

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056877.D
 Acq On : 23 Jul 2019 14:36
 Operator : JC/SP
 Sample : K3928-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ROLL-OFF-COMP

Quant Time: Jul 24 01:15:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	248597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	467095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	527670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185683	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	150201	56.64	ug/l	0.00
Spiked Amount			Recovery	=	113.28%	
35) Dibromofluoromethane	7.59	113	140335	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.09	98	599503	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.40	95	225273	60.77	ug/l	0.00
Spiked Amount			Recovery	=	121.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	690	0.356	ug/l	86
8) Diethyl Ether	3.39	74	374	0.258	ug/l #	42
10) Methyl Iodide	3.94	142	388	0.240	ug/l #	44
14) Allyl chloride	4.55	41	2925	0.737	ug/l #	28
16) Acetone	3.82	43	12292	12.873	ug/l	96
18) Methyl Acetate	4.33	43	8296	0.843	ug/l #	88
20) Methylene Chloride	4.55	84	88833	31.112	ug/l	98
25) 2-Butanone	6.85	43	2986	2.127	ug/l	100
30) Chloroform	7.37	83	6990	1.501	ug/l	95
31) Cyclohexane	7.66	56	4348	0.965	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16585	3.850	ug/l #	48
38) Carbon Tetrachloride	7.66	117	21128	5.152	ug/l #	16
39) Methylcyclohexane	9.08	83	3647	0.677	ug/l	86
43) Isopropyl Acetate	8.17	43	15193	2.544	ug/l	95
45) 1,2-Dichloropropane	9.27	63	1131	0.314	ug/l #	43
47) Bromodichloromethane	9.40	83	1550	0.370	ug/l #	91
48) Methyl methacrylate	9.18	41	7329	2.453	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	3746	1.052	ug/l #	87
52) Toluene	10.15	92	2004	0.249	ug/l	97
54) cis-1,3-Dichloropropene	9.91	75	41288	8.156	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	7063	1.335	ug/l #	42
59) 2-Hexanone	10.76	43	93578	37.964	ug/l #	51
67) Ethyl Benzene	11.51	91	16861	0.891	ug/l	100
68) m/p-Xylenes	11.62	106	31715	4.475	ug/l	99
69) o-Xylene	11.95	106	10703	1.547	ug/l	94
70) Styrene	11.96	104	1227	0.619	ug/l #	1
71) Bromoform	12.40	173	1813	0.633	ug/l #	1
73) Isopropylbenzene	12.25	105	3398	Below Cal		94
76) 1,2,3-Trichloropropane	12.40	75	104658	27.197	ug/l #	100
78) n-propylbenzene	12.59	91	7102	0.416	ug/l	94
79) 2-Chlorotoluene	12.68	91	966	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	24522	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	104658	87.107	ug/l #	13
82) 4-Chlorotoluene	12.73	91	2476	0.244	ug/l #	40

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QLast Update : Tue Jul 23 01:46:34 2019
Response via : Initial Calibration

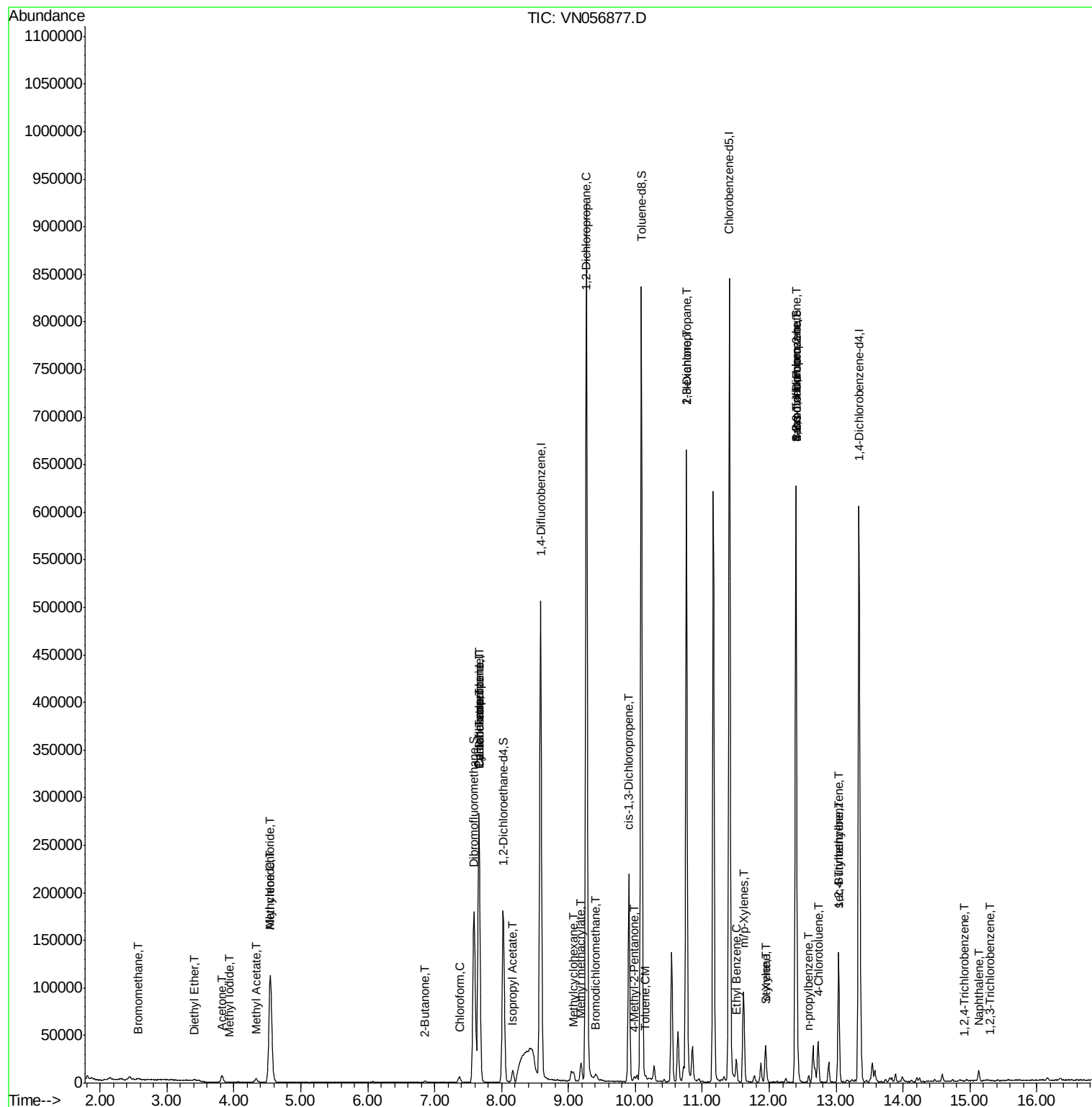
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
83) tert-Butylbenzene	12.99	119	323	Below Cal #	28
84) 1,2,4-Trimethylbenzene	13.04	105	78718	6.119 ug/l	99
85) sec-Butylbenzene	13.04	105	78718	5.207 ug/l #	56
93) 1,2,4-Trichlorobenzene	14.91	180	264	4.199 ug/l #	32
95) Naphthalene	15.13	128	10600	4.714 ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	192	2.521 ug/l #	12

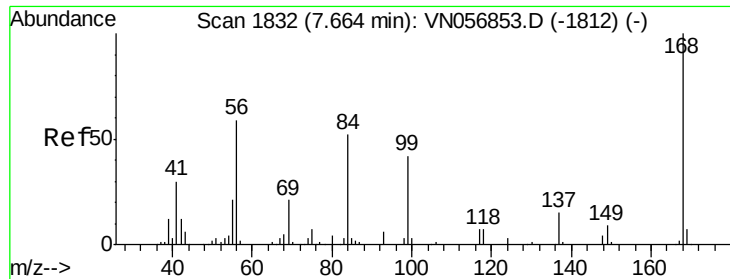
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

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Acq: 23 Jul 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

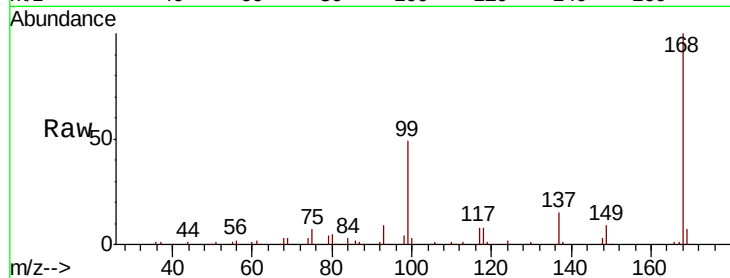
ROLL-OFF-COMP

Tot Ion:168 Resp: 248597

Ion Ratio Lower Upper

168 100

99 49.4 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

100000

80000

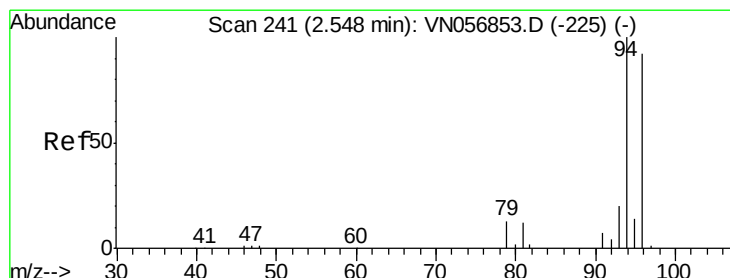
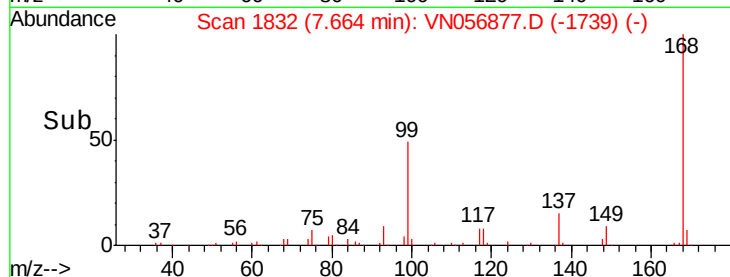
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: 0.356 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.02 min

Lab File: VN056877.D

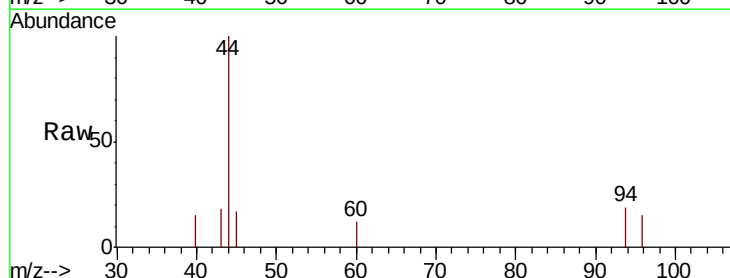
Acq: 23 Jul 2019 14:36

Tgt Ion: 94 Resp: 690

Ion Ratio Lower Upper

94 100

96 78.7 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.56

500

400

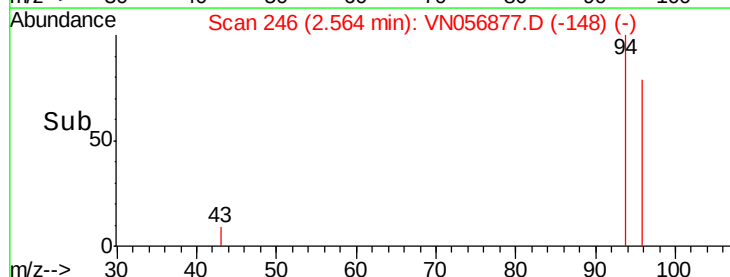
300

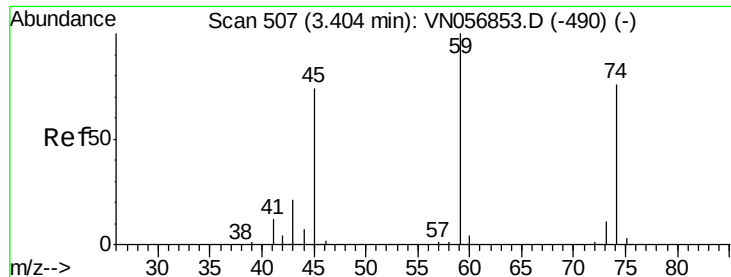
200

100

0

Time--> 2.54 2.56 2.58 2.60





#8

Diethyl Ether

Concen: 0.258 ug/l

RT: 3.39 min Scan# 504

Delta R.T. -0.01 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

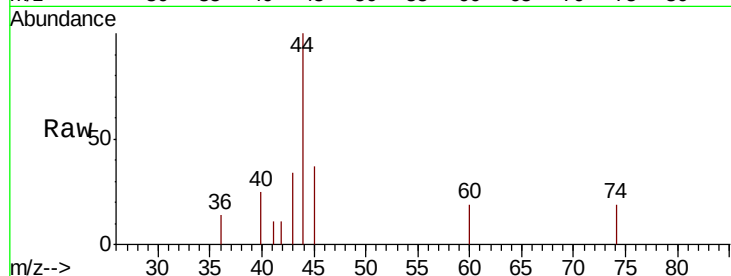
ROLL-OFF-COMP

Tot Ion: 74 Resp: 374

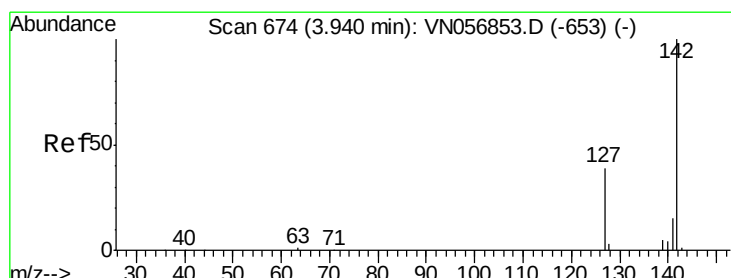
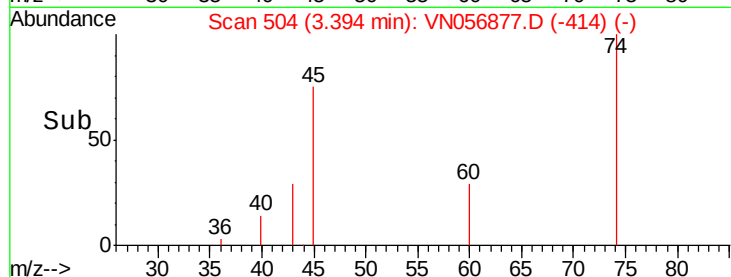
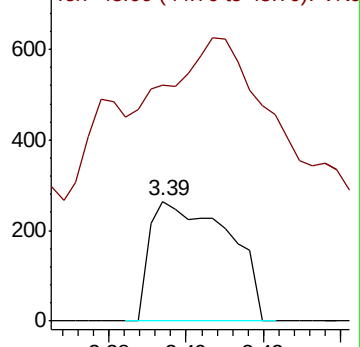
Ion Ratio Lower Upper

74 100

45 41.2 49.2 147.6#



Abundance Ion 74.00 (73.70 to 74.70): VN056877.D (-414) (-)



#10

Methyl Iodide

Concen: 0.240 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

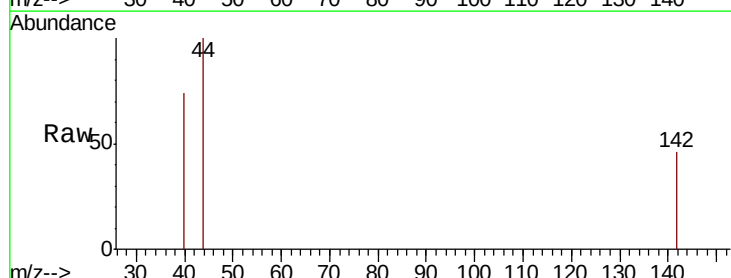
Tgt Ion: 142 Resp: 388

Ion Ratio Lower Upper

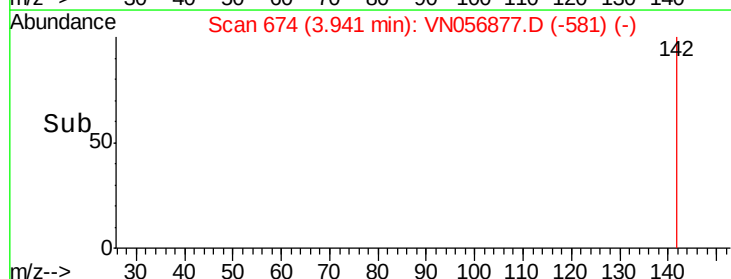
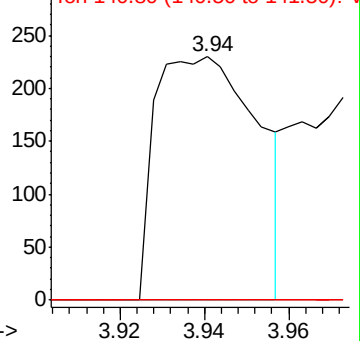
142 100

