

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053872.D
 Acq On : 20 Feb 2019 9:24
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:51:54 AM

Quant Time: Feb 21 03:23:44 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	614565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	933161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	376938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	128399	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
35) Dibromofluoromethane	7.59	113	124040	20.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.50%	
50) Toluene-d8	10.09	98	454102	20.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.06%	
62) 4-Bromofluorobenzene	12.40	95	142685	19.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	111244	20.835	ug/l	99
3) Chloromethane	2.06	50	134093	20.201	ug/l	99
4) Vinyl Chloride	2.19	62	145009	20.351	ug/l	99
5) Bromomethane	2.57	94	98444	18.866	ug/l	97
6) Chloroethane	2.71	64	89646	19.466	ug/l	98
7) Trichlorofluoromethane	3.02	101	210945	20.848	ug/l	98
8) Diethyl Ether	3.41	74	73400	20.636	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	125326	20.552	ug/l	99
10) Methyl Iodide	3.96	142	175532	19.411	ug/l	99
11) Tert butyl alcohol	4.79	59	38798	98.953	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	117453	20.594	ug/l	99
13) Acrolein	3.62	56	6749	24.083	ug/l	94
14) Allyl chloride	4.33	41	171326	19.849	ug/l	99
15) Acrylonitrile	4.99	53	202657	102.601	ug/l	100
16) Acetone	3.82	43	184554	106.843	ug/l	96
17) Carbon Disulfide	4.06	76	346040	19.590	ug/l	99
18) Methyl Acetate	4.33	43	76663	19.407	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	296409	20.485	ug/l	98
20) Methylene Chloride	4.55	84	127031	19.643	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	121514	20.301	ug/l	93
22) Diisopropyl ether	5.95	45	330937	20.568	ug/l	97
23) Vinyl Acetate	5.90	43	1179197	103.272	ug/l	100
24) 1,1-Dichloroethane	5.85	63	219534	20.152	ug/l	99
25) 2-Butanone	6.84	43	226966	101.828	ug/l	99
26) 2,2-Dichloropropane	6.82	77	164417	19.889	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	136818	20.404	ug/l	100
28) Bromochloromethane	7.19	49	97479	20.503	ug/l	99
29) Tetrahydrofuran	7.22	42	149964	104.034	ug/l	99
30) Chloroform	7.37	83	221809	20.264	ug/l	98
31) Cyclohexane	7.65	56	201158	17.705	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	189533	20.237	ug/l	99
36) 1,1-Dichloropropene	7.79	75	161826	18.919	ug/l	99
37) Ethyl Acetate	6.93	43	101805	21.567	ug/l	99
38) Carbon Tetrachloride	7.77	117	168316	18.411	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196060	19.892	ug/l	99
40) Benzene	8.04	78	511201	20.216	ug/l	100
41) Methacrylonitrile	7.17	41	49113	16.297	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	151482	20.095	ug/l	100
43) Isopropyl Acetate	8.17	43	168565	18.476	ug/l #	87
44) Trichloroethene	8.84	130	143534	20.277	ug/l	99
45) 1,2-Dichloropropane	9.12	63	131210	20.325	ug/l	98
46) Dibromomethane	9.21	93	80860	20.802	ug/l	99
47) Bromodichloromethane	9.40	83	165582	20.192	ug/l	98
48) Methyl methacrylate	9.20	41	76919	18.336	ug/l	87
49) 1,4-Dioxane	9.20	88	25433	439.602	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	431781	101.806	ug/l	99
52) Toluene	10.16	92	306457	20.451	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	159689	20.055	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	190216	20.267	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	112893	20.609	ug/l	99
56) Ethyl methacrylate	10.43	69	120319	19.510	ug/l	97
57) 1,3-Dichloropropane	10.71	76	189276	20.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	280106	103.673	ug/l	100
59) 2-Hexanone	10.75	43	279873	97.774	ug/l	98
60) Dibromochloromethane	10.90	129	128930	20.164	ug/l	100
61) 1,2-Dibromoethane	11.01	107	111665	20.518	ug/l	98
64) Tetrachloroethene	10.63	164	147705	20.712	ug/l	97
65) Chlorobenzene	11.44	112	329577	19.743	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	123968	20.351	ug/l	99
67) Ethyl Benzene	11.51	91	545610	20.196	ug/l	99
68) m/p-Xylenes	11.62	106	435893	41.670	ug/l	99
69) o-Xylene	11.95	106	207699	20.625	ug/l	100
70) Styrene	11.96	104	326950	20.689	ug/l	100
71) Bromoform	12.13	173	88074	20.374	ug/l #	99
73) Isopropylbenzene	12.25	105	548904	20.671	ug/l	99
74) N-amyl acetate	12.07	43	122856	20.147	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	125252	19.951	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	111332m	22.610	ug/l	
77) Bromobenzene	12.53	156	144197	20.243	ug/l	99
78) n-propylbenzene	12.59	91	621159	20.918	ug/l	100
79) 2-Chlorotoluene	12.68	91	372457	20.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	472050	21.416	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32170	19.193	ug/l	97
82) 4-Chlorotoluene	12.77	91	371024	20.800	ug/l	100
83) tert-Butylbenzene	12.99	119	413128	20.873	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	469619	21.243	ug/l	99
85) sec-Butylbenzene	13.17	105	561413	21.067	ug/l	100
86) p-Isopropyltoluene	13.29	119	491213	21.239	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	254655	20.486	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251425	20.102	ug/l	99
89) n-Butylbenzene	13.62	91	408020	21.453	ug/l	99
90) Hexachloroethane	13.88	117	88804	20.099	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	253425	20.780	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19197	20.955	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	142465	22.765	ug/l	99
94) Hexachlorobutadiene	15.01	225	108543	21.342	ug/l	99
95) Naphthalene	15.13	128	260557	22.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140751	23.178	ug/l	98

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

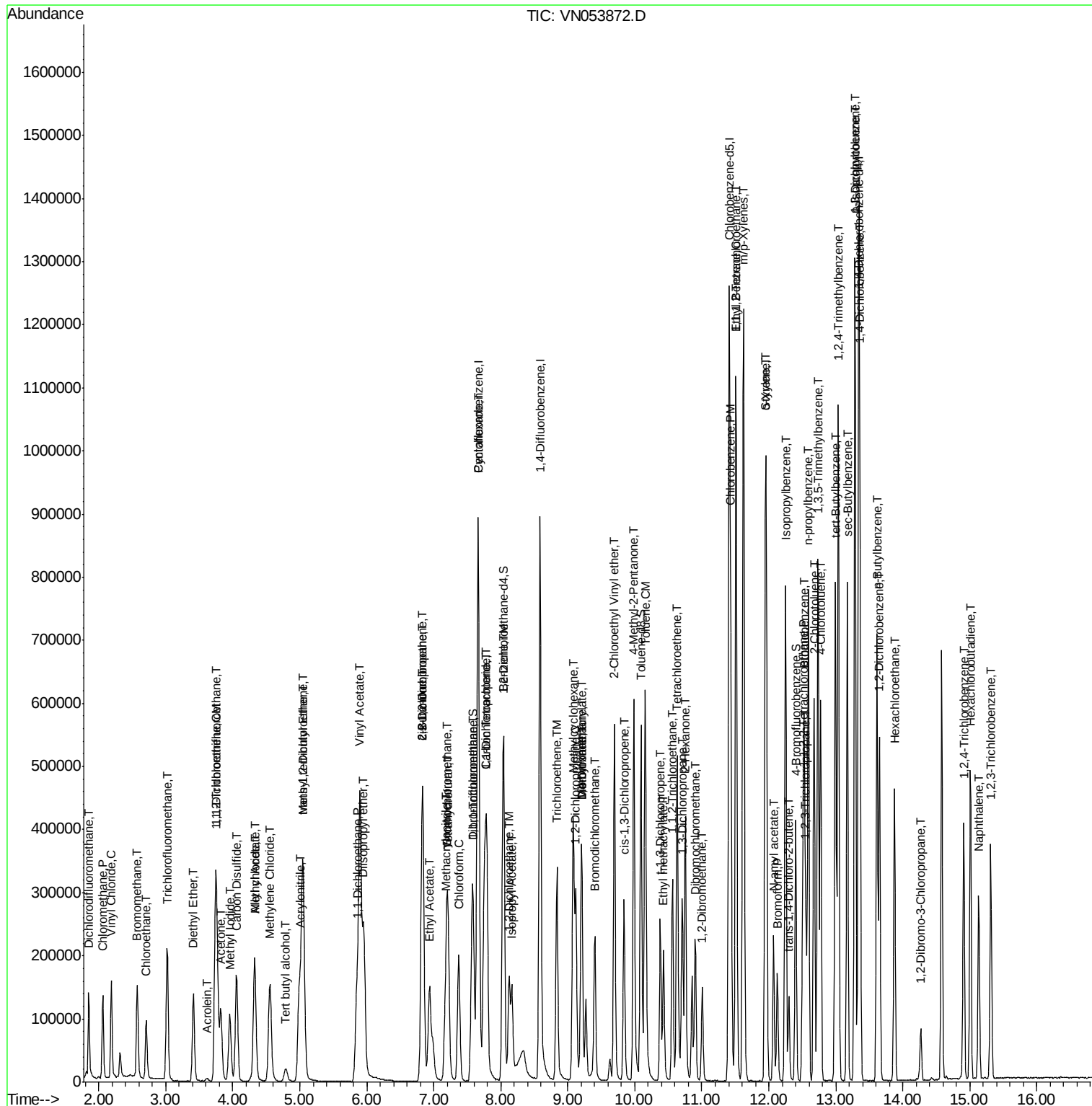
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
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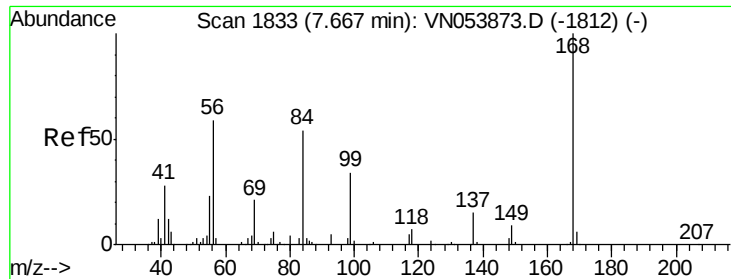
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC020

Tot Ion:168 Resp: 614565

Ion Ratio Lower Upper

168 100

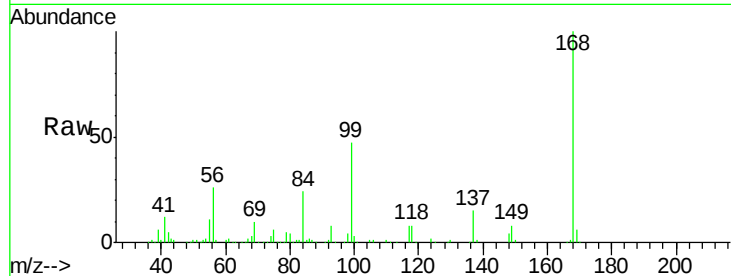
99 46.4 36.9 55.3

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

250000

200000

150000

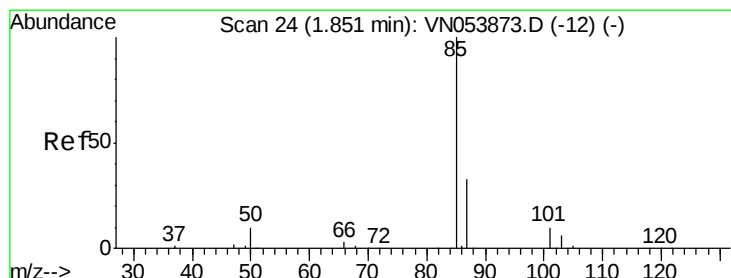
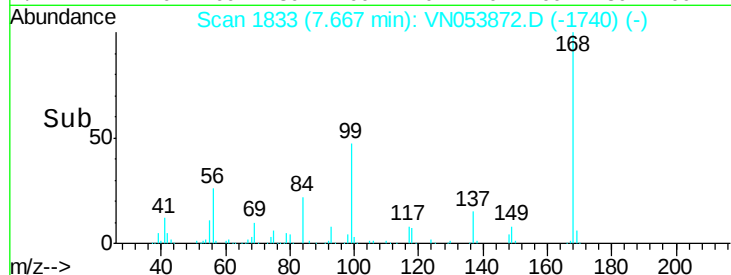
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.835 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053872.D

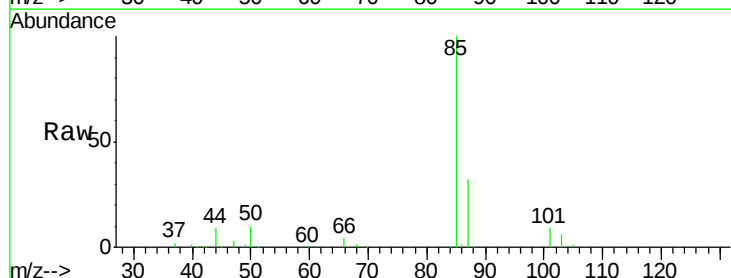
Acq: 20 Feb 2019 9:24

Tgt Ion: 85 Resp: 111244

Ion Ratio Lower Upper

85 100

87 32.4 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

80000

60000

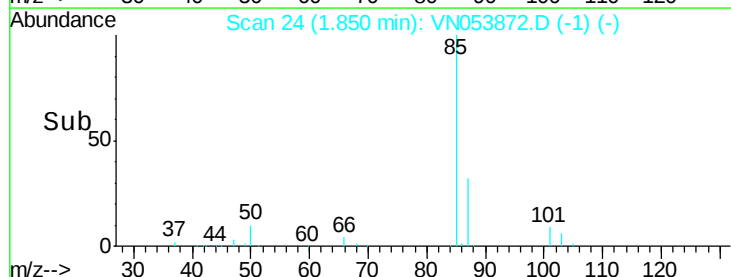
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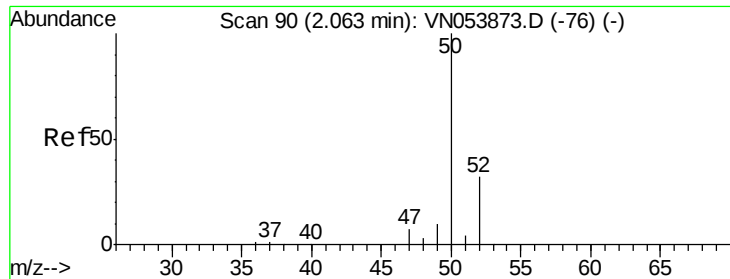
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.201 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

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ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 134093

Ion Ratio Lower Upper

50 100

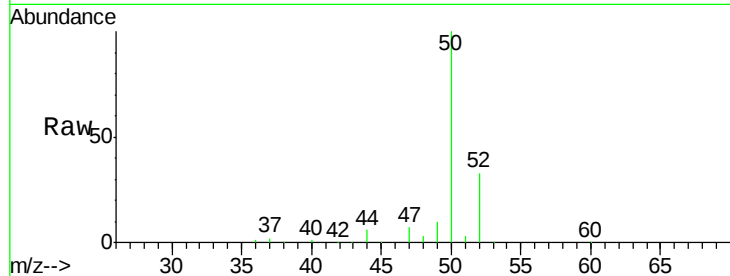
52 32.8 26.0 39.0

Manual Integrations

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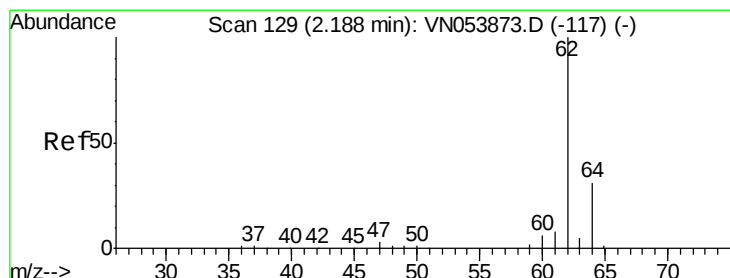
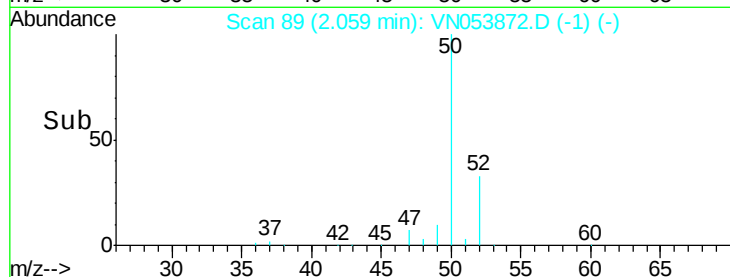
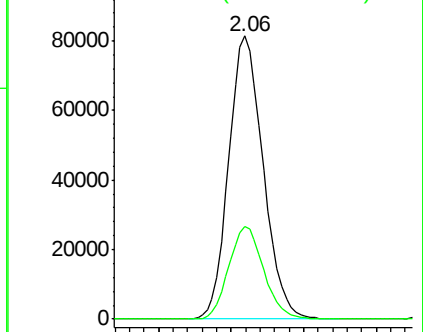
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.351 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053872.D

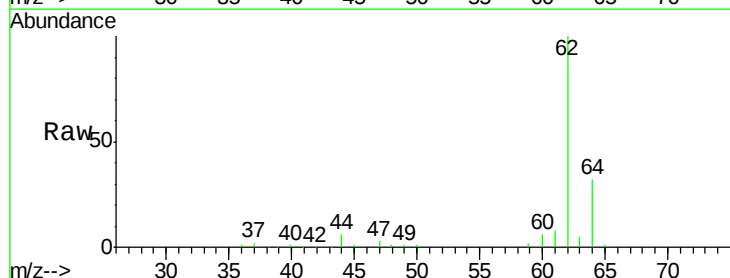
Acq: 20 Feb 2019 9:24

Tgt Ion: 62 Resp: 145009

Ion Ratio Lower Upper

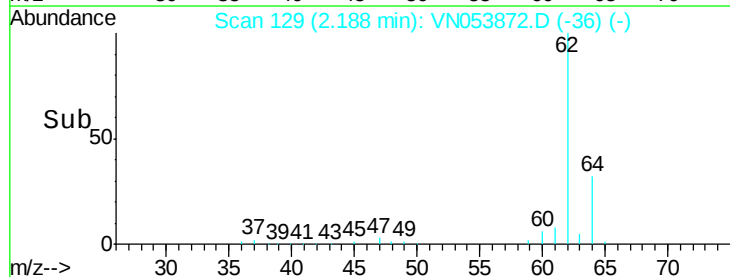
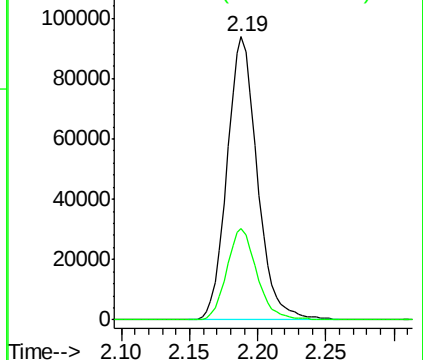
62 100

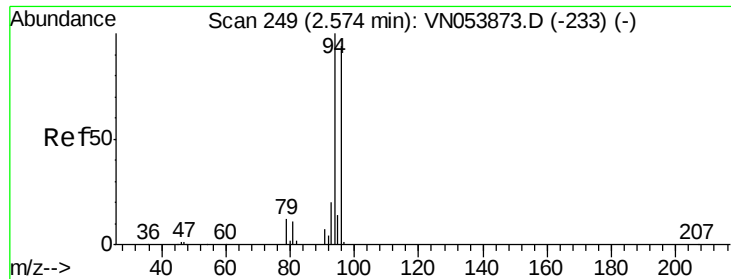
64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.866 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

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Acq: 20 Feb 2019 9:24

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Tot Ion: 94 Resp: 98444

Ion Ratio Lower Upper

94 100

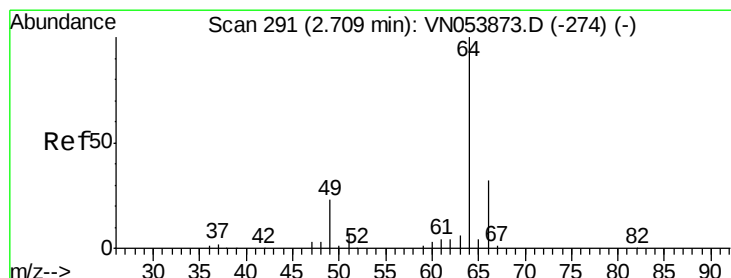
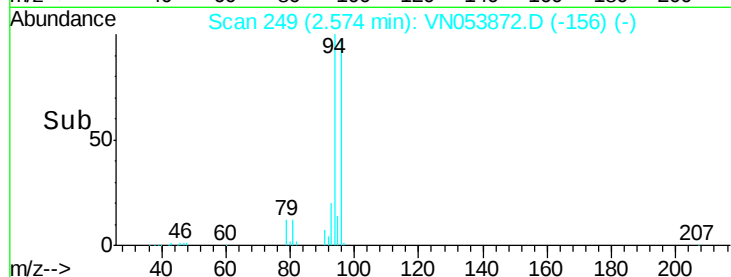
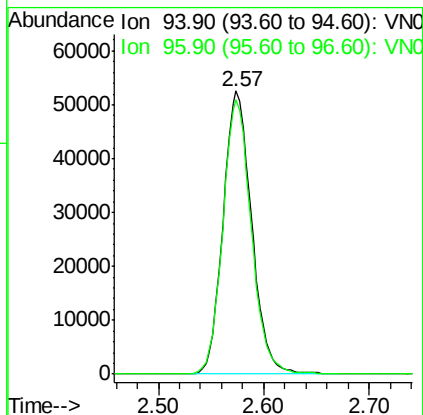
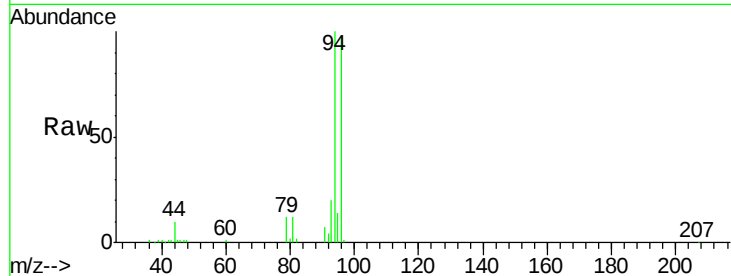
96 96.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 19.466 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

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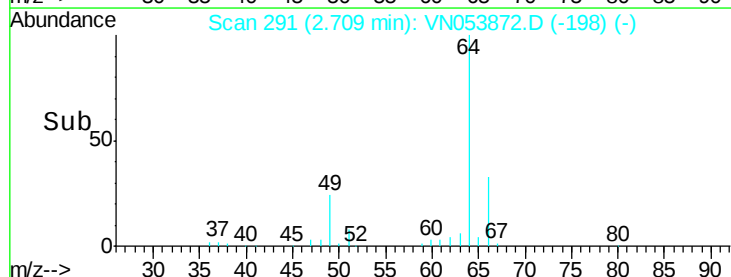
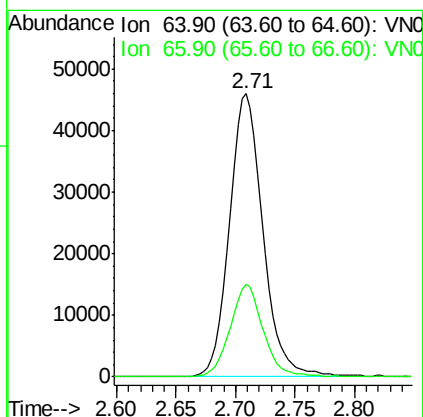
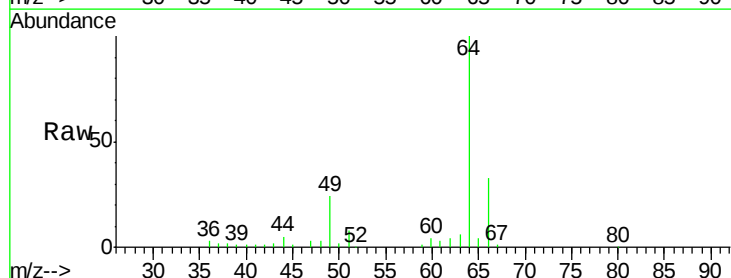
Acq: 20 Feb 2019 9:24

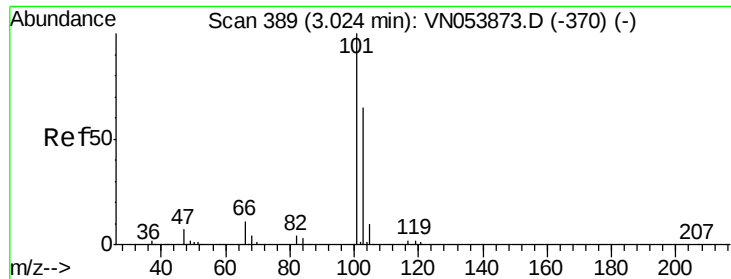
Tgt Ion: 64 Resp: 89646

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3





#7

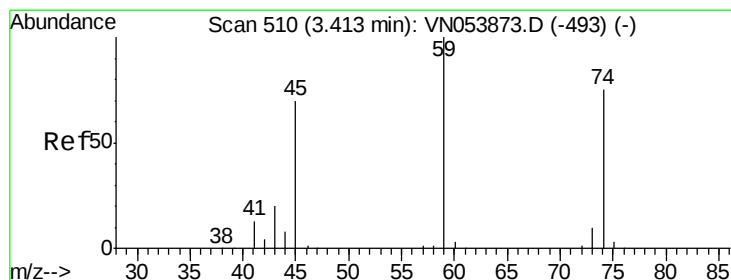
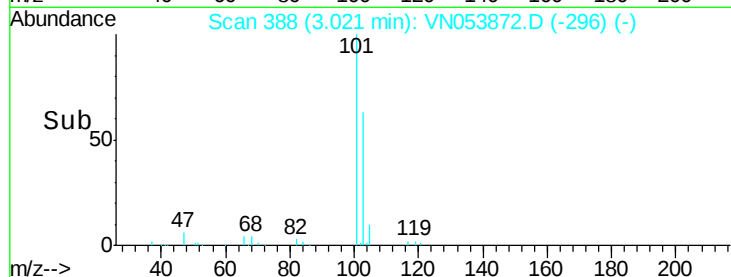
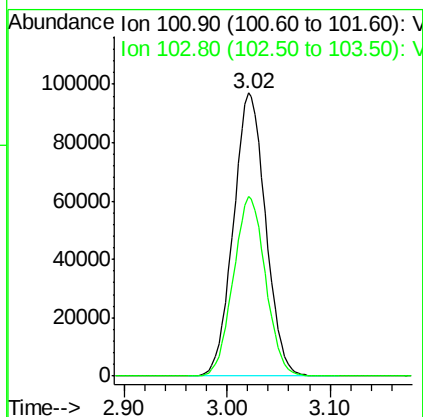
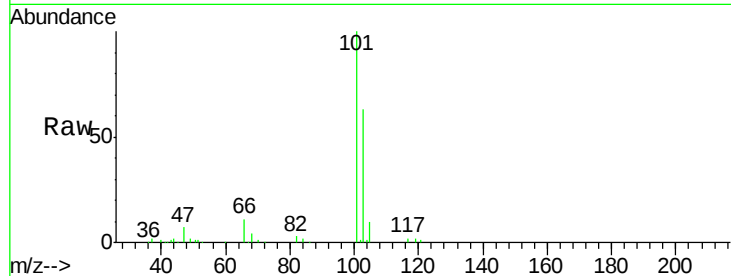
Trichlorofluoromethane
 Concen: 20.848 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053872.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.9	77.9

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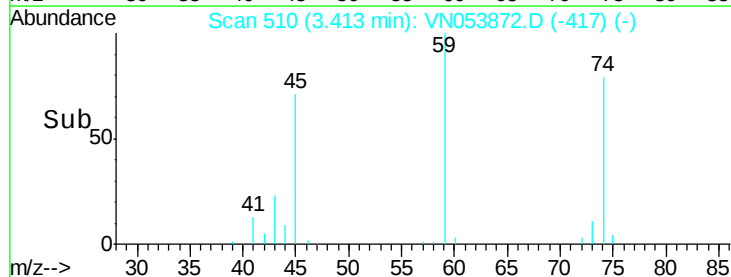
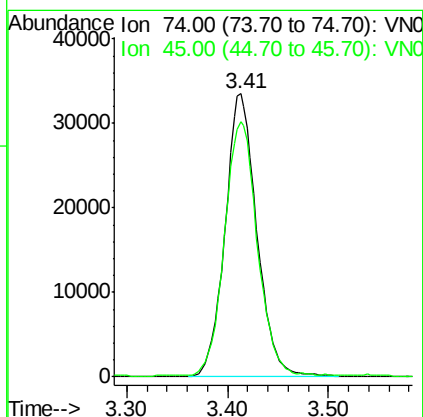
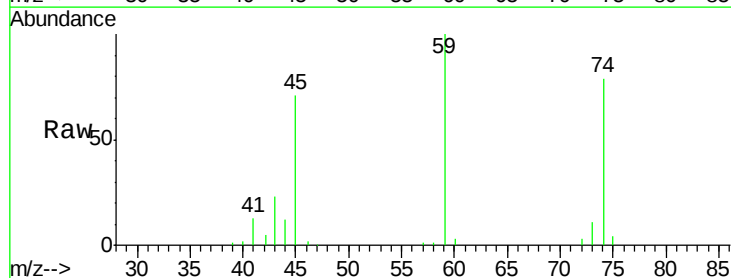
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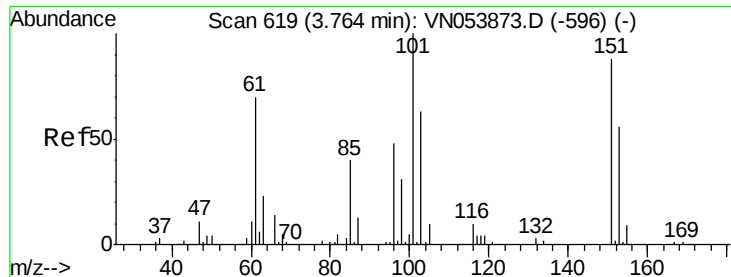


#8

Diethyl Ether
 Concen: 20.636 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053872.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	46.9	140.6





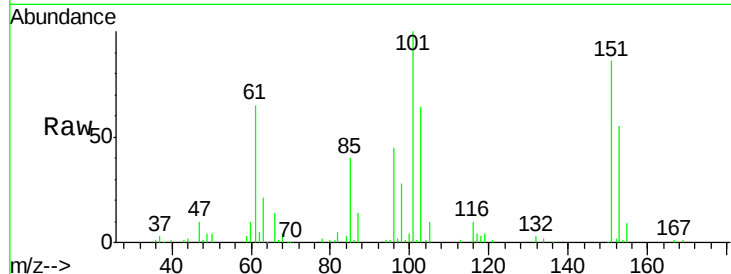
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.552 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	125326		
85	41.5	32.5	48.7	
151	86.8	70.2	105.2	

Manual Integrations
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MMDadoda
 2/21/2019 10:51:54 AM

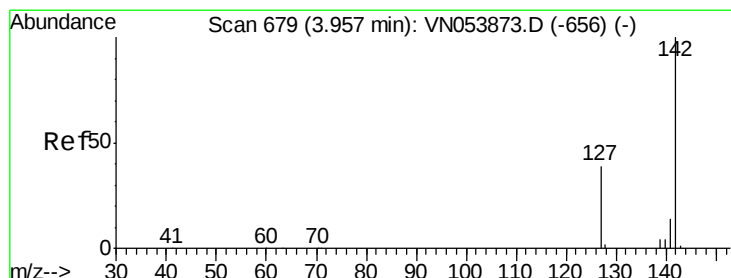
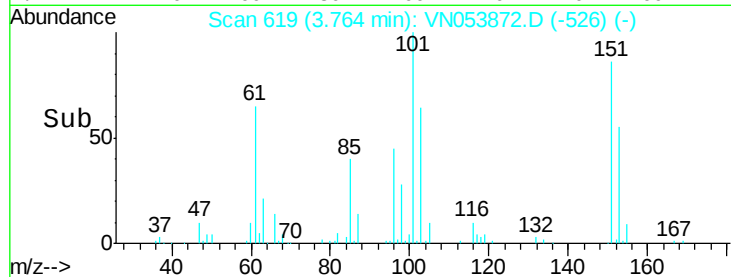
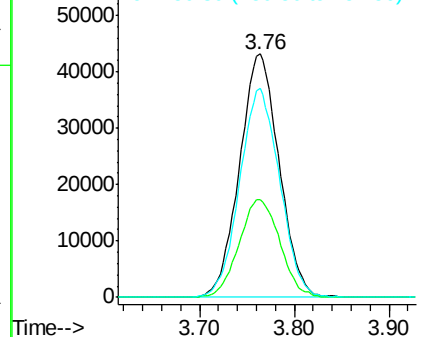


