

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060418.D
 Acq On : 10 Mar 2020 15:46
 Operator : JC/MD
 Sample : PB127392ZHE#13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#13

Quant Time: Mar 11 06:41:30 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	202758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143286	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	128645	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.90%		
35) Dibromofluoromethane	7.57	113	97532	63.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	126.96%		
50) Toluene-d8	10.08	98	407451	52.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.80%		
62) 4-Bromofluorobenzene	12.40	95	153130	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.90%		

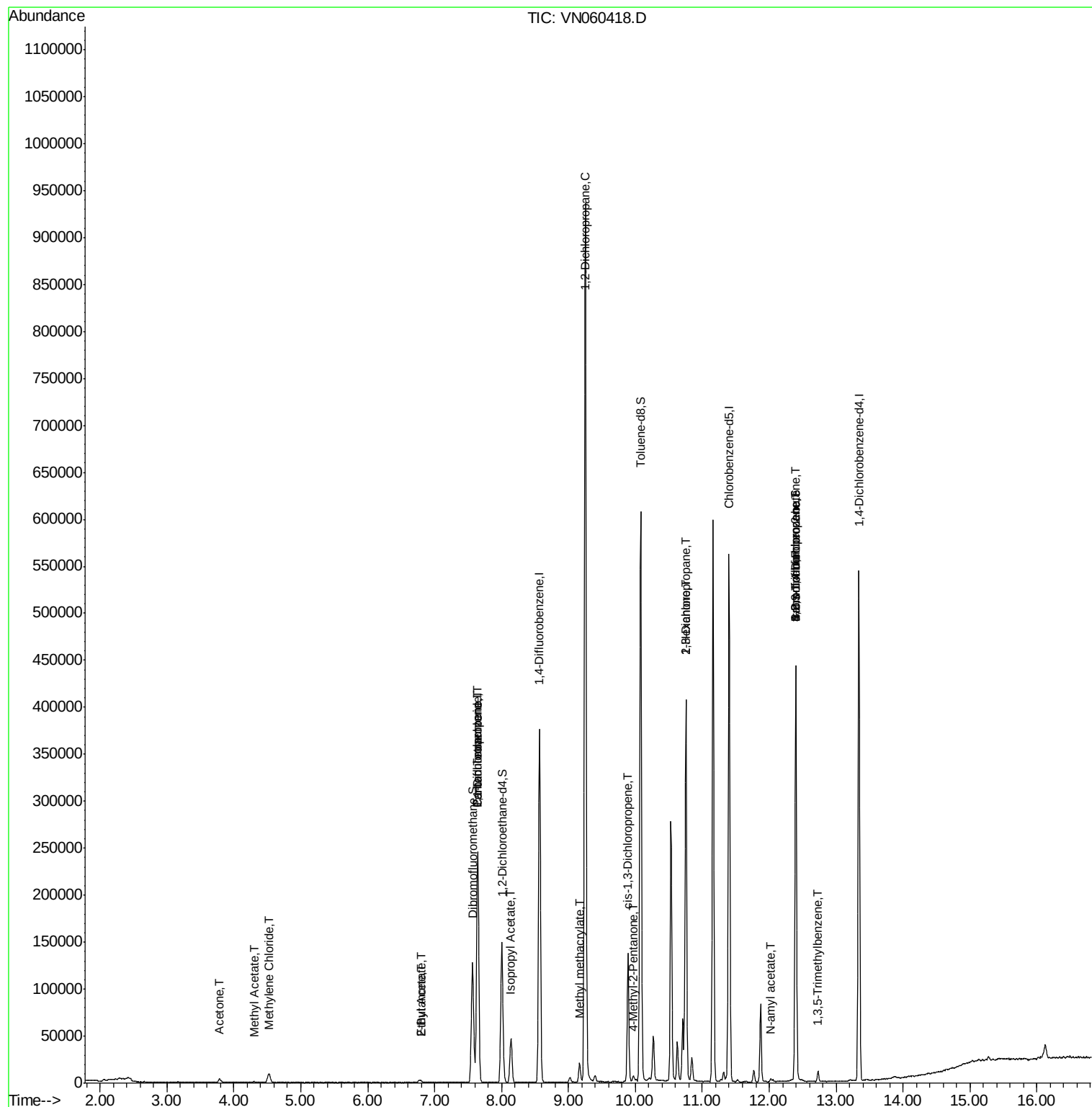
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6322	7.526	ug/l	97
18) Methyl Acetate	4.30	43	1387	0.495	ug/l #	52
20) Methylene Chloride	4.52	84	4078	1.768	ug/l	95
25) 2-Butanone	6.81	43	1088	0.802	ug/l #	49
31) Cyclohexane	7.64	56	4128	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15233	4.829	ug/l #	50
37) Ethyl Acetate	6.81	43	1088	0.364	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19306	6.286	ug/l #	16
43) Isopropyl Acetate	8.14	43	56812	10.864	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1128	0.470	ug/l #	44
48) Methyl methacrylate	9.16	41	2855	1.197	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4382	1.478	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	24358	6.056	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3970	1.050	ug/l #	42
59) 2-Hexanone	10.75	43	59398	27.285	ug/l #	52
71) Bromoform	12.40	173	632	0.375	ug/l #	1
74) N-amyl acetate	12.02	43	2616	0.564	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	77821	24.755	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6322	0.707	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	77821	68.334	ug/l #	8
95) Naphthalene	15.13	128	242	Below Cal	#	69