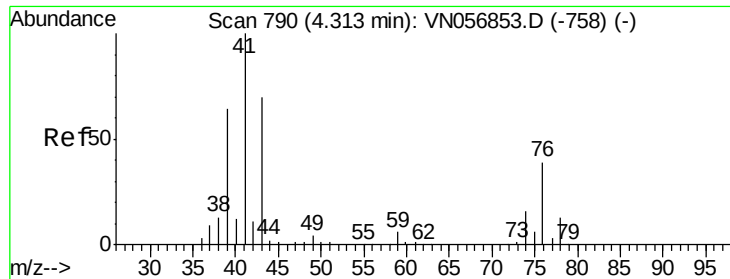
127 0.0 31.2 46.8#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): VN056877.D (-581) (-)





#14

Allvl chloride

Concen: 0.737 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.23 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

Instrument :

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ClientSampleId :

ROLL-OFF-COMP

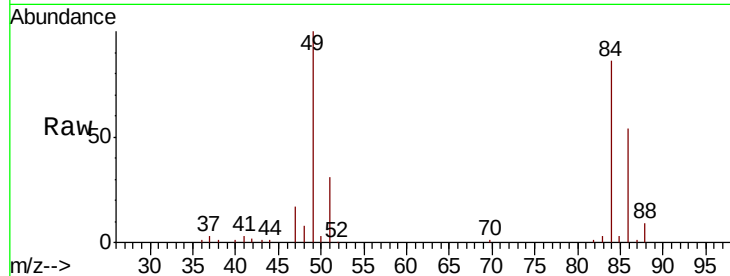
Tot Ion: 41 Resp: 2925

Ion Ratio Lower Upper

41 100

39 0.0 47.8 71.6#

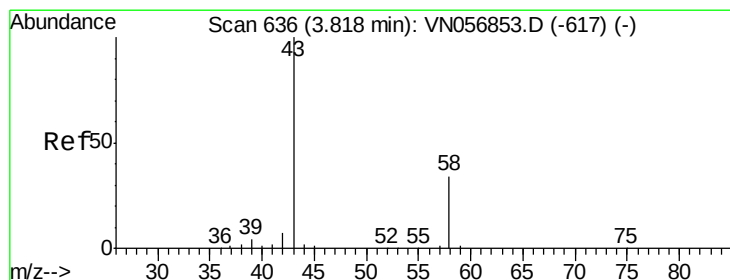
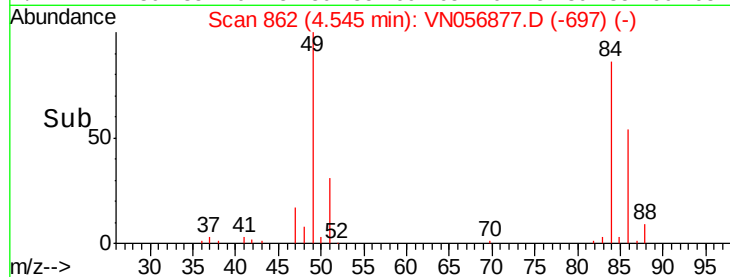
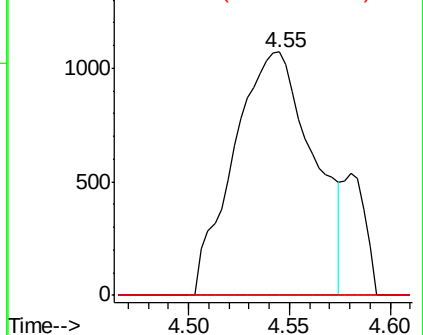
76 0.0 27.9 41.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 12.873 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056877.D

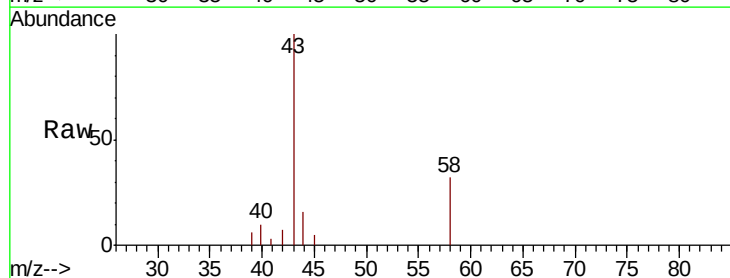
Acq: 23 Jul 2019 14:36

Tgt Ion: 43 Resp: 12292

Ion Ratio Lower Upper

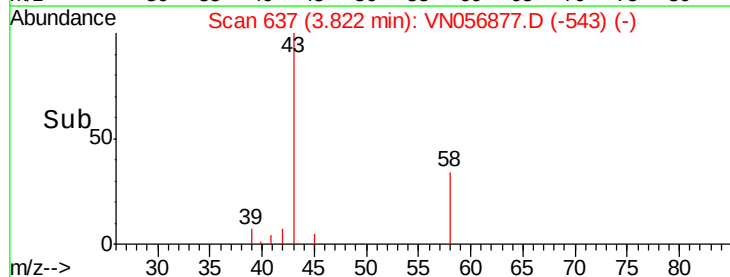
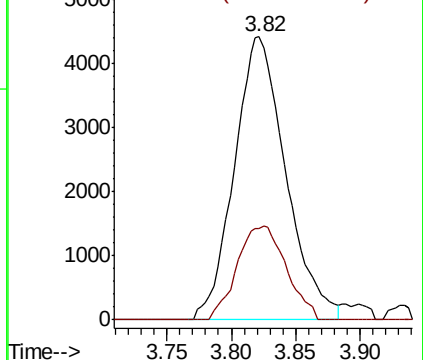
43 100

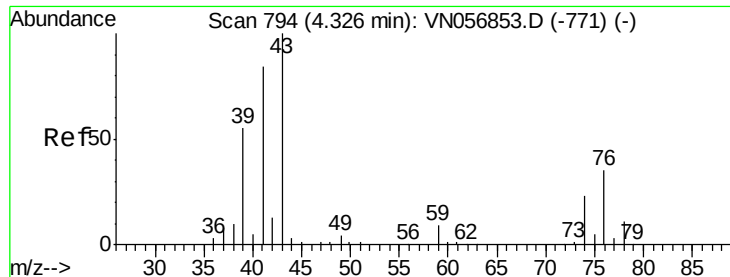
58 32.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

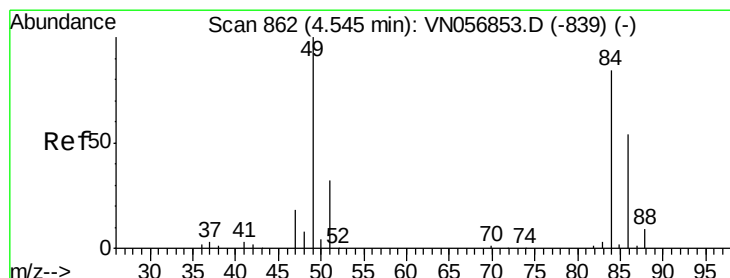
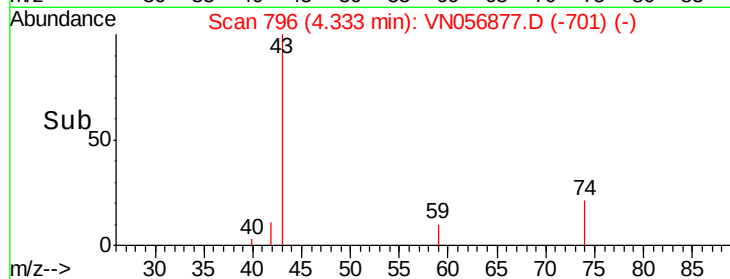
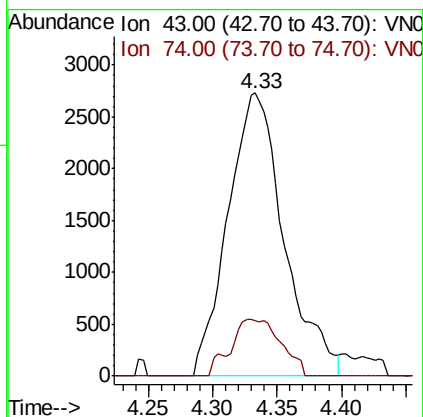
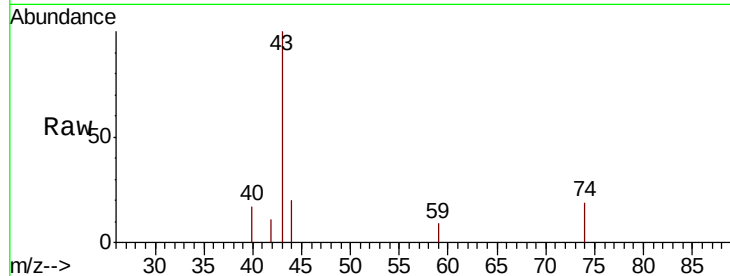




#18
Methvl Acetate
Concen: 0.843 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

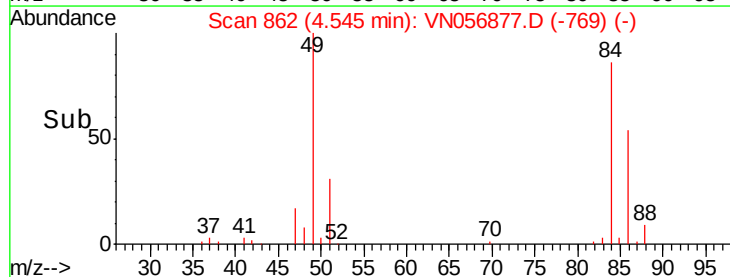
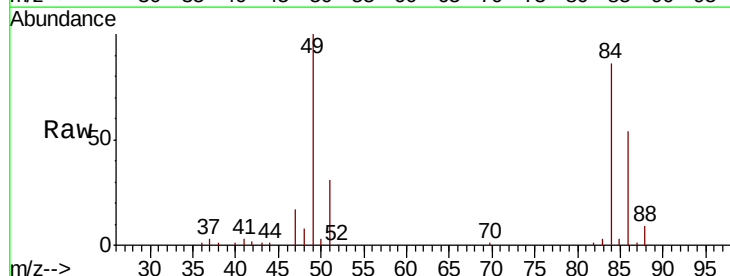
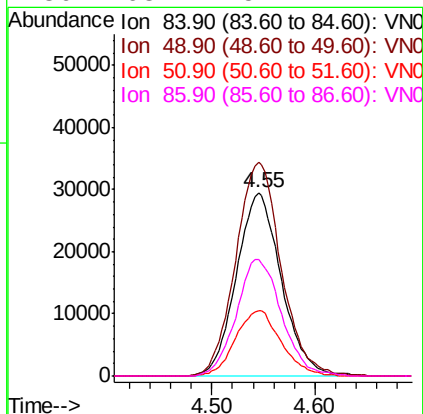
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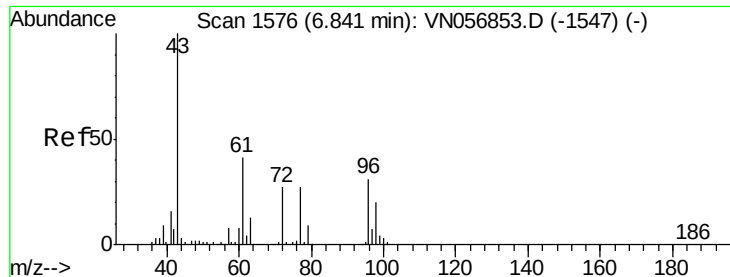
Tot Ion: 43 Resp: 8296
Ion Ratio Lower Upper
43 100
74 17.9 19.0 28.4#



#20
Methylene Chloride
Concen: 31.112 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion: 84 Resp: 88833
Ion Ratio Lower Upper
84 100
49 116.4 94.9 142.3
51 35.8 29.9 44.9
86 63.2 51.4 77.2

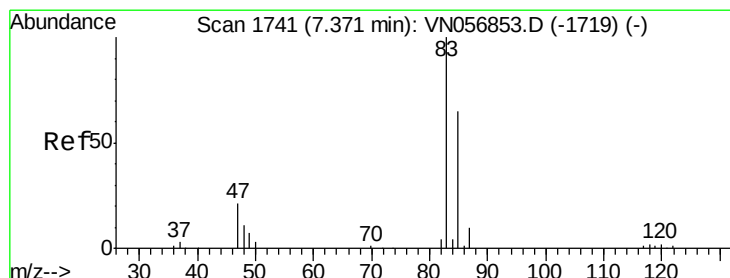
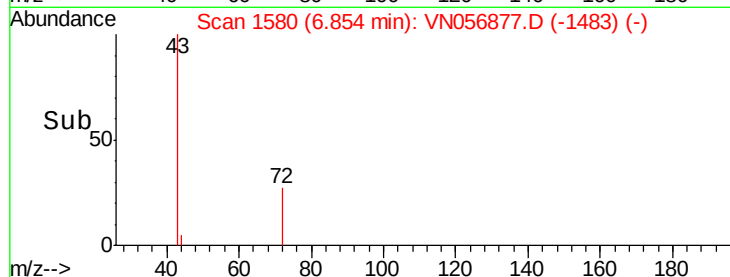
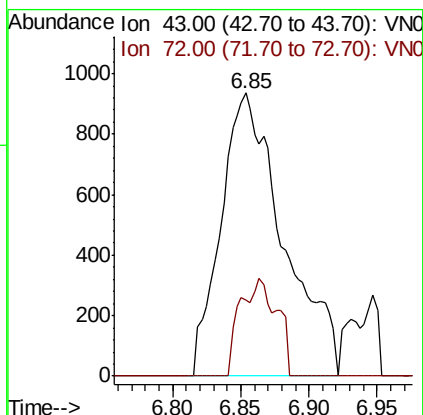
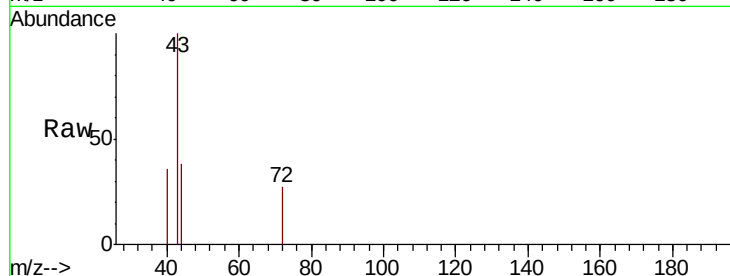




#25
2-Butanone
Concen: 2.127 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

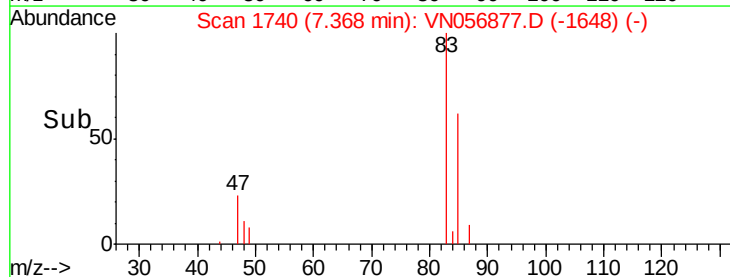
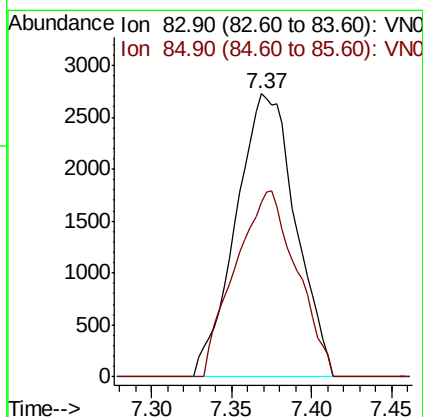
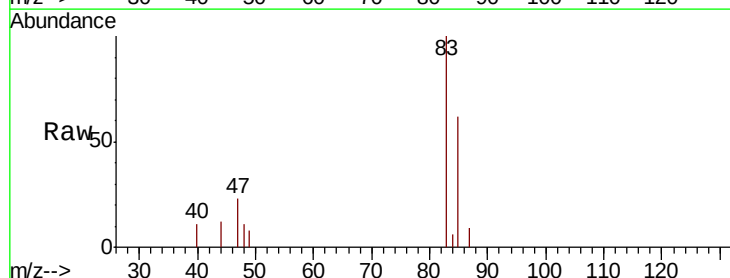
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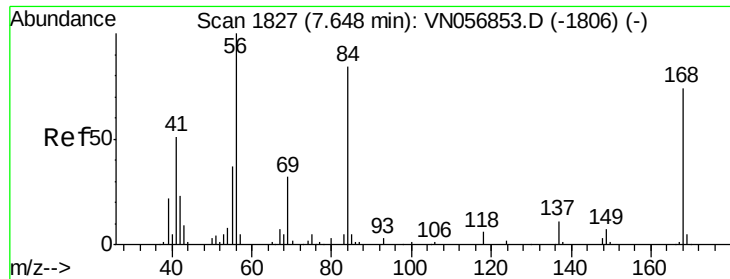
Tot Ion: 43 Resp: 2986
Ion Ratio Lower Upper
43 100
72 26.9 21.5 32.3



