

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060344.D
 Acq On : 4 Mar 2020 13:33
 Operator : JC/MD
 Sample : PB127249ZHE#13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#13

Quant Time: Mar 05 05:09:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	129302	49.47	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.57	113	89633	58.43	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	405090	52.18	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	151387	51.44	ug/l	0.00
Spiked Amount						

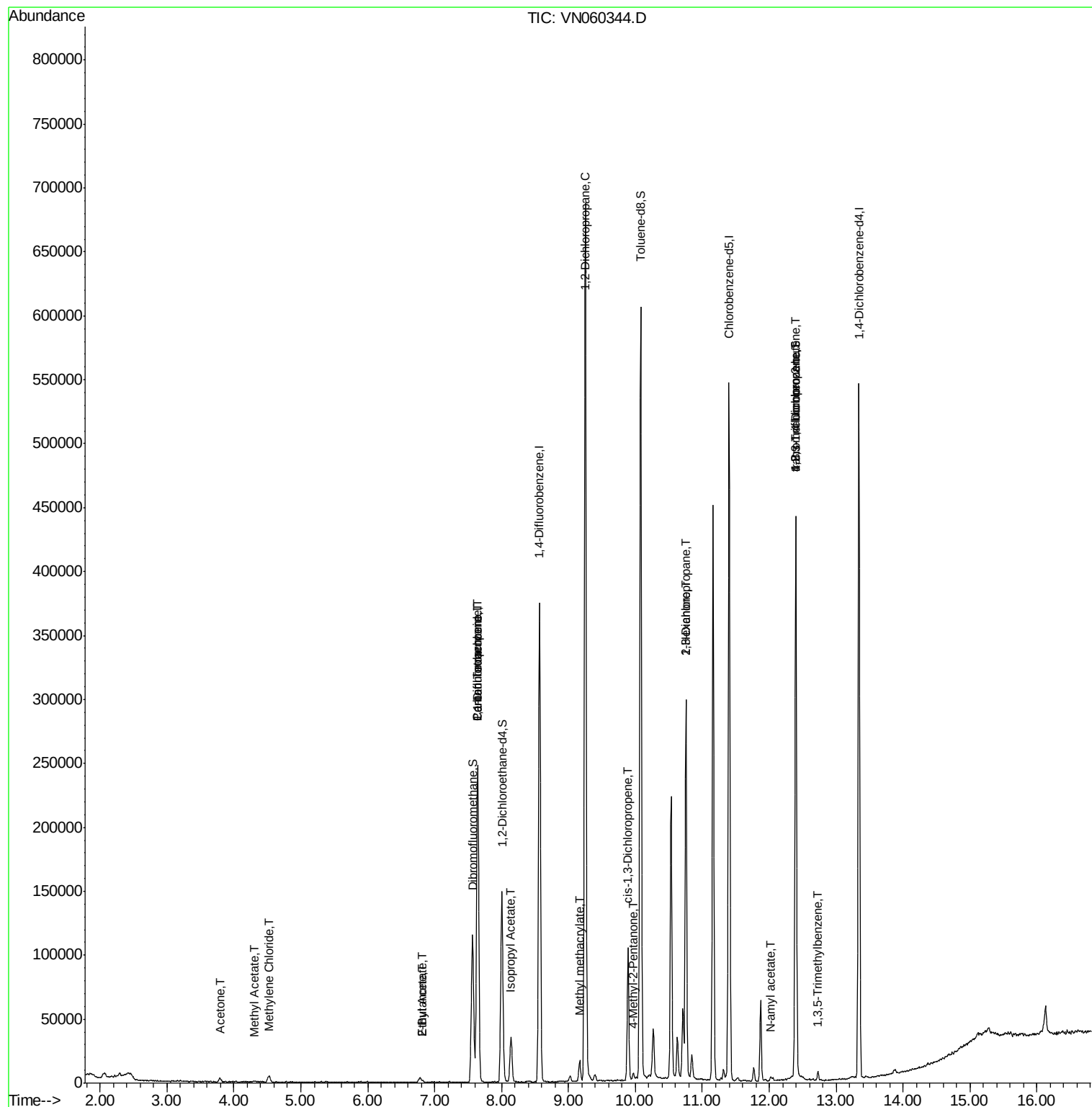
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5204	6.165	ug/l	96
17) Carbon Disulfide	4.02	76	92	Below Cal	#	75
18) Methyl Acetate	4.30	43	936	0.332	ug/l #	52
20) Methylene Chloride	4.52	84	3770	1.626	ug/l #	88
25) 2-Butanone	6.82	43	1401	1.028	ug/l #	49
31) Cyclohexane	7.64	56	4090	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15753	5.002	ug/l #	45
37) Ethyl Acetate	6.82	43	1401	0.470	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19723	6.432	ug/l #	16
43) Isopropyl Acetate	8.14	43	42742	8.187	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	613	0.256	ug/l #	44
48) Methyl methacrylate	9.16	41	2423	1.018	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3917	1.323	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	18333	4.565	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	2894	0.766	ug/l #	42
59) 2-Hexanone	10.75	43	43790	20.148	ug/l #	52
74) N-amyl acetate	12.02	43	2159	0.462	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	77857	24.603	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3884	0.432	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	77857	67.917	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	194	Below Cal	#	49
88) 1,4-Dichlorobenzene	13.36	146	169	Below Cal	#	1
95) Naphthalene	15.13	128	683	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	92	Below Cal	#	12

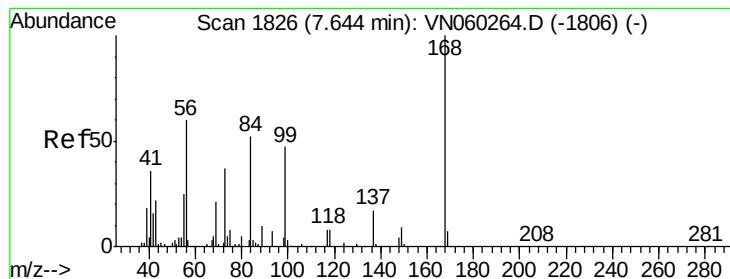
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

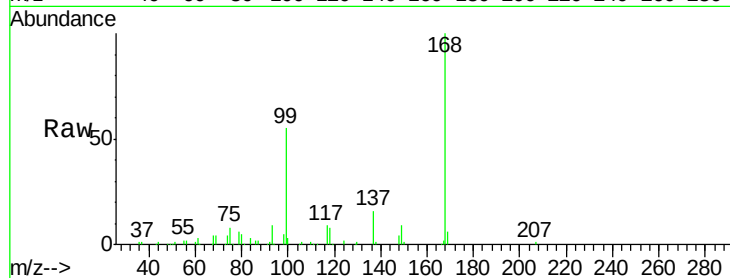
PB127249ZHE#13

Tgt Ion:168 Resp: 203735

Ion Ratio Lower Upper

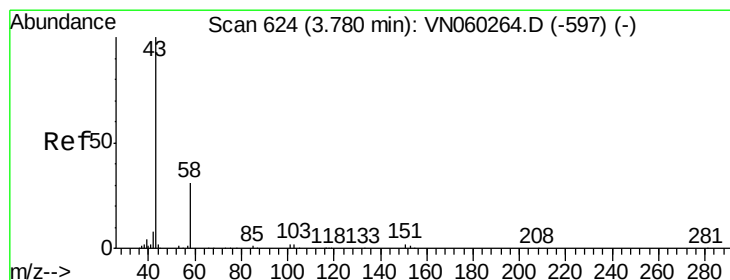
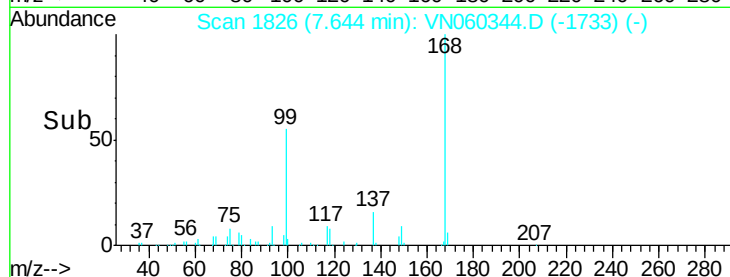
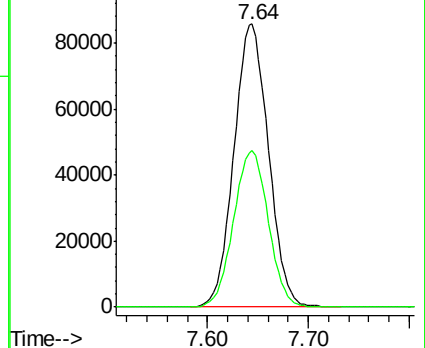
168 100

99 55.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.165 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060344.D

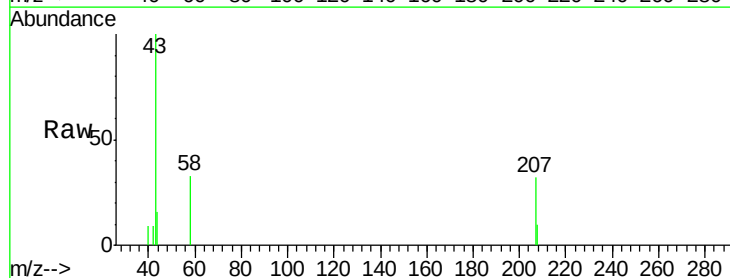
Acq: 4 Mar 2020 13:33

Tgt Ion: 43 Resp: 5204

Ion Ratio Lower Upper

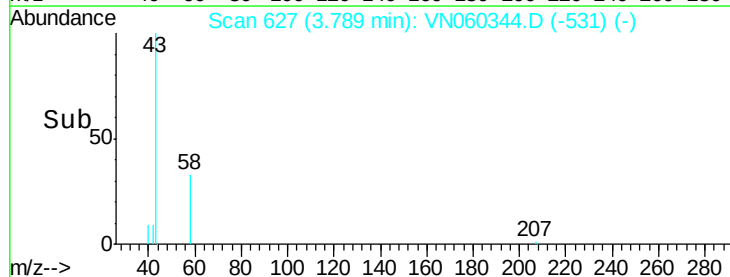
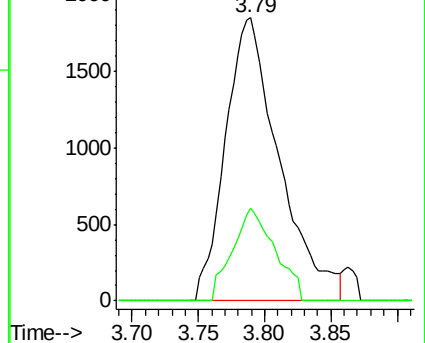
43 100

