

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053874.D
 Acq On : 20 Feb 2019 10:17
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:52:05 AM

Quant Time: Feb 21 03:31:26 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	720707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1017498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	873601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	439942	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	699630	94.99	ug/l	0.00
Spiked Amount			Recovery	=	189.98%	
35) Dibromofluoromethane	7.59	113	681790	102.10	ug/l	0.00
Spiked Amount			Recovery	=	204.20%	
50) Toluene-d8	10.09	98	2372472	98.37	ug/l	0.00
Spiked Amount			Recovery	=	196.74%	
62) 4-Bromofluorobenzene	12.40	95	797946	100.21	ug/l	0.00
Spiked Amount			Recovery	=	200.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	546339	87.253	ug/l	99
3) Chloromethane	2.06	50	660332	84.828	ug/l	98
4) Vinyl Chloride	2.18	62	747363	89.439	ug/l	99
5) Bromomethane	2.56	94	534887	87.409	ug/l	98
6) Chloroethane	2.70	64	481094	89.082	ug/l	99
7) Trichlorofluoromethane	3.02	101	1054887	88.900	ug/l	100
8) Diethyl Ether	3.41	74	408250	97.872	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	662784	92.681	ug/l	99
10) Methyl Iodide	3.95	142	1056418	99.618	ug/l	99
11) Tert butyl alcohol	4.78	59	248478	540.403	ug/l	99
12) 1,1-Dichloroethene	3.74	96	642341	96.042	ug/l	99
13) Acrolein	3.61	56	100572	306.023	ug/l	100
14) Allyl chloride	4.32	41	1026921	101.453	ug/l	99
15) Acrylonitrile	4.99	53	1220132	526.750	ug/l	100
16) Acetone	3.81	43	953389	470.655	ug/l	99
17) Carbon Disulfide	4.06	76	2001828	96.638	ug/l	100
18) Methyl Acetate	4.32	43	459359	99.159	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1766214	104.086	ug/l	99
20) Methylene Chloride	4.55	84	718224	94.706	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	698292	99.480	ug/l	97
22) Diisopropyl ether	5.95	45	2030936	107.634	ug/l	99
23) Vinyl Acetate	5.89	43	7469904	557.854	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1242012	97.220	ug/l	100
25) 2-Butanone	6.83	43	1368187	523.432	ug/l	97
26) 2,2-Dichloropropane	6.82	77	941368	97.105	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	784344	99.744	ug/l	99
28) Bromochloromethane	7.19	49	551183	98.856	ug/l	97
29) Tetrahydrofuran	7.21	42	891390	527.309	ug/l	100
30) Chloroform	7.37	83	1224379	95.382	ug/l	99
31) Cyclohexane	7.65	56	1154693	86.662	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1048109	95.430	ug/l	100
36) 1,1-Dichloropropene	7.79	75	963321	103.288	ug/l	98
37) Ethyl Acetate	6.93	43	595820	115.758	ug/l	99
38) Carbon Tetrachloride	7.77	117	947523	95.051	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1102073	102.548	ug/l	99
40) Benzene	8.04	78	2854171	103.517	ug/l	100
41) Methacrylonitrile	7.17	41	314984	95.859	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	831239	101.128	ug/l	100
43) Isopropyl Acetate	8.16	43	1029332	103.469	ug/l #	89
44) Trichloroethene	8.83	130	737076	95.496	ug/l	99
45) 1,2-Dichloropropane	9.12	63	678452	96.382	ug/l	99
46) Dibromomethane	9.21	93	412308	97.278	ug/l	99
47) Bromodichloromethane	9.40	83	862184	96.427	ug/l	100
48) Methyl methacrylate	9.20	41	460853	100.750	ug/l	96
49) 1,4-Dioxane	9.20	88	140385	2225.386	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2521198	545.178	ug/l	99
52) Toluene	10.16	92	1616982	98.963	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	915382	105.430	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1058324	103.417	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	582242	97.479	ug/l	99
56) Ethyl methacrylate	10.43	69	755909	112.411	ug/l	99
57) 1,3-Dichloropropane	10.71	76	988285	98.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1726844	586.163	ug/l	99
59) 2-Hexanone	10.75	43	1666866	534.057	ug/l	99
60) Dibromochloromethane	10.90	129	692019	99.258	ug/l	100
61) 1,2-Dibromoethane	11.00	107	584440	98.489	ug/l	99
64) Tetrachloroethene	10.63	164	730065	93.457	ug/l	99
65) Chlorobenzene	11.43	112	1793529	98.084	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	665376	99.715	ug/l	100
67) Ethyl Benzene	11.51	91	3006983	101.611	ug/l	100
68) m/p-Xylenes	11.62	106	2360274	205.986	ug/l	99
69) o-Xylene	11.95	106	1141652	103.493	ug/l	99
70) Styrene	11.96	104	1866193	107.807	ug/l	100
71) Bromoform	12.13	173	498768	105.328	ug/l #	100
73) Isopropylbenzene	12.25	105	2926508	94.424	ug/l	100
74) N-amyl acetate	12.07	43	756924	106.350	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	686143	93.640	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	572733m	99.656	ug/l	
77) Bromobenzene	12.53	156	797909	95.971	ug/l	99
78) n-propylbenzene	12.59	91	3417627	98.609	ug/l	99
79) 2-Chlorotoluene	12.67	91	1999426	95.677	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2547278	99.015	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	206512	105.562	ug/l	98
82) 4-Chlorotoluene	12.77	91	2044775	98.216	ug/l	100
83) tert-Butylbenzene	12.99	119	2215264	95.897	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2607067	101.040	ug/l	100
85) sec-Butylbenzene	13.17	105	2999560	96.440	ug/l	100
86) p-Isopropyltoluene	13.29	119	2713574	100.526	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1419891	97.868	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1410273	96.608	ug/l	100
89) n-Butylbenzene	13.62	91	2341418	105.479	ug/l	99
90) Hexachloroethane	13.87	117	474377	91.989	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1389551	97.623	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	109045	101.983	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	891568	122.064	ug/l	98
94) Hexachlorobutadiene	15.01	225	539201	90.835	ug/l	99
95) Naphthalene	15.13	128	1785546	130.891	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	832474	117.454	ug/l	99

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

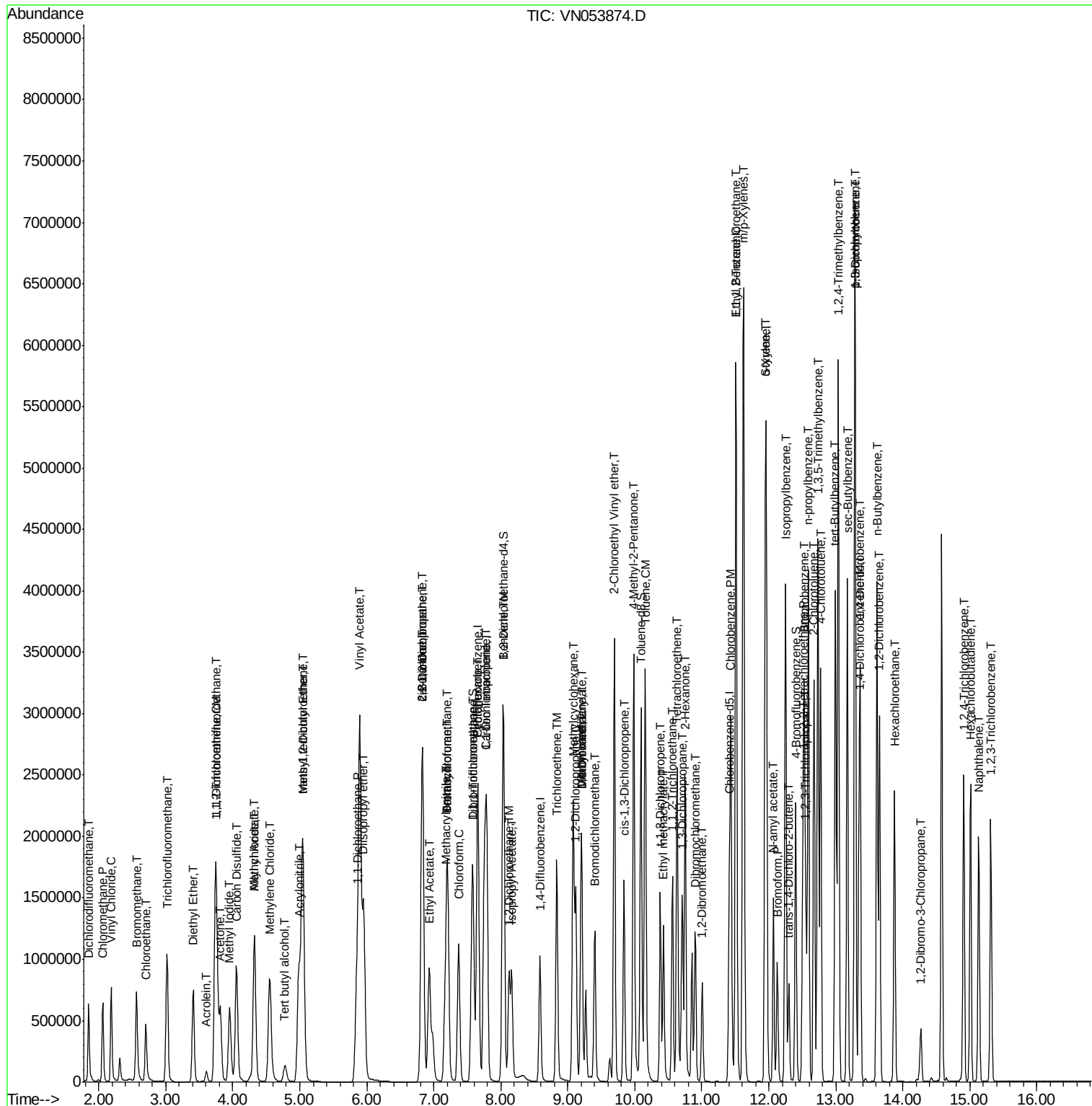
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 Data File : VN053874.D
 Acq On : 20 Feb 2019 10:17
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

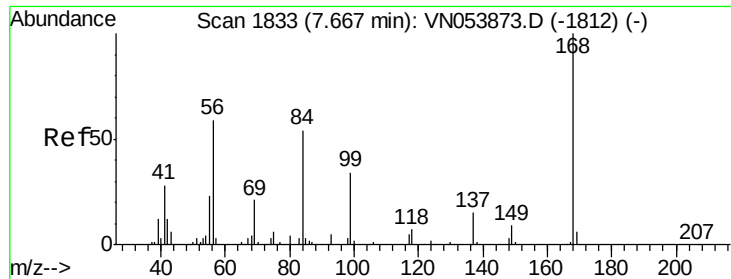
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDIC100

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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: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 720707

Ion Ratio Lower Upper

168 100

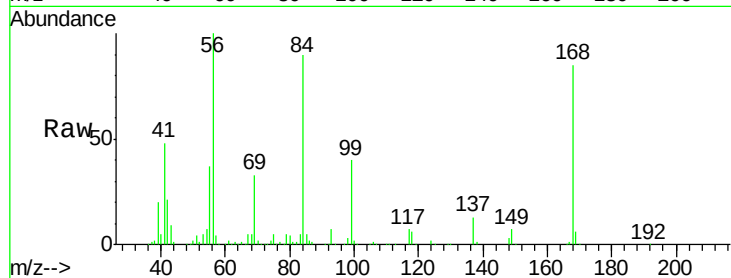
99 46.8 36.9 55.3

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

7.67

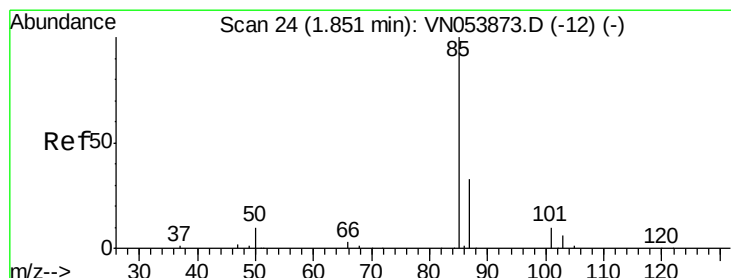
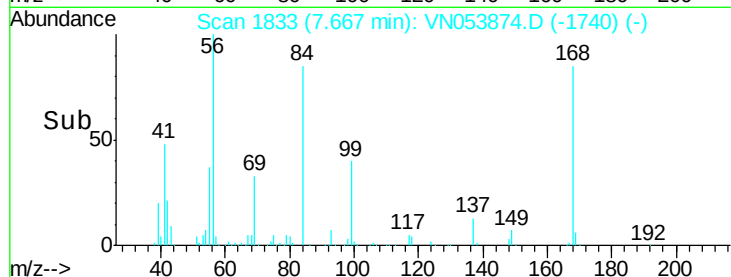
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 87.253 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053874.D

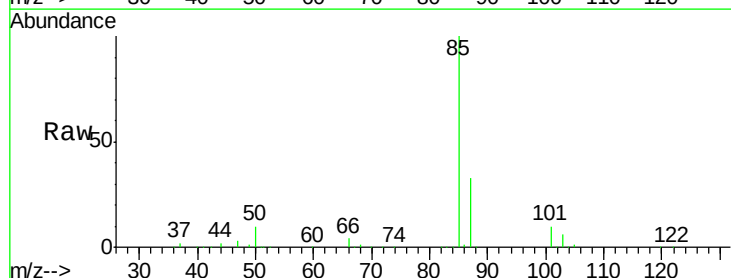
Acq: 20 Feb 2019 10:17

Tgt Ion: 85 Resp: 546339

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

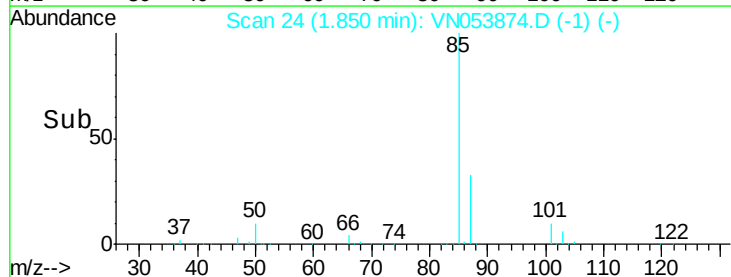
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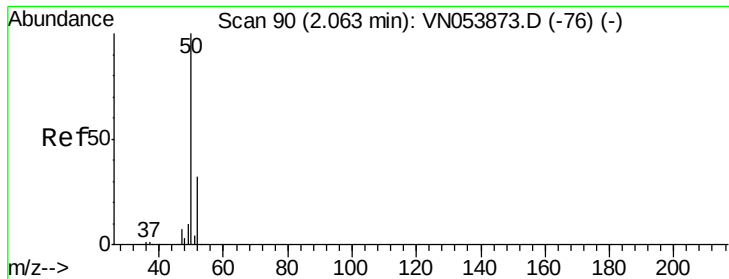
200000

100000

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Time-->





#3

Chloromethane

Concen: 84.828 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 660332

Ion Ratio Lower Upper

50 100

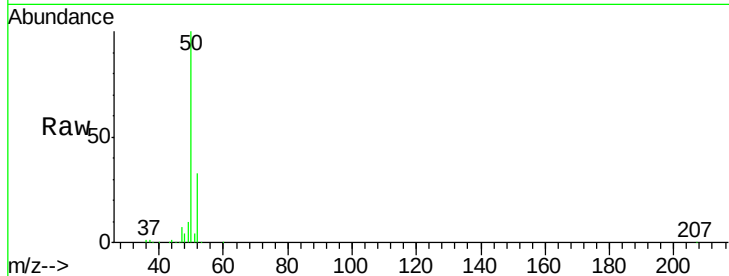
52 33.5 26.0 39.0

Manual Integrations

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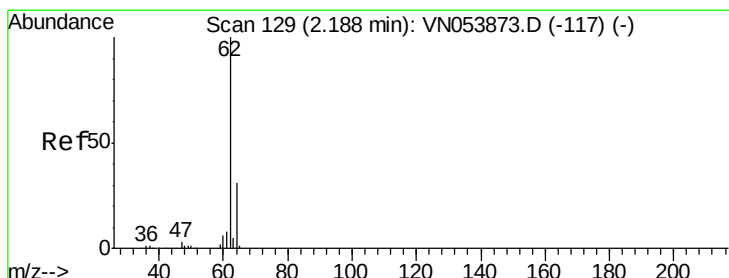
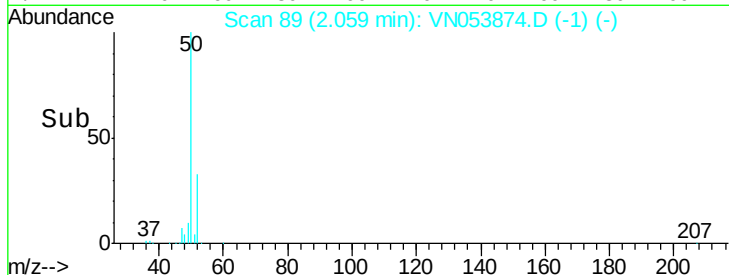
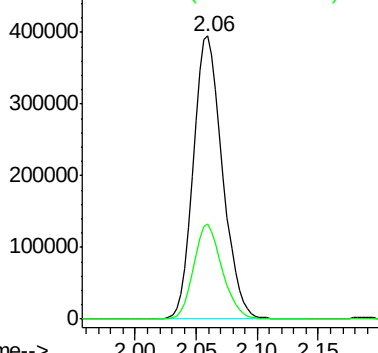
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 89.439 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053874.D

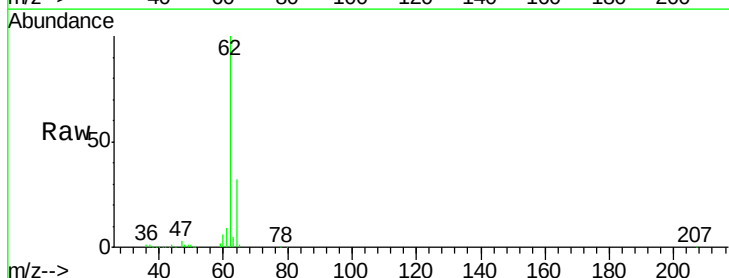
Acq: 20 Feb 2019 10:17

Tgt Ion: 62 Resp: 747363

Ion Ratio Lower Upper

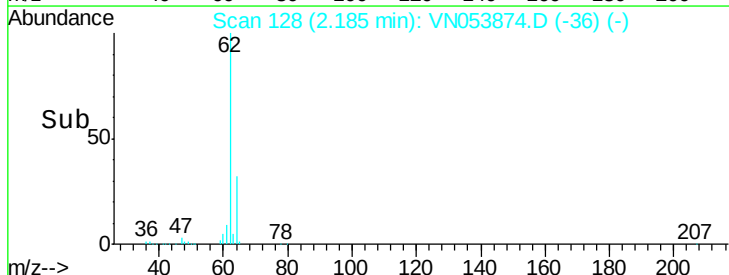
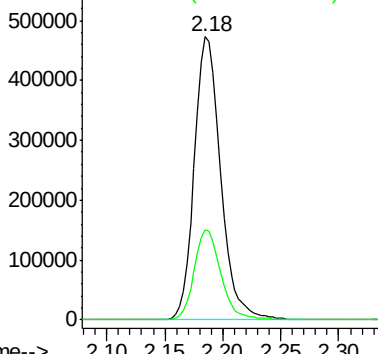
62 100

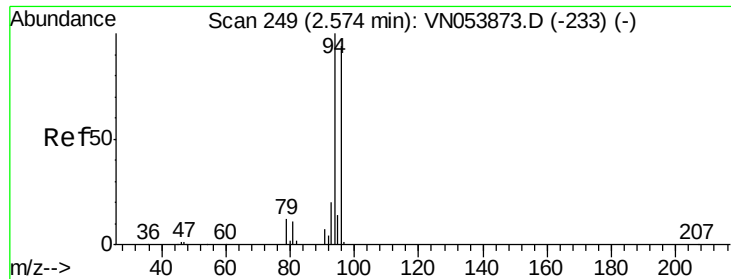
64 32.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 87.409 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 534887

Ion Ratio Lower Upper

94 100

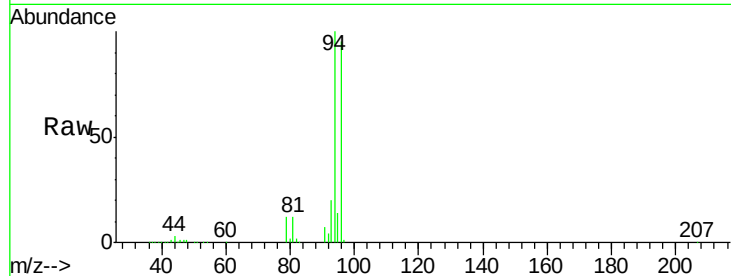
96 95.1 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

250000

200000

150000

100000

50000

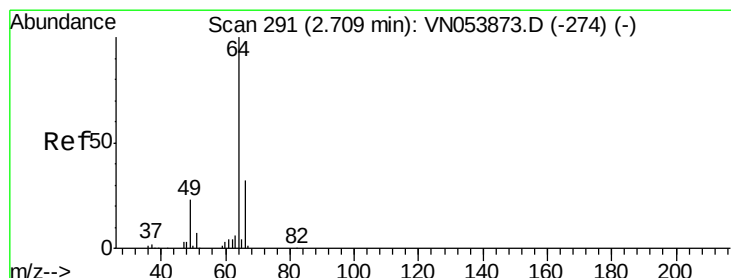
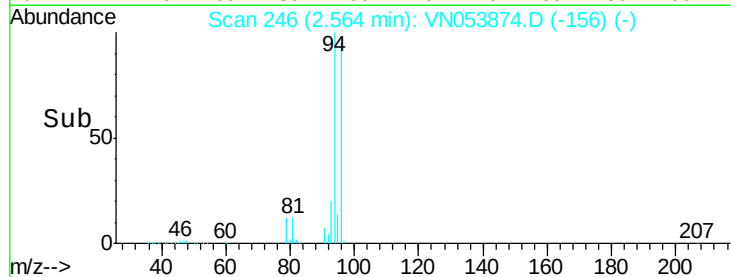
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 89.082 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN053874.D

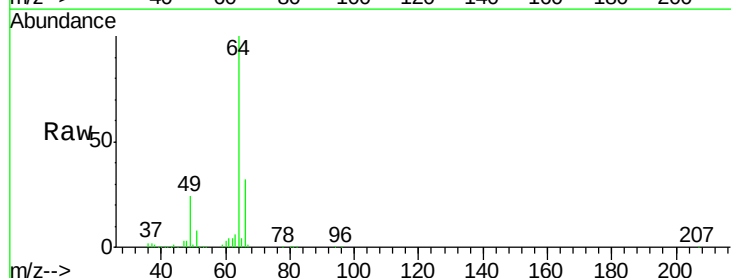
Acq: 20 Feb 2019 10:17

Tgt Ion: 64 Resp: 481094

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

250000

200000

150000

100000

50000

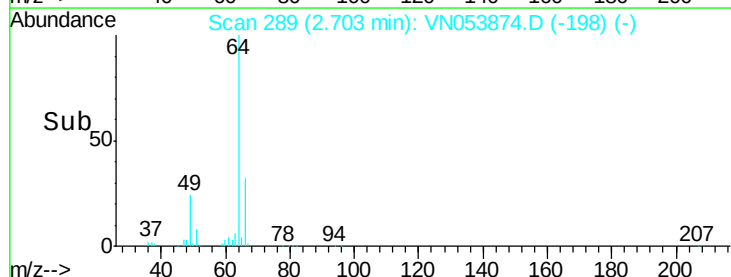
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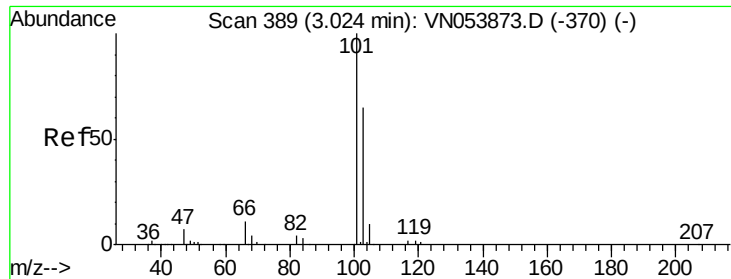
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2.60

2.70

2.80





#7

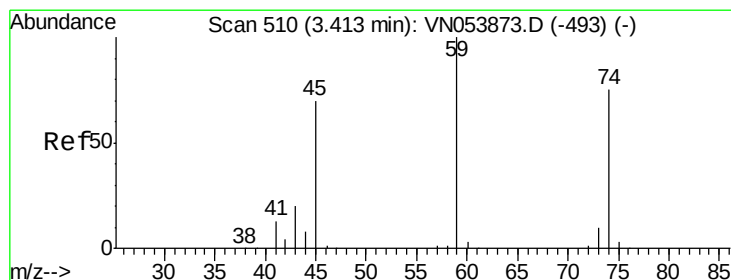
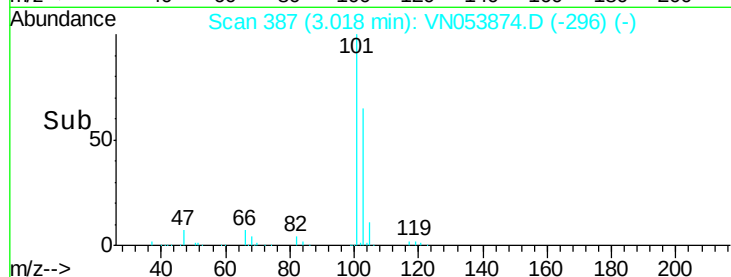
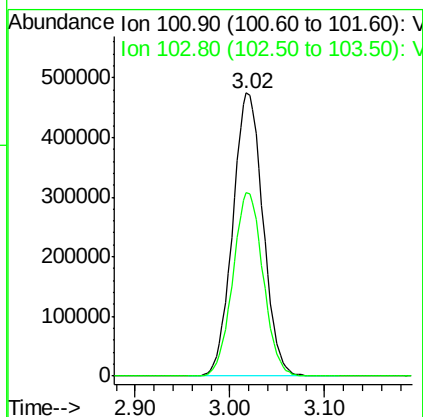
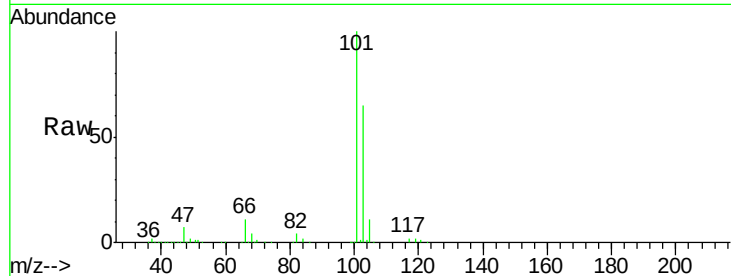
Trichlorofluoromethane
Concen: 88.900 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

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VSTDIC100

Tot Ion:101 Resp: 1054887
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9

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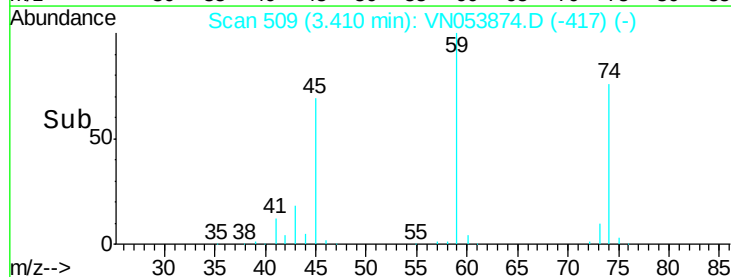
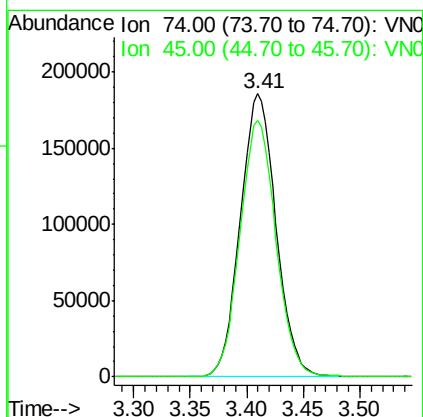
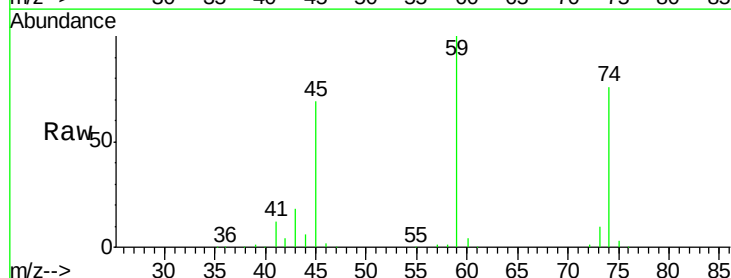
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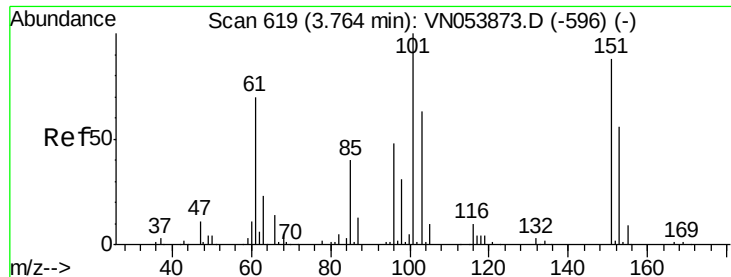


#8

Diethyl Ether
Concen: 97.872 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion: 74 Resp: 408250
Ion Ratio Lower Upper
74 100
45 91.2 46.9 140.6





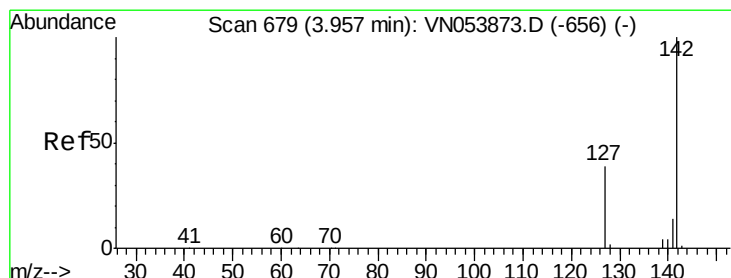
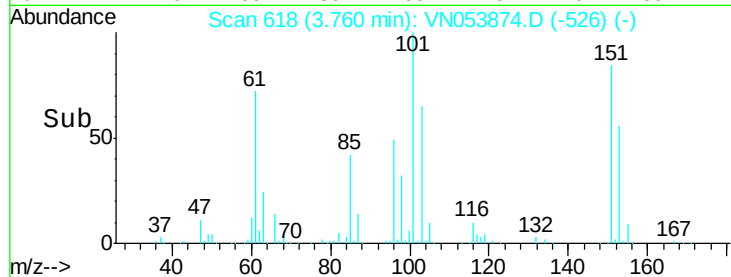
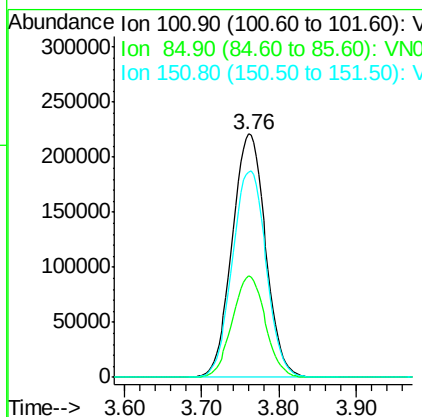
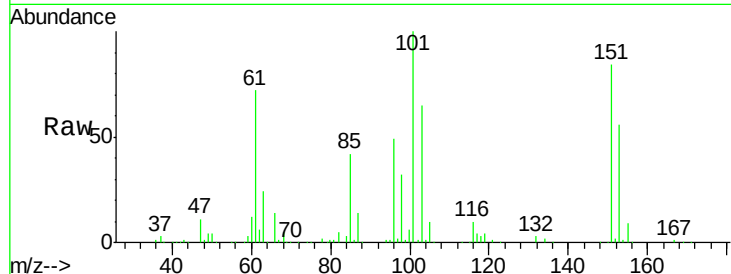
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 92.681 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.1	32.5	48.7
151	86.1	70.2	105.2

