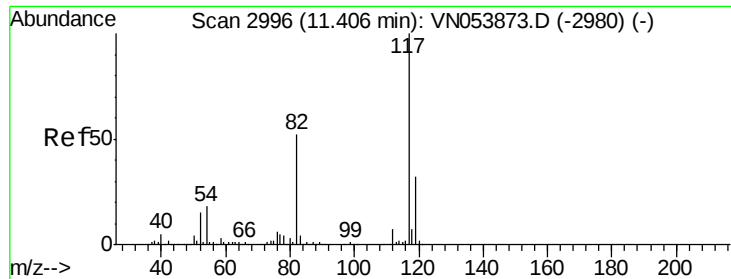
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 159.941 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	188.8
176	91.8	0.0	182.6





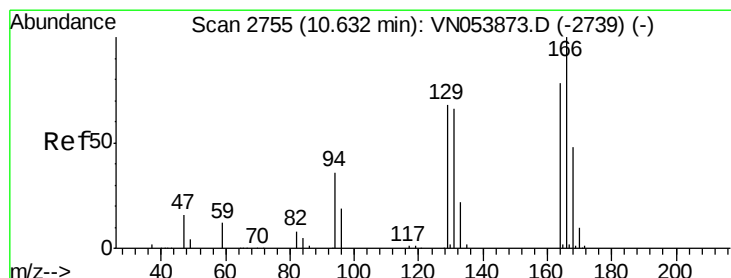
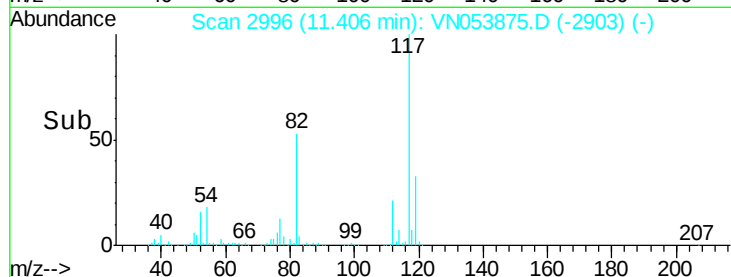
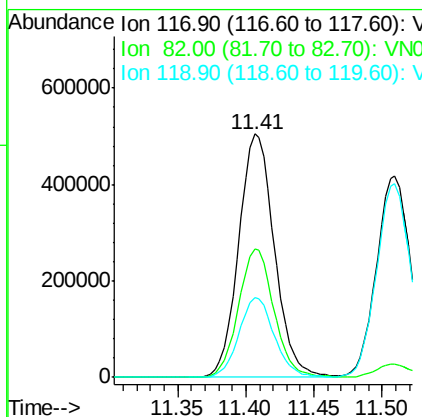
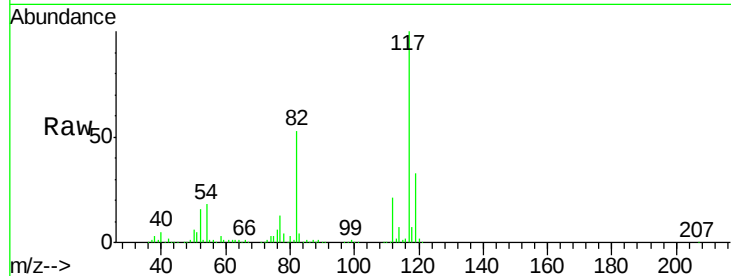
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	918674		
82	52.8		41.4	62.2
119	32.7		25.3	37.9

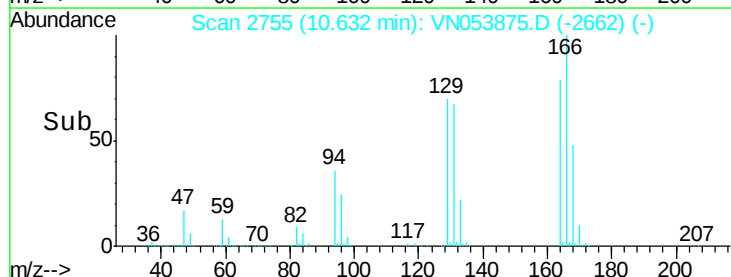
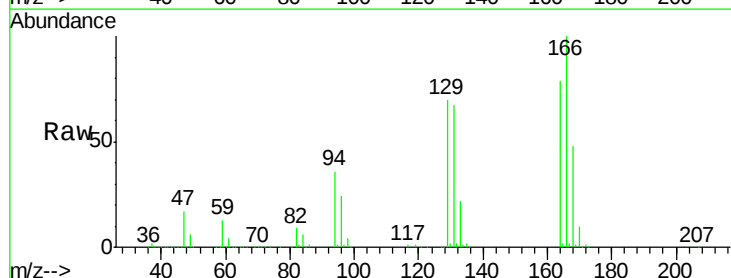
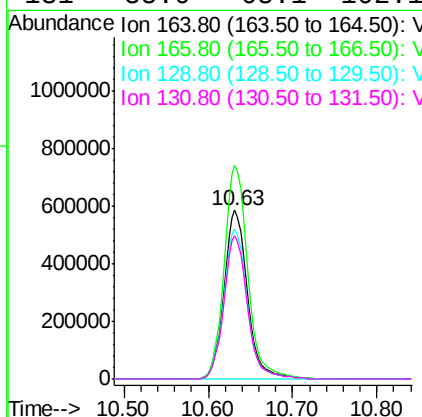
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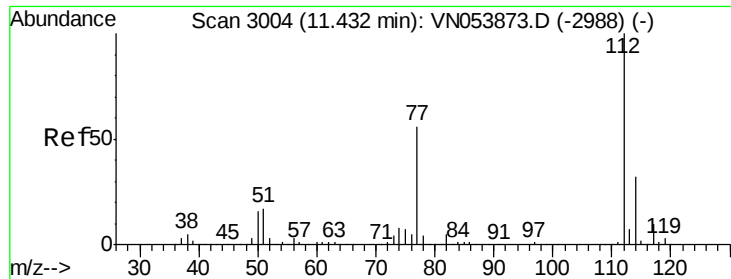
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#64
Tetrachloroethene
Concen: 137.174 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1126863		
166	126.8		102.6	153.8
129	88.9		69.4	104.0
131	85.0		68.1	102.1





#65

Chlorobenzene

Concen: 150.444 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 2892882

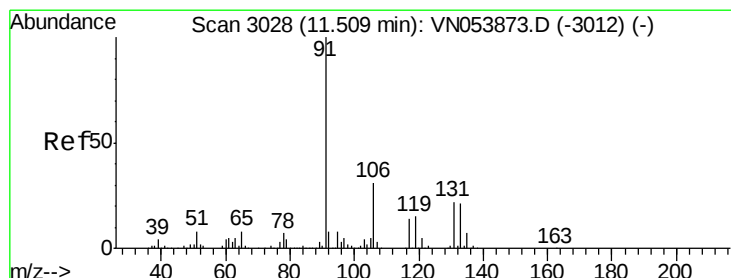
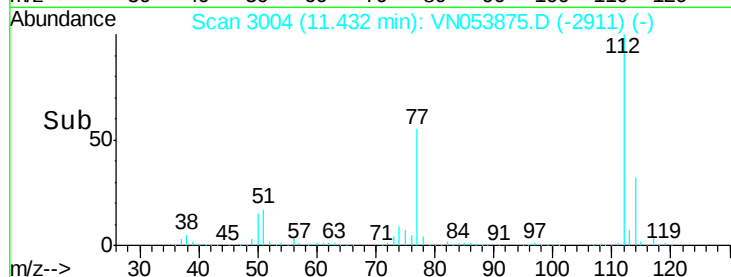
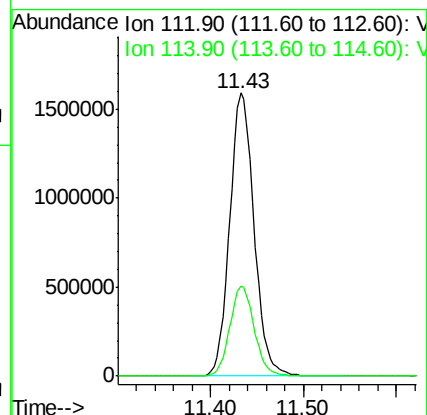
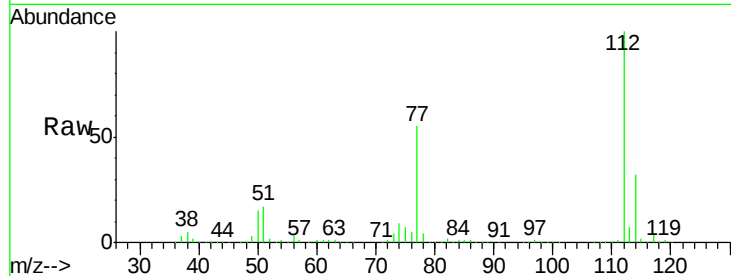
Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 151.510 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

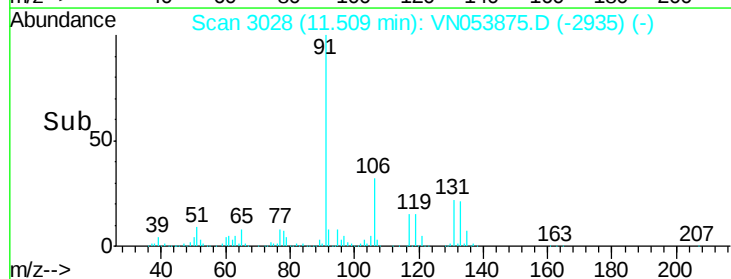
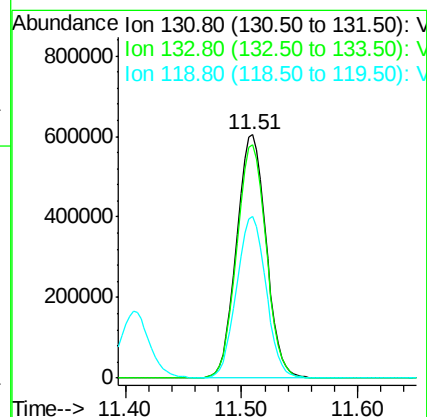
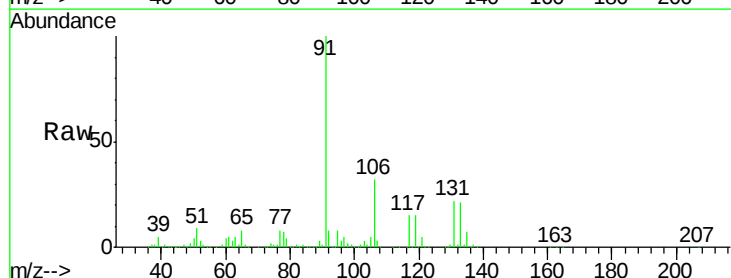
Tgt Ion:131 Resp: 1063149