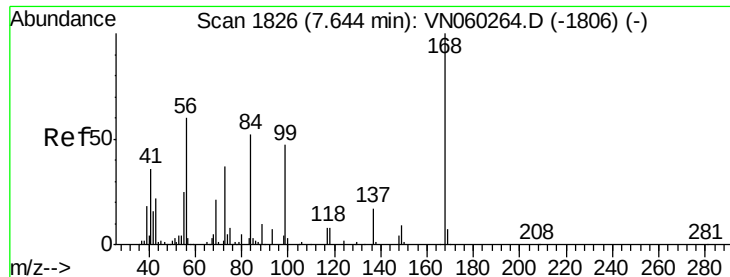
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060418.D

Acq: 10 Mar 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

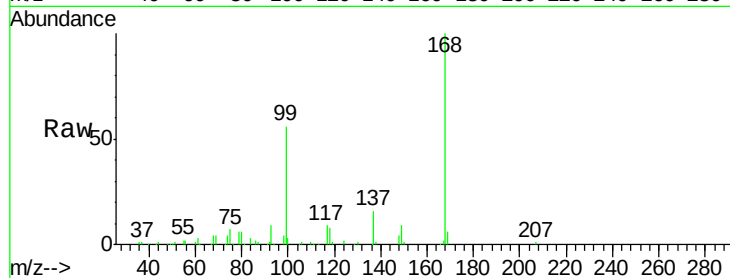
PB127392ZHE#13

Tgt Ion:168 Resp: 202758

Ion Ratio Lower Upper

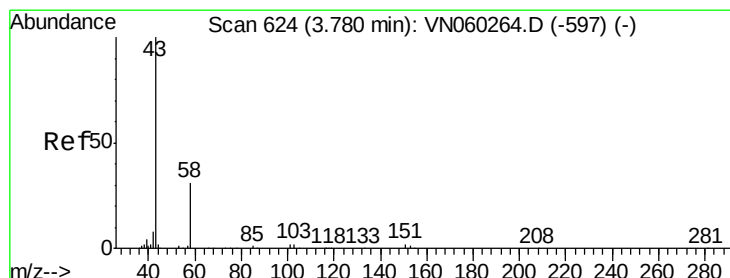
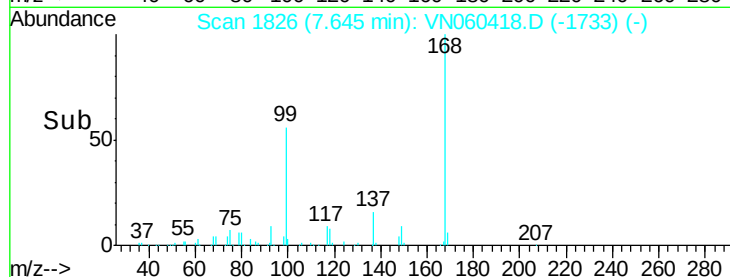
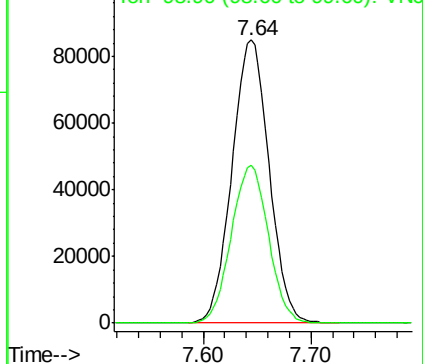
168 100