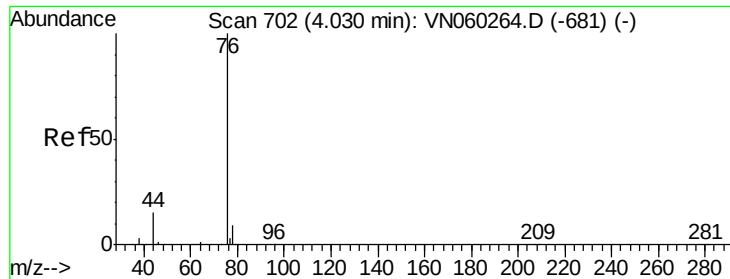
58 32.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

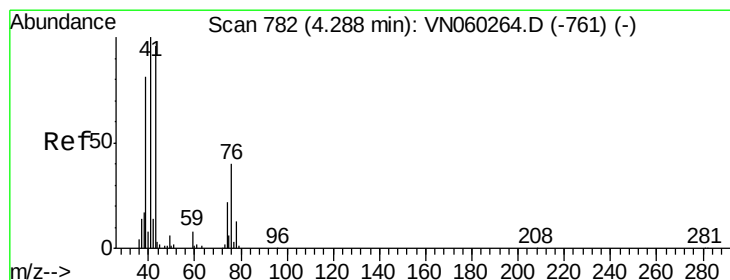
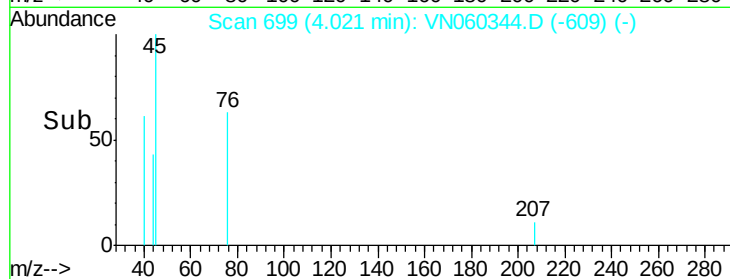
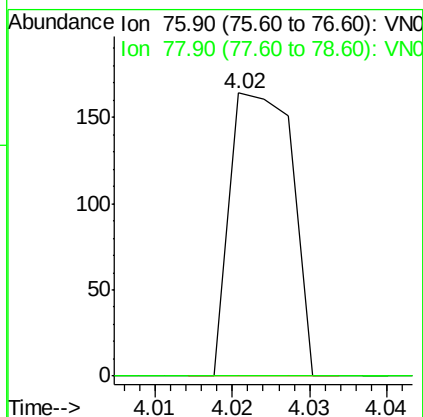
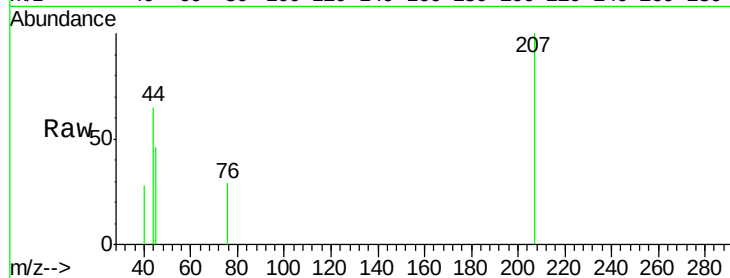




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN060344.D
Acq: 4 Mar 2020 13:33

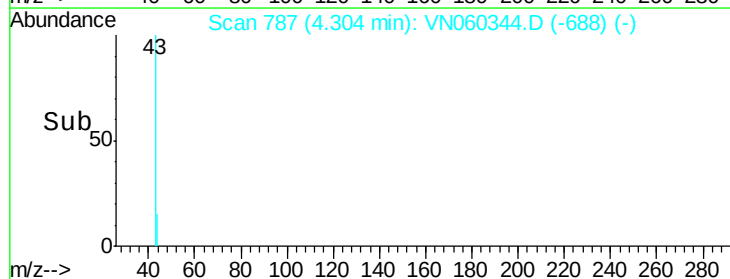
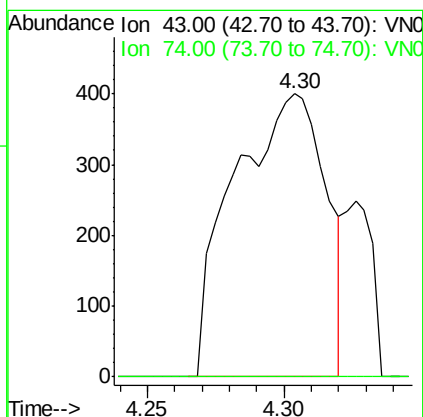
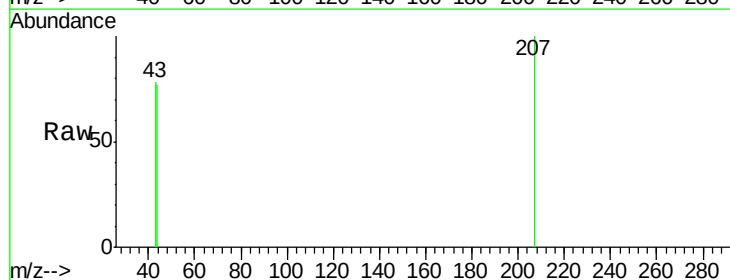
Instrument :
MSVOA_N
ClientSampleId :
PB127249ZHE#13

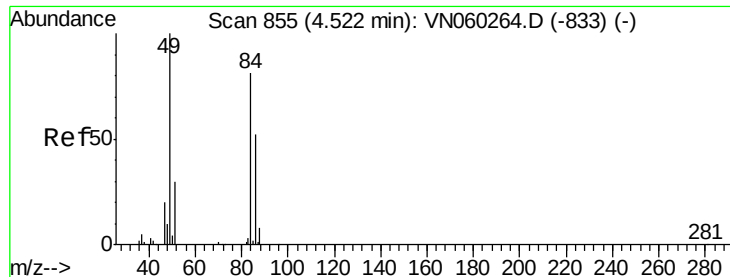
Tgt Ion: 76 Resp: 92
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.332 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060344.D
Acq: 4 Mar 2020 13:33

Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#

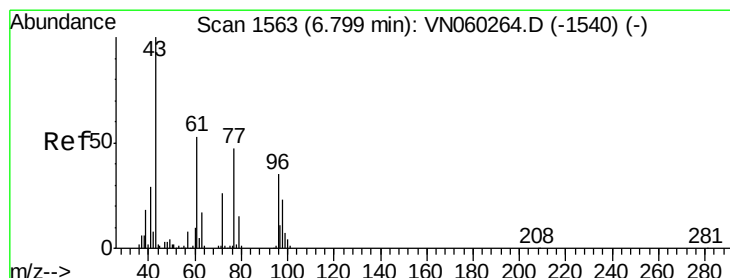
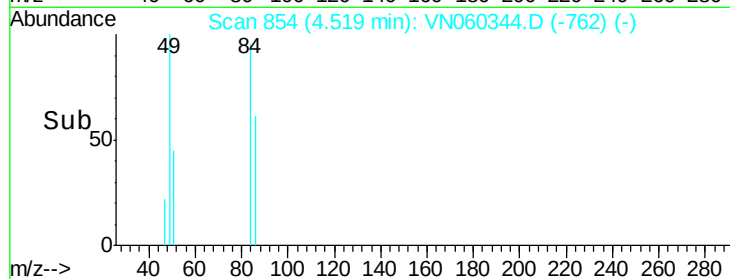
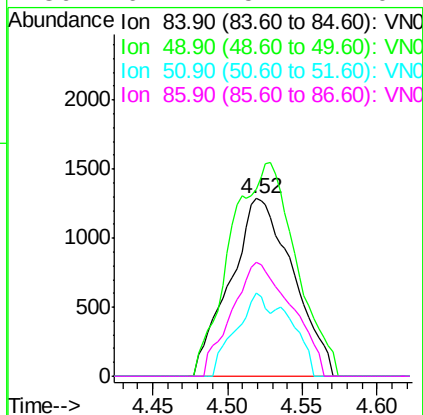
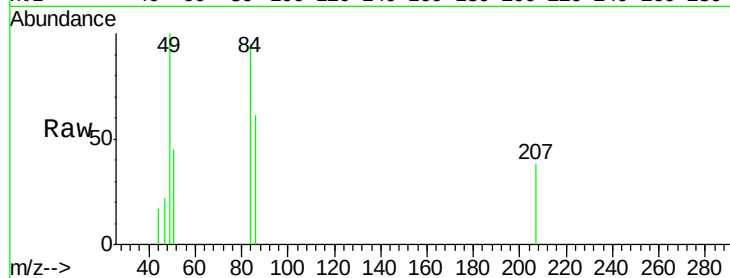




#20
Methylene Chloride
Concen: 1.626 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060344.D
Acq: 4 Mar 2020 13:33