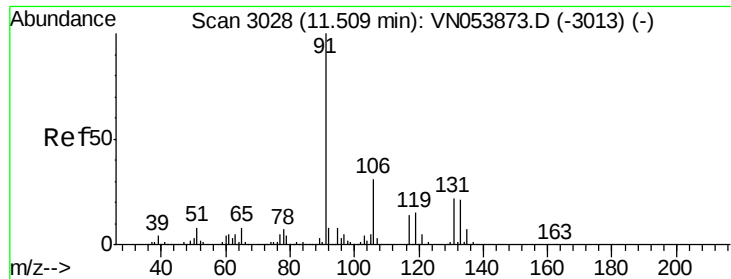
Ion Ratio Lower Upper

131 100

133 95.7 47.7 143.1

119 66.3 33.1 99.3





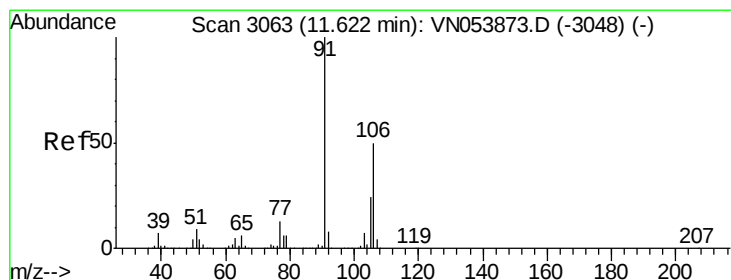
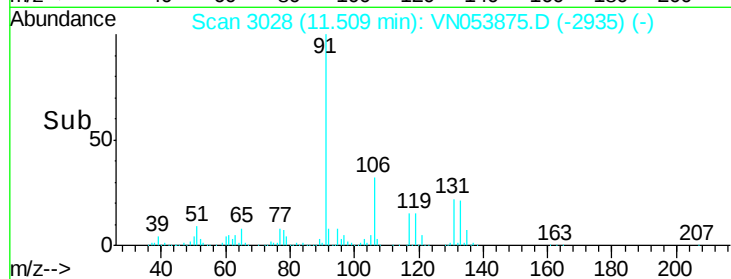
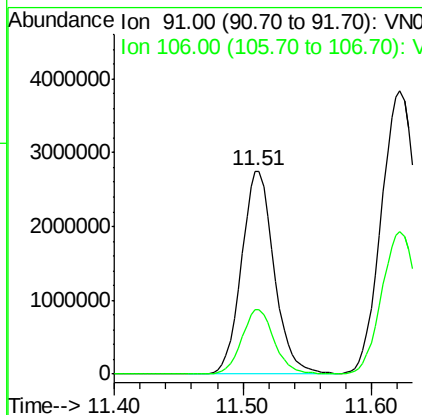
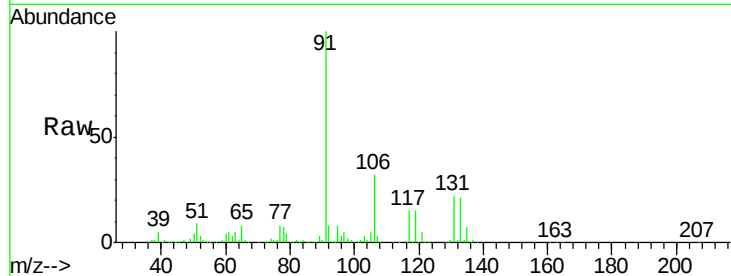
#67
Ethyl Benzene
Concen: 155.371 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 4835144
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8

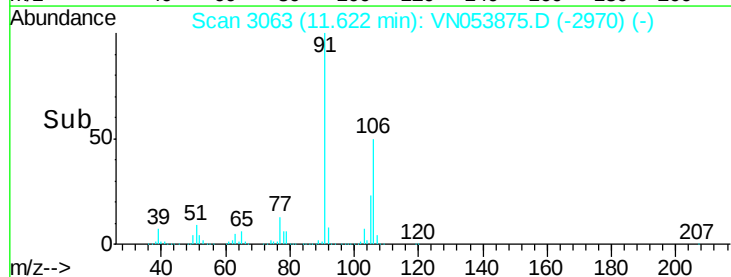
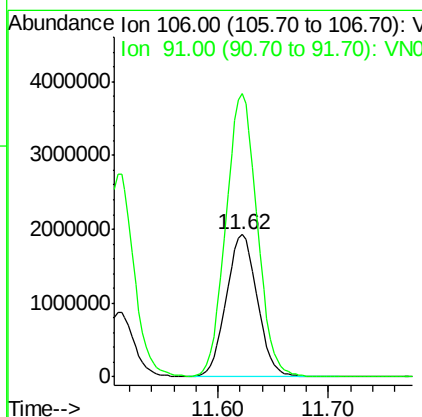
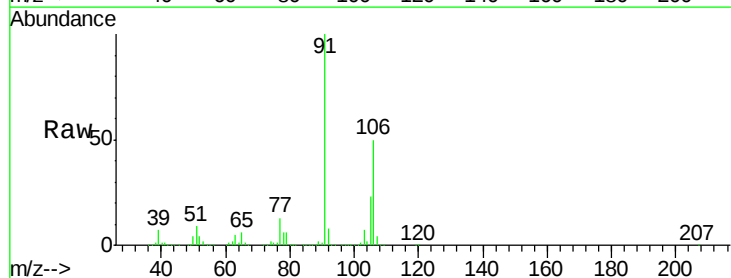
Manual Integrations
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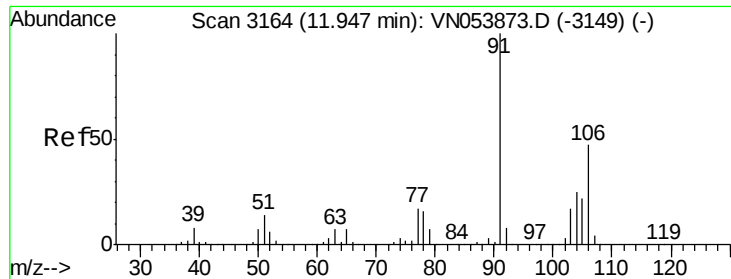
MMDadoda
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#68
m/p-Xylenes
Concen: 313.101 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 106 Resp: 3772754
Ion Ratio Lower Upper
106 100
91 199.9 158.9 238.3





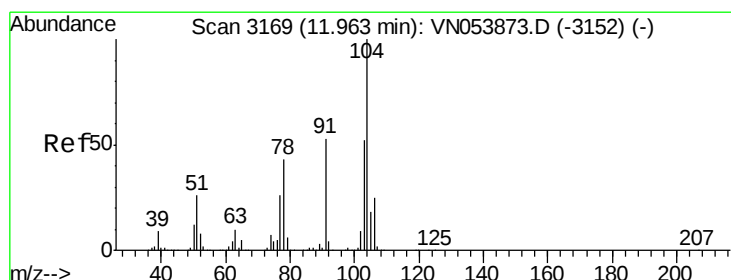
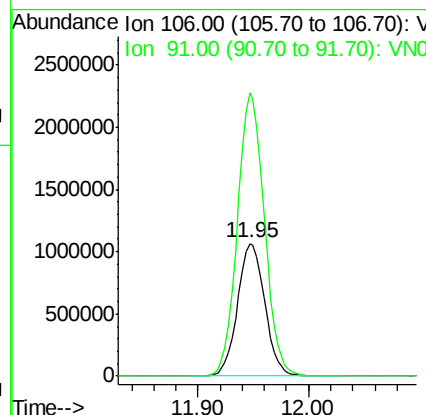
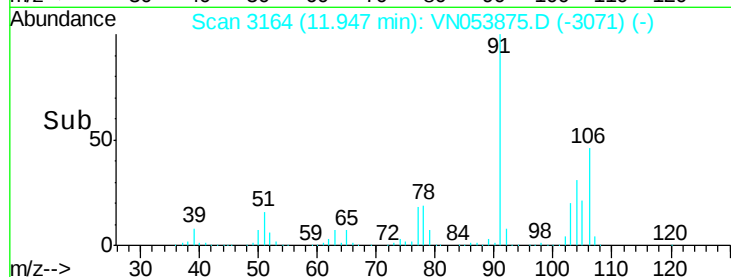
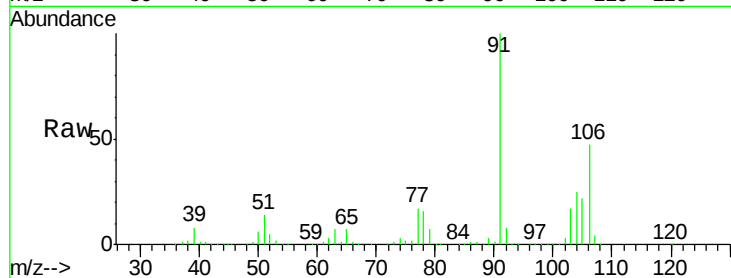
#69
o-Xylene
Concen: 157.256 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1824219
Ion Ratio Lower Upper
106 100
91 211.7 106.0 318.0

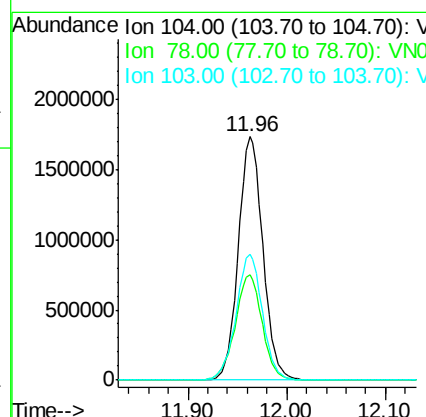
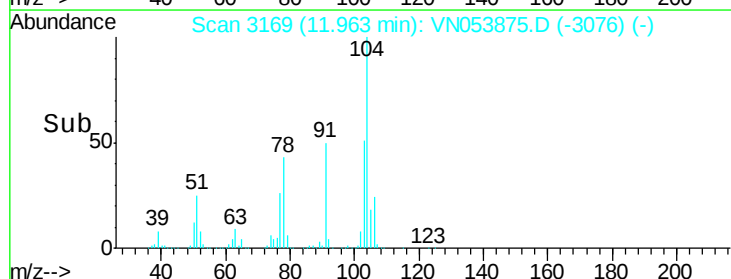
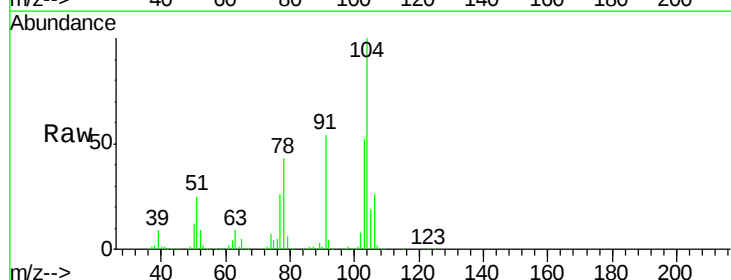
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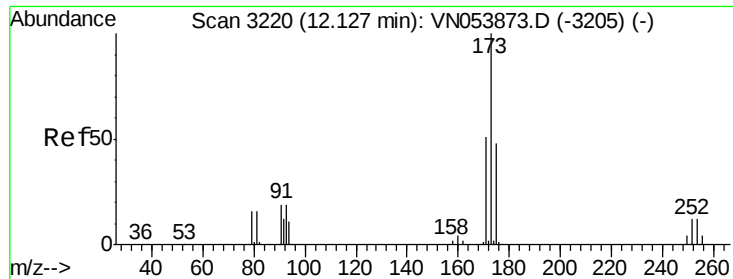
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#70
Styrene
Concen: 164.701 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion:104 Resp: 2998158
Ion Ratio Lower Upper
104 100
78 47.4 38.1 57.1
103 55.5 44.6 67.0