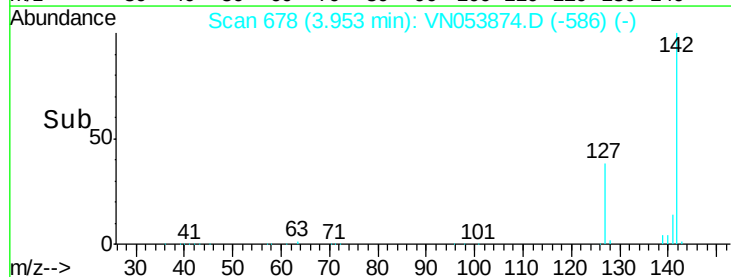
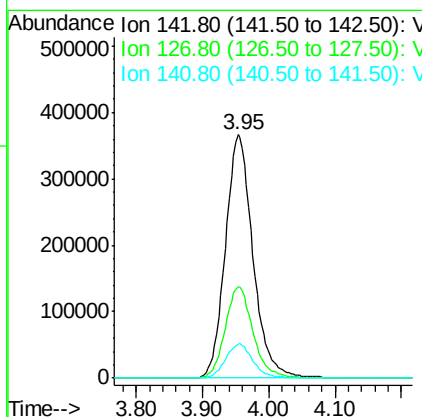
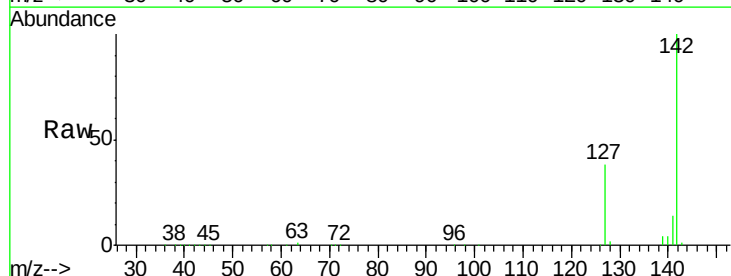
Manual Integrations
 APPROVED

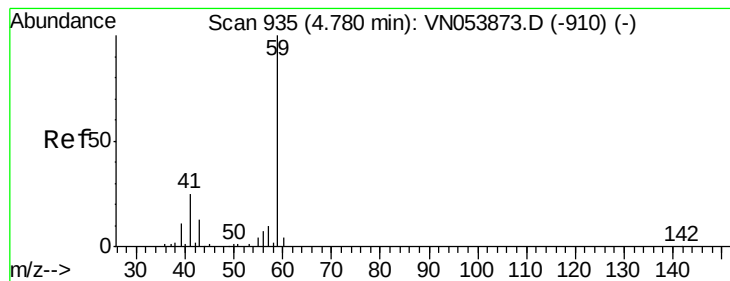
MMDadoda
 2/21/2019 10:52:05 AM



#10
 Methyl Iodide
 Concen: 99.618 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.2	31.0	46.4
141	14.0	11.3	16.9





#11

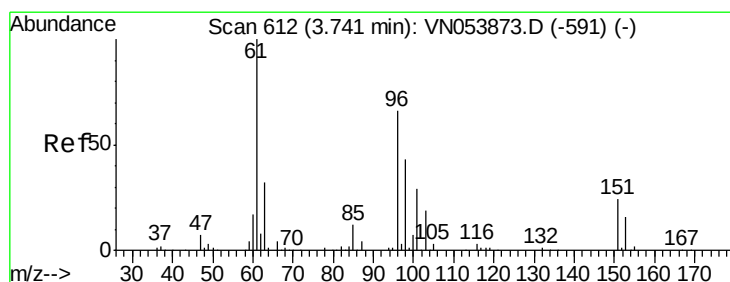
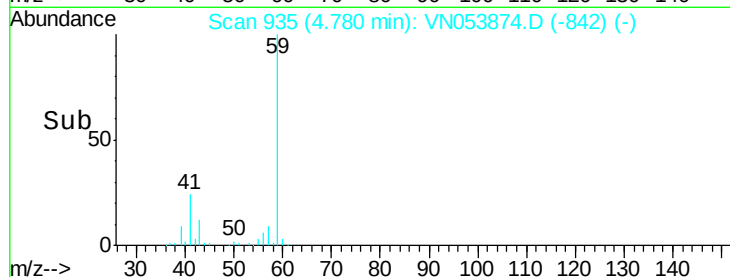
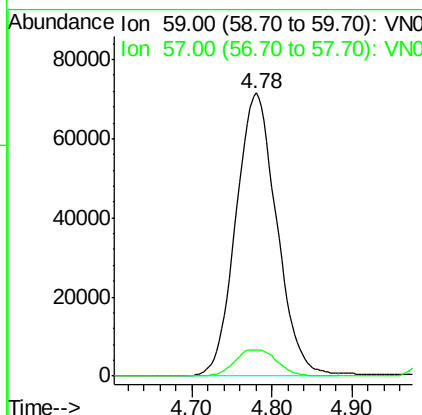
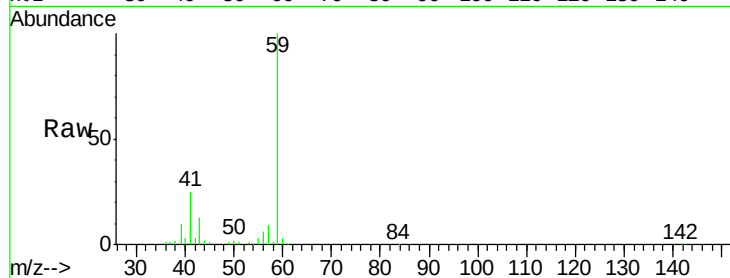
Tert butyl alcohol
 Concen: 540.403 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

Manual Integrations
 APPROVED

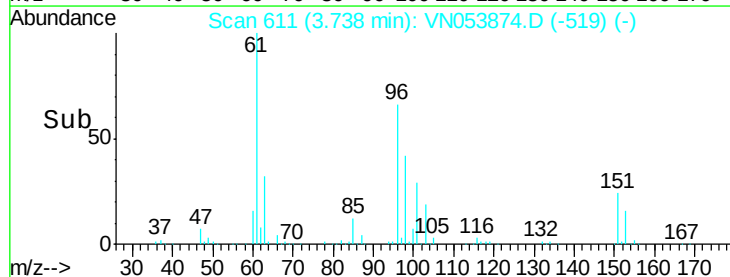
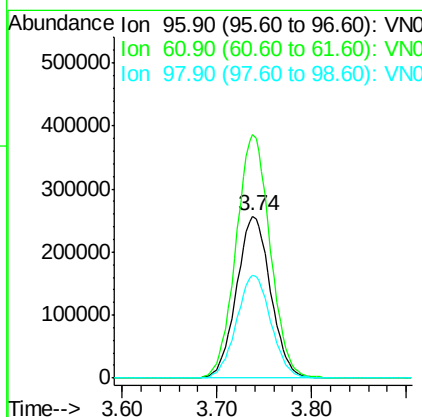
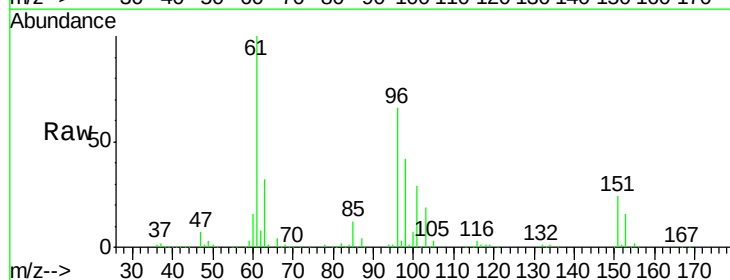
MMDadoda
 2/21/2019 10:52:05 AM

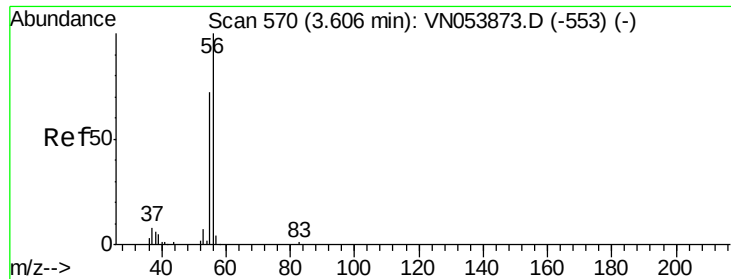


#12

1,1-Dichloroethene
 Concen: 96.042 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.4	121.0	181.4
98	63.5	52.2	78.2





#13

Acrolein

Concen: 306.023 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 100572

Ion Ratio Lower Upper

56 100

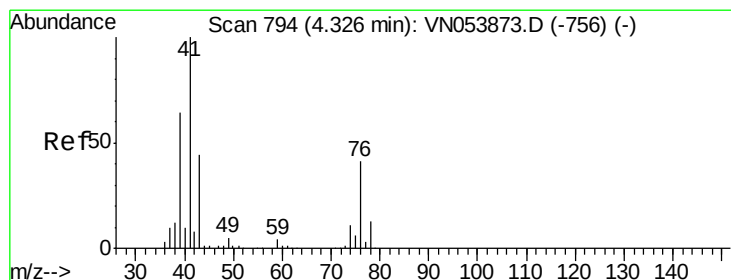
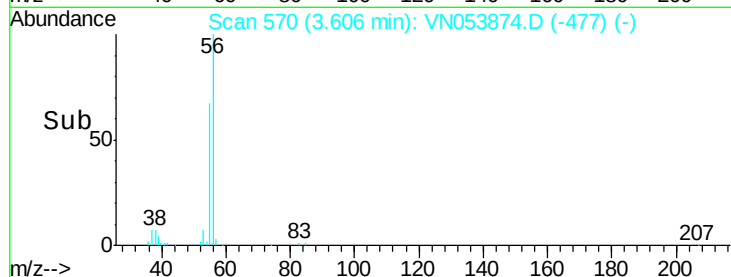
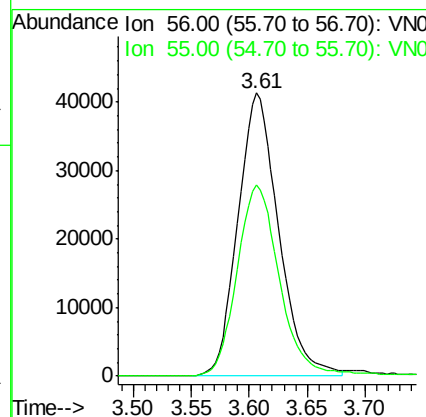
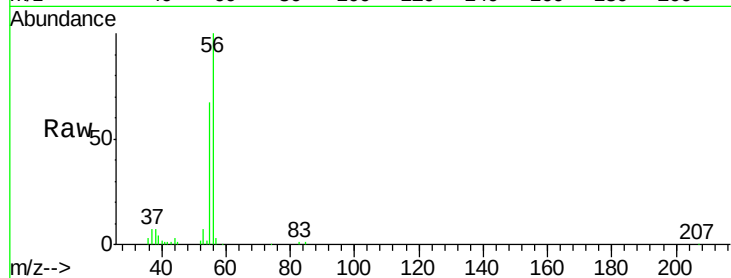
55 70.1 56.3 84.5

Manual Integrations

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MMDadoda

2/21/2019 10:52:05 AM



#14

Allyl chloride

Concen: 101.453 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

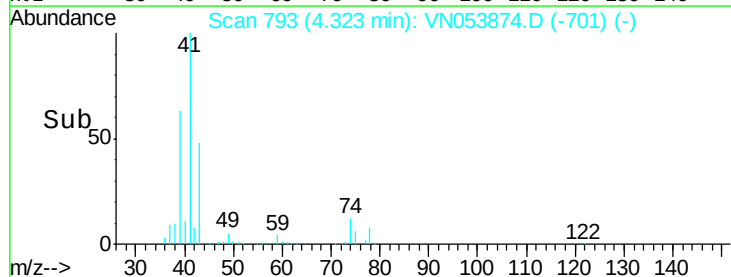
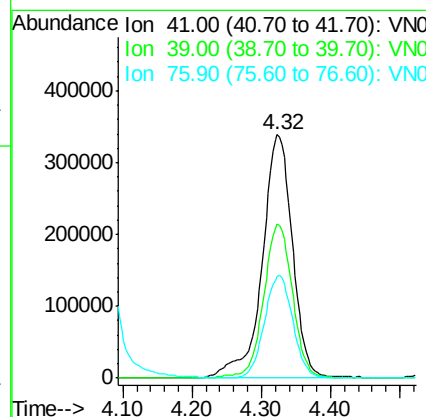
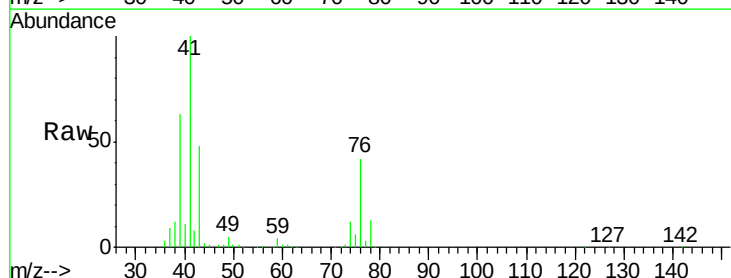
Tgt Ion: 41 Resp: 1026921

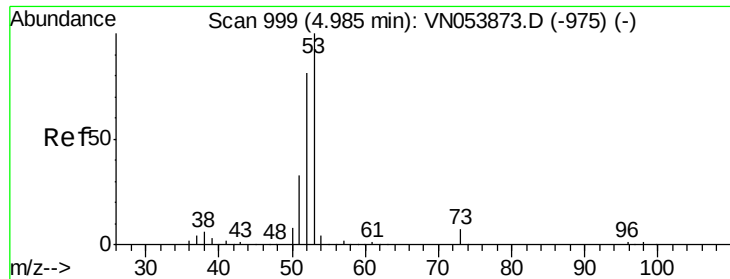
Ion Ratio Lower Upper

41 100

39 60.4 48.8 73.2

76 39.0 30.9 46.3





#15

Acrylonitrile

Concen: 526.750 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1220132

Ion Ratio Lower Upper

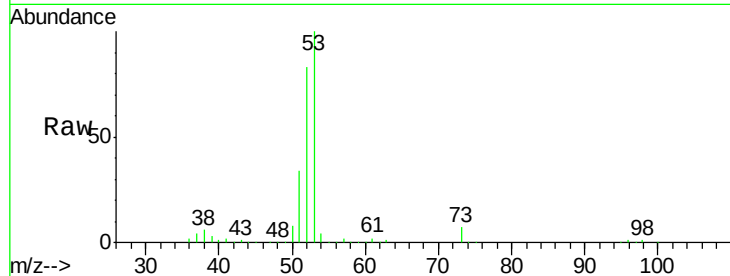
53 100

52 81.2 65.1 97.7

51 34.8 28.2 42.4

Manual Integrations
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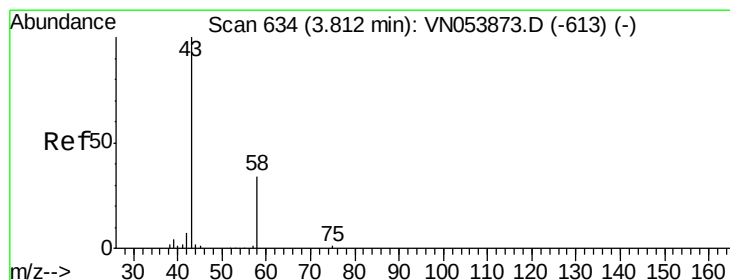
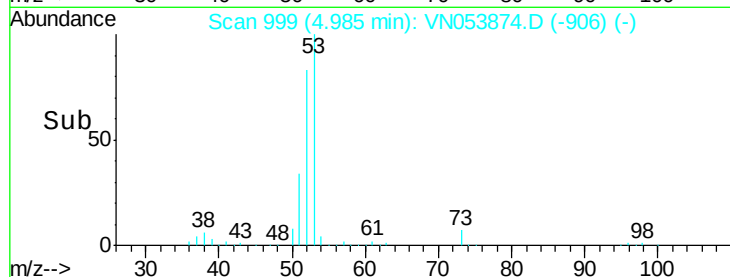
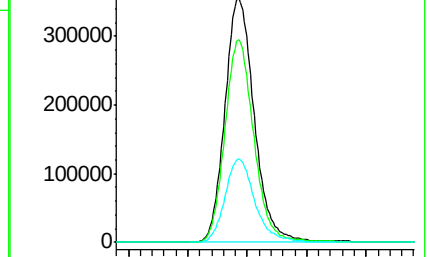
MMDadoda
2/21/2019 10:52:05 AM



Abundance Ion 53.00 (52.70 to 53.70): VN053874.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN053874.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN053874.D (-975) (-)



#16

Acetone

Concen: 470.655 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053874.D

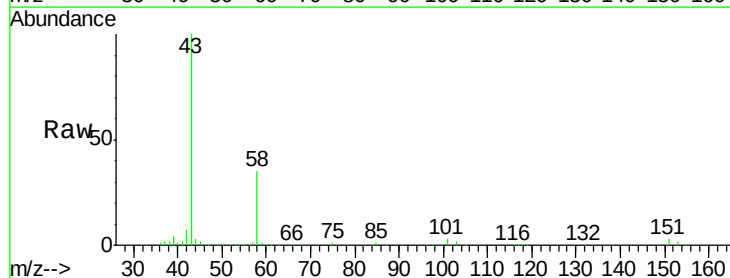
Acq: 20 Feb 2019 10:17

Tgt Ion: 43 Resp: 953389

Ion Ratio Lower Upper

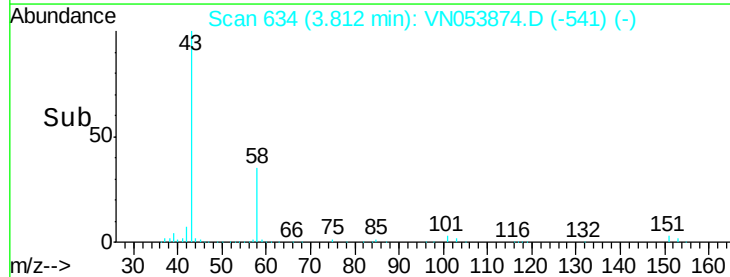
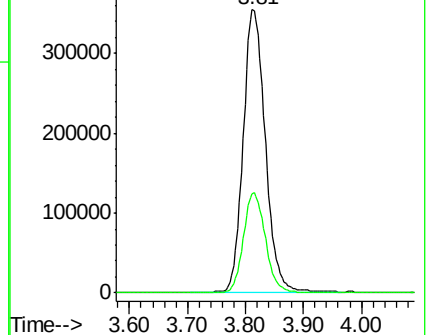
43 100

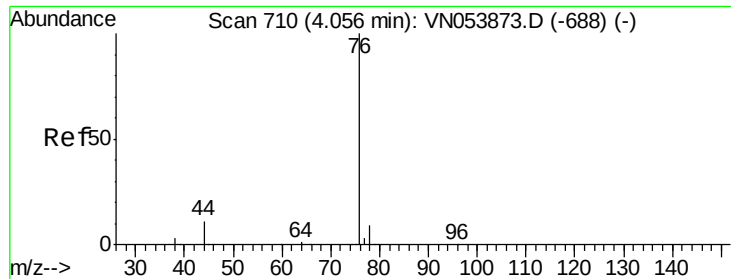
58 35.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053874.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053874.D (-541) (-)





#17

Carbon Disulfide

Concen: 96.638 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tot Ion: 76 Resp: 2001828

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

Instrument :

MSVOA_N

ClientSampleId :

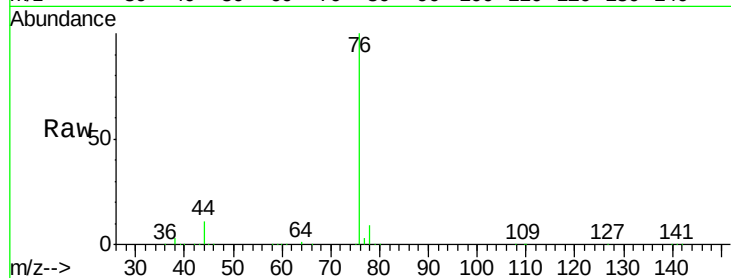
VSTDIC100

Manual Integrations

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MMDadoda

2/21/2019 10:52:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

800000

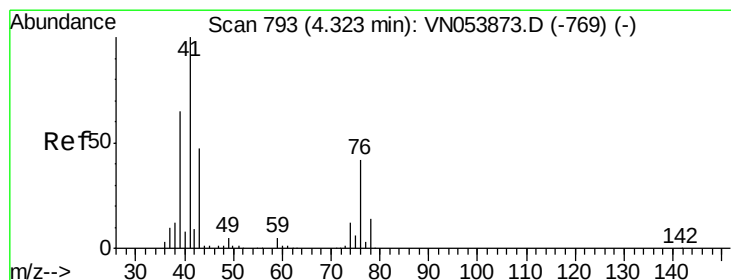
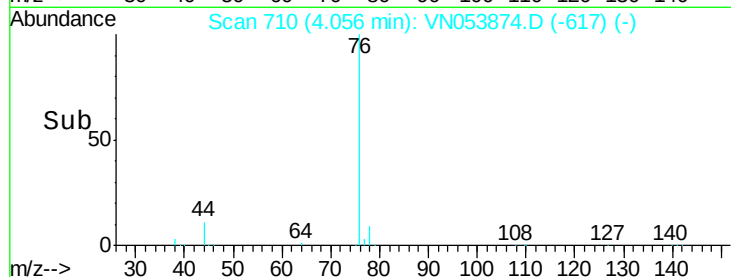
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 99.159 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053874.D

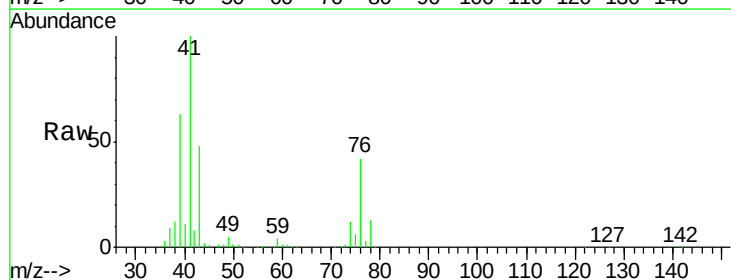
Acq: 20 Feb 2019 10:17

Tgt Ion: 43 Resp: 459359

Ion Ratio Lower Upper

43 100

74 25.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

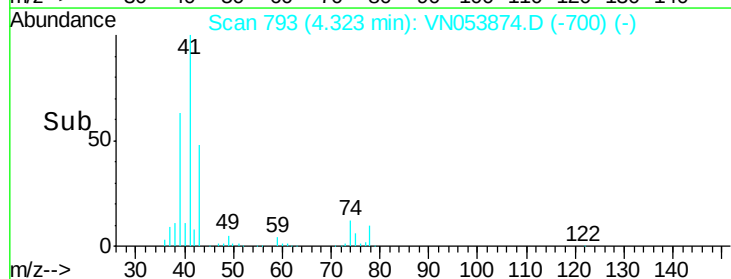
150000

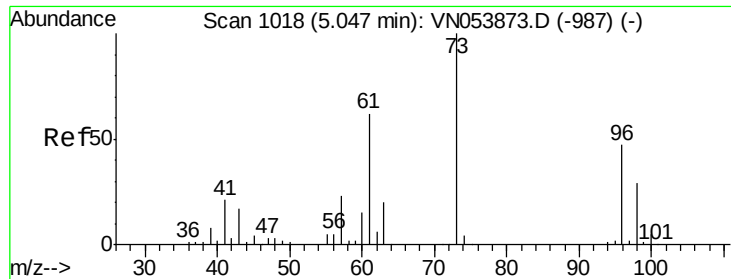
100000

50000

0

Time-->





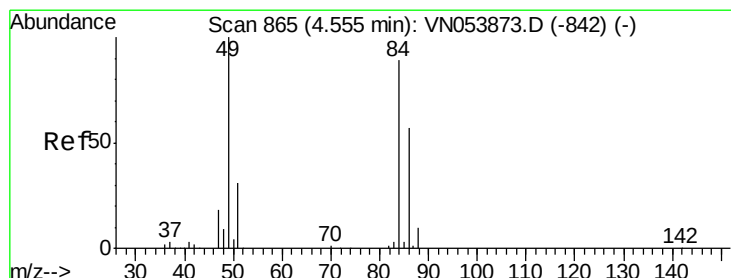
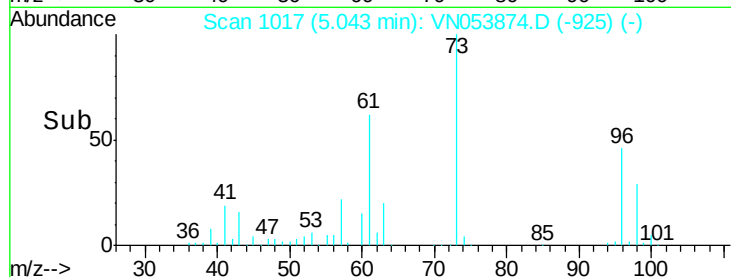
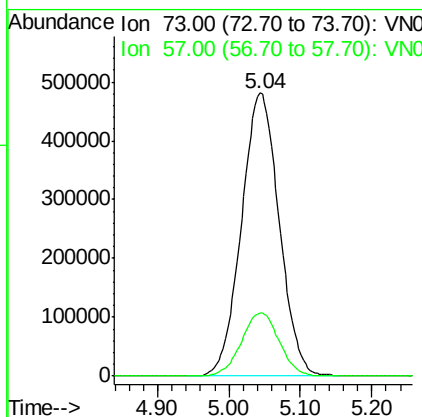
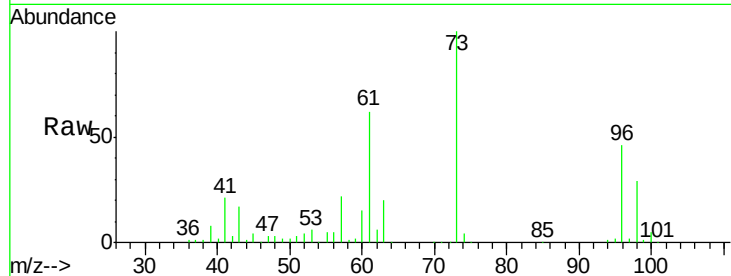
#19
Methyl tert-butyl Ether
Concen: 104.086 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1766214
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0

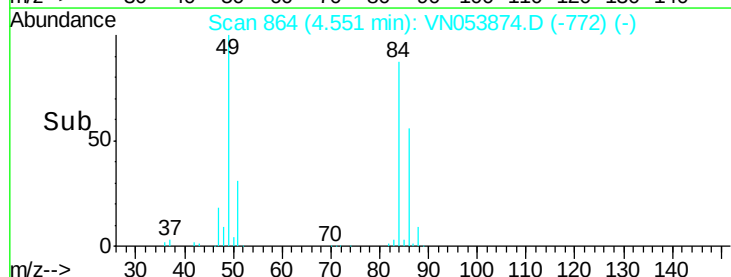
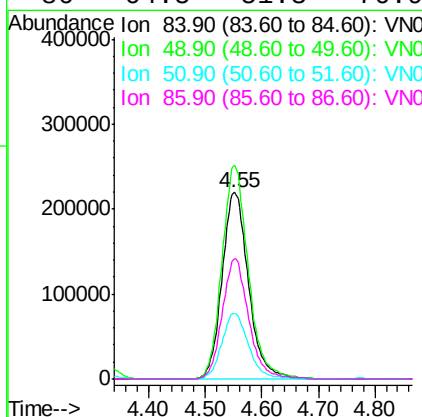
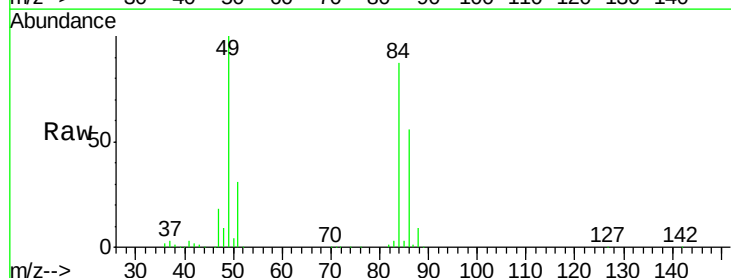
Manual Integrations
APPROVED

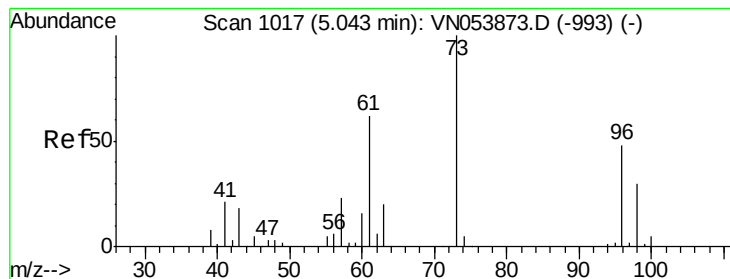
MMDadoda
2/21/2019 10:52:05 AM



#20
Methylene Chloride
Concen: 94.706 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion: 84 Resp: 718224
Ion Ratio Lower Upper
84 100
49 114.6 89.7 134.5
51 35.1 27.8 41.8
86 64.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 99.480 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 698292

Ion Ratio Lower Upper

96 100

61 135.0 104.5 156.7

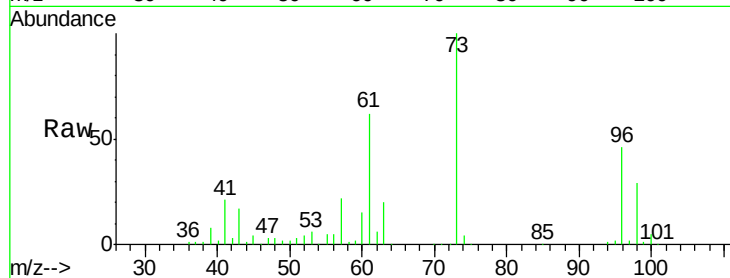
98 64.3 50.6 76.0

Manual Integrations

APPROVED

MMDadoda

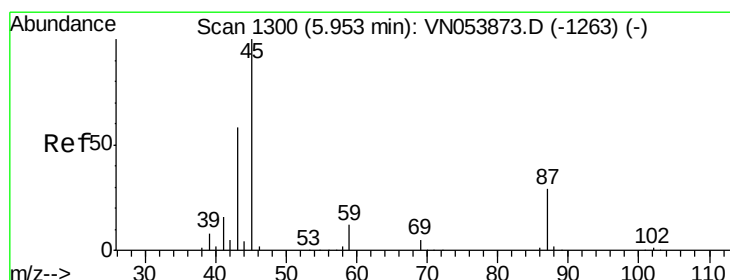
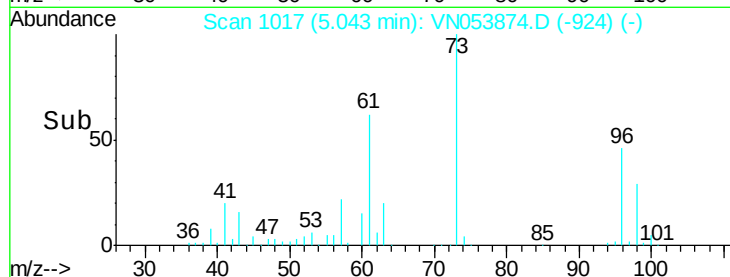
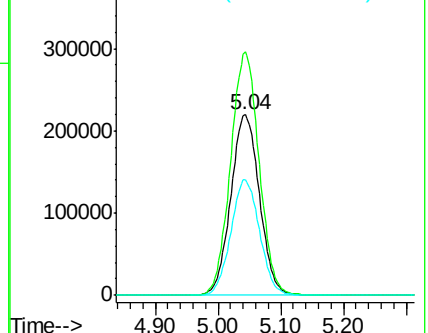
2/21/2019 10:52:05 AM



Abundance Ion 95.90 (95.60 to 96.60): VN053874.D (-924) (-)

Ion 60.90 (60.60 to 61.60): VN053874.D (-924) (-)

Ion 97.90 (97.60 to 98.60): VN053874.D (-924) (-)



#22

Diisopropyl ether

Concen: 107.634 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tgt Ion: 45 Resp: 2030936

Ion Ratio Lower Upper

45 100

43 57.3 46.2 69.4

87 28.8 23.4 35.0

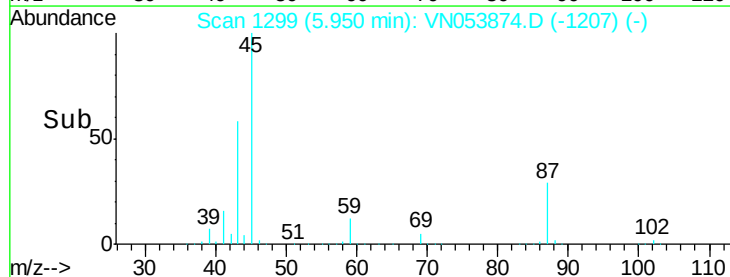
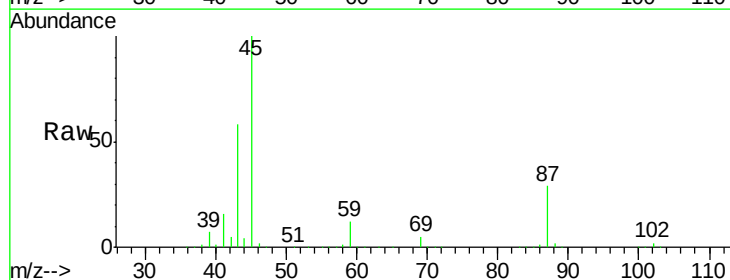
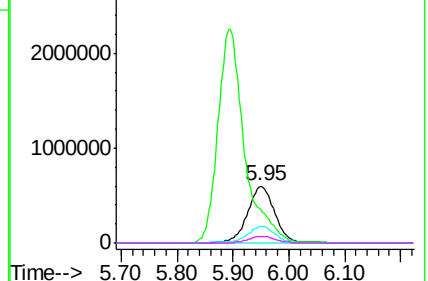
59 11.5 9.4 14.0