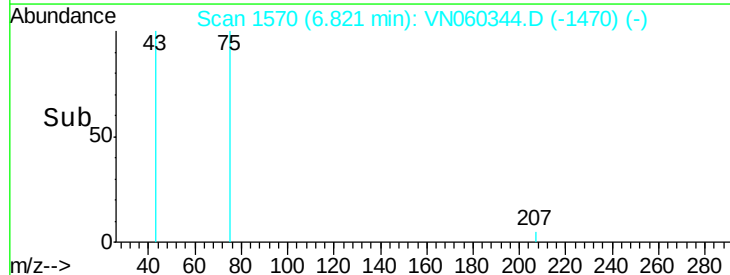
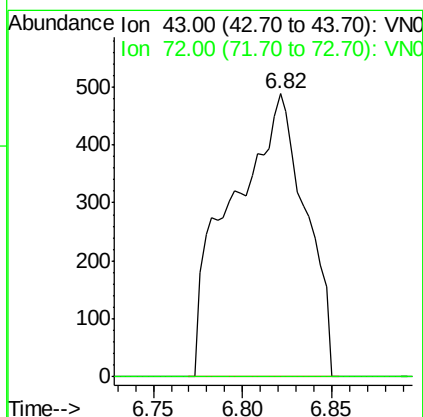
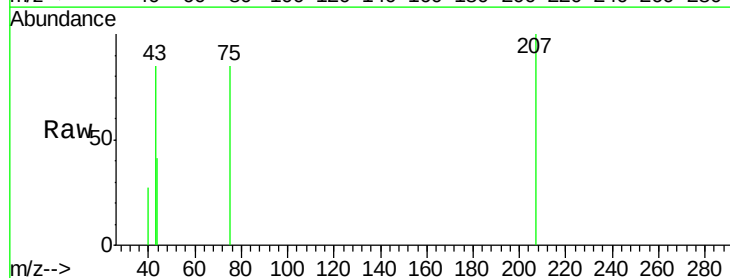
Instrument :
MSVOA_N
ClientSampleId :
PB127249ZHE#13

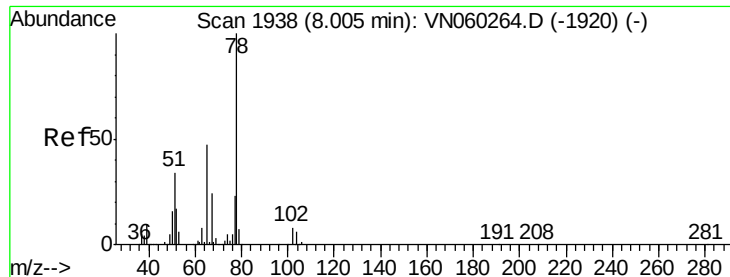
Tgt Ion: 84 Resp: 3770
Ion Ratio Lower Upper
84 100
49 105.0 99.3 148.9
51 46.8 30.1 45.1#
86 64.4 51.1 76.7



#25
2-Butanone
Concen: 1.028 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN060344.D
Acq: 4 Mar 2020 13:33

Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

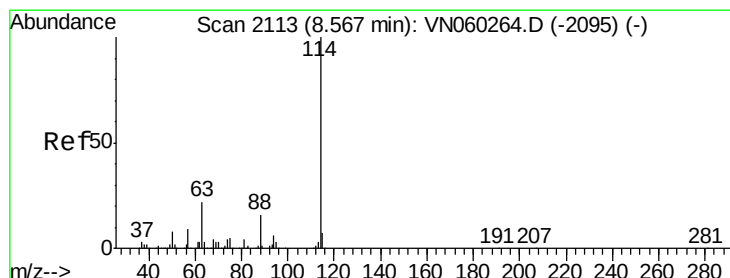
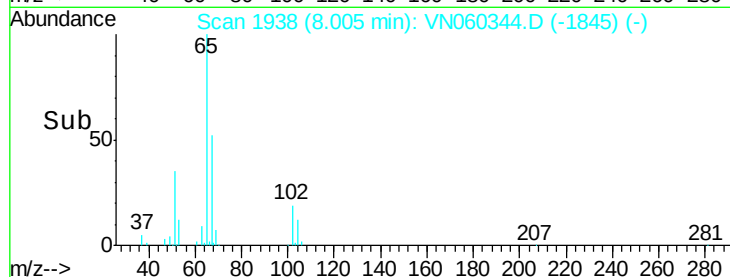
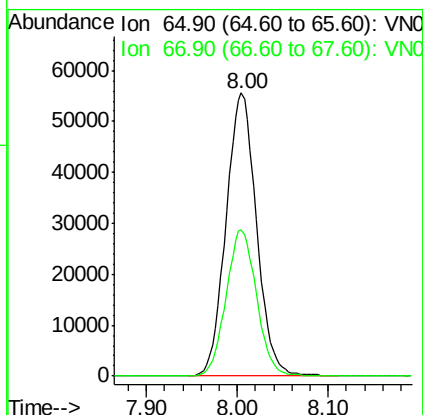
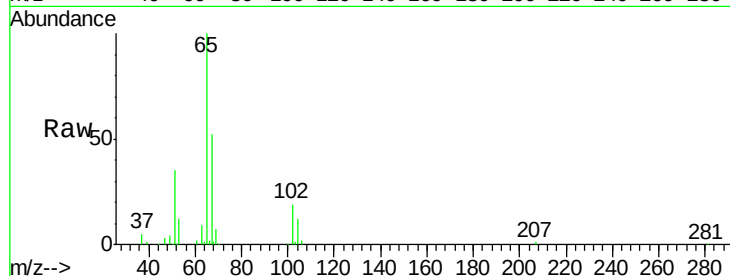




#33
 1,2-Dichloroethane-d4
 Concen: 49.466 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060344.D
 Acq: 4 Mar 2020 13:33

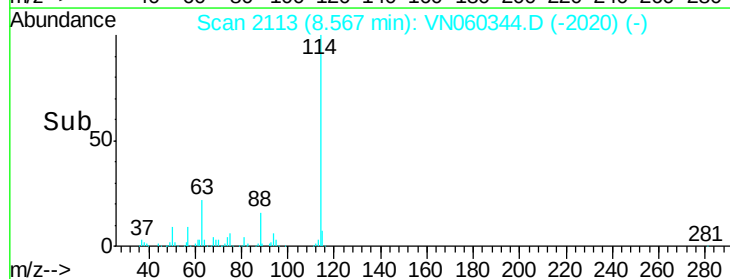
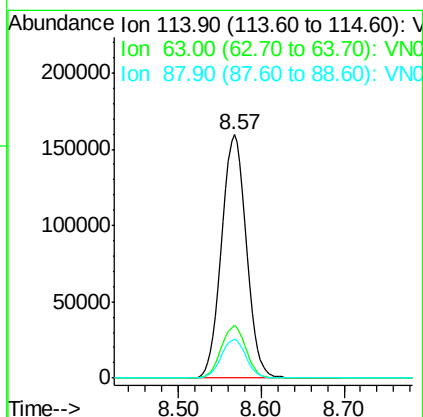
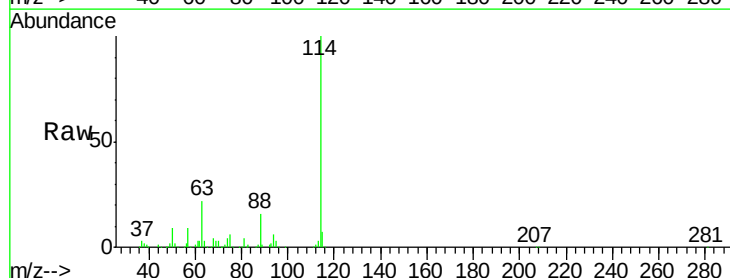
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#13

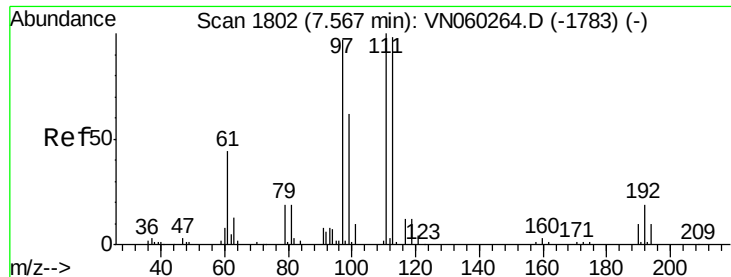
Tgt Ion: 65 Resp: 129302
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060344.D
 Acq: 4 Mar 2020 13:33

Tgt Ion: 114 Resp: 330477
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 15.8 0.0 31.6

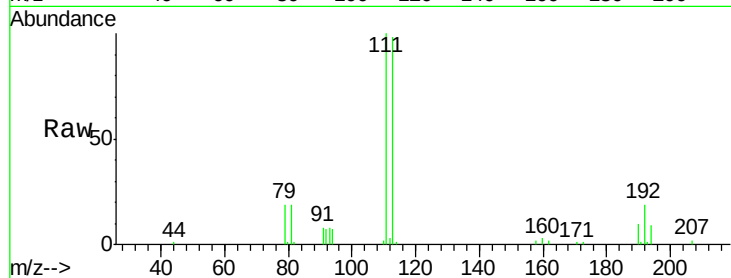




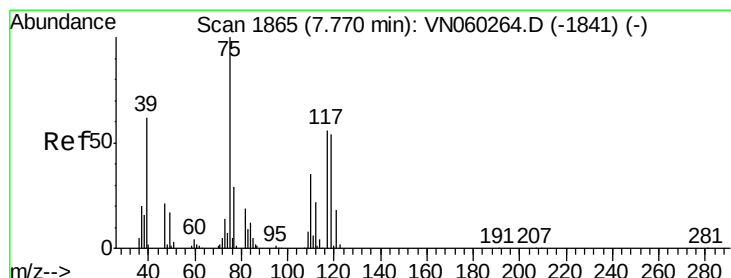
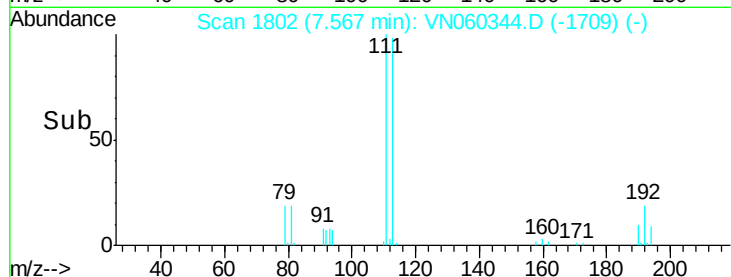
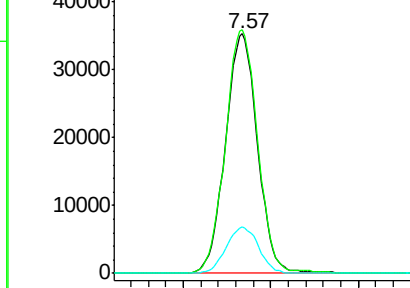
#35
 Dibromofluoromethane
 Concen: 58.432 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060344.D
 Acq: 4 Mar 2020 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.4	123.6
192	19.7	16.2	24.2