#71

Bromoform

Concen: 163.608 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

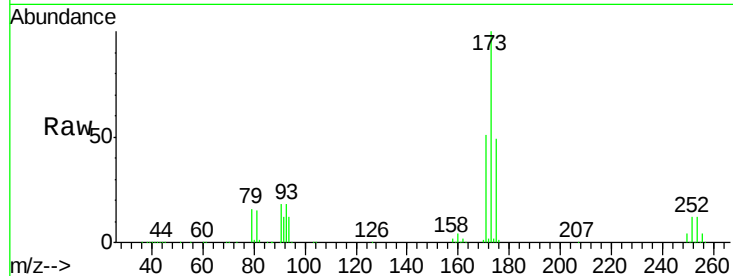
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.2	0.2

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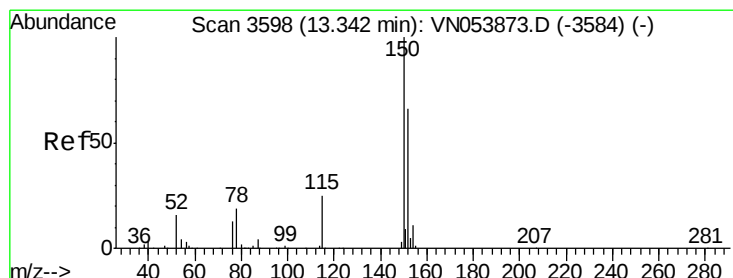
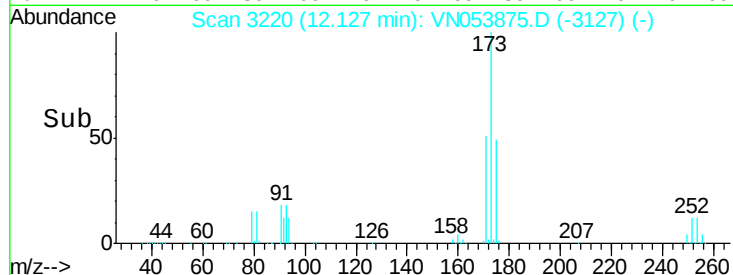
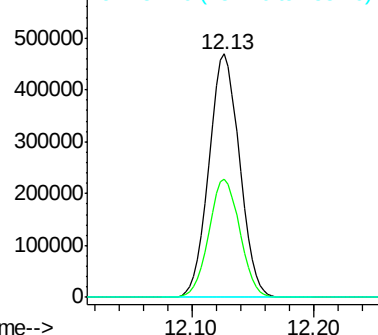


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

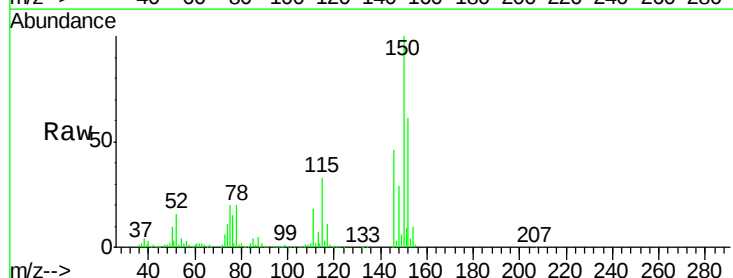
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.2	81.6
150	207.7	0.0	348.2

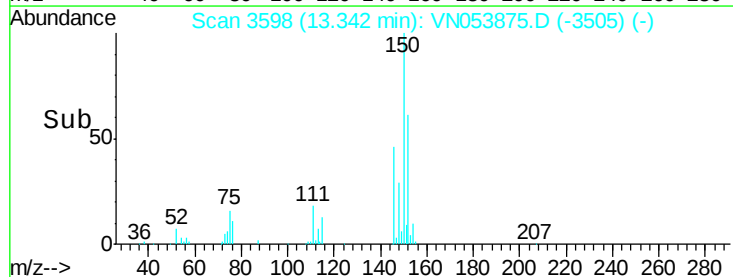
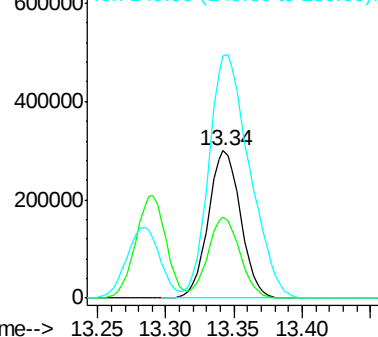


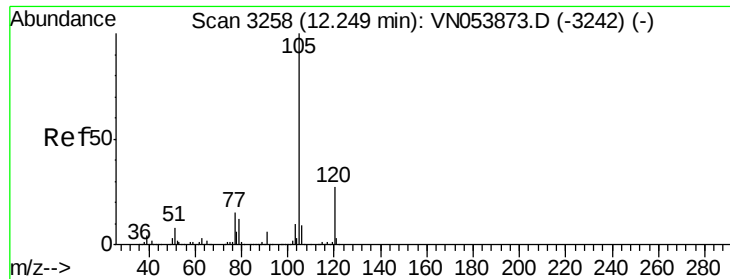
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 135.210 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4689999

Ion Ratio Lower Upper

105 100

120 27.4

13.5

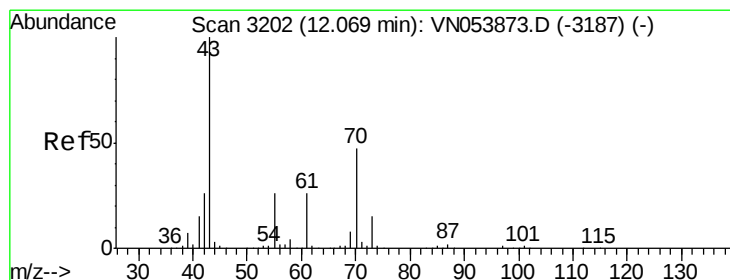
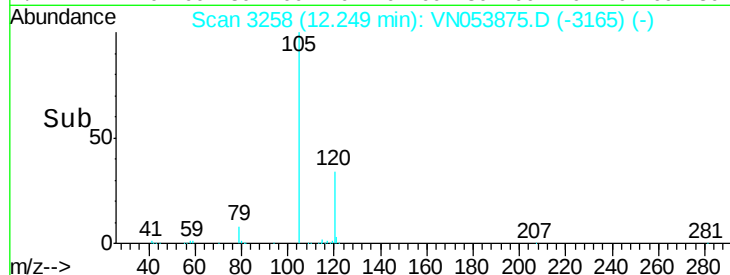
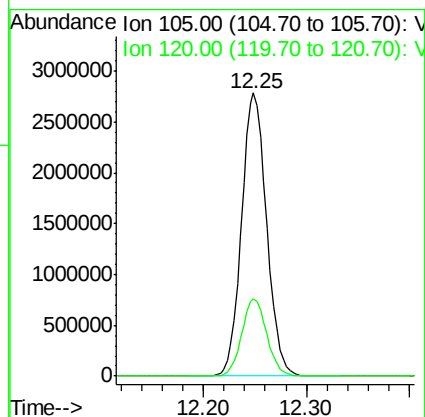
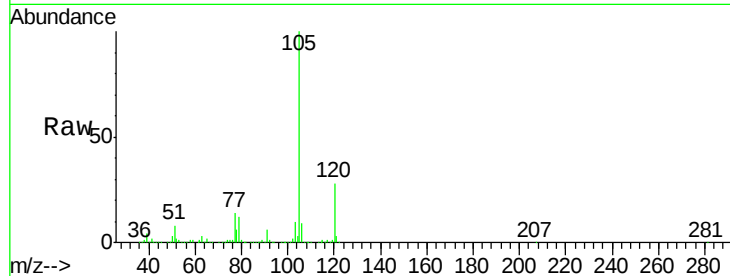
40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 157.474 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Tgt Ion: 43 Resp: 1254356

Ion Ratio Lower Upper

43 100

70 46.3

37.4

56.2

55 25.6

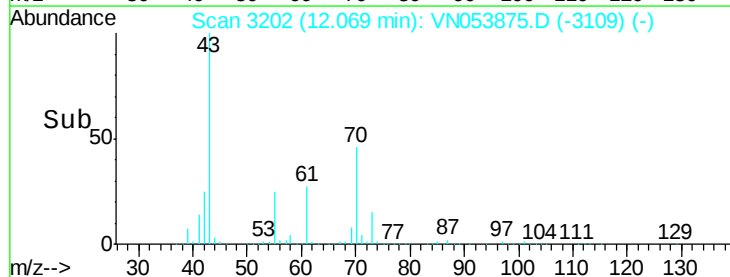
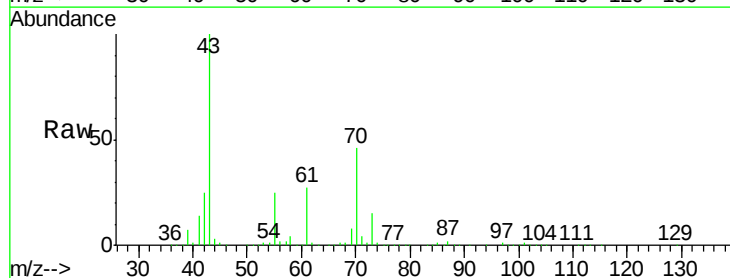
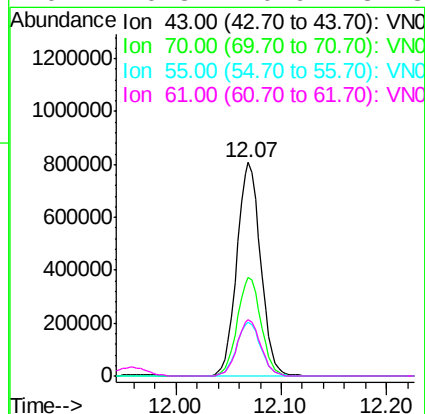
21.4

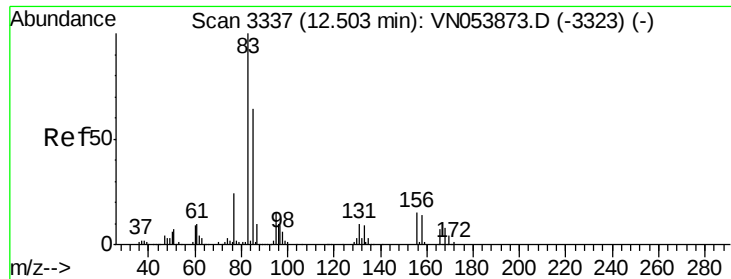
32.0

61 26.3

20.9

31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 135.912 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1114581