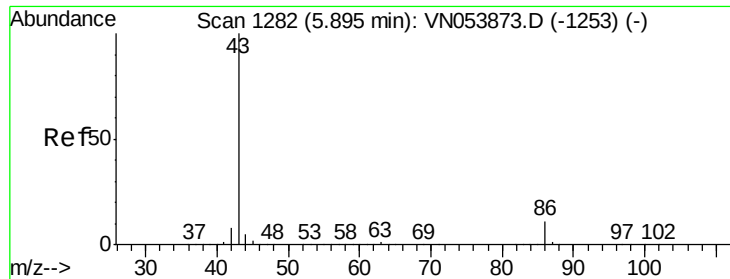
Abundance Ion 45.00 (44.70 to 45.70): VN053874.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN053874.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN053874.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN053874.D (-1207) (-)





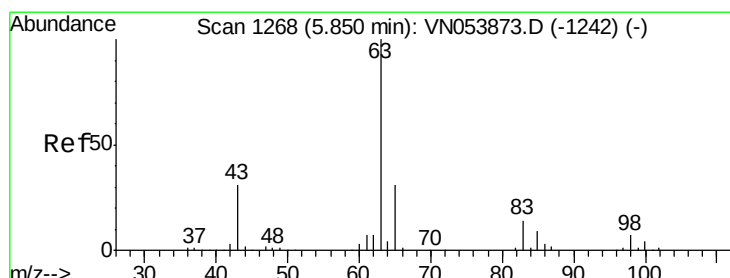
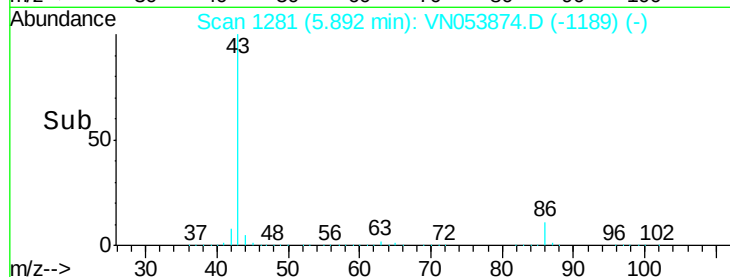
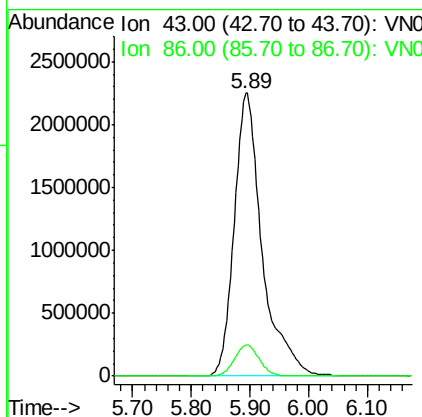
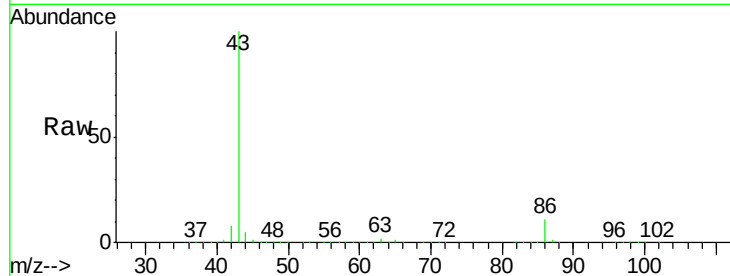
#23
 Vinyl Acetate
 Concen: 557.854 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 7469904
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.1 13.7

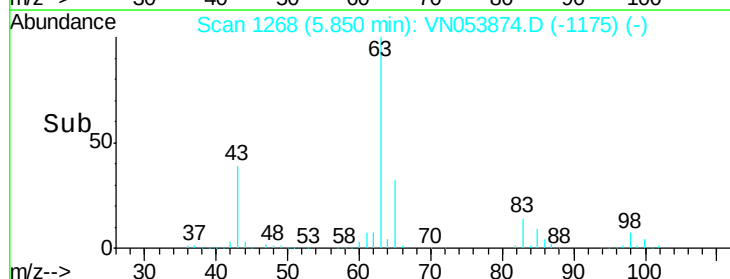
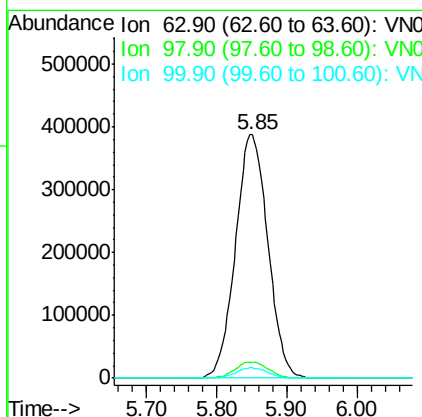
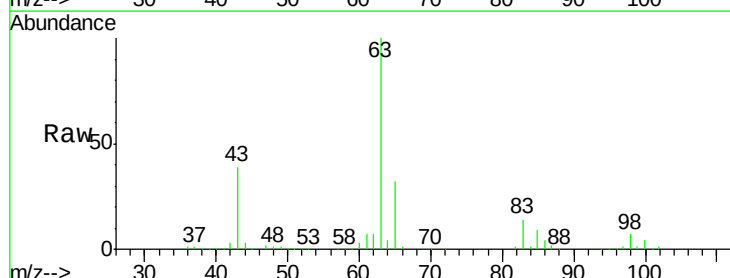
Manual Integrations
 APPROVED

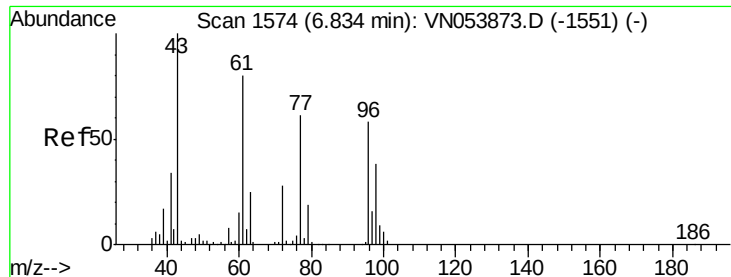
MMDadoda
 2/21/2019 10:52:05 AM



#24
 1,1-Dichloroethane
 Concen: 97.220 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion: 63 Resp: 1242012
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 523.432 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1368187

Ion Ratio Lower Upper

43 100

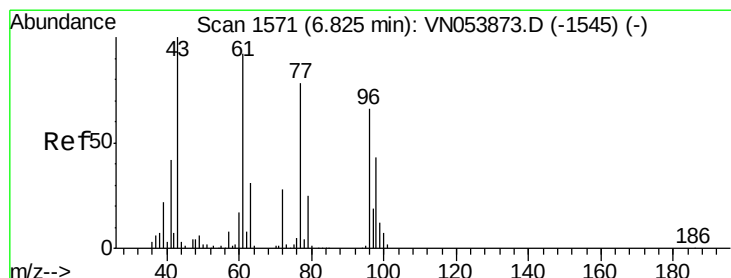
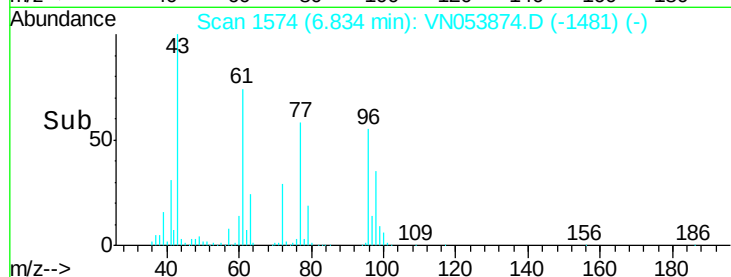
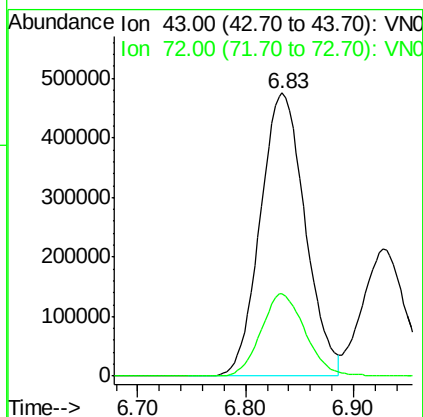
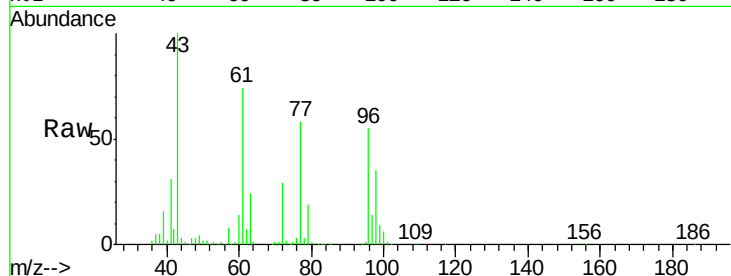
72 29.2 22.1 33.1

Manual Integrations

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MMDadoda

2/21/2019 10:52:05 AM



#26

2,2-Dichloropropane

Concen: 97.105 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053874.D

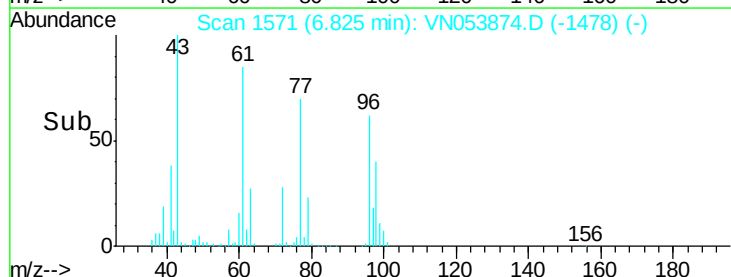
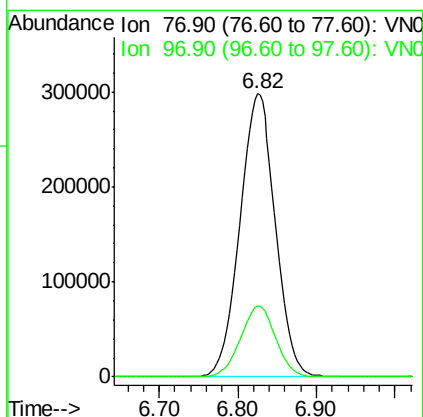
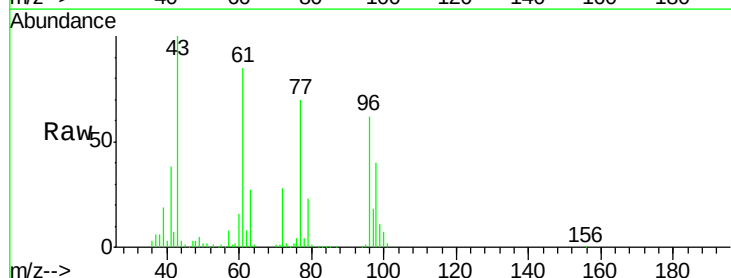
Acq: 20 Feb 2019 10:17

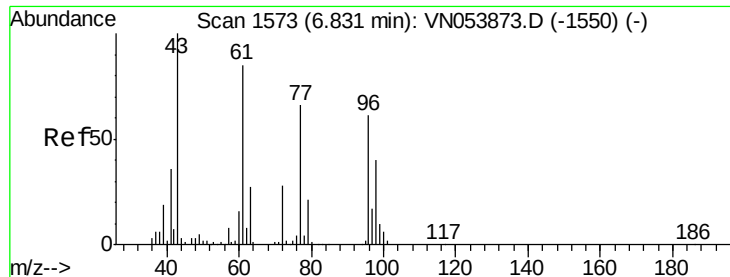
Tgt Ion: 77 Resp: 941368

Ion Ratio Lower Upper

77 100

97 24.9 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 99.744 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

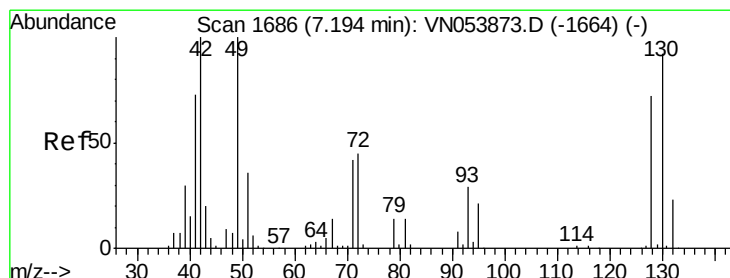
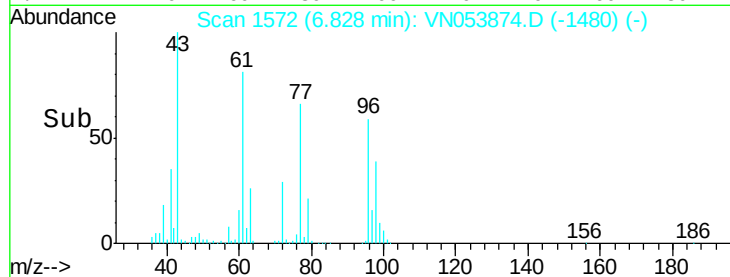
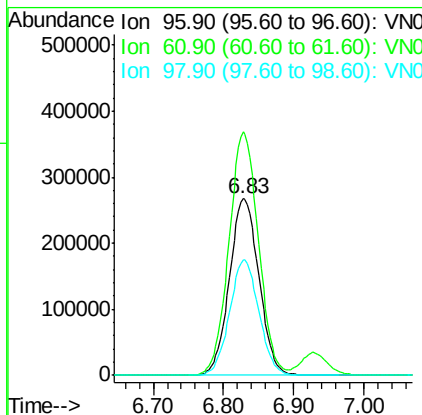
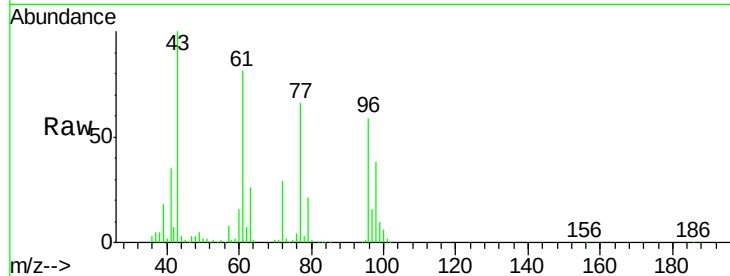
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	784344
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	275.6
98	64.7	0.0	130.0

Manual Integrations
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2/21/2019 10:52:05 AM



#28

Bromochloromethane

Concen: 98.856 ug/l

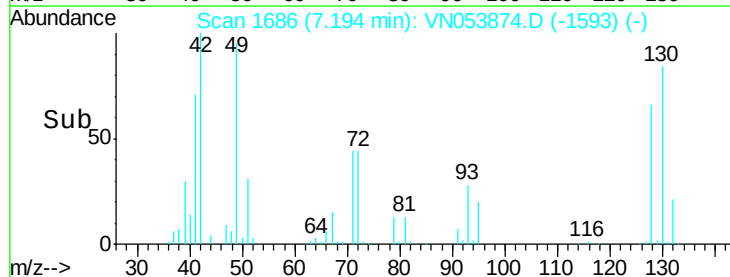
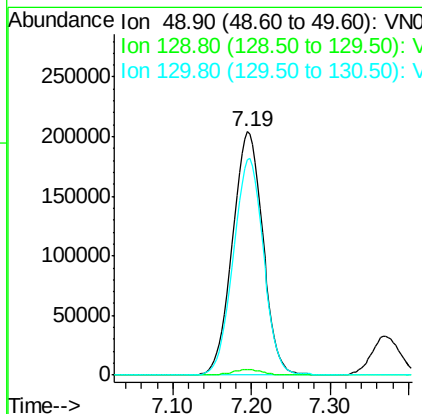
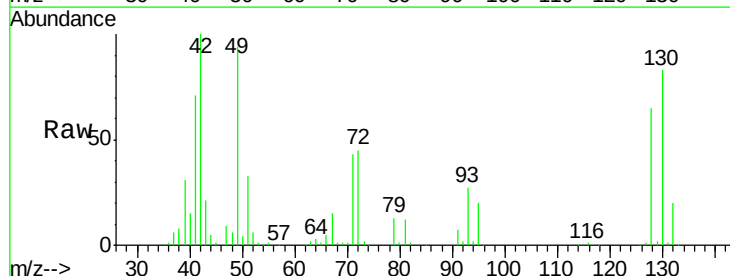
RT: 7.19 min Scan# 1686

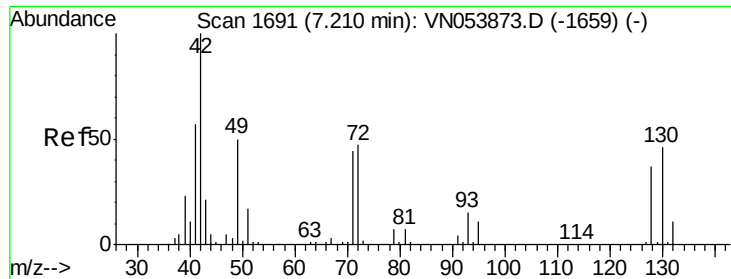
Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tgt Ion:	49	Resp:	551183
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	88.4	72.9	109.3





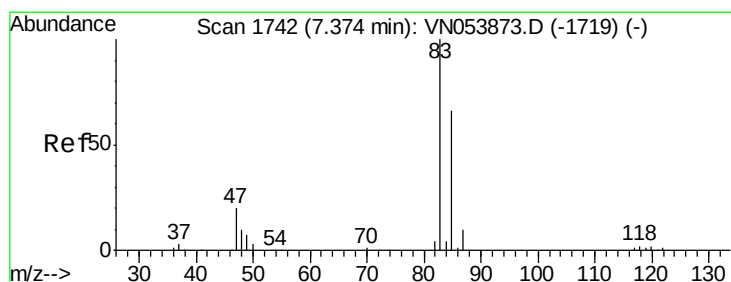
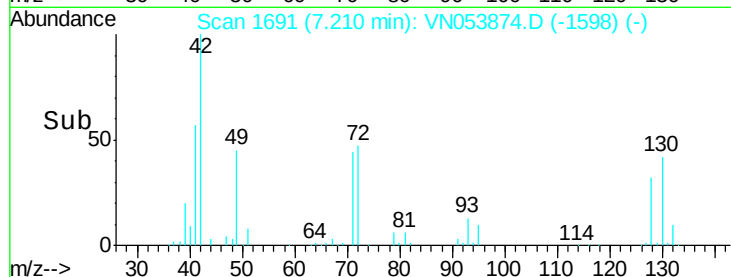
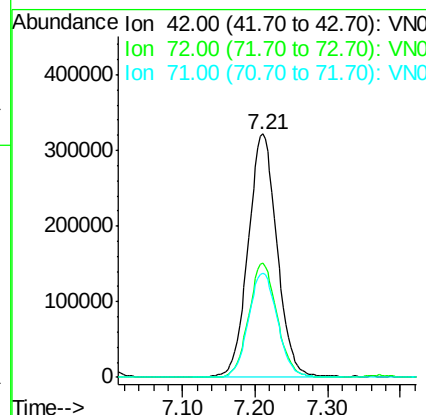
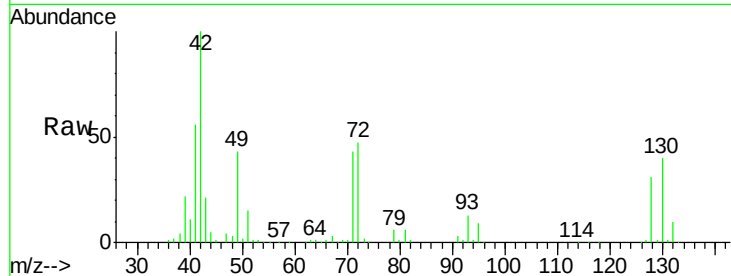
#29
Tetrahydrofuran
Concen: 527.309 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.9	55.3
71	43.1	34.6	52.0

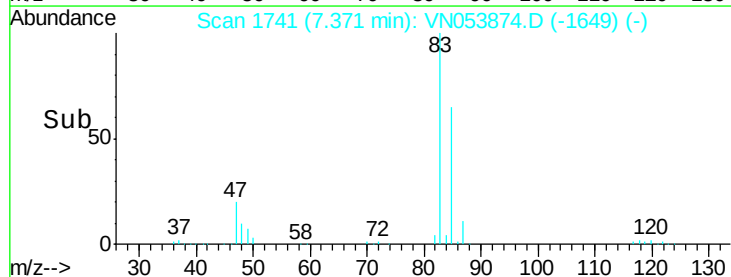
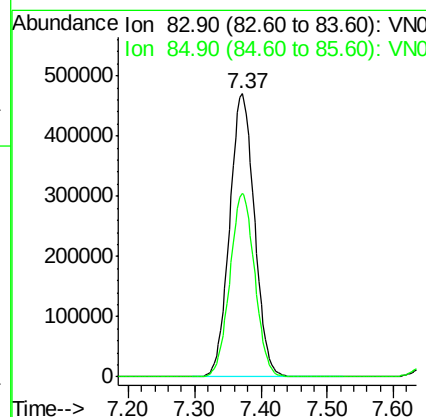
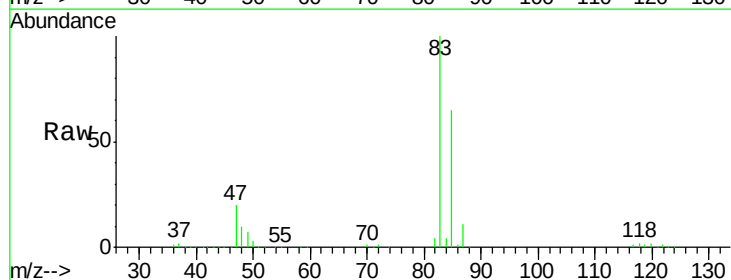
Manual Integrations
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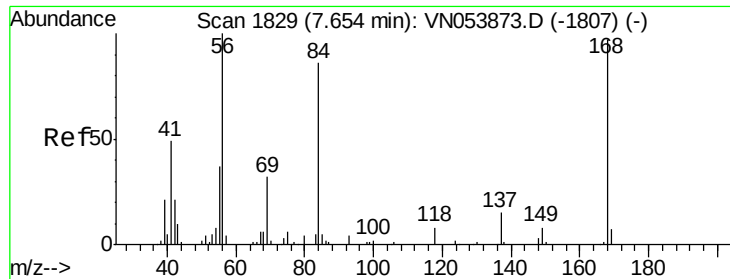
MMDadoda
2/21/2019 10:52:05 AM



#30
Chloroform
Concen: 95.382 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	78.8





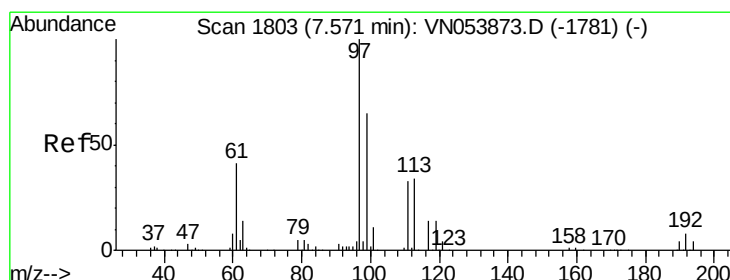
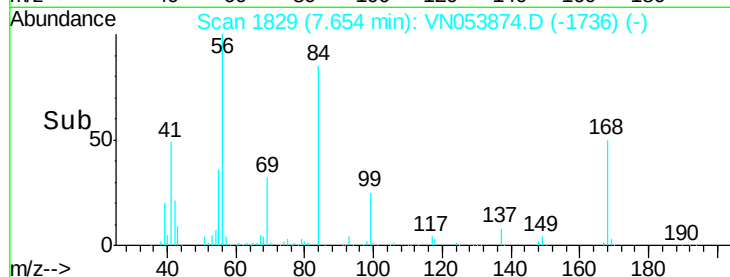
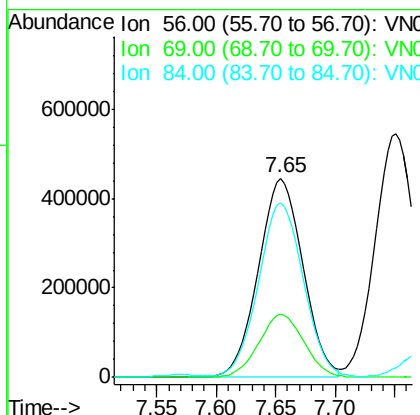
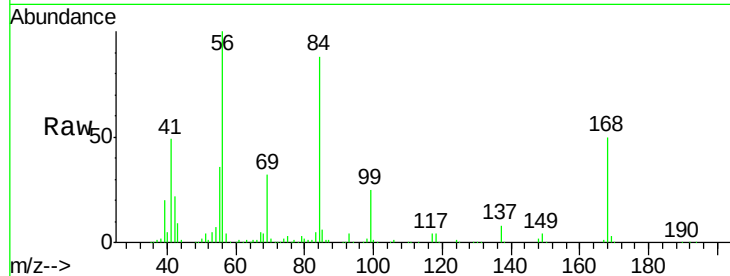
#31
Cyclohexane
Concen: 86.662 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 1154693
Ion Ratio Lower Upper
56 100
69 31.6 26.0 39.0
84 86.5 69.1 103.7

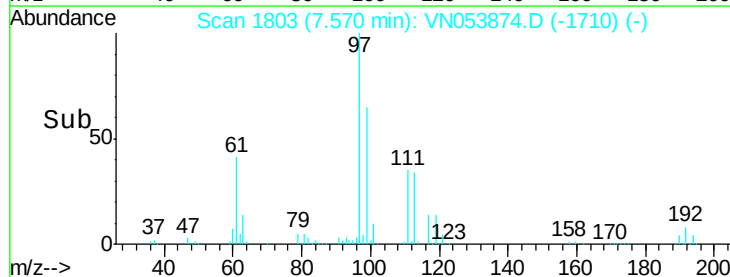
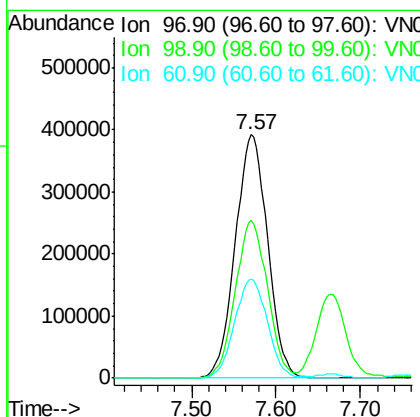
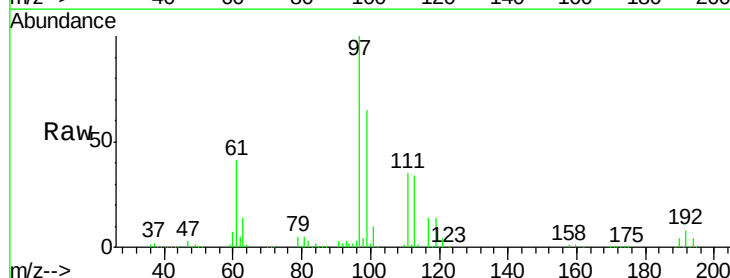
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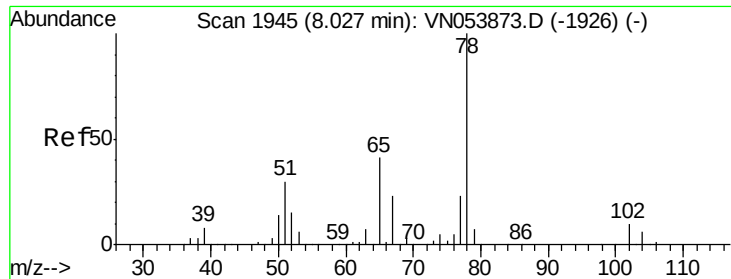
MMDadoda
2/21/2019 10:52:05 AM



#32
1,1,1-Trichloroethane
Concen: 95.430 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion: 97 Resp: 1048109
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.8
61 41.3 33.2 49.8





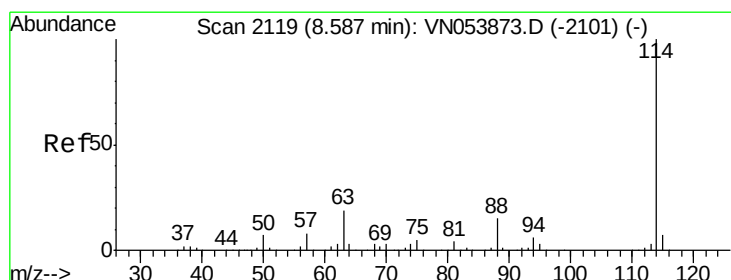
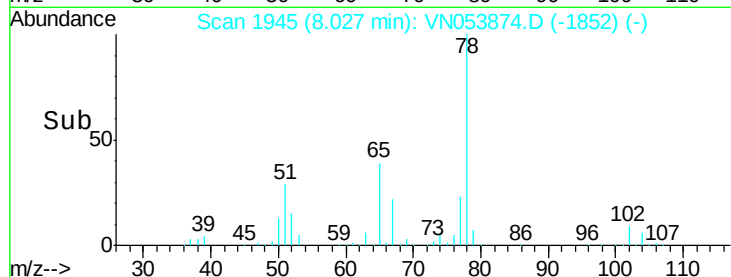
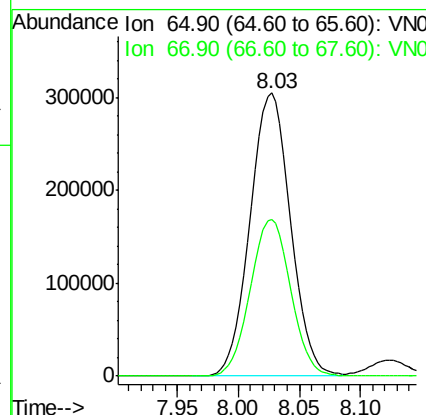
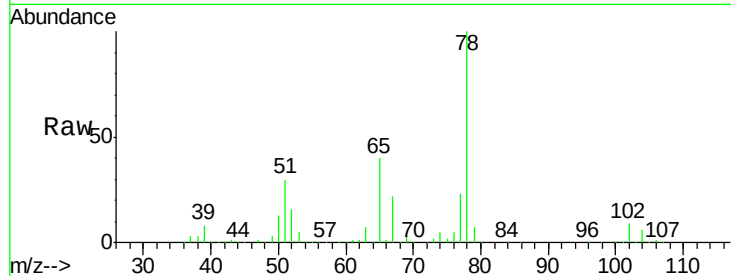
#33
 1,2-Dichloroethane-d4
 Concen: 94.987 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	699630		
67	55.5	0.0	111.8	

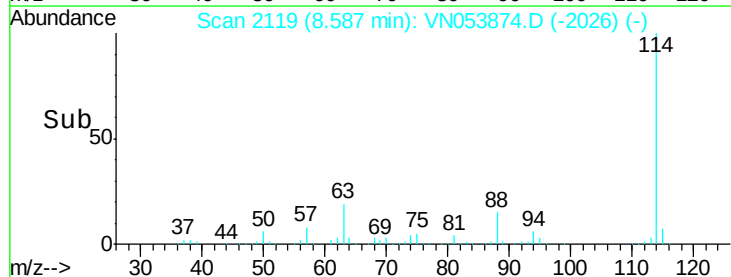
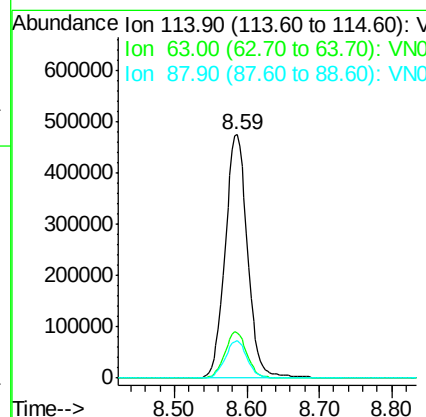
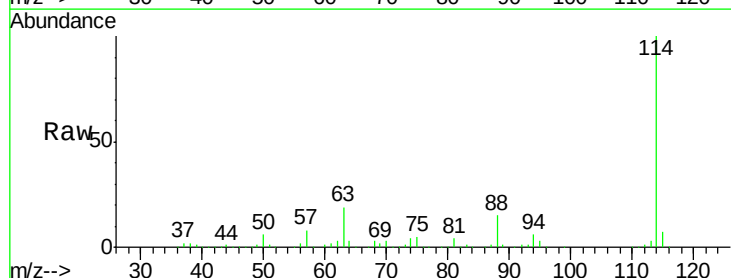
Manual Integrations
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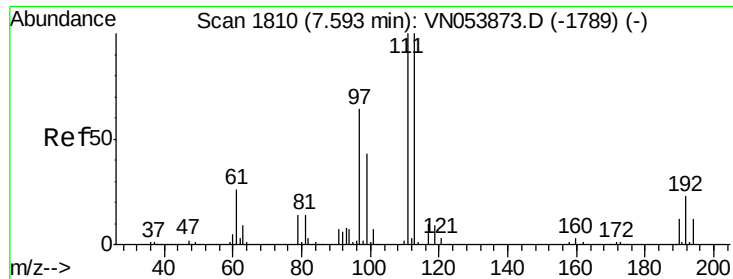
MMDadoda
 2/21/2019 10:52:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1017498		
63	18.6	0.0	37.4	
88	15.2	0.0	30.4	