#30
Chloroform
Concen: 1.501 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion: 83 Resp: 6990
Ion Ratio Lower Upper
83 100
85 61.5 52.3 78.5

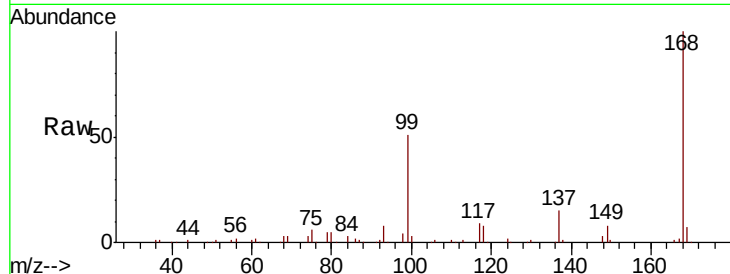




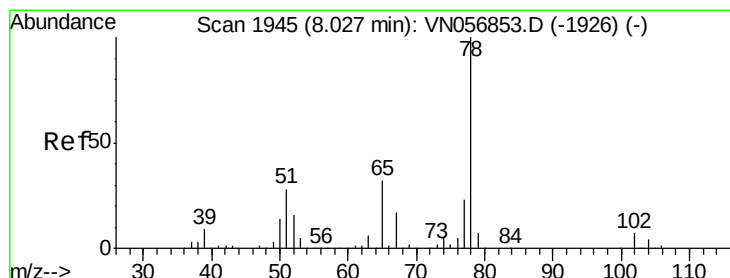
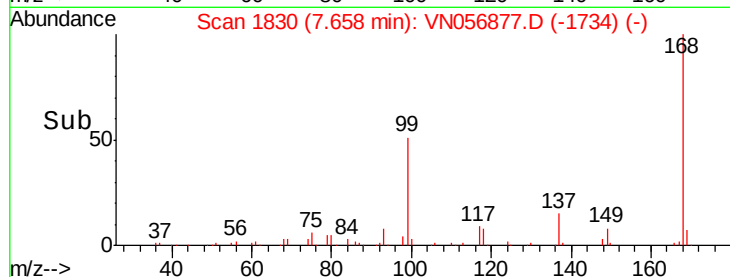
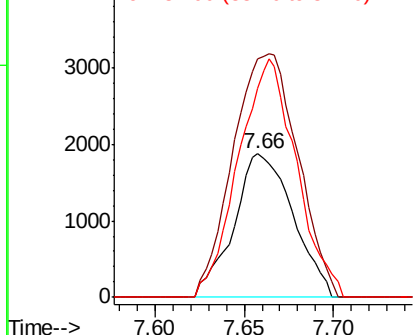
#31
Cyclohexane
Concen: 0.965 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
ROLL-OFF-COMP

Tot Ion: 56 Resp: 4348
Ion Ratio Lower Upper
56 100
69 166.0 25.5 38.3#
84 145.4 67.3 100.9#

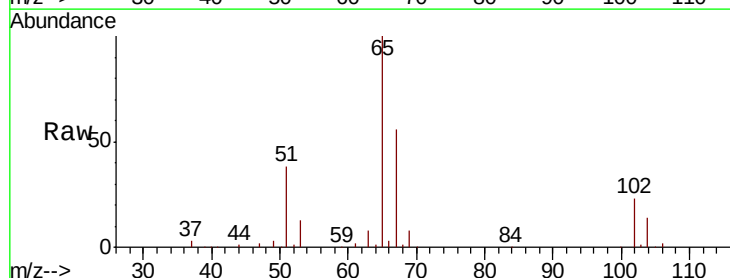


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

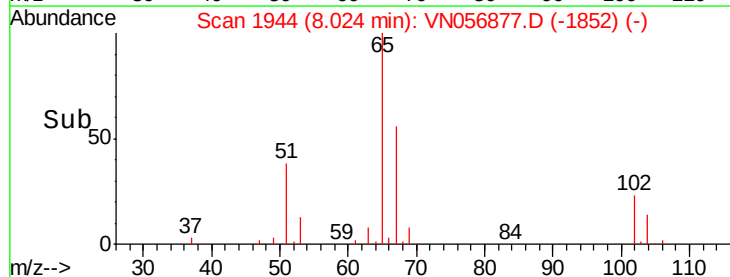
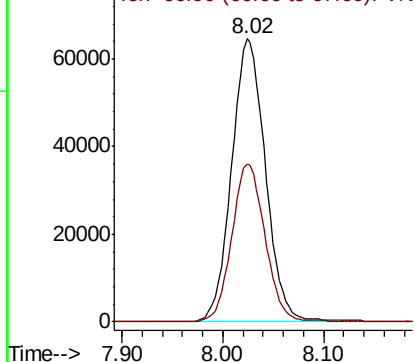


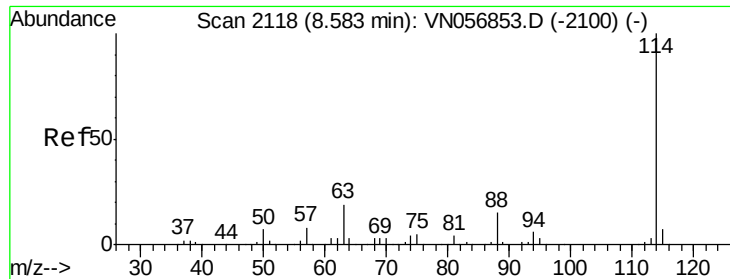
#33
1,2-Dichloroethane-d4
Concen: 56.644 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion: 65 Resp: 150201
Ion Ratio Lower Upper
65 100
67 55.0 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

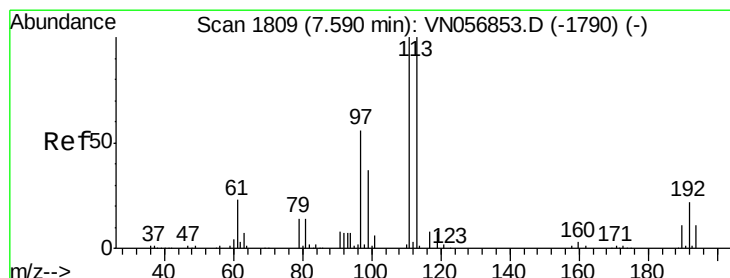
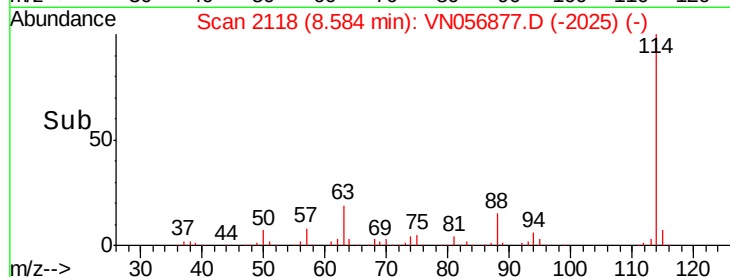
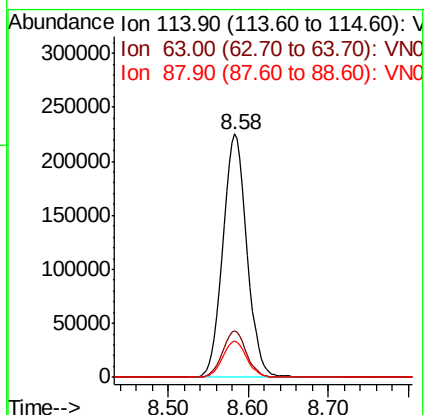
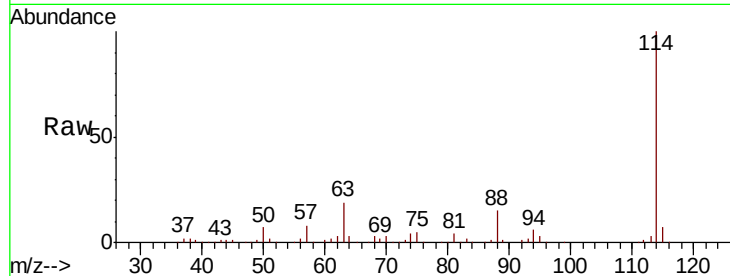




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

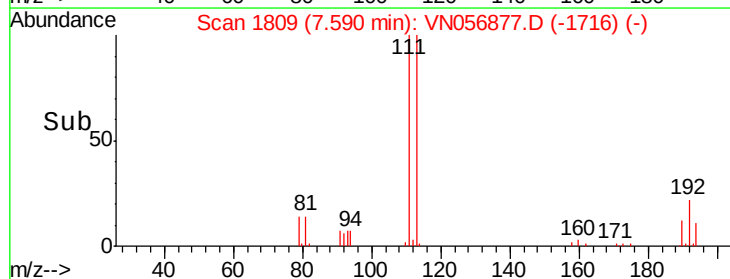
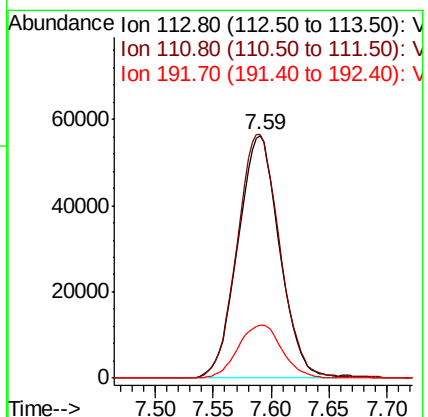
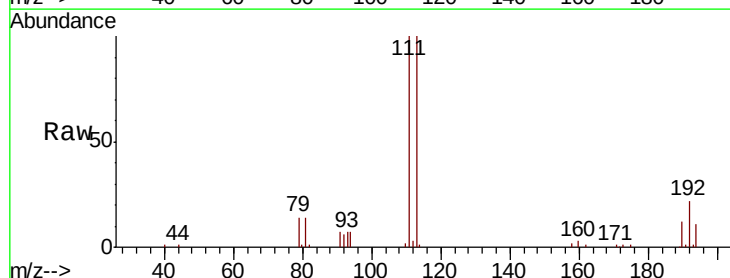
Instrument :
MSVOA_N
ClientSampleId :
ROLL-OFF-COMP

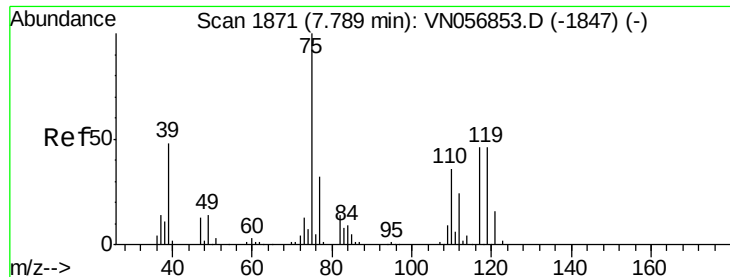
Tot Ion:114 Resp: 467095
Ion Ratio Lower Upper
114 100
63 19.1 0.0 37.8
88 15.0 0.0 31.0



#35
Dibromofluoromethane
Concen: 47.401 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion:113 Resp: 140335
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 23.1 18.5 27.7





#36

1,1-Dichloropropene

Concen: 3.850 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

ROLL-OFF-COMP

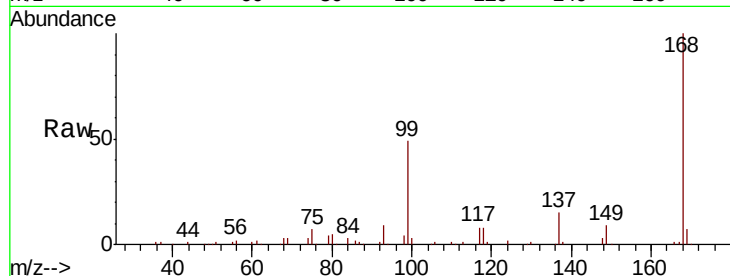
Tot Ion: 75 Resp: 16585

Ion Ratio Lower Upper

75 100

110 8.0 17.9 53.7#

77 0.0 25.0 37.6#

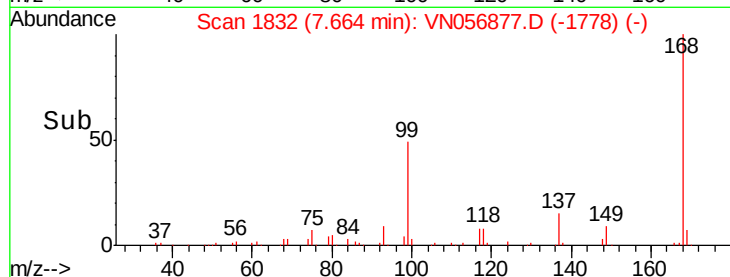


Abundance Ion 74.90 (74.60 to 75.60): VN056877.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN056877.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN056877.D (-1778) (-)

Time-->



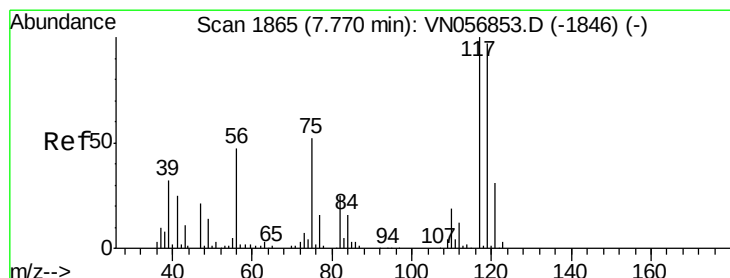
Abundance

Ion 74.90 (74.60 to 75.60): VN056877.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN056877.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN056877.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.152 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

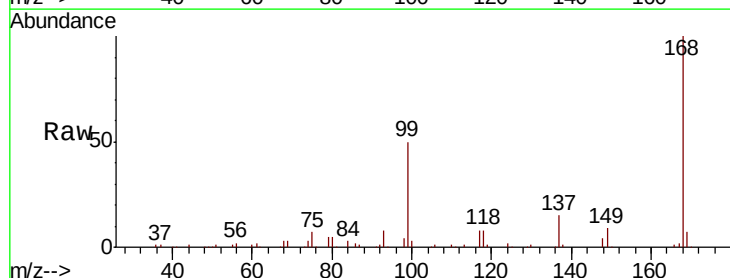
Tgt Ion: 117 Resp: 21128

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

121 0.0 24.5 36.7#

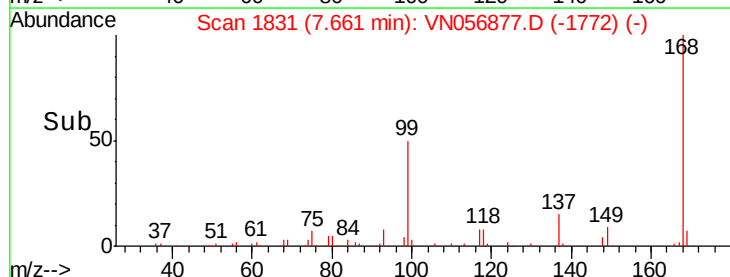


Abundance Ion 116.80 (116.50 to 117.50): VN056877.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN056877.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN056877.D (-1772) (-)

Time-->



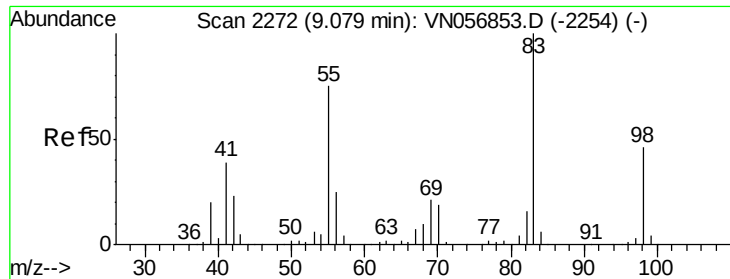
Abundance

Ion 116.80 (116.50 to 117.50): VN056877.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN056877.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN056877.D (-1772) (-)