Abundance

Ion 100.90 (100.60 to 101.60): V

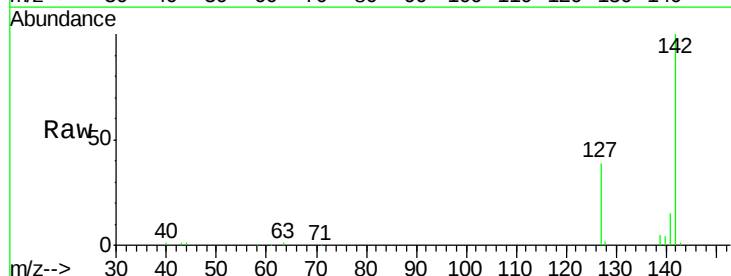
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 19.411 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	175532		
127	38.9	31.0	46.4	
141	14.8	11.3	16.9	

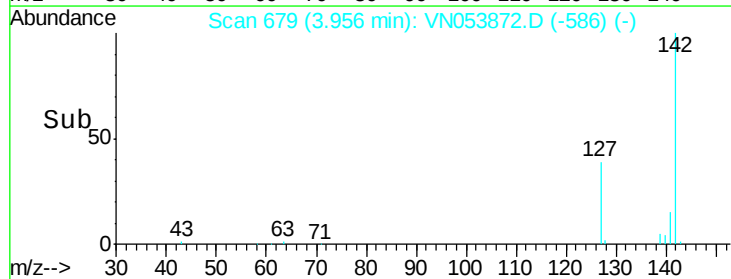
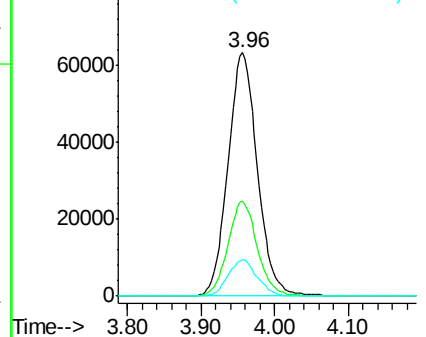


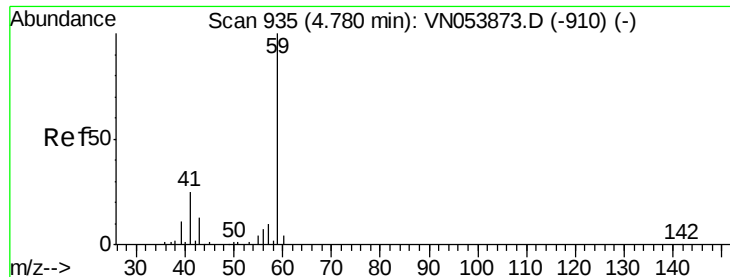
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

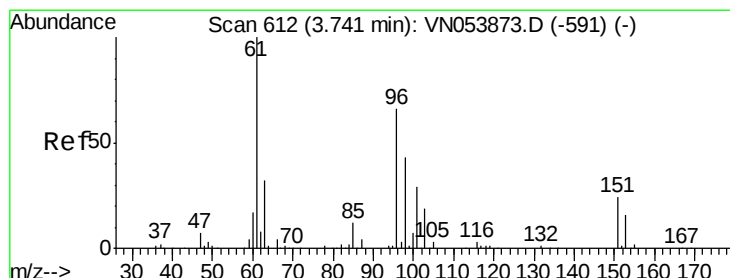
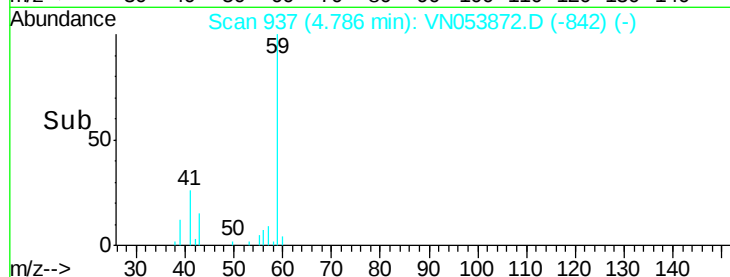
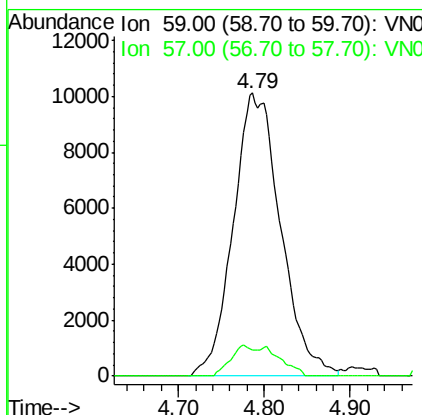
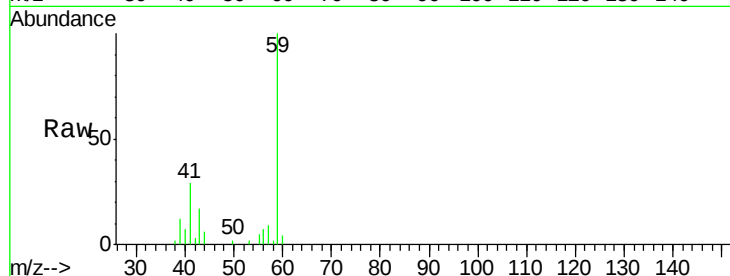
Tert butyl alcohol
Concen: 98.953 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.1	12.1#

Manual Integrations
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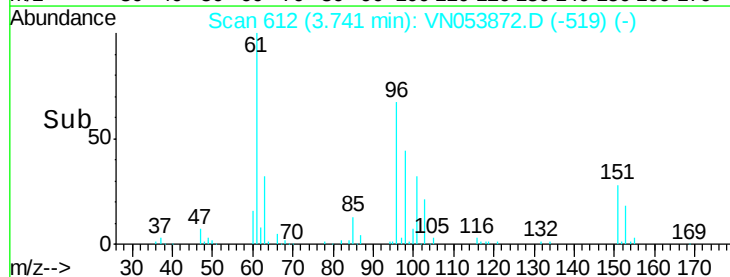
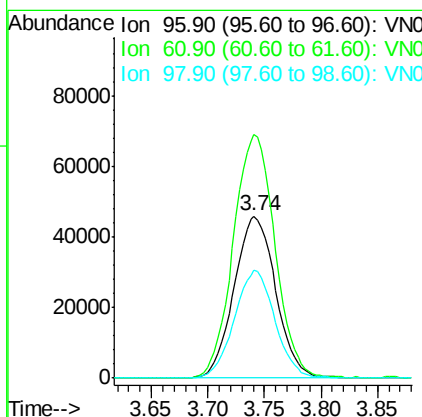
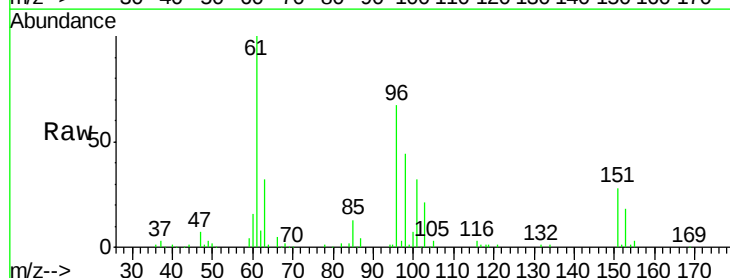
MMDadoda
2/21/2019 10:51:54 AM

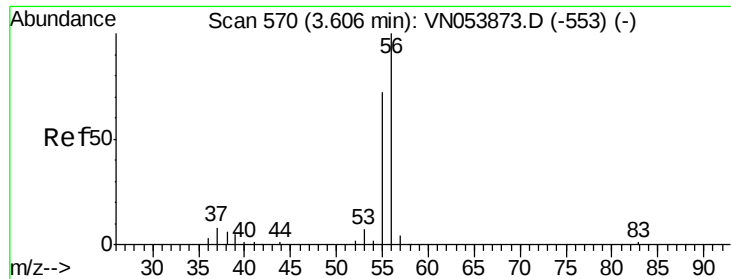


#12

1,1-Dichloroethene
Concen: 20.594 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	121.0	181.4
98	66.5	52.2	78.2





#13

Acrolein

Concen: 24.083 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 6749

Ion Ratio Lower Upper

56 100

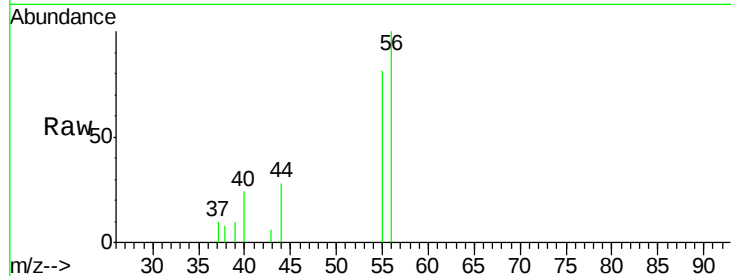
55 75.2 56.3 84.5

Manual Integrations

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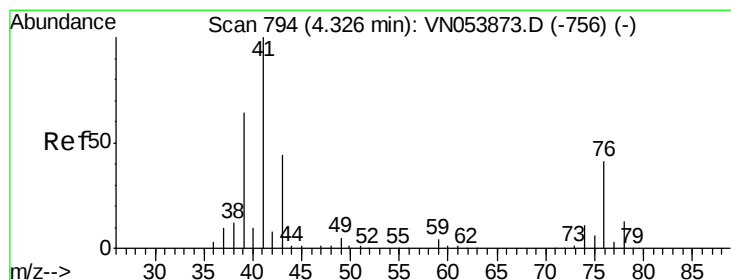
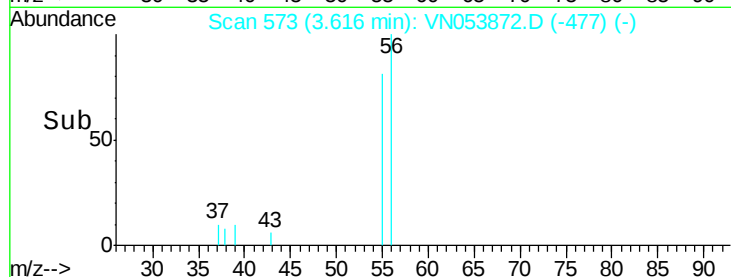
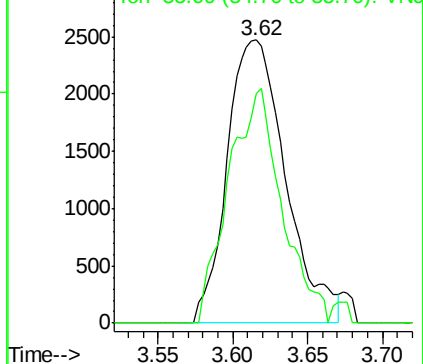
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.849 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

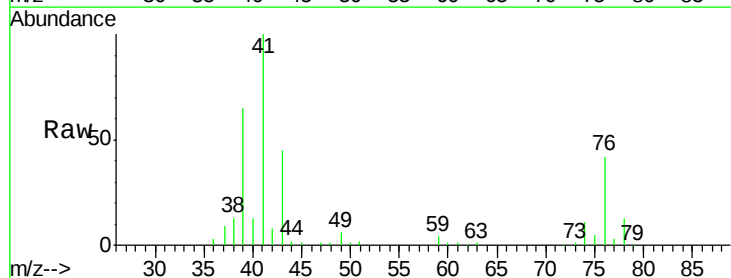
Tgt Ion: 41 Resp: 171326

Ion Ratio Lower Upper

41 100

39 60.4 48.8 73.2

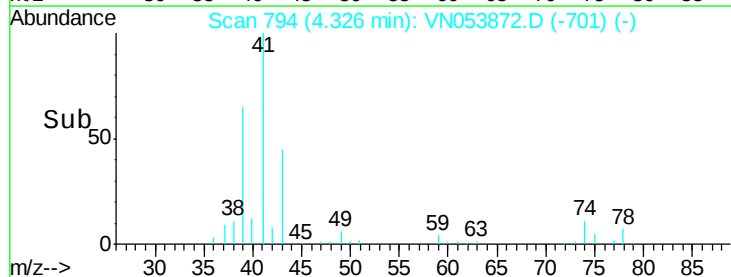
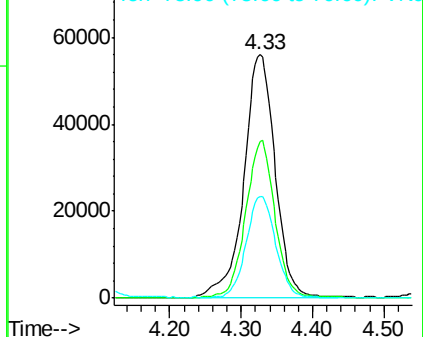
76 39.4 30.9 46.3

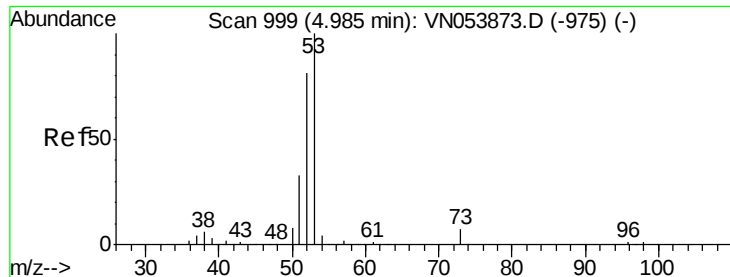


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 102.601 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

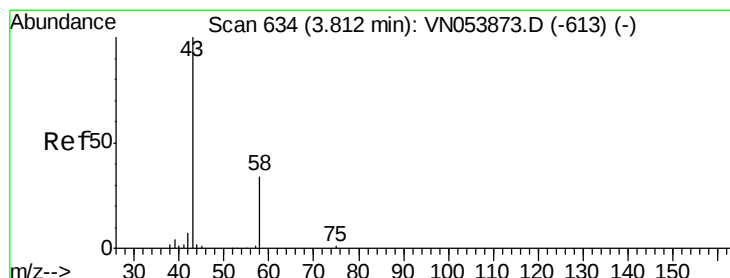
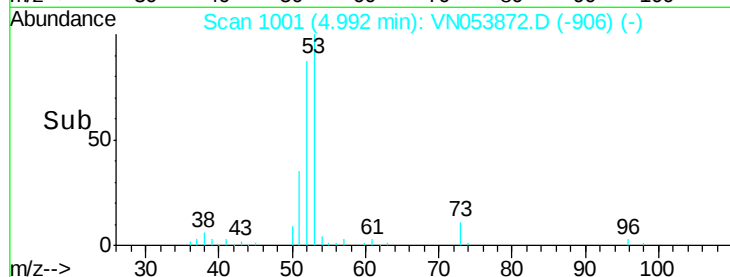
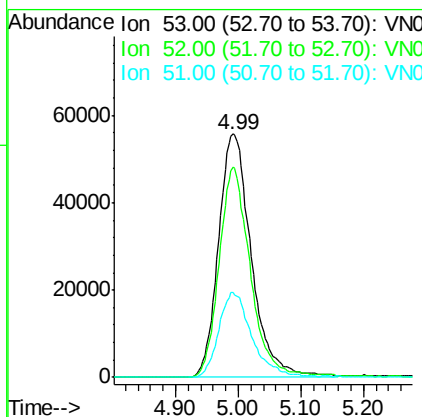
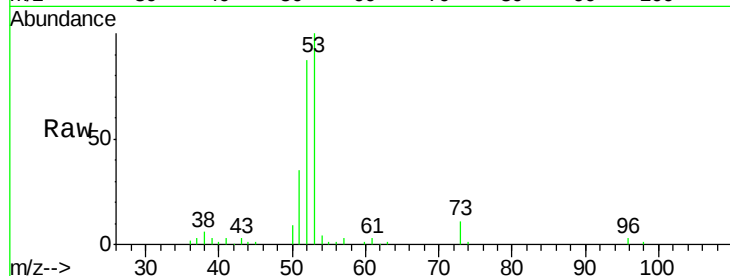
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	202657
Ion Ratio		Lower	Upper
53	100		
52	81.0	65.1	97.7
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 106.843 ug/l

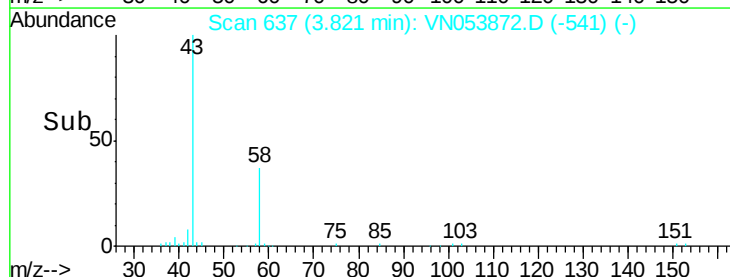
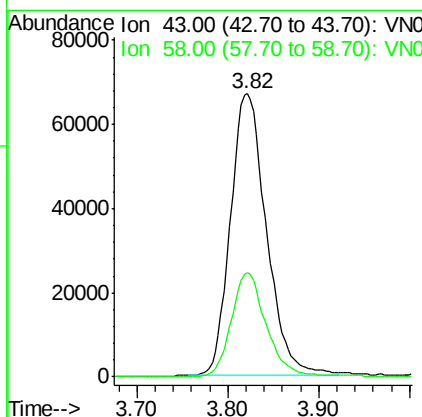
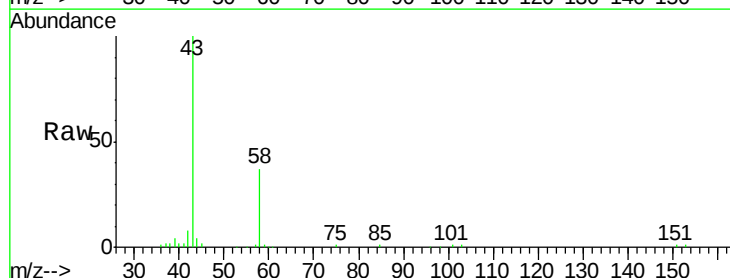
RT: 3.82 min Scan# 637

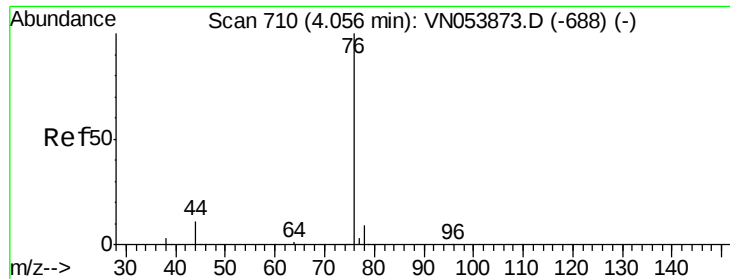
Delta R.T. 0.01 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Tgt Ion:	43	Resp:	184554
Ion Ratio		Lower	Upper
43	100		
58	37.0	27.6	41.4





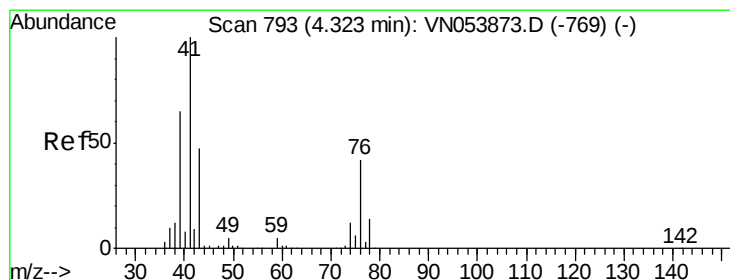
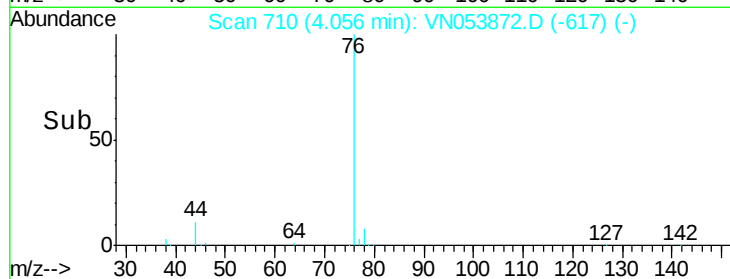
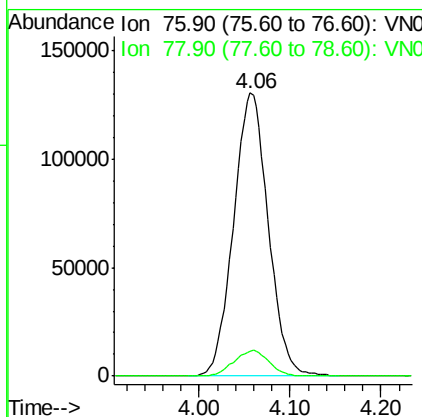
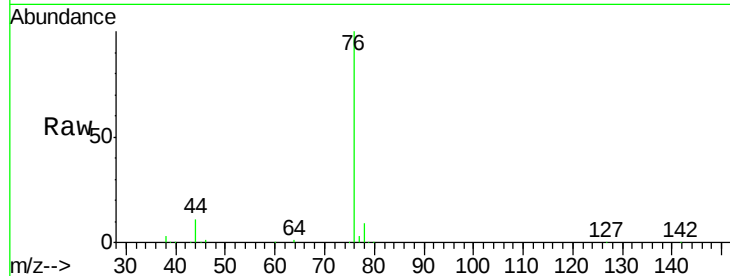
#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

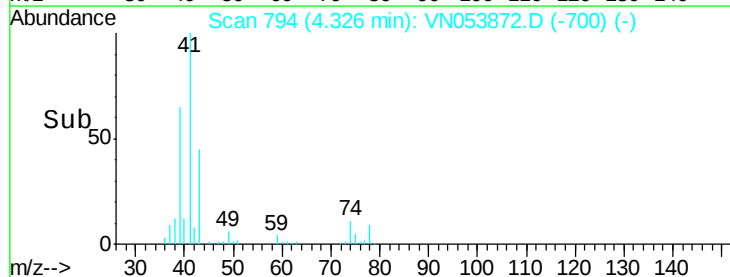
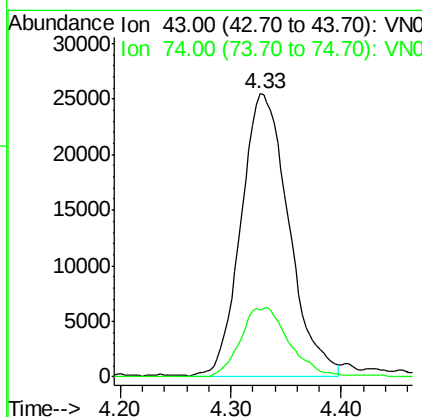
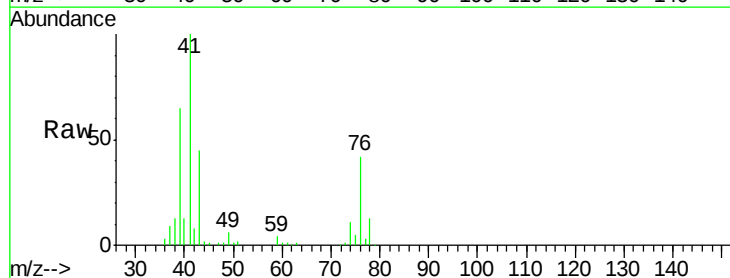
Manual Integrations
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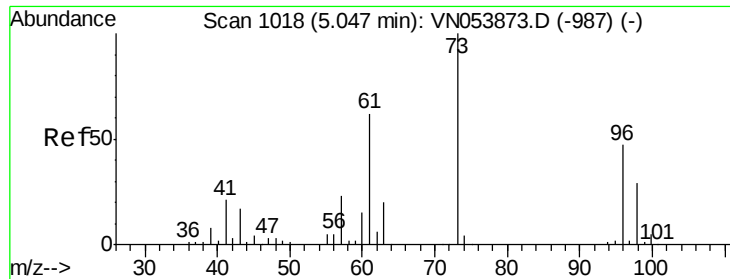
MMDadoda
2/21/2019 10:51:54 AM



#18
Methyl Acetate
Concen: 19.407 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.5	30.7





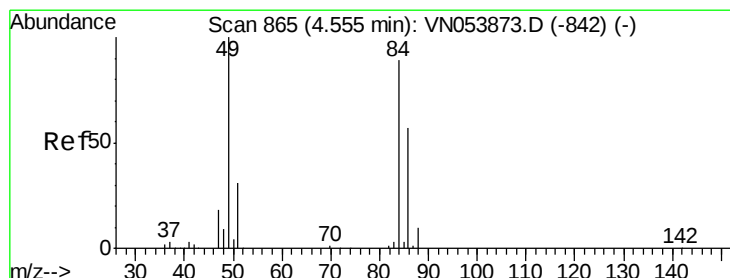
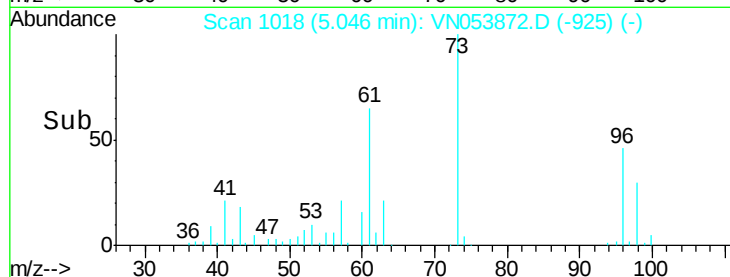
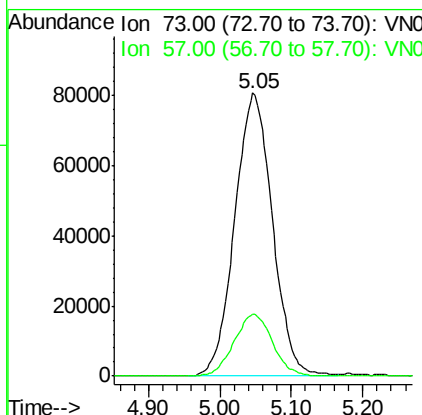
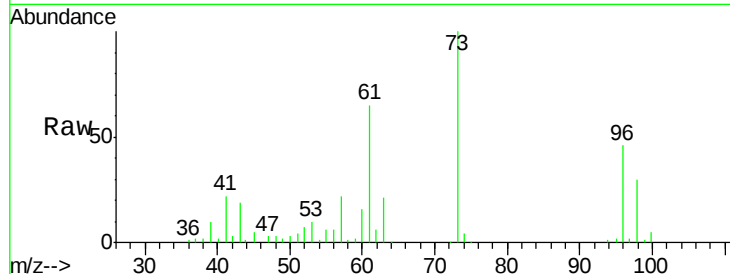
#19
Methvl tert-butvl Ether
Concen: 20.485 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 296409
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0

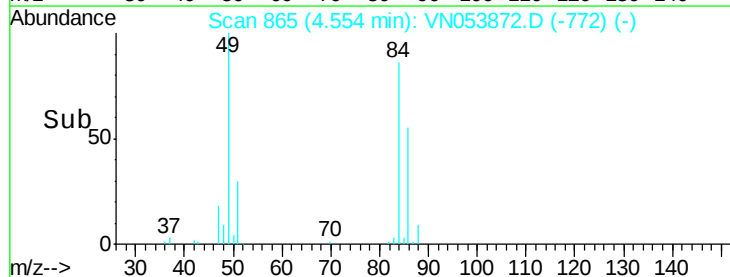
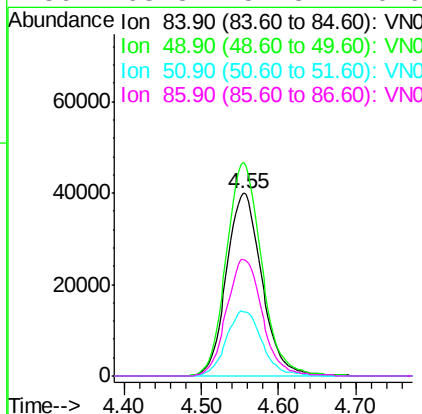
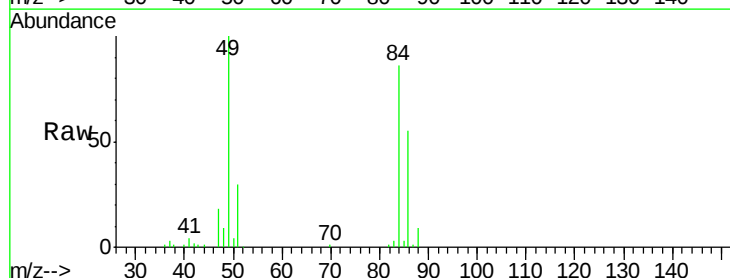
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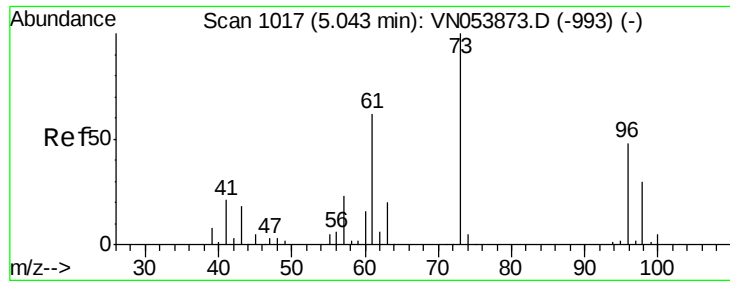
MMDadoda
2/21/2019 10:51:54 AM



#20
Methylene Chloride
Concen: 19.643 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion: 84 Resp: 127031
Ion Ratio Lower Upper
84 100
49 116.9 89.7 134.5
51 35.2 27.8 41.8
86 63.8 51.3 76.9





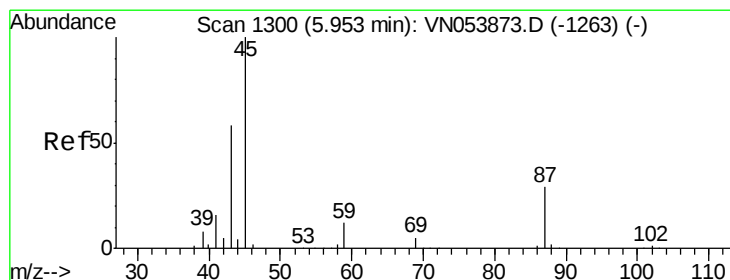
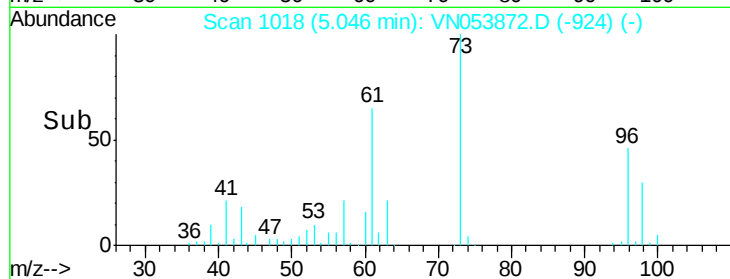
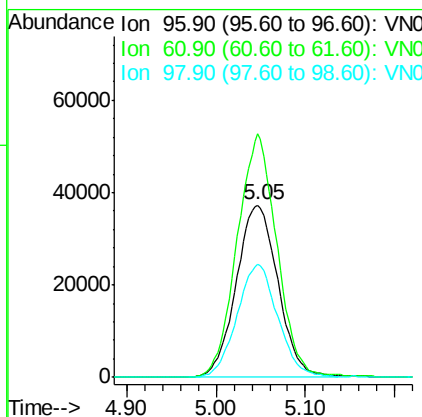
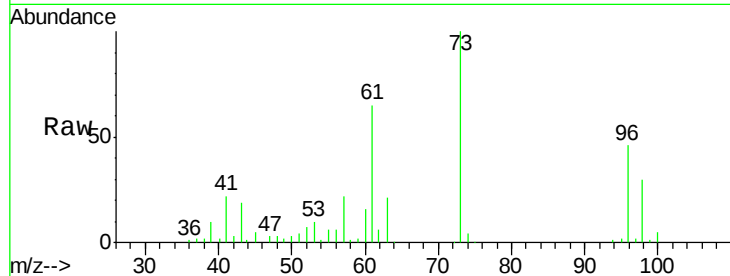
#21
trans-1,2-Dichloroethene
Concen: 20.301 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	104.5	156.7
98	65.6	50.6	76.0