99 55.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 7.526 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060418.D

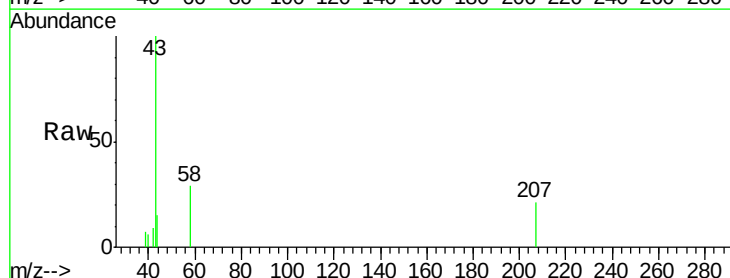
Acq: 10 Mar 2020 15:46

Tgt Ion: 43 Resp: 6322

Ion Ratio Lower Upper

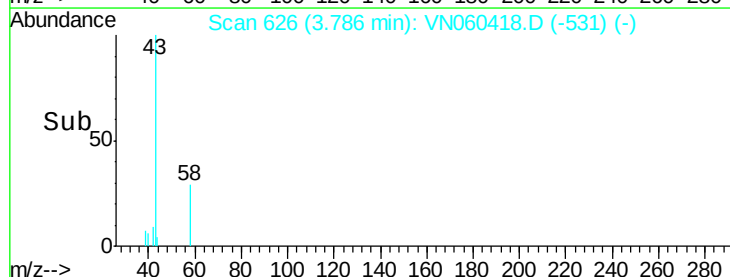
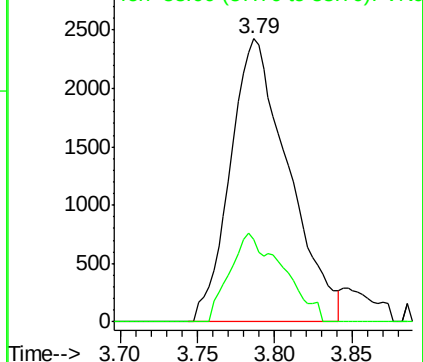
43 100

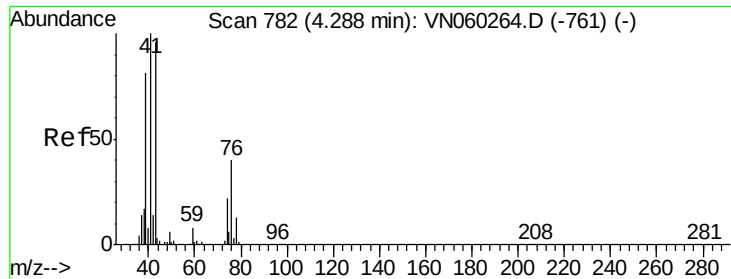
58 29.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