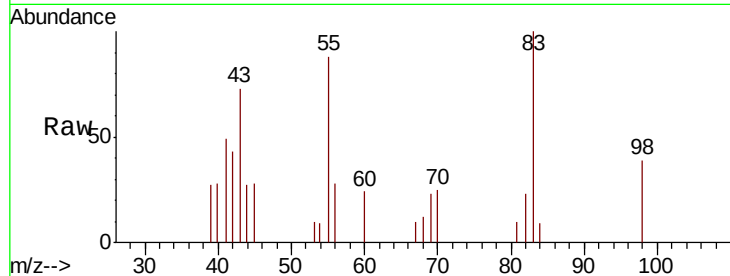
Time-->



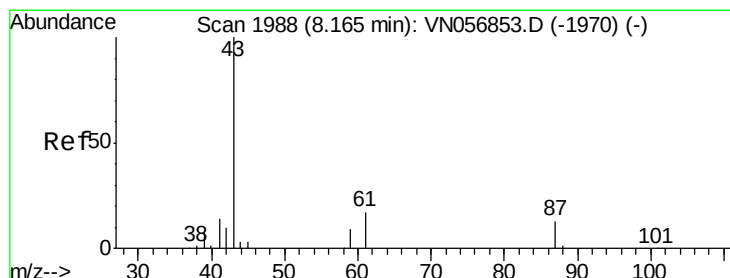
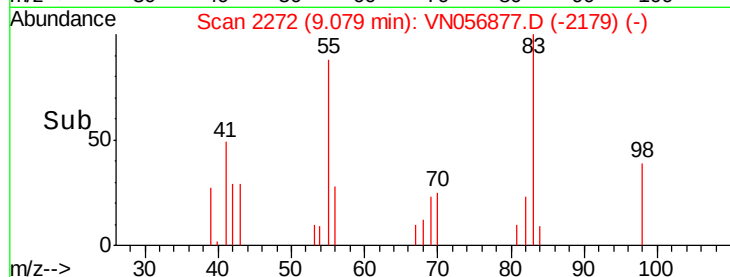
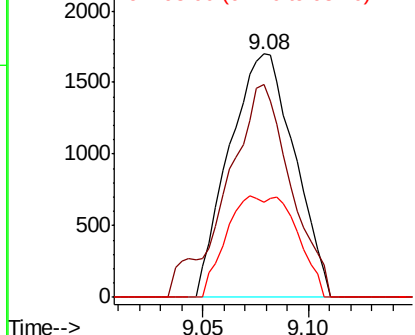
#39
Methylvlcyclohexane
Concen: 0.677 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
ROLL-OFF-COMP

Tot Ion: 83 Resp: 3647
Ion Ratio Lower Upper
83 100
55 87.6 59.8 89.8
98 38.9 37.1 55.7

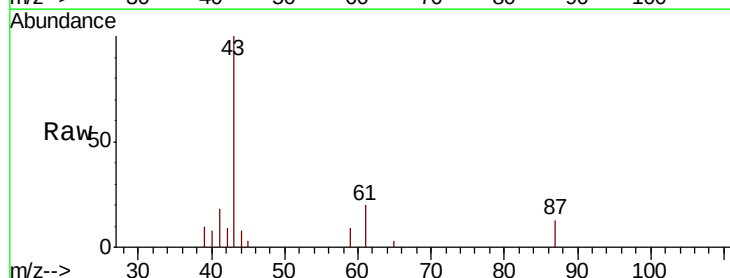


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

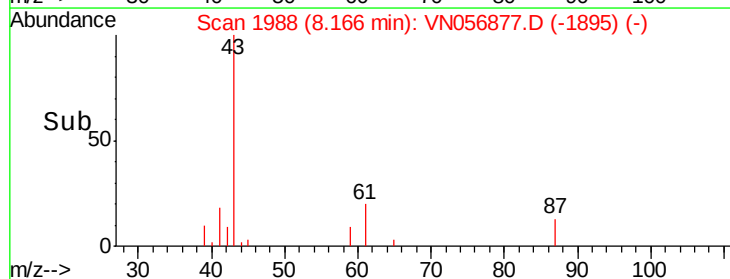
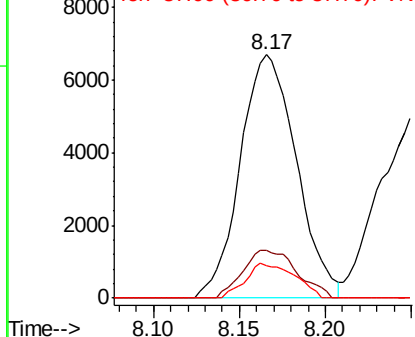


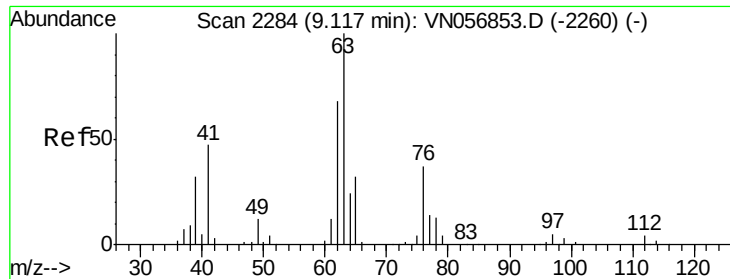
#43
Isopropyl Acetate
Concen: 2.544 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion: 43 Resp: 15193
Ion Ratio Lower Upper
43 100
61 19.0 17.8 26.6
87 12.5 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

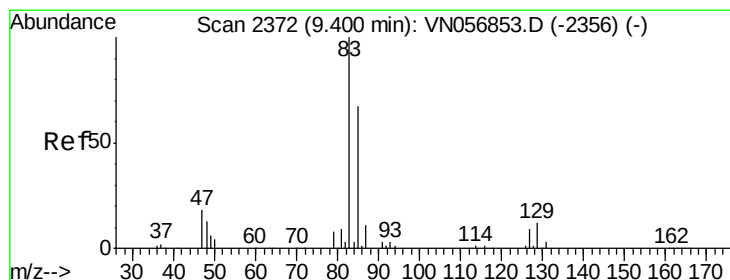
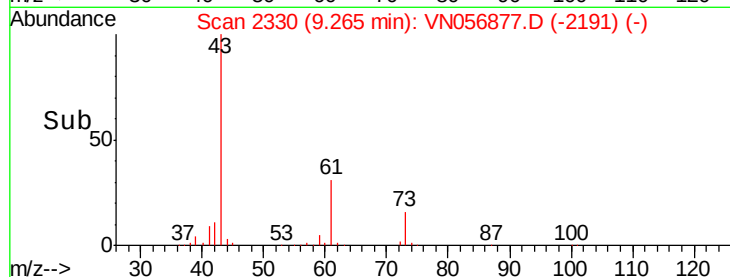
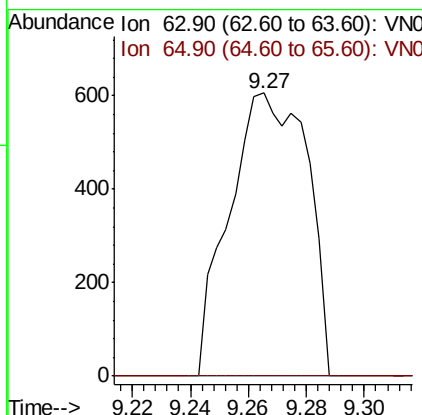
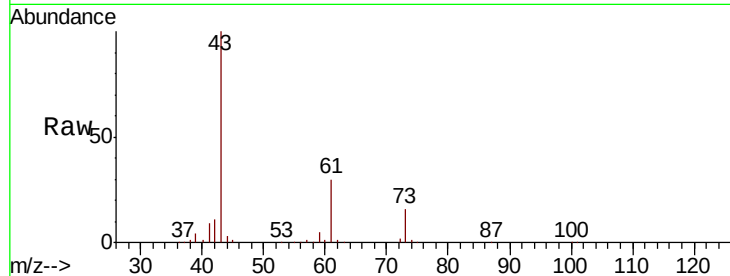




#45
 1,2-Dichloropropane
 Concen: 0.314 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

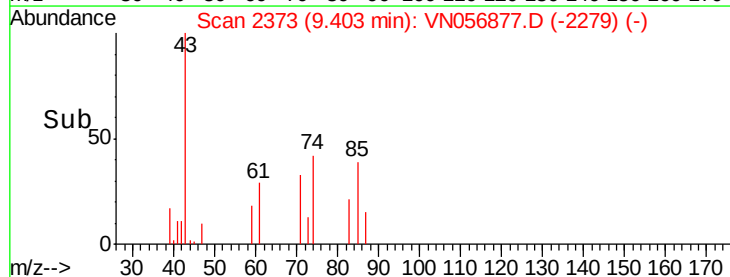
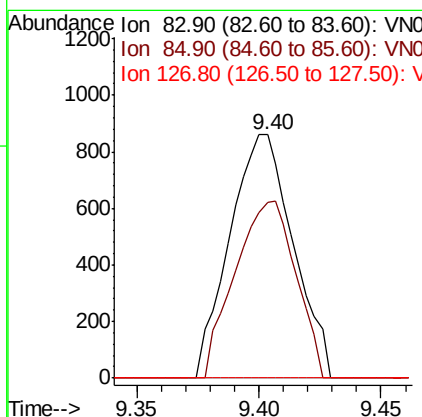
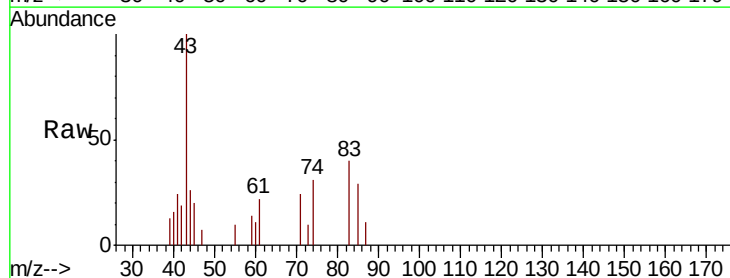
Instrument :
 MSVOA_N
 ClientSampleId :
 ROLL-OFF-COMP

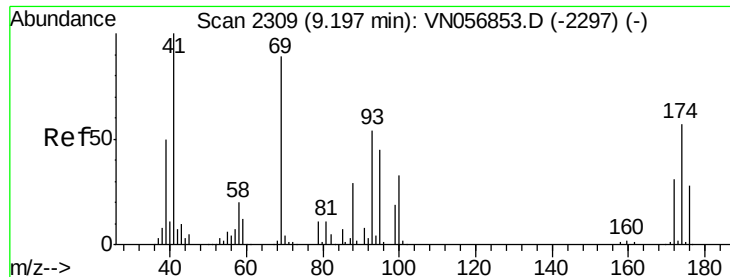
Tot Ion: 63 Resp: 1131
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#47
 Bromodichloromethane
 Concen: 0.370 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

Tgt Ion: 83 Resp: 1550
 Ion Ratio Lower Upper
 83 100
 85 72.1 53.4 80.2
 127 0.0 7.2 10.8#

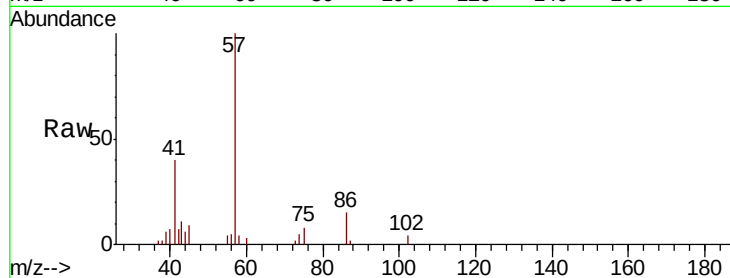




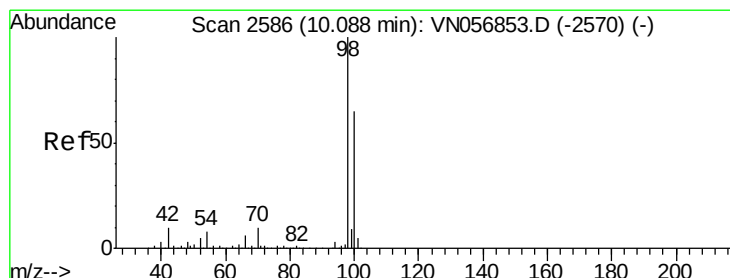
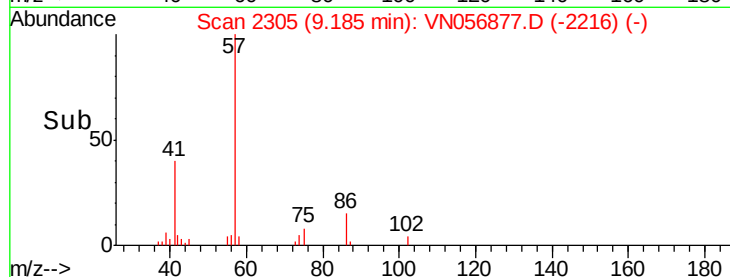
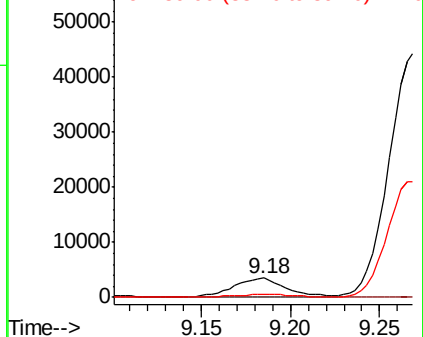
#48
Methvl methacrylate
Concen: 2.453 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
ROLL-OFF-COMP

Tot Ion: 41 Resp: 7329
Ion Ratio Lower Upper
41 100
69 0.0 71.1 106.7#
39 0.0 40.6 60.8#

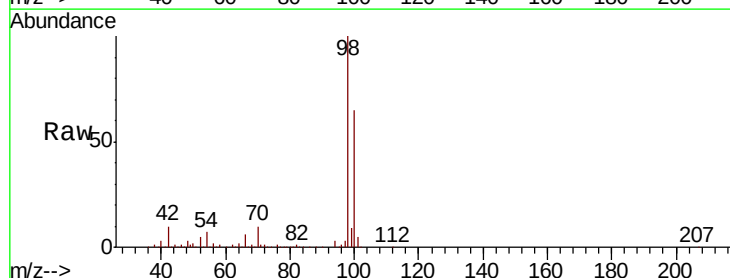


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

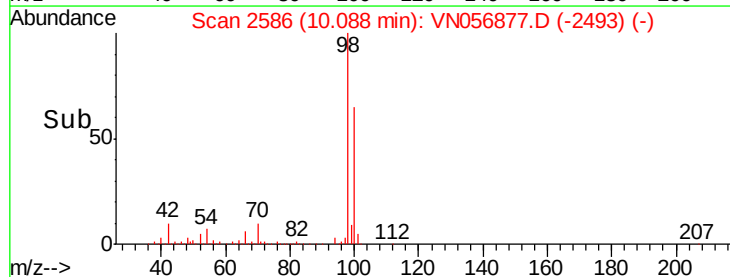
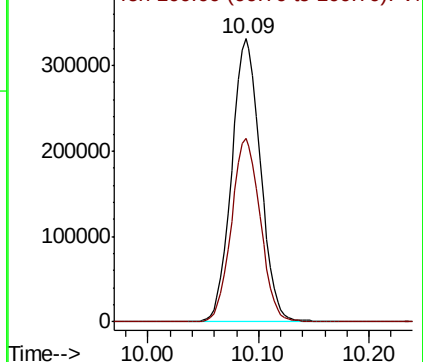


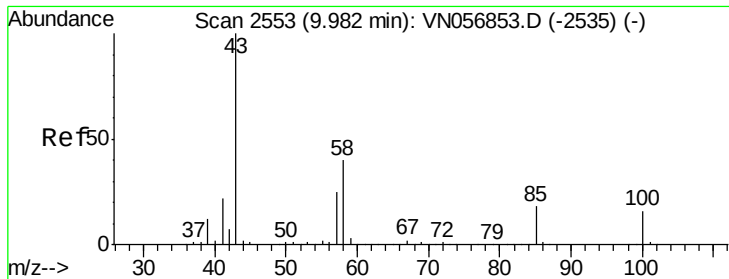
#50
Toluene-d8
Concen: 52.929 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion: 98 Resp: 599503
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.052 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