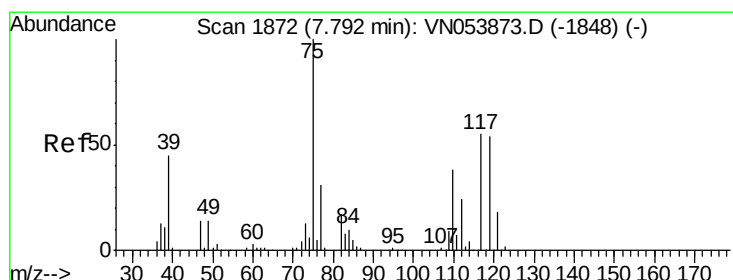
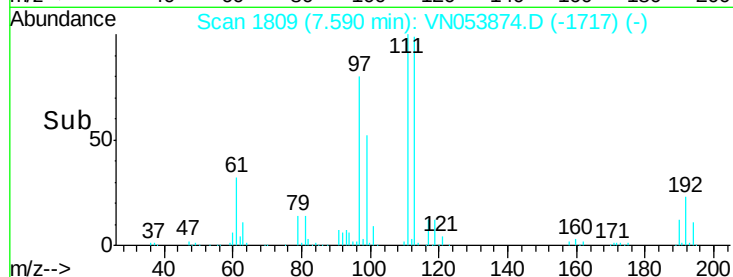
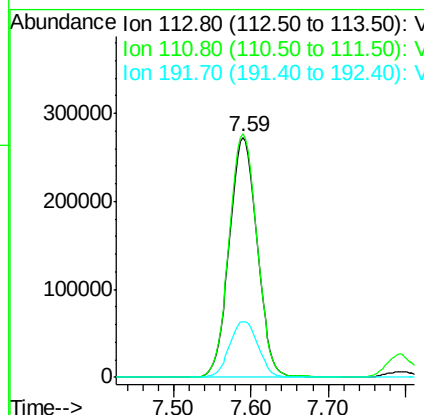
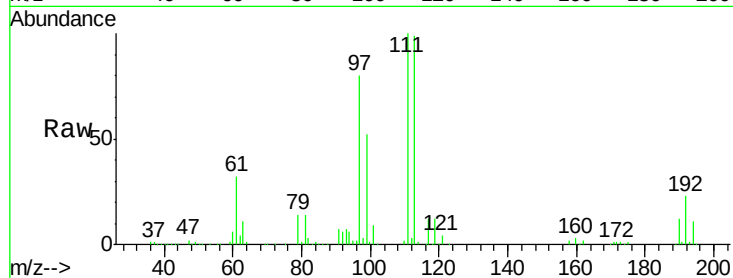
#35
 Dibromofluoromethane
 Concen: 102.100 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	681790		
111	102.0		81.1	121.7
192	23.7		18.8	28.2

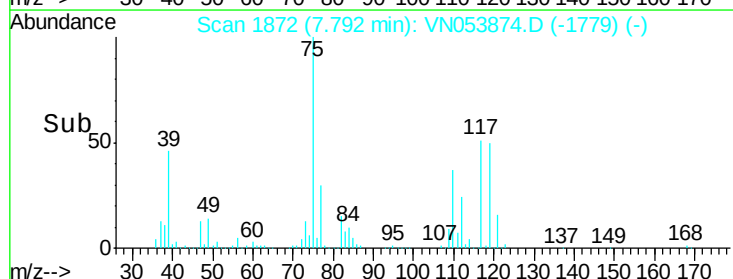
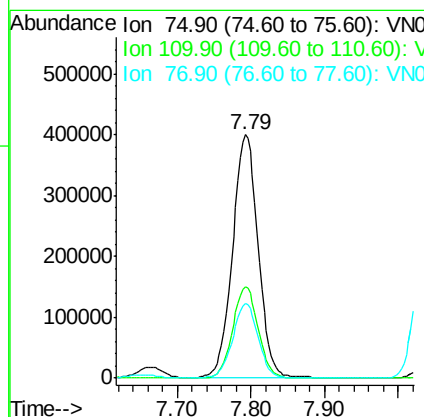
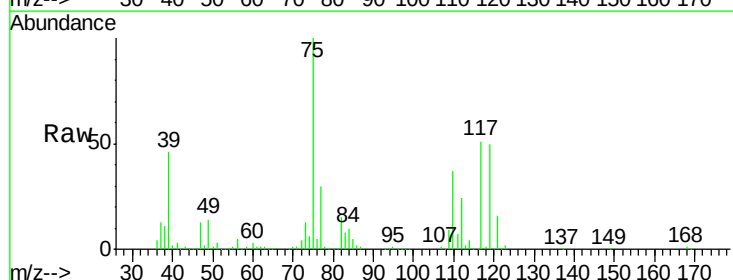
Manual Integrations
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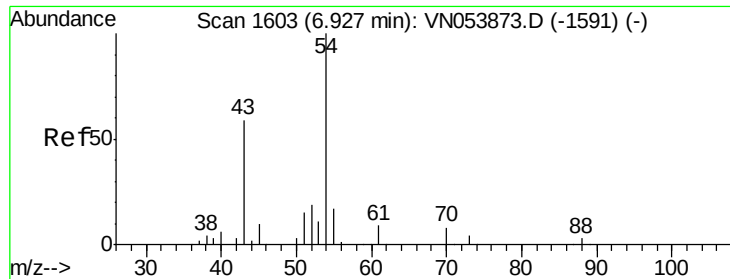
MMDadoda
 2/21/2019 10:52:05 AM



#36
 1,1-Dichloropropene
 Concen: 103.288 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	963321		
110	37.3		19.0	57.0
77	30.6		25.4	38.0





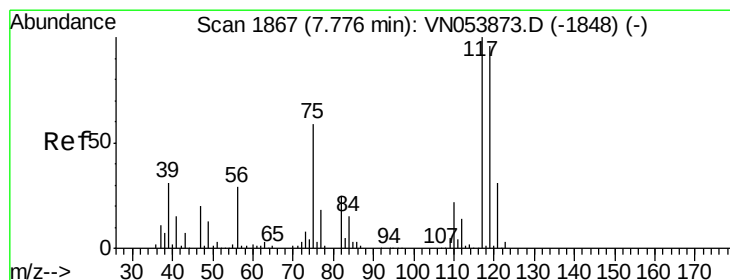
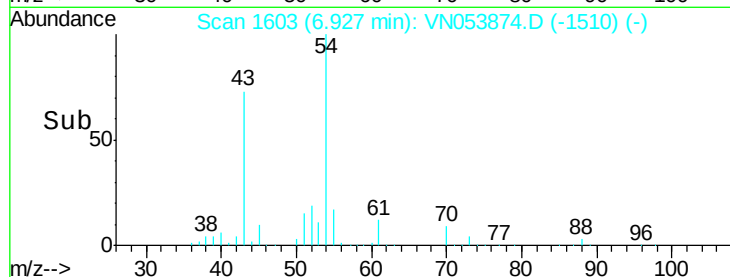
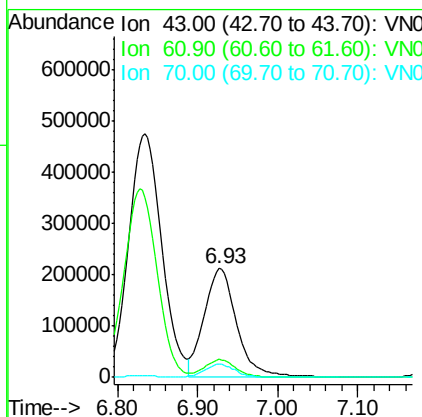
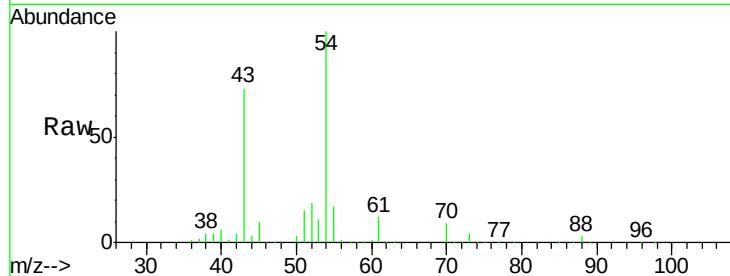
#37
Ethyl Acetate
Concen: 115.758 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
70	11.5	8.7	13.1

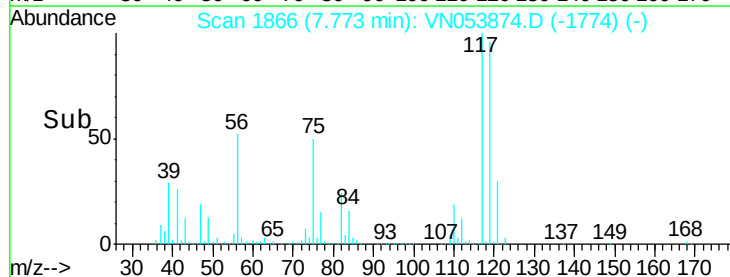
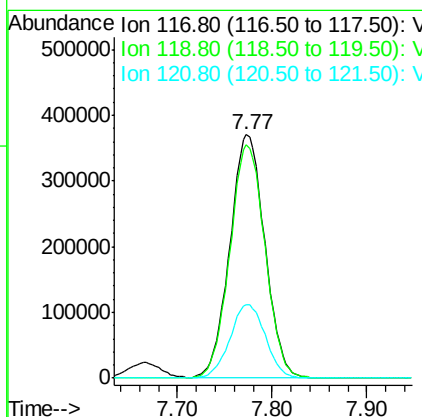
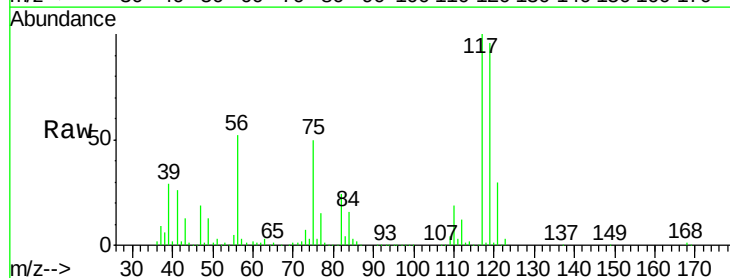
Manual Integrations
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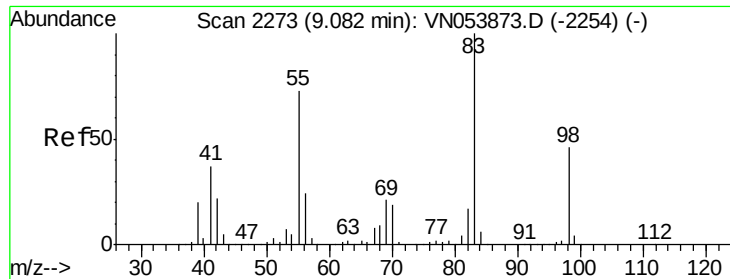
MMDadoda
2/21/2019 10:52:05 AM



#38
Carbon Tetrachloride
Concen: 95.051 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.2
121	30.2	24.6	36.8





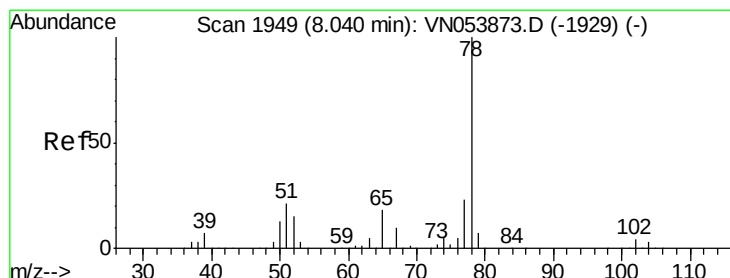
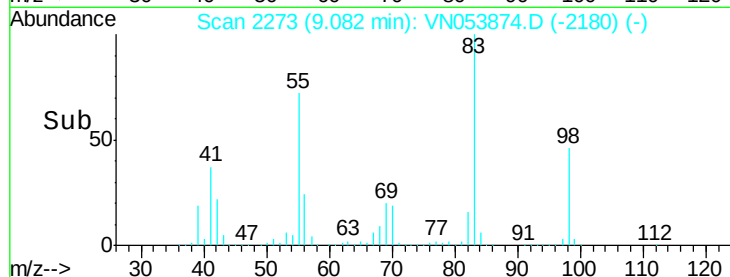
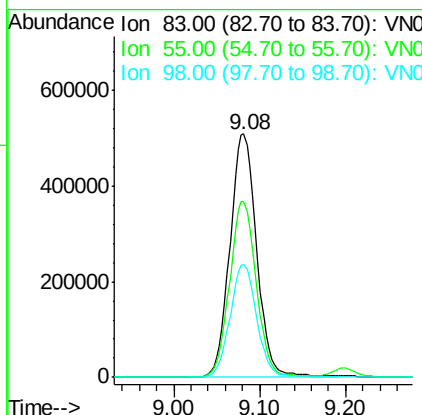
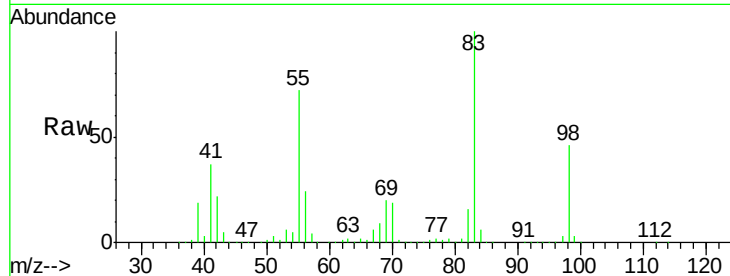
#39
Methylvlcyclohexane
Concen: 102.548 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1102073
Ion Ratio Lower Upper
83 100
55 72.0 58.2 87.4
98 46.4 37.2 55.8

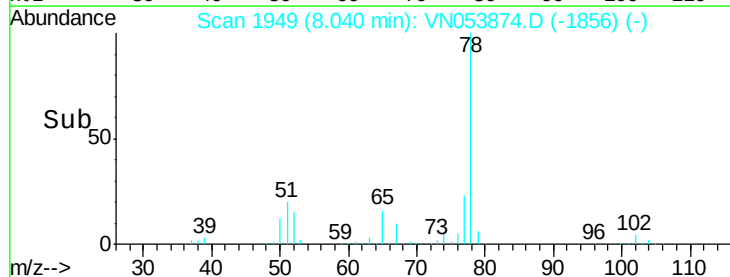
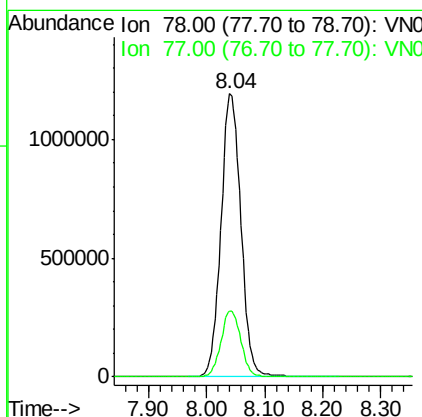
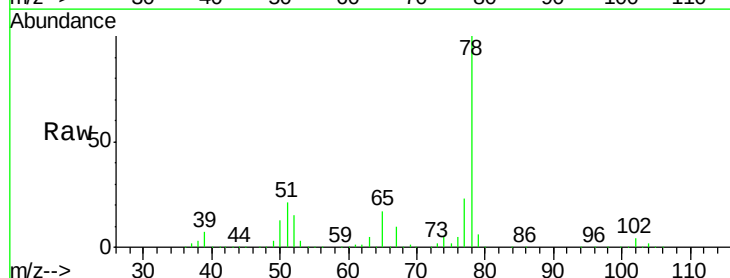
Manual Integrations
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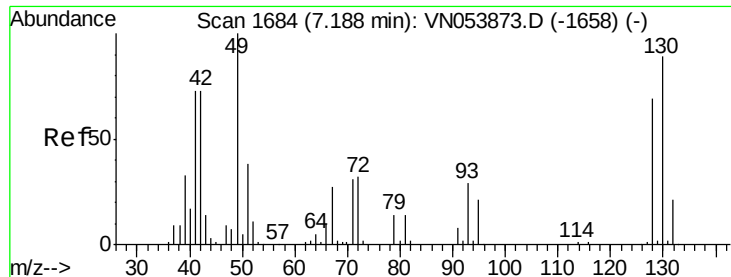
MMDadoda
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#40
Benzene
Concen: 103.517 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion: 78 Resp: 2854171
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2





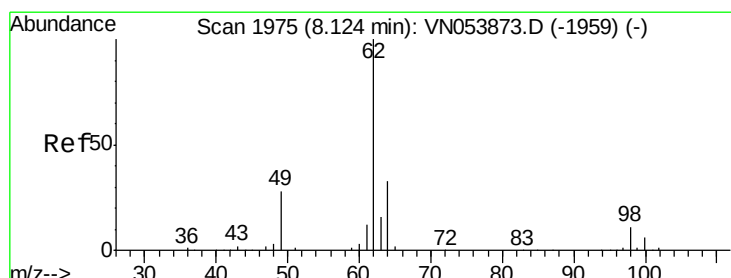
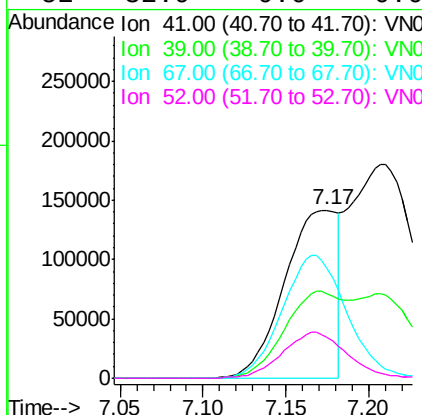
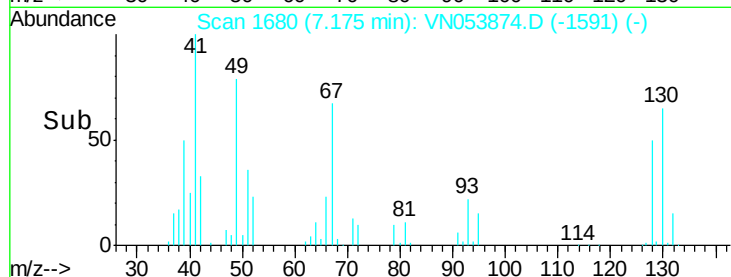
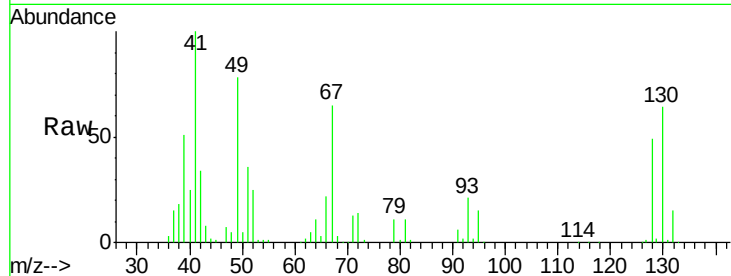
#41
Methacrylonitrile
Concen: 95.859 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.5	0.0	0.0#
67	89.4	0.0	0.0#
52	32.9	0.0	0.0#

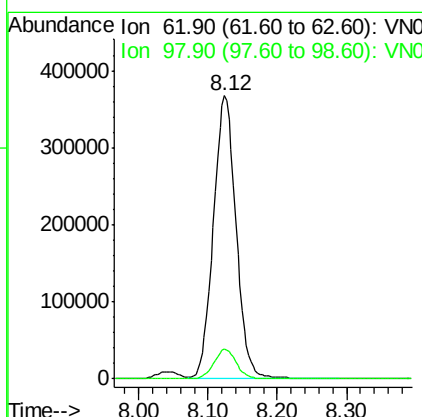
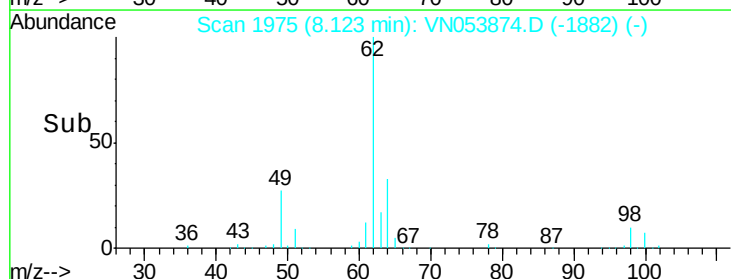
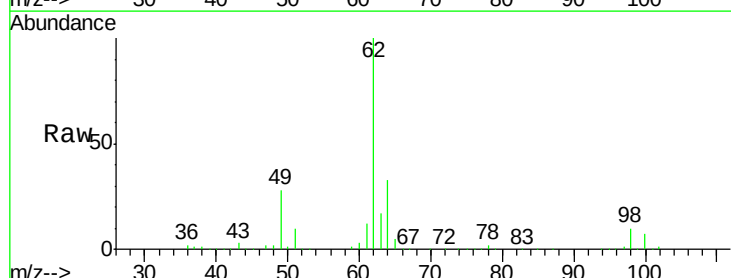
Manual Integrations
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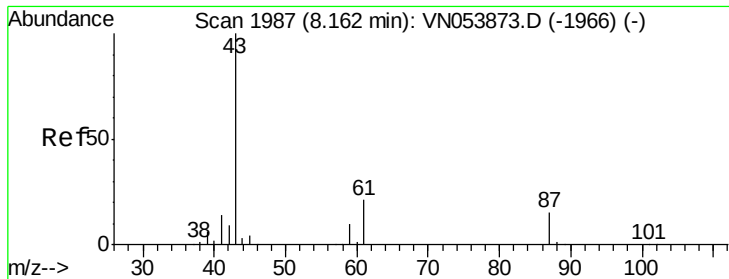
MMDadoda
2/21/2019 10:52:05 AM



#42
1,2-Dichloroethane
Concen: 101.128 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.8





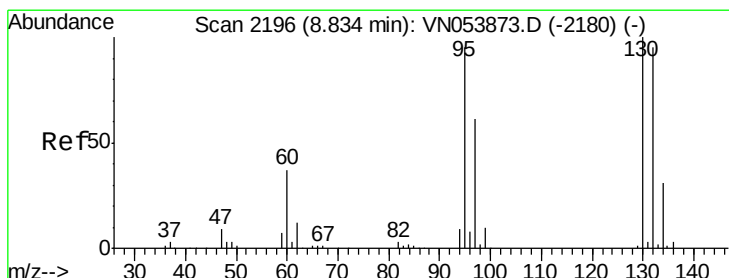
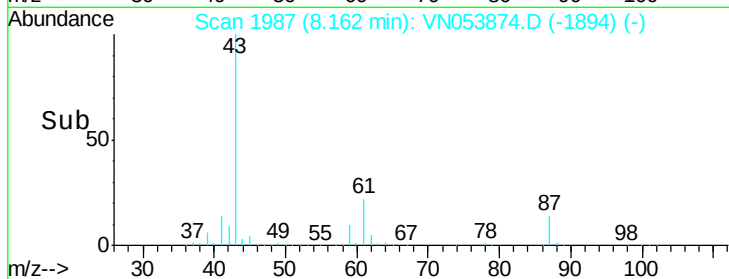
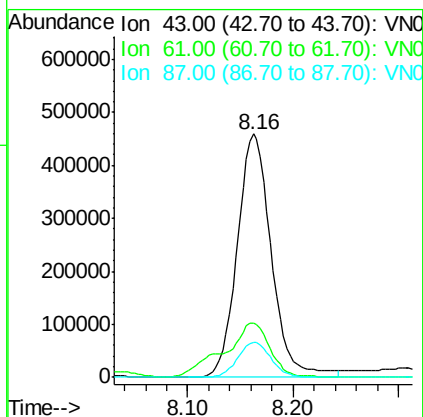
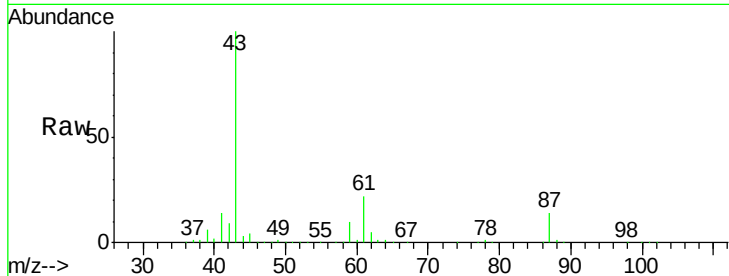
#43
Isopropyl Acetate
Concen: 103.469 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1029332
Ion Ratio Lower Upper
43 100
61 30.3 17.4 26.0#
87 14.3 11.5 17.3

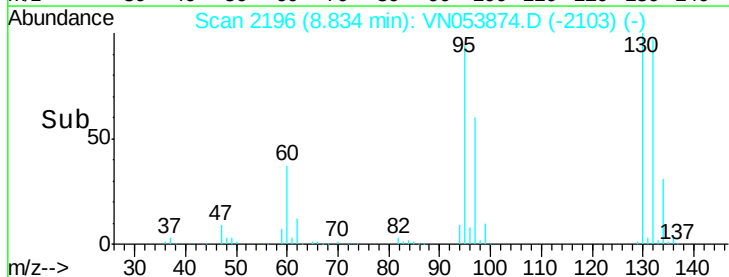
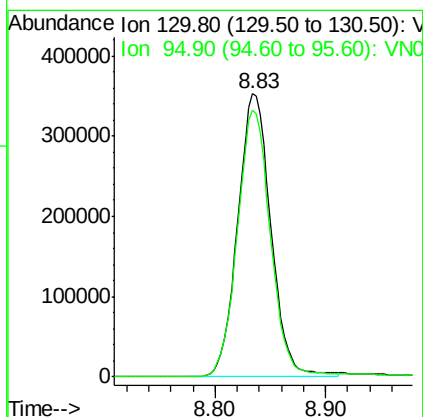
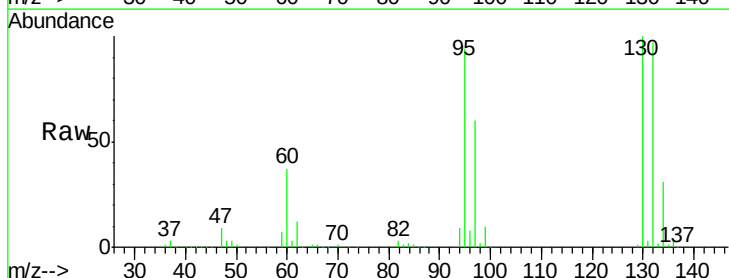
Manual Integrations
APPROVED

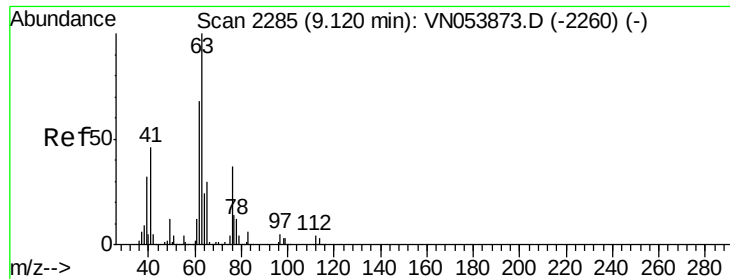
MMDadoda
2/21/2019 10:52:05 AM



#44
Trichloroethene
Concen: 95.496 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion:130 Resp: 737076
Ion Ratio Lower Upper
130 100
95 94.4 0.0 190.0





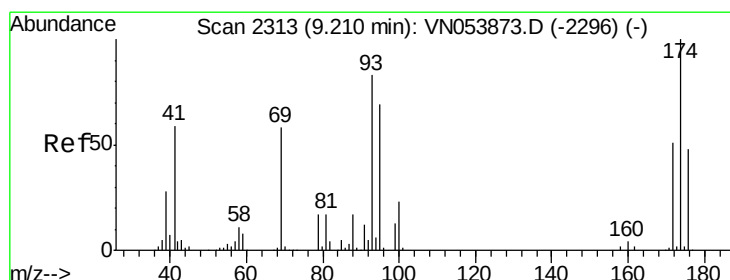
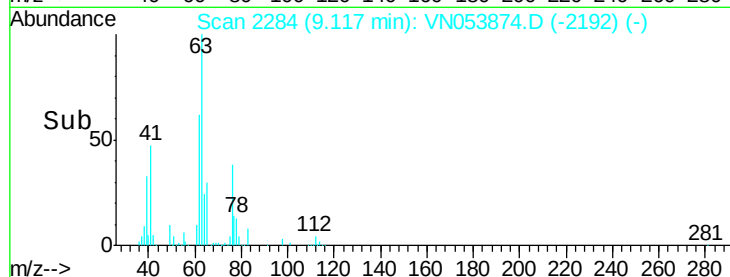
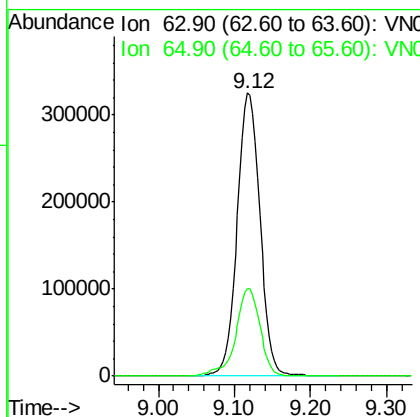
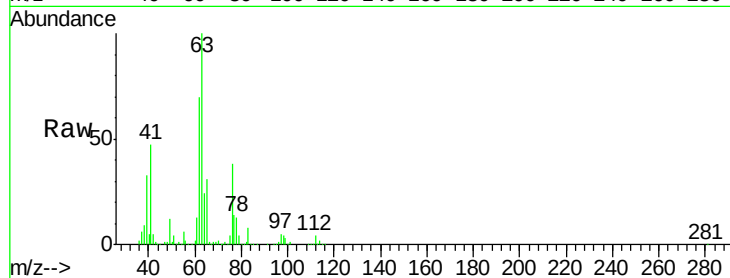
#45
 1,2-Dichloropropane
 Concen: 96.382 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 678452
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5

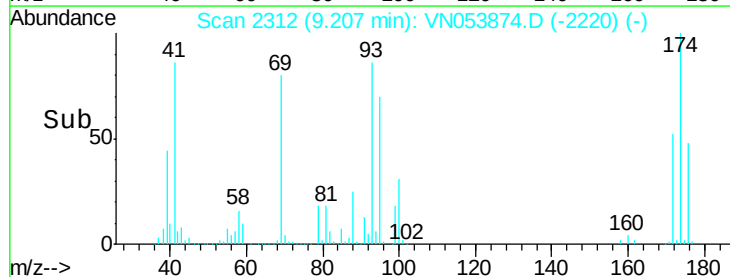
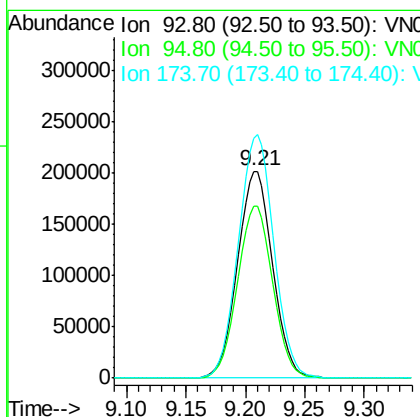
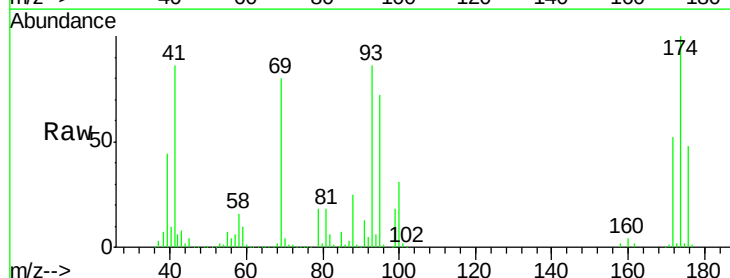
Manual Integrations
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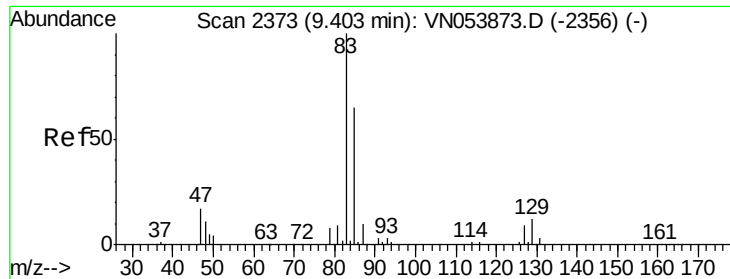
MMDadoda
 2/21/2019 10:52:05 AM