Ion Ratio Lower Upper

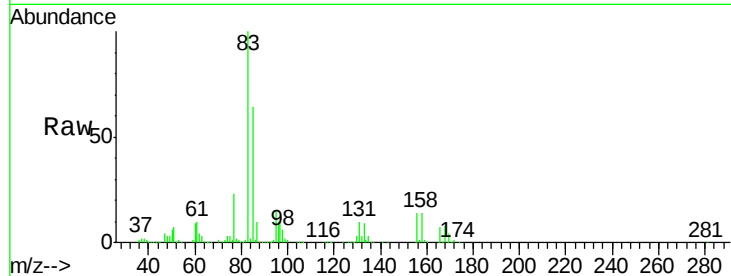
83 100

131 10.7 5.3 16.1

85 63.9 31.9 95.9

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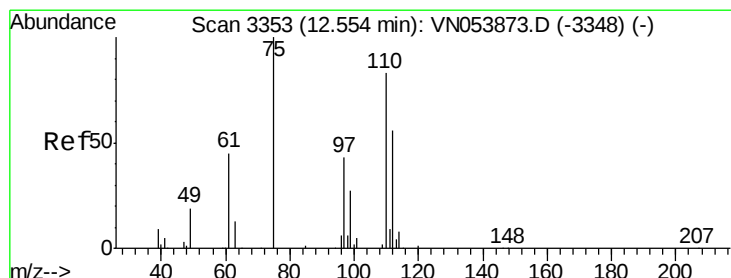
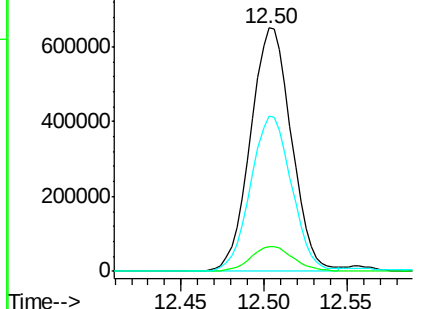
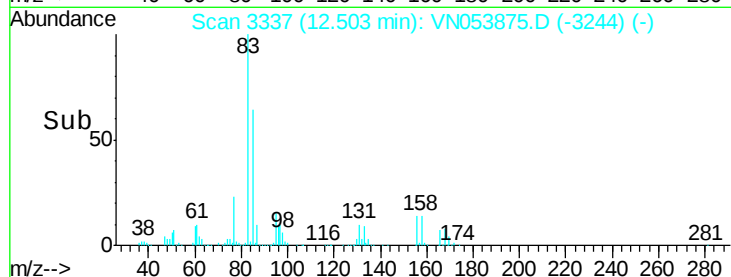


Abundance Ion 82.90 (82.60 to 83.60): VN053873.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053873.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053873.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 153.835 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053875.D

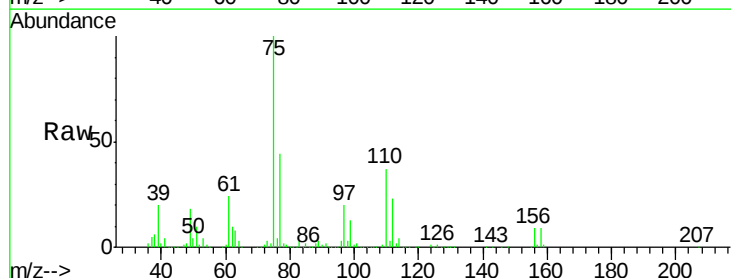
Acq: 20 Feb 2019 10:44

Tgt Ion: 75 Resp: 989465

Ion Ratio Lower Upper

75 100

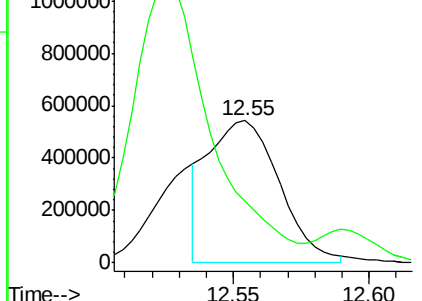
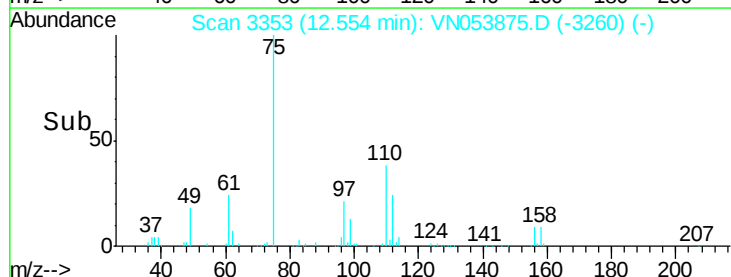
77 0.0 0.0 0.0

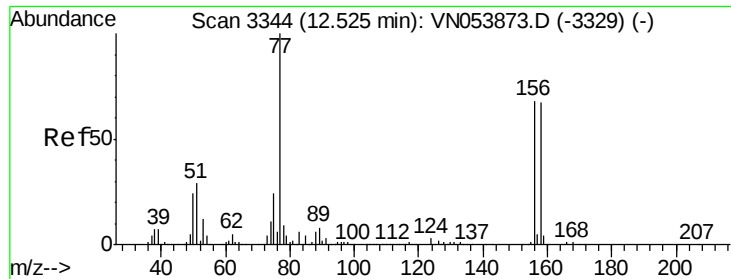


Abundance Ion 74.90 (74.60 to 75.60): VN053873.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053873.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 137.892 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1283073

Ion Ratio Lower Upper

156 100

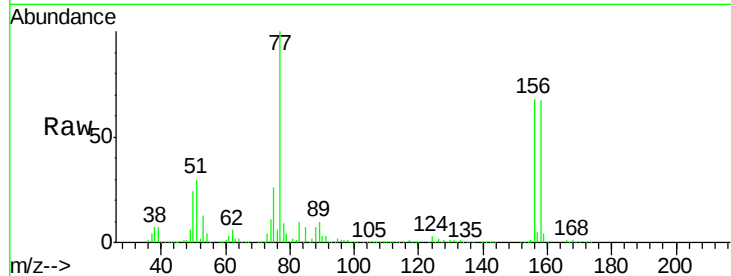
77 170.6 84.0 252.2

158 98.0 48.5 145.6

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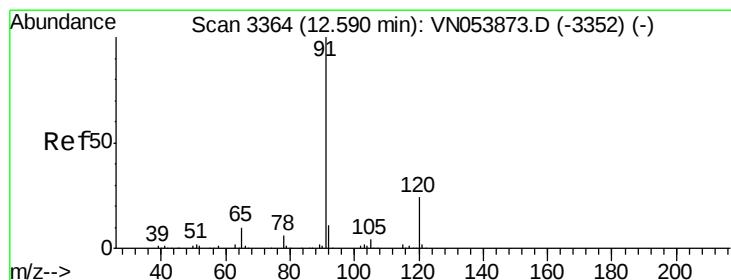
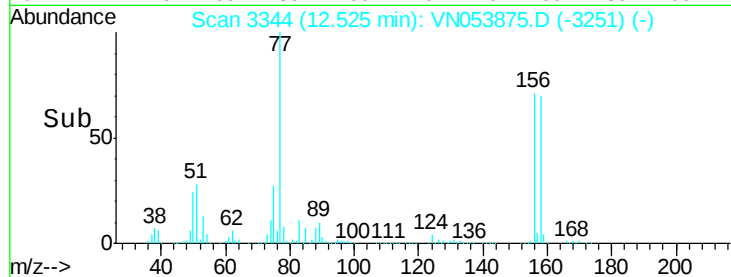
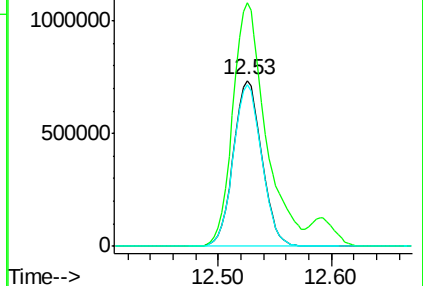
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 141.294 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053875.D

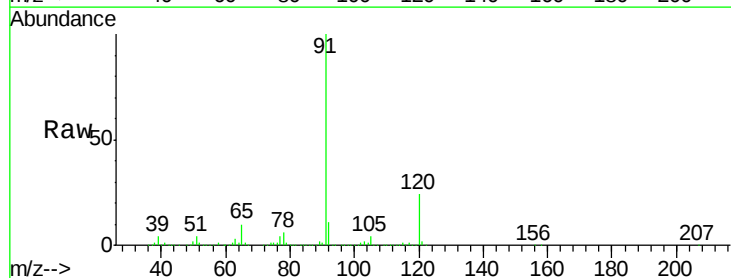
Acq: 20 Feb 2019 10:44

Tgt Ion: 91 Resp: 5480623

Ion Ratio Lower Upper

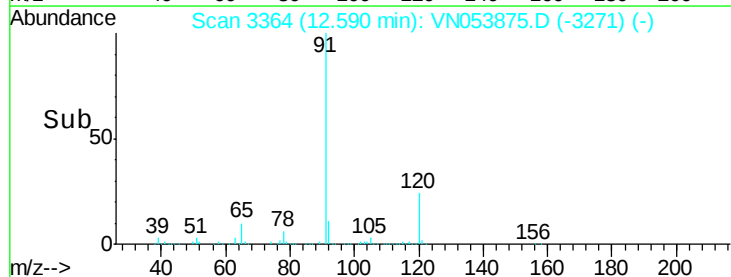
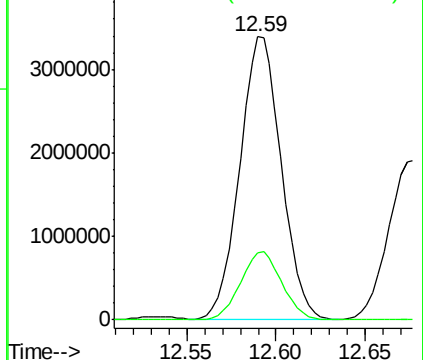
91 100

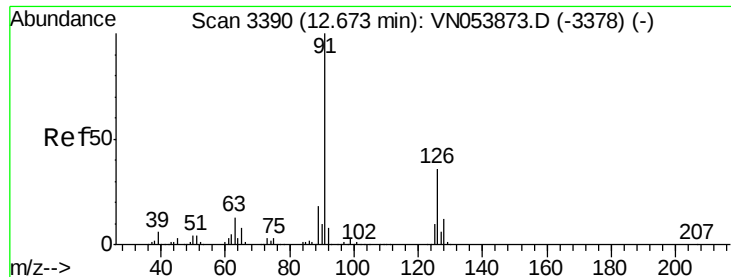
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 137.367 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 3212753

Ion Ratio Lower Upper

91 100

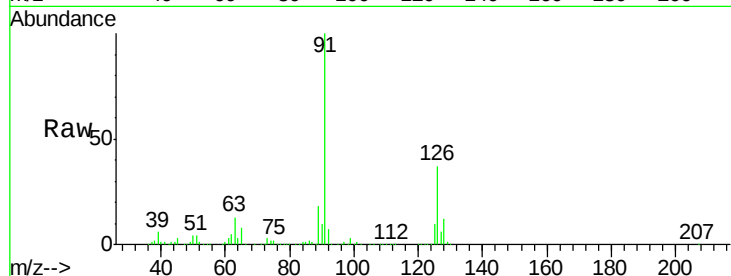
126 36.5 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN053873.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053873.D (-3378) (-)