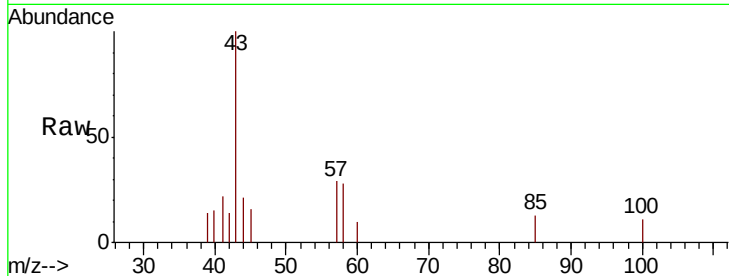
ROLL-OFF-COMP

Tot Ion: 43 Resp: 3746

Ion Ratio Lower Upper

43 100

58 32.1 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

5000

4000

3000

2000

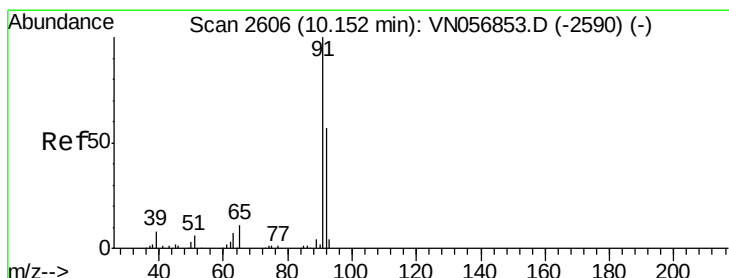
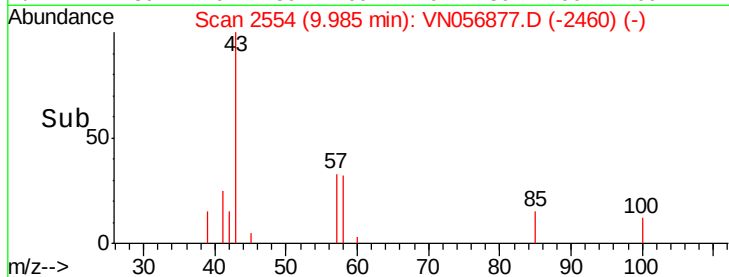
1000

0

9.95

10.00

Time-->



#52

Toluene

Concen: 0.249 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056877.D

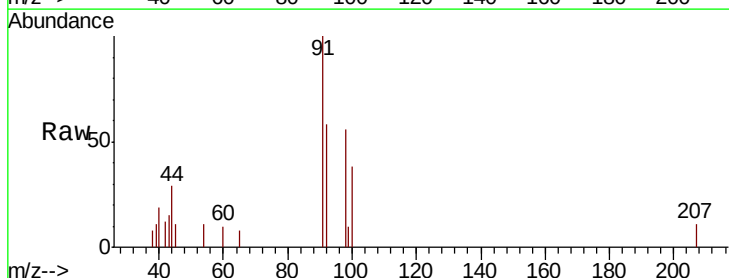
Acq: 23 Jul 2019 14:36

Tgt Ion: 92 Resp: 2004

Ion Ratio Lower Upper

92 100

91 171.5 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

2000

1500

1000

500

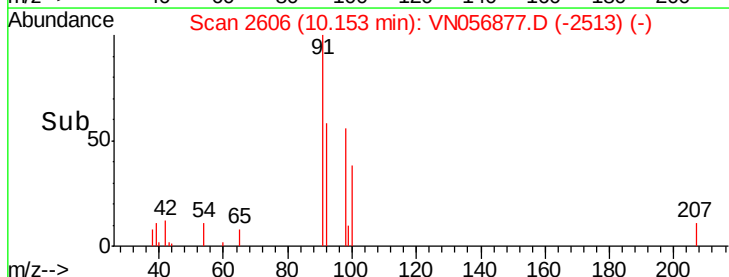
0

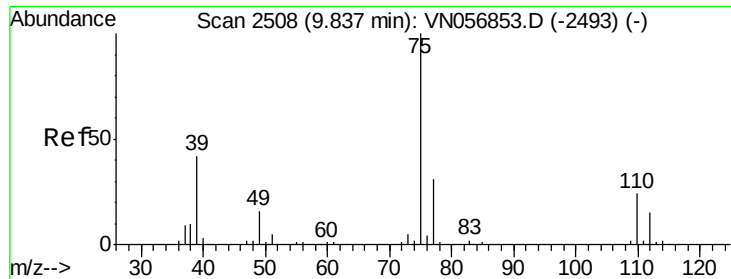
10.10

10.15

10.20

Time-->



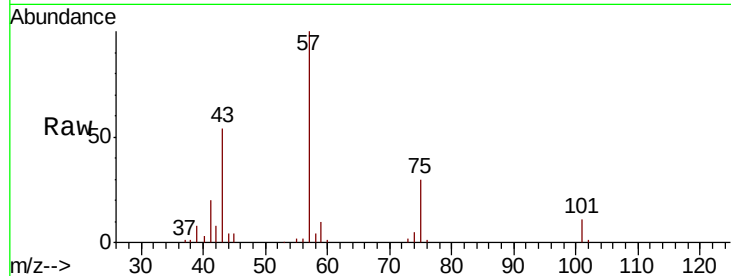


#54

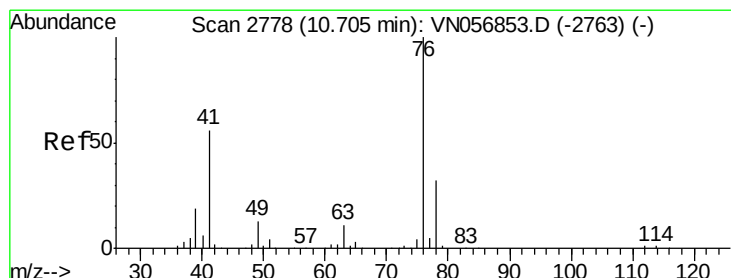
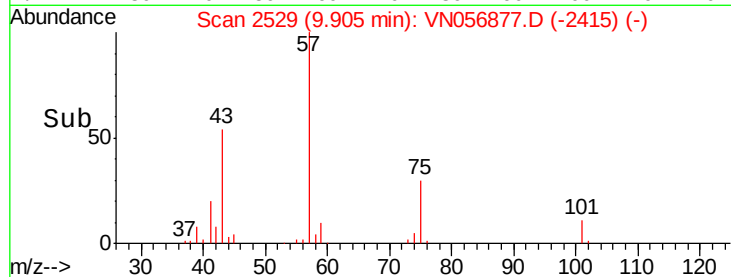
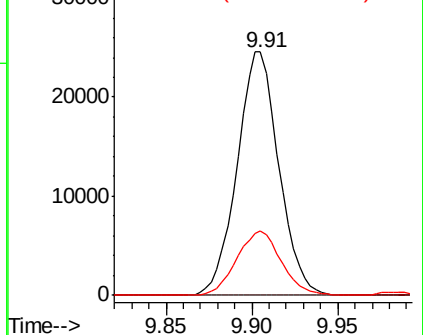
cis-1,3-Dichloropropene
 Concen: 8.156 ug/l
 RT: 9.91 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ROLL-OFF-COMP

Tot Ion: 75 Resp: 41288
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 26.5 33.4 50.2#



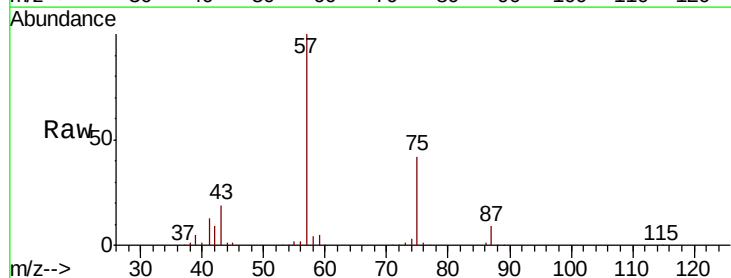
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



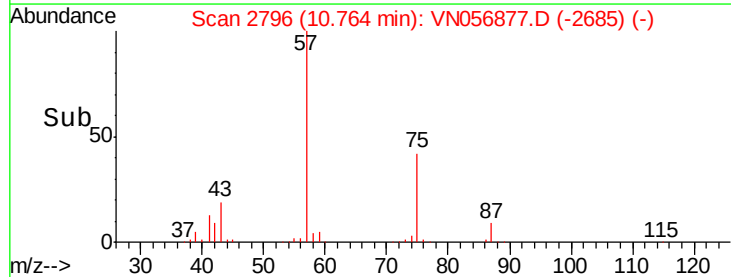
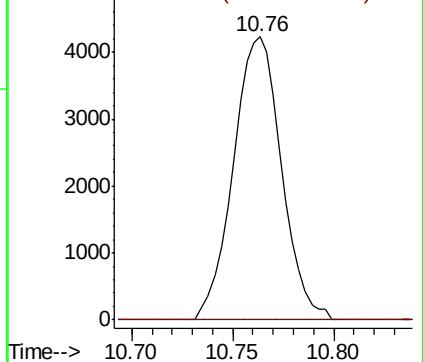
#57

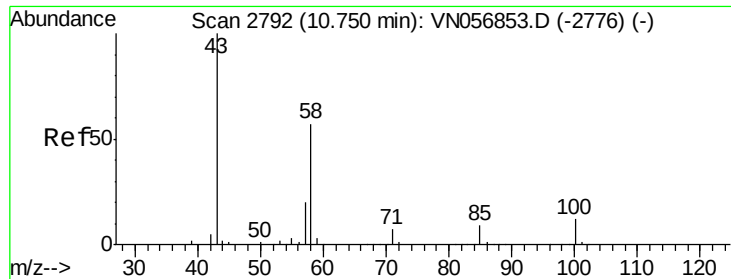
1,3-Dichloropropane
 Concen: 1.335 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

Tgt Ion: 76 Resp: 7063
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

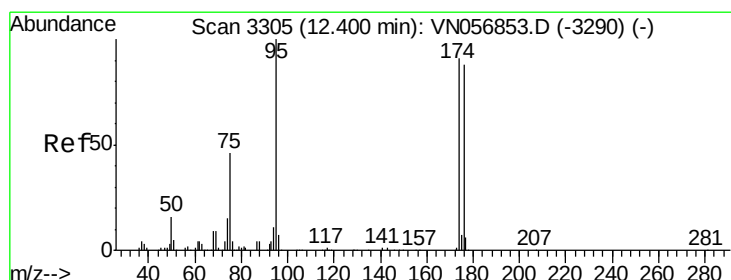
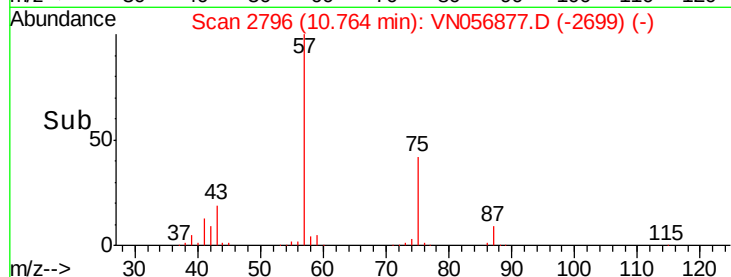
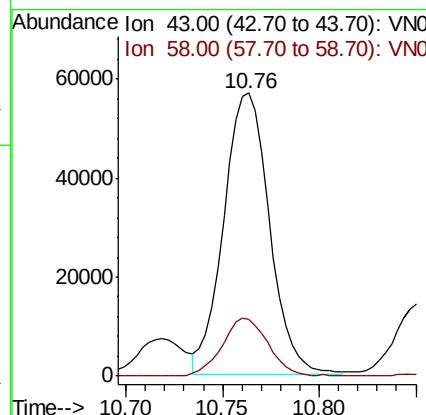
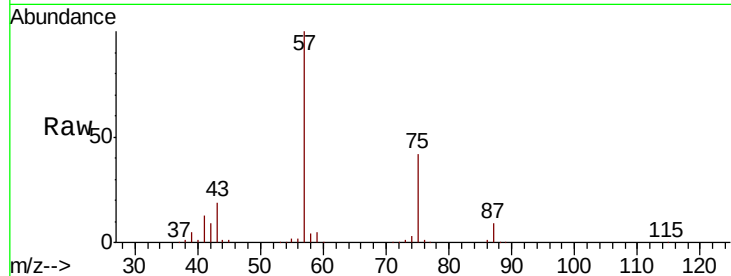




#59
2-Hexanone
Concen: 37.964 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

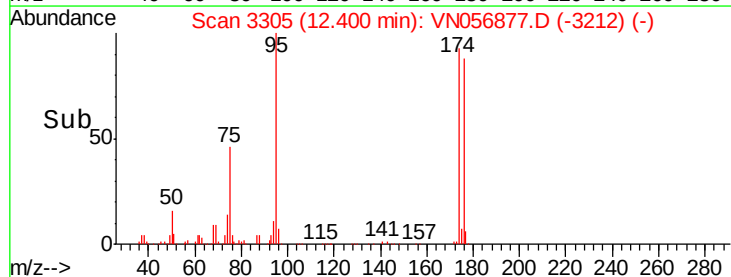
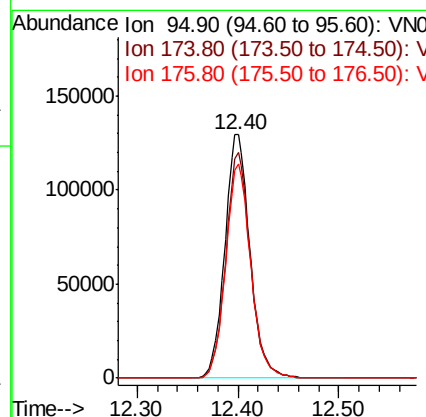
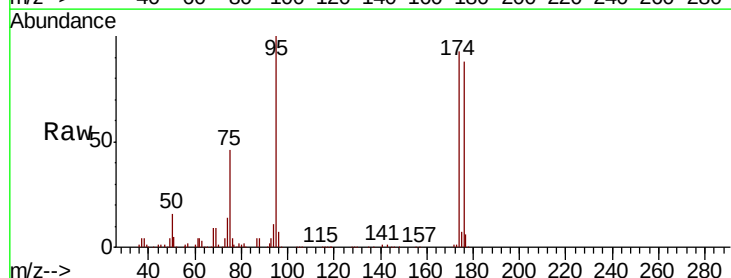
Instrument :
MSVOA_N
ClientSampleId :
ROLL-OFF-COMP

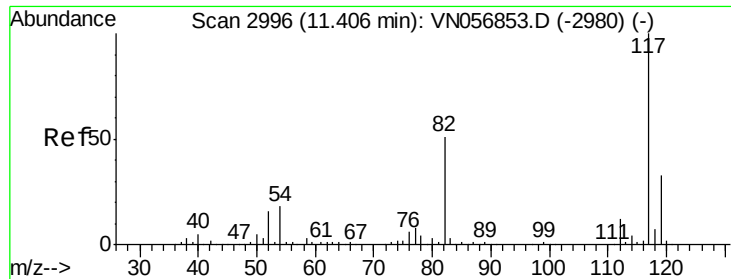
Tot Ion: 43 Resp: 93578
Ion Ratio Lower Upper
43 100
58 20.6 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 60.774 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion: 95 Resp: 225273
Ion Ratio Lower Upper
95 100
174 91.3 0.0 183.4
176 87.7 0.0 175.8

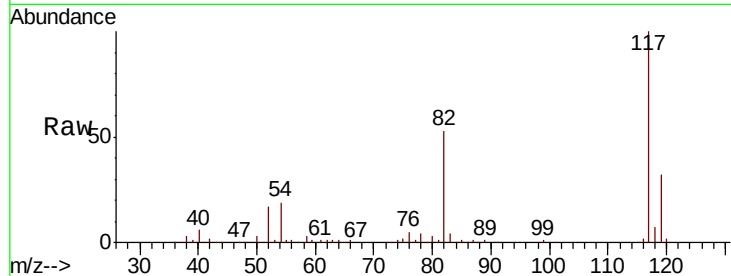




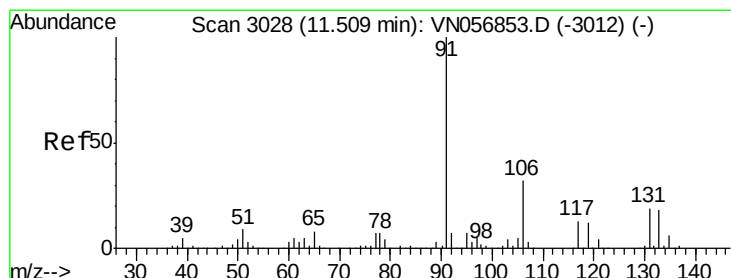
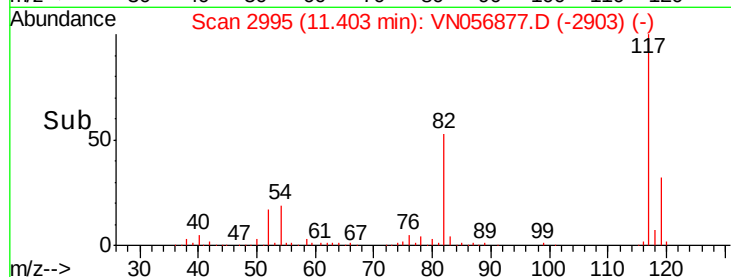
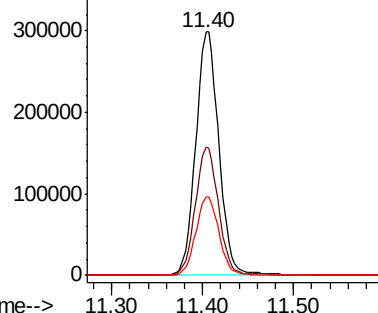
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
ROLL-OFF-COMP