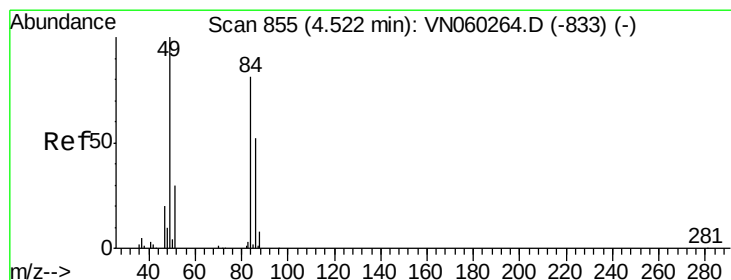
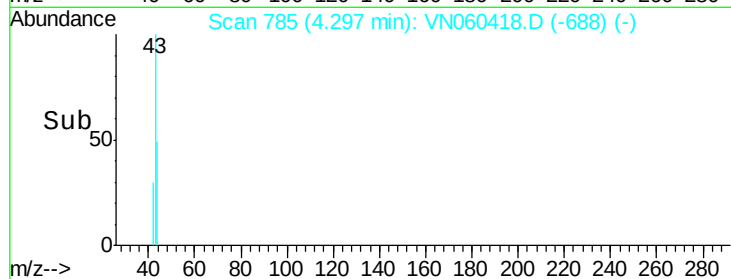
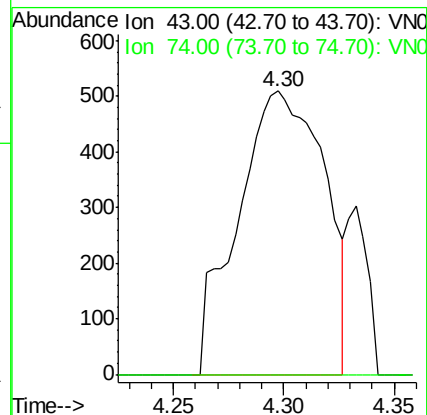
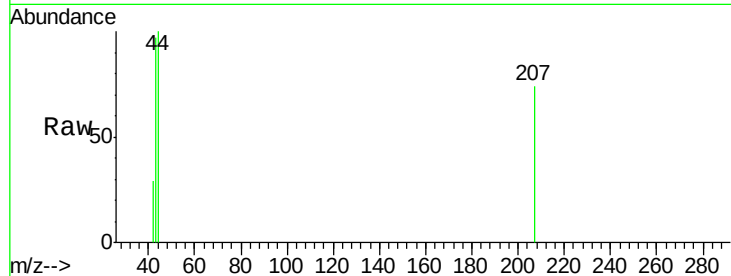




#18
Methyl Acetate
Concen: 0.495 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

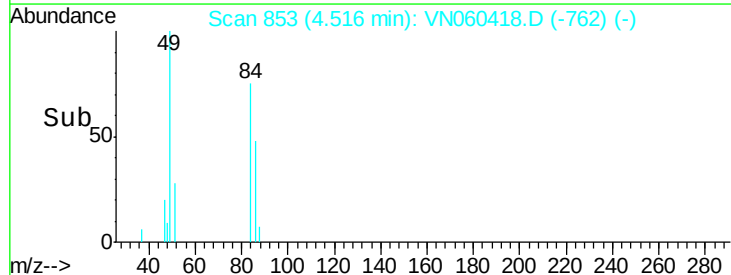
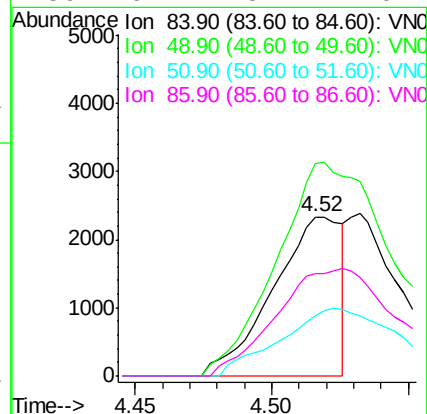
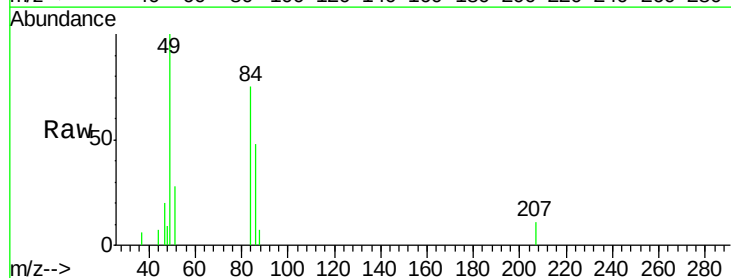
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#13

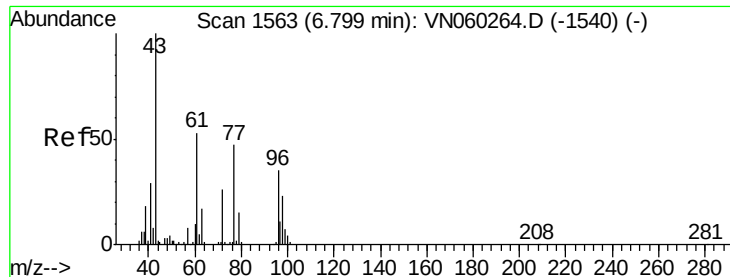
Tgt Ion: 43 Resp: 1387
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.768 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Tgt Ion: 84 Resp: 4078
Ion Ratio Lower Upper
84 100
49 133.7 99.3 148.9
51 37.9 30.1 45.1
86 64.4 51.1 76.7