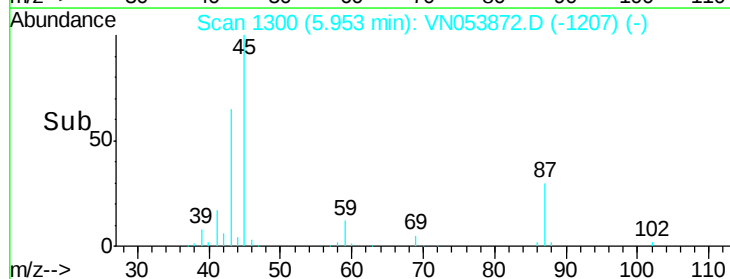
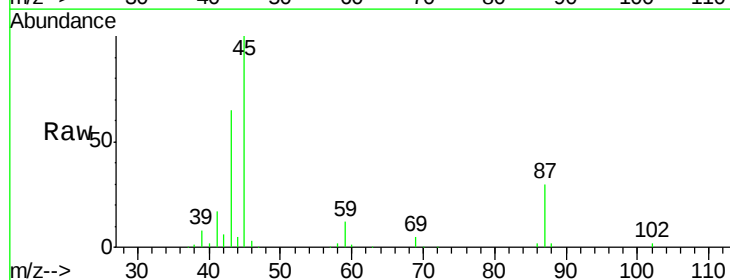
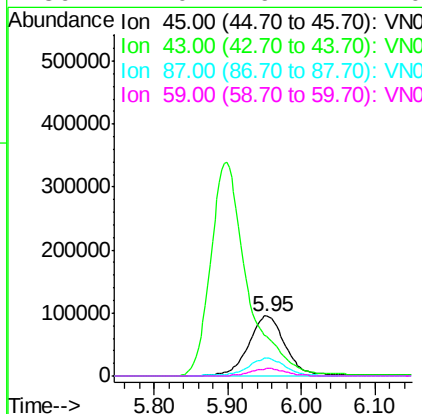
Manual Integrations
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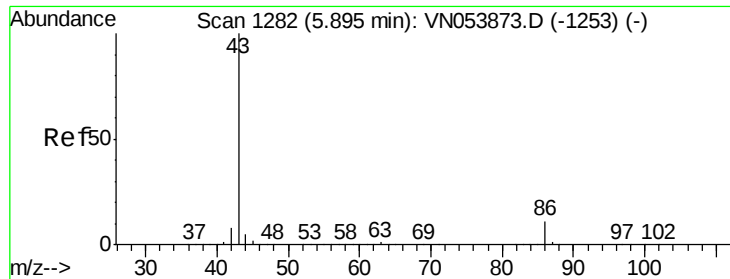
MMDadoda
2/21/2019 10:51:54 AM



#22
Diisopropyl ether
Concen: 20.568 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	46.2	69.4
87	28.8	23.4	35.0
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 103.272 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1179197

Ion Ratio Lower Upper

43 100

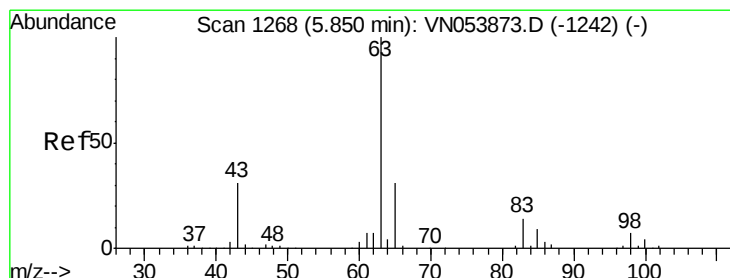
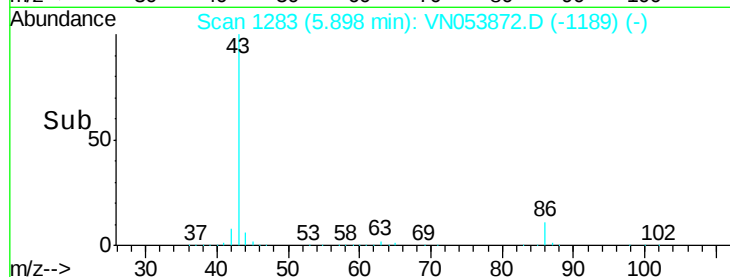
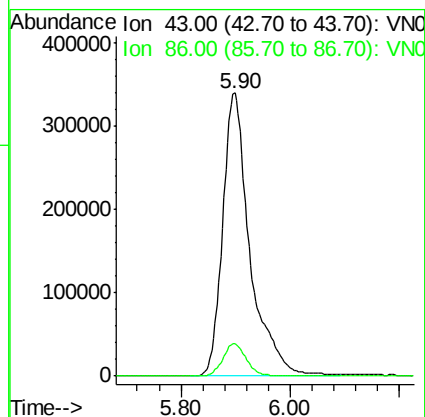
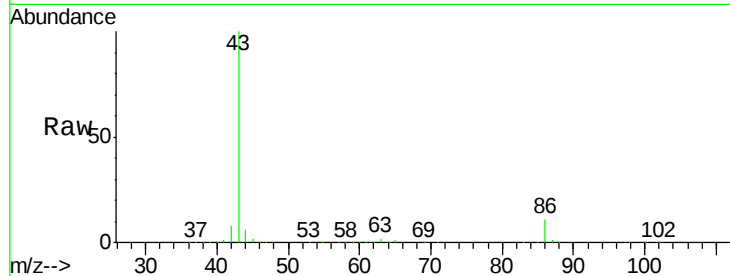
86 11.4 9.1 13.7

Manual Integrations

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MMDadoda

2/21/2019 10:51:54 AM



#24

1,1-Dichloroethane

Concen: 20.152 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

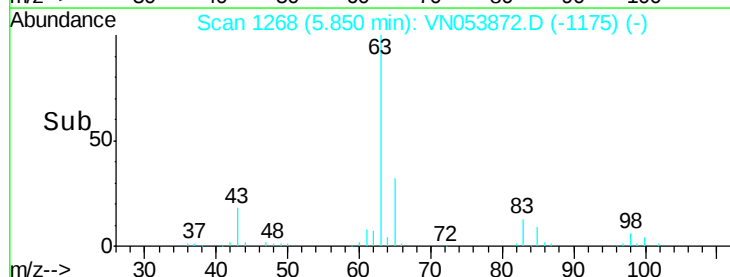
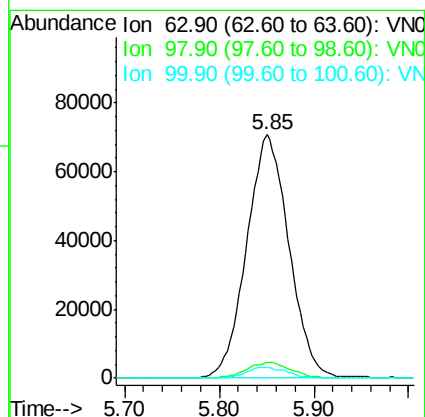
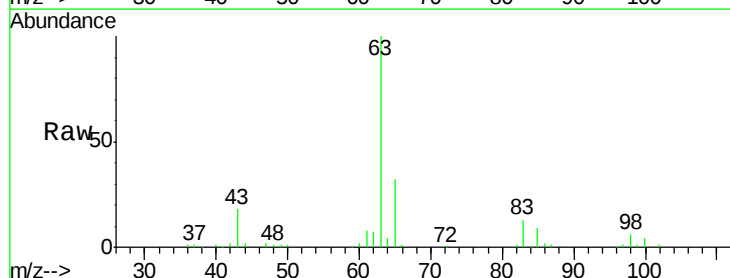
Tgt Ion: 63 Resp: 219534

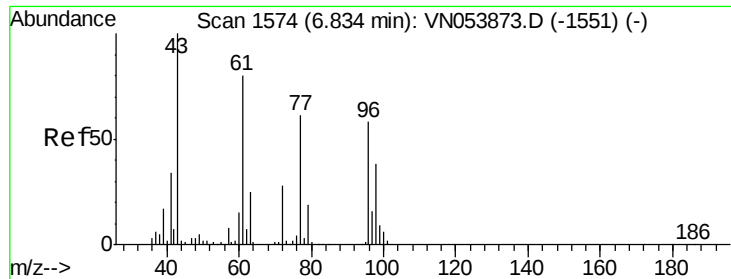
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 101.828 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 226966

Ion Ratio Lower Upper

43 100

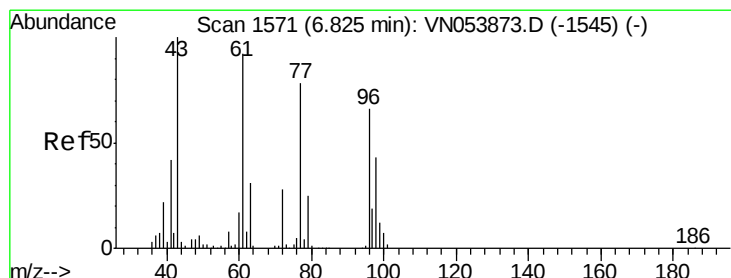
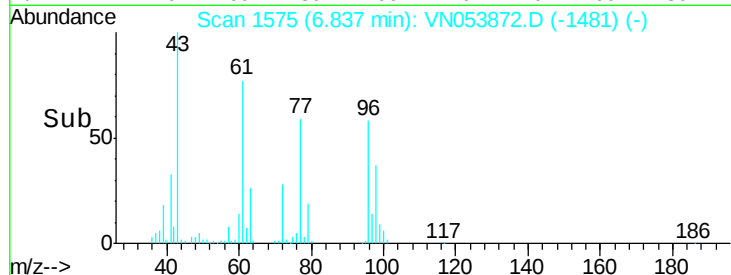
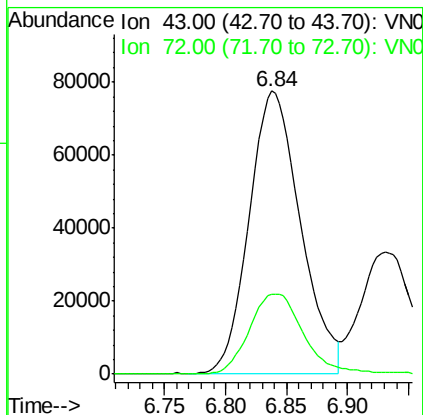
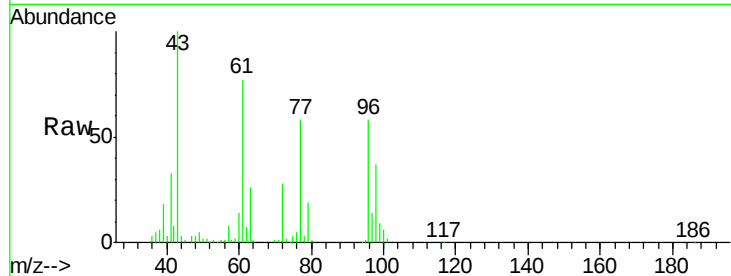
72 28.2 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 19.889 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053872.D

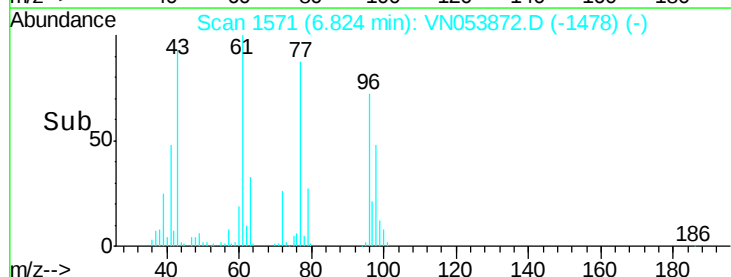
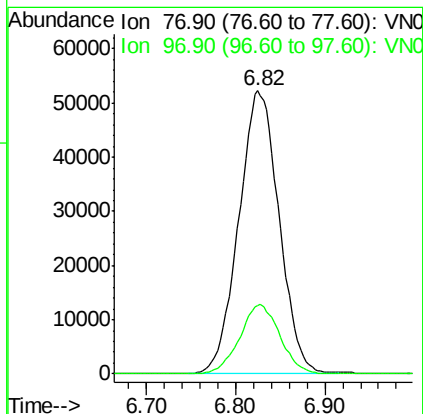
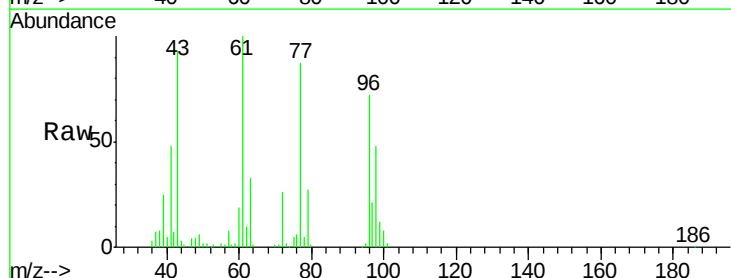
Acq: 20 Feb 2019 9:24

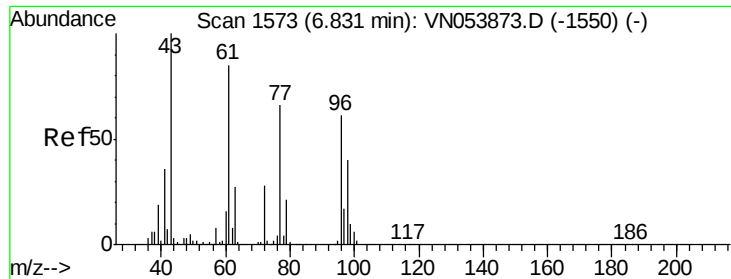
Tgt Ion: 77 Resp: 164417

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.404 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053872.D

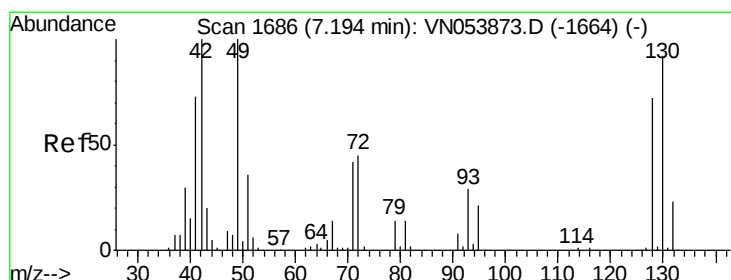
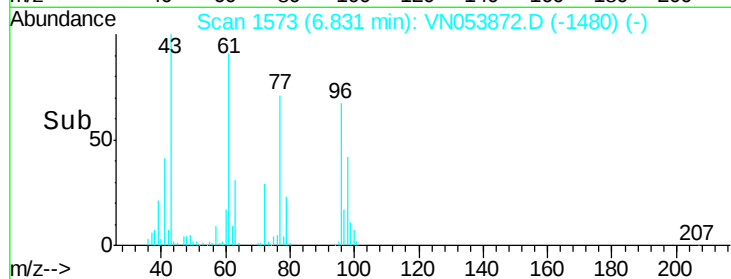
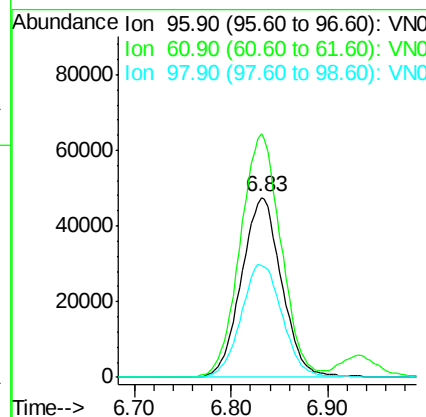
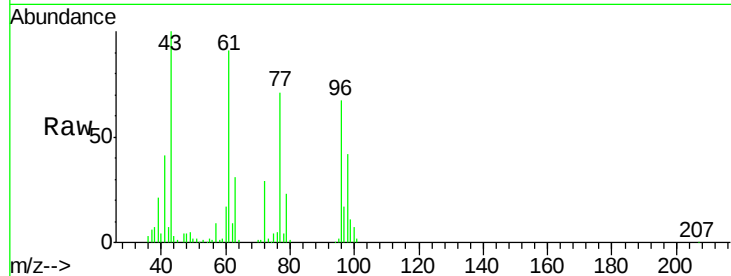
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	136818		
61	137.8	0.0	275.6	
98	64.7	0.0	130.0	

Manual Integrations
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#28

Bromochloromethane

Concen: 20.503 ug/l

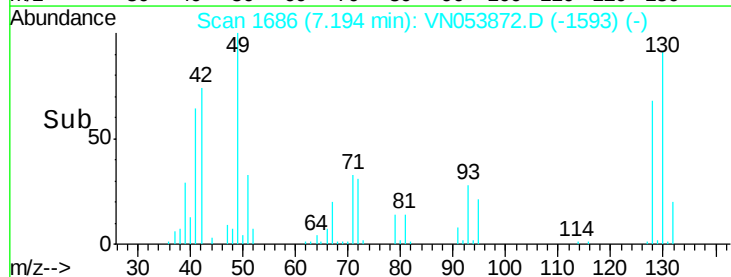
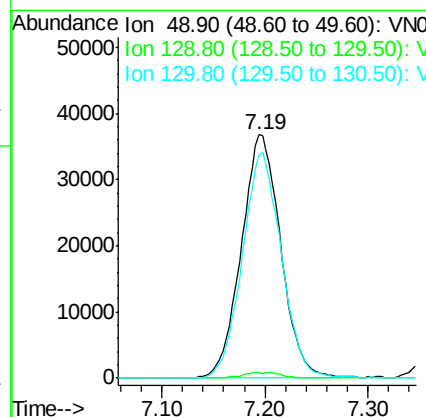
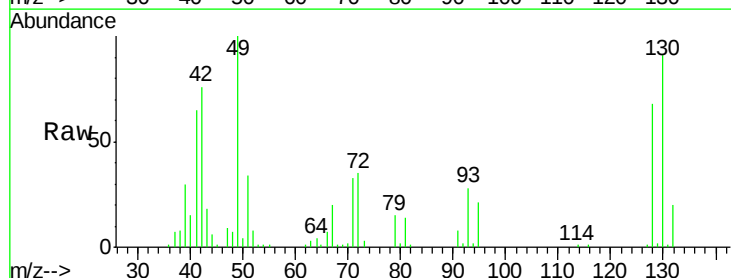
RT: 7.19 min Scan# 1686

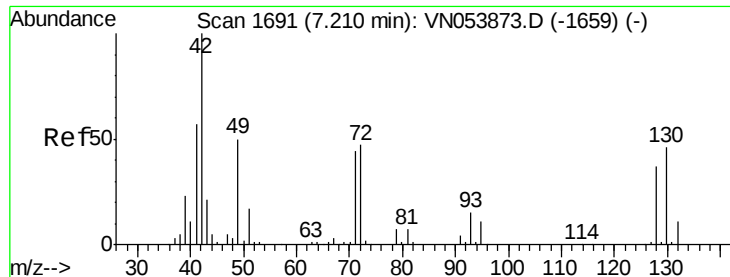
Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	97479		
129	2.2	0.0	4.6	
130	91.9	72.9	109.3	





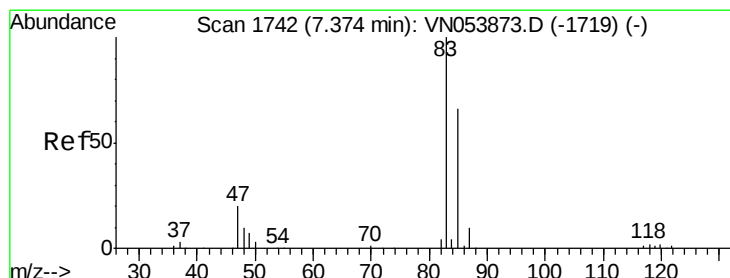
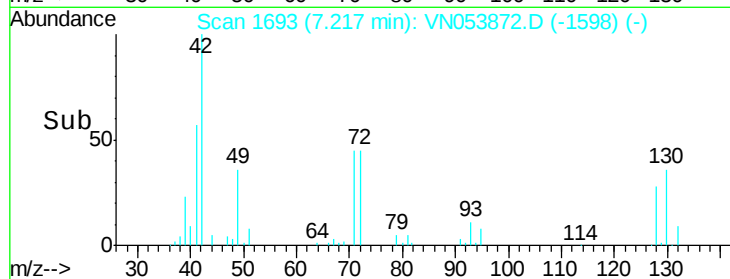
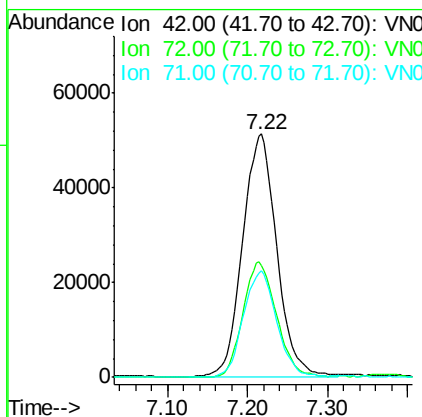
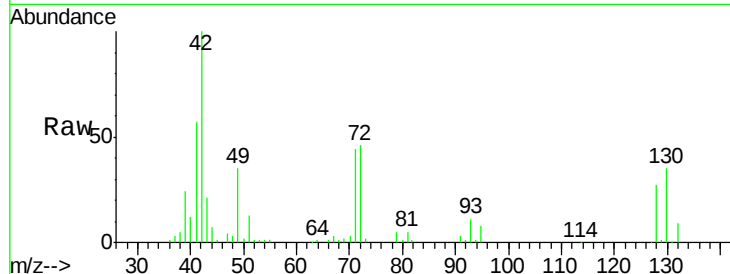
#29
Tetrahydrofuran
Concen: 104.034 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.9	55.3
71	42.5	34.6	52.0

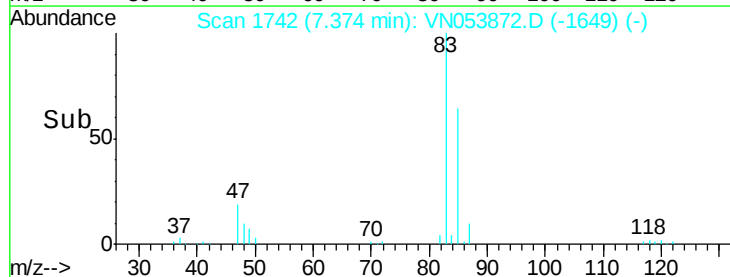
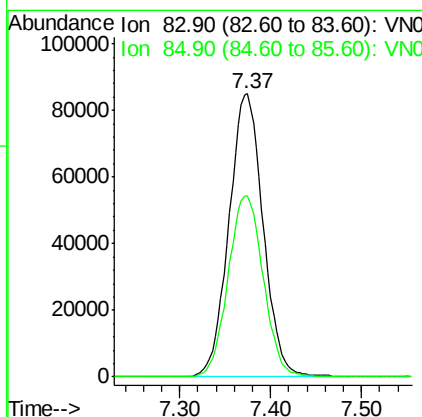
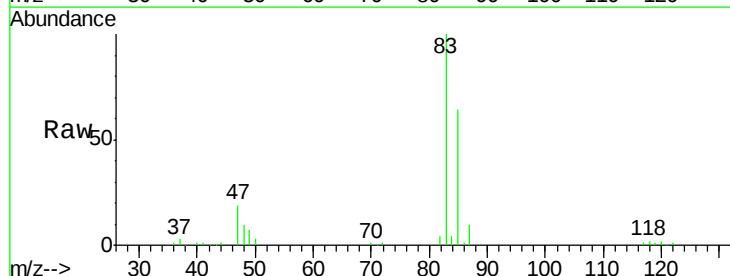
Manual Integrations
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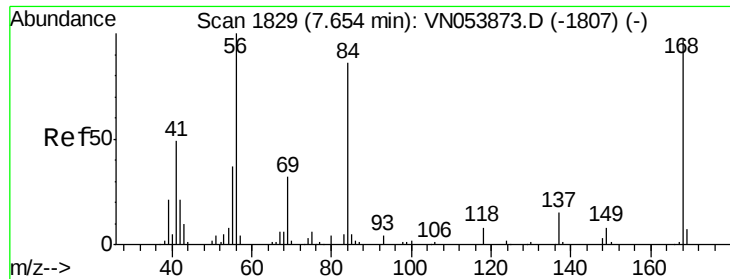
MMDadoda
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#30
Chloroform
Concen: 20.264 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.6	78.8





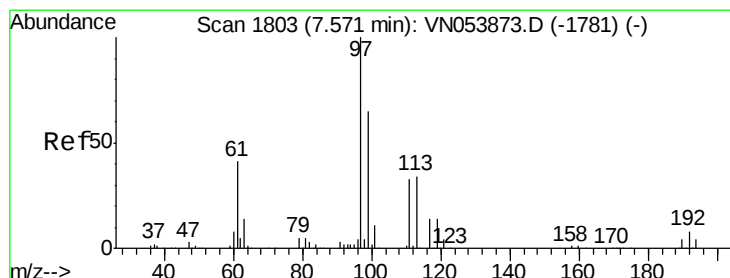
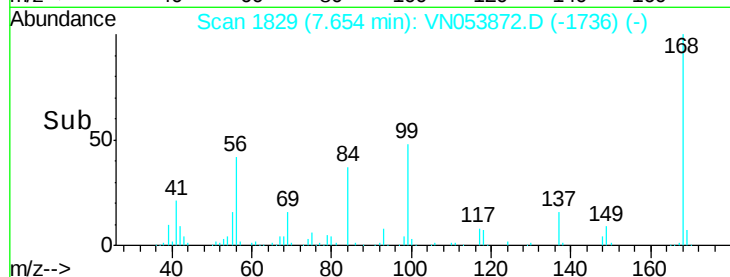
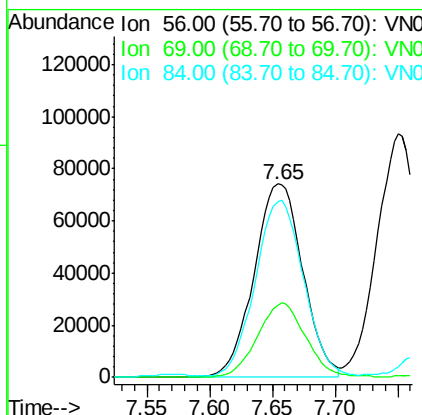
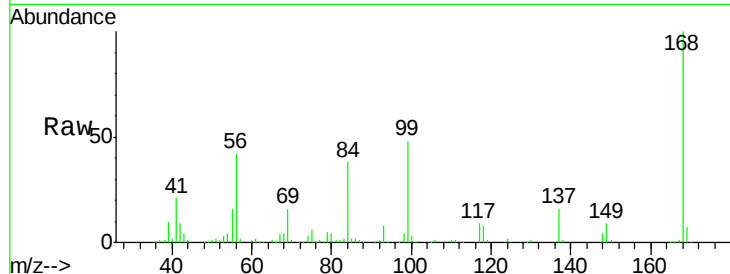
#31
Cyclohexane
Concen: 17.705 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.0	39.0
84	89.9	69.1	103.7

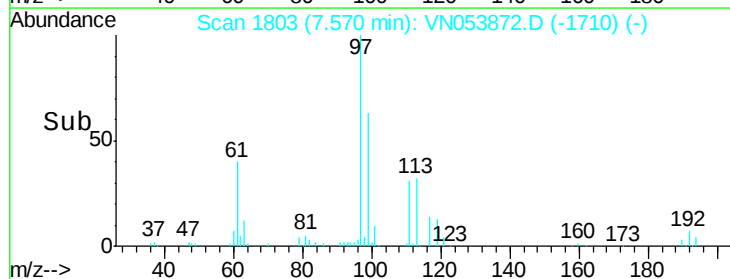
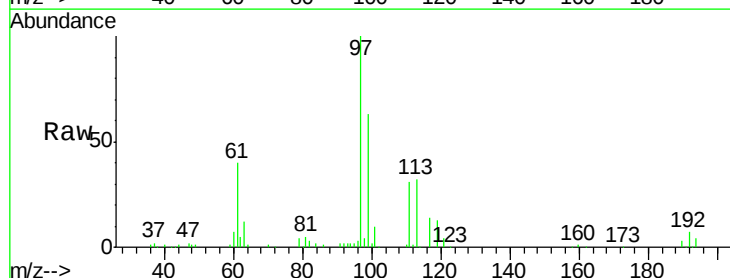
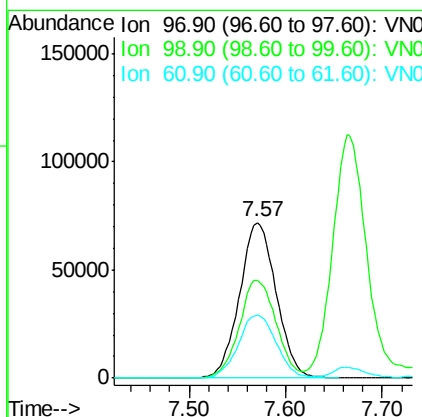
Manual Integrations
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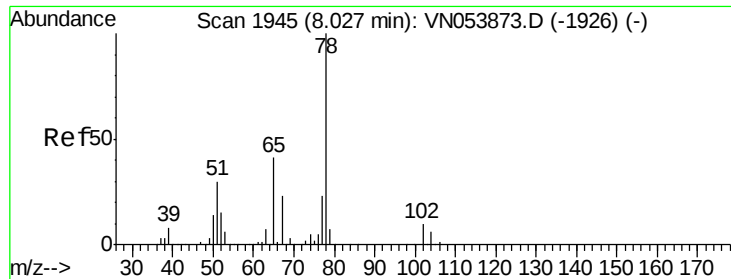
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.237 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	42.1	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 20.443 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 128399

Ion Ratio Lower Upper

65 100

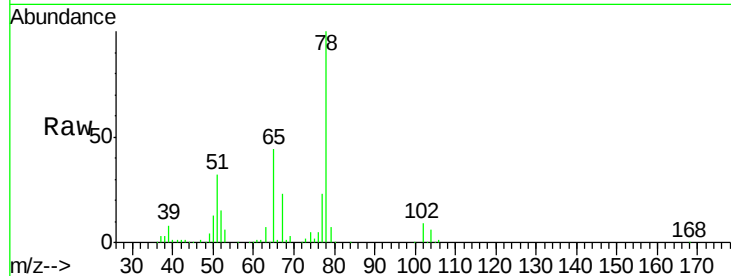
67 55.9 0.0 111.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN053872.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053872.D (-1852) (-)

8.03

60000

50000

40000

30000

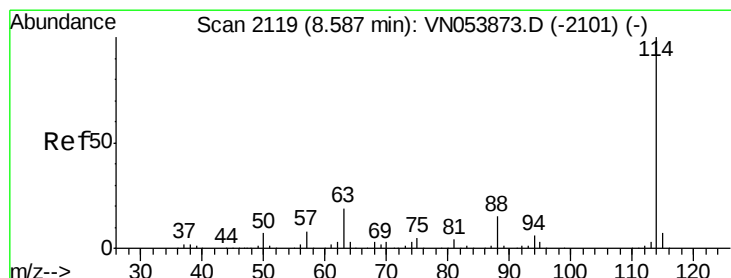
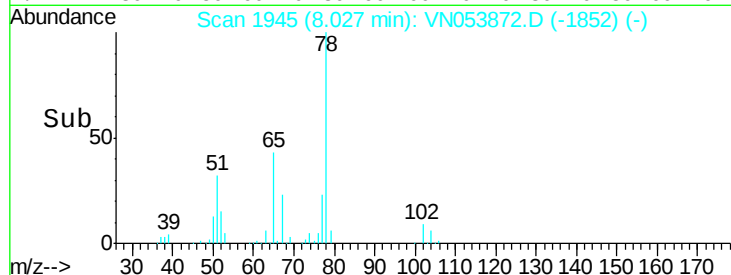
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

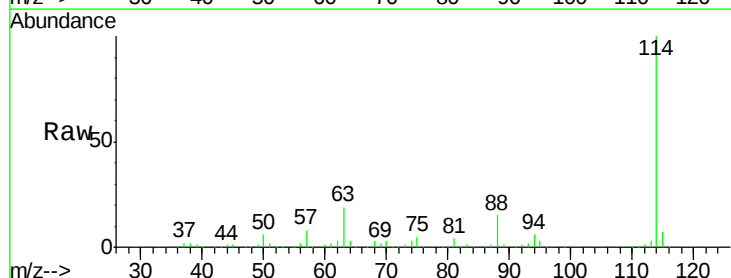
Tgt Ion: 114 Resp: 933161

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053872.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053872.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053872.D (-2026) (-)