Tot Ion:117 Resp: 527670
Ion Ratio Lower Upper
117 100
82 52.9 41.2 61.8
119 32.2 26.4 39.6

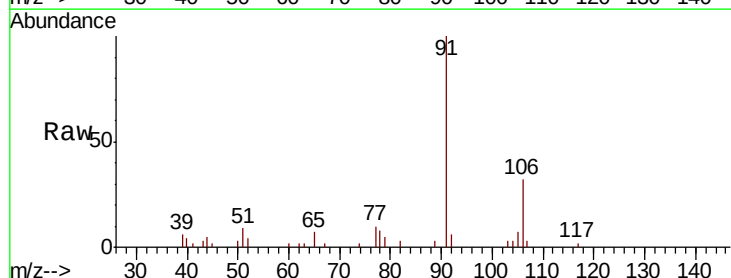


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

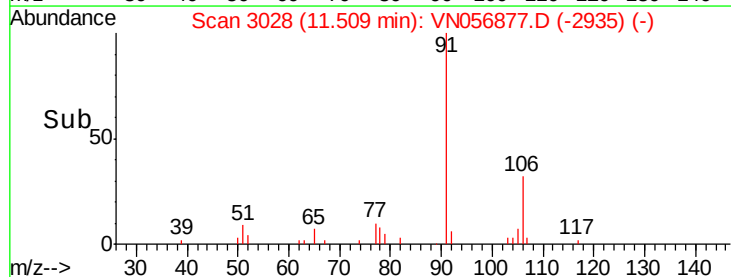
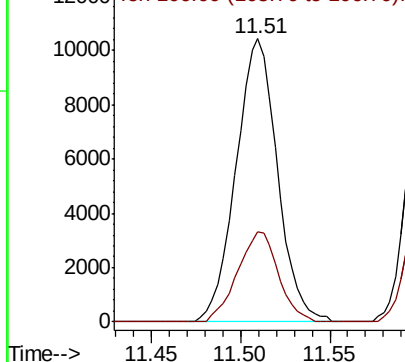


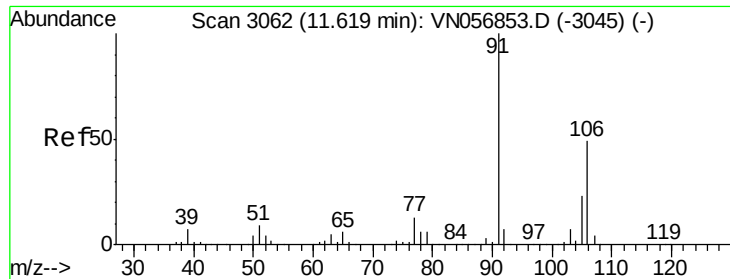
#67
Ethyl Benzene
Concen: 0.891 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion: 91 Resp: 16861
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

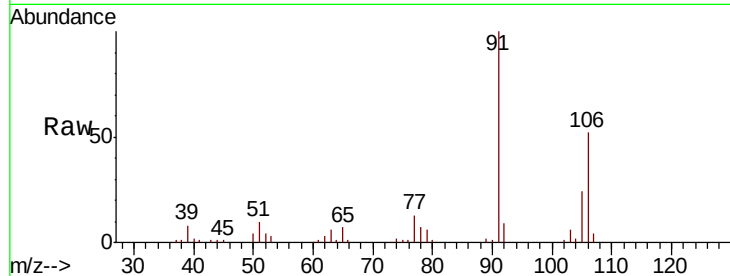




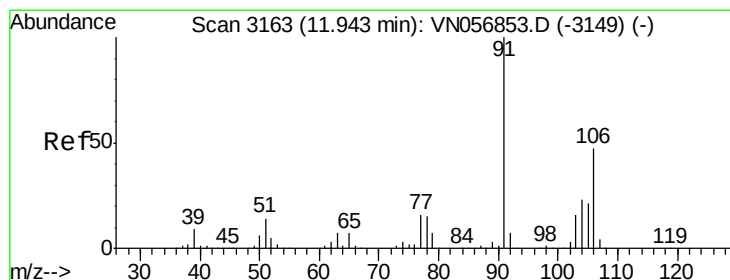
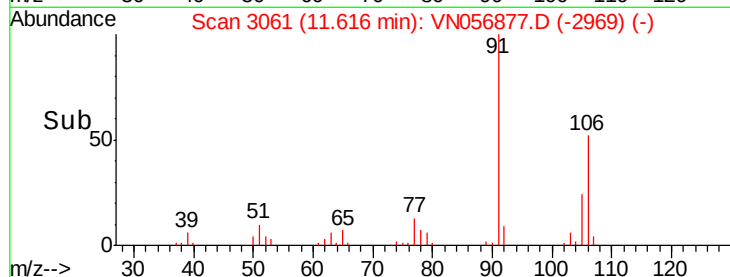
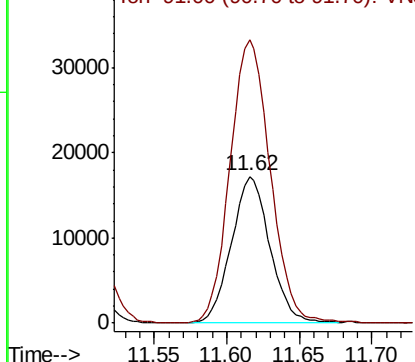
#68
m/p-Xylenes
Concen: 4.475 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
ROLL-OFF-COMP

Tot Ion:106 Resp: 31715
Ion Ratio Lower Upper
106 100
91 202.1 160.5 240.7

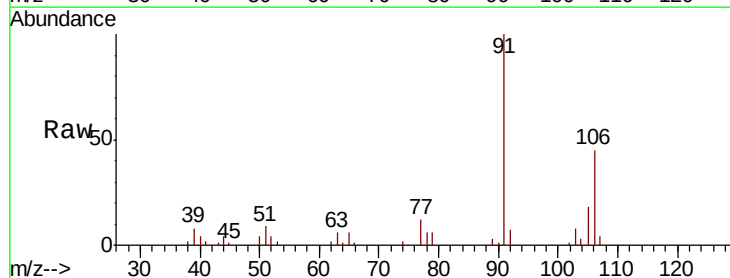


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

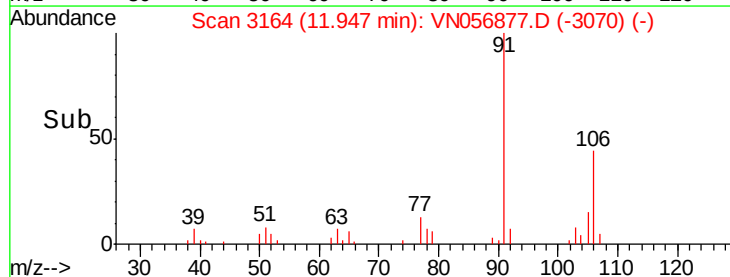
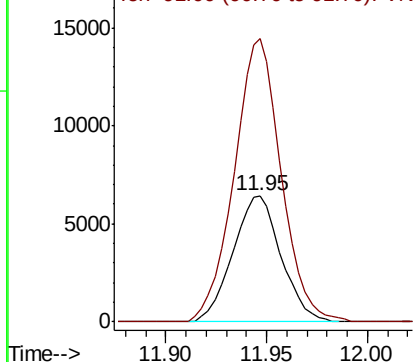


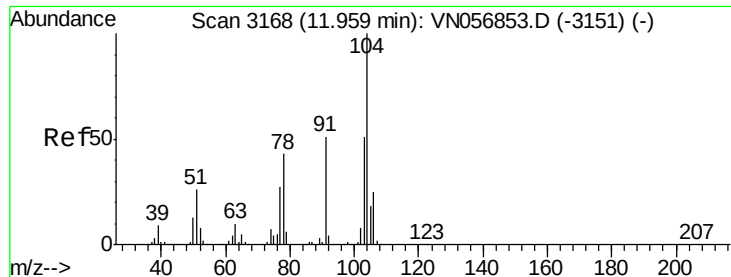
#69
o-Xylene
Concen: 1.547 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion:106 Resp: 10703
Ion Ratio Lower Upper
106 100
91 219.7 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

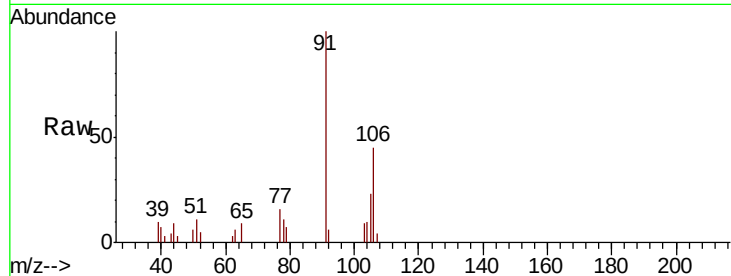




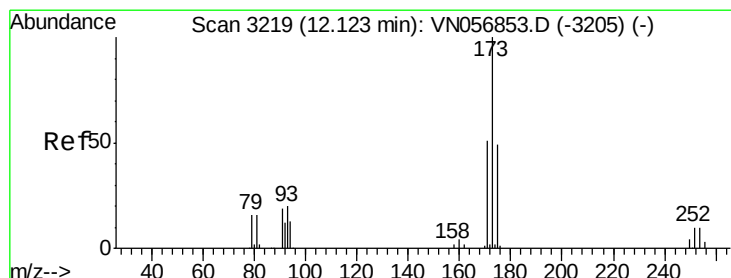
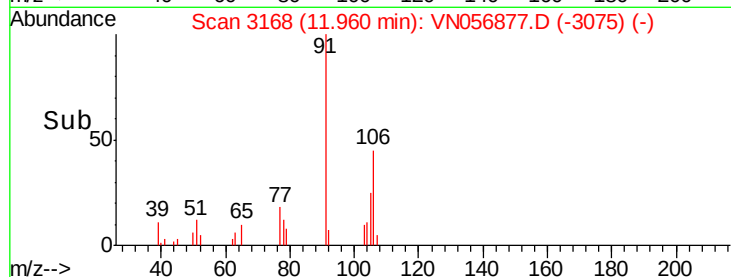
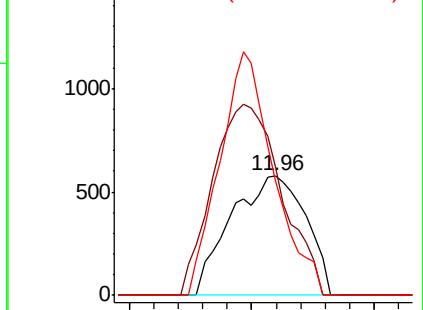
#70
Stvrene
Concen: 0.619 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
ROLL-OFF-COMP

Tot Ion:104 Resp: 1227
Ion Ratio Lower Upper
104 100
78 147.4 38.1 57.1#
103 146.5 44.2 66.4#

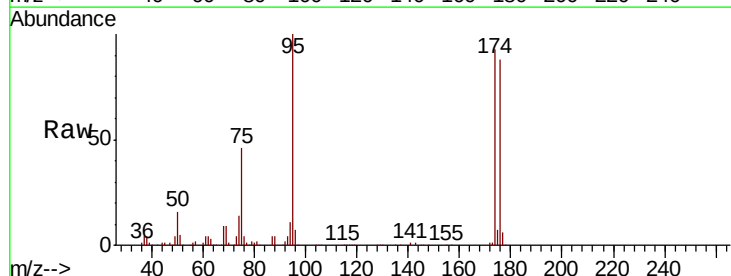


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

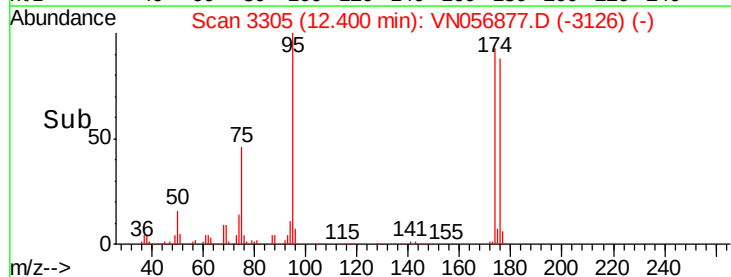
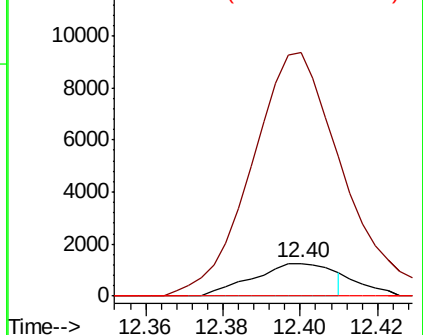


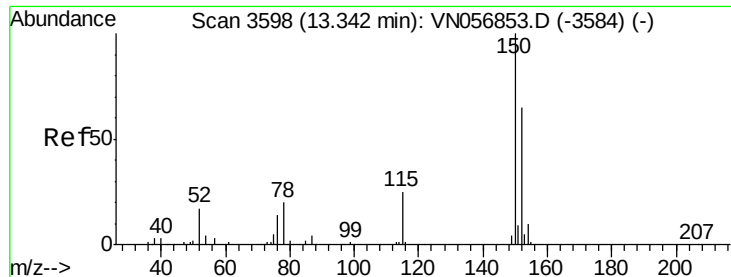
#71
Bromoform
Concen: 0.633 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN056877.D
Acq: 23 Jul 2019 14:36

Tgt Ion:173 Resp: 1813
Ion Ratio Lower Upper
173 100
175 712.6 24.1 72.3#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

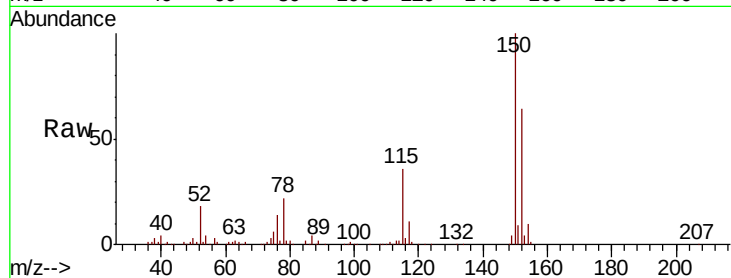




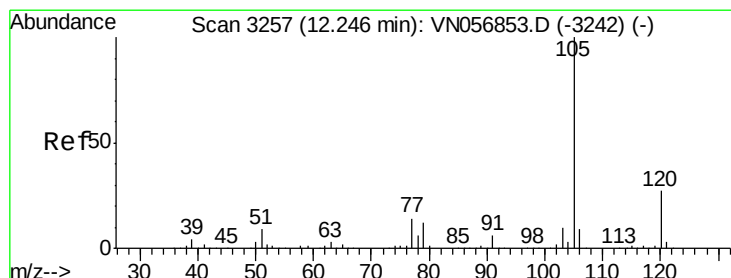
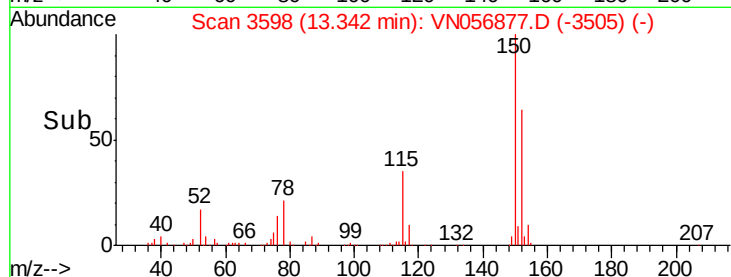
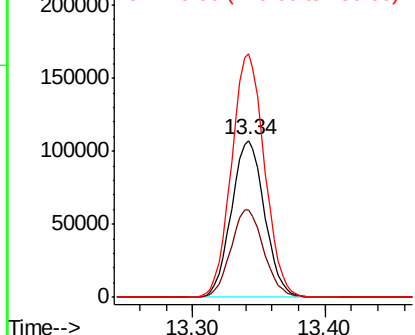
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ROLL-OFF-COMP