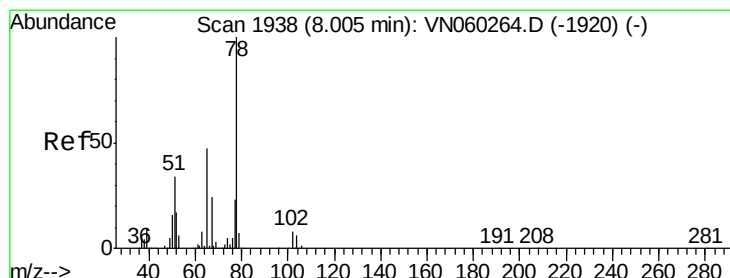
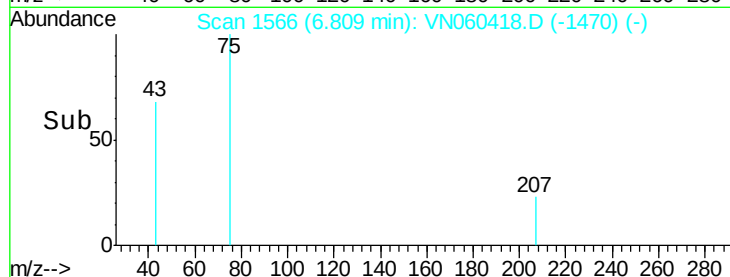
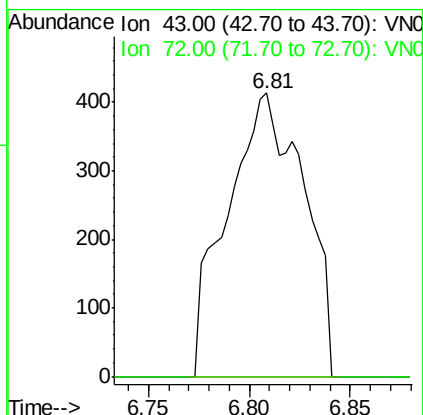
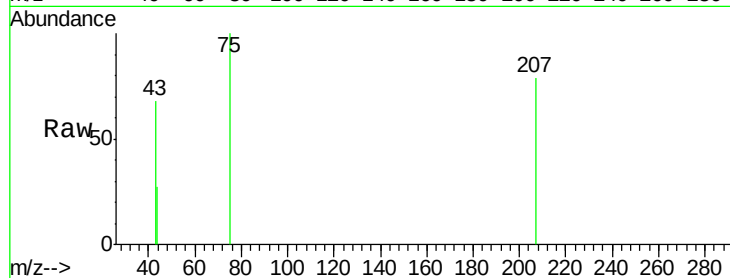




#25
 2-Butanone
 Concen: 0.802 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VN060418.D
 Acq: 10 Mar 2020 15:46

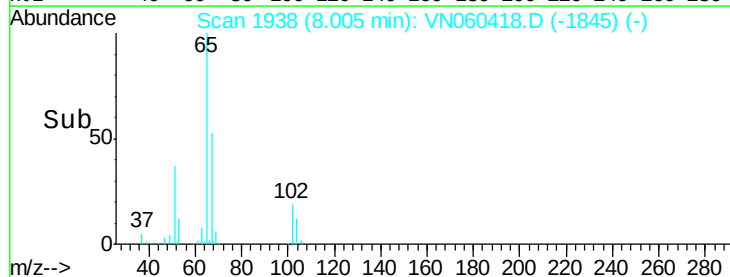
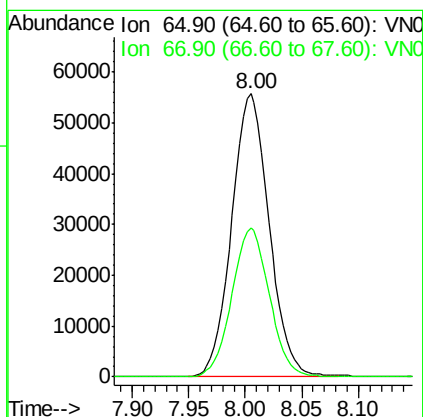
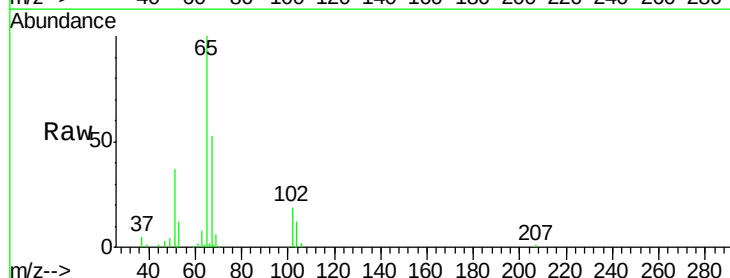
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#13