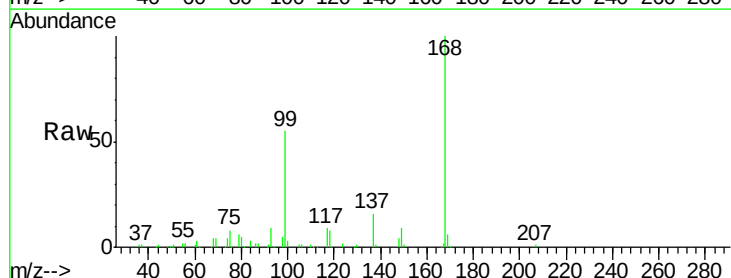


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

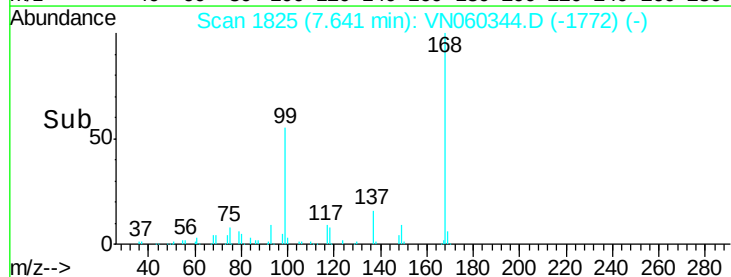
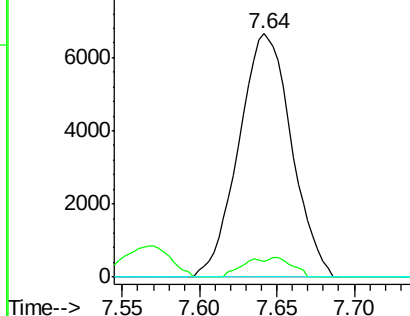


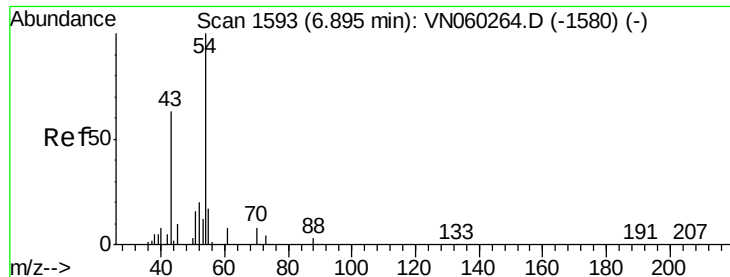
#36
 1,1-Dichloropropene
 Concen: 5.002 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060344.D
 Acq: 4 Mar 2020 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.3	17.3	52.0#
77	0.0	24.2	36.2#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

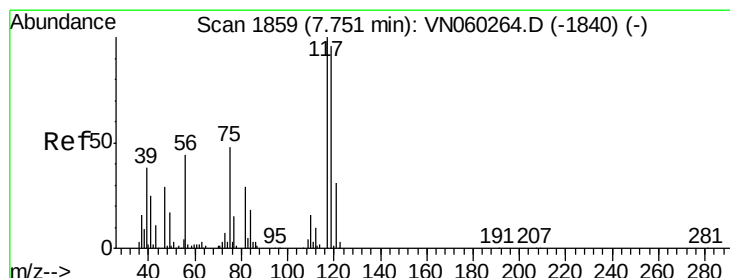
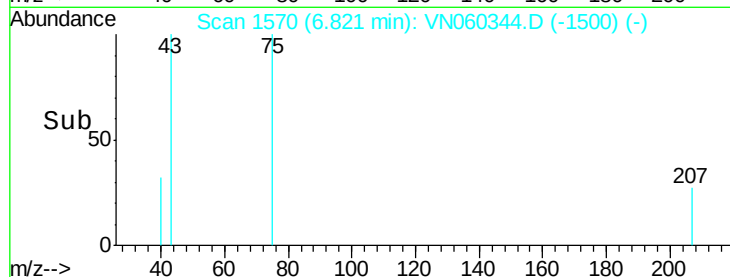
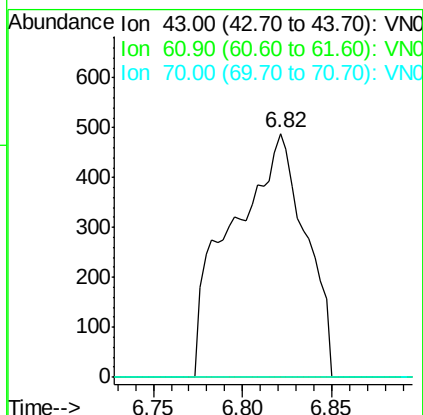
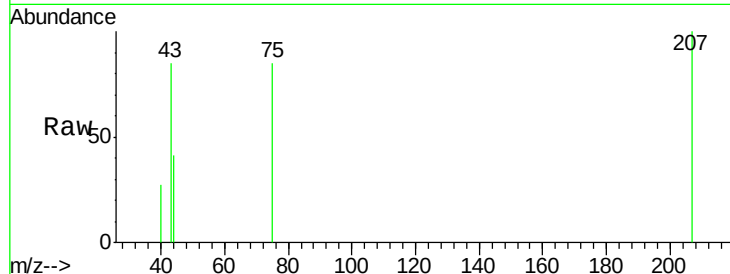




#37
Ethyl Acetate
Concen: 0.470 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.07 min
Lab File: VN060344.D
Acq: 4 Mar 2020 13:33

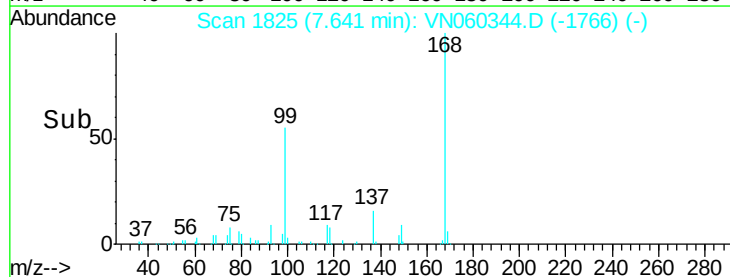
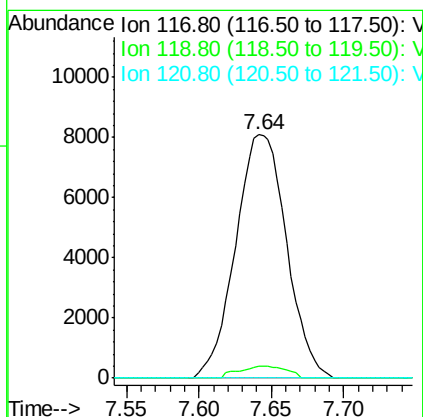
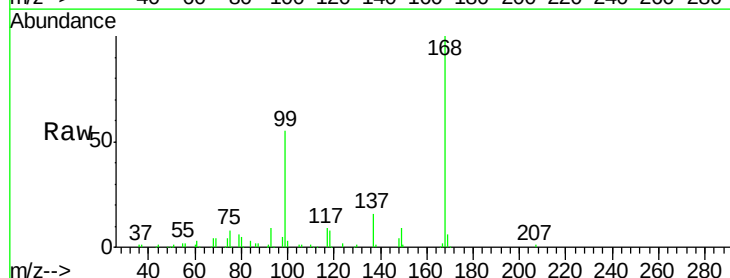
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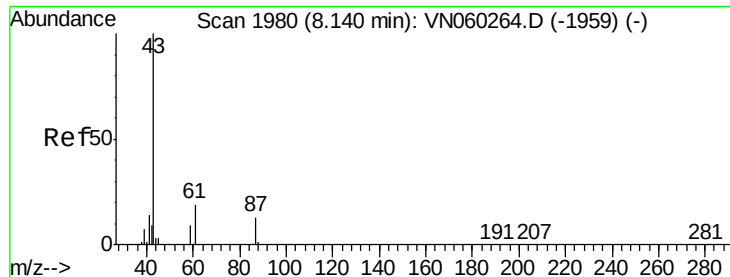
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.432 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060344.D
Acq: 4 Mar 2020 13:33

Tgt Ion: 117 Resp: 19723
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 8.187 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#13

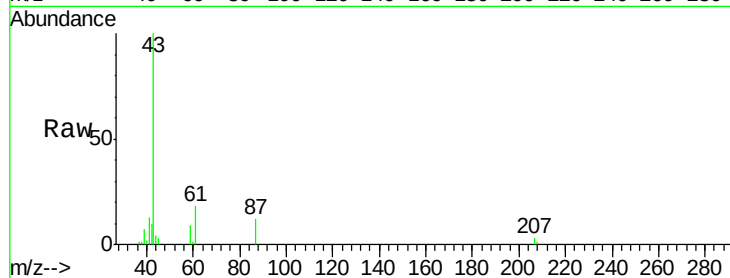
Tgt Ion: 43 Resp: 42742

Ion Ratio Lower Upper

43 100

61 18.6 20.9 31.3#

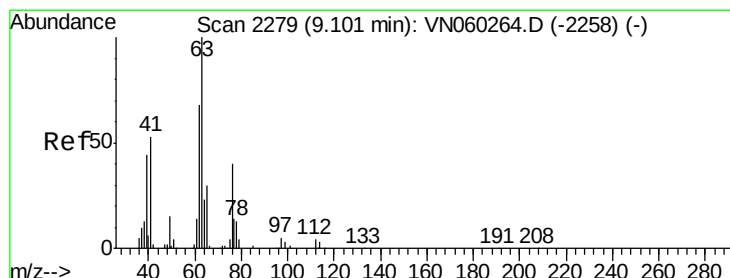
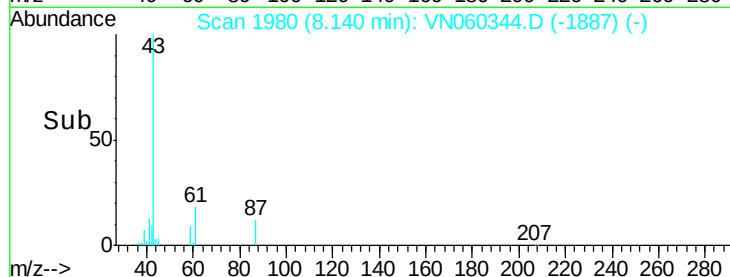
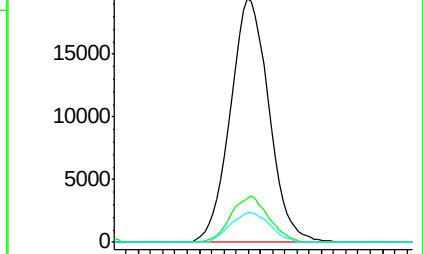
87 12.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060344.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060344.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060344.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.256 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN060344.D