Tot Ion:152 Resp: 185683
 Ion Ratio Lower Upper
 152 100
 115 56.1 27.6 82.7
 150 155.4 0.0 343.0

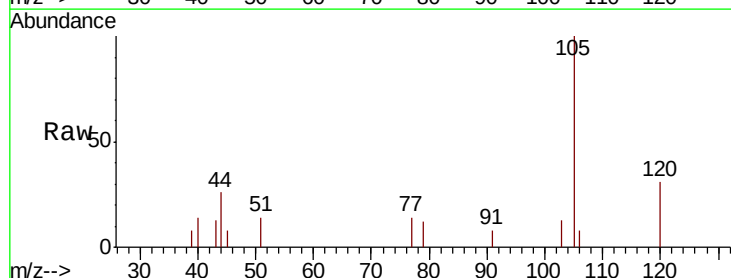


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

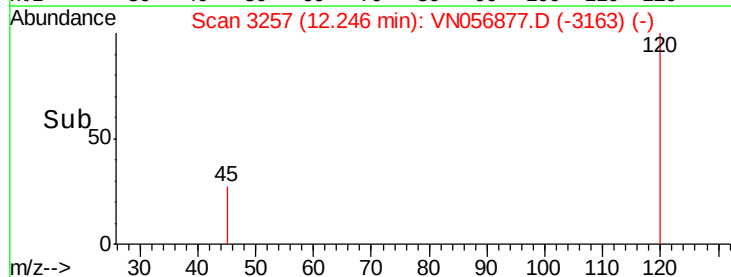
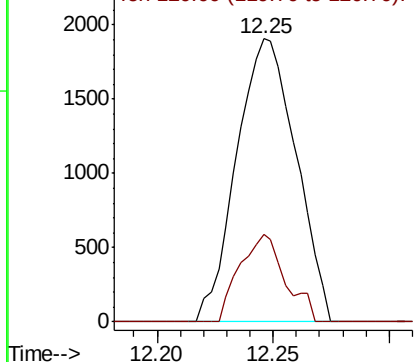


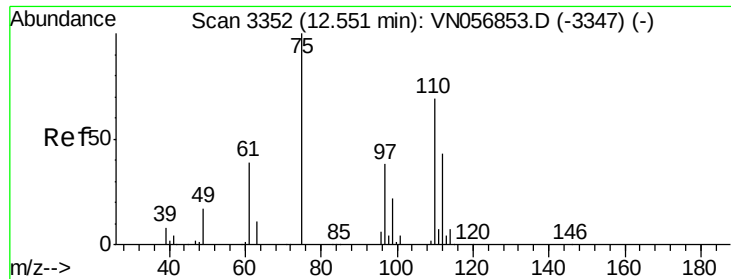
#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.25 min Scan# 3257
 Delta R.T. 0.00 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

Tgt Ion:105 Resp: 3398
 Ion Ratio Lower Upper
 105 100
 120 23.8 13.4 40.2



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

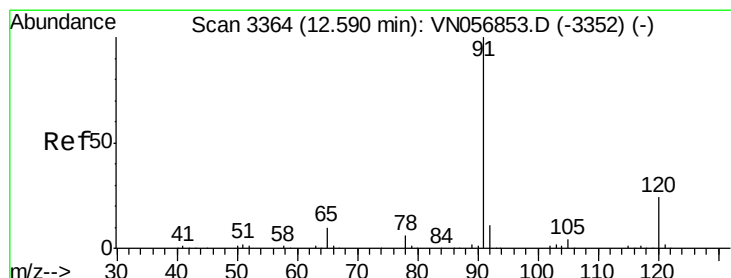
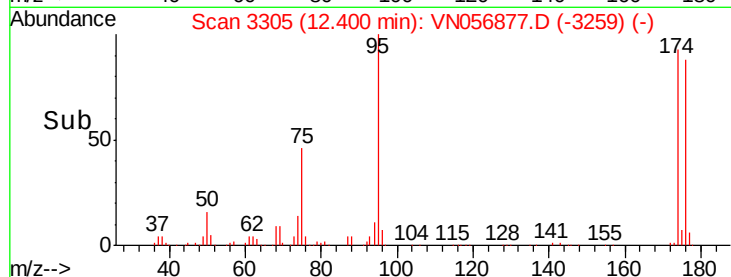
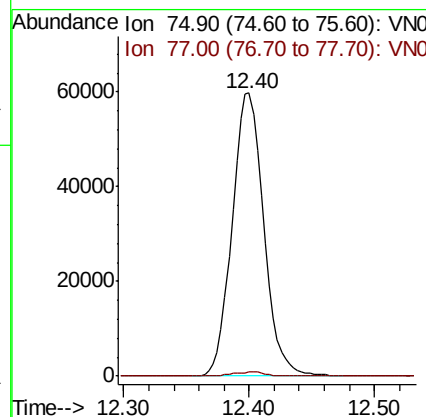
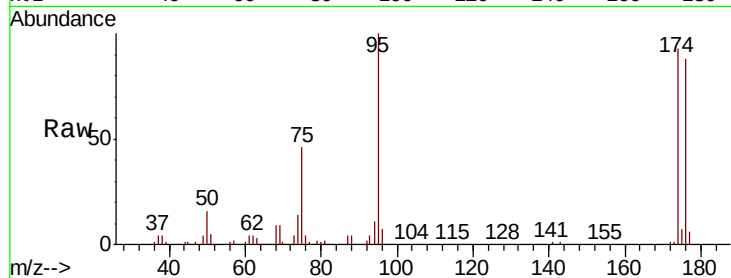




#76
 1,2,3-Trichloropropane
 Concen: 27.197 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

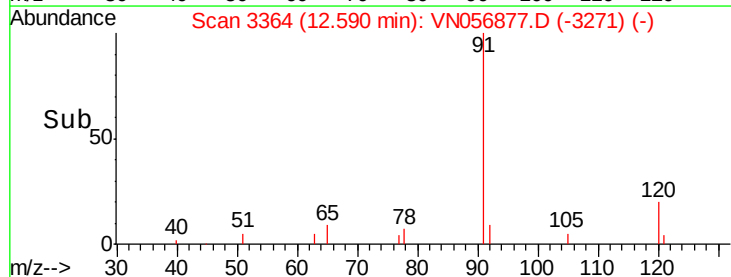
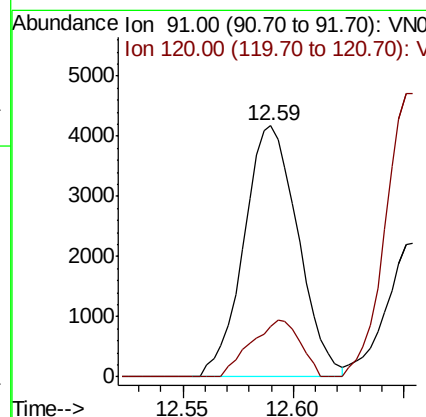
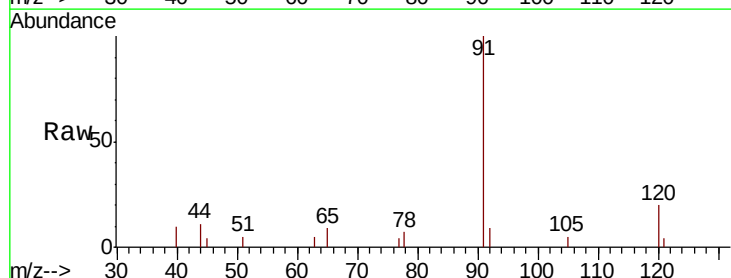
Instrument :
 MSVOA_N
 ClientSampleId :
 ROLL-OFF-COMP

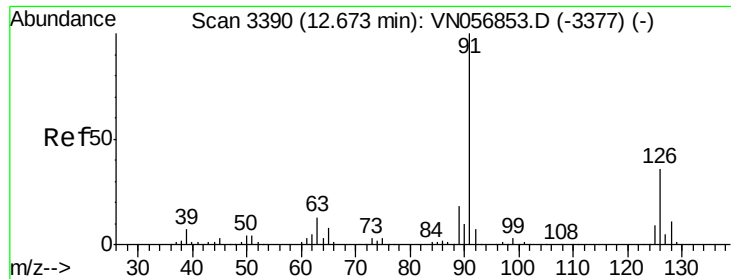
Tot Ion: 75 Resp: 104658
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.416 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

Tgt Ion: 91 Resp: 7102
 Ion Ratio Lower Upper
 91 100
 120 20.5 11.8 35.4





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

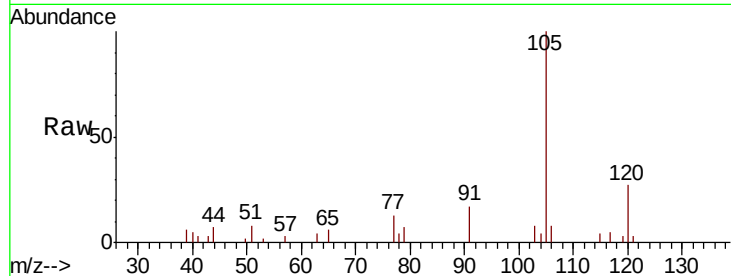
ROLL-OFF-COMP

Tot Ion: 91 Resp: 966

Ion Ratio Lower Upper

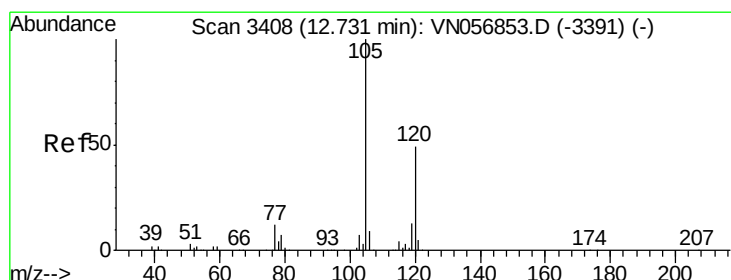
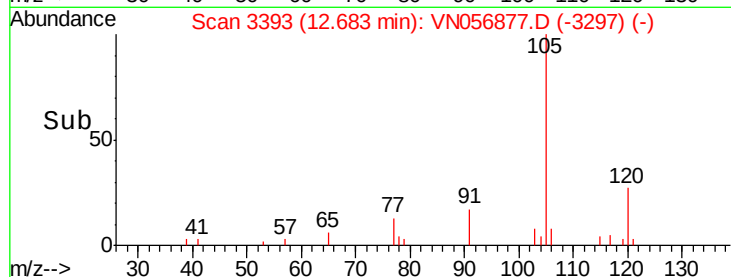
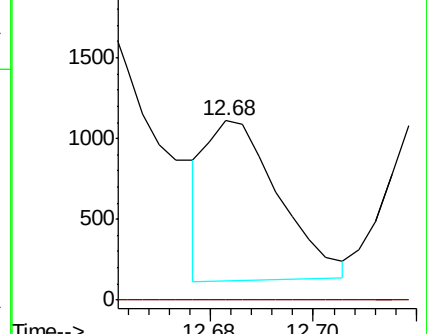
91 100

126 0.0 17.8 53.5#



Abundance Ion 91.00 (90.70 to 91.70): VN056877.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056877.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056877.D

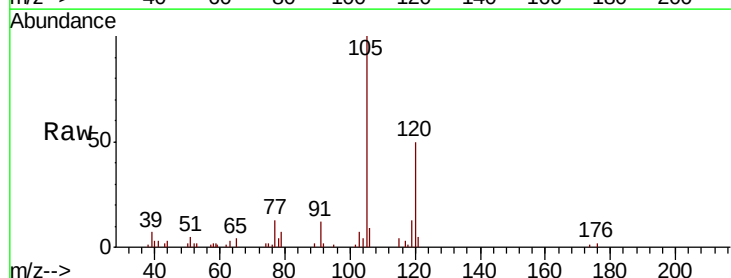
Acq: 23 Jul 2019 14:36

Tgt Ion: 105 Resp: 24522

Ion Ratio Lower Upper

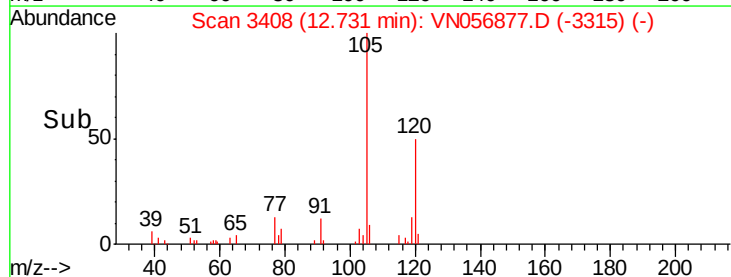
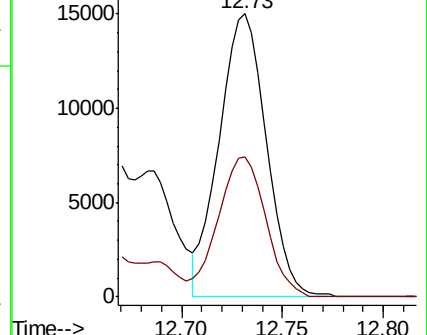
105 100

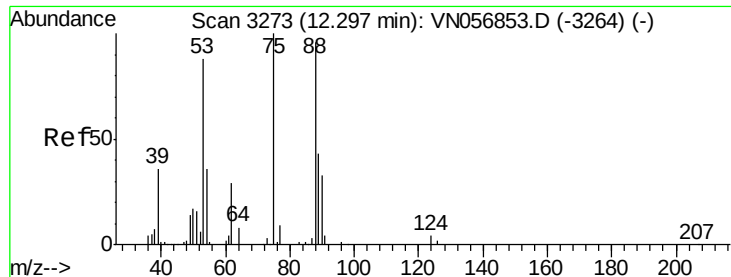
120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056877.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056877.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 87.107 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

ROLL-OFF-COMP

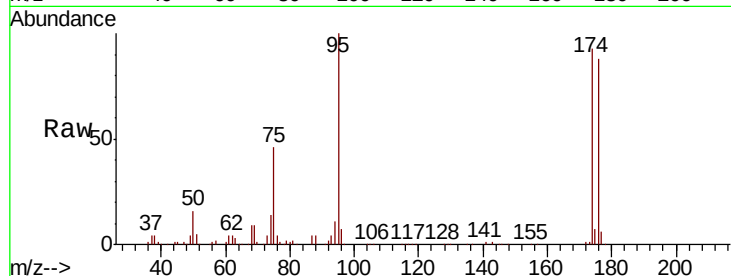
Tot Ion: 75 Resp: 104658

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

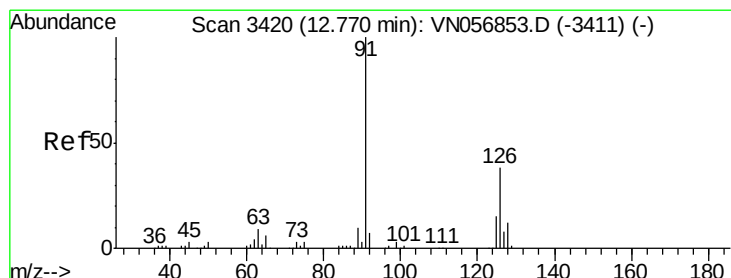
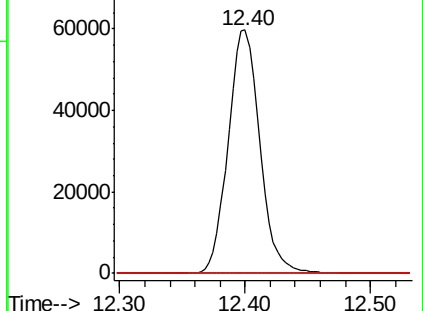
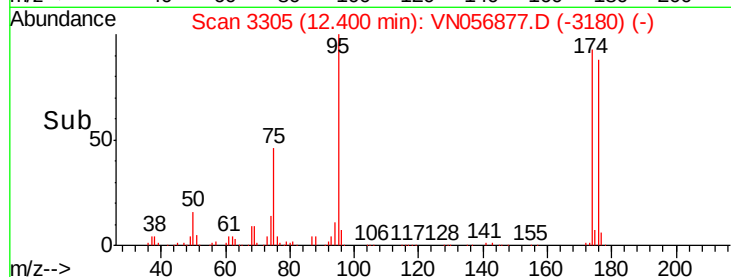
89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.244 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN056877.D