#46
 Dibromomethane
 Concen: 97.278 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion: 93 Resp: 412308
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 119.2 96.2 144.4





#47

Bromodichloromethane

Concen: 96.427 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

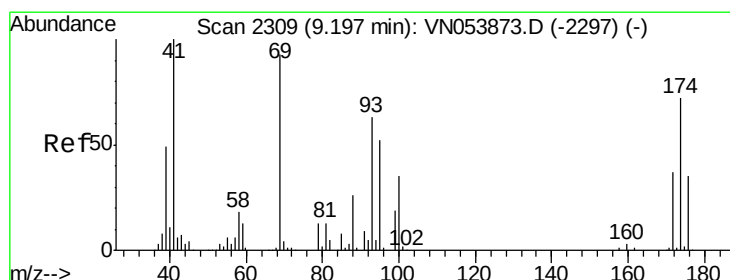
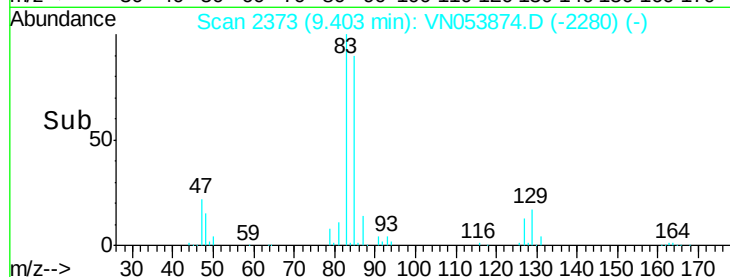
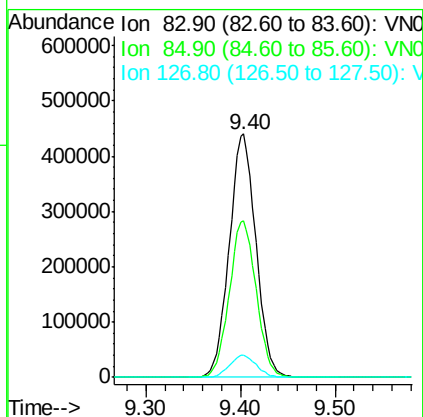
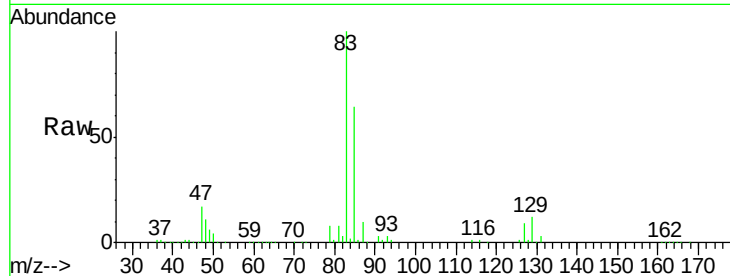
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	862184
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.8	77.6
127	9.2	7.4	11.0

Manual Integrations
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MMDadoda
2/21/2019 10:52:05 AM



#48

Methyl methacrylate

Concen: 100.750 ug/l

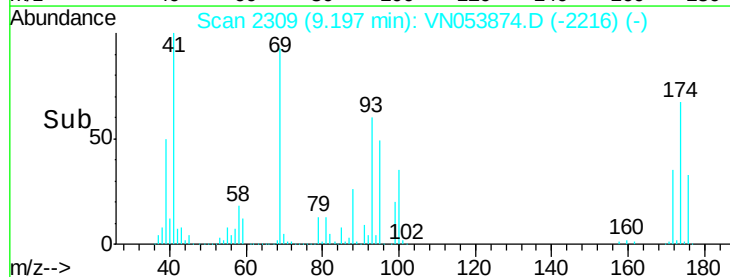
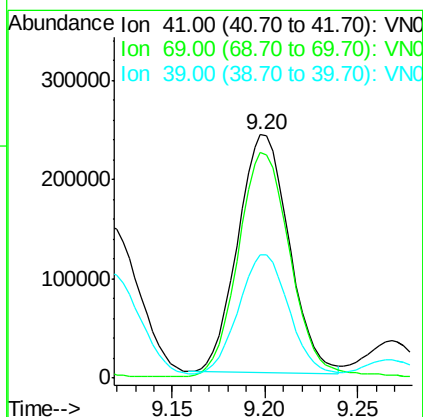
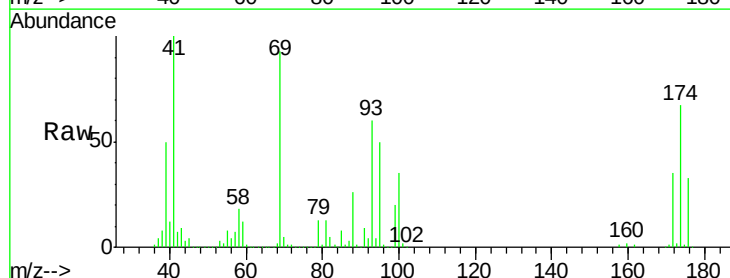
RT: 9.20 min Scan# 2309

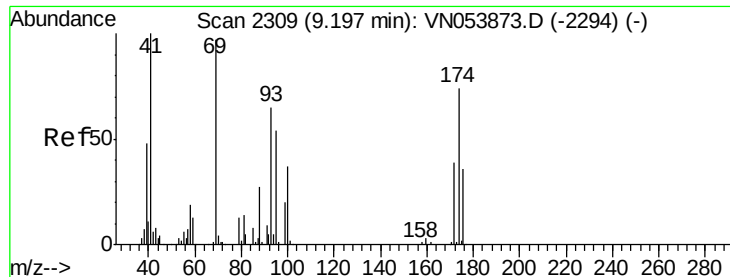
Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tgt Ion:	41	Resp:	460853
Ion Ratio	Lower	Upper	
41	100		
69	96.8	74.8	112.2
39	52.7	39.0	58.6





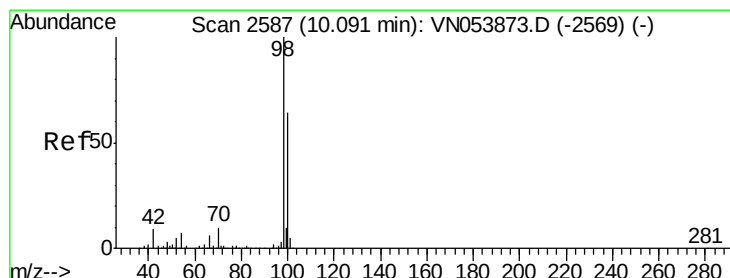
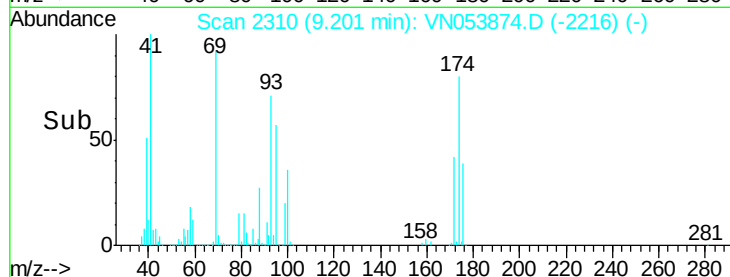
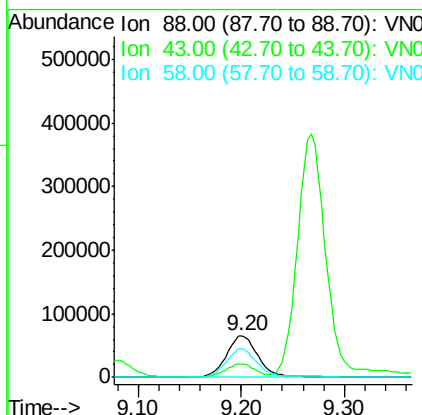
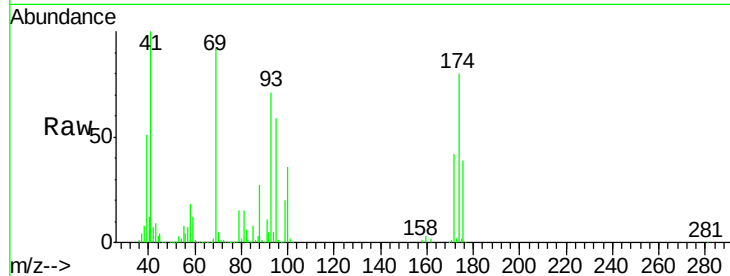
#49
1,4-Dioxane
Concen: 2225.386 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	88	Resp	140385
Ion	Ratio	Lower	Upper
88	100		
43	28.6	21.2	31.8
58	66.6	54.2	81.2

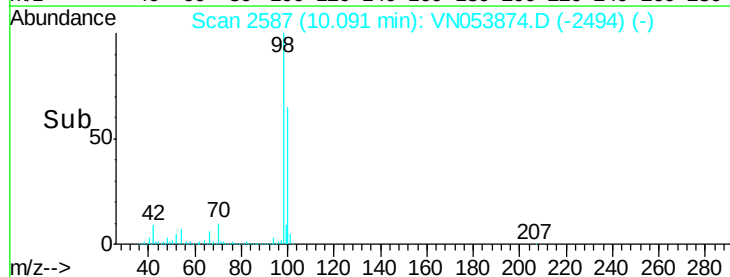
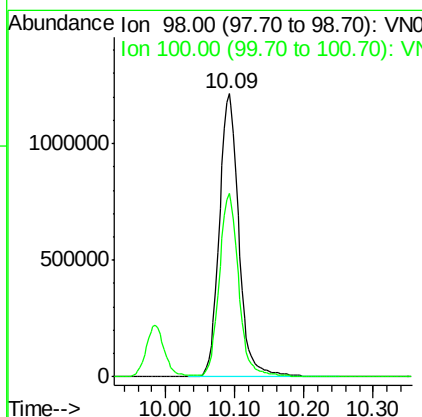
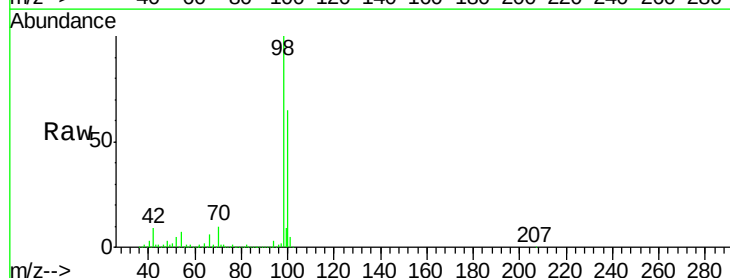
Manual Integrations
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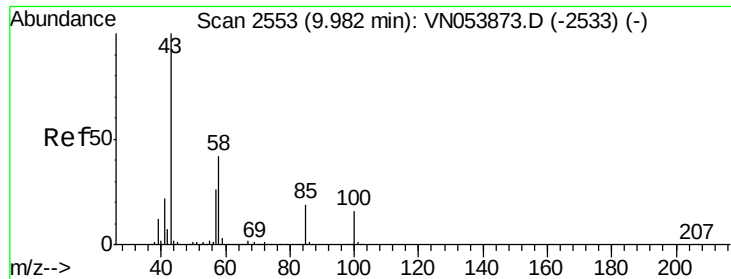
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#50
Toluene-d8
Concen: 98.369 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion	98	Resp	2372472
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





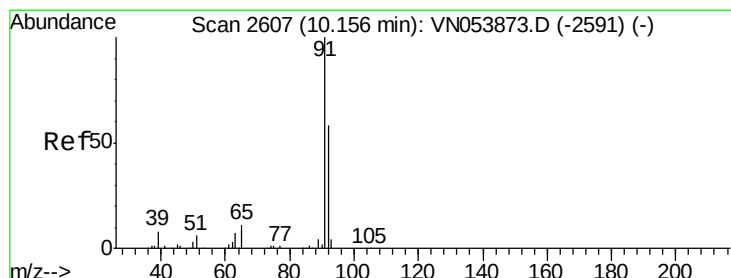
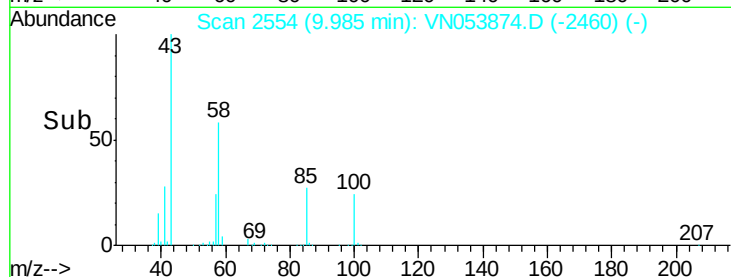
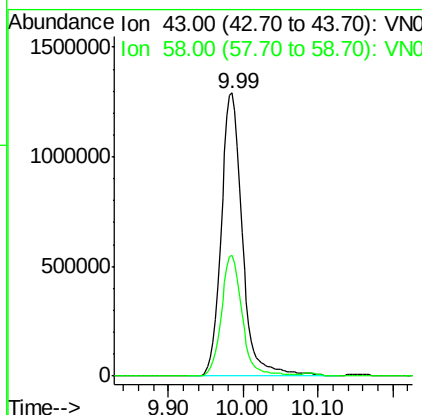
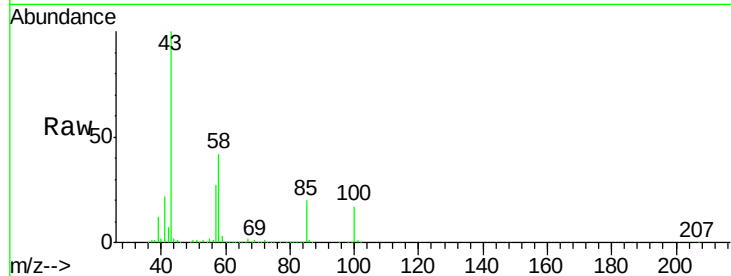
#51
4-Methyl-2-Pentanone
Concen: 545.178 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 2521198
Ion Ratio Lower Upper
43 100
58 41.8 32.7 49.1

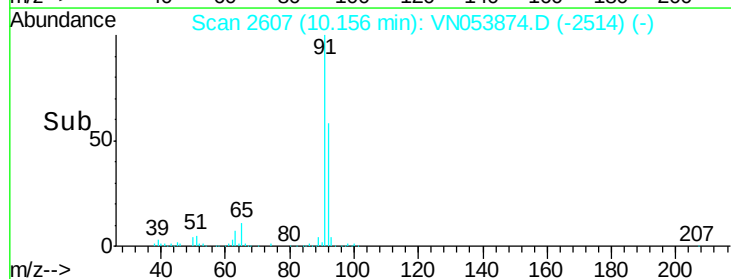
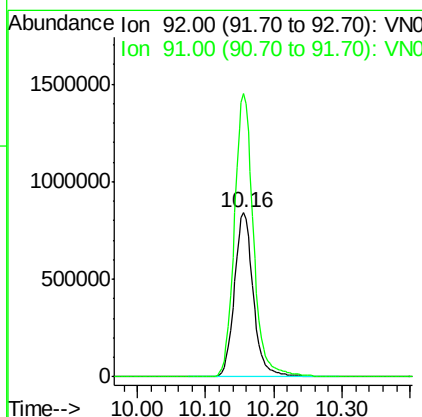
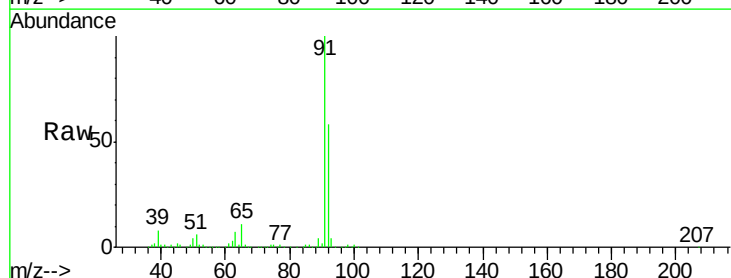
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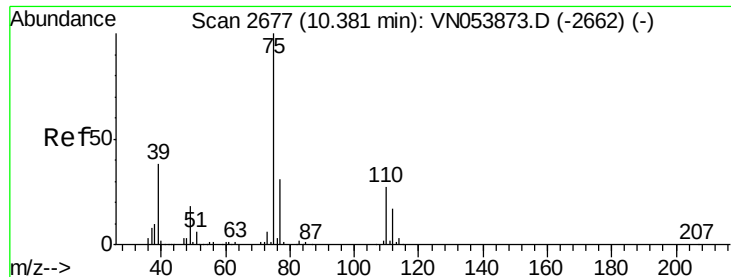
MMDadoda
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#52
Toluene
Concen: 98.963 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion: 92 Resp: 1616982
Ion Ratio Lower Upper
92 100
91 173.6 138.4 207.6





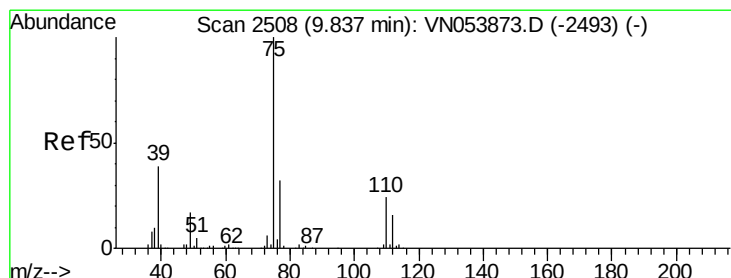
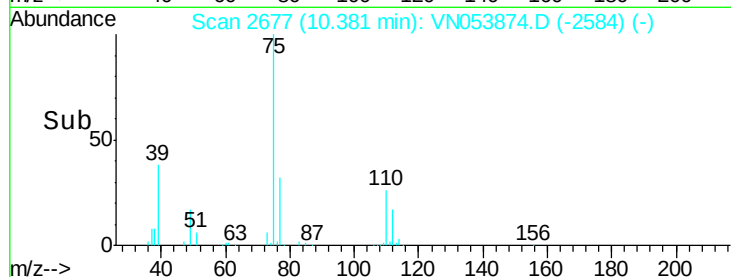
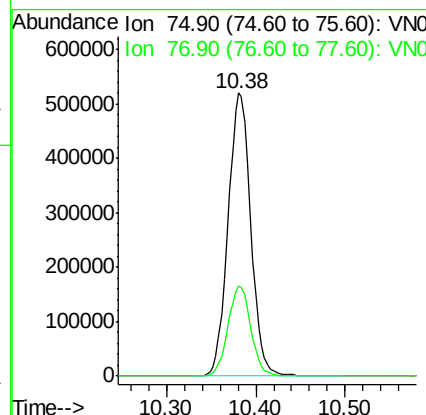
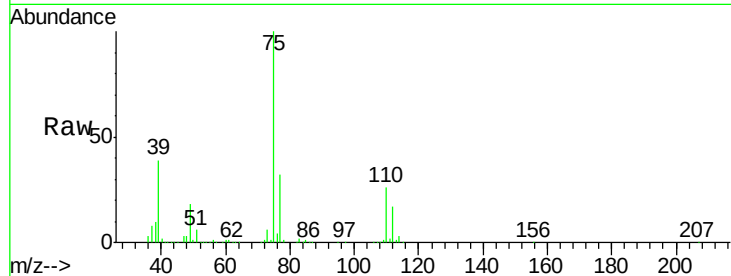
#53
t-1,3-Dichloropropene
Concen: 105.430 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6

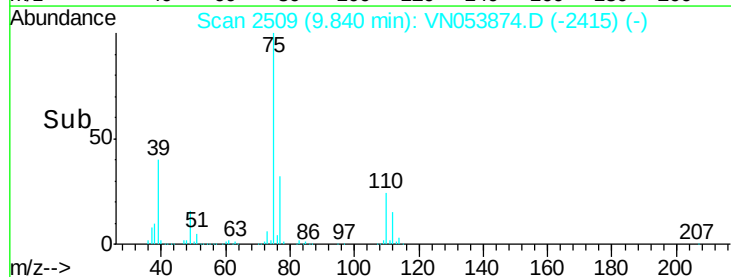
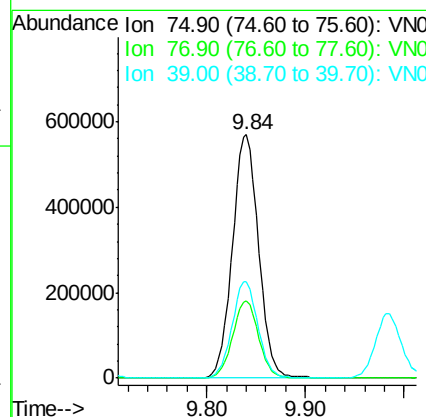
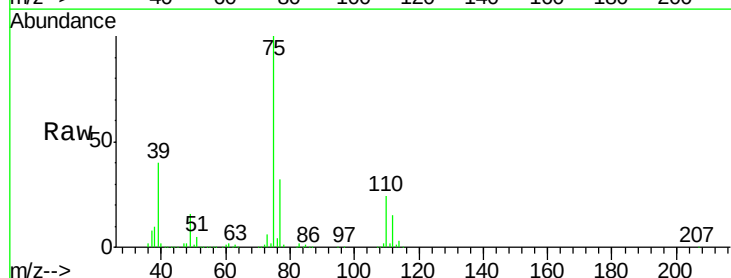
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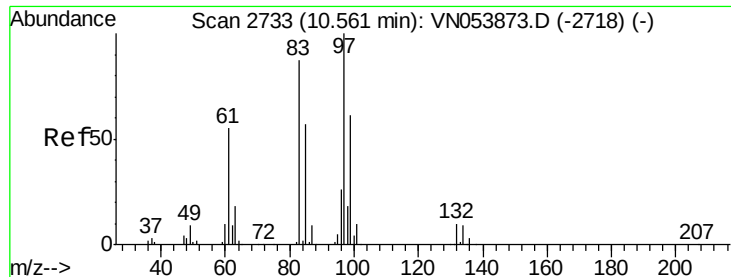
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 103.417 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	39.5	31.4	47.0





#55

1,1,2-Trichloroethane

Concen: 97.479 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

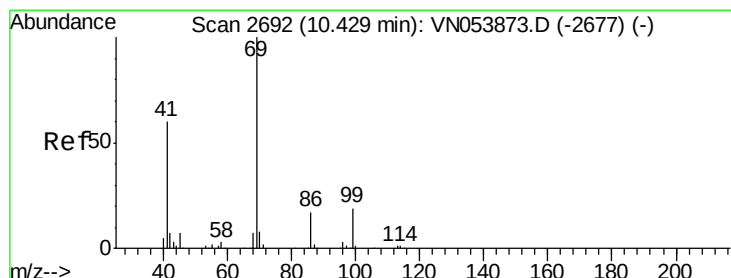
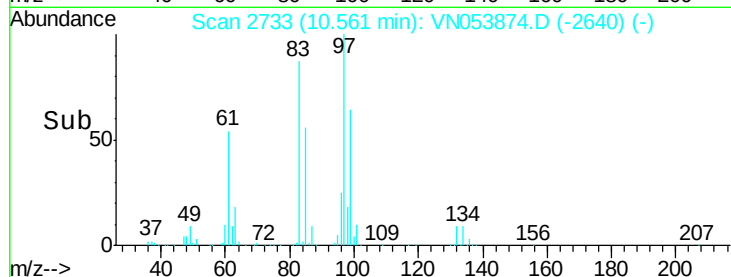
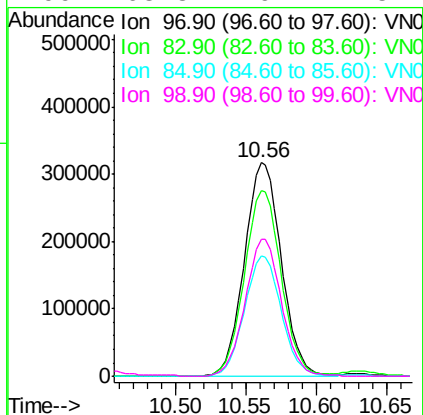
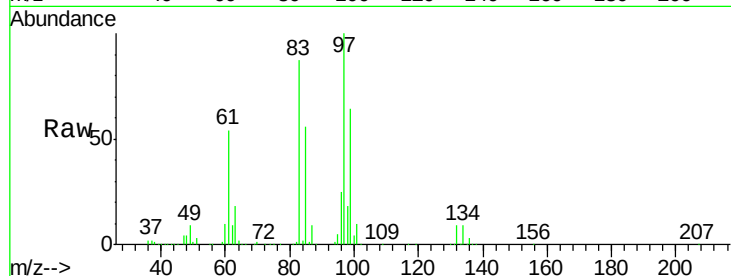
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	582242
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	56.5	45.9	68.9
99	63.8	49.1	73.7

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#56

Ethyl methacrylate

Concen: 112.411 ug/l

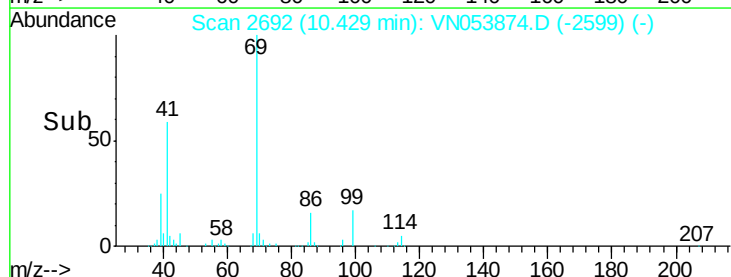
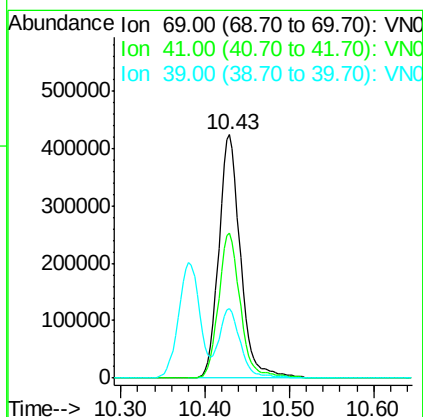
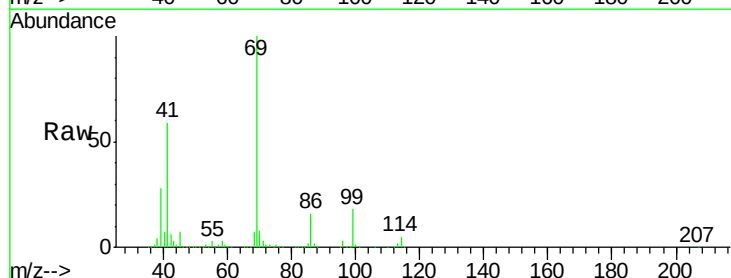
RT: 10.43 min Scan# 2692

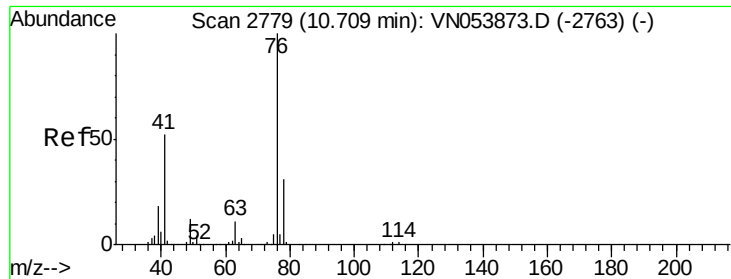
Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tgt Ion:	69	Resp:	755909
Ion	Ratio	Lower	Upper
69	100		
41	59.8	47.5	71.3
39	28.4	23.4	35.0





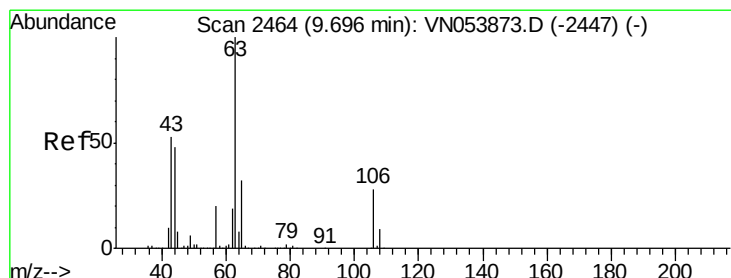
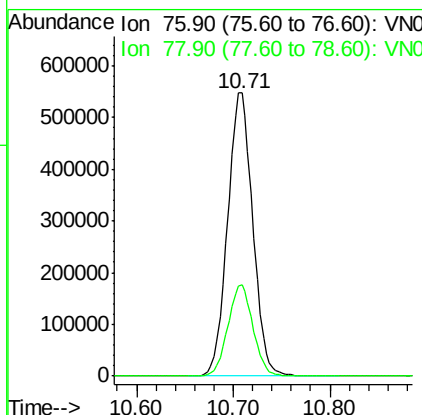
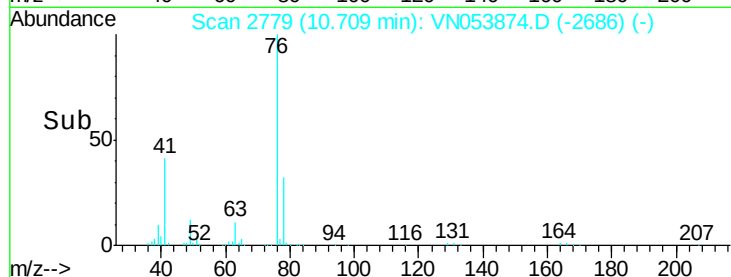
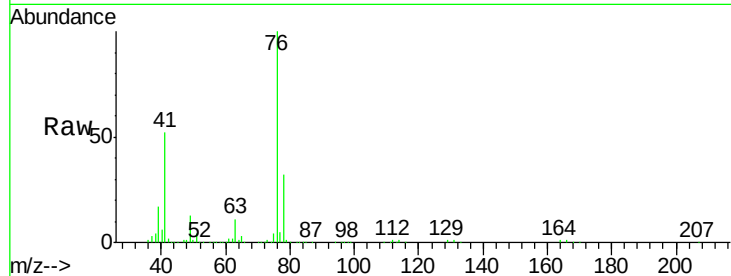
#57
 1,3-Dichloropropane
 Concen: 98.268 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.2	37.8

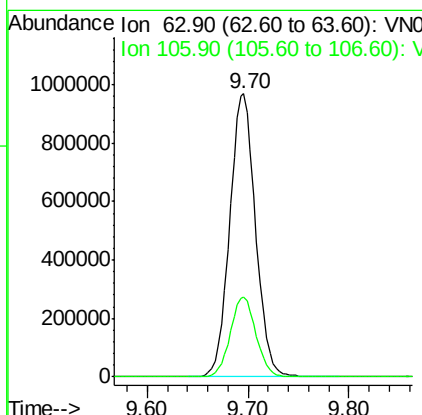
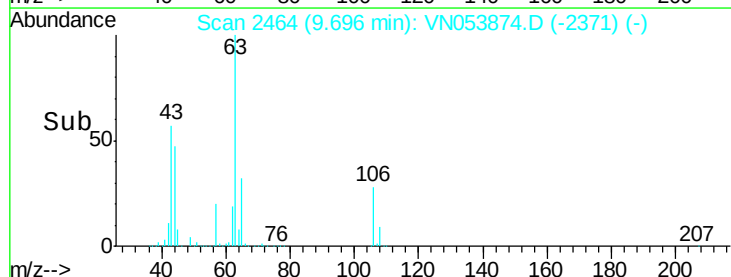
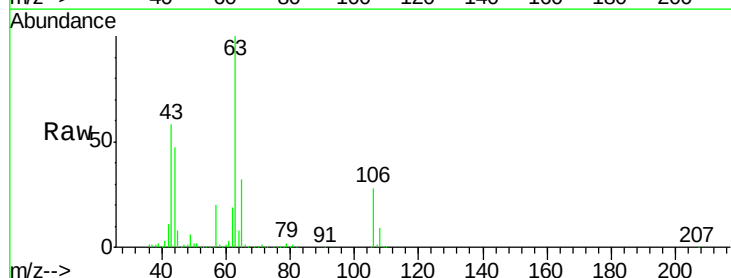
Manual Integrations
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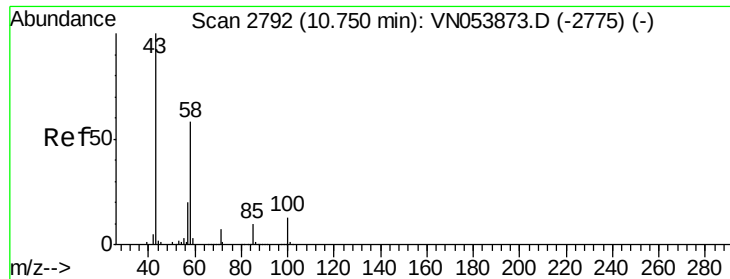
MMDadoda
 2/21/2019 10:52:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 586.163 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.2