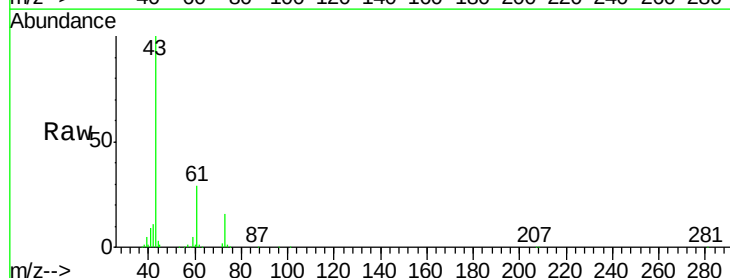
Acq: 4 Mar 2020 13:33

Tgt Ion: 63 Resp: 613

Ion Ratio Lower Upper

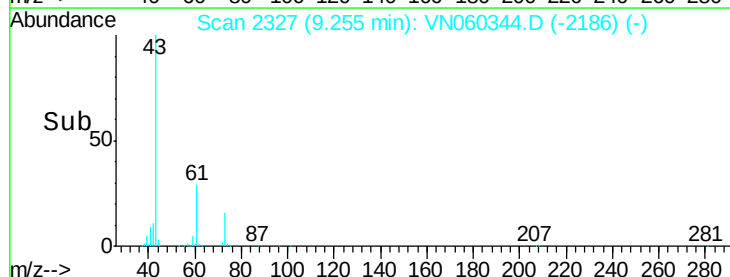
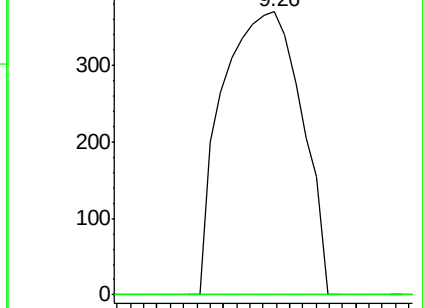
63 100

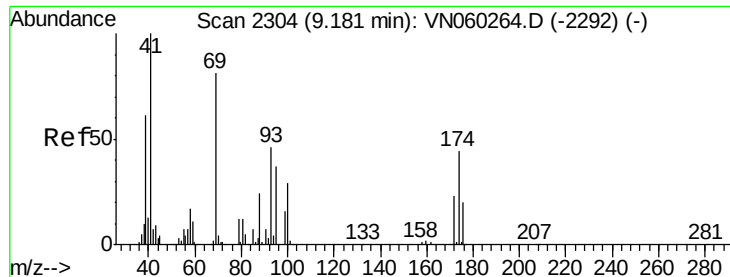
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060344.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060344.D (-2186) (-)

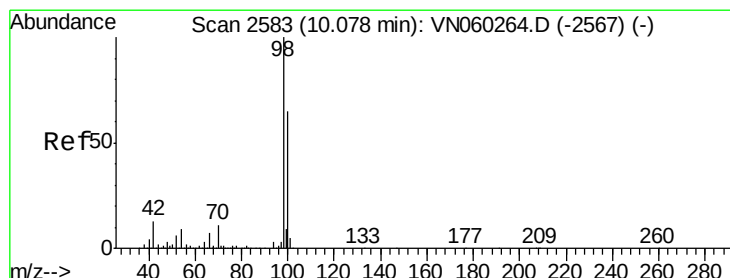
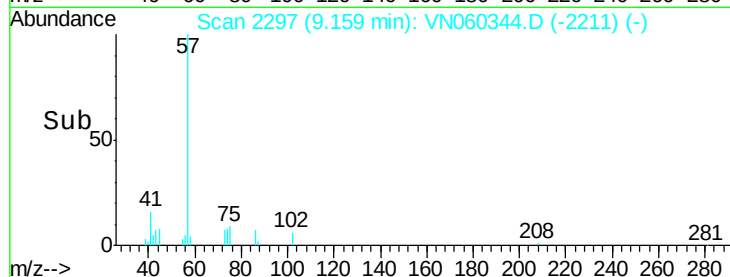
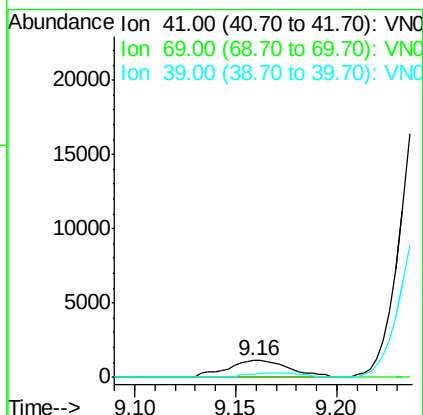
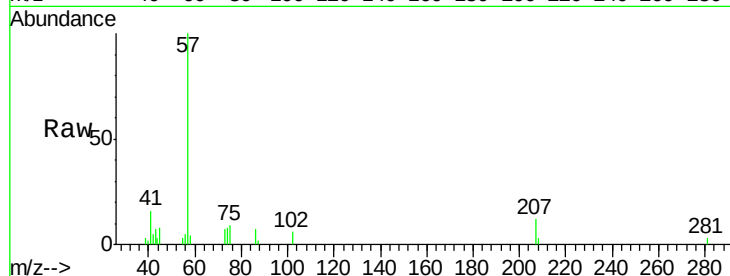




#48
Methyl methacrylate
Concen: 1.018 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060344.D
Acq: 4 Mar 2020 13:33

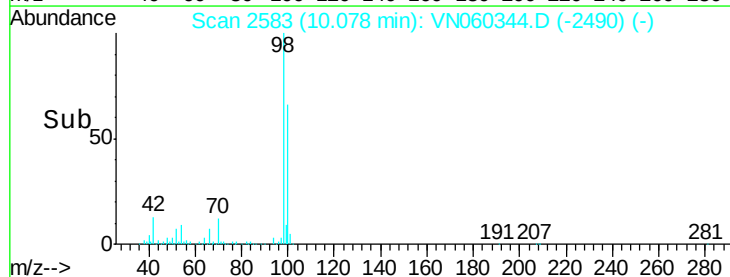
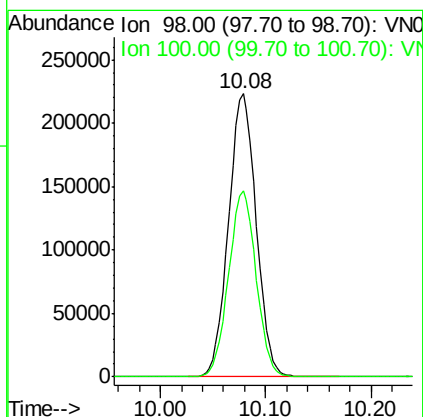
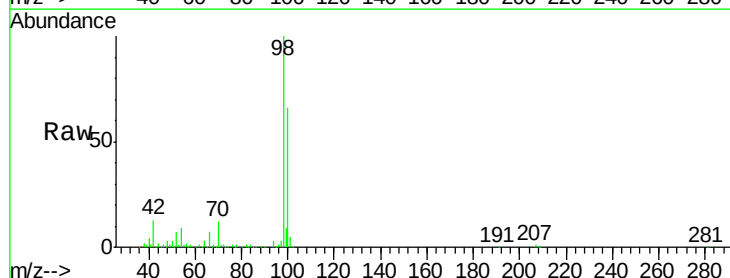
Instrument :
MSVOA_N
ClientSampleId :
PB127249ZHE#13

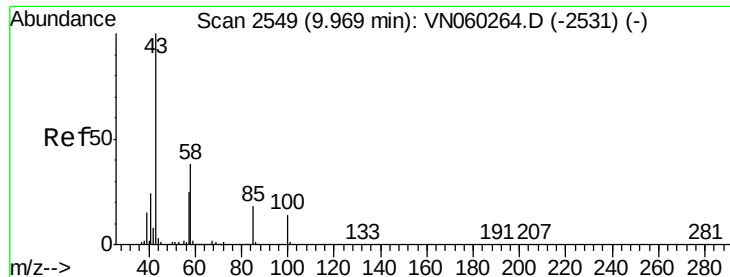
Tgt Ion: 41 Resp: 2423
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.178 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060344.D
Acq: 4 Mar 2020 13:33