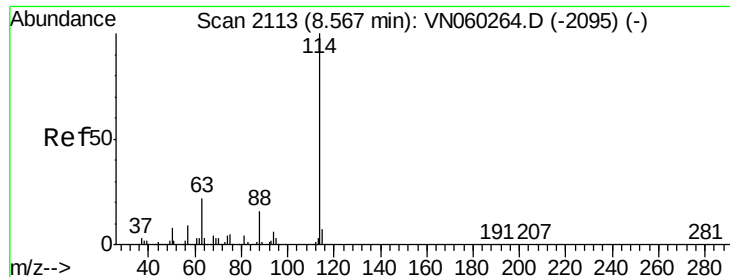
Tgt Ion: 43 Resp: 1088
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 49.452 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060418.D
 Acq: 10 Mar 2020 15:46

Tgt Ion: 65 Resp: 128645
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.8

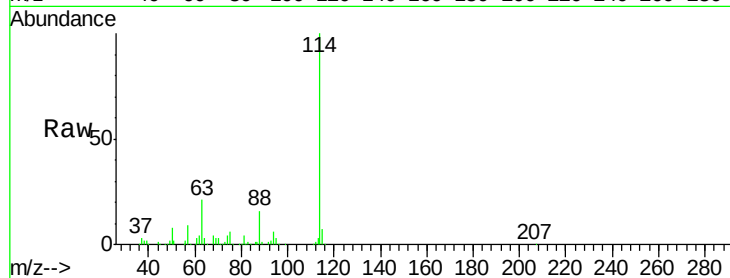




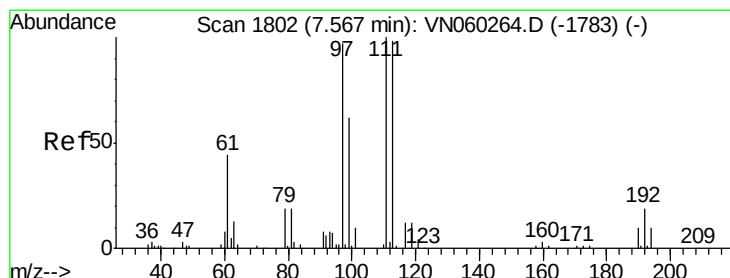
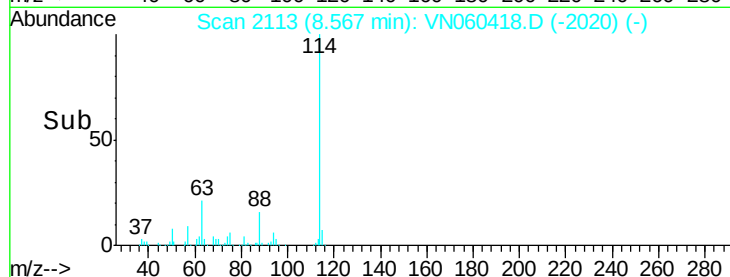
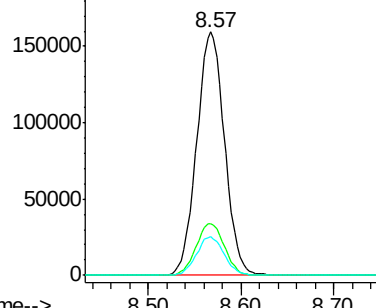
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#13

Tgt Ion:114 Resp: 331002
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 15.7 0.0 31.6