8.59

500000

400000

300000

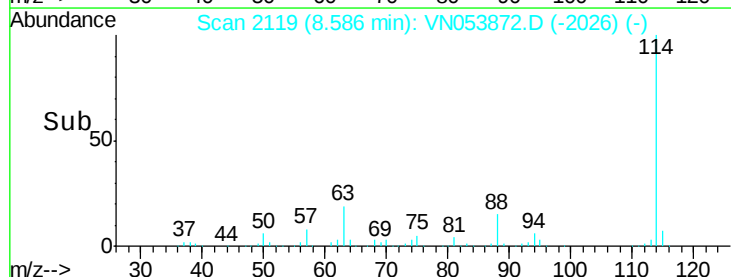
200000

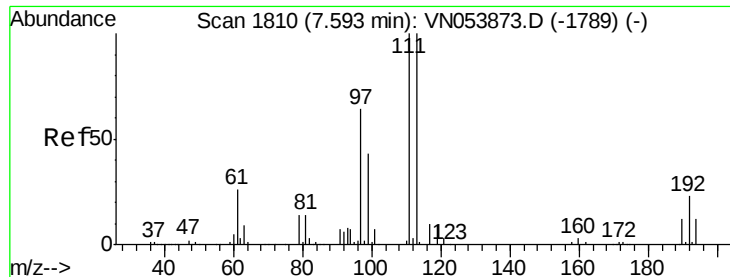
100000

0

8.50 8.60 8.70 8.80

Time-->





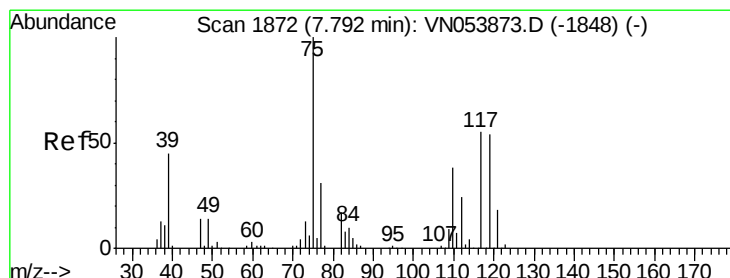
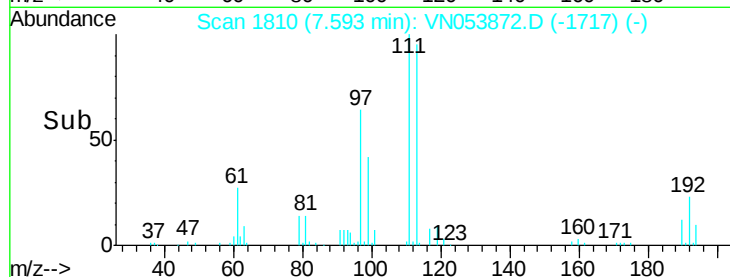
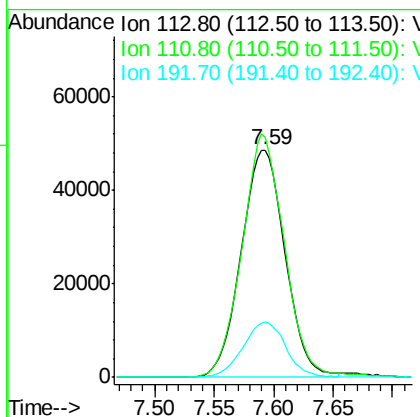
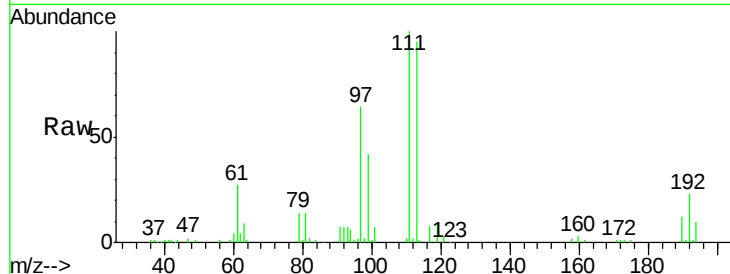
#35
 Dibromofluoromethane
 Concen: 20.254 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124040		
111	103.3	81.1	121.7	
192	24.0	18.8	28.2	

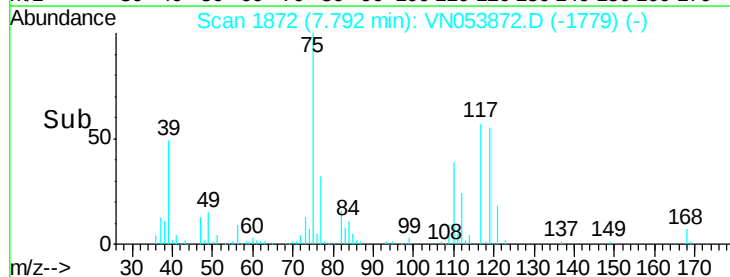
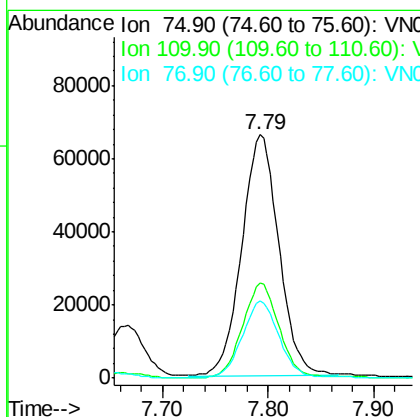
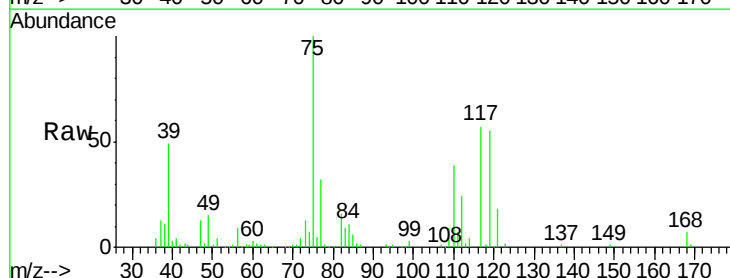
Manual Integrations
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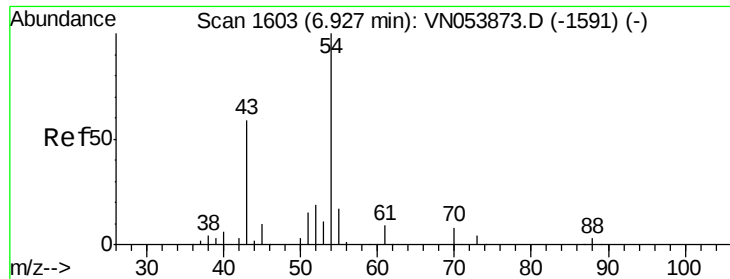
MMDadoda
 2/21/2019 10:51:54 AM



#36
 1,1-Dichloropropene
 Concen: 18.919 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	161826		
110	39.0	19.0	57.0	
77	32.3	25.4	38.0	





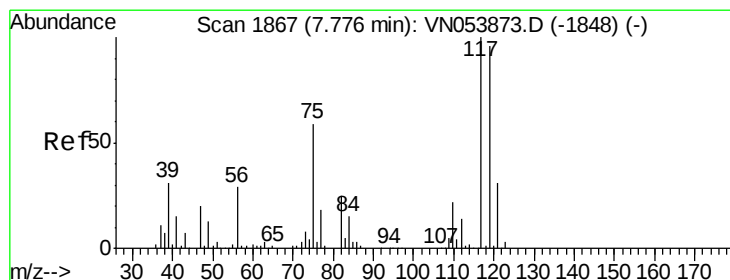
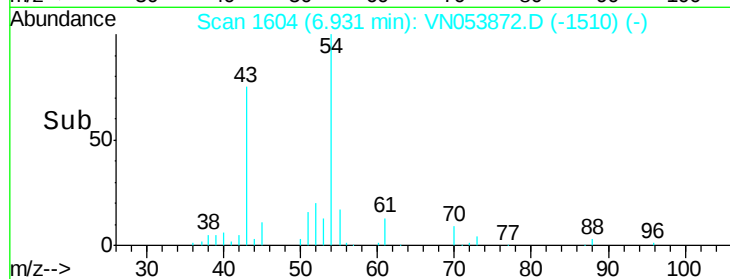
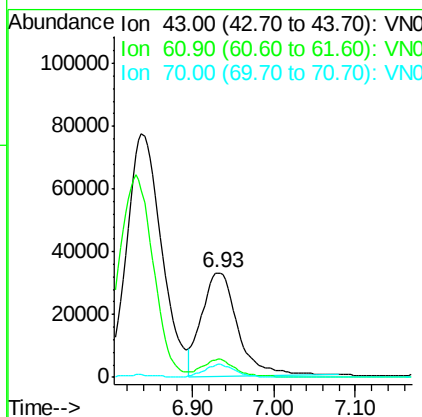
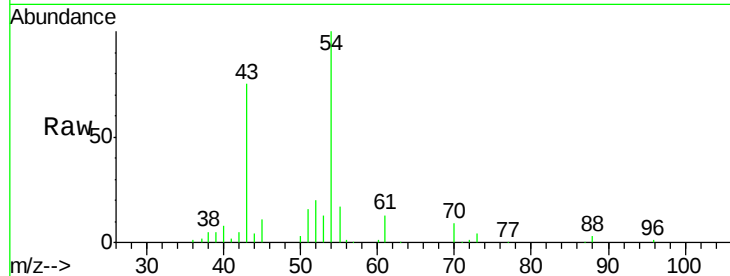
#37
Ethyl Acetate
Concen: 21.567 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.0	18.0
70	10.8	8.7	13.1

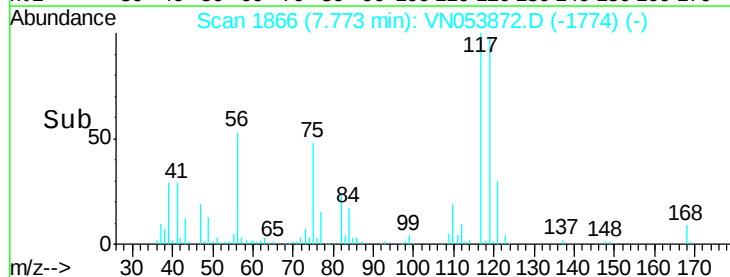
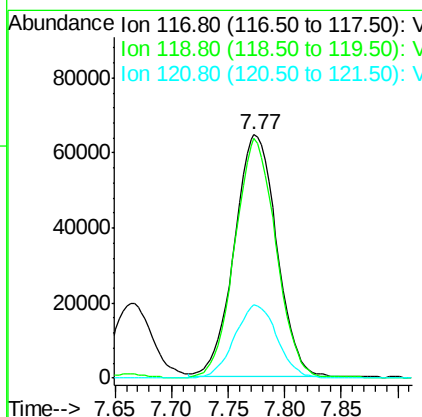
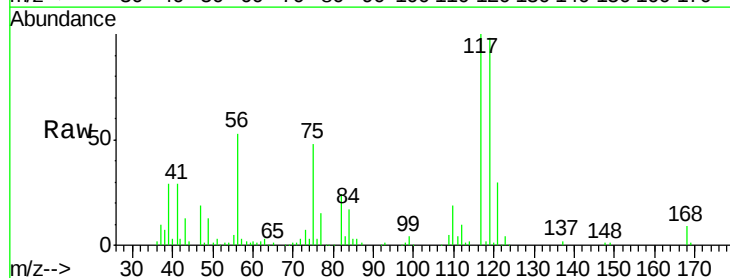
Manual Integrations
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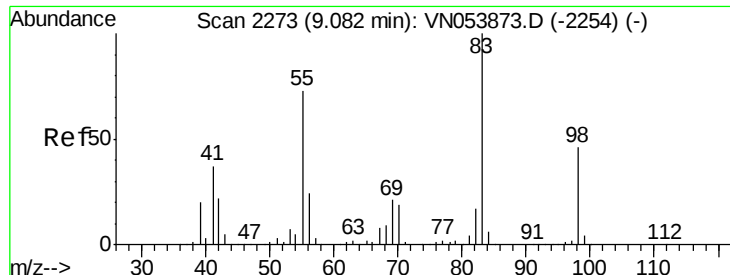
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.411 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.2
121	30.4	24.6	36.8





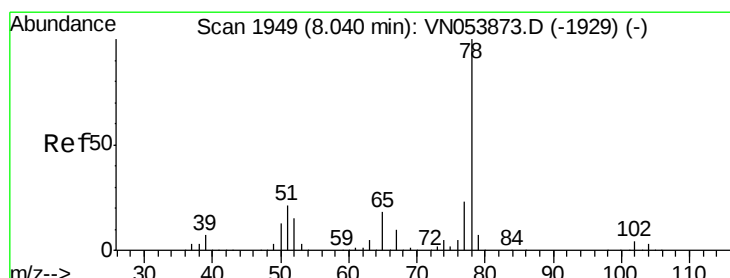
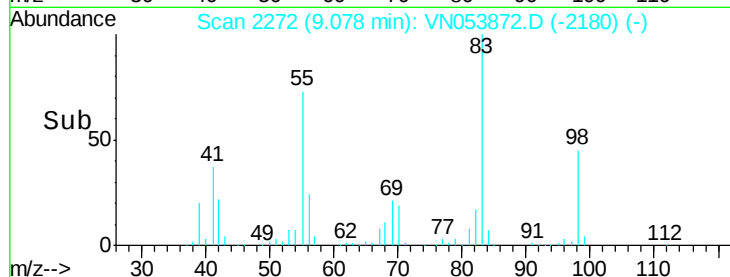
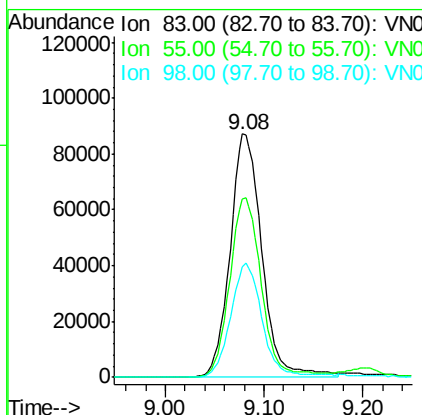
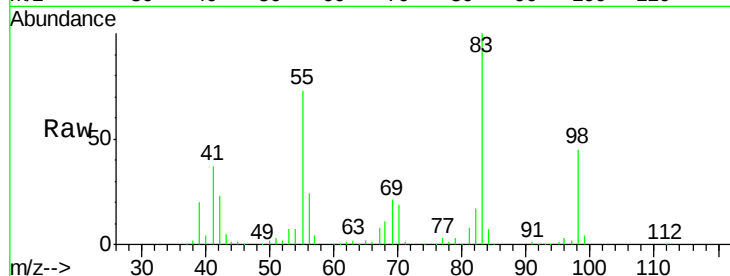
#39
Methvlcvclohexane
Concen: 19.892 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	196060		
55	73.5		58.2	87.4
98	45.4		37.2	55.8

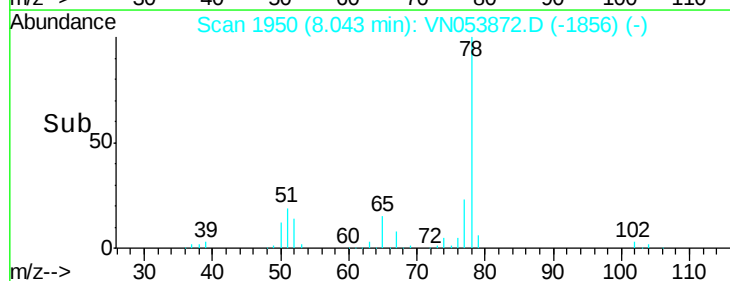
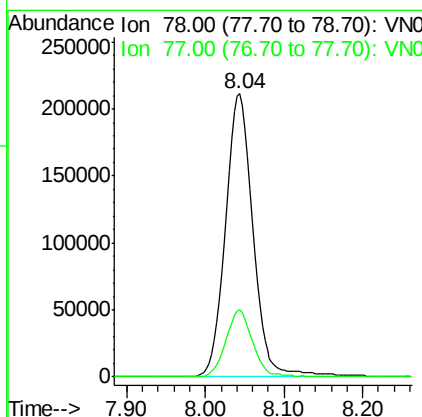
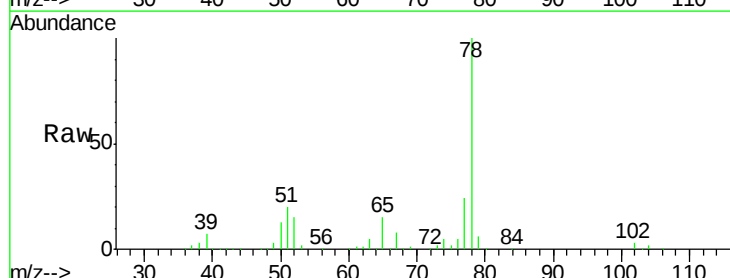
Manual Integrations
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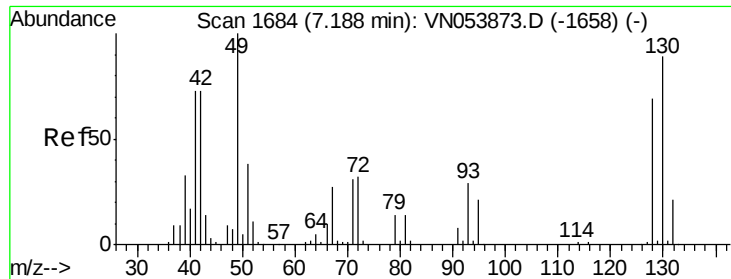
MMDadoda
2/21/2019 10:51:54 AM



#40
Benzene
Concen: 20.216 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	511201		
77	23.6		18.8	28.2





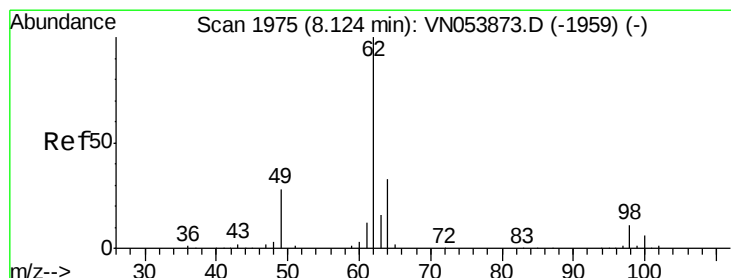
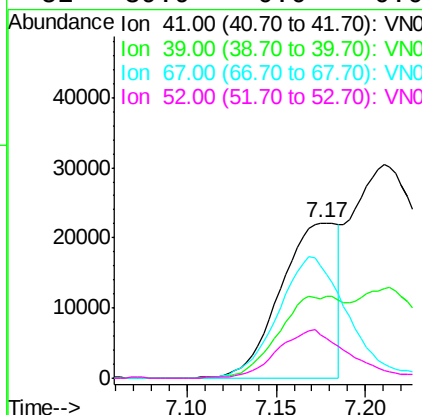
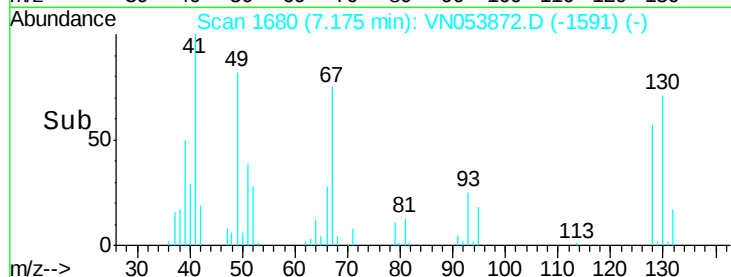
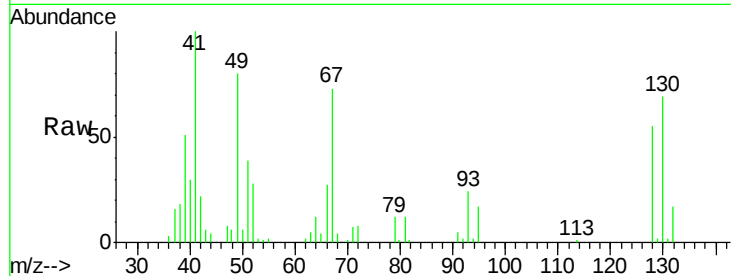
#41
Methacrylonitrile
Concen: 16.297 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	49113
Ion	Ratio	Lower	Upper
41	100		
39	40.3	0.0	0.0#
67	96.9	0.0	0.0#
52	39.9	0.0	0.0#

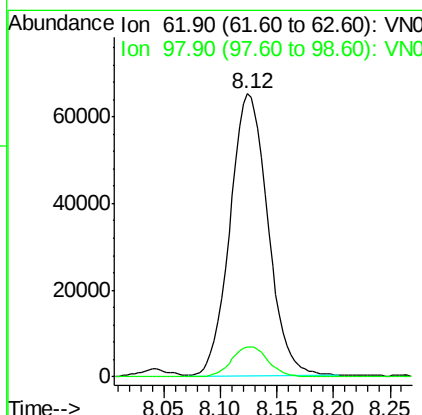
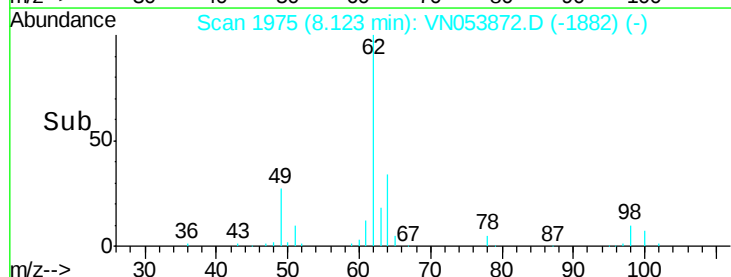
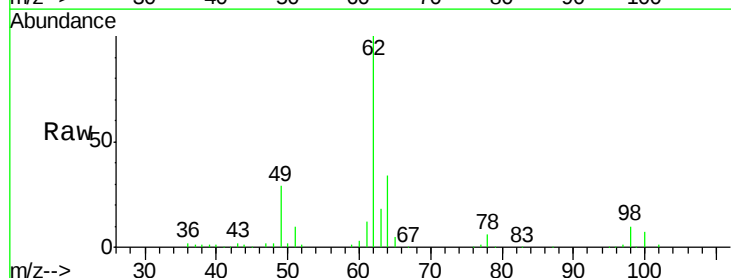
Manual Integrations
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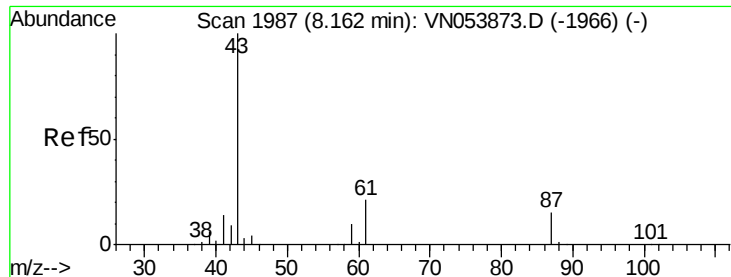
MMDadoda
2/21/2019 10:51:54 AM



#42
1,2-Dichloroethane
Concen: 20.095 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	62	Resp	151482
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.8





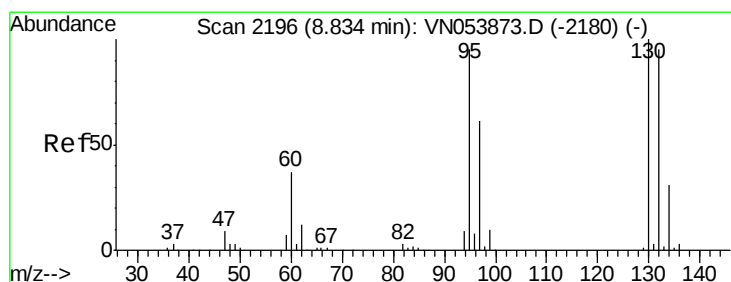
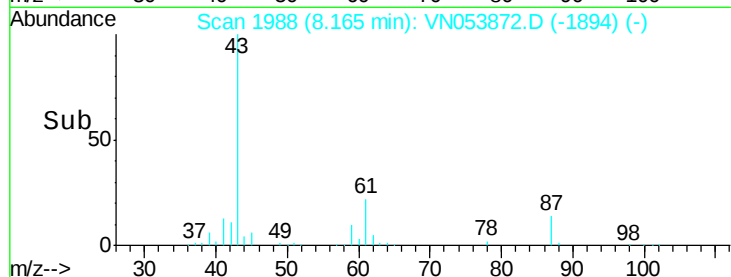
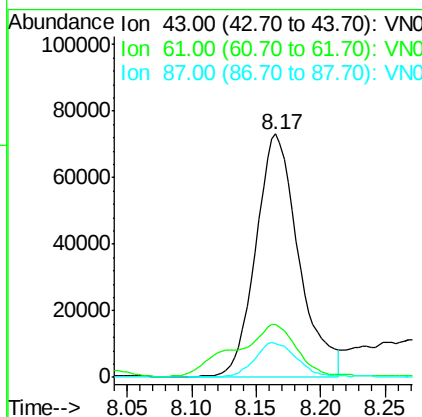
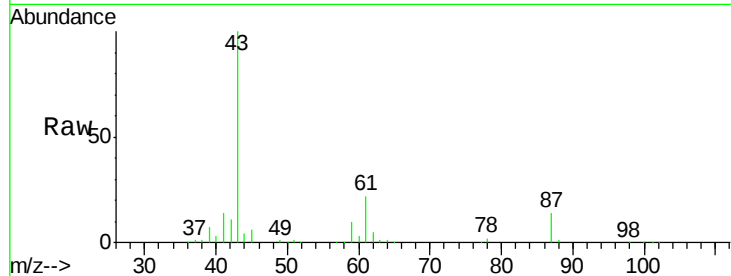
#43
Isopropyl Acetate
Concen: 18.476 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	17.4	26.0
87	14.2	11.5	17.3

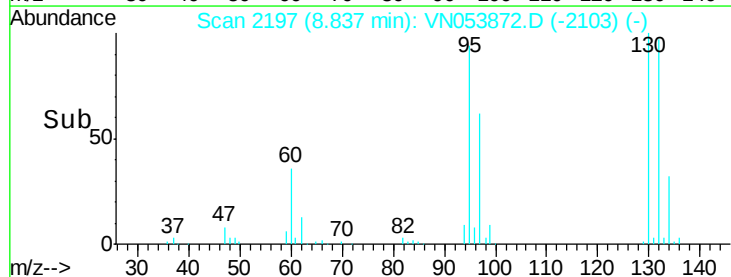
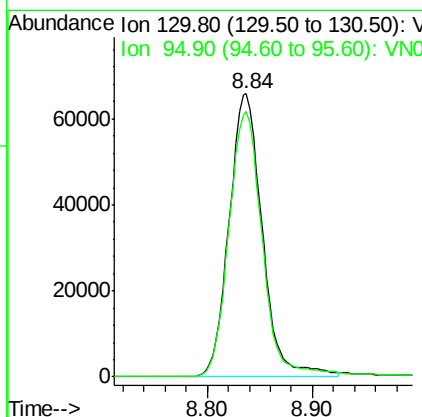
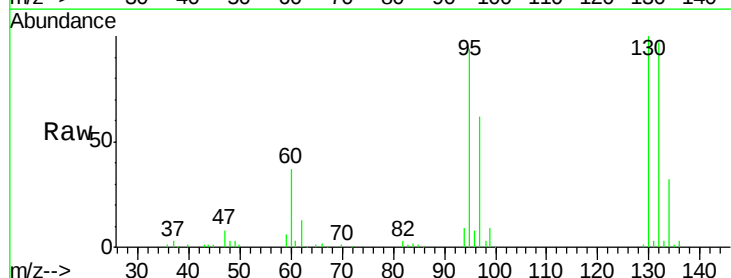
Manual Integrations
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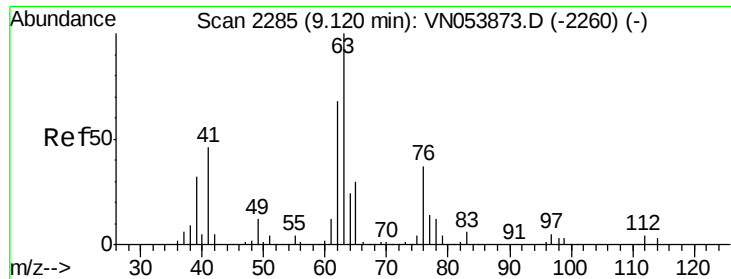
MMDadoda
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#44
Trichloroethene
Concen: 20.277 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	190.0





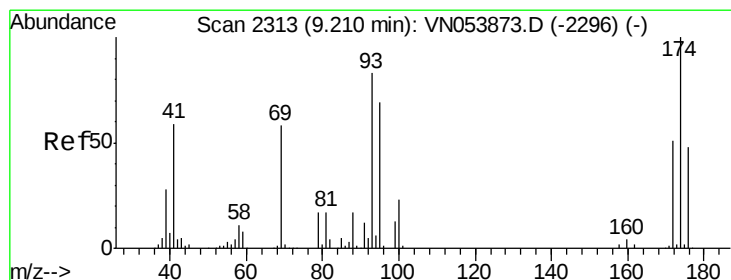
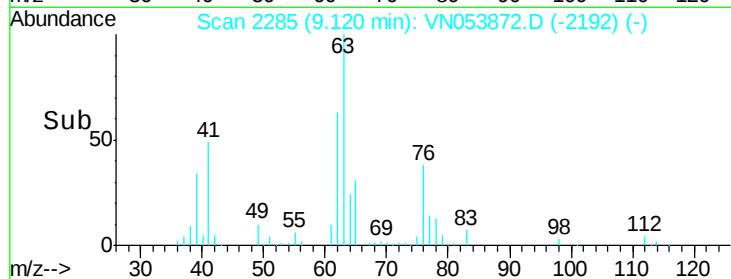
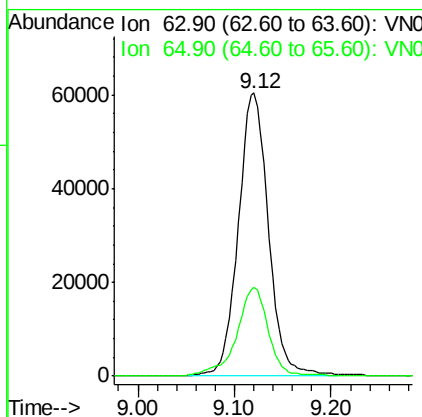
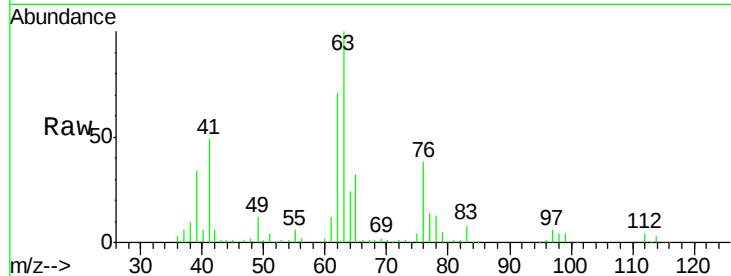
#45
 1,2-Dichloropropane
 Concen: 20.325 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.3	36.5

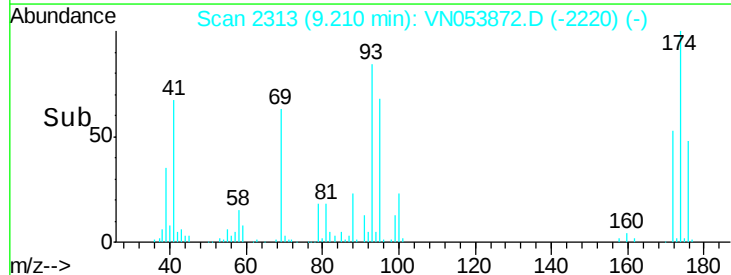
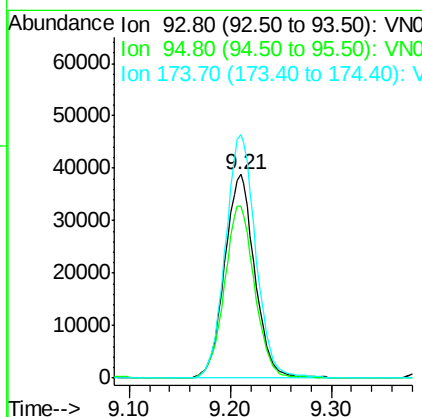
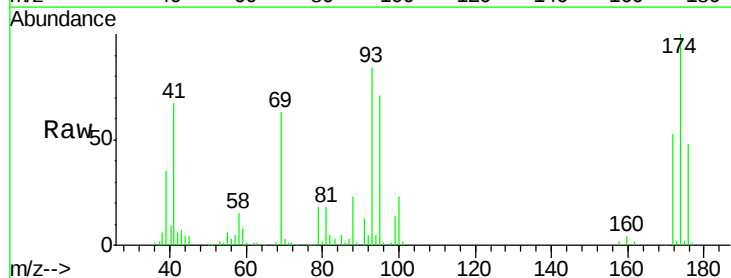
Manual Integrations
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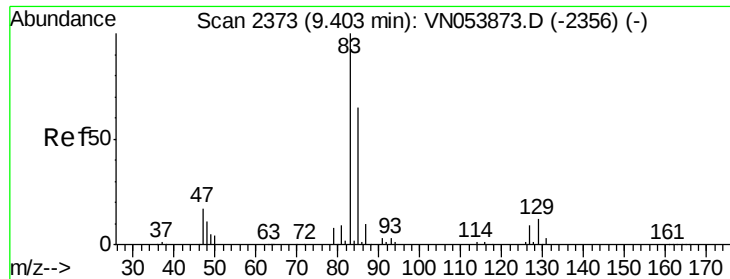
MMDadoda
 2/21/2019 10:51:54 AM