3000000

2500000

2000000

1500000

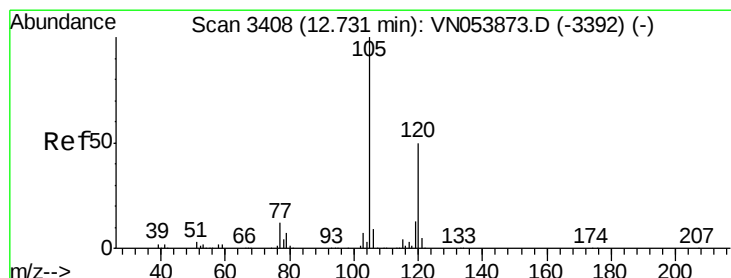
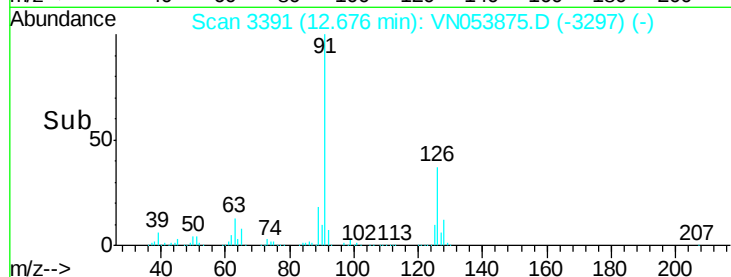
1000000

500000

0

Time--> 12.60 12.65 12.70

12.68



#80

1,3,5-Trimethylbenzene

Concen: 141.878 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053875.D

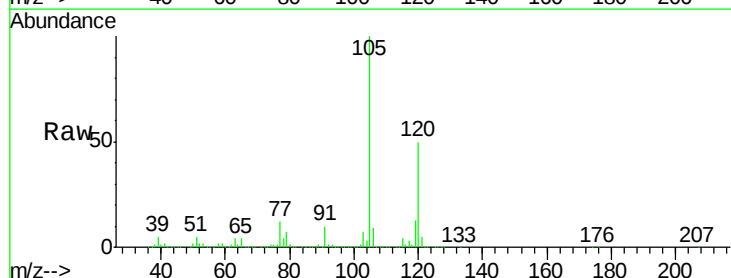
Acq: 20 Feb 2019 10:44

Tgt Ion:105 Resp: 4084973

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053873.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN053873.D (-3392) (-)

3000000

2500000

2000000

1500000

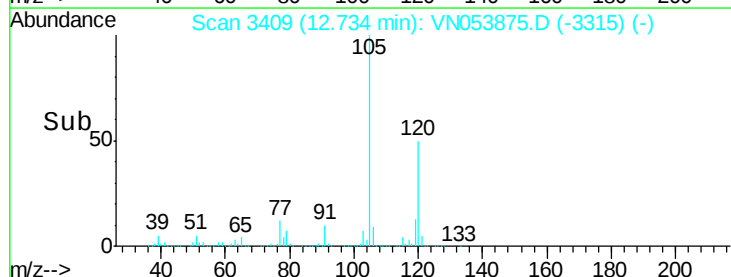
1000000

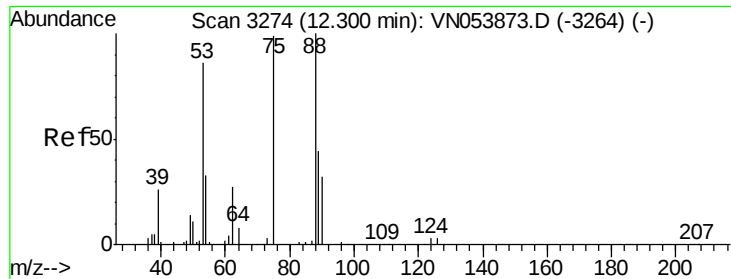
500000

0

Time--> 12.70 12.80

12.73





#81

trans-1,4-Dichloro-2-butene

Concen: 156.316 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

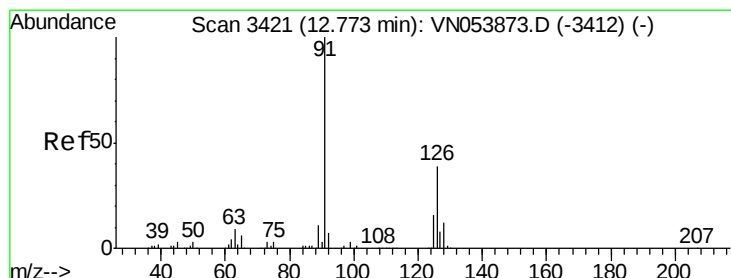
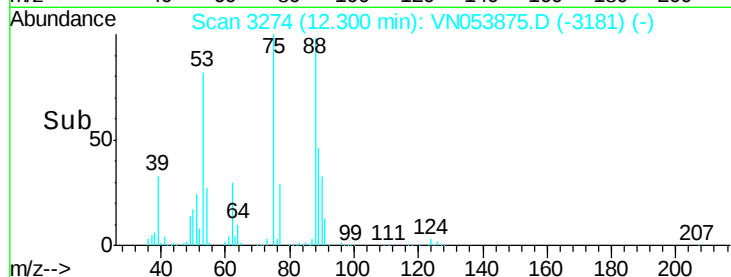
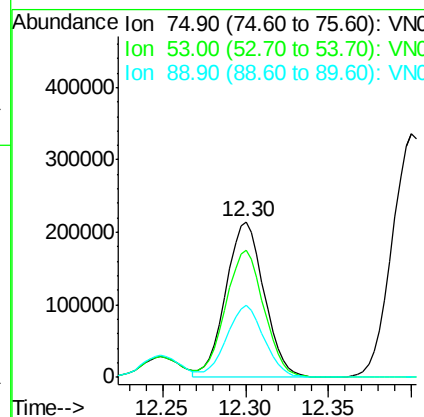
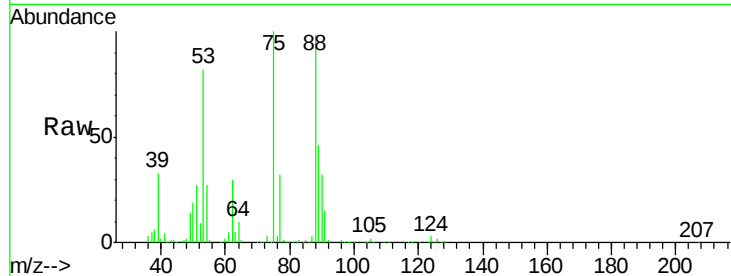
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	342248
Ion Ratio	Lower	Upper	
75	100		
53	82.4	68.6	102.8
89	45.8	35.3	52.9

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#82

4-Chlorotoluene

Concen: 143.183 ug/l

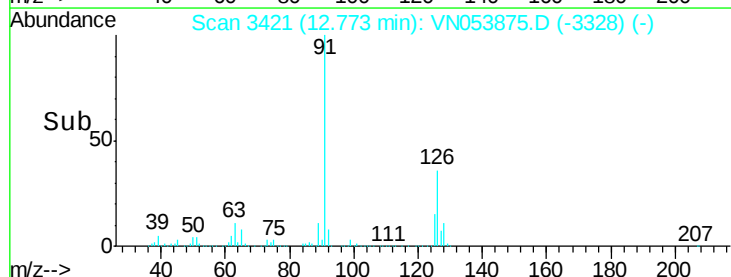
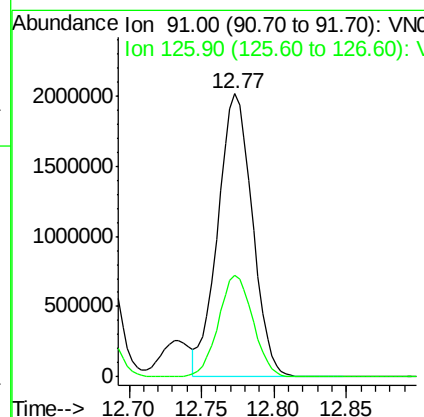
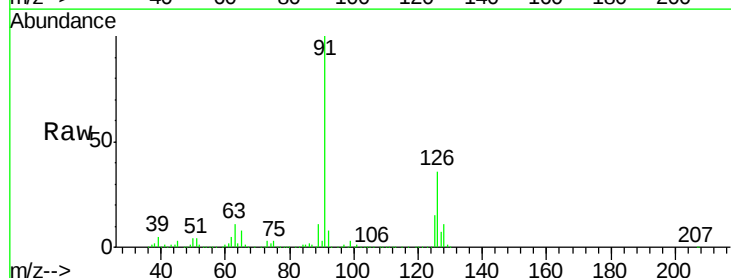
RT: 12.77 min Scan# 3421

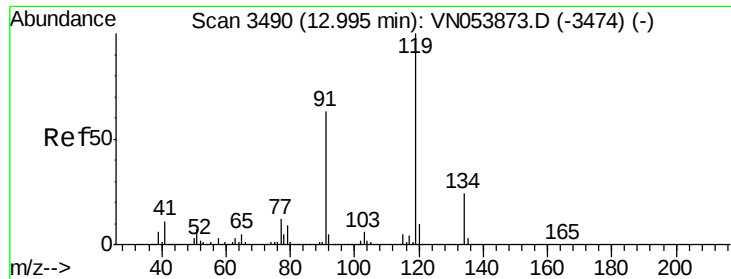
Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Tgt Ion:	91	Resp:	3336216
Ion Ratio	Lower	Upper	
91	100		
126	35.8	18.0	54.0





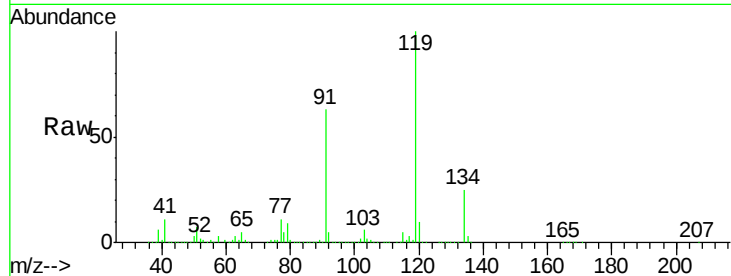
#83
 tert-Butylbenzene
 Concen: 140.621 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

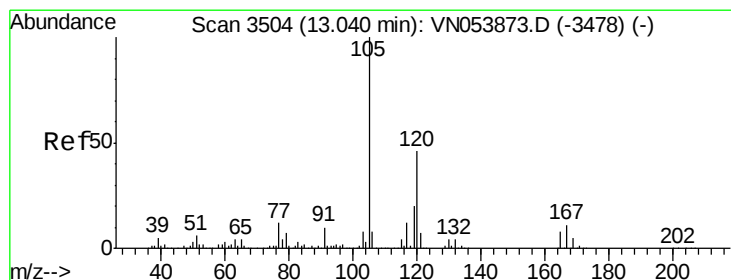
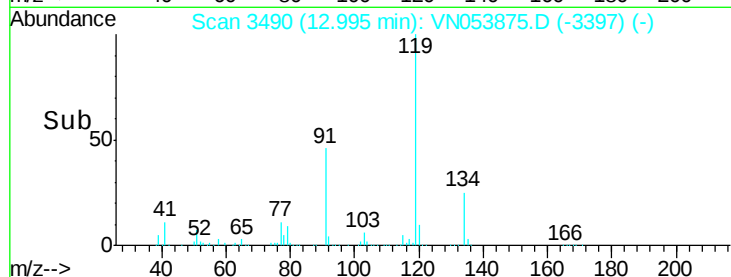
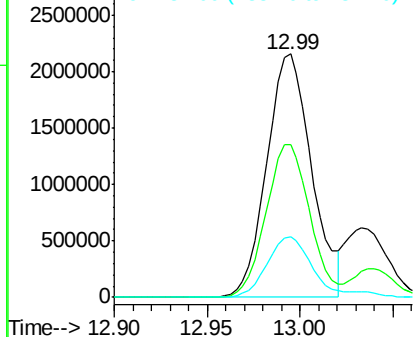
Tot Ion:119 Resp: 3635520
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.6 91.8
 134 26.1 13.0 39.0