Tgt Ion: 98 Resp: 405090
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

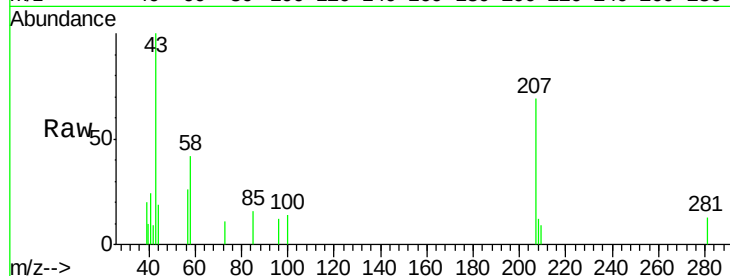




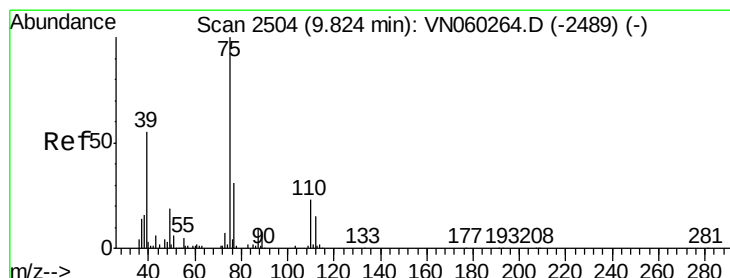
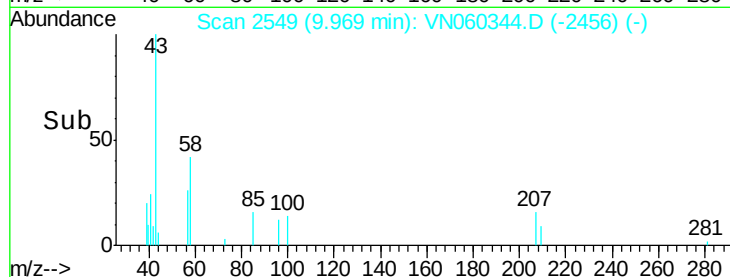
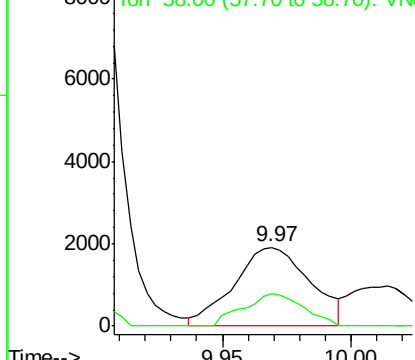
#51
 4-Methyl-2-Pentanone
 Concen: 1.323 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060344.D
 Acq: 4 Mar 2020 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#13

Tgt Ion: 43 Resp: 3917
 Ion Ratio Lower Upper
 43 100
 58 32.6 30.9 46.3

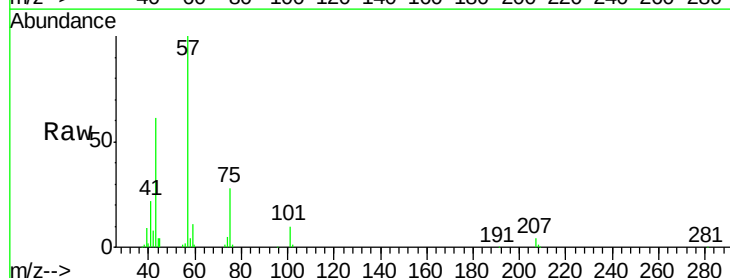


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

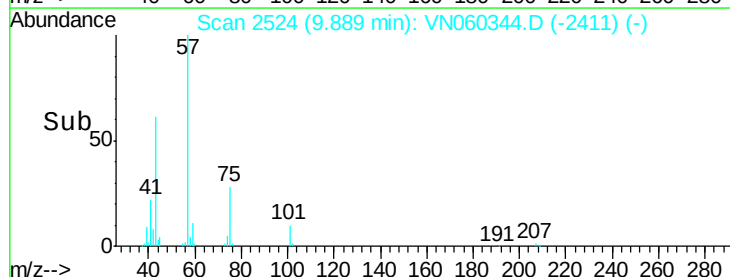
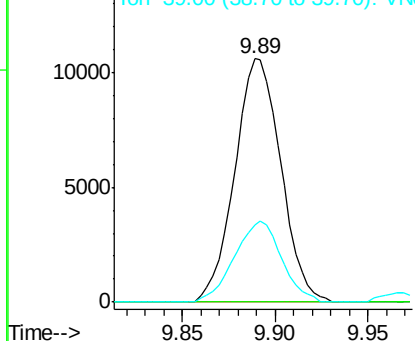


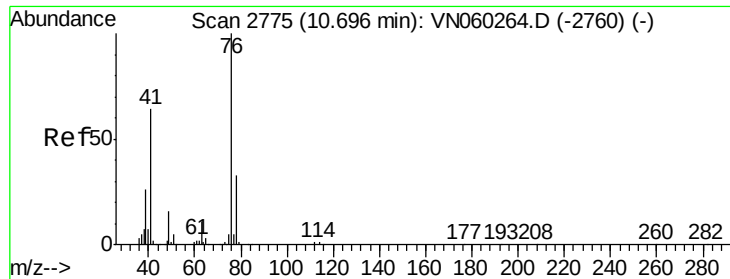
#54
 cis-1,3-Dichloropropene
 Concen: 4.565 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060344.D
 Acq: 4 Mar 2020 13:33

Tgt Ion: 75 Resp: 18333
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.6 43.8 65.8#



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

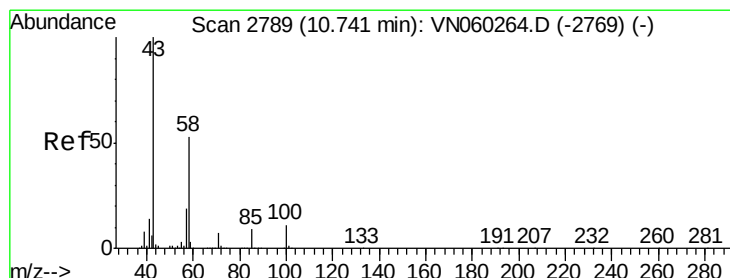
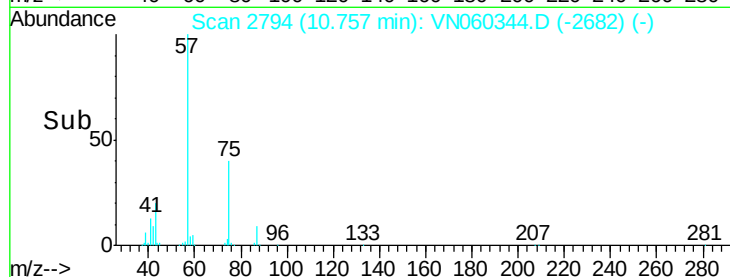
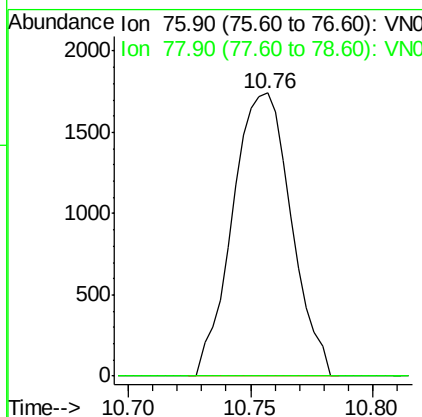
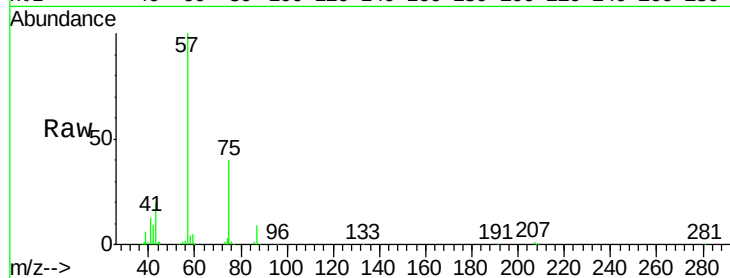




#57
 1,3-Dichloropropane
 Concen: 0.766 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN060344.D
 Acq: 4 Mar 2020 13:33

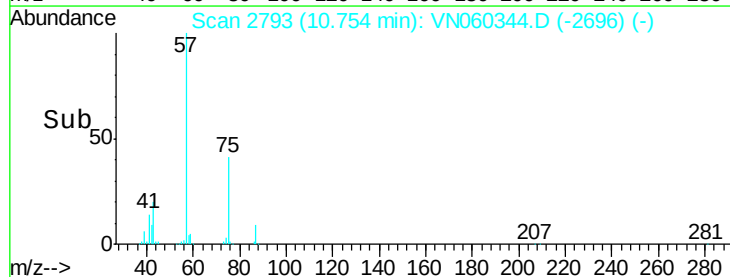
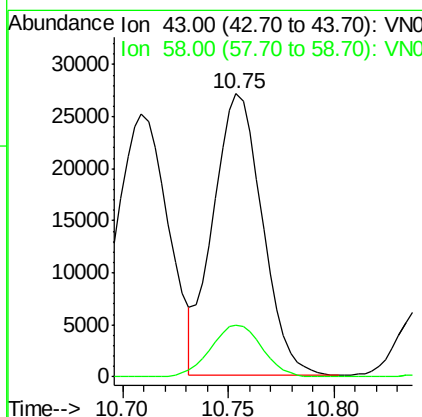
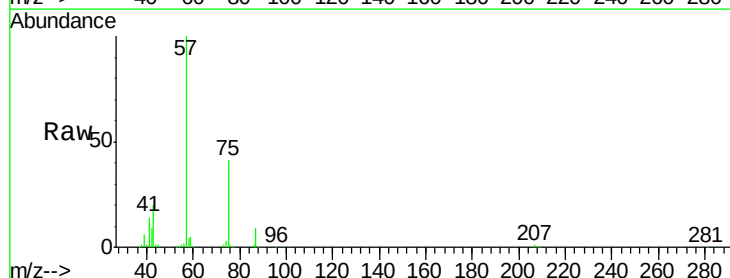
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#13

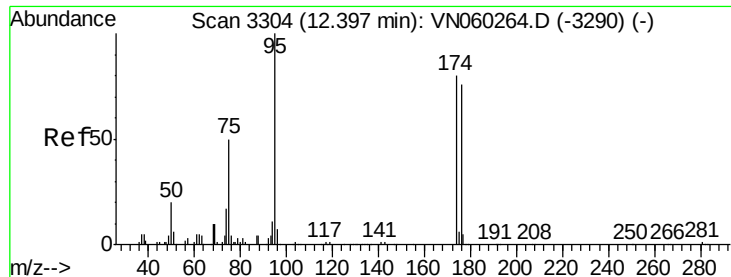
Tgt Ion: 76 Resp: 2894
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 20.148 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060344.D
 Acq: 4 Mar 2020 13:33