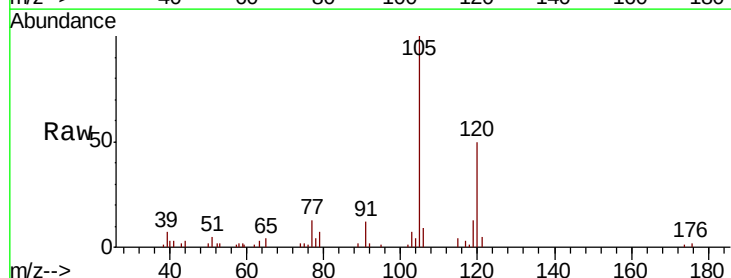
Acq: 23 Jul 2019 14:36

Tgt Ion: 91 Resp: 2476

Ion Ratio Lower Upper

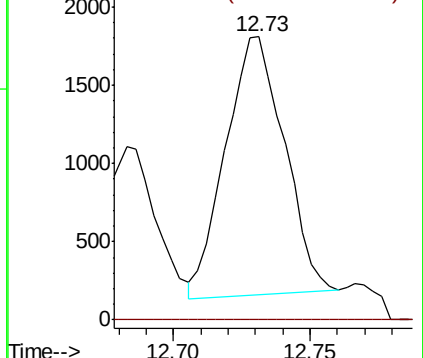
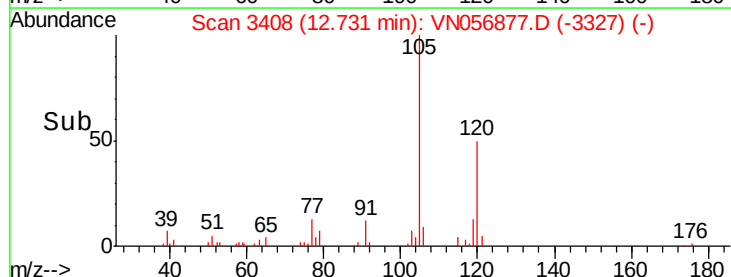
91 100

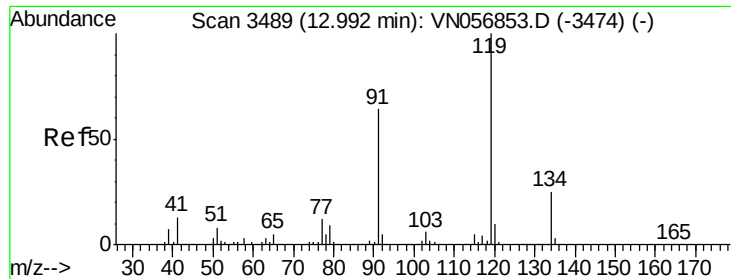
126 0.0 17.3 52.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

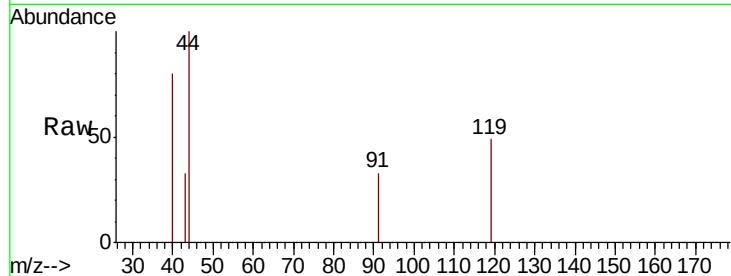




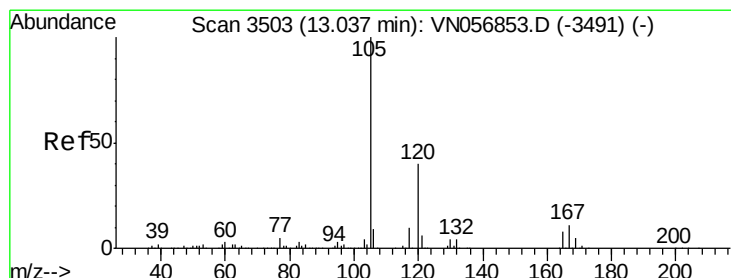
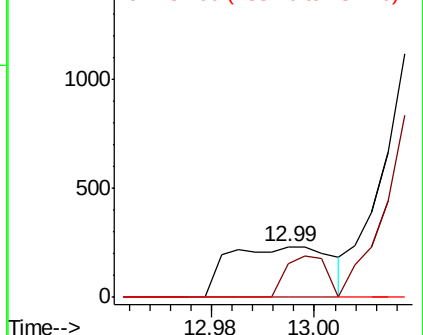
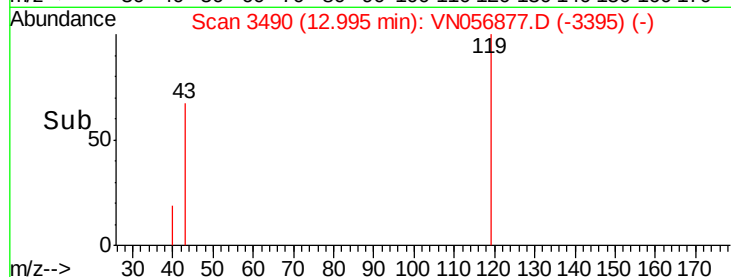
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ROLL-OFF-COMP

Tot Ion:119 Resp: 323
 Ion Ratio Lower Upper
 119 100
 91 0.0 31.5 94.5#
 134 0.0 12.2 36.6#

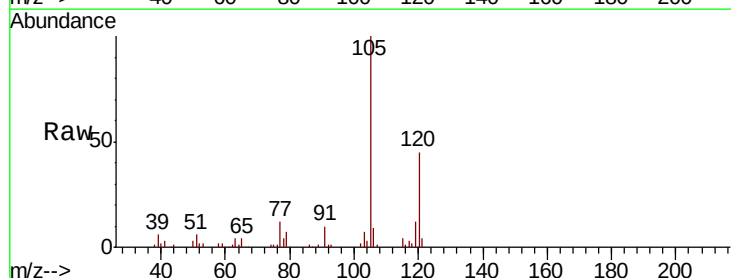


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

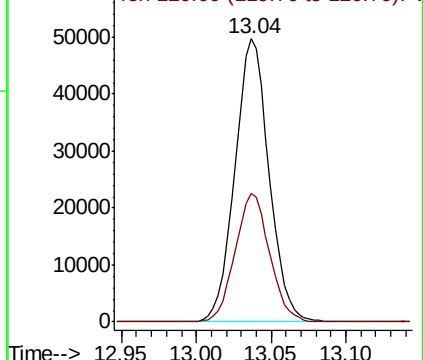
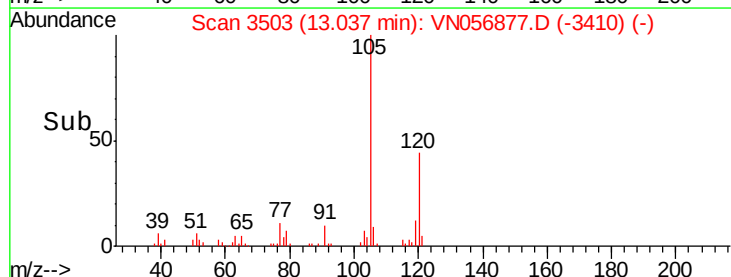


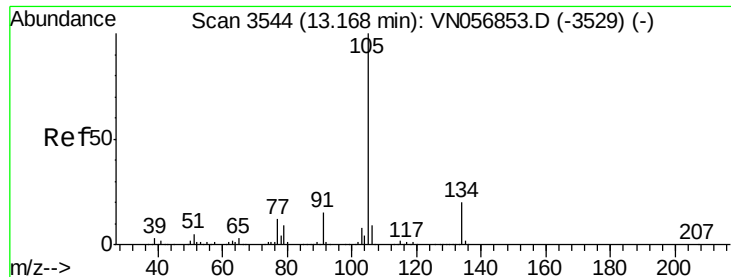
#84
 1,2,4-Trimethylbenzene
 Concen: 6.119 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056877.D
 Acq: 23 Jul 2019 14:36

Tgt Ion:105 Resp: 78718
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 5.207 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.13 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

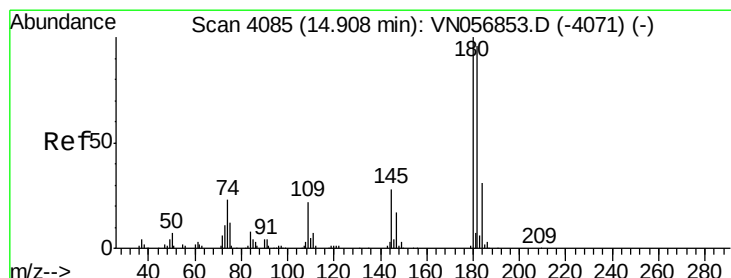
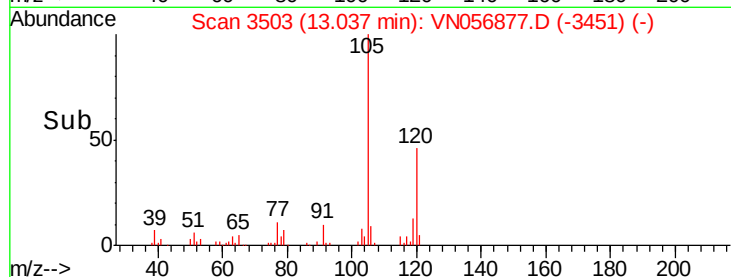
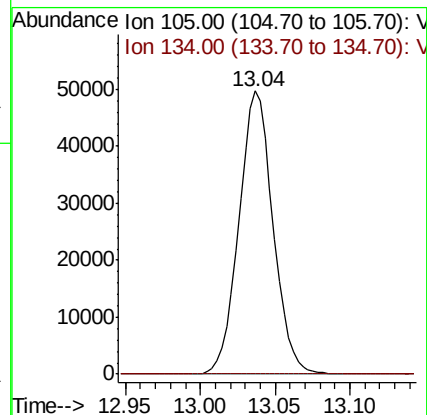
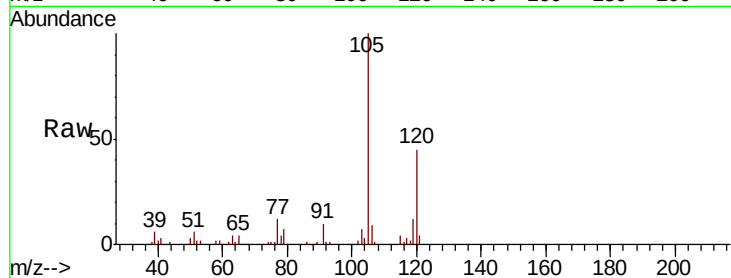
ROLL-OFF-COMP

Tot Ion:105 Resp: 78718

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#93

1,2,4-Trichlorobenzene

Concen: 4.199 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

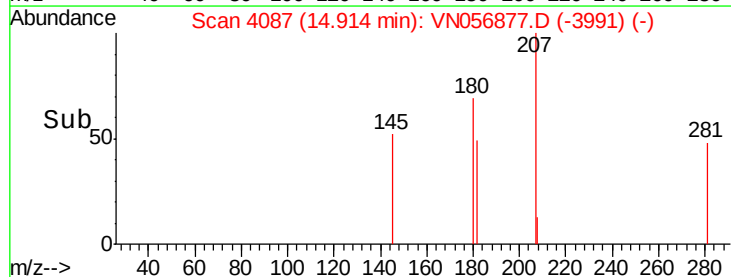
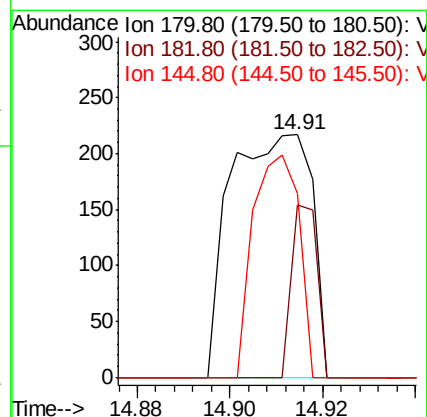
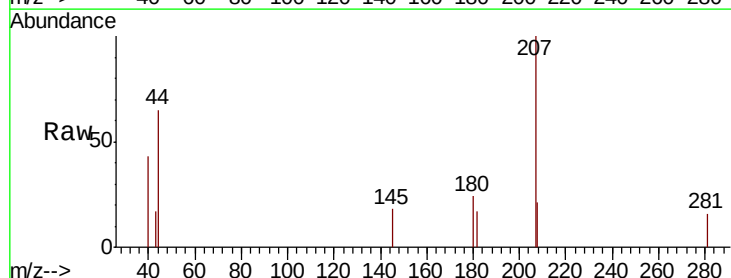
Tgt Ion:180 Resp: 264

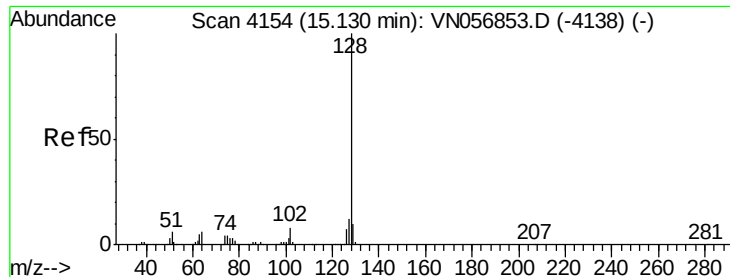
Ion Ratio Lower Upper

180 100

182 22.3 47.9 143.7#

145 51.1 14.1 42.3#





#95

Naphthalene

Concen: 4.714 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

ROLL-OFF-COMP

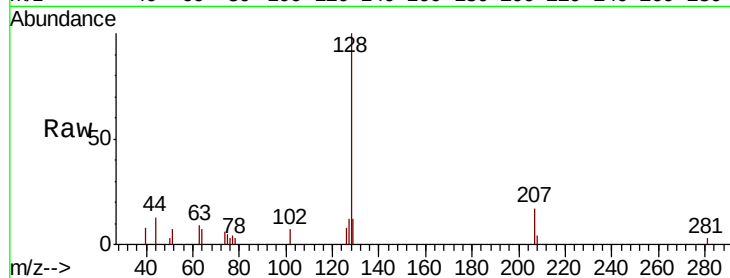
Tot Ion:128 Resp: 10600

Ion Ratio Lower Upper

128 100

127 10.7 10.2 15.2

129 10.4 8.5 12.7

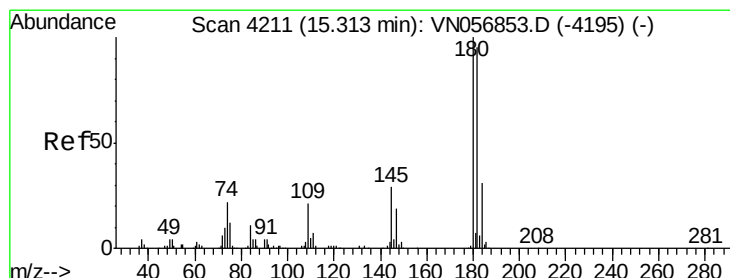
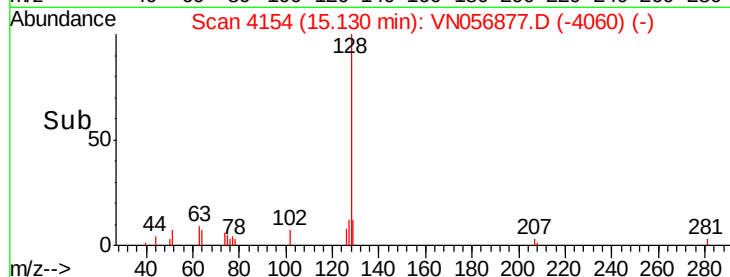
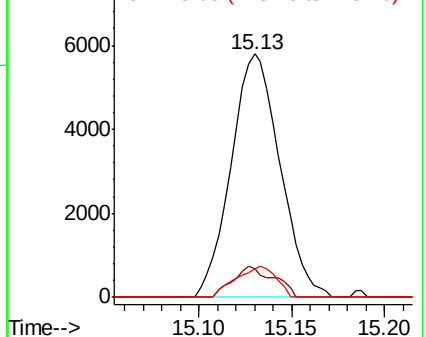


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.521 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056877.D

Acq: 23 Jul 2019 14:36

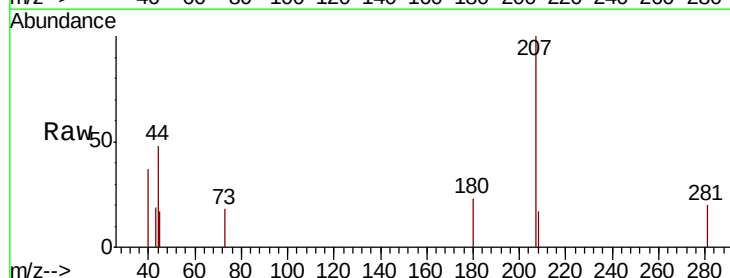
Tgt Ion:180 Resp: 192

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

145 0.0 14.7 44.1#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