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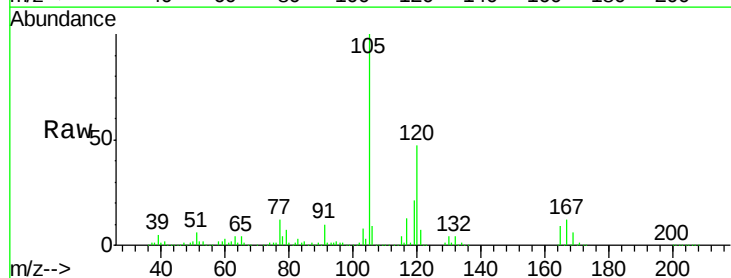


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

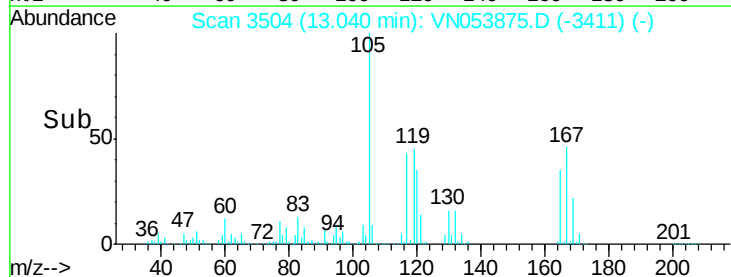
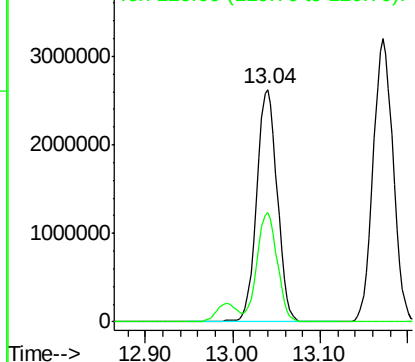


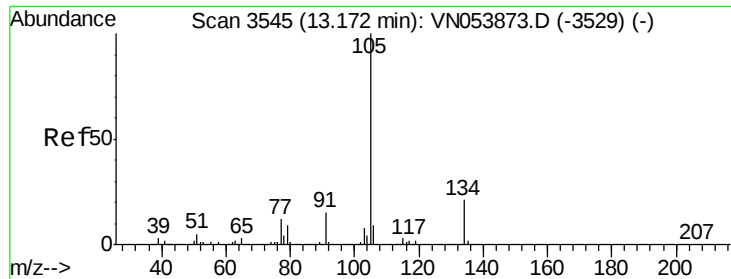
#84
 1,2,4-Trimethylbenzene
 Concen: 147.767 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Tgt Ion:105 Resp: 4267133
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 145.405 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5061502

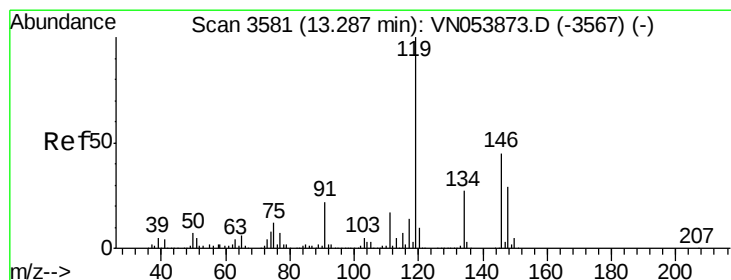
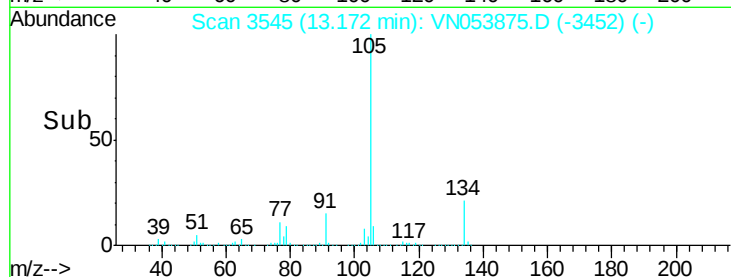
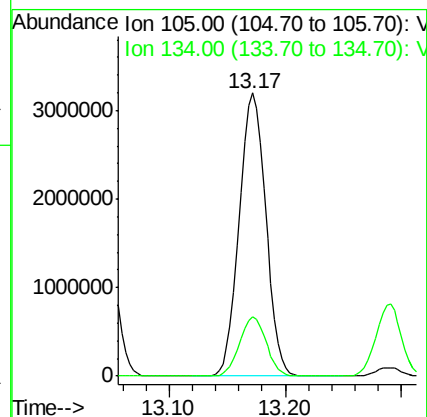
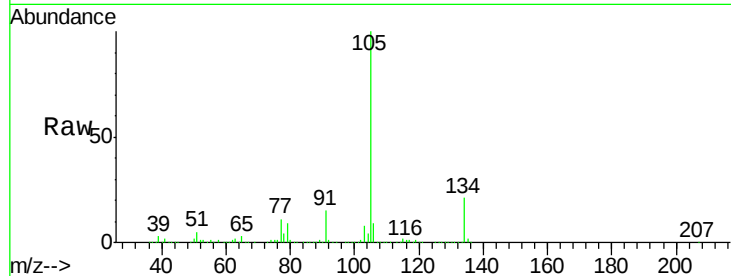
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 152.014 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

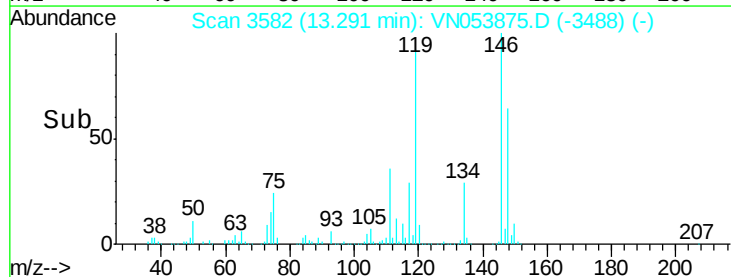
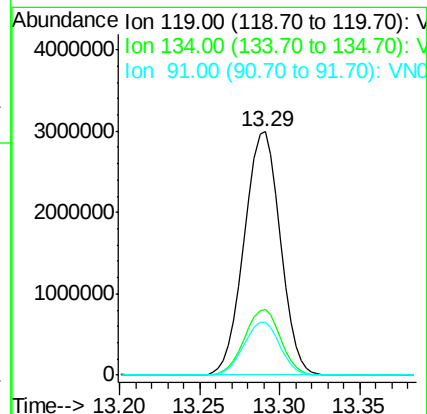
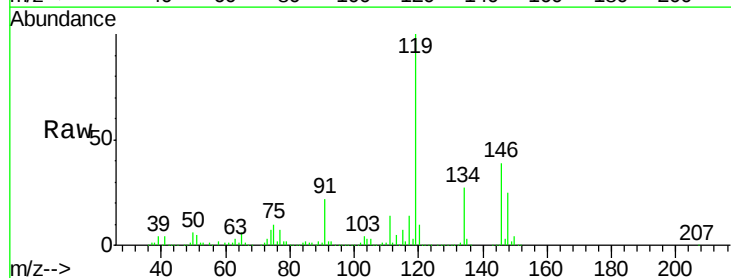
Tgt Ion:119 Resp: 4592465

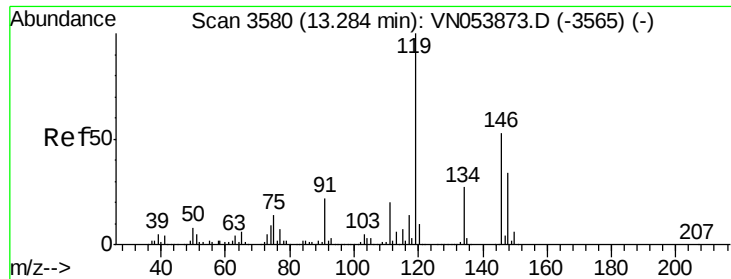
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.6 10.9 32.6





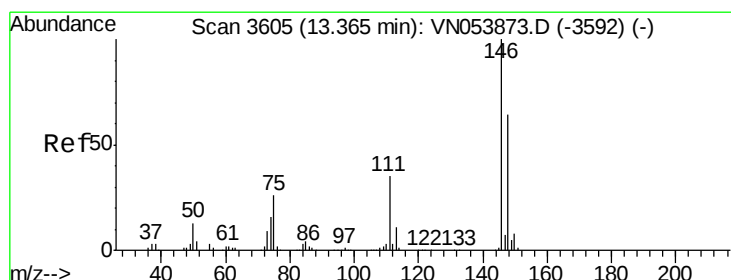
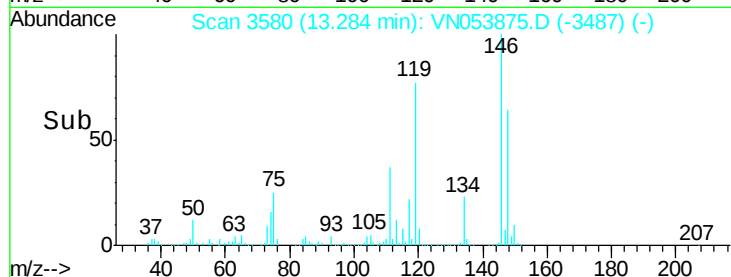
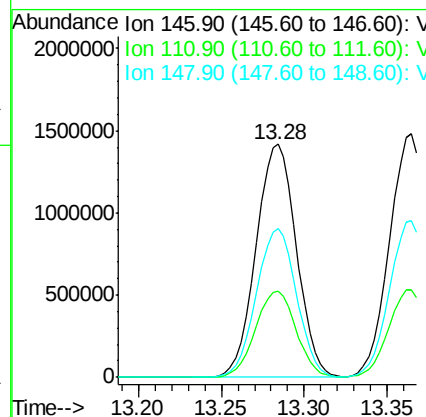
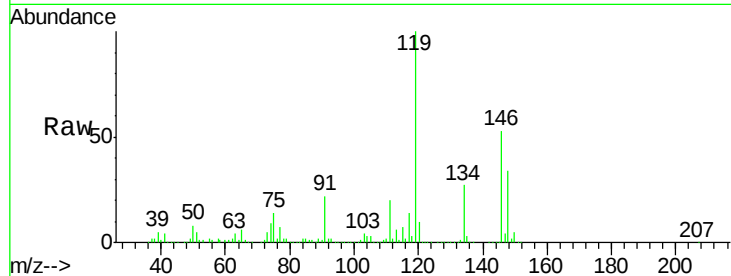
#87
 1,3-Dichlorobenzene
 Concen: 148.435 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2410188
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.7 56.1
 148 63.6 32.0 96.2