#46
 Dibromomethane
 Concen: 20.802 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.6	100.0
174	120.2	96.2	144.4





#47

Bromodichloromethane

Concen: 20.192 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

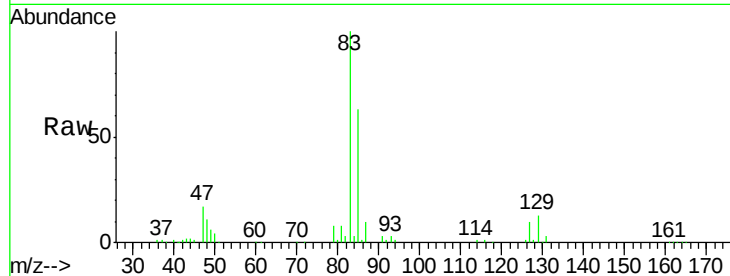
ClientSampled :

VSTDIC020

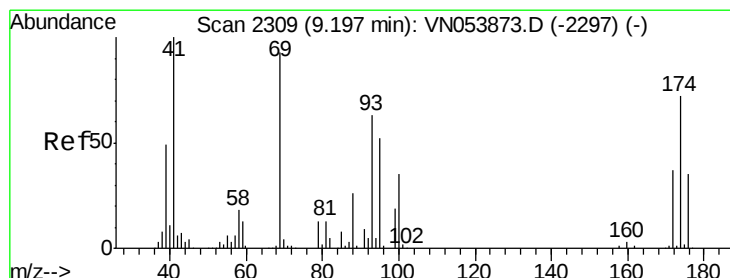
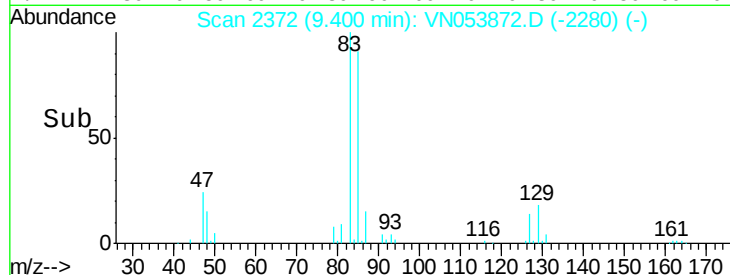
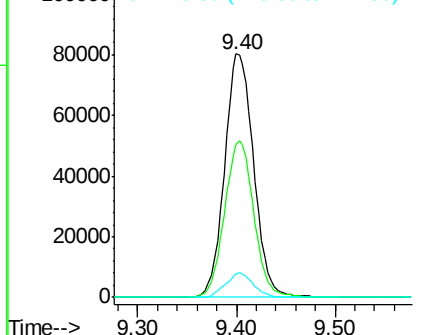
Tot Ion:	83	Resp:	165582
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.8	77.6
127	9.7	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 18.336 ug/l

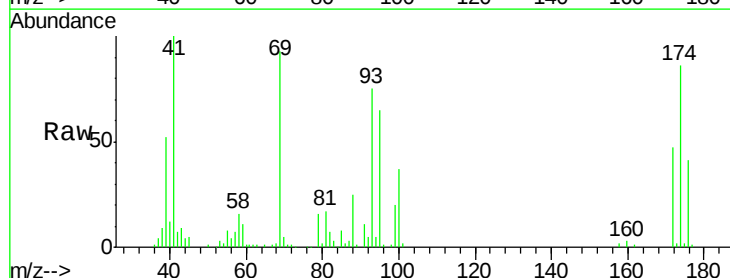
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

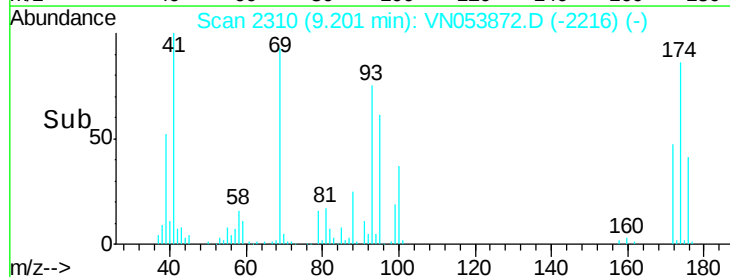
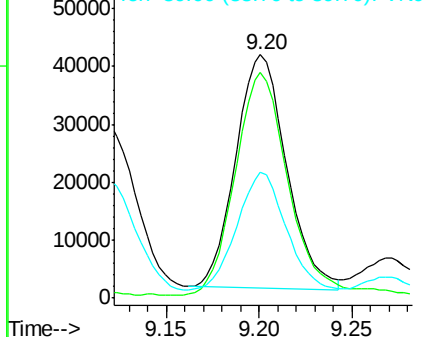
Lab File: VN053872.D

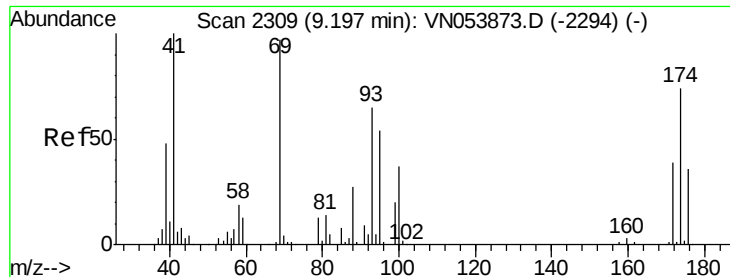
Acq: 20 Feb 2019 9:24

Tgt Ion:	41	Resp:	76919
Ion Ratio	Lower	Upper	
41	100		
69	106.9	74.8	112.2
39	56.4	39.0	58.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 439.602 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.01 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

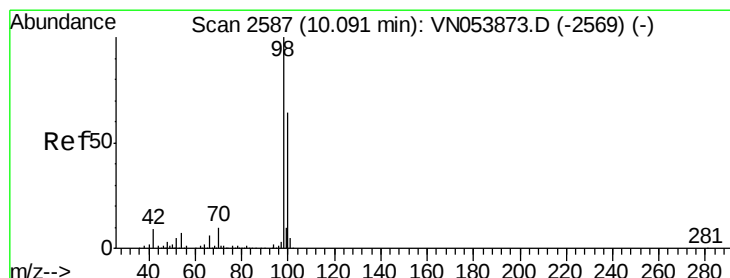
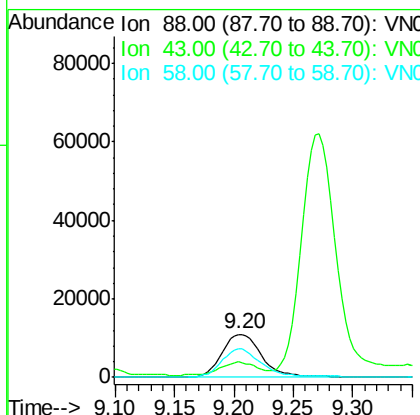
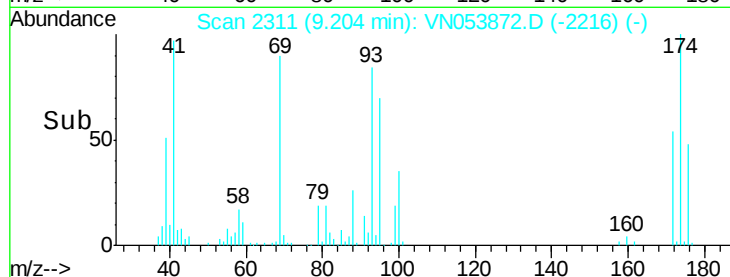
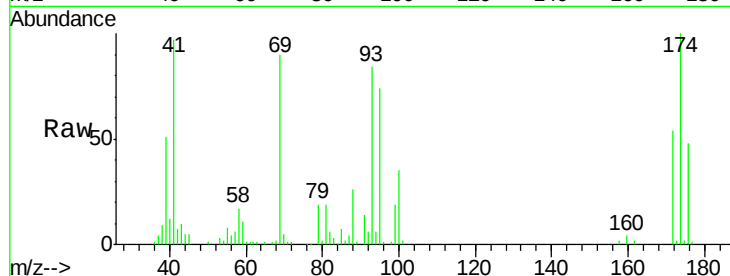
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	25433
Ion Ratio	Lower	Upper	
88	100		
43	26.6	21.2	31.8
58	64.6	54.2	81.2

Manual Integrations
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#50

Toluene-d8

Concen: 20.530 ug/l

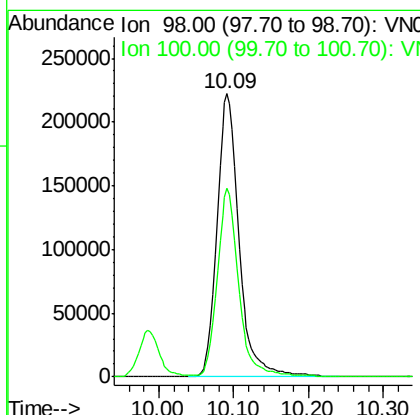
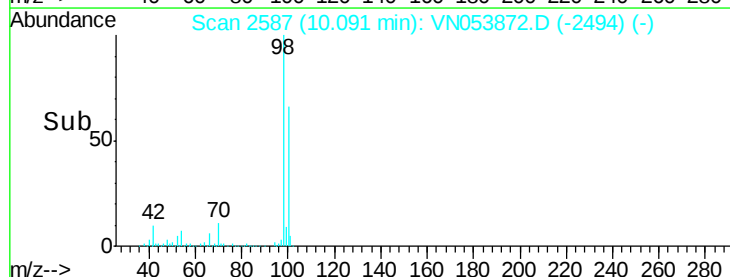
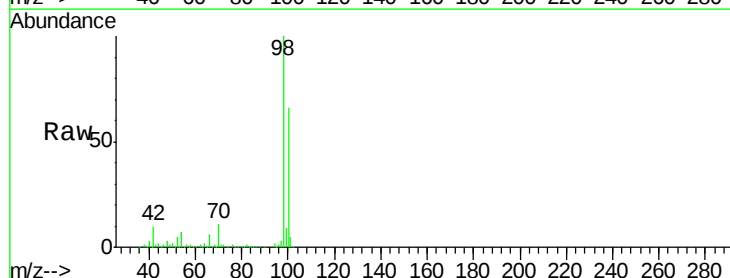
RT: 10.09 min Scan# 2587

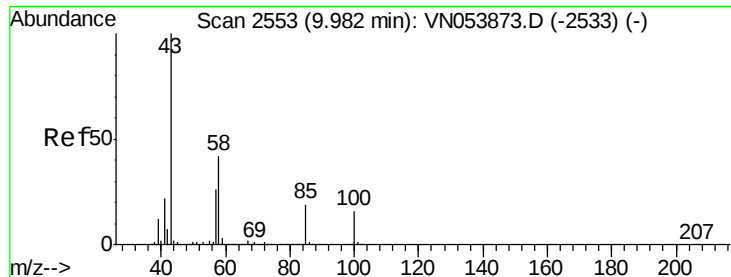
Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Tgt Ion:	98	Resp:	454102
Ion Ratio	Lower	Upper	
98	100		
100	62.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 101.806 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 431781

Ion Ratio Lower Upper

43 100

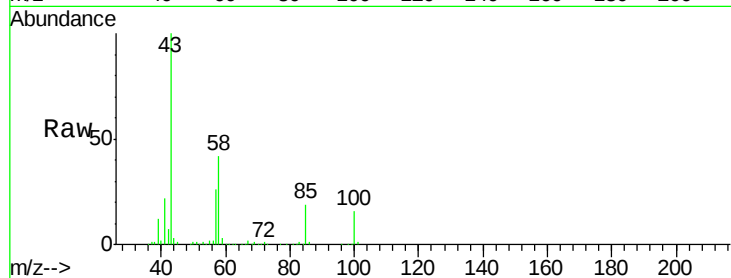
58 41.7 32.7 49.1

Manual Integrations

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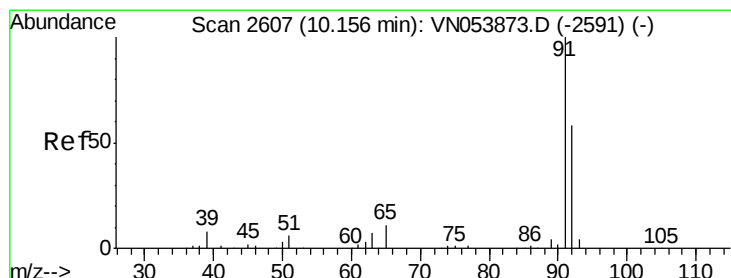
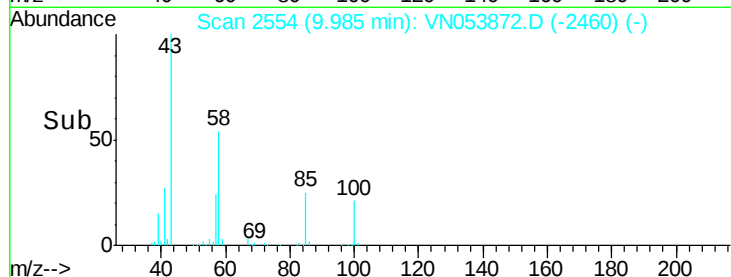
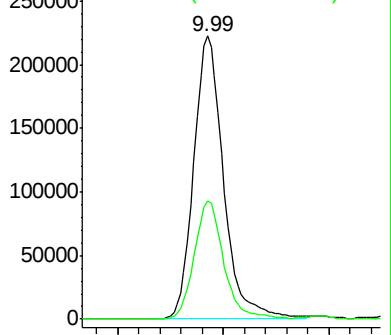
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.451 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053872.D

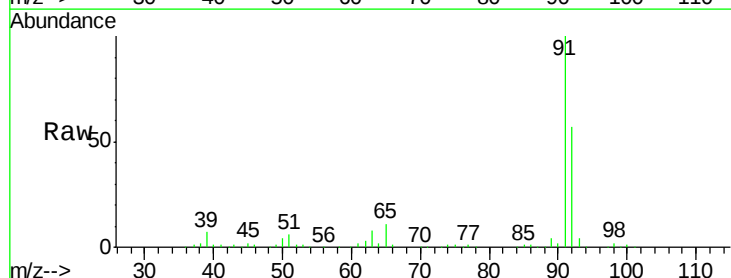
Acq: 20 Feb 2019 9:24

Tgt Ion: 92 Resp: 306457

Ion Ratio Lower Upper

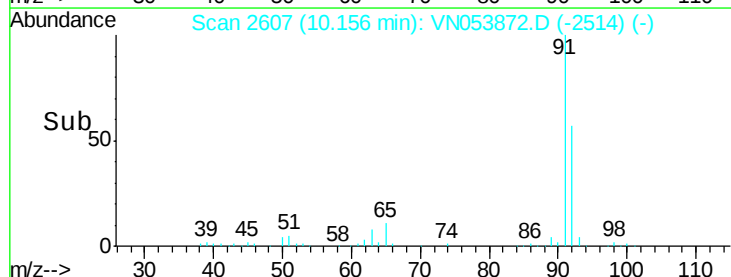
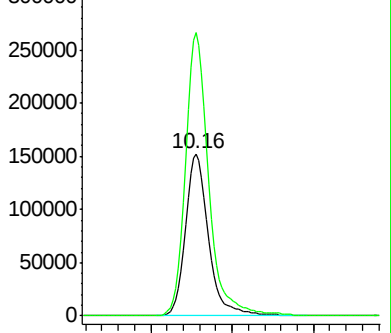
92 100

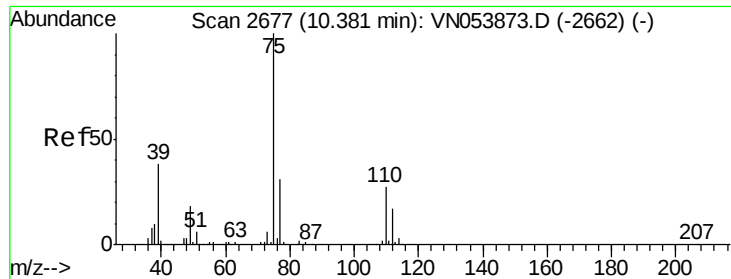
91 175.3 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





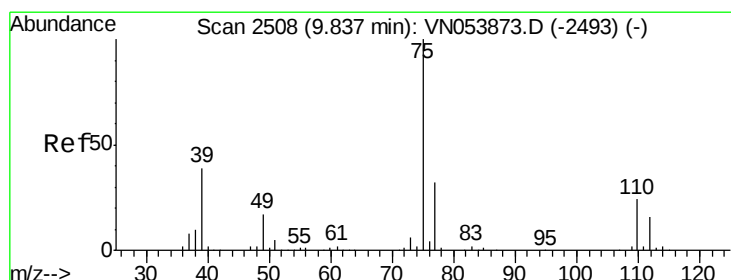
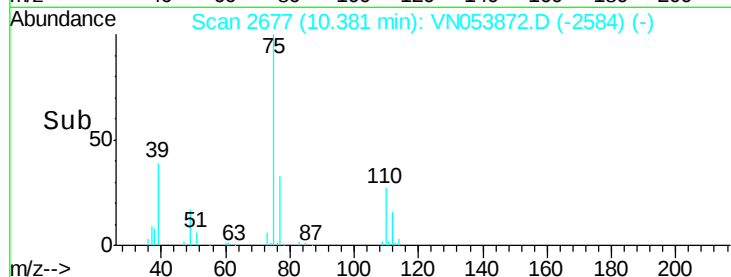
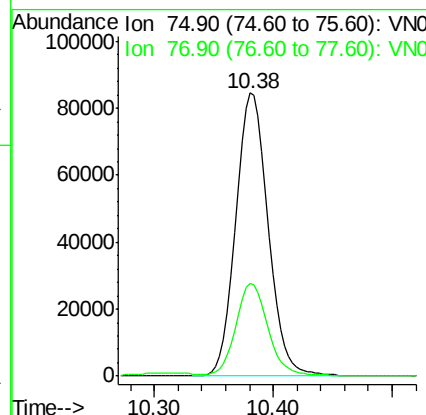
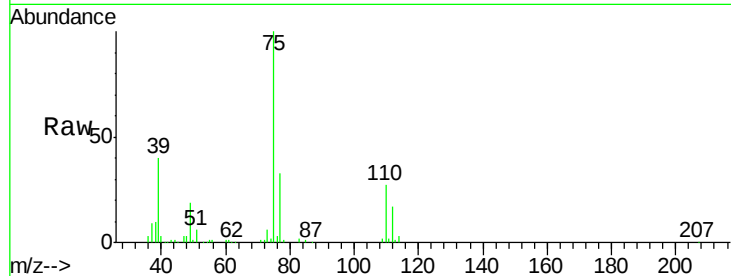
#53
t-1,3-Dichloropropene
Concen: 20.055 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.6

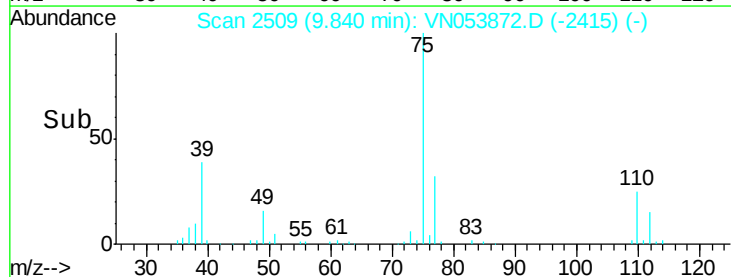
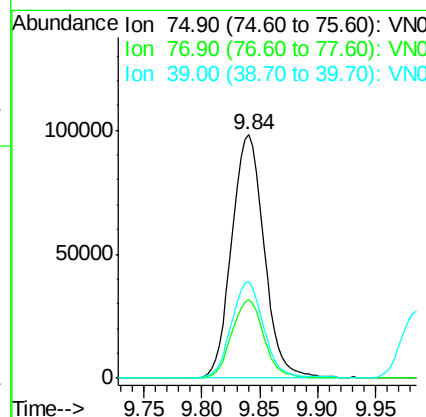
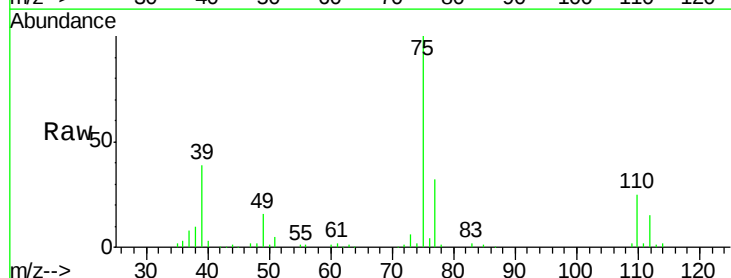
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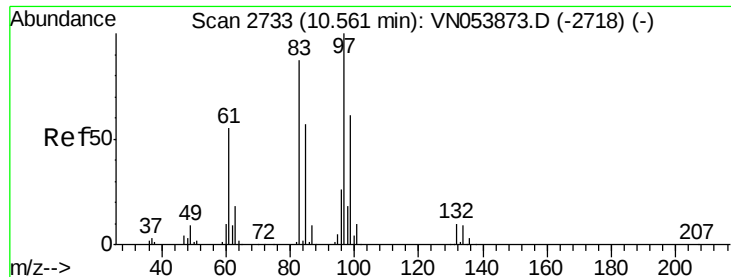
MMDadoda
2/21/2019 10:51:54 AM



#54
cis-1,3-Dichloropropene
Concen: 20.267 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	39.4	31.4	47.0





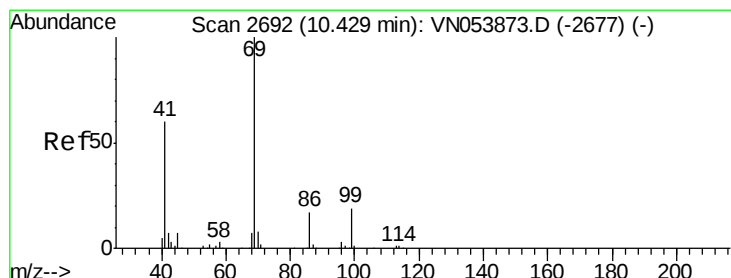
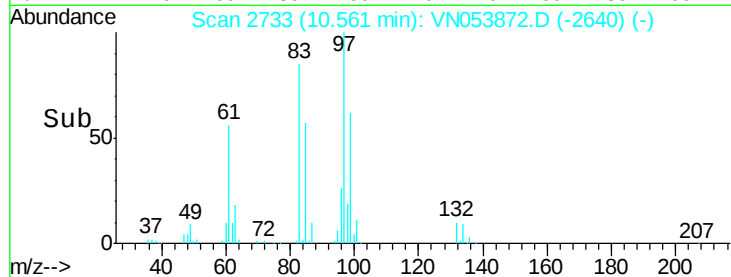
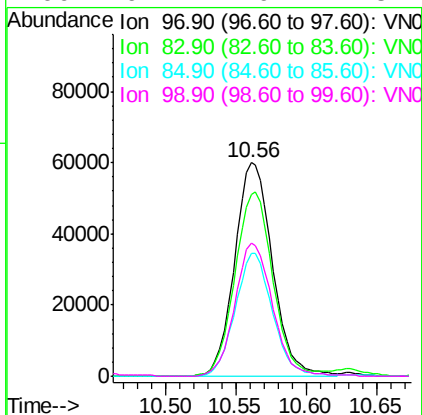
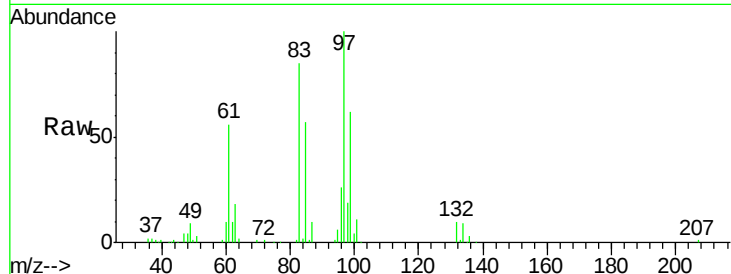
#55
 1,1,2-Trichloroethane
 Concen: 20.609 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	112893
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.5	104.3
85	57.4	45.9	68.9
99	62.4	49.1	73.7

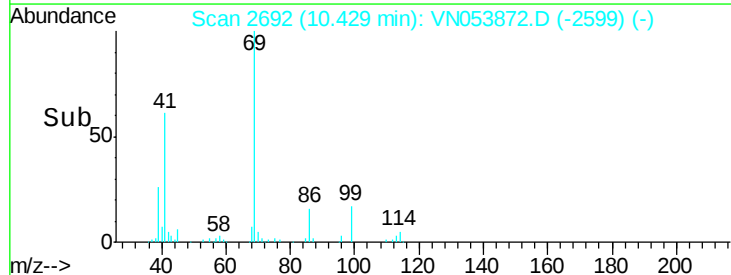
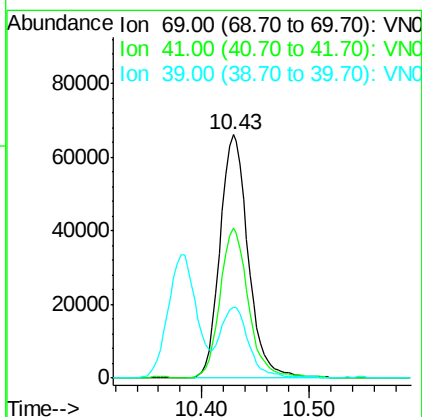
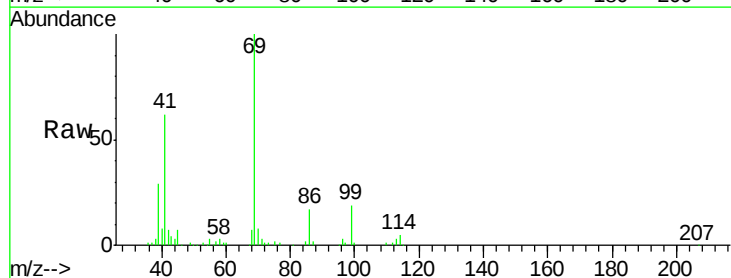
Manual Integrations
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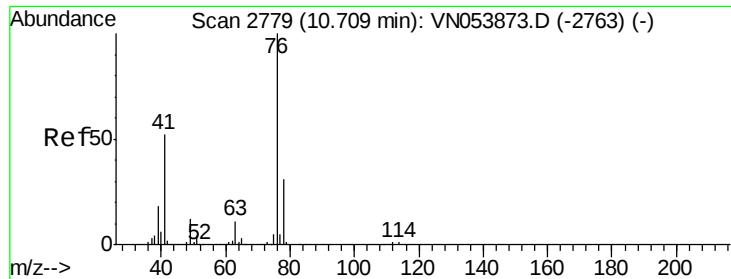
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#56
 Ethyl methacrylate
 Concen: 19.510 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Tgt Ion:	69	Resp:	120319
Ion	Ratio	Lower	Upper
69	100		
41	62.6	47.5	71.3
39	28.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 20.521 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 189276

Ion Ratio Lower Upper

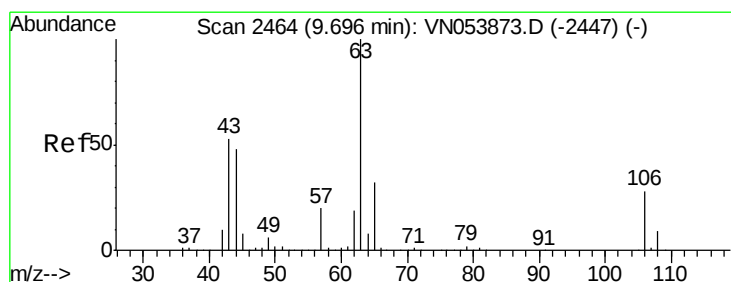
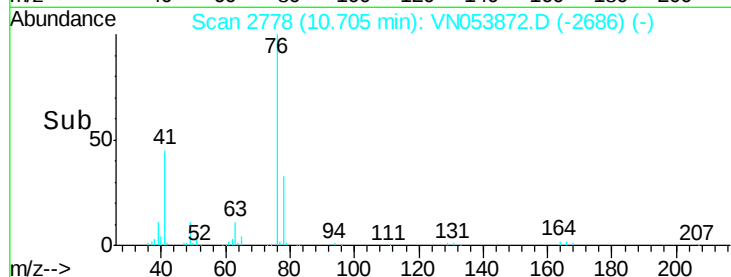
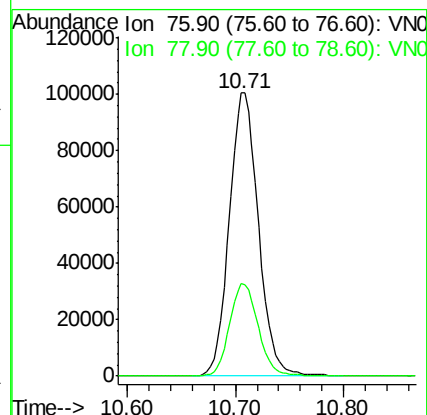
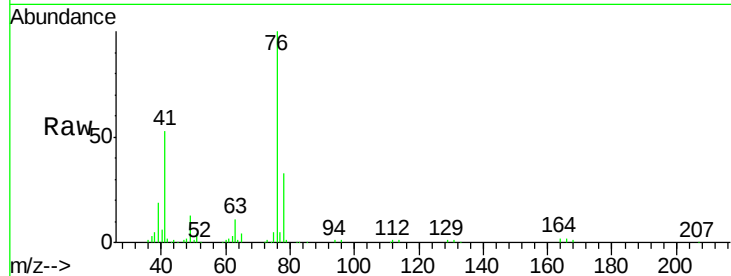
76 100

78 32.1 25.2 37.8

Manual Integrations
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MMDadoda

2/21/2019 10:51:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.673 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053872.D

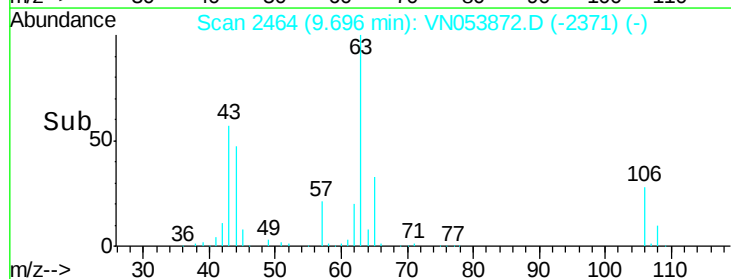
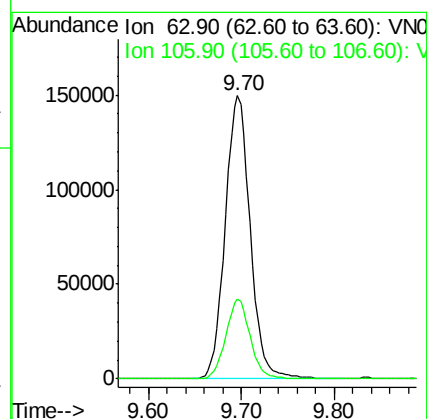
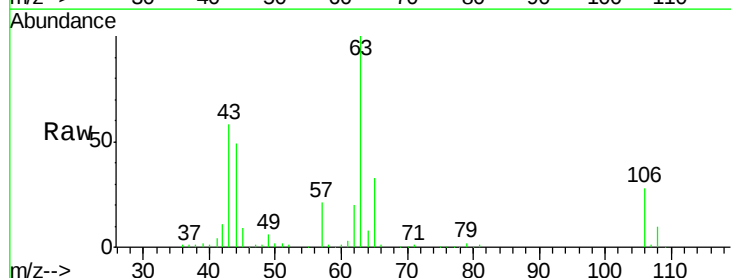
Acq: 20 Feb 2019 9:24