Tgt Ion: 43 Resp: 43790
 Ion Ratio Lower Upper
 43 100
 58 19.2 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 51.440 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#13

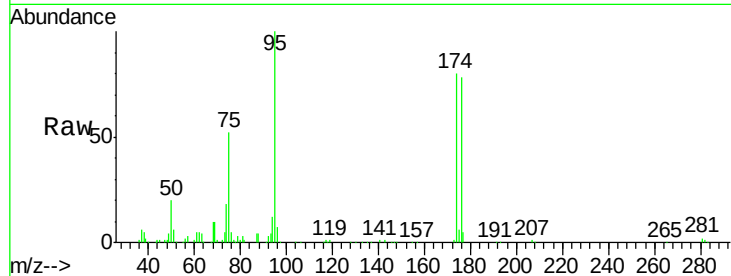
Tgt Ion: 95 Resp: 151387

Ion Ratio Lower Upper

95 100

174 80.6 0.0 159.2

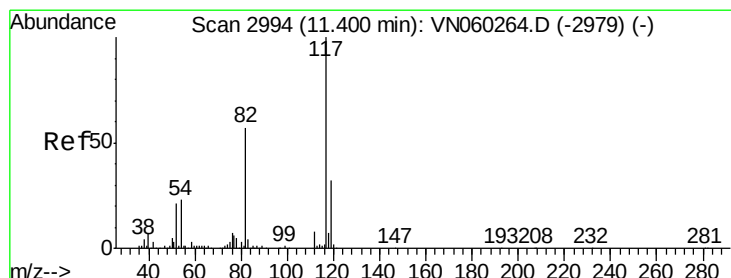
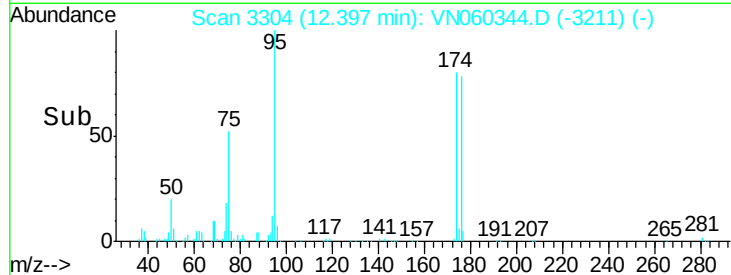
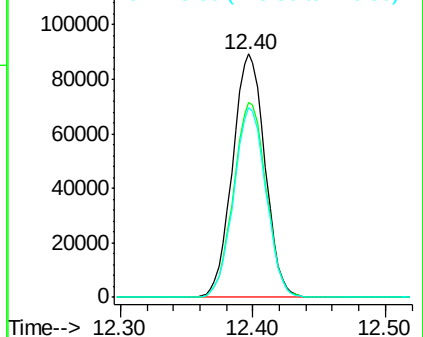
176 77.7 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060344.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060344.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060344.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

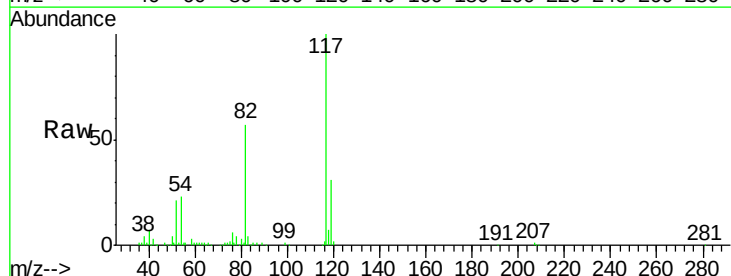
Tgt Ion: 117 Resp: 309633

Ion Ratio Lower Upper

117 100

82 57.1 45.8 68.6

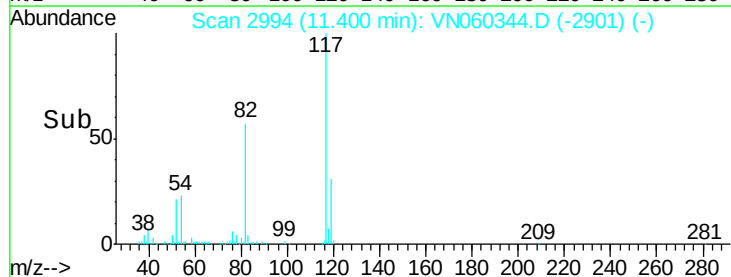
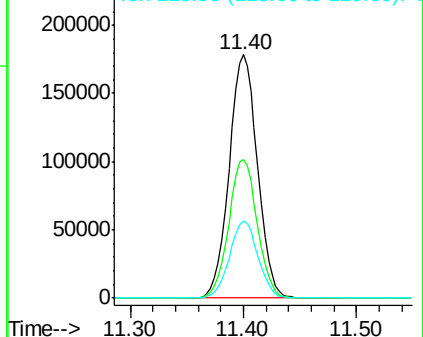
119 31.5 25.8 38.8

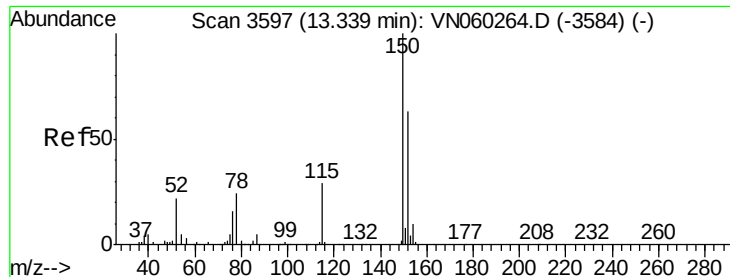


Abundance Ion 116.90 (116.60 to 117.60): VN060344.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060344.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060344.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#13

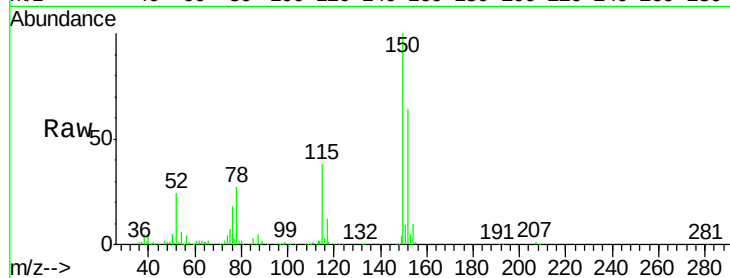
Tgt Ion:152 Resp: 144233

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

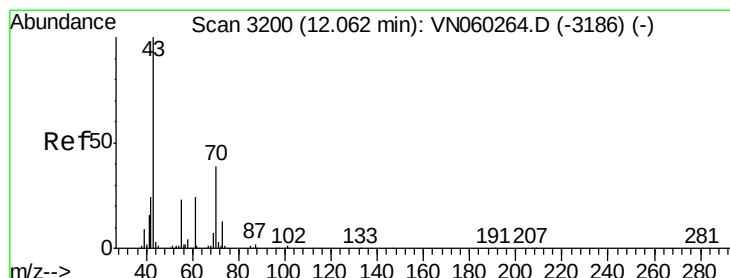
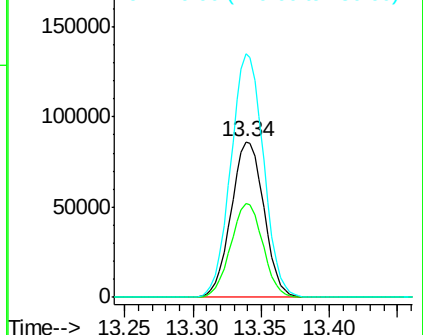
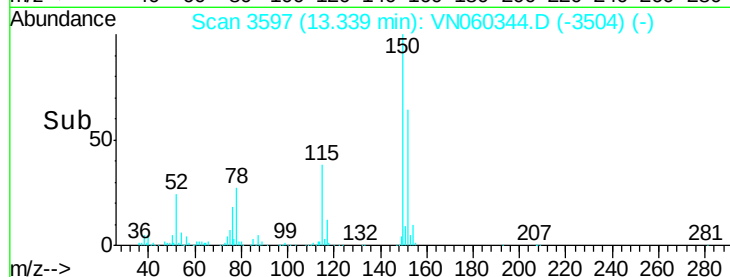
150 155.6 0.0 349.6



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



#74

N-ethyl acetate

Concen: 0.462 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

Tgt Ion: 43 Resp: 2159

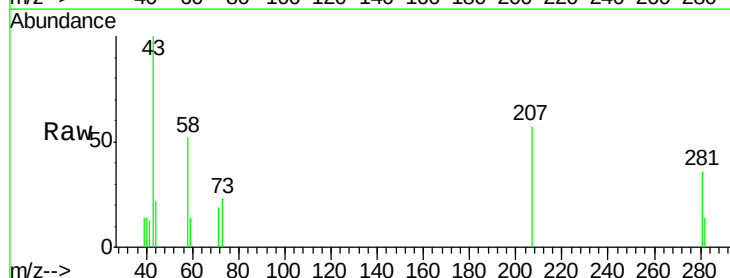
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

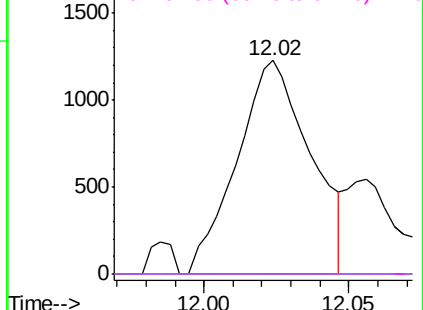
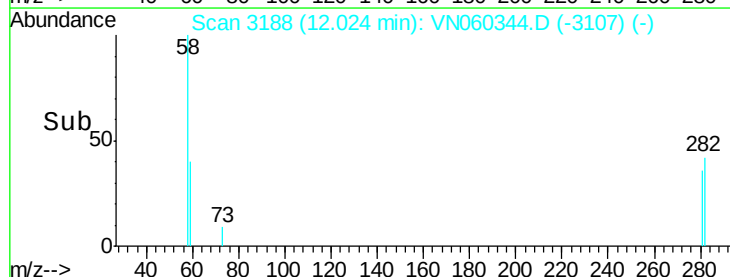