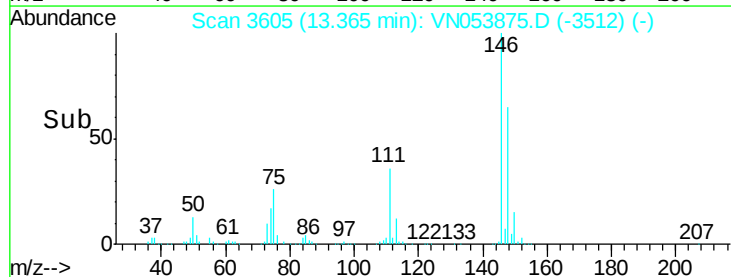
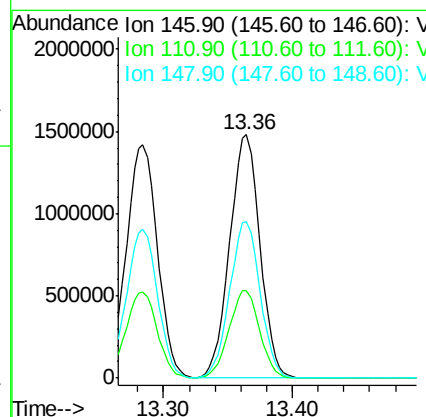
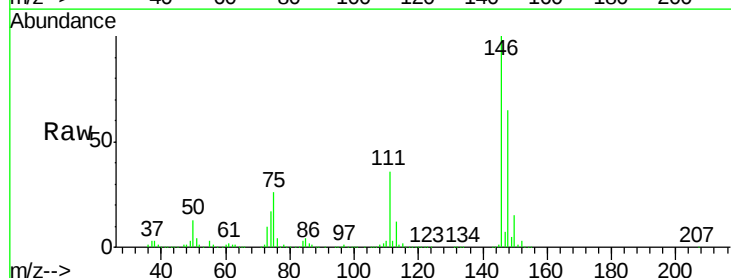
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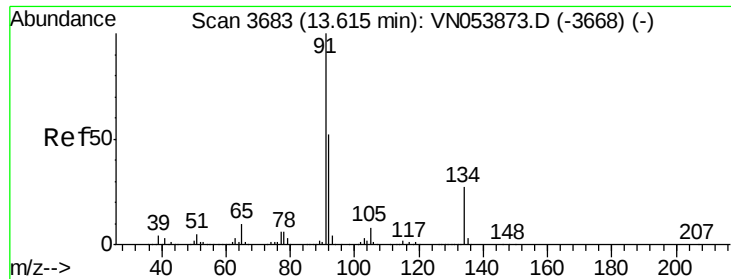
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#88
 1,4-Dichlorobenzene
 Concen: 147.571 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053875.D
 Acq: 20 Feb 2019 10:44

Tgt Ion:146 Resp: 2410935
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.0 54.0
 148 64.7 32.1 96.5





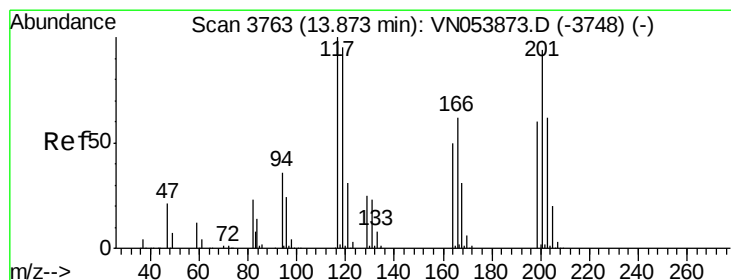
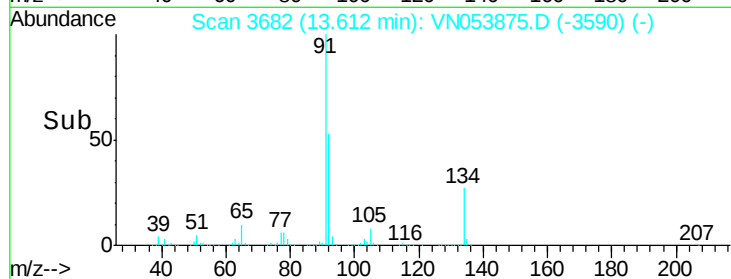
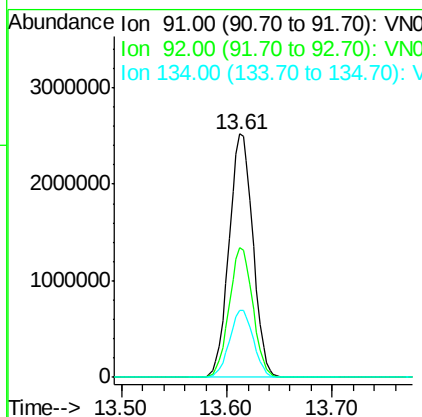
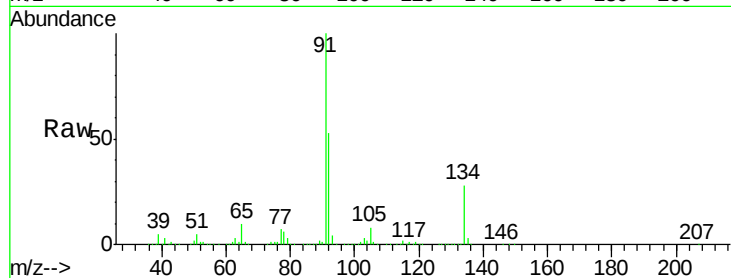
#89
n-Butylbenzene
Concen: 157.850 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3921514
Ion Ratio Lower Upper
91 100
92 52.8 26.1 78.2
134 27.8 13.6 40.8

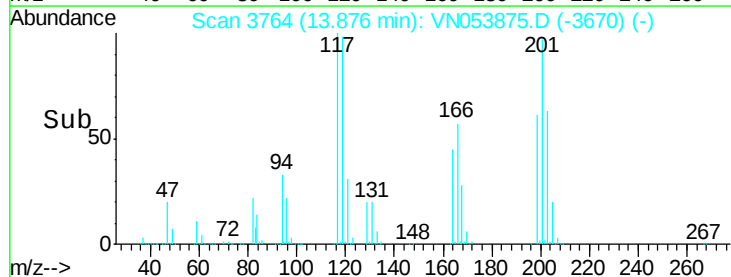
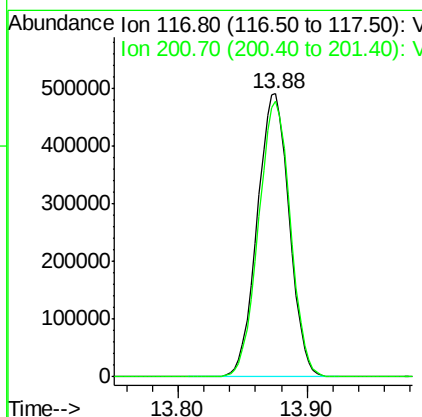
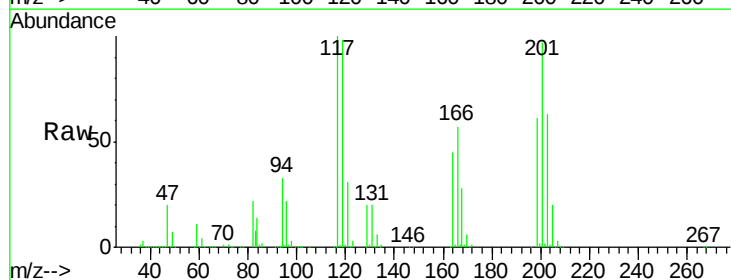
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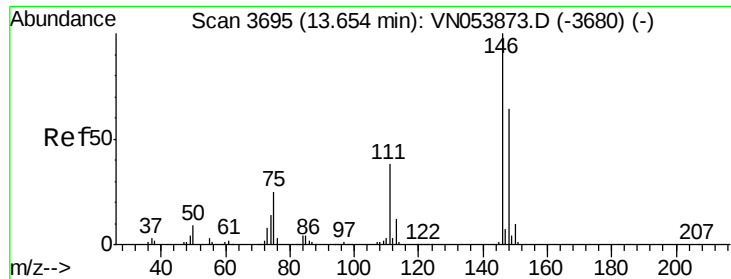
MMDadoda
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#90
Hexachloroethane
Concen: 147.397 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053875.D
Acq: 20 Feb 2019 10:44

Tgt Ion: 117 Resp: 850693
Ion Ratio Lower Upper
117 100
201 96.7 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 141.863 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2259913

Ion Ratio Lower Upper

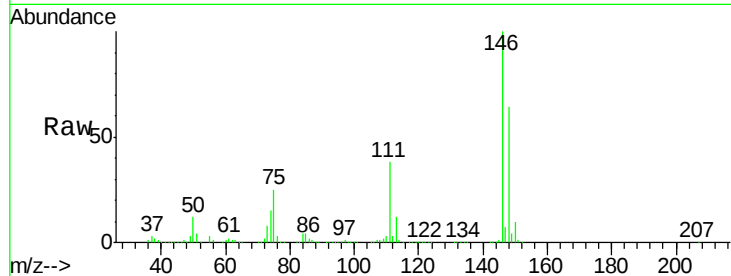
146 100

111 38.4 19.1 57.5

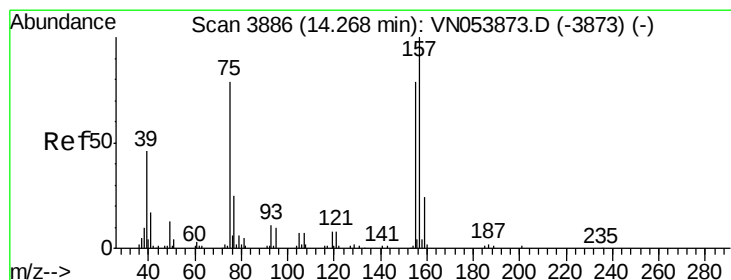
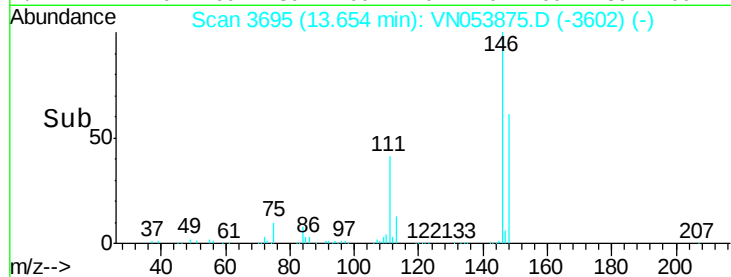
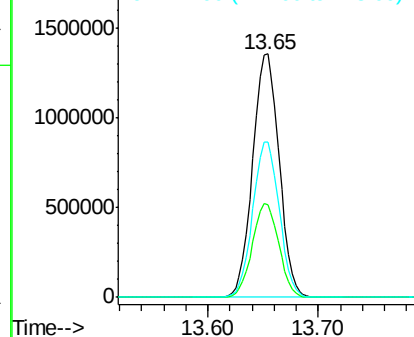
148 63.8 32.1 96.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 156.048 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