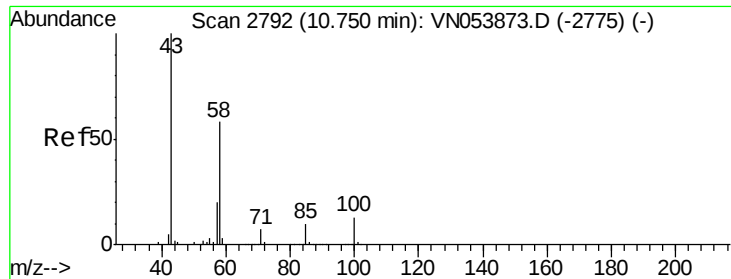
Tgt Ion: 63 Resp: 280106

Ion Ratio Lower Upper

63 100

106 27.5 22.2 33.2





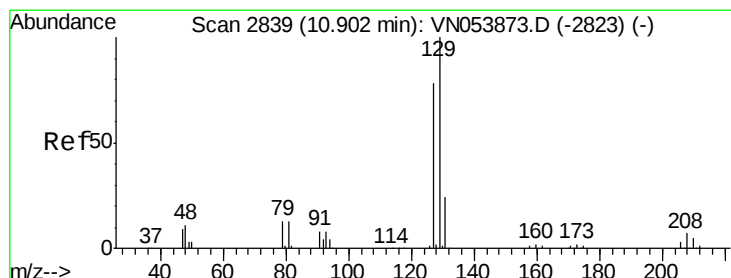
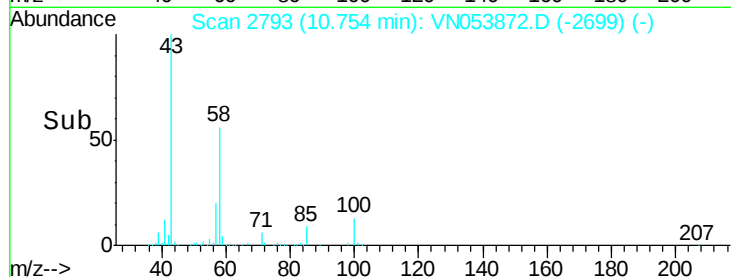
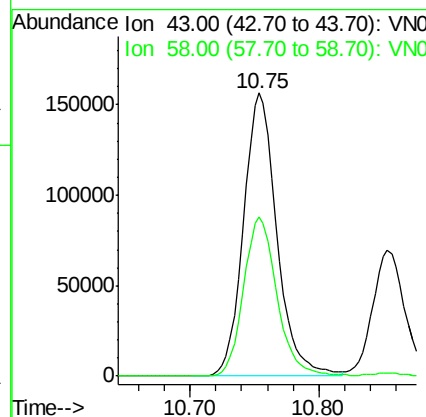
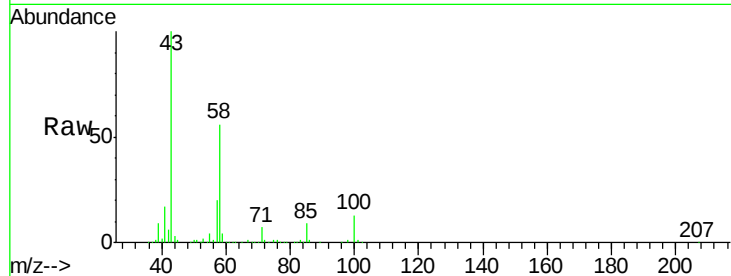
#59
2-Hexanone
Concen: 97.774 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 279873
Ion Ratio Lower Upper
43 100
58 56.8 29.1 87.4

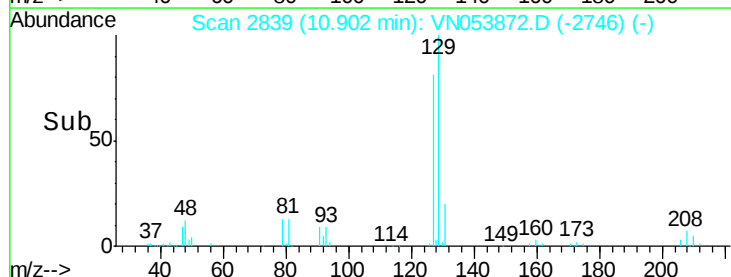
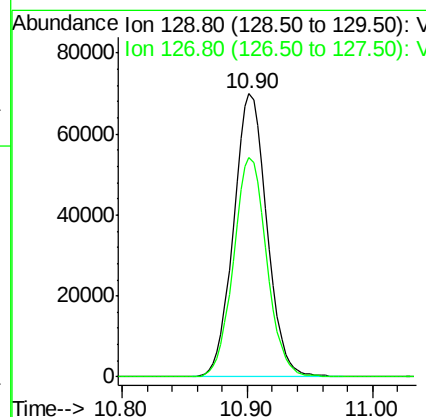
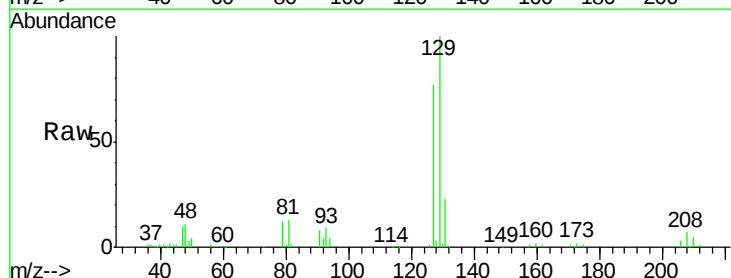
Manual Integrations
APPROVED

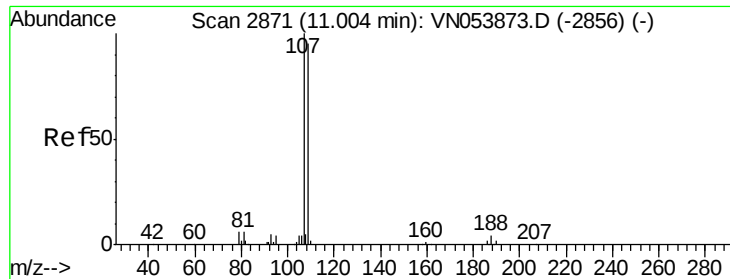
MMDadoda
2/21/2019 10:51:54 AM



#60
Dibromochloromethane
Concen: 20.164 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion: 129 Resp: 128930
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3





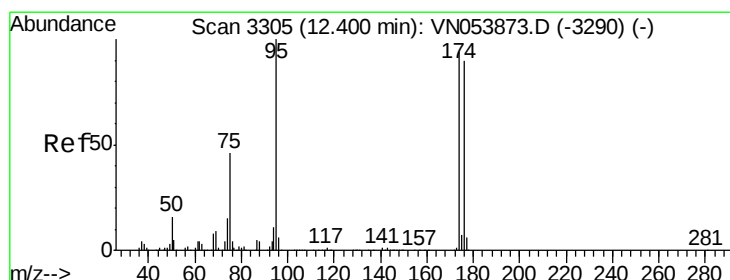
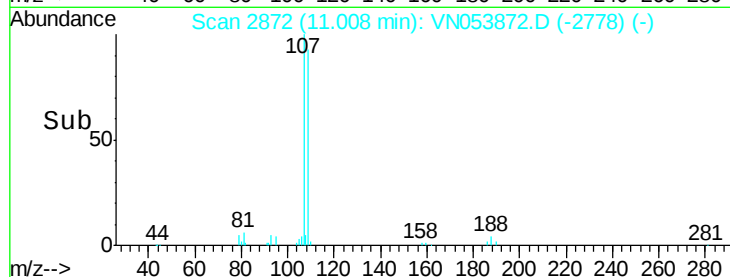
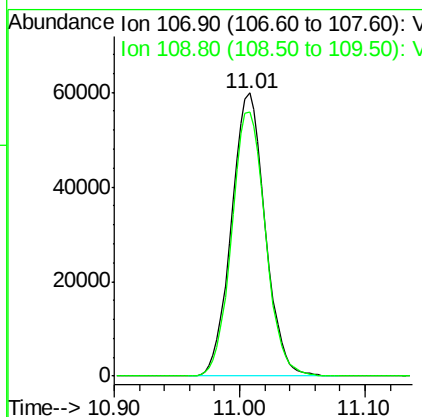
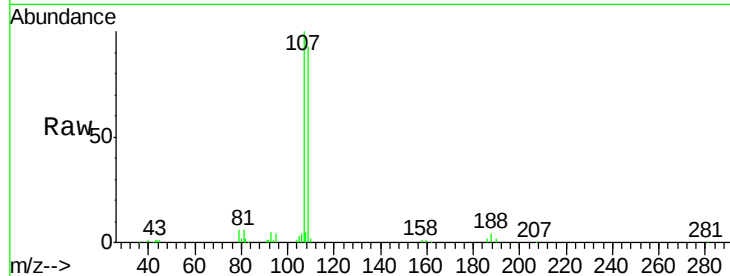
#61
 1,2-Dibromoethane
 Concen: 20.518 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
107	100	111665		
109	93.8	76.3	114.5	

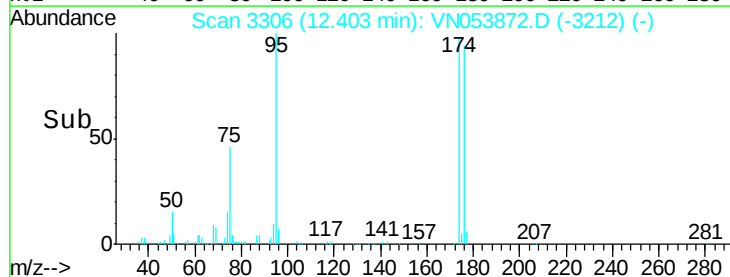
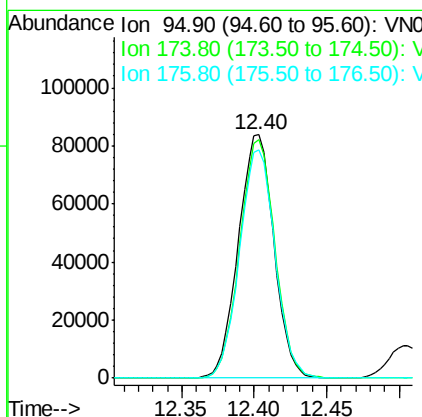
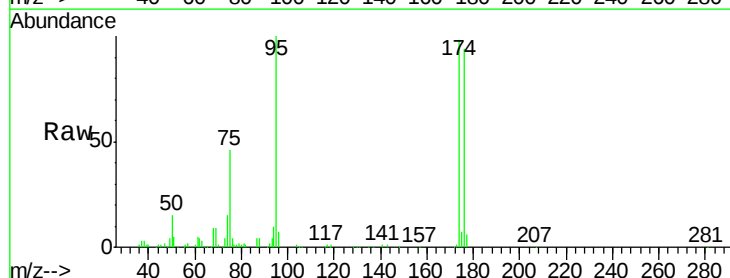
Manual Integrations
 APPROVED

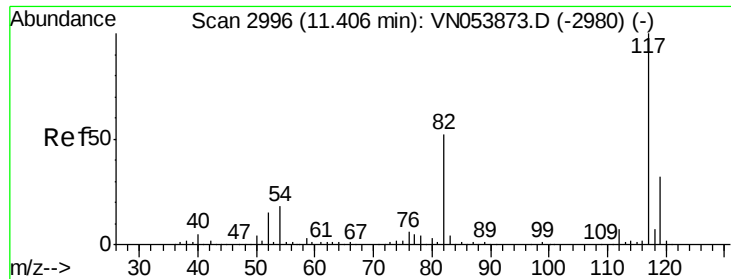
MMDadoda
 2/21/2019 10:51:54 AM



#62
 4-Bromofluorobenzene
 Concen: 19.540 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	142685		
174	97.2	0.0	188.8	
176	93.7	0.0	182.6	





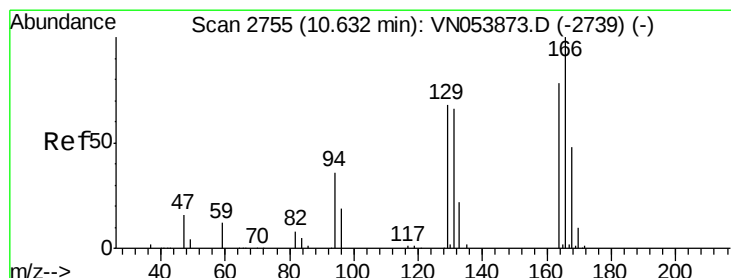
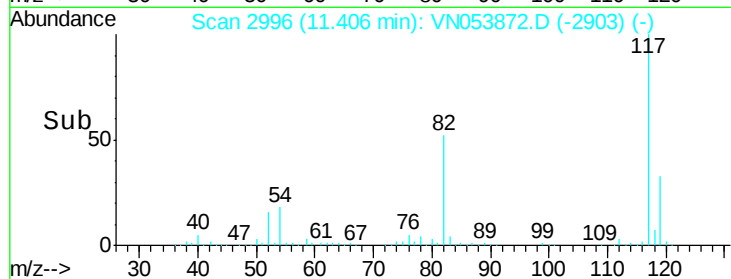
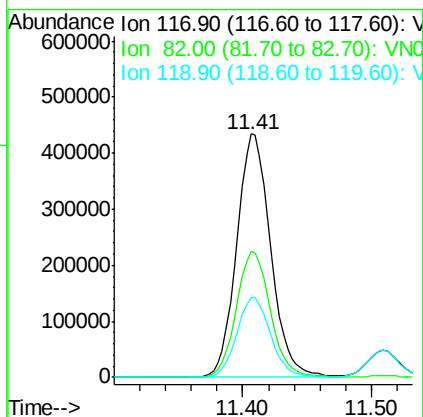
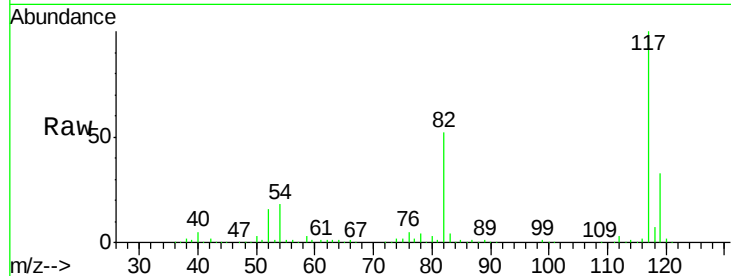
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	797515		
82	51.6		41.4	62.2
119	32.7		25.3	37.9

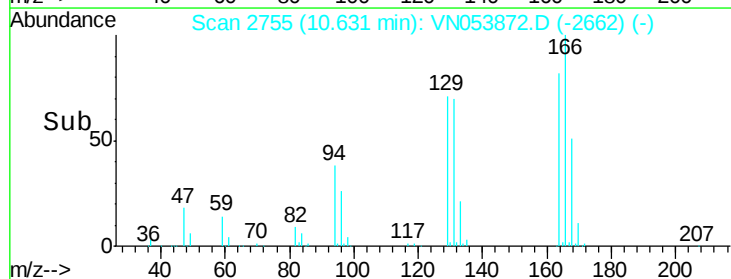
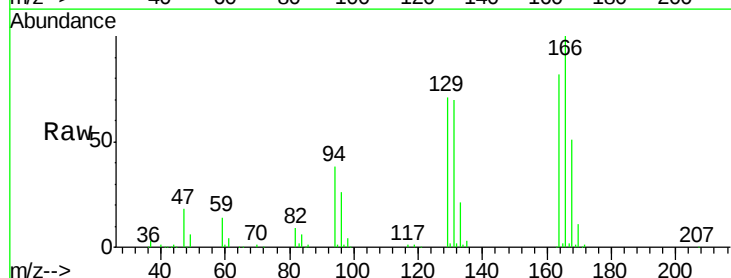
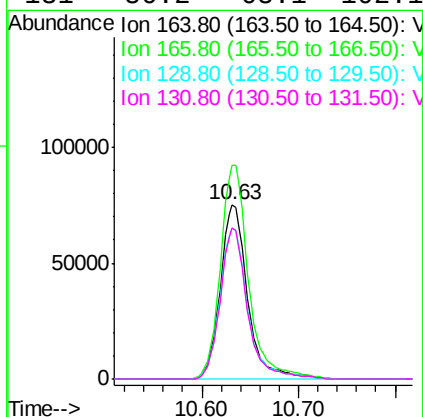
Manual Integrations
APPROVED

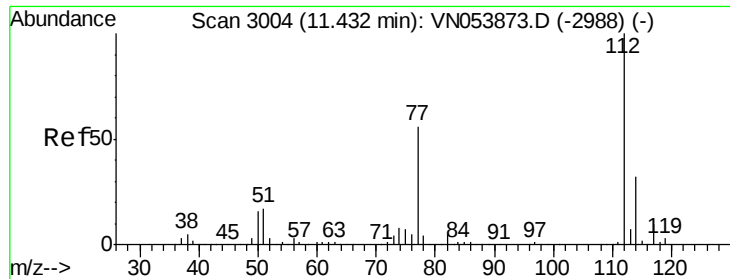
MMDadoda
2/21/2019 10:51:54 AM



#64
Tetrachloroethene
Concen: 20.712 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147705		
166	122.3		102.6	153.8
129	86.6		69.4	104.0
131	86.2		68.1	102.1





#65

Chlorobenzene

Concen: 19.743 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 329577

Ion Ratio Lower Upper

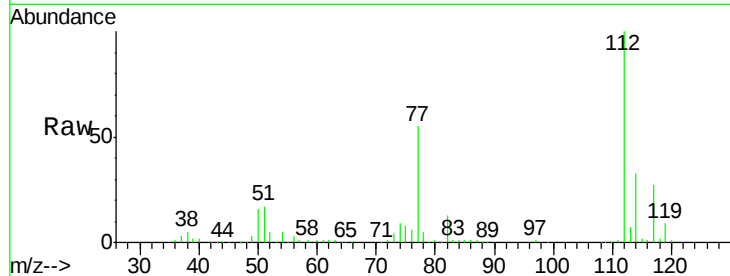
112 100

114 32.6 25.7 38.5

Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

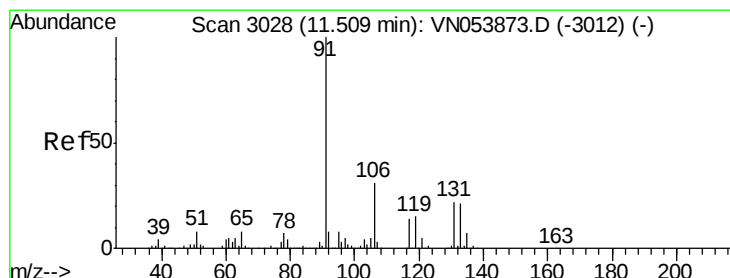
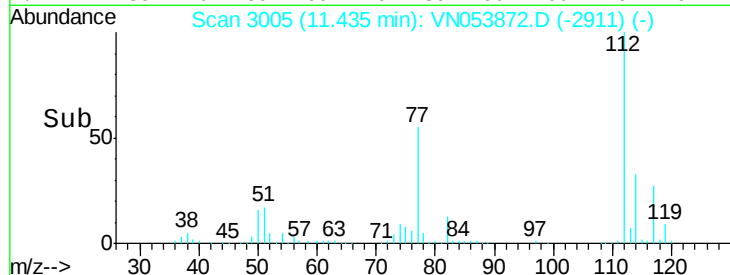
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.351 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

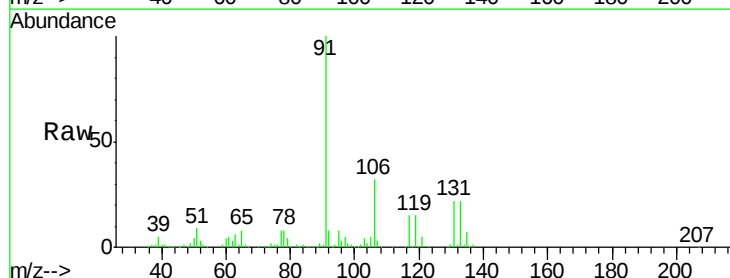
Tgt Ion:131 Resp: 123968

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

119 67.6 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

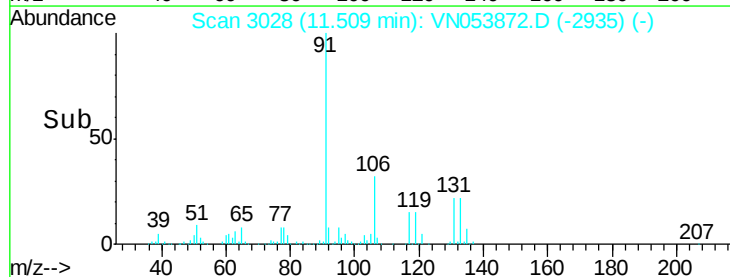
150000

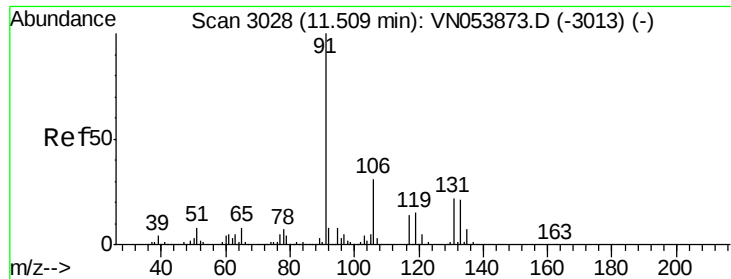
100000

50000

0

Time-->





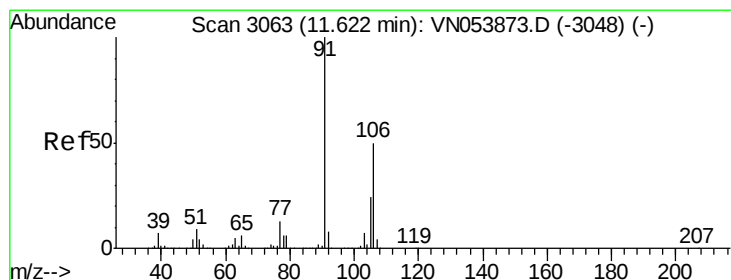
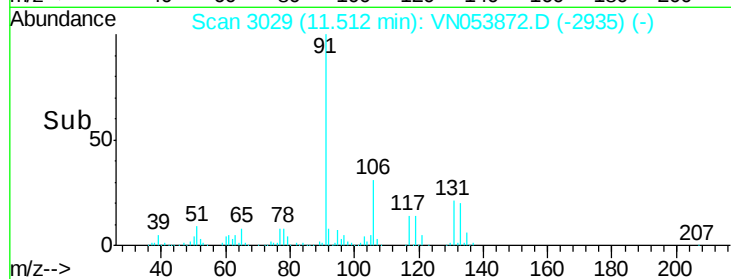
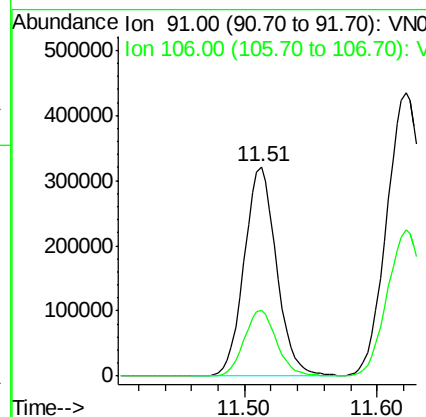
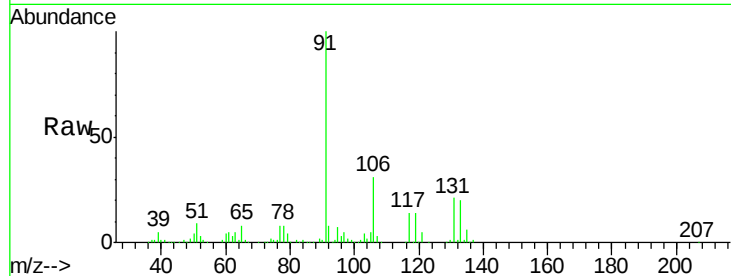
#67
Ethyl Benzene
Concen: 20.196 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 545610
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

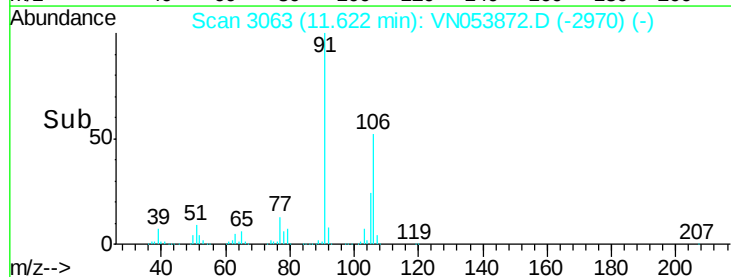
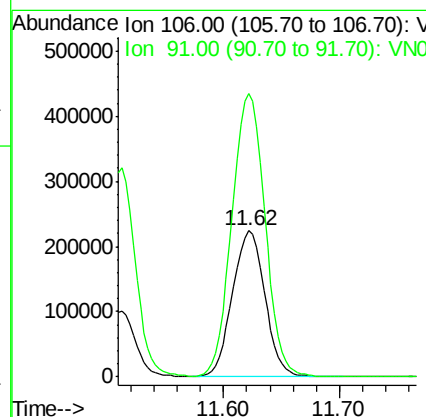
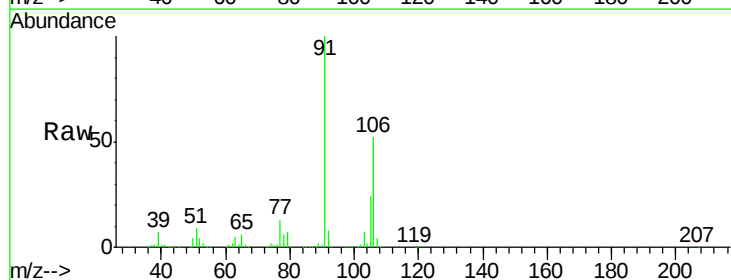
Manual Integrations
APPROVED

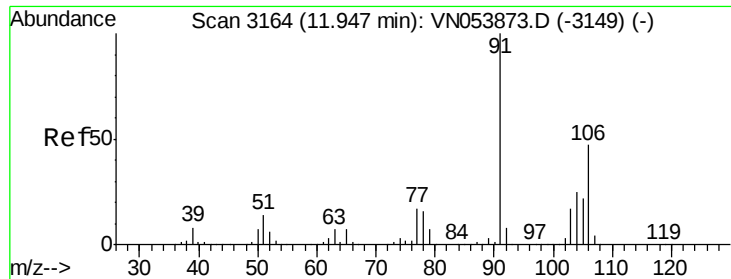
MMDadoda
2/21/2019 10:51:54 AM



#68
m/p-Xylenes
Concen: 41.670 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion: 106 Resp: 435893
Ion Ratio Lower Upper
106 100
91 197.1 158.9 238.3





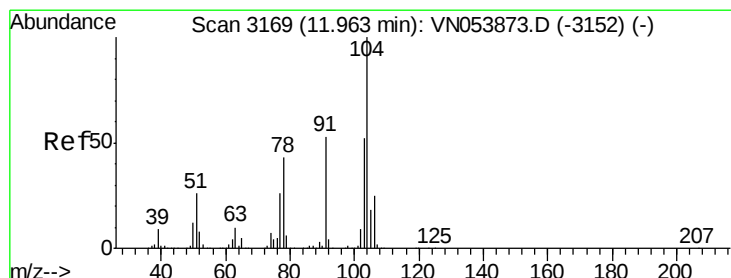
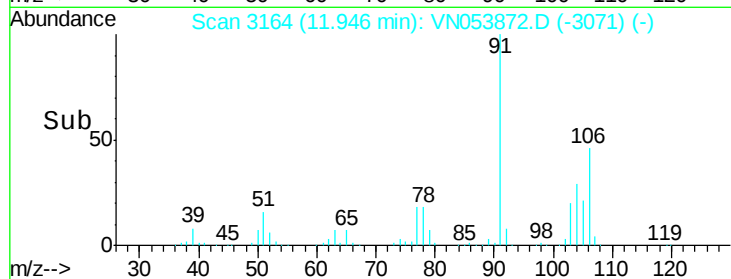
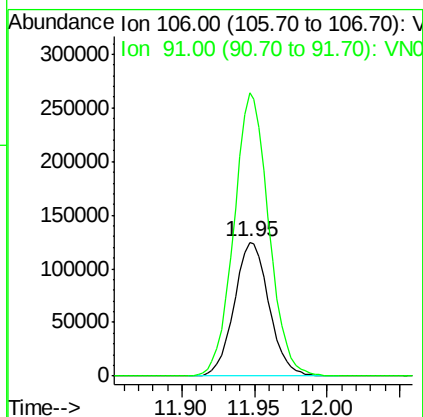
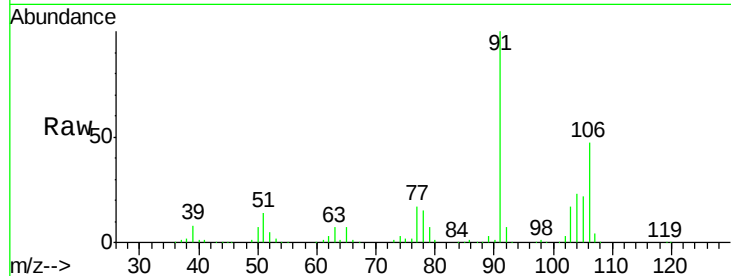
#69
o-Xylene
Concen: 20.625 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	106.0	318.0

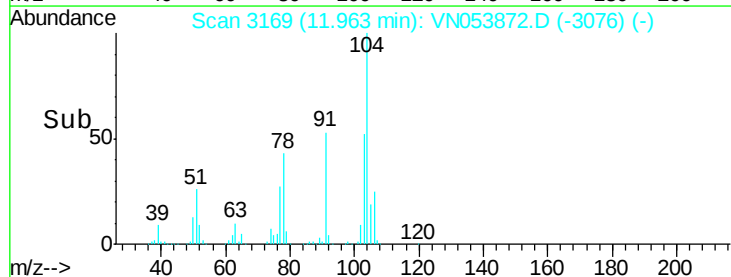
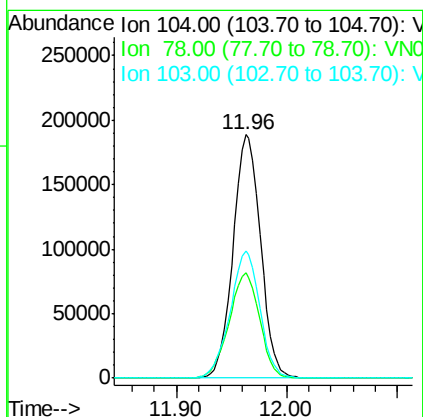
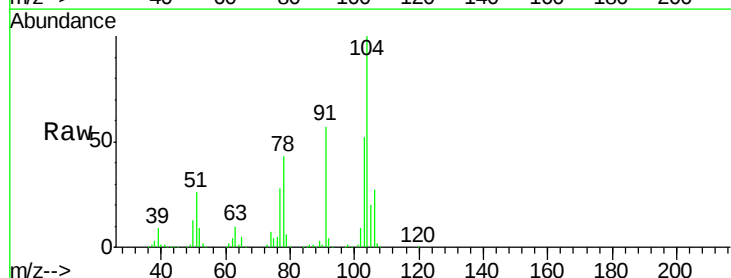
Manual Integrations
APPROVED

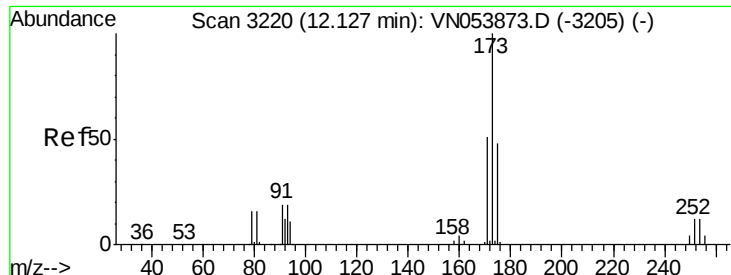
MMDadoda
2/21/2019 10:51:54 AM



#70
Styrene
Concen: 20.689 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.1	57.1
103	56.1	44.6	67.0