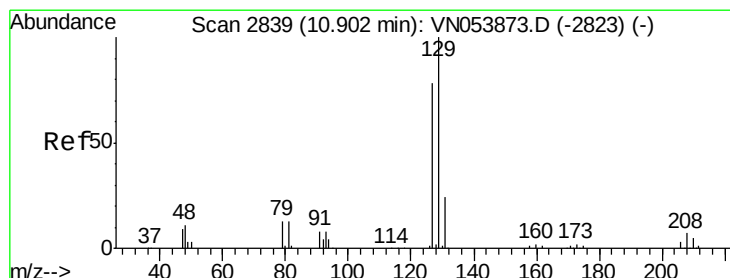
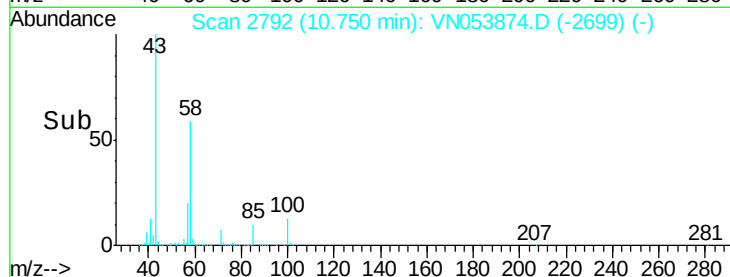
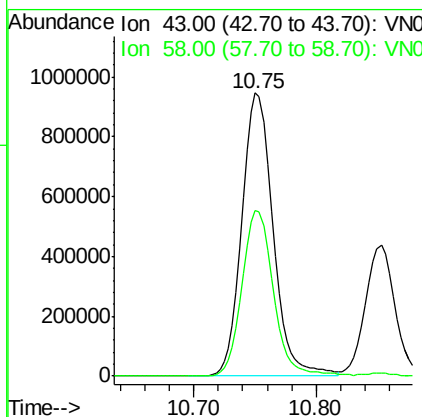
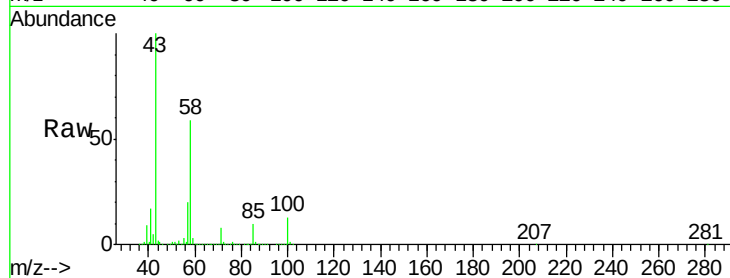
#59
2-Hexanone
Concen: 534.057 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1666866
Ion Ratio Lower Upper
43 100
58 58.9 29.1 87.4

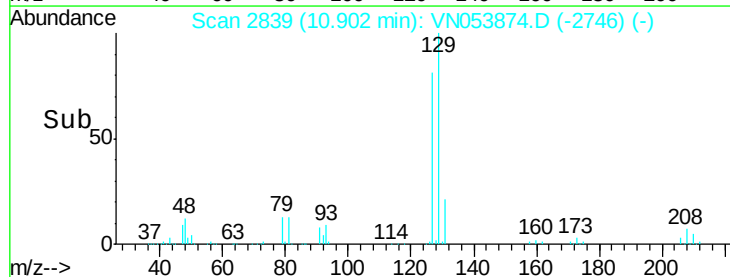
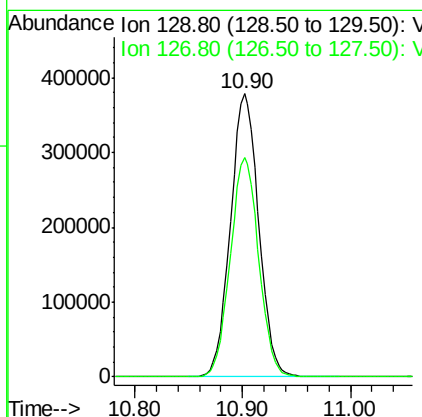
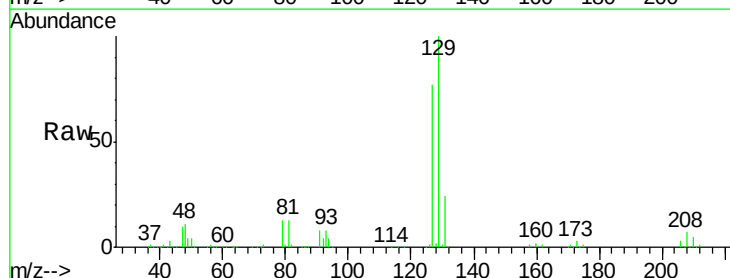
Manual Integrations
APPROVED

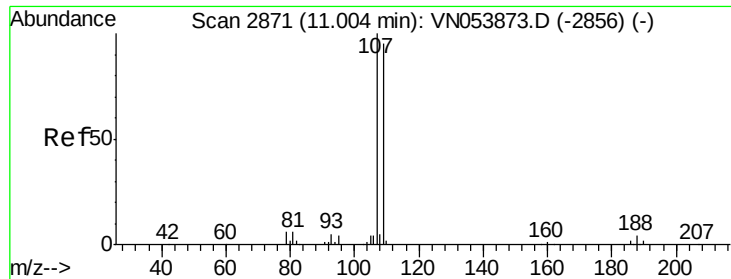
MMDadoda
2/21/2019 10:52:05 AM



#60
Dibromochloromethane
Concen: 99.258 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion: 129 Resp: 692019
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.3





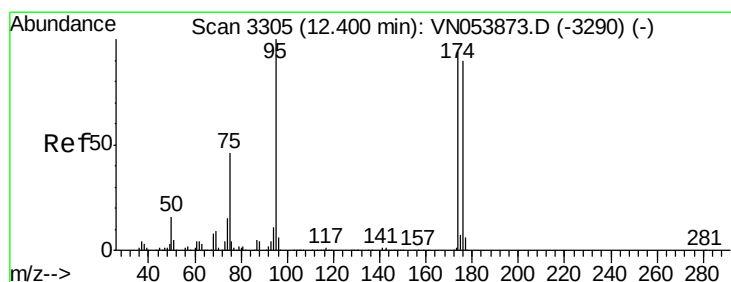
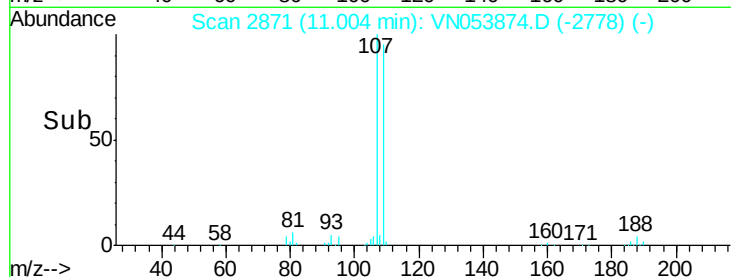
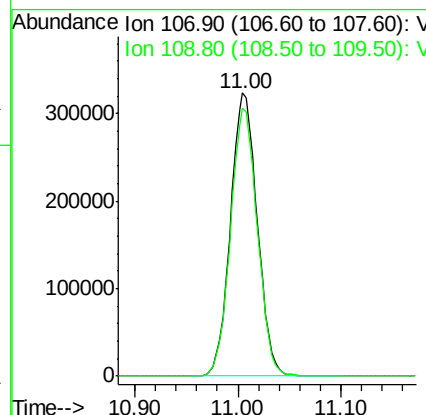
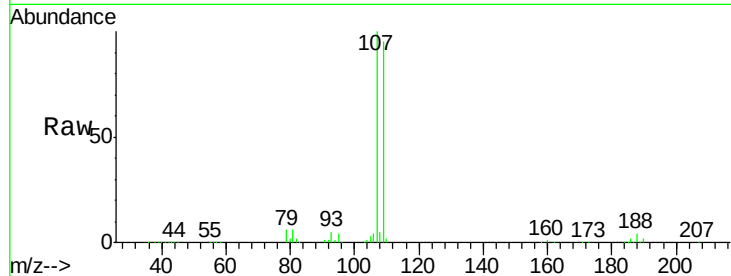
#61
 1,2-Dibromoethane
 Concen: 98.489 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.3	114.5

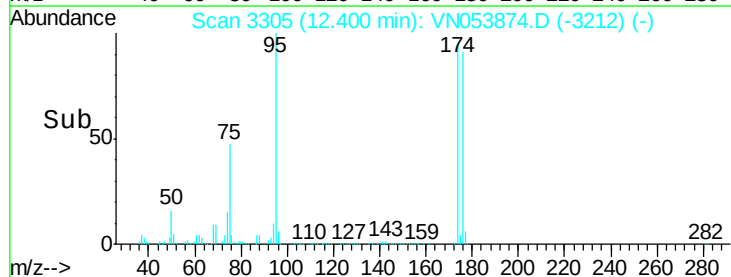
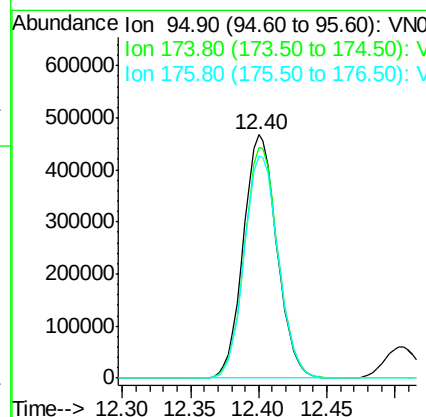
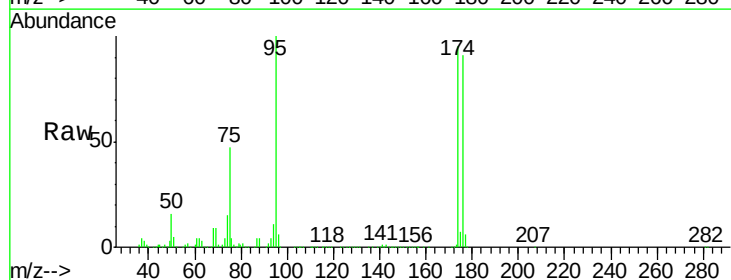
Manual Integrations
 APPROVED

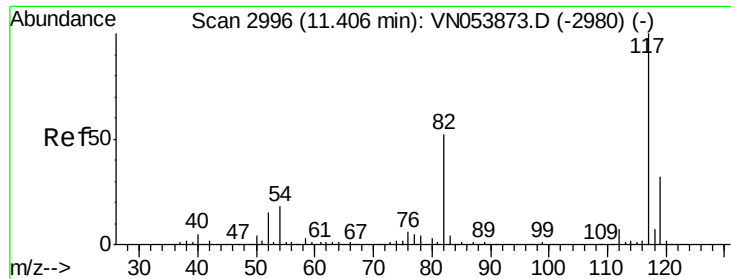
MMDadoda
 2/21/2019 10:52:05 AM



#62
 4-Bromofluorobenzene
 Concen: 100.215 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	188.8
176	92.4	0.0	182.6





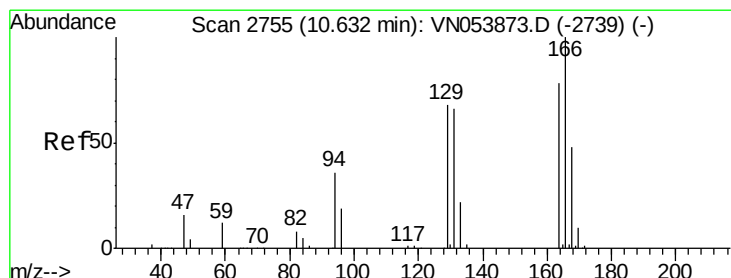
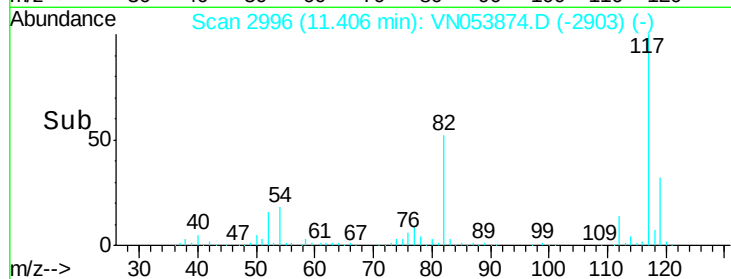
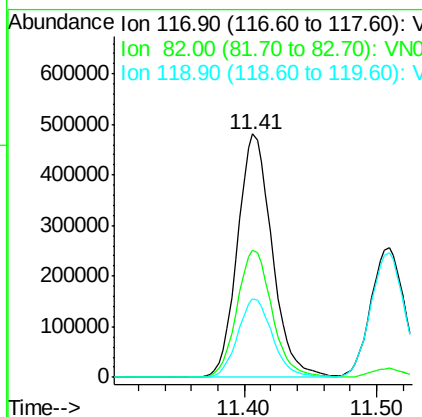
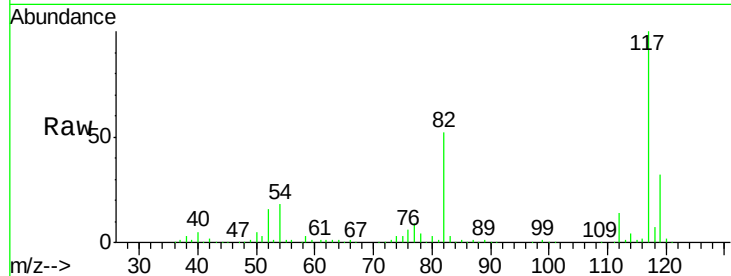
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.4	62.2
119	32.1	25.3	37.9

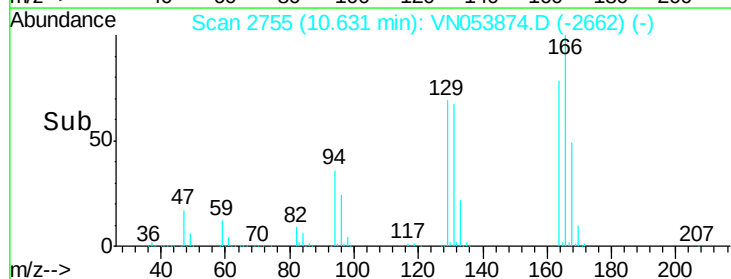
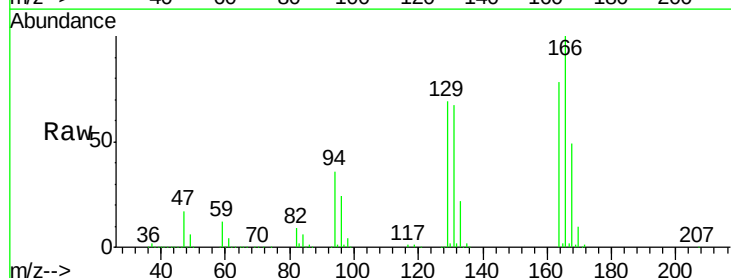
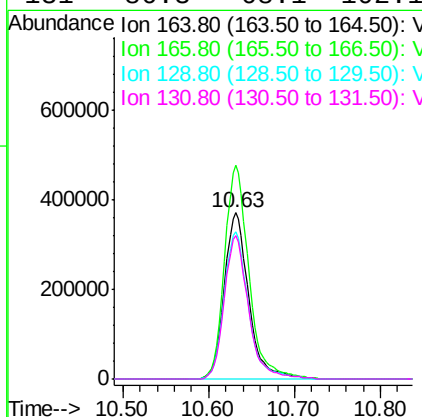
Manual Integrations
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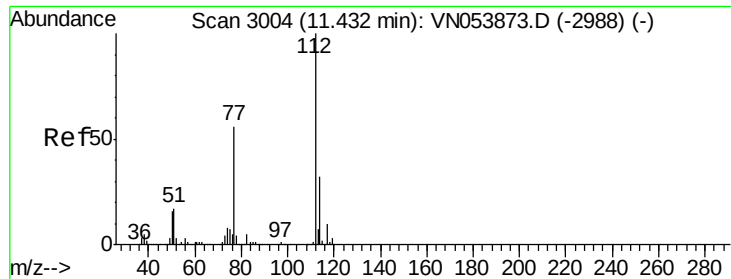
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#64
Tetrachloroethene
Concen: 93.457 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.6	153.8
129	88.9	69.4	104.0
131	86.3	68.1	102.1





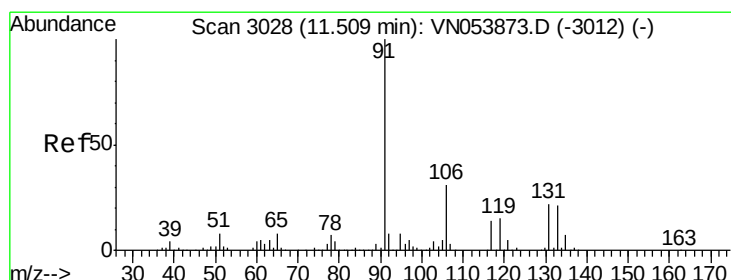
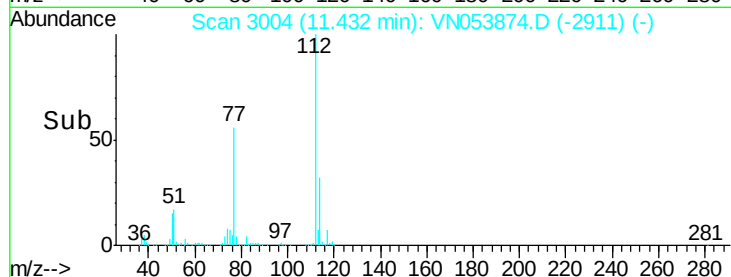
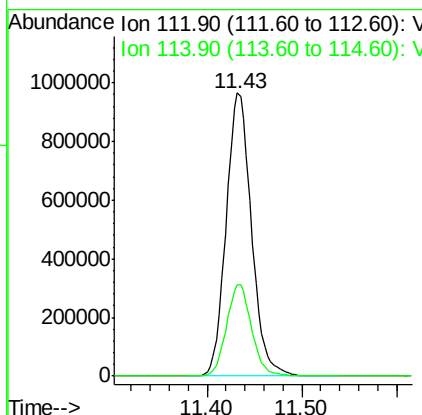
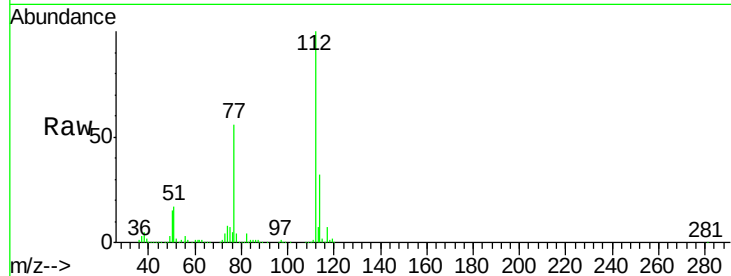
#65
Chlorobenzene
Concen: 98.084 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1793529
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

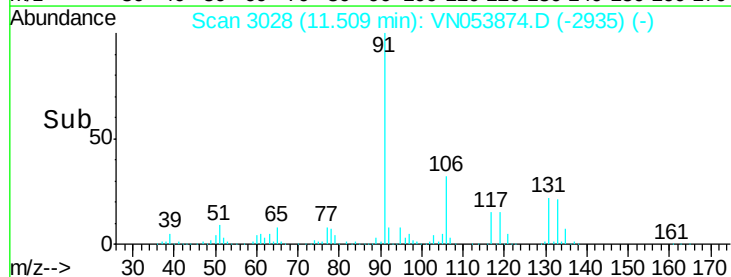
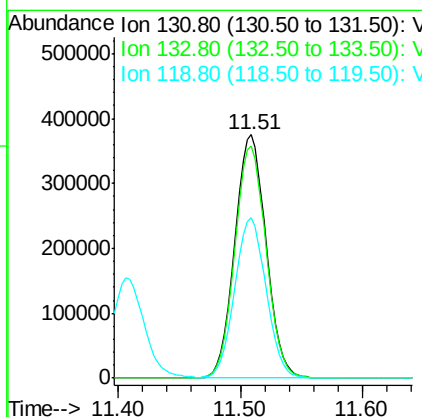
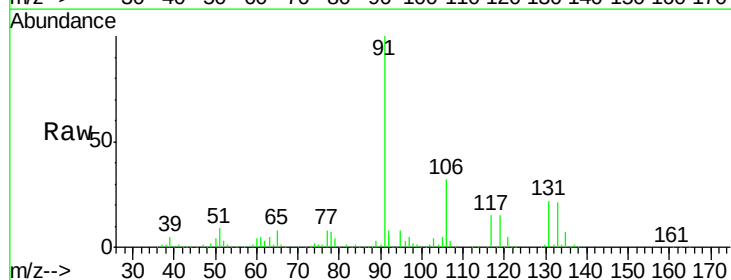
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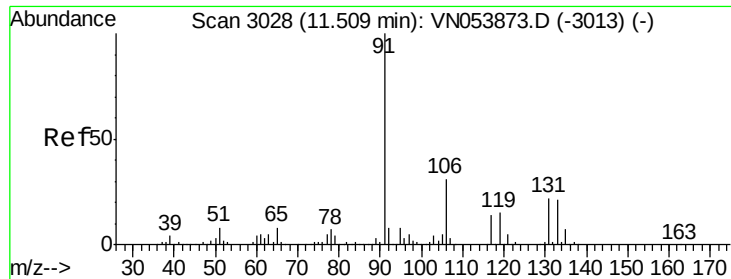
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#66
1,1,1,2-Tetrachloroethane
Concen: 99.715 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion:131 Resp: 665376
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 66.1 33.1 99.3





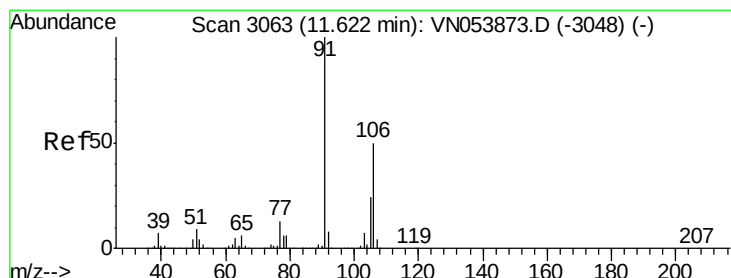
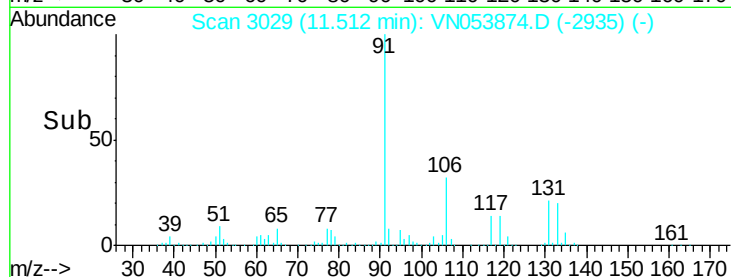
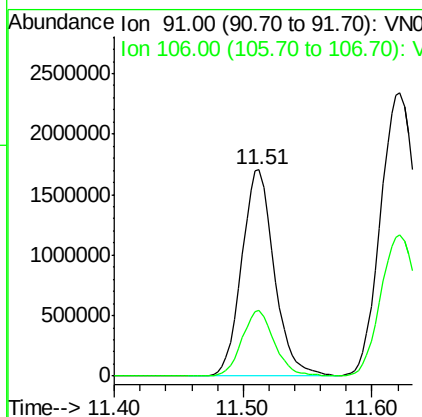
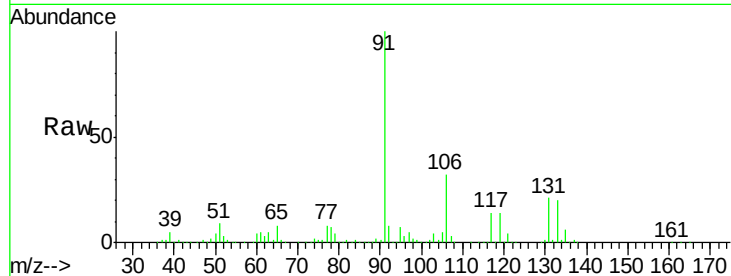
#67
Ethyl Benzene
Concen: 101.611 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 3006983
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

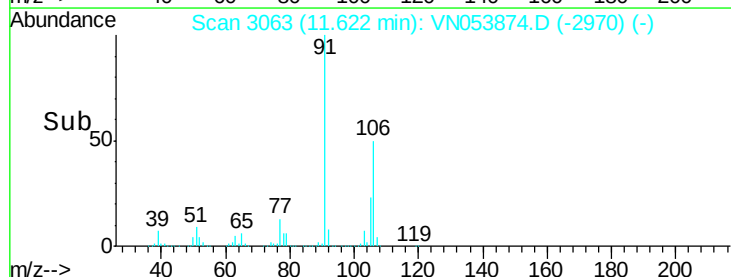
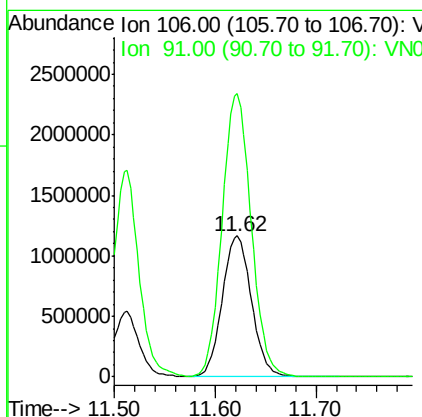
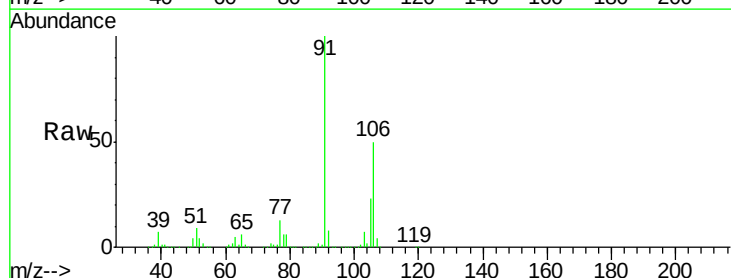
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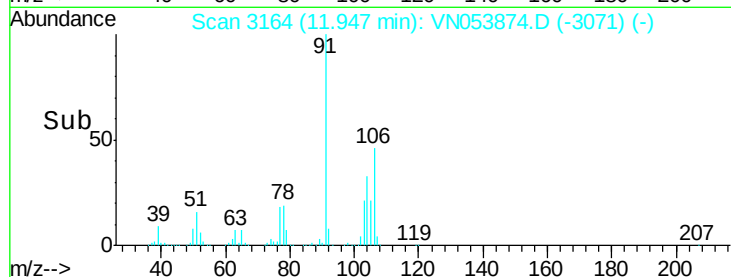
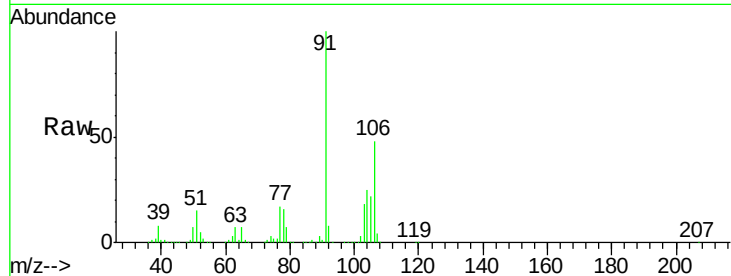
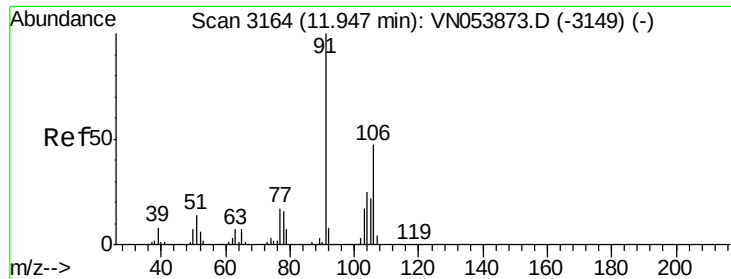
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#68
m/p-Xylenes
Concen: 205.986 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion: 106 Resp: 2360274
Ion Ratio Lower Upper
106 100
91 199.5 158.9 238.3





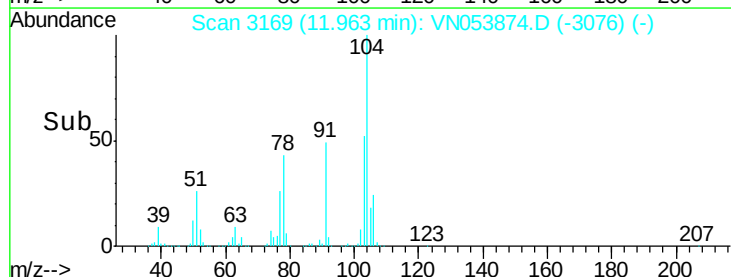
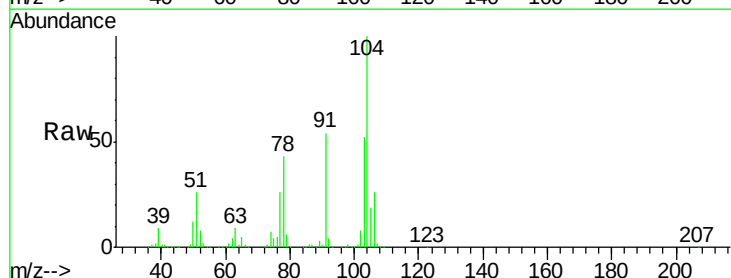
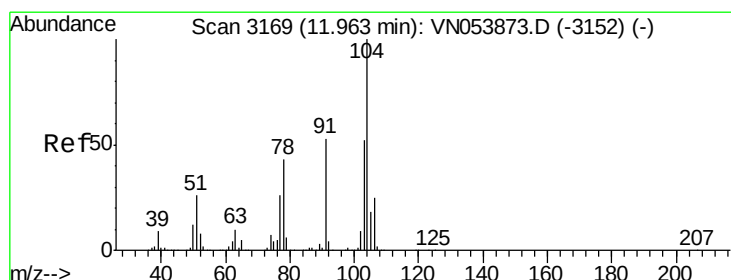
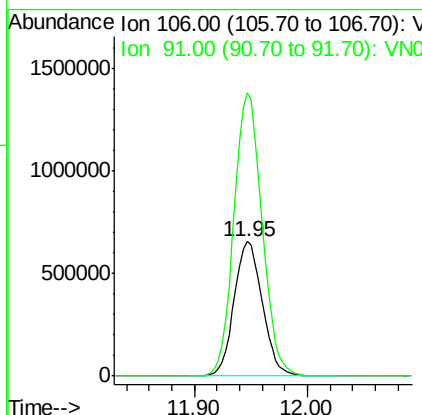
#69
o-Xylene
Concen: 103.493 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tot Ion:106 Resp: 1141652
Ion Ratio Lower Upper
106 100
91 210.1 106.0 318.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

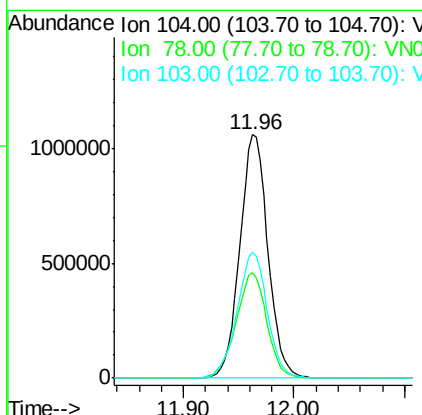
Manual Integrations
APPROVED

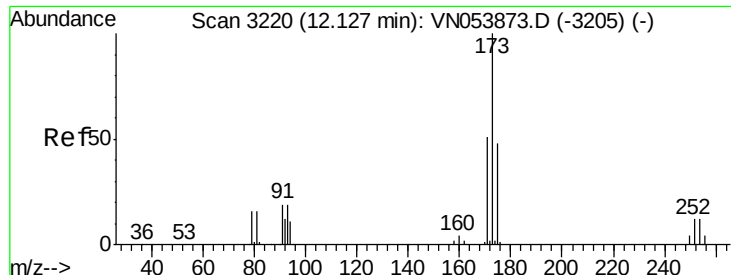
MMDadoda
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#70
Styrene
Concen: 107.807 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion:104 Resp: 1866193
Ion Ratio Lower Upper
104 100
78 47.3 38.1 57.1
103 55.7 44.6 67.0