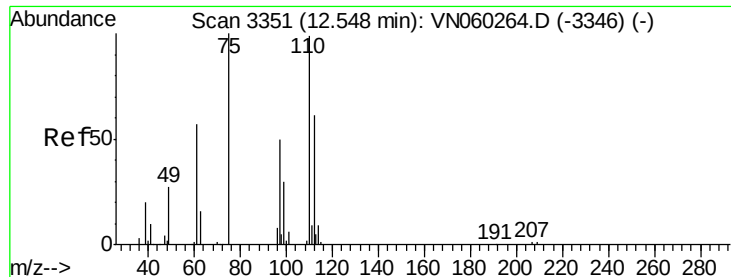
Abundance Ion 43.00 (42.70 to 43.70): V

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





#76

1,2,3-Trichloropropane

Concen: 24.603 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

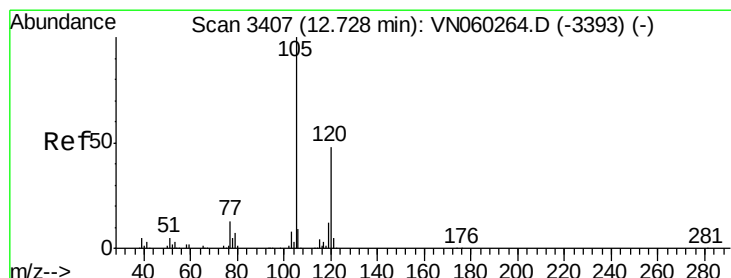
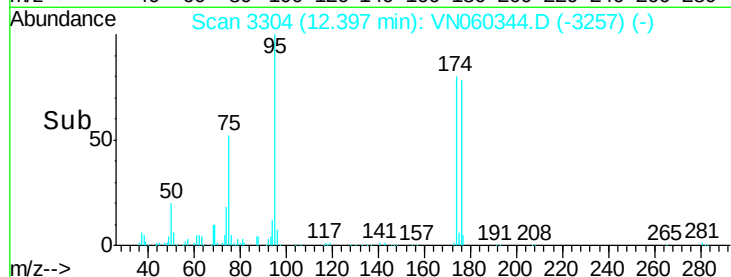
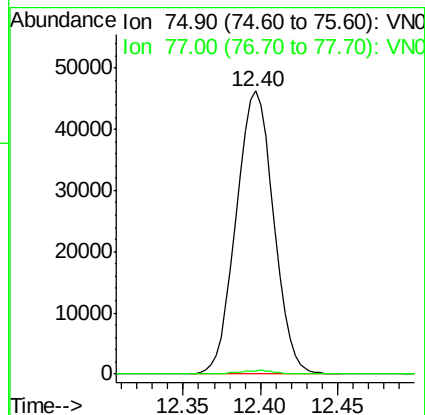
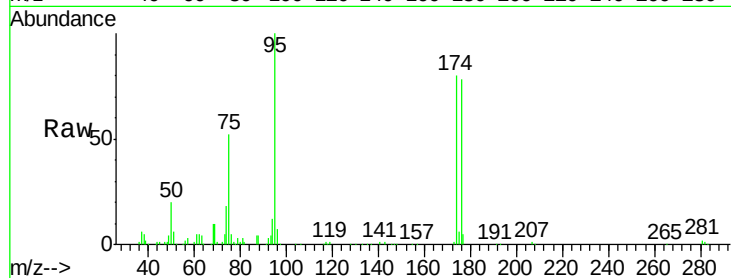
PB127249ZHE#13

Tgt Ion: 75 Resp: 77857

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.432 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060344.D

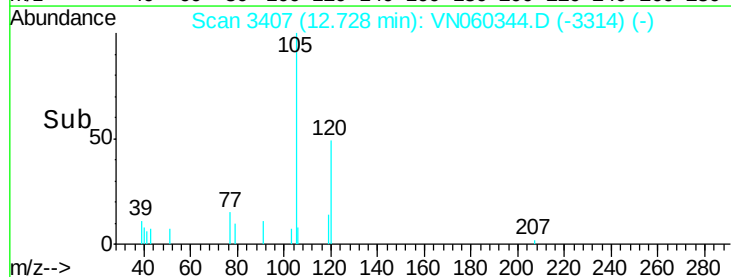
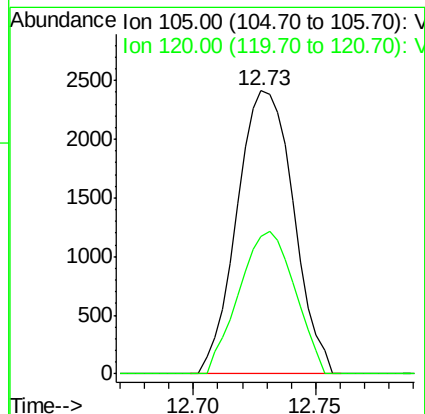
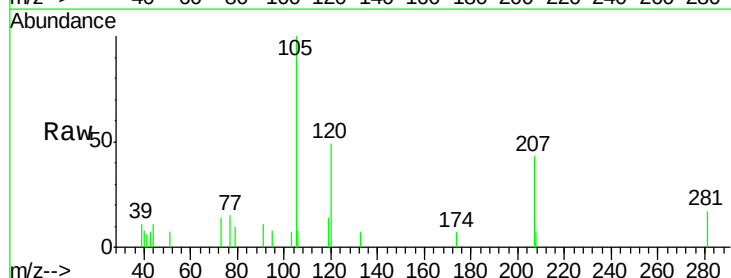
Acq: 4 Mar 2020 13:33

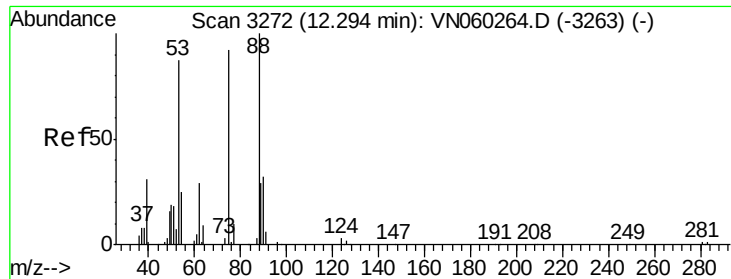
Tgt Ion: 105 Resp: 3884

Ion Ratio Lower Upper

105 100

120 49.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 67.917 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#13

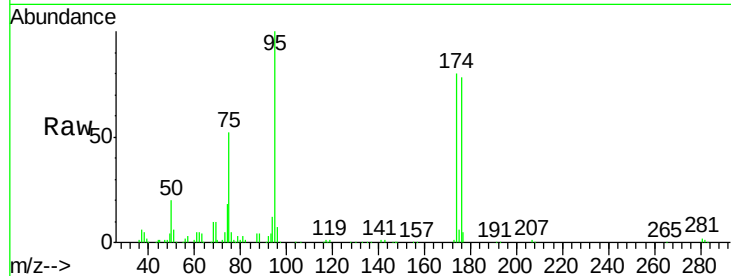
Tgt Ion: 75 Resp: 77857

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

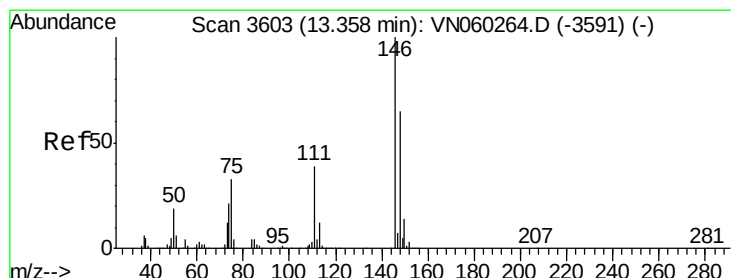
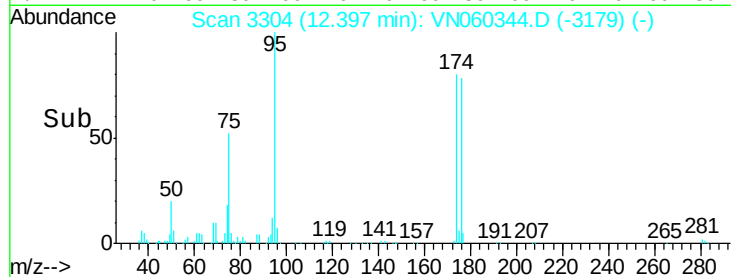
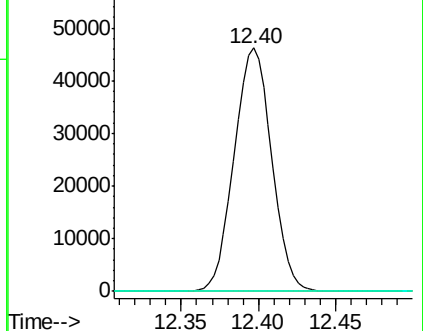
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060344.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060344.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060344.D (-3179) (-)



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060344.D

Acq: 4 Mar 2020 13:33

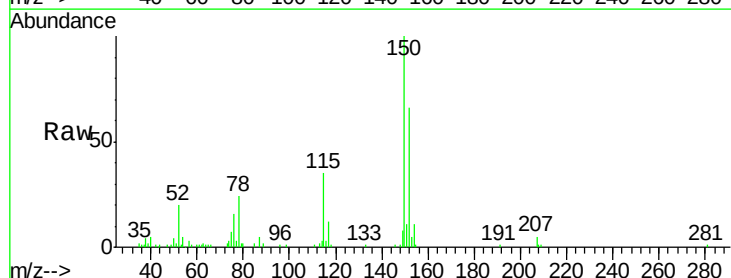
Tgt Ion: 146 Resp: 169

Ion Ratio Lower Upper

146 100

111 1157.4 19.8 59.4#

148 494.1 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): VN060344.D (-3510) (-)

Ion 110.90 (110.60 to 111.60): VN060344.D (-3510) (-)

Ion 147.90 (147.60 to 148.60): VN060344.D (-3510) (-)