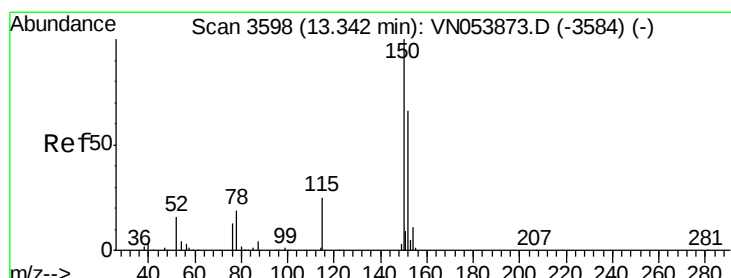
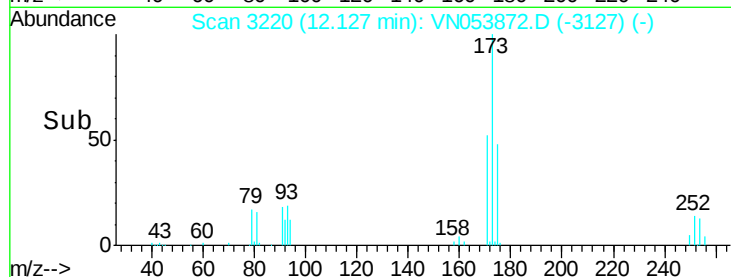
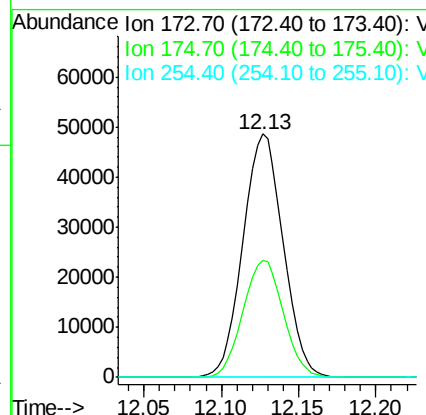
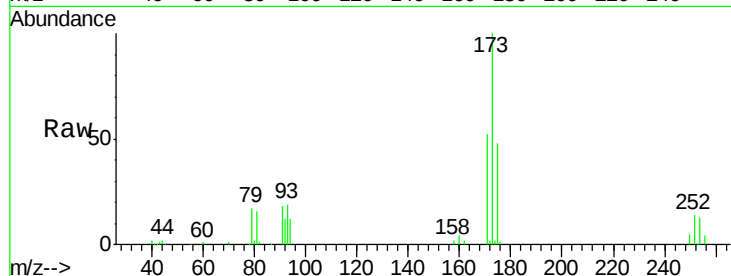
#71
Bromoform
Concen: 20.374 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.2	0.2

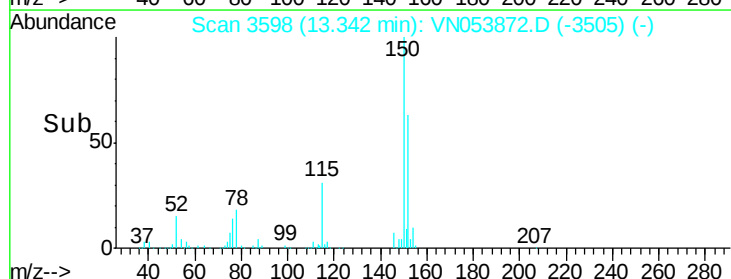
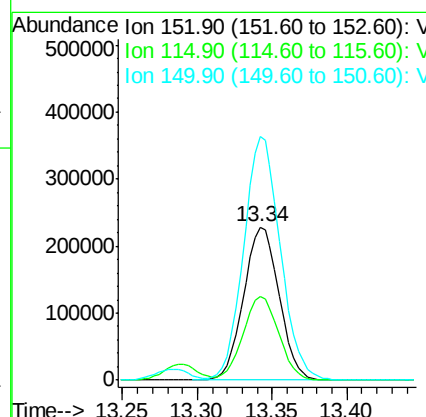
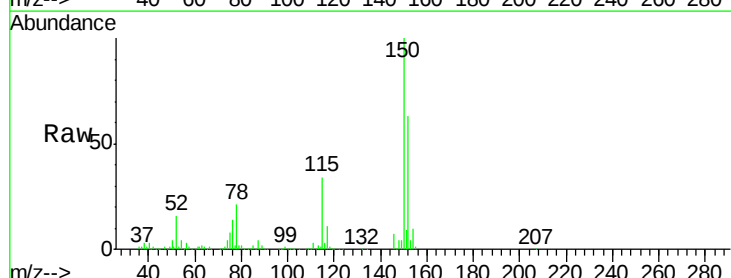
Manual Integrations
APPROVED

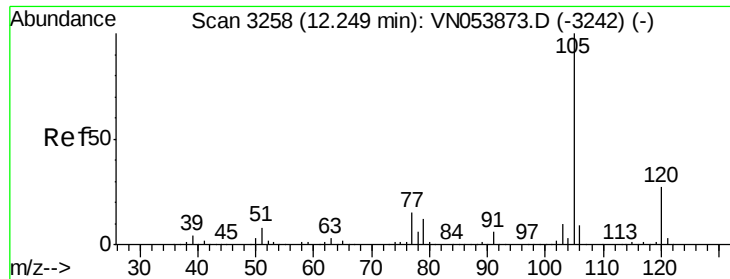
MMDadoda
2/21/2019 10:51:54 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.2	81.6
150	164.5	0.0	348.2





#73

Isopropylbenzene

Concen: 20.671 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 548904

Ion Ratio Lower Upper

105 100

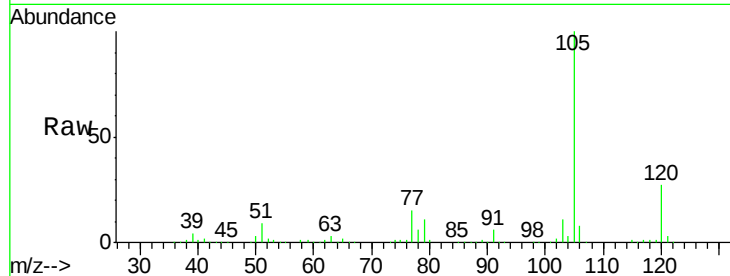
120 27.4 13.5 40.5

Manual Integrations

APPROVED

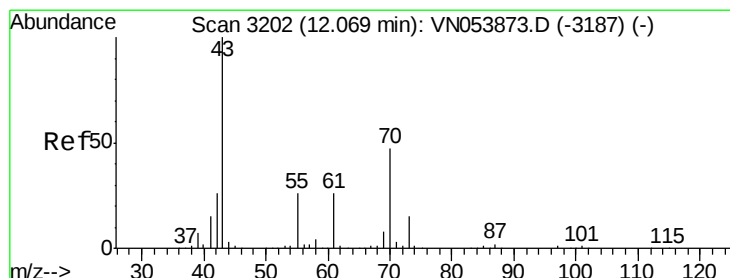
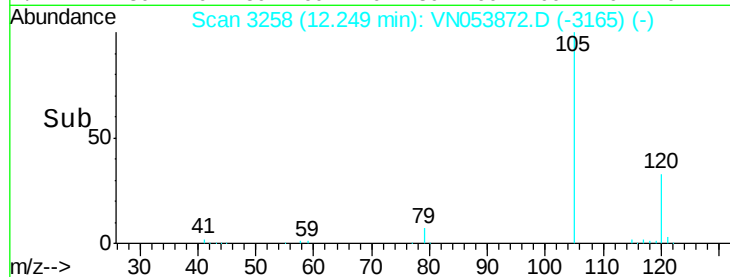
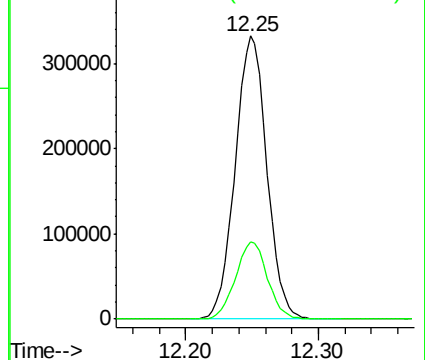
MMDadoda

2/21/2019 10:51:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.147 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Tgt Ion: 43 Resp: 122856

Ion Ratio Lower Upper

43 100

70 45.9 37.4 56.2

55 27.2 21.4 32.0

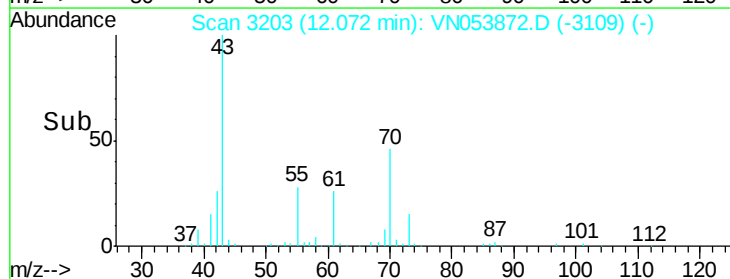
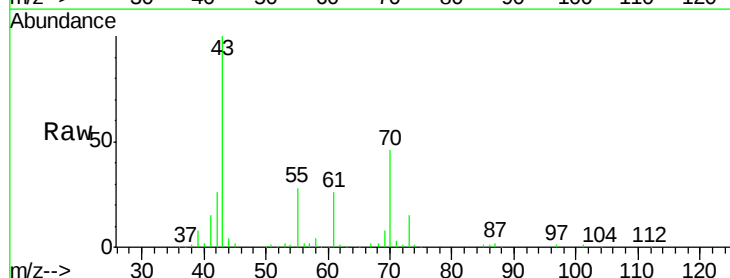
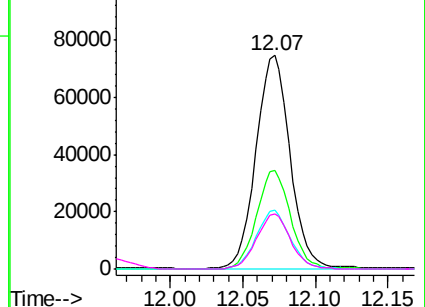
61 25.5 20.9 31.3

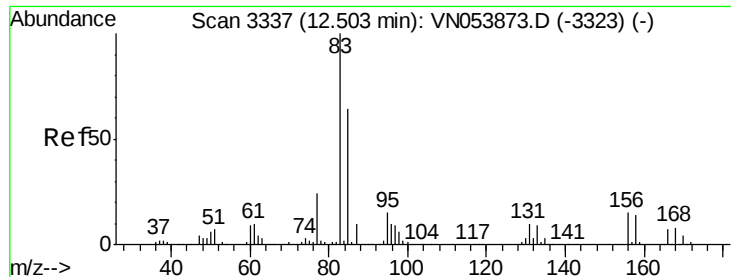
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.951 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

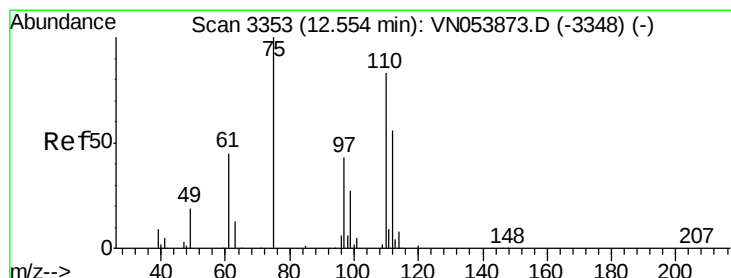
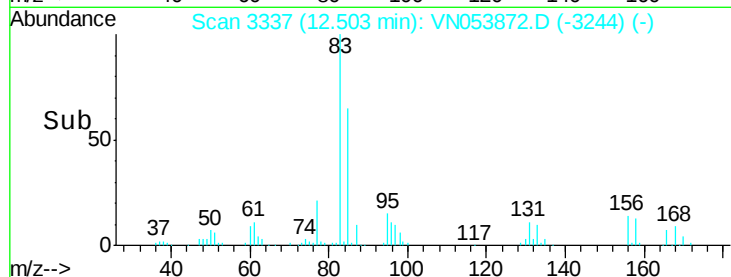
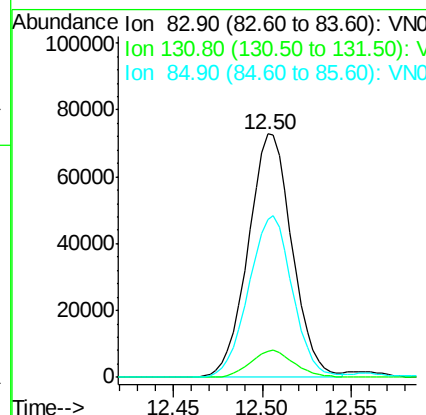
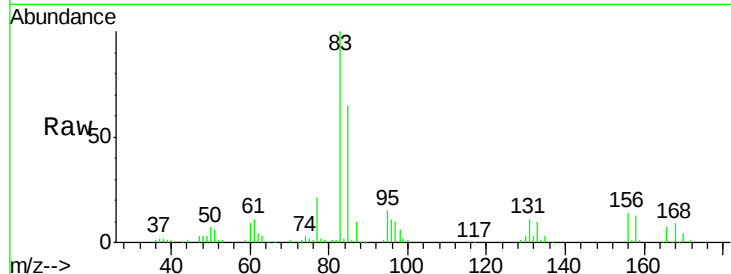
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	125252
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	66.2	31.9	95.9

Manual Integrations
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2/21/2019 10:51:54 AM



#76

1,2,3-Trichloropropane

Concen: 22.610 ug/l m

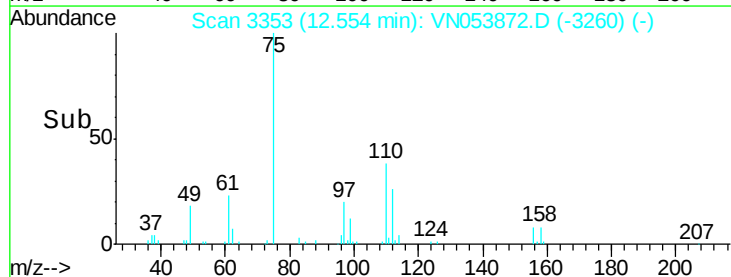
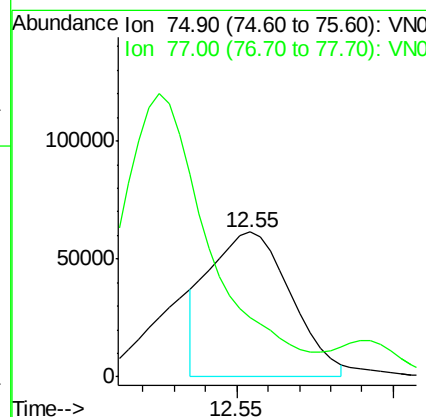
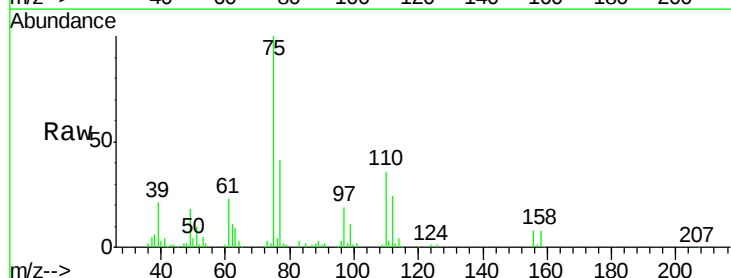
RT: 12.55 min Scan# 3353

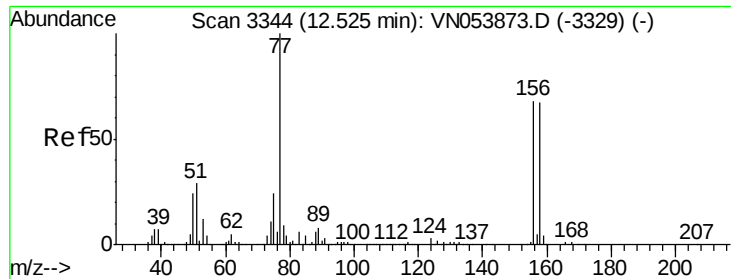
Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Tgt Ion:	75	Resp:	111332
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.243 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

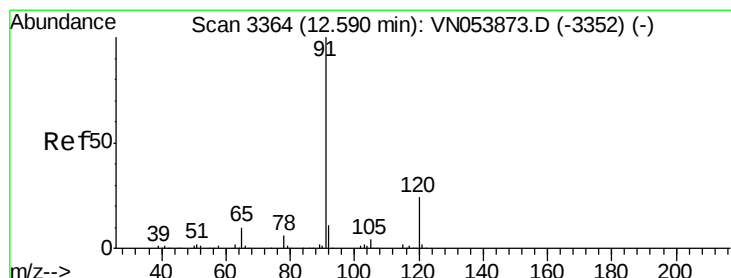
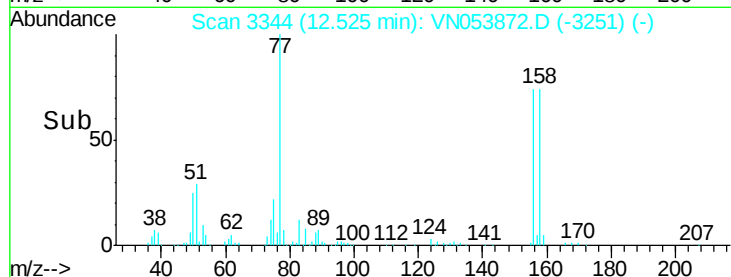
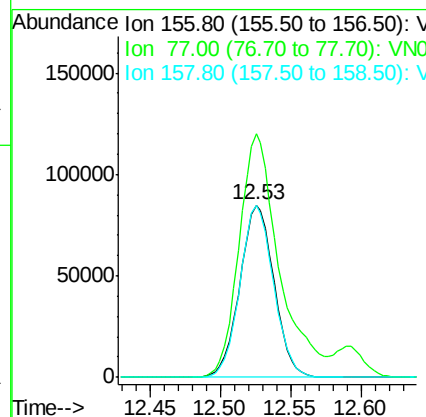
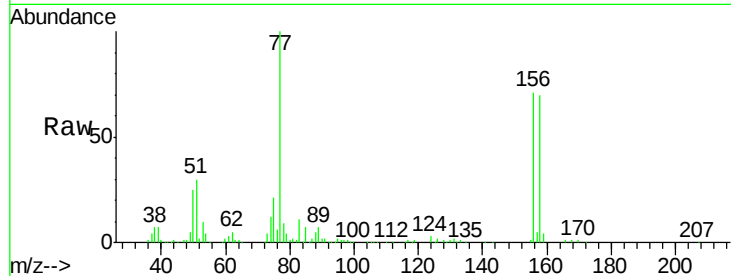
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.6	84.0	252.2
158	98.3	48.5	145.6

Manual Integrations
APPROVED

MMDadoda
2/21/2019 10:51:54 AM



#78

n-propylbenzene

Concen: 20.918 ug/l

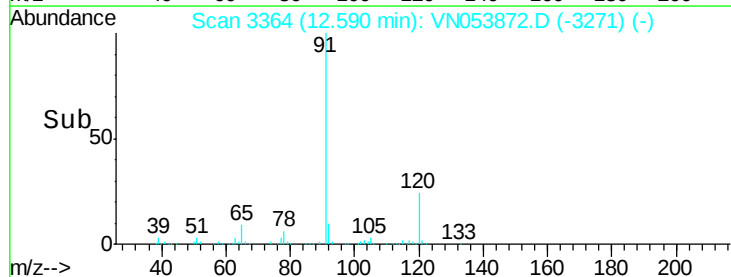
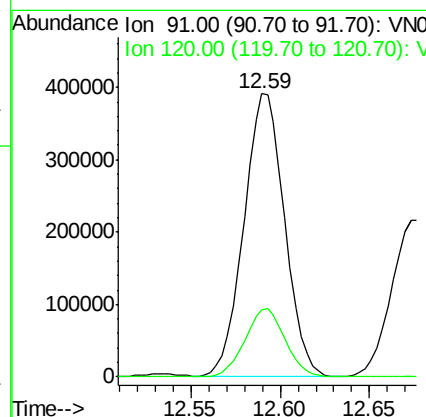
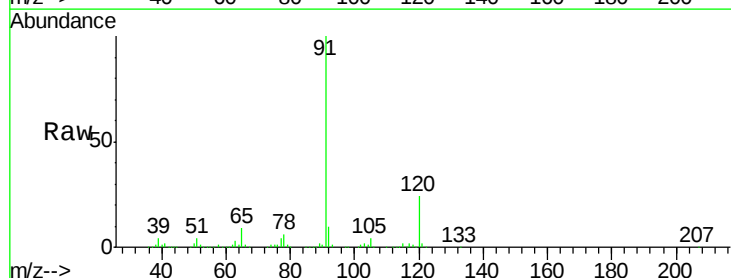
RT: 12.59 min Scan# 3364

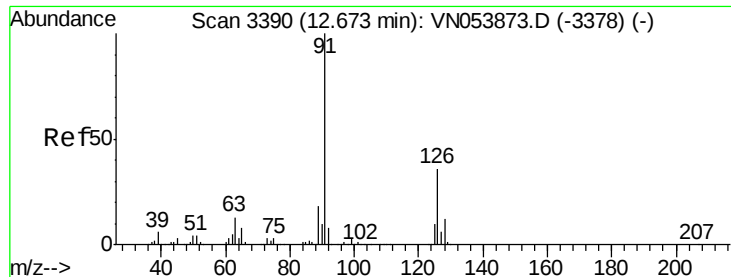
Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.802 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 372457

Ion Ratio Lower Upper

91 100

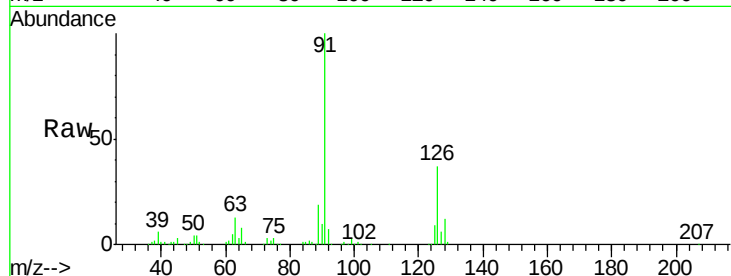
126 36.6 18.1 54.4

Manual Integrations

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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) (-)

300000

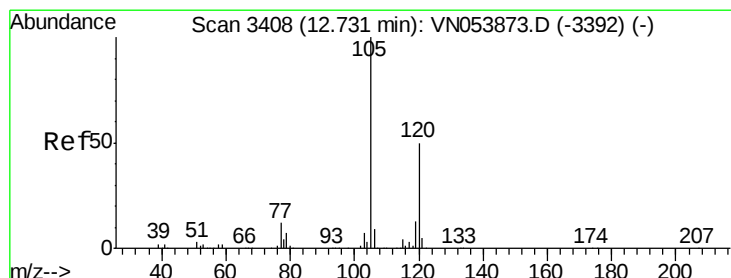
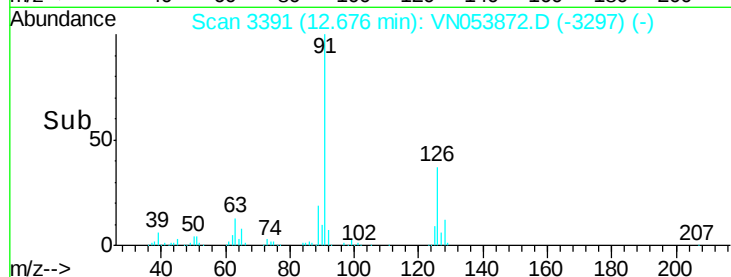
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.416 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053872.D

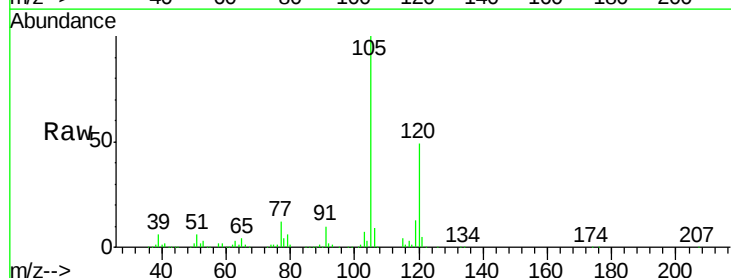
Acq: 20 Feb 2019 9:24

Tgt Ion: 105 Resp: 472050

Ion Ratio Lower Upper

105 100

120 49.5 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) (-)

300000

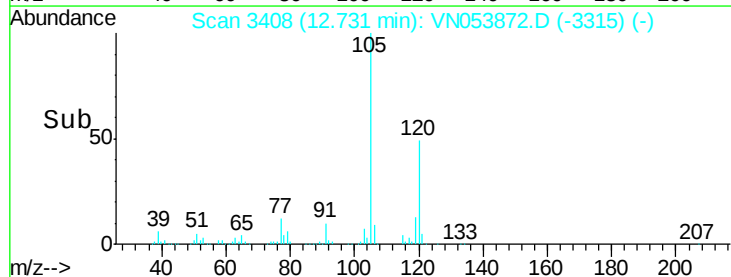
200000

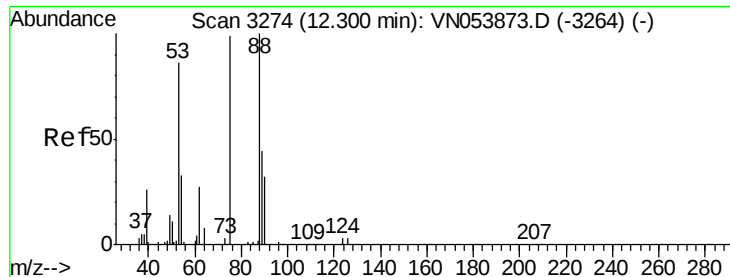
100000

0

12.70 12.80

Time-->





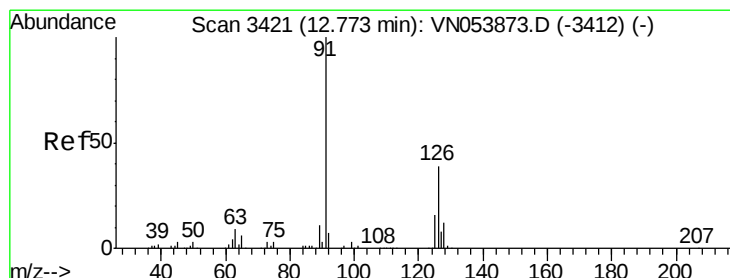
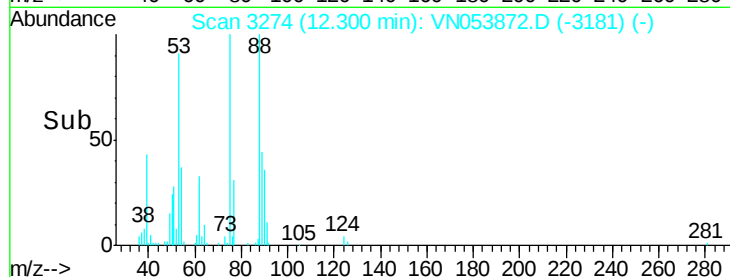
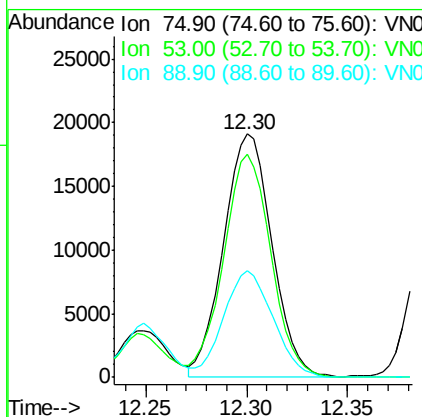
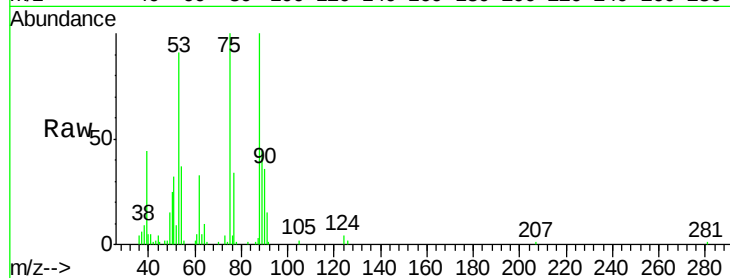
#81
trans-1,4-Dichloro-2-butene
Concen: 19.193 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.7	68.6	102.8
89	44.2	35.3	52.9

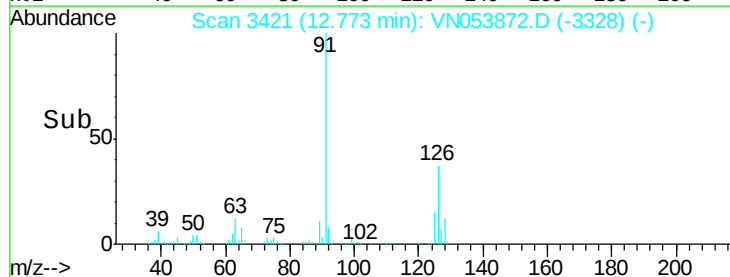
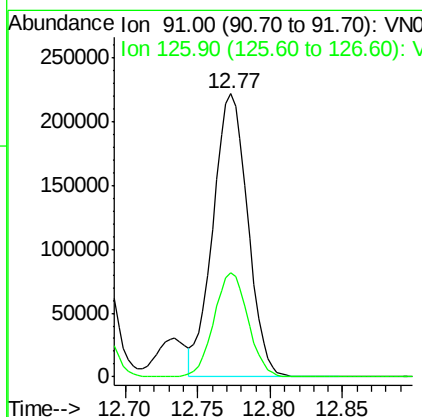
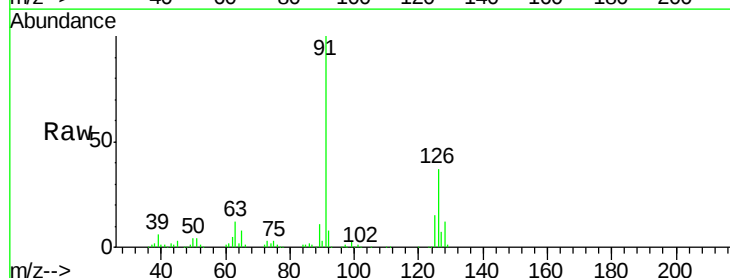
Manual Integrations
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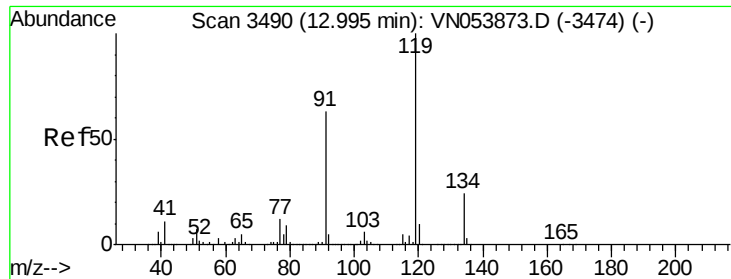
MMDadoda
2/21/2019 10:51:54 AM



#82
4-Chlorotoluene
Concen: 20.800 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.0	54.0





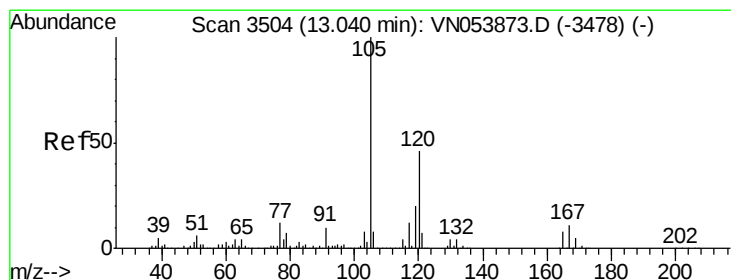
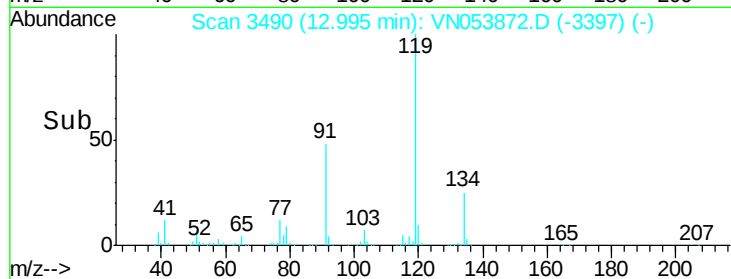
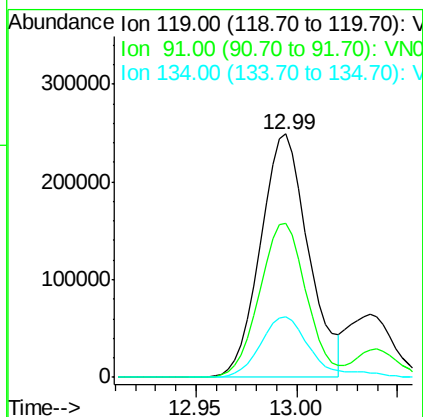
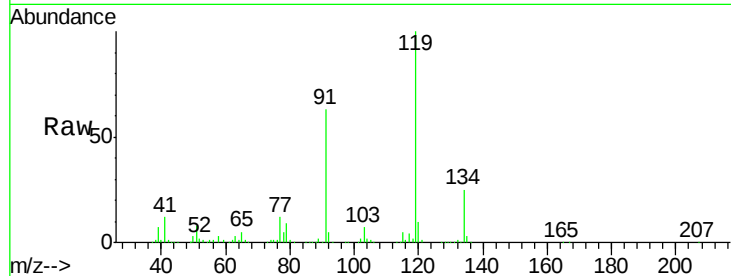
#83
tert-Butylbenzene
Concen: 20.873 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	413128		
91	61.5	30.6	91.8	
134	26.3	13.0	39.0	