#71

Bromoform

Concen: 105.328 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 498768

Ion Ratio Lower Upper

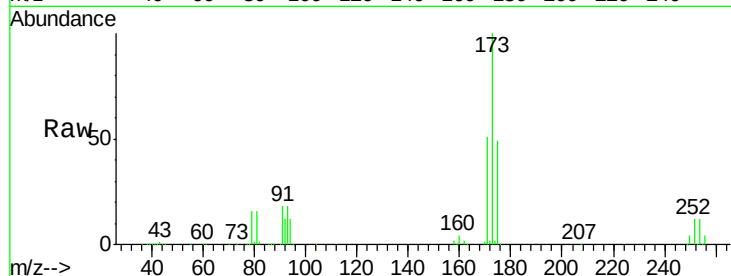
173 100

175 48.7 24.3 72.8

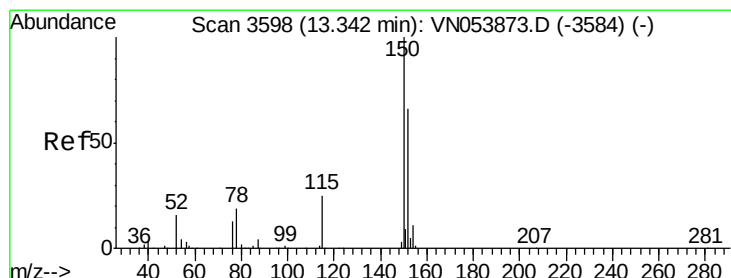
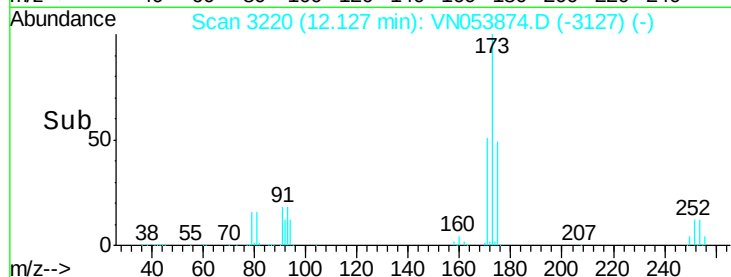
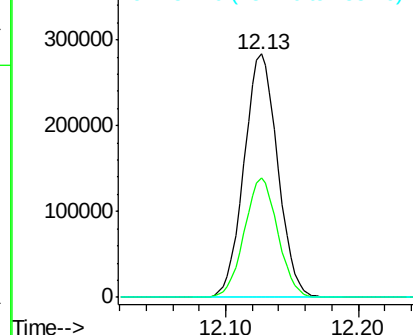
254 0.2 0.2 0.2#

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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: VN053874.D

Acq: 20 Feb 2019 10:17

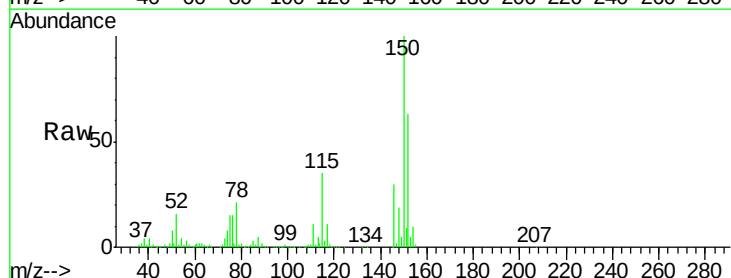
Tgt Ion:152 Resp: 439942

Ion Ratio Lower Upper

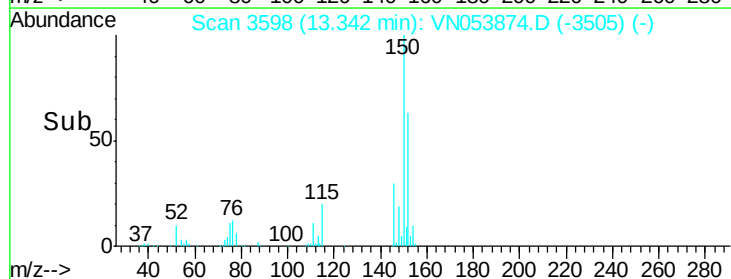
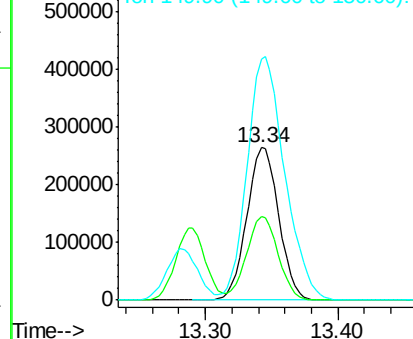
152 100

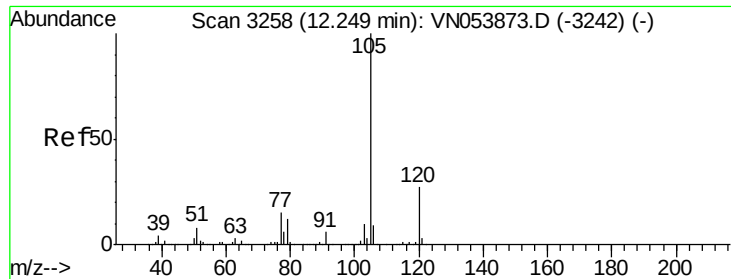
115 54.2 27.2 81.6

150 188.2 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: 94.424 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2926508

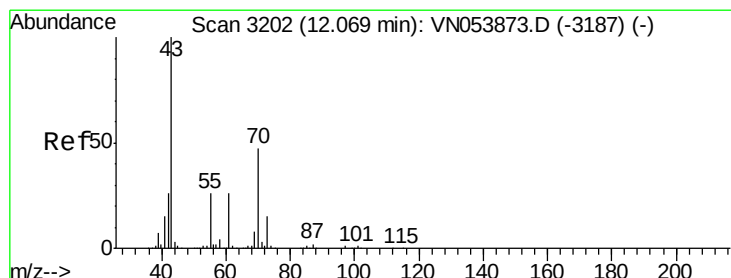
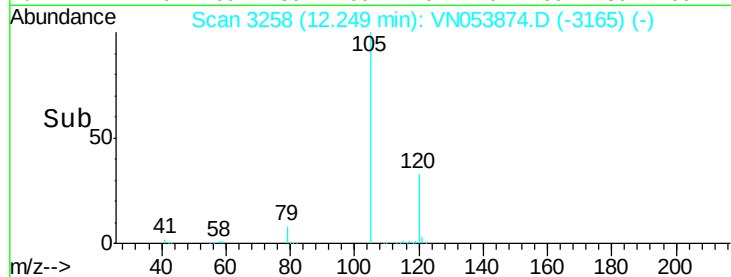
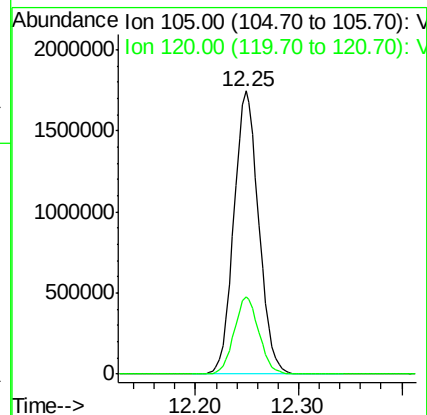
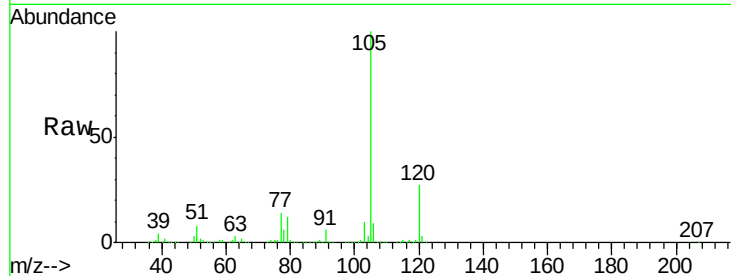
Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 106.350 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tgt Ion: 43 Resp: 756924

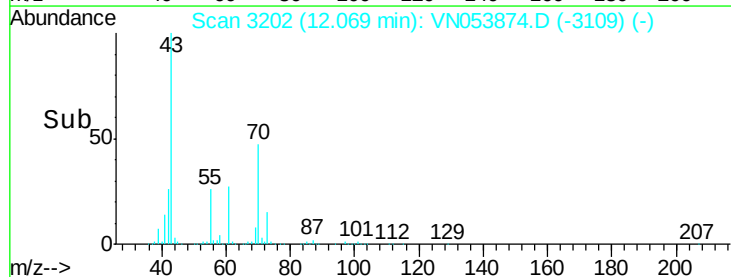
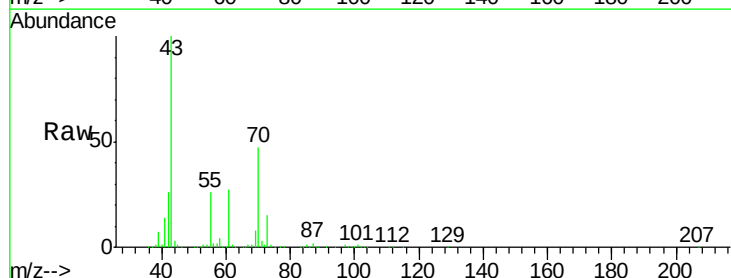
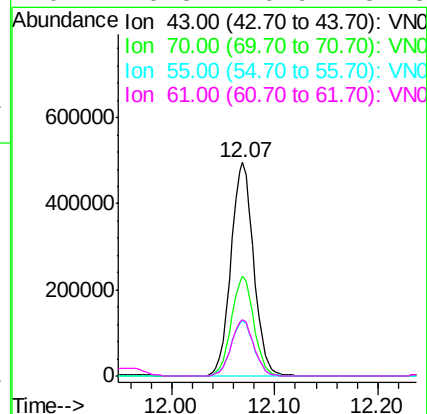
Ion Ratio Lower Upper

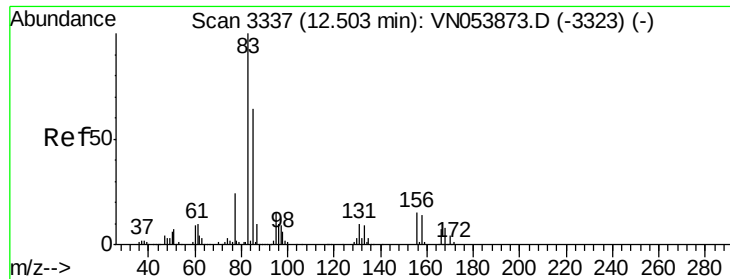
43 100

70 46.6 37.4 56.2

55 26.2 21.4 32.0

61 26.3 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 93.640 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

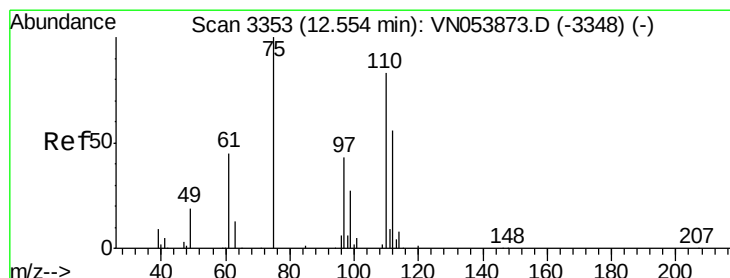
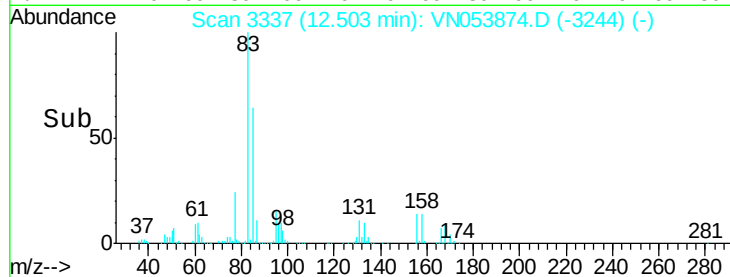
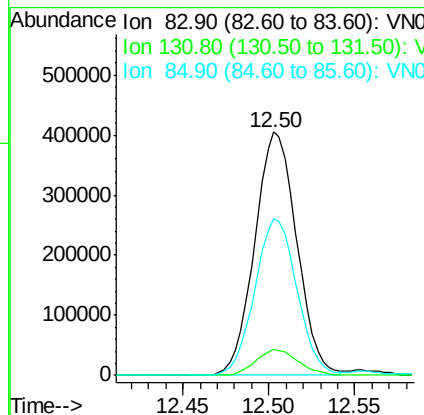
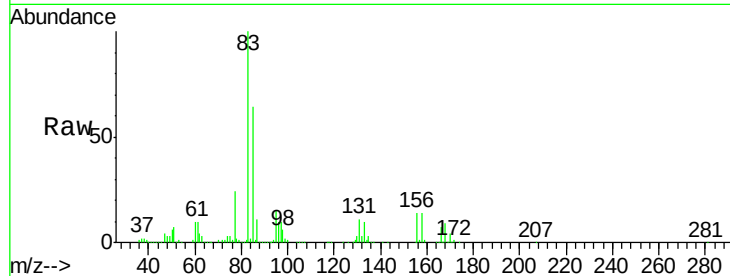
ClientSampled :

VSTDIC100

Tot Ion	83	Resp	686143
Ion Ratio	100	Lower	Upper
83	100		
131	10.8	5.3	16.1
85	64.6	31.9	95.9

Manual Integrations
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2/21/2019 10:52:05 AM



#76

1,2,3-Trichloropropane

Concen: 99.656 ug/l m

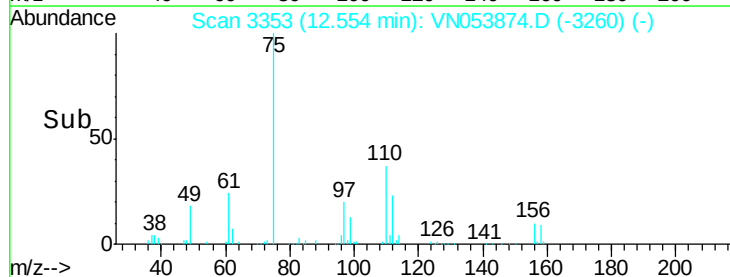
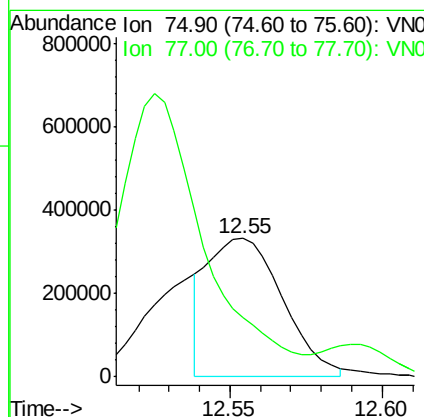
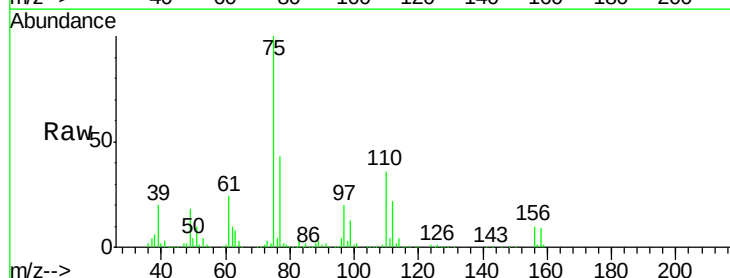
RT: 12.55 min Scan# 3353

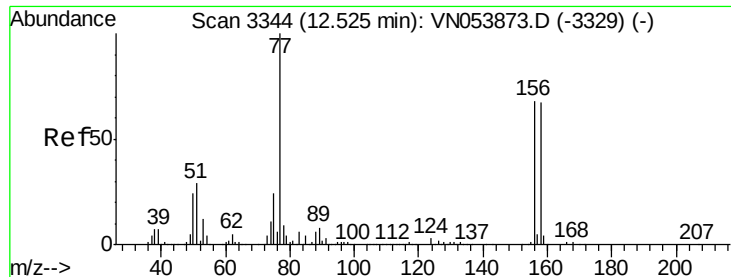
Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tgt Ion	75	Resp	572733
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 95.971 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

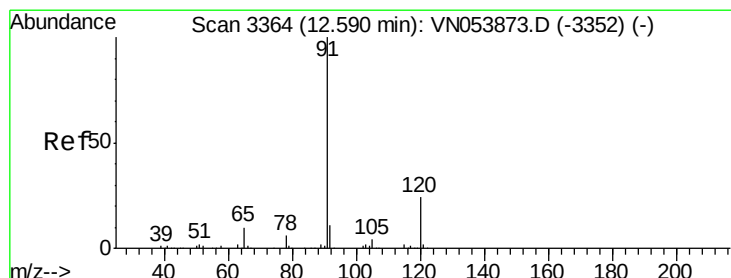
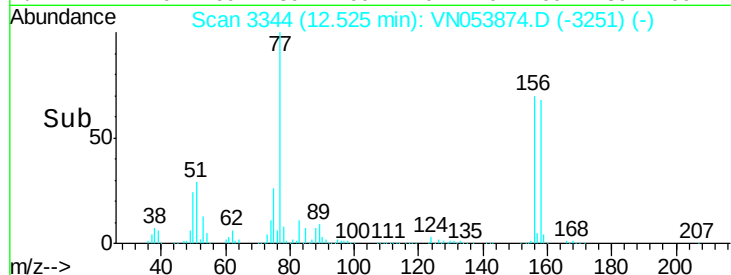
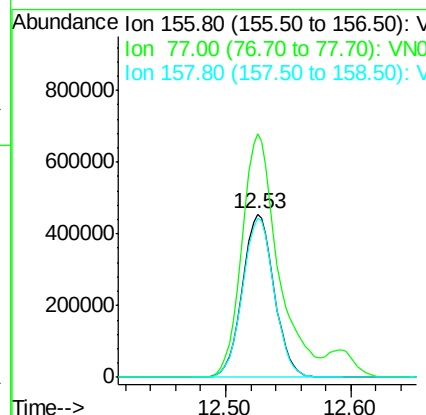
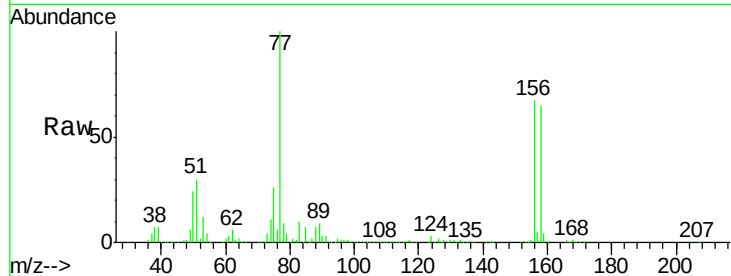
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.7	84.0	252.2
158	97.6	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 98.609 ug/l

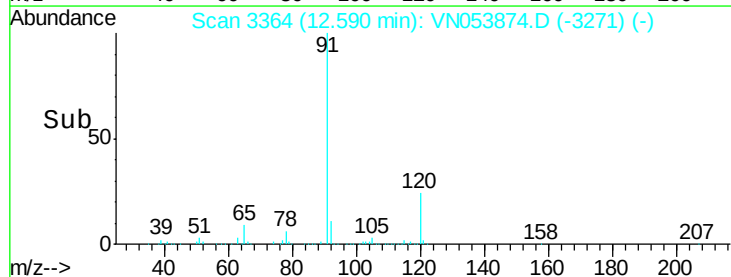
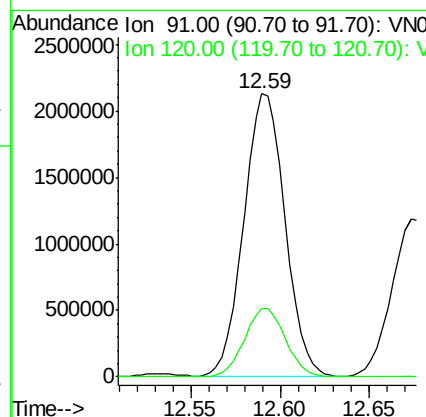
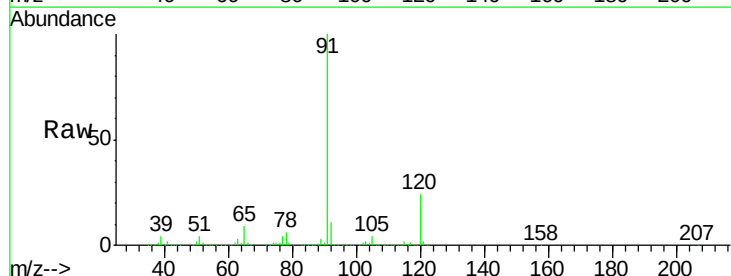
RT: 12.59 min Scan# 3364

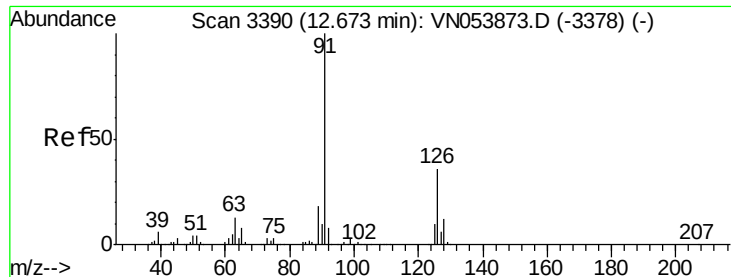
Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.9





#79

2-Chlorotoluene

Concen: 95.677 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1999426

Ion Ratio Lower Upper

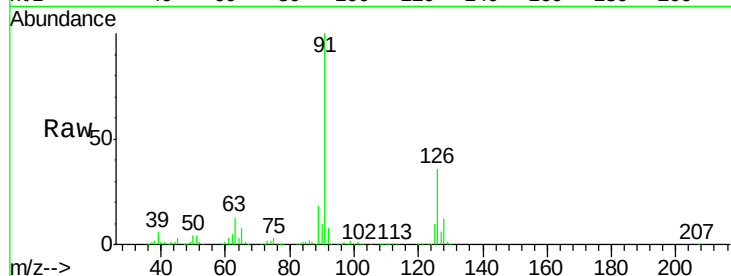
91 100

126 36.4 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) (-)

2000000

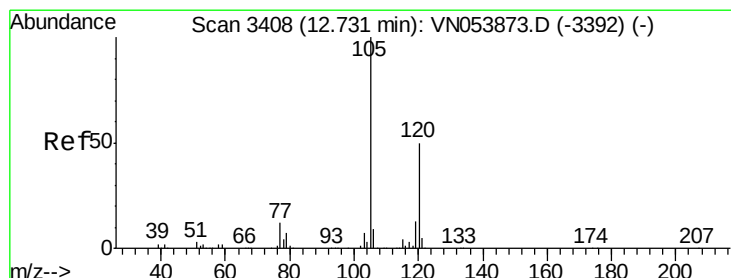
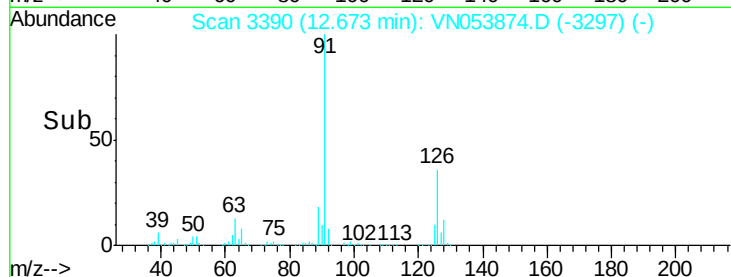
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 99.015 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053874.D

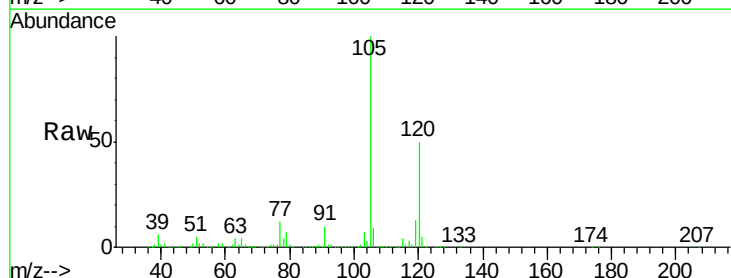
Acq: 20 Feb 2019 10:17

Tgt Ion: 105 Resp: 2547278

Ion Ratio Lower Upper

105 100

120 50.0 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) (-)

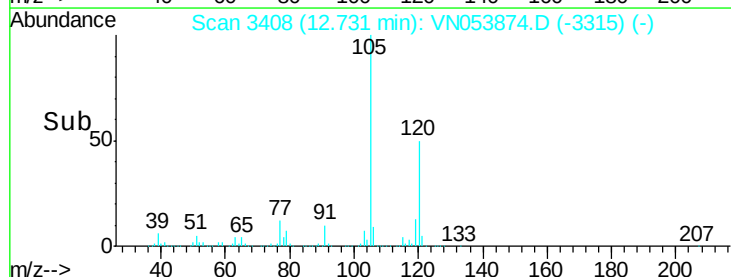
1500000

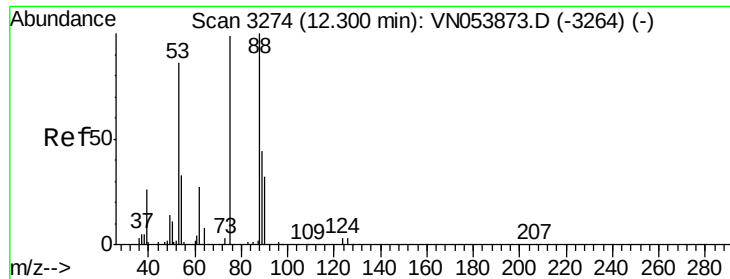
1000000

500000

0

Time--> 12.70 12.80





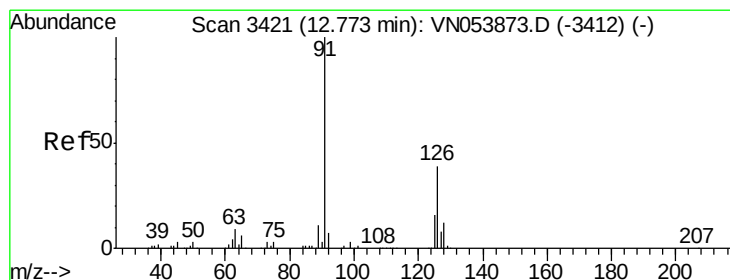
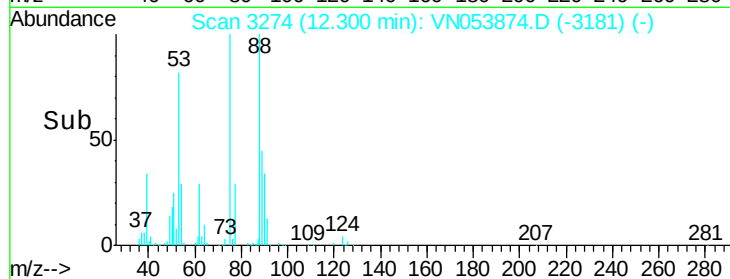
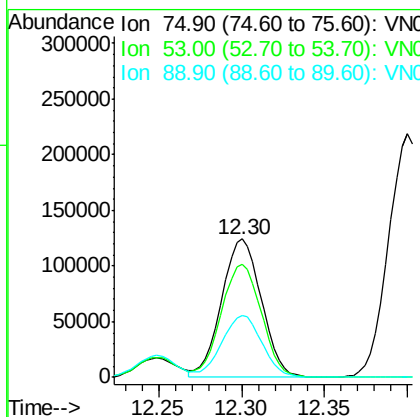
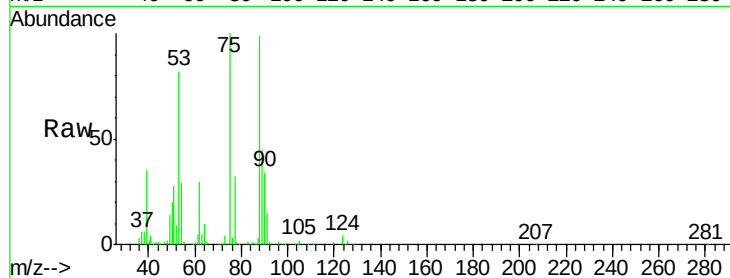
#81
trans-1,4-Dichloro-2-butene
Concen: 105.562 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.5	68.6	102.8
89	45.3	35.3	52.9

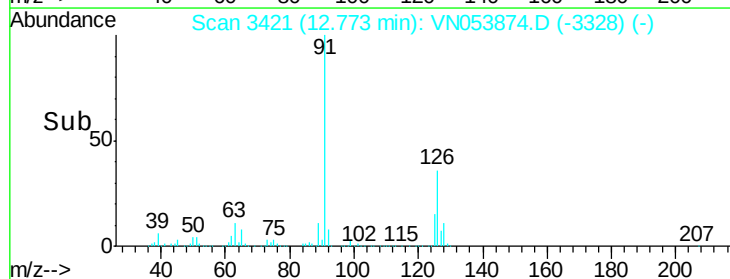
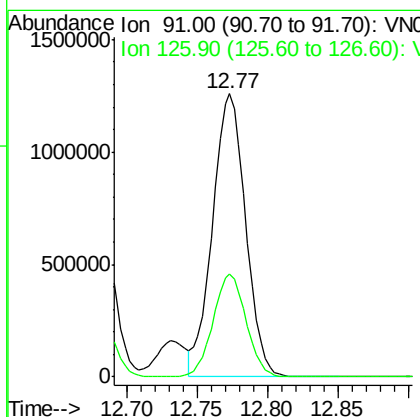
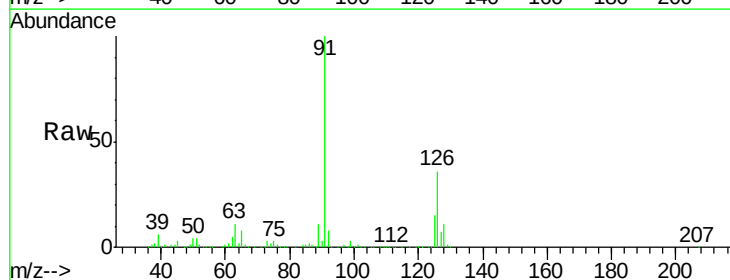
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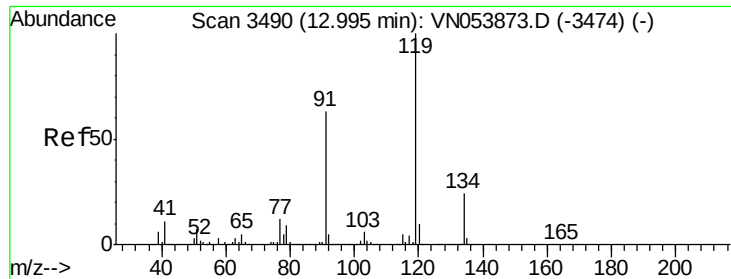
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#82
4-Chlorotoluene
Concen: 98.216 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.0	54.0





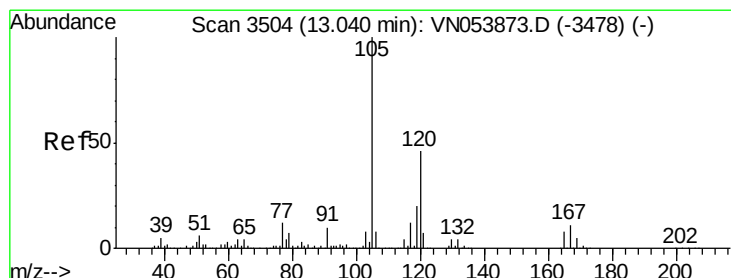
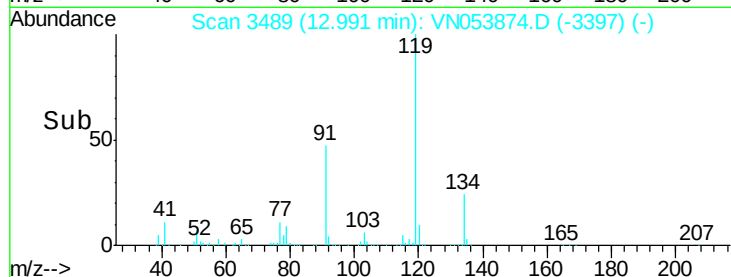
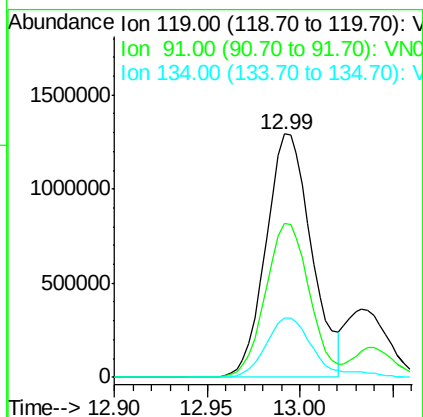
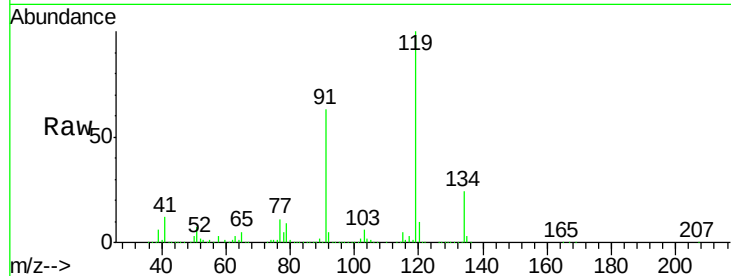
#83
tert-Butylbenzene
Concen: 95.897 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 2215264
Ion Ratio Lower Upper
119 100
91 61.1 30.6 91.8
134 25.9 13.0 39.0