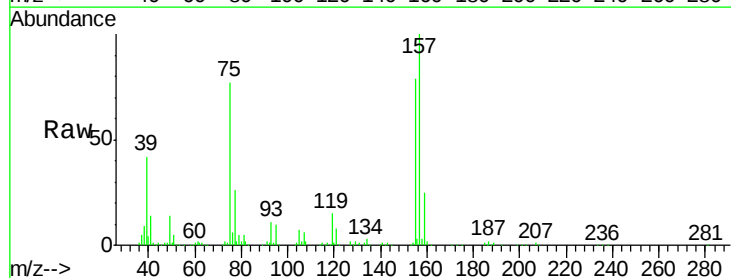
Tgt Ion: 75 Resp: 186738

Ion Ratio Lower Upper

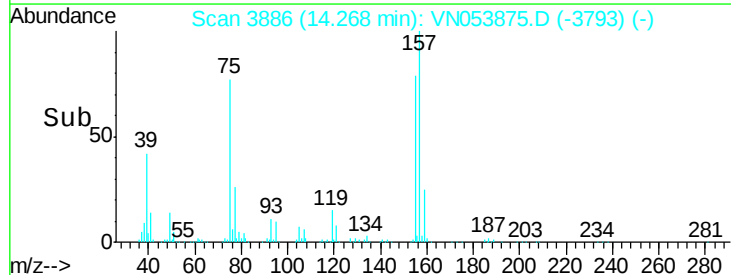
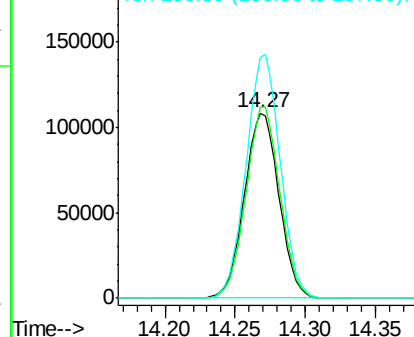
75 100

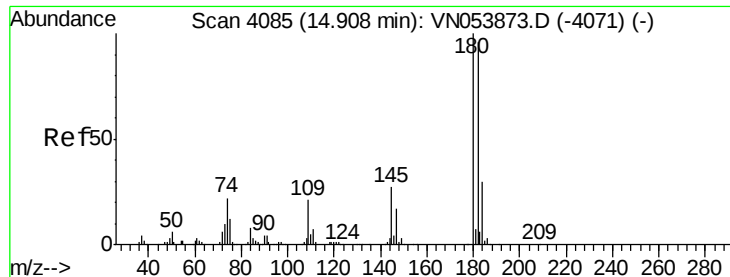
155 101.4 49.5 148.5

157 130.0 64.8 194.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 186.757 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:180 Resp: 1526659

Ion Ratio Lower Upper

180 100

182 95.3 48.6 145.9

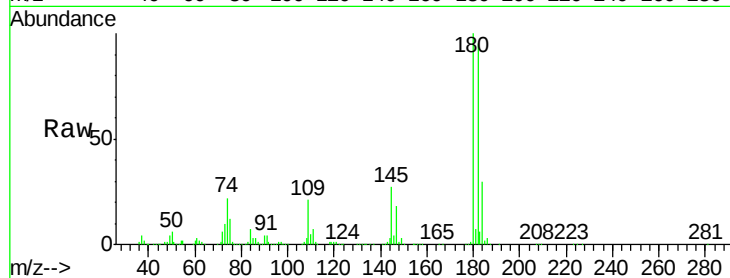
145 27.6 13.8 41.3

Manual Integrations

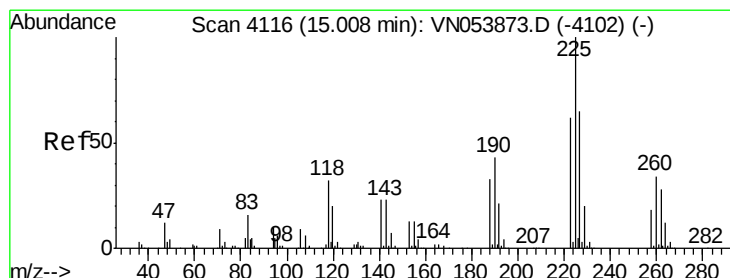
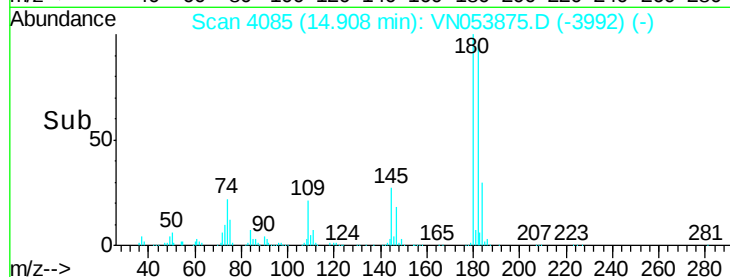
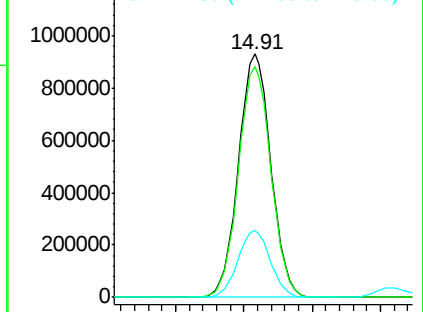
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 131.042 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

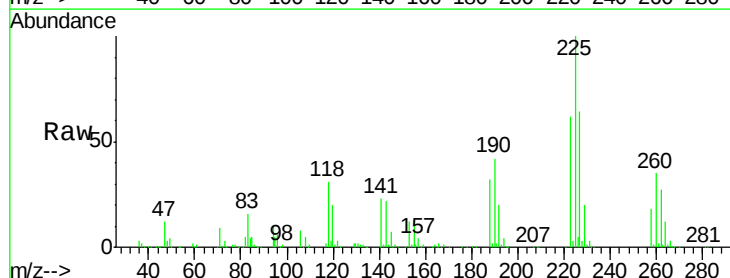
Tgt Ion:225 Resp: 870573

Ion Ratio Lower Upper

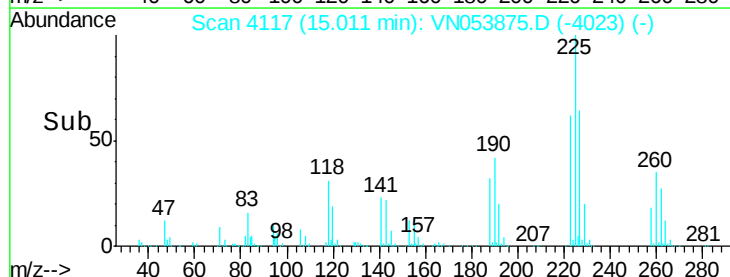
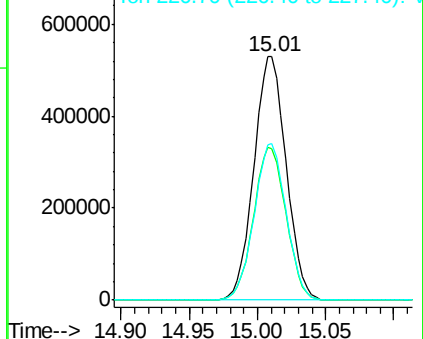
225 100

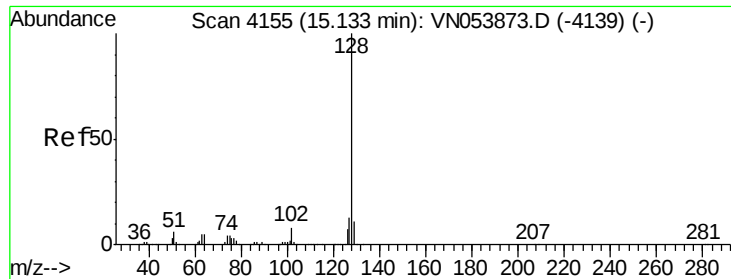
223 63.1 30.9 92.5

227 63.8 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 210.875 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3219469

Ion Ratio Lower Upper

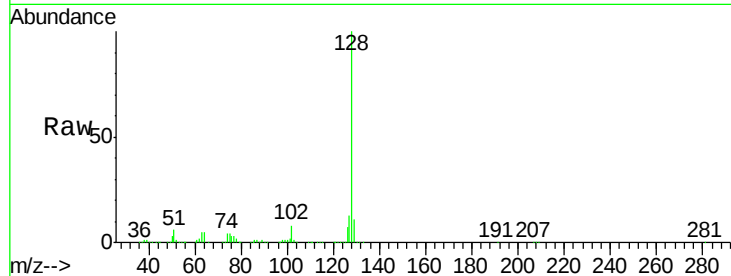
128 100

127 12.7 10.2 15.2

129 10.8 8.6 12.8

Manual Integrations
APPROVED

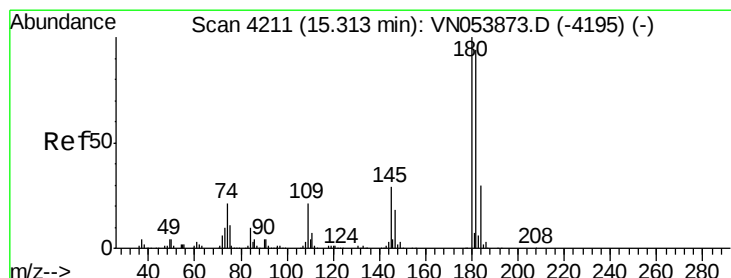
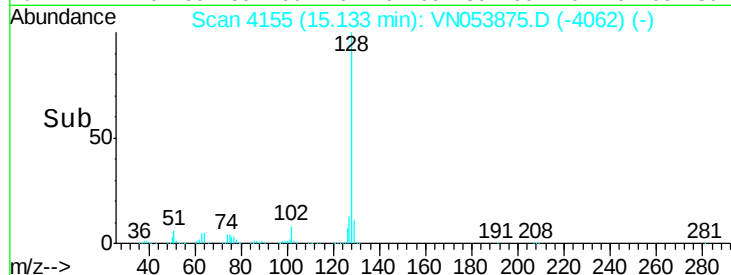
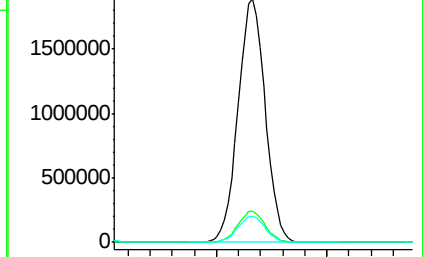
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 182.281 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053875.D

Acq: 20 Feb 2019 10:44

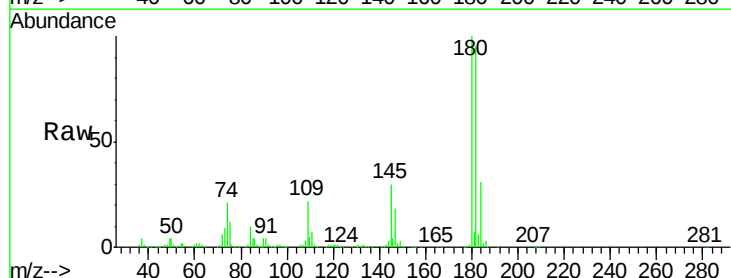
Tgt Ion:180 Resp: 1445919

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

145 29.5 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