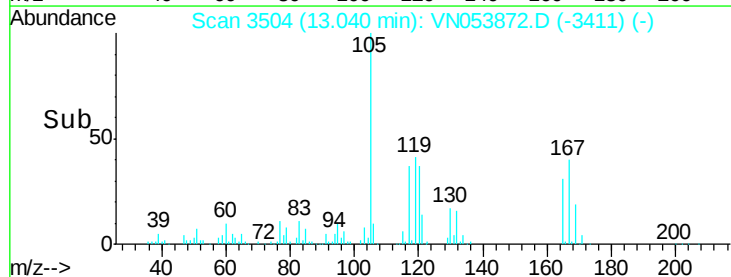
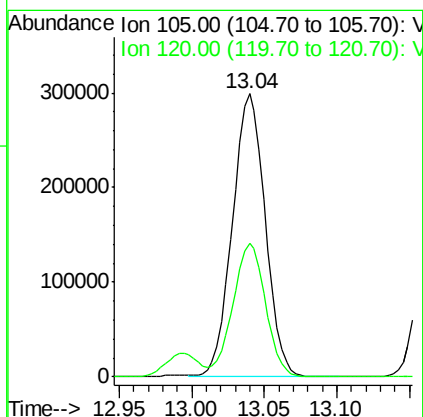
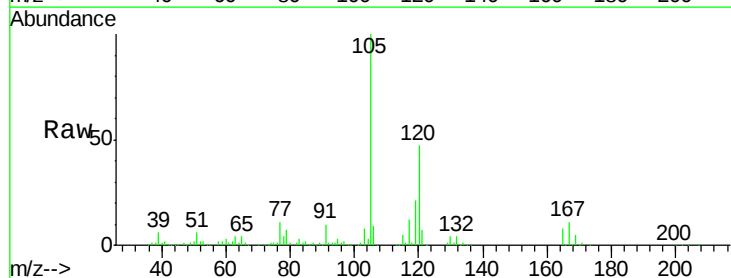
Manual Integrations
APPROVED

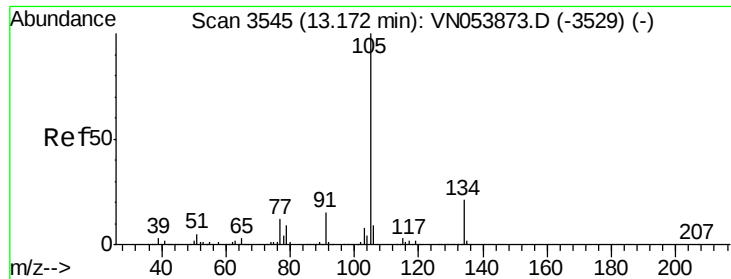
MMDadoda
2/21/2019 10:51:54 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.243 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	469619		
120	46.7	23.2	69.5	





#85

sec-Butylbenzene

Concen: 21.067 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 561413

Ion Ratio Lower Upper

105 100

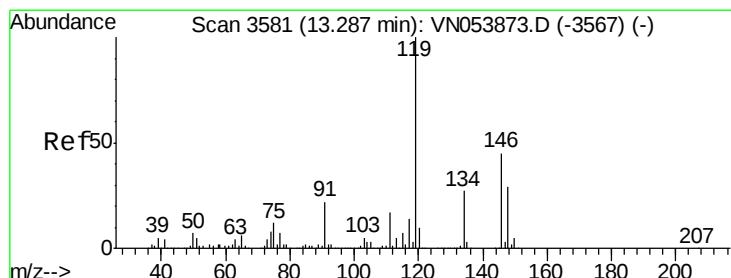
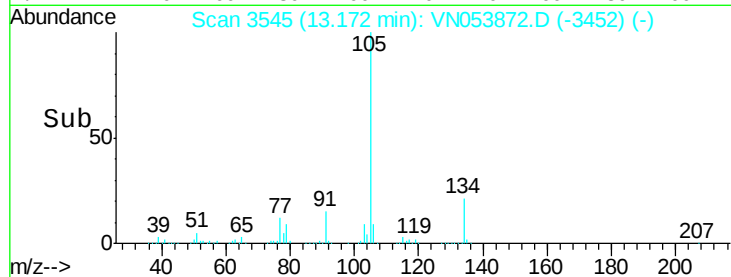
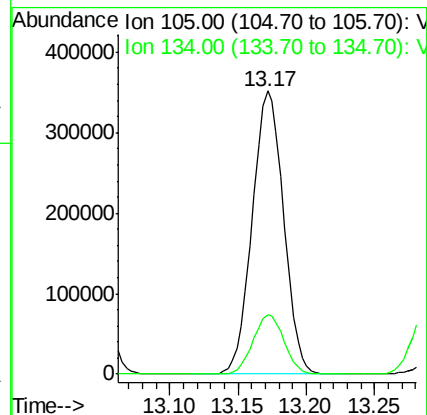
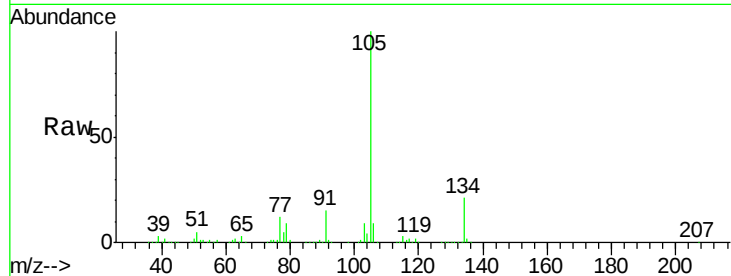
134 20.8 10.4 31.1

Manual Integrations

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2/21/2019 10:51:54 AM



#86

p-Isopropyltoluene

Concen: 21.239 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

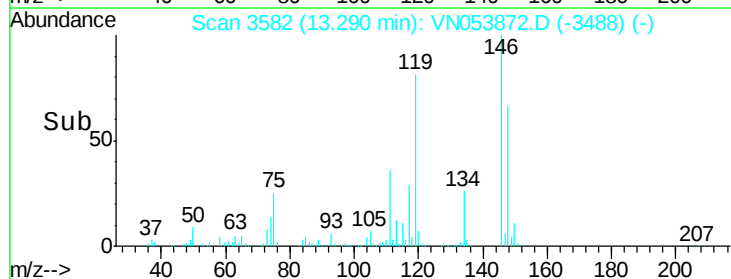
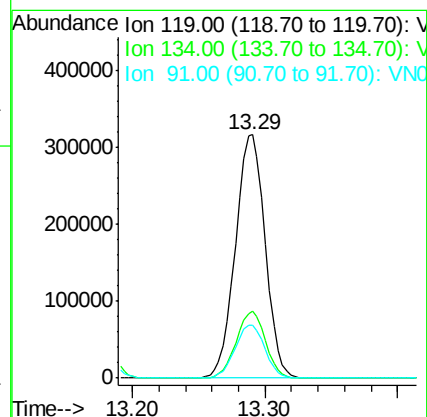
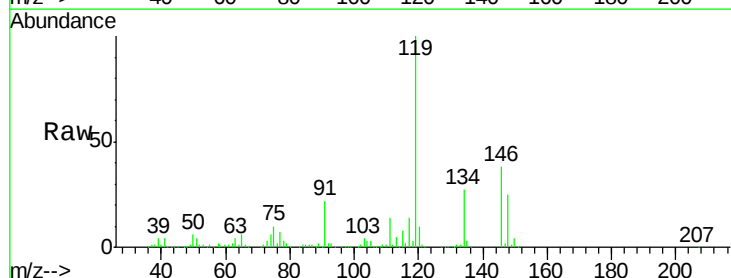
Tgt Ion:119 Resp: 491213

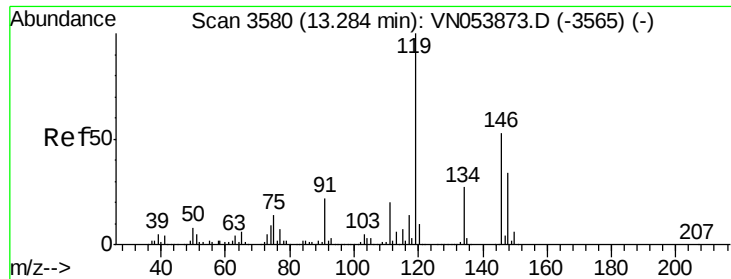
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 10.9 32.6





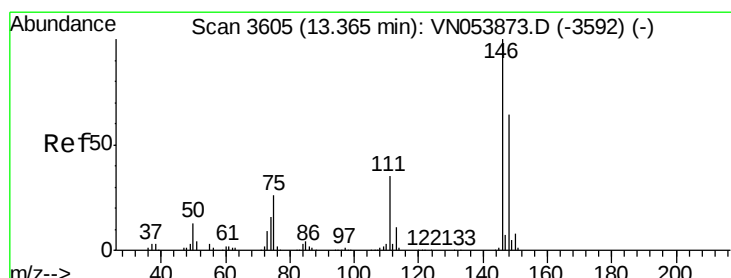
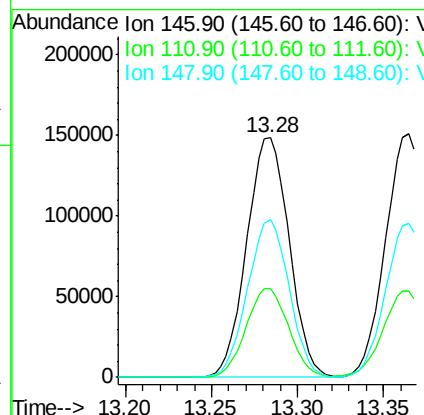
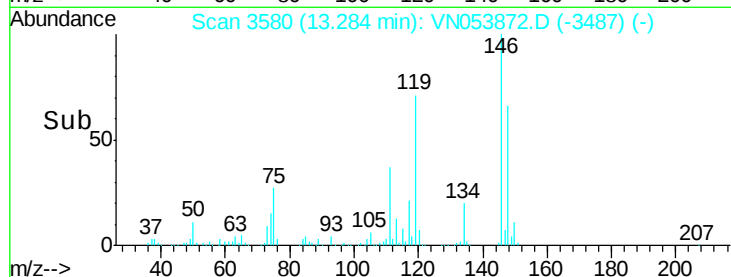
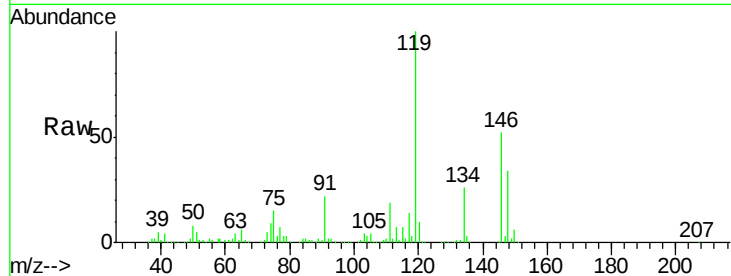
#87
 1,3-Dichlorobenzene
 Concen: 20.486 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	254655		
111	37.0	18.7	56.1	
148	64.5	32.0	96.2	

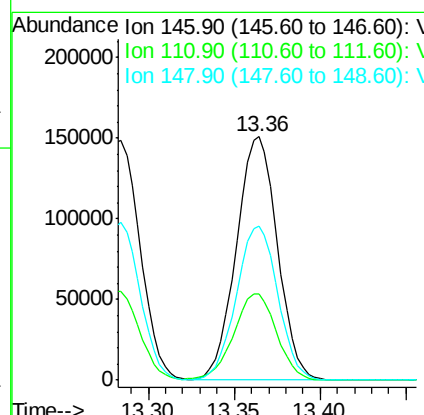
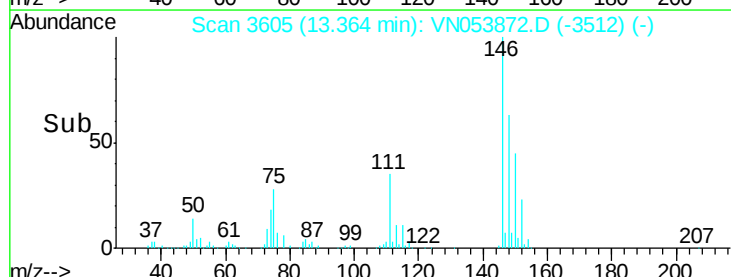
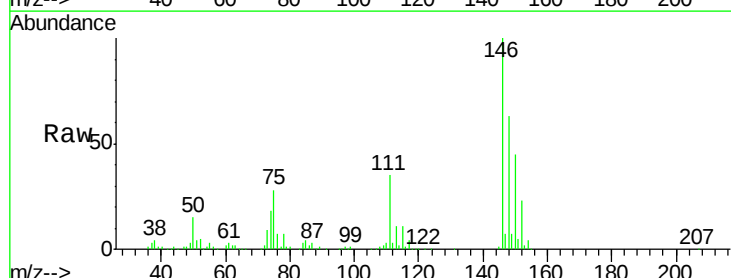
Manual Integrations
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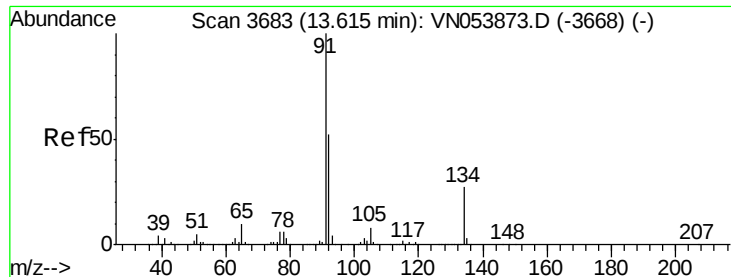
MMDadoda
 2/21/2019 10:51:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.102 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251425		
111	37.0	18.0	54.0	
148	63.9	32.1	96.5	





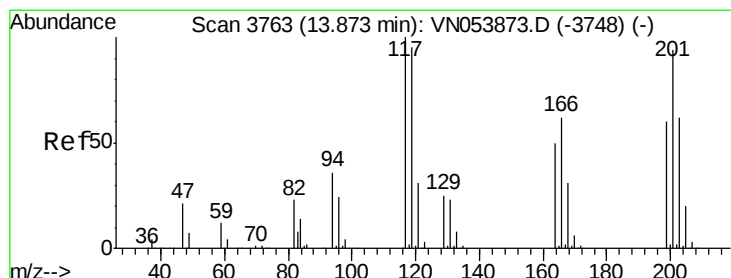
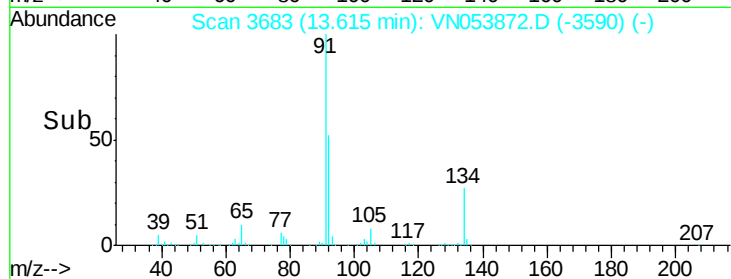
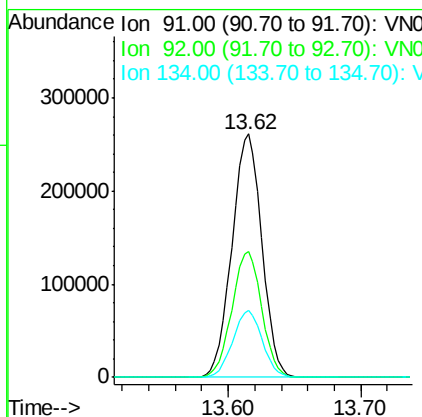
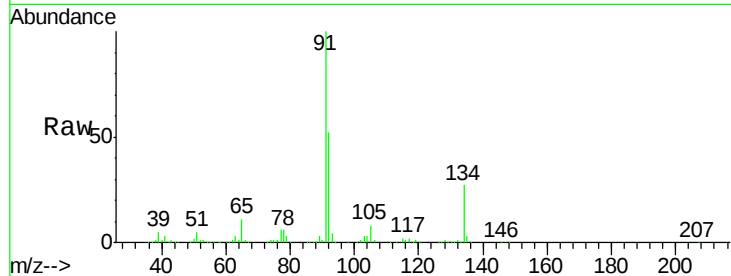
#89
n-Butylbenzene
Concen: 21.453 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	27.0	13.6	40.8

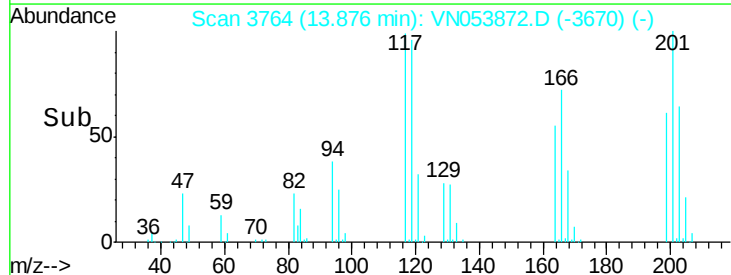
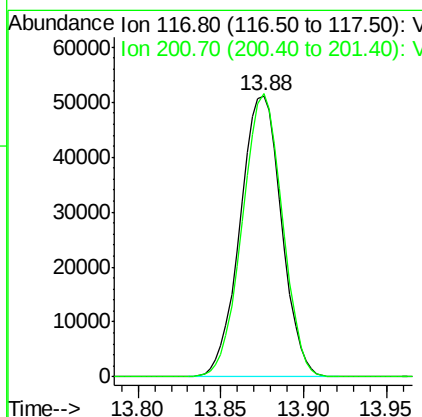
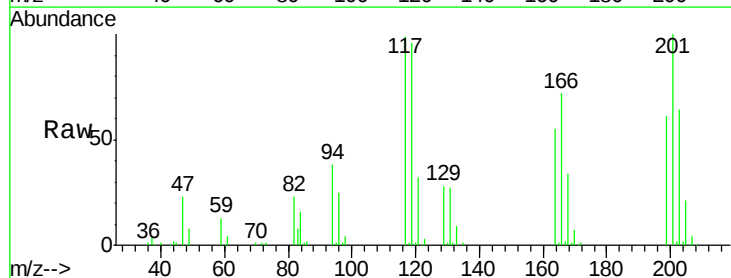
Manual Integrations
APPROVED

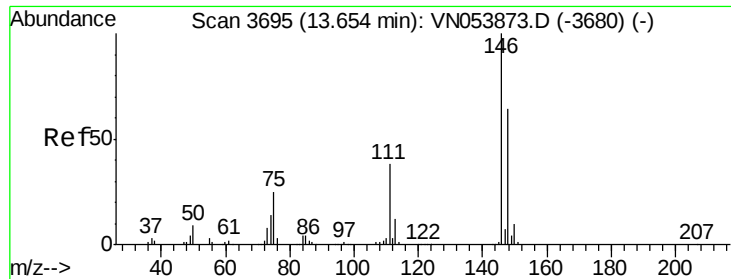
MMDadoda
2/21/2019 10:51:54 AM



#90
Hexachloroethane
Concen: 20.099 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053872.D
Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.2	48.0	144.2





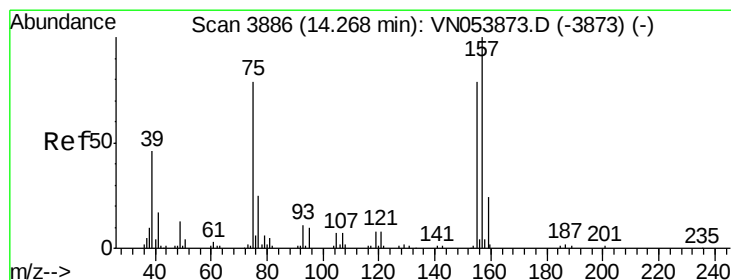
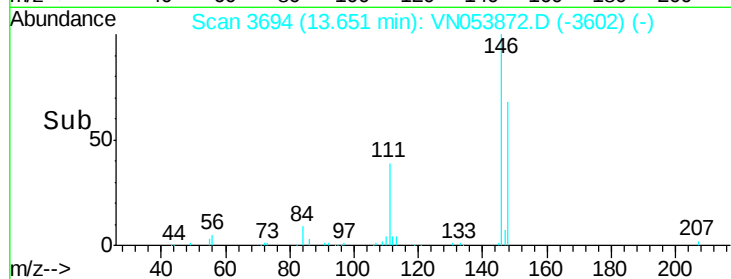
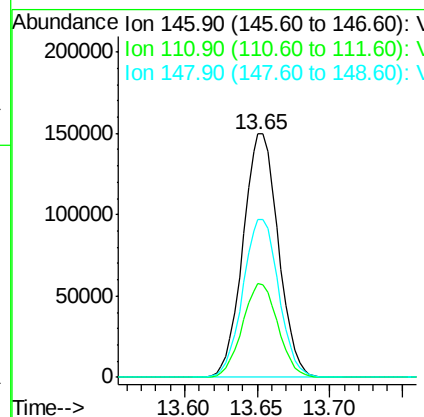
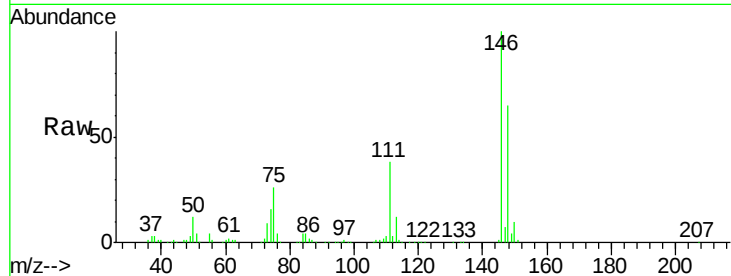
#91
 1,2-Dichlorobenzene
 Concen: 20.780 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	253425		
111	38.6	19.1	57.5	
148	66.0	32.1	96.5	

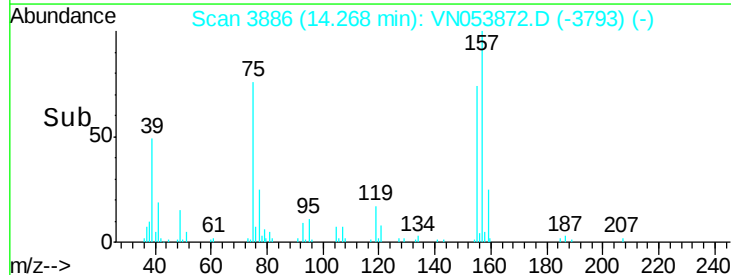
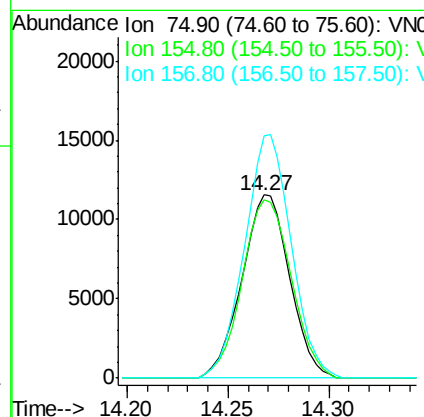
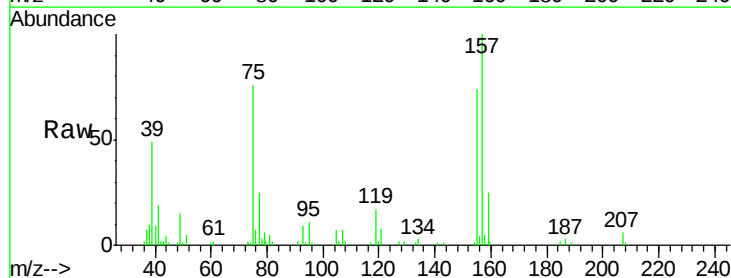
Manual Integrations
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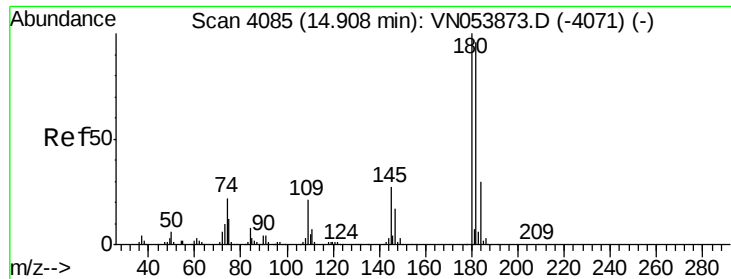
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.955 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19197		
155	99.9	49.5	148.5	
157	129.9	64.8	194.6	





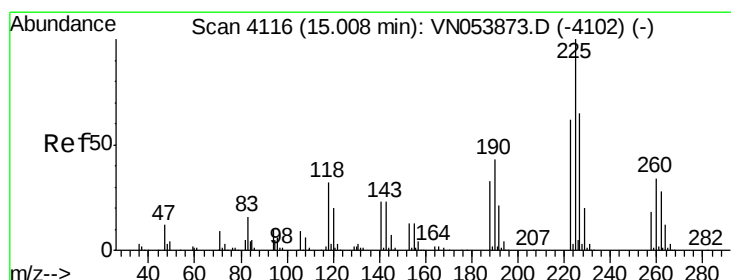
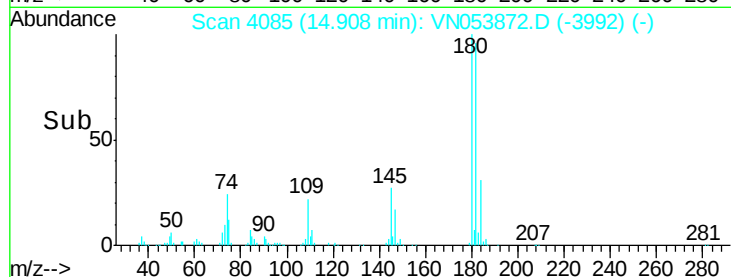
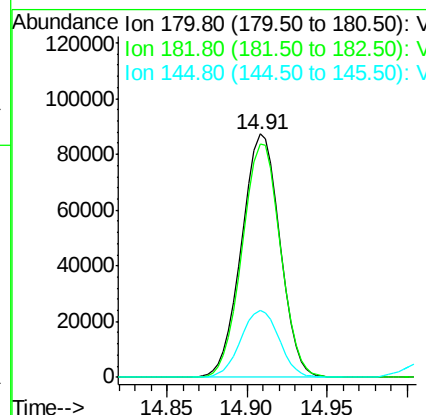
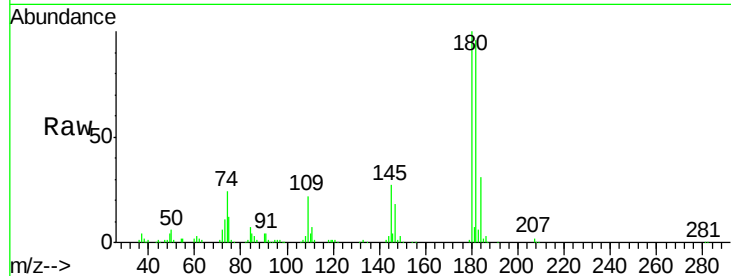
#93
 1,2,4-Trichlorobenzene
 Concen: 22.765 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142465		
182	95.7	48.6	145.9	
145	27.6	13.8	41.3	

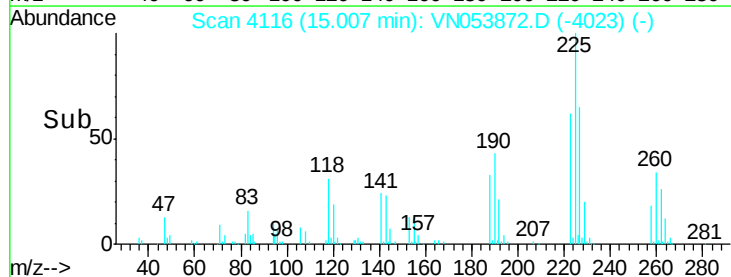
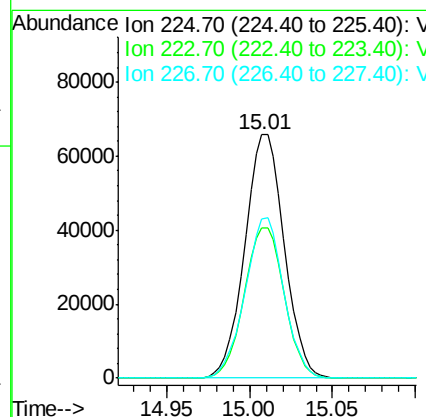
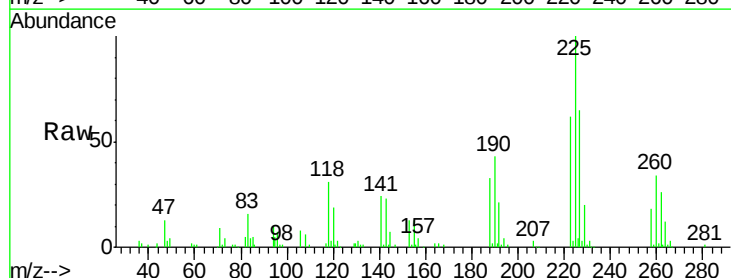
Manual Integrations
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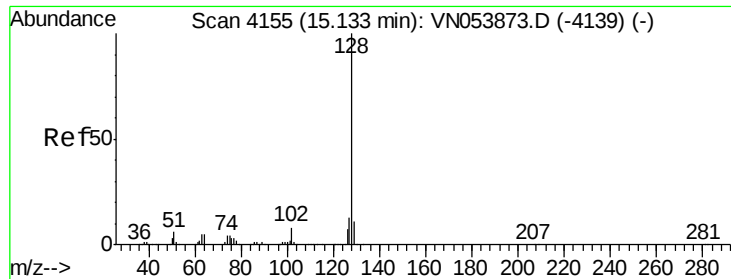
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 2/21/2019 10:51:54 AM



#94
 Hexachlorobutadiene
 Concen: 21.342 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053872.D
 Acq: 20 Feb 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108543		
223	62.7	30.9	92.5	
227	64.5	32.5	97.4	





#95

Naphthalene

Concen: 22.293 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Instrument :

MSVOA_N

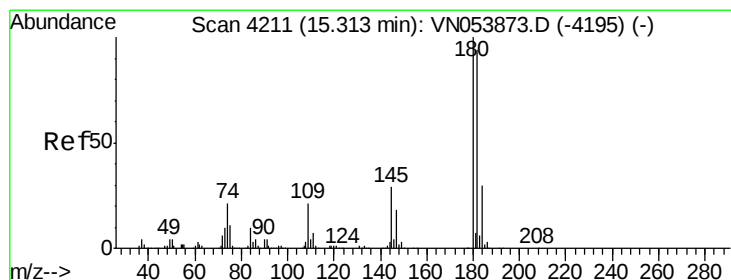
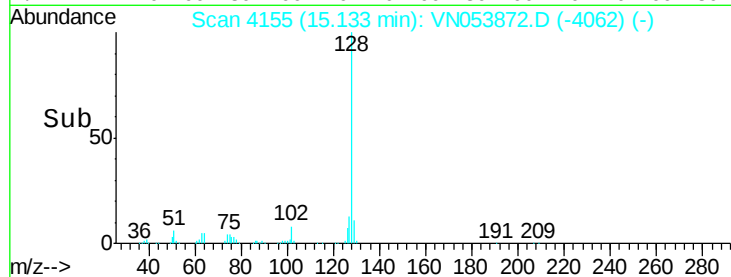
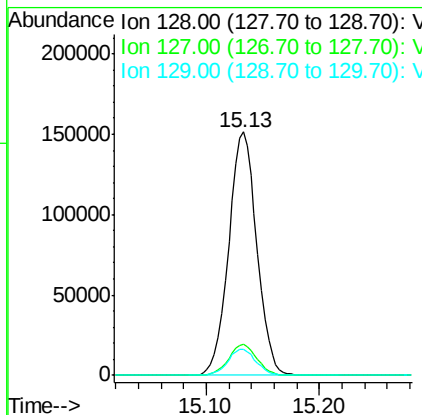
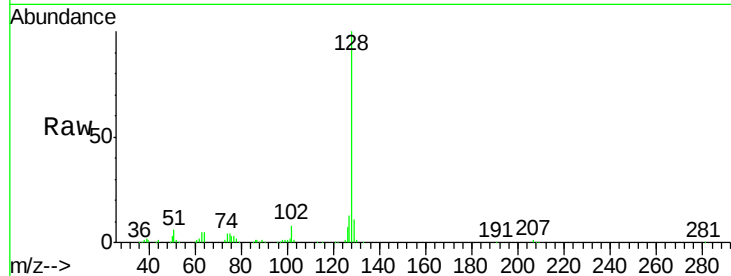
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	260557
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 23.178 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053872.D

Acq: 20 Feb 2019 9:24

Tgt Ion:	180	Resp:	140751
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.3	141.8
145	29.0	14.4	43.0