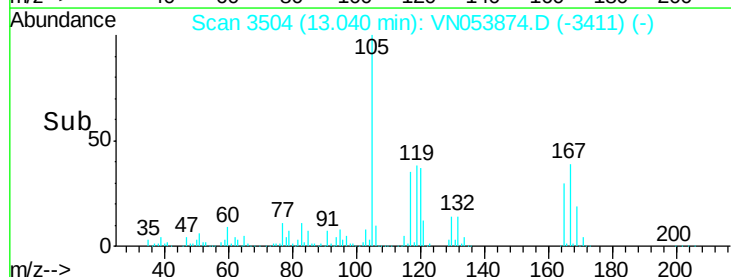
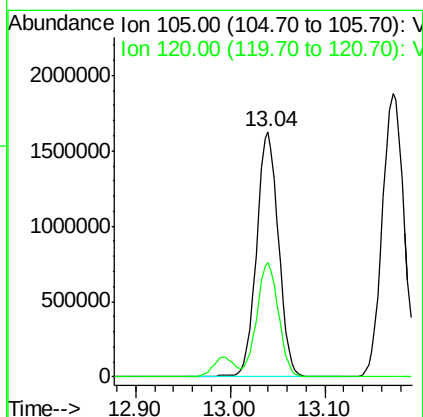
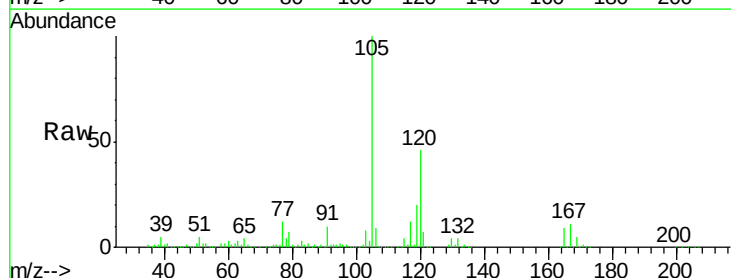
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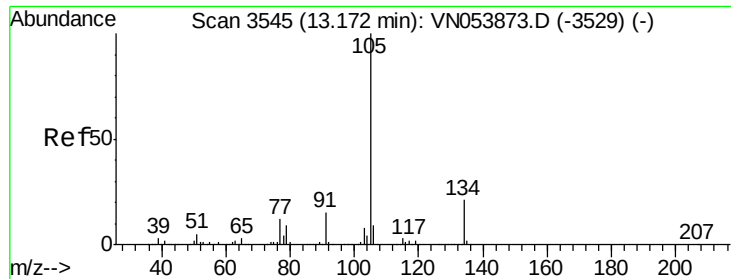
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#84
1,2,4-Trimethylbenzene
Concen: 101.040 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion:105 Resp: 2607067
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.5





#85

sec-Butylbenzene

Concen: 96.440 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2999560

Ion Ratio Lower Upper

105 100

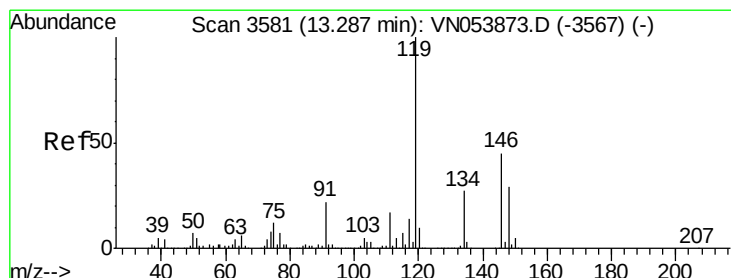
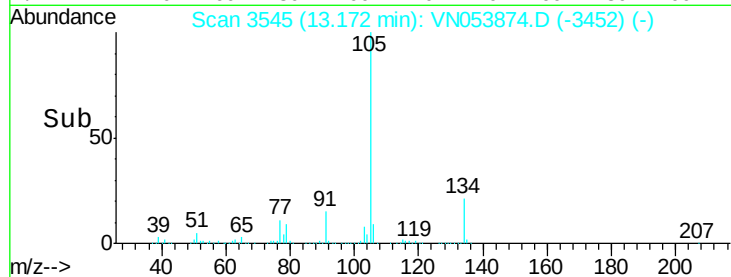
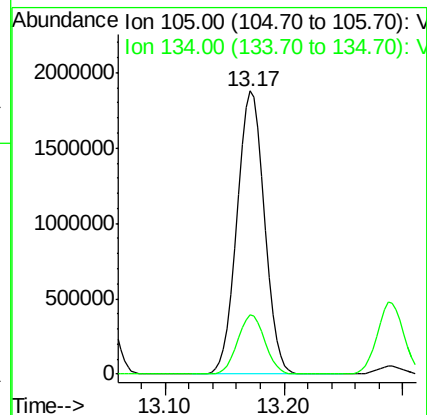
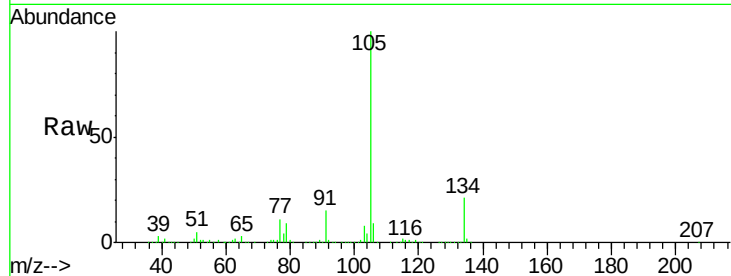
134 20.8 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 100.526 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

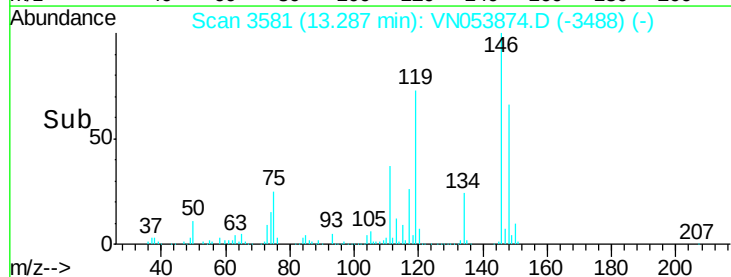
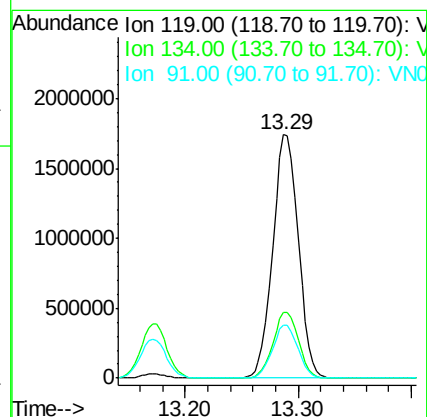
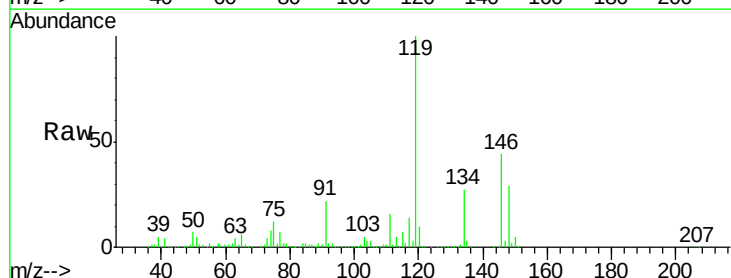
Tgt Ion:119 Resp: 2713574

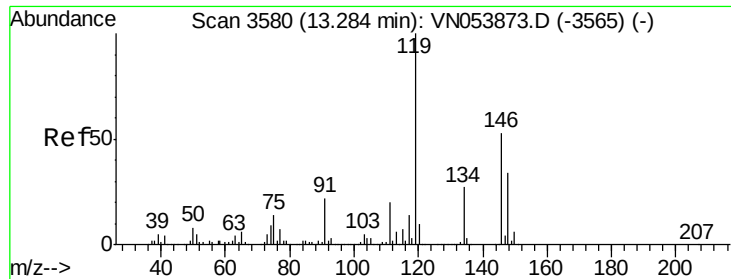
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.6 10.9 32.6





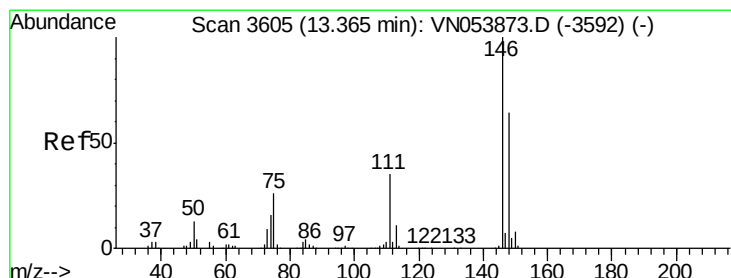
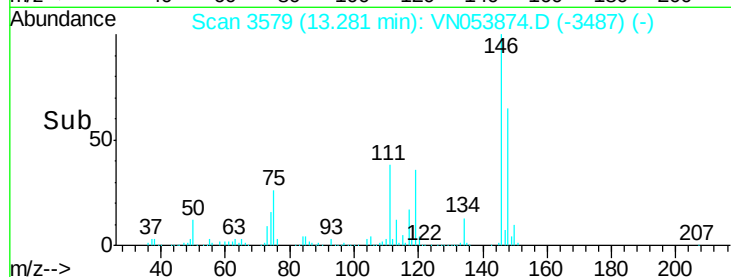
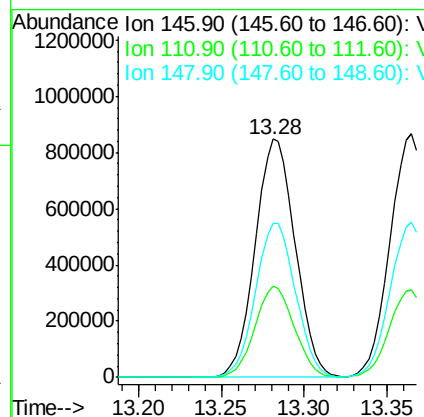
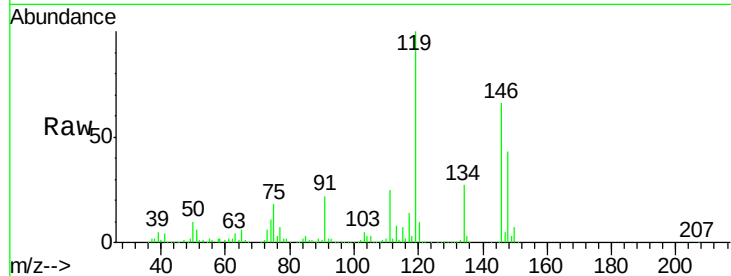
#87
 1,3-Dichlorobenzene
 Concen: 97.868 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1419891
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.7 56.1
 148 64.7 32.0 96.2

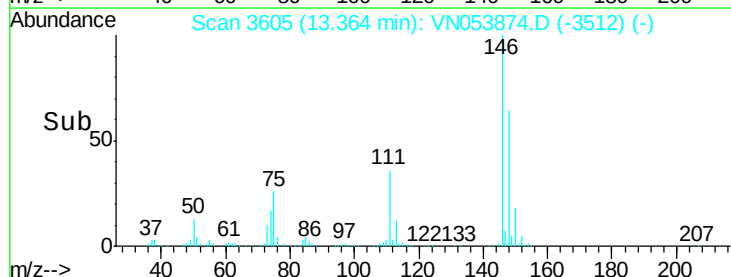
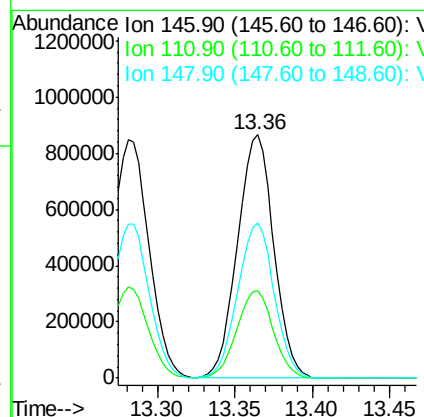
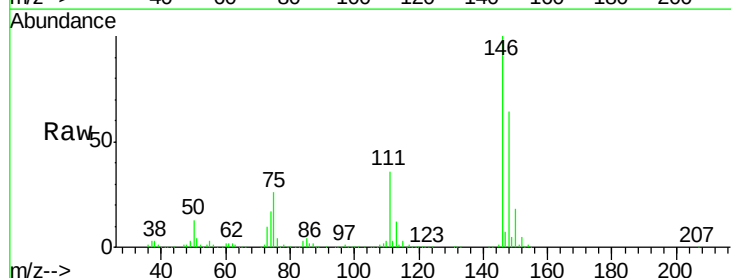
Manual Integrations
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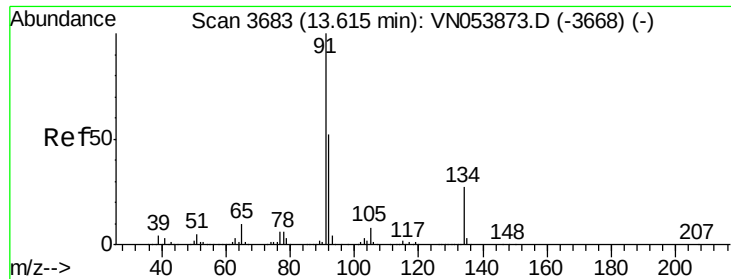
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#88
 1,4-Dichlorobenzene
 Concen: 96.608 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion:146 Resp: 1410273
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.0 54.0
 148 64.3 32.1 96.5





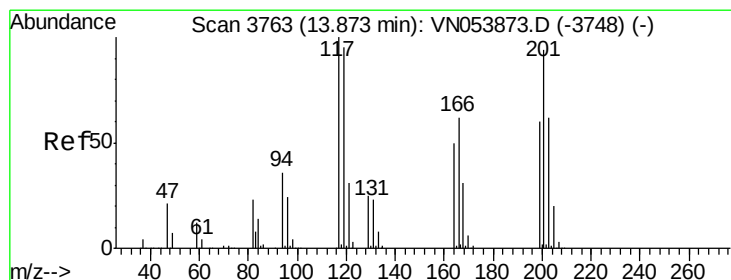
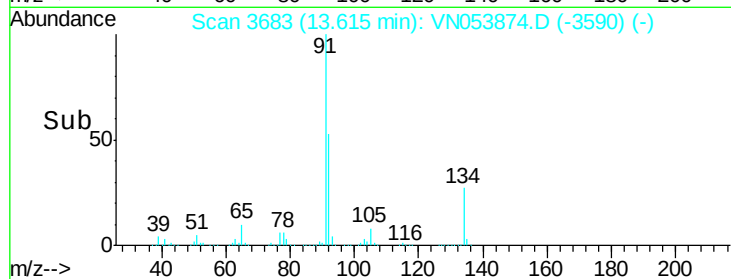
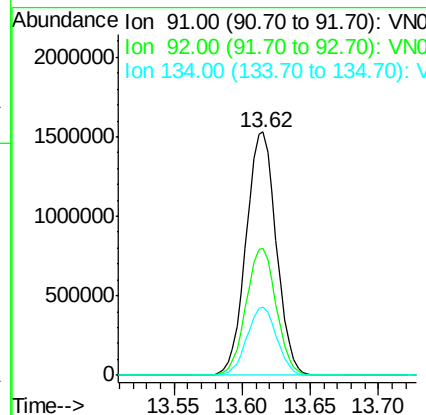
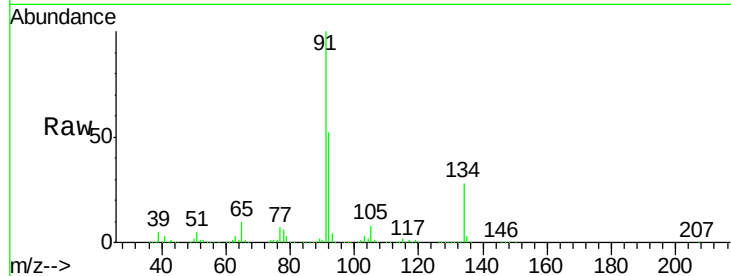
#89
n-Butylbenzene
Concen: 105.479 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2341418
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.2
134 27.9 13.6 40.8

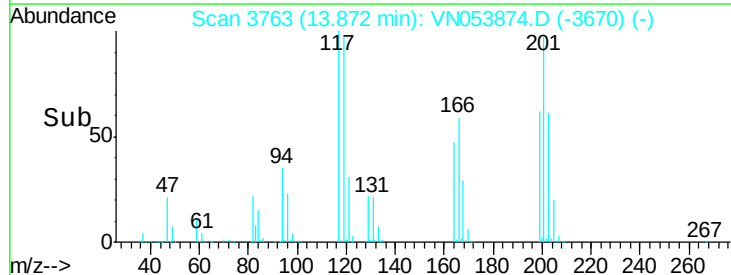
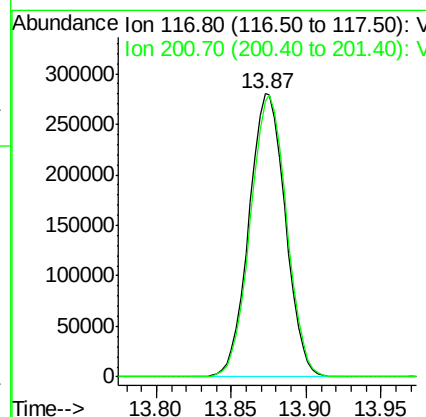
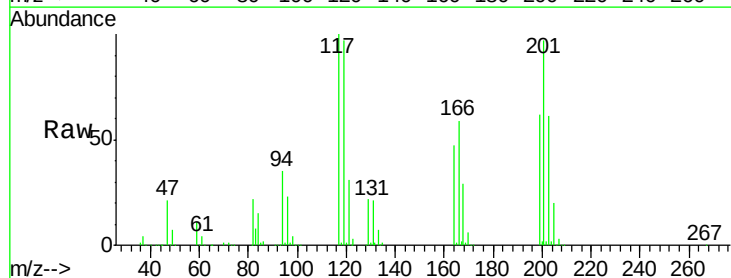
Manual Integrations
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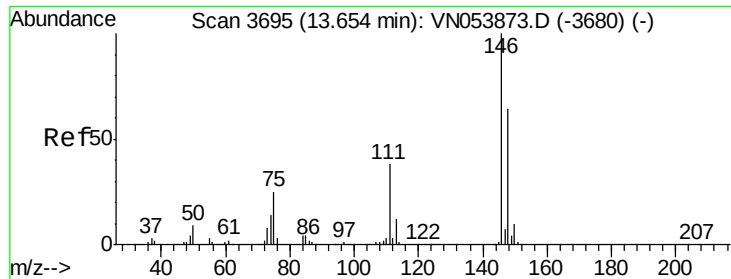
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#90
Hexachloroethane
Concen: 91.989 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion: 117 Resp: 474377
Ion Ratio Lower Upper
117 100
201 99.1 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 97.623 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Instrument :

MSVOA_N

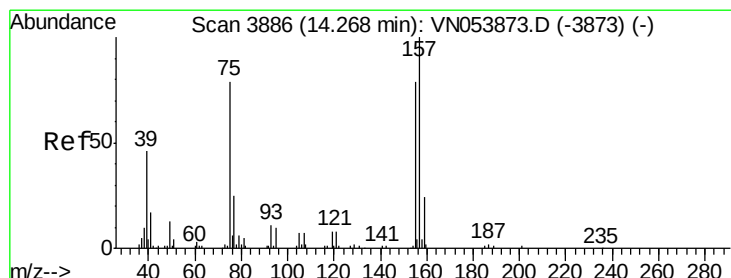
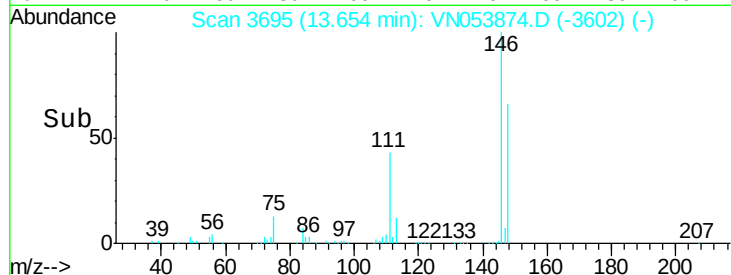
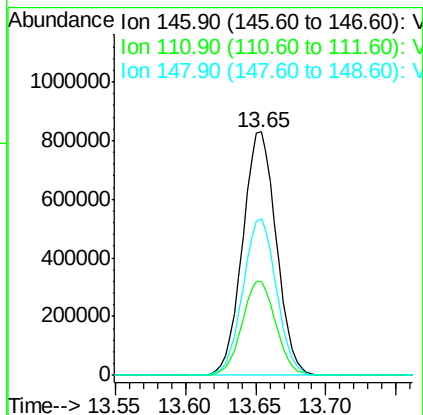
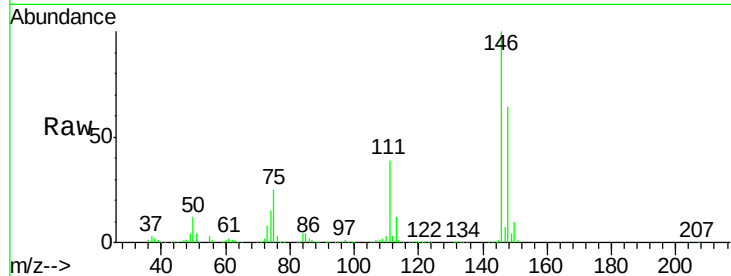
ClientSampled :

VSTDIC100

Tot Ion:	146	Resp:	1389551
Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	64.0	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 101.983 ug/l

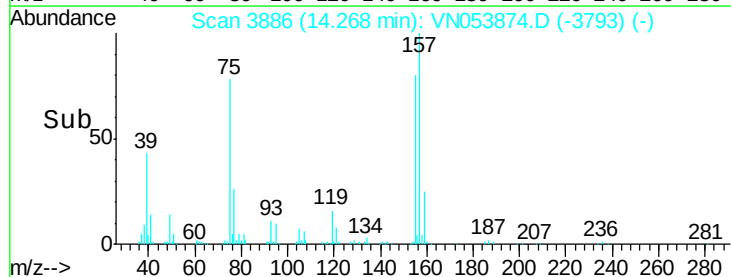
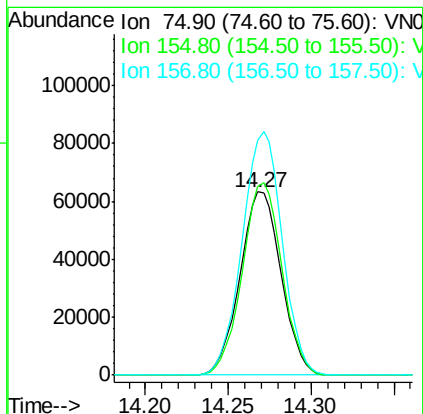
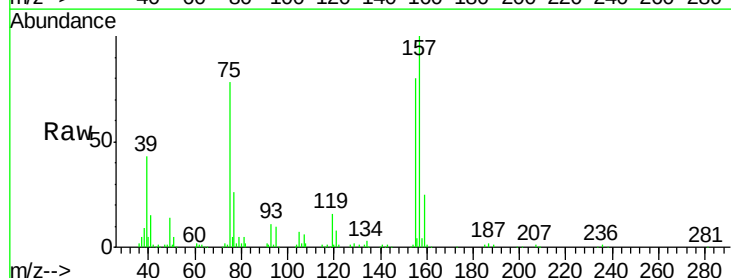
RT: 14.27 min Scan# 3886

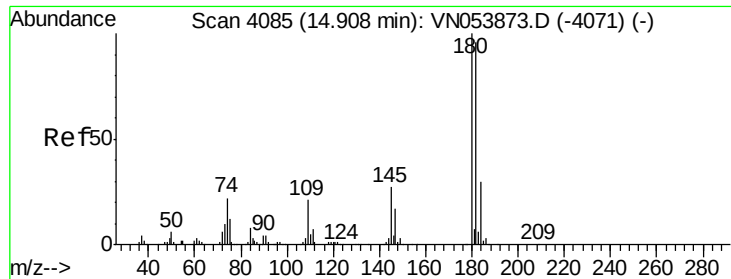
Delta R.T. -0.00 min

Lab File: VN053874.D

Acq: 20 Feb 2019 10:17

Tgt Ion:	75	Resp:	109045
Ion	Ratio	Lower	Upper
75	100		
155	101.4	49.5	148.5
157	129.8	64.8	194.6





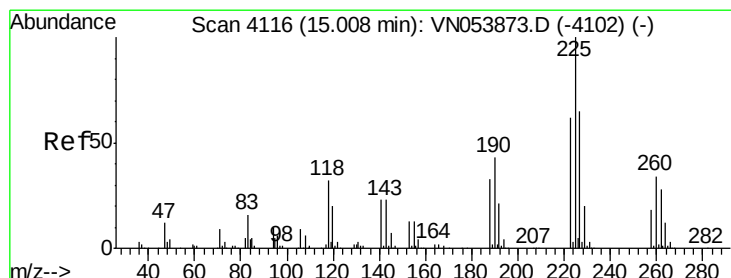
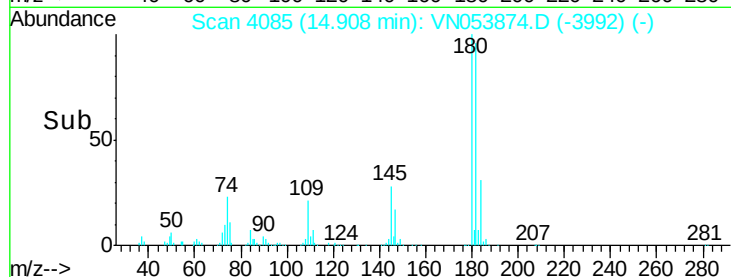
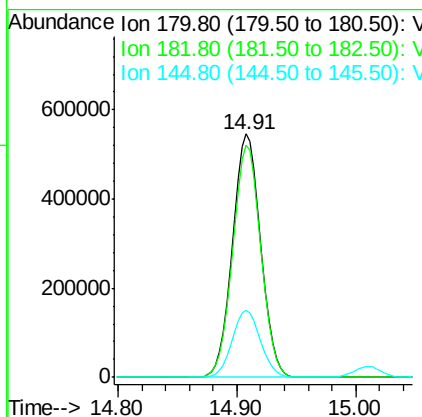
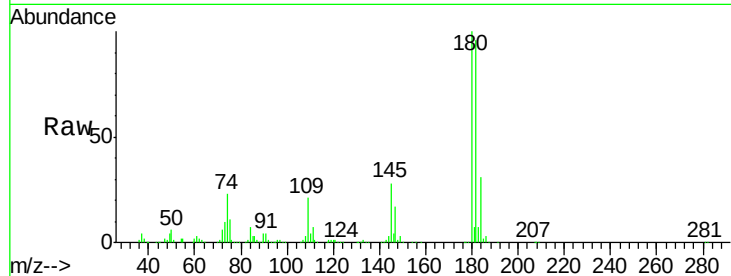
#93
 1,2,4-Trichlorobenzene
 Concen: 122.064 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	891568		
182	95.4	48.6	145.9	
145	27.7	13.8	41.3	

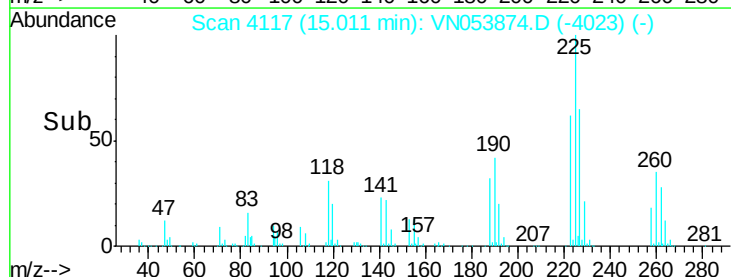
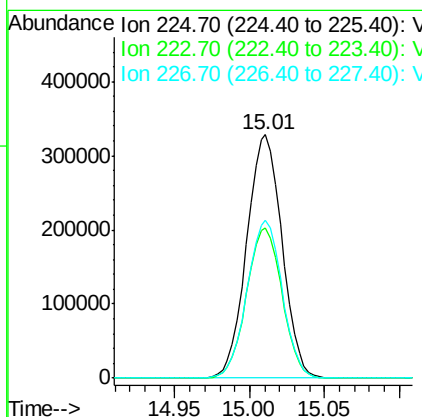
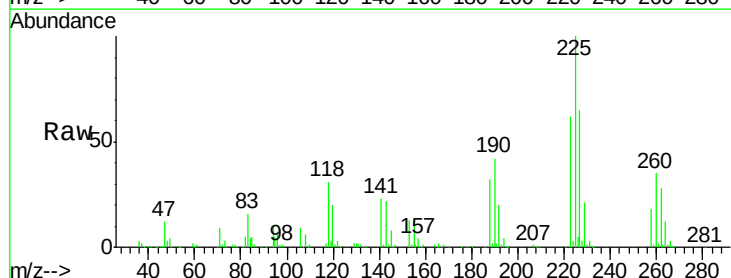
Manual Integrations
 APPROVED

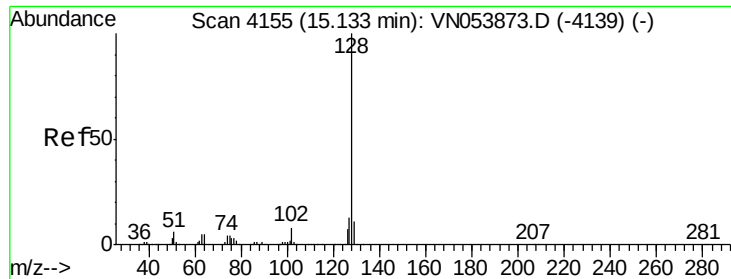
MMDadoda
 2/21/2019 10:52:05 AM



#94
 Hexachlorobutadiene
 Concen: 90.835 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053874.D
 Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	539201		
223	62.0	30.9	92.5	
227	64.4	32.5	97.4	





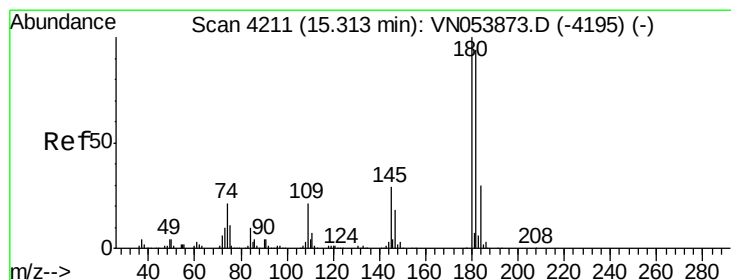
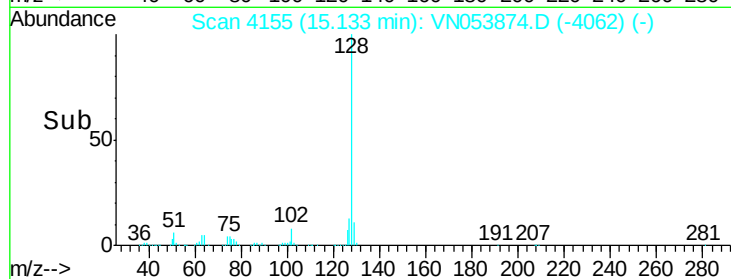
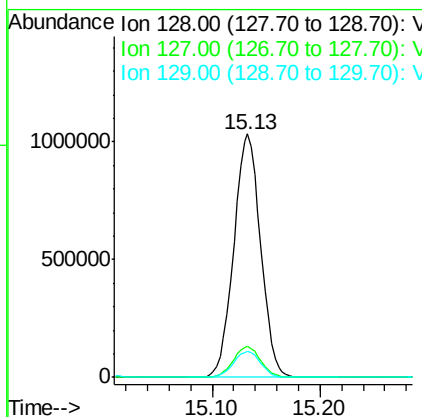
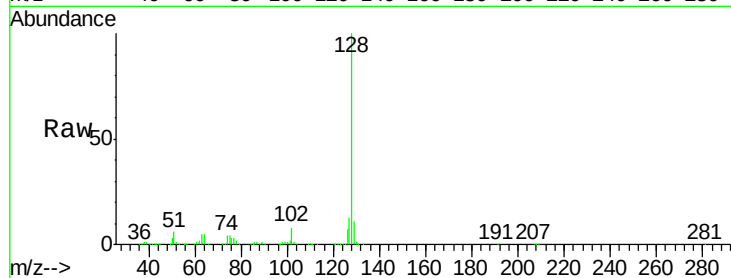
#95
Naphthalene
Concen: 130.891 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/21/2019 10:52:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 117.454 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053874.D
Acq: 20 Feb 2019 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	29.0	14.4	43.0