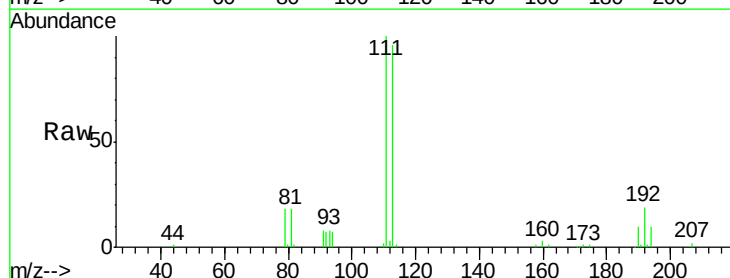


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

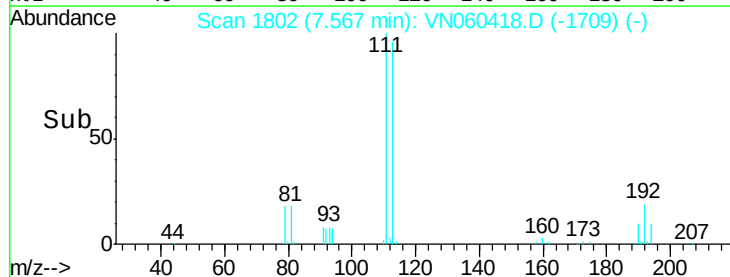
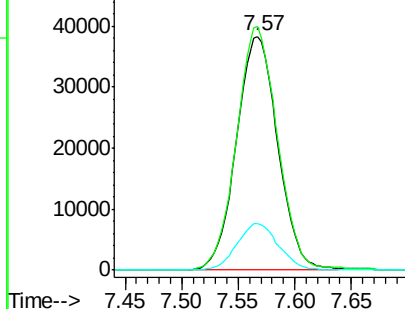


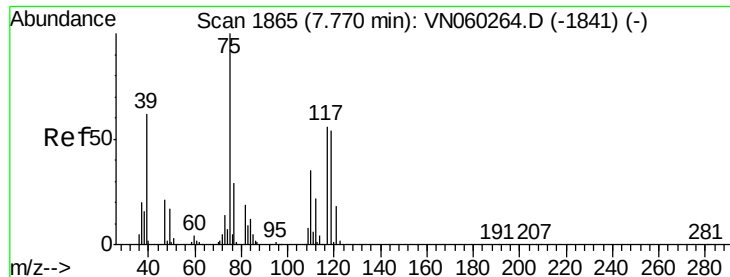
#35
Dibromofluoromethane
Concen: 63.481 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Tgt Ion:113 Resp: 97532
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 20.1 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: 4.829 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060418.D

Acq: 10 Mar 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#13

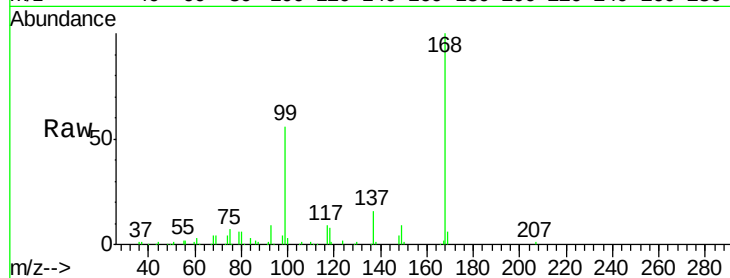
Tgt Ion: 75 Resp: 15233

Ion Ratio Lower Upper

75 100

110 9.0 17.3 52.0#

77 0.0 24.2 36.2#

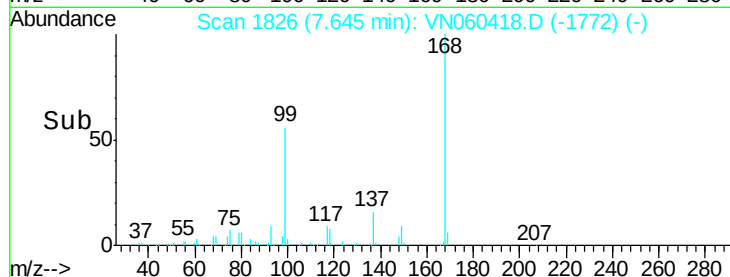


Abundance Ion 74.90 (74.60 to 75.60): VN060418.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060418.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060418.D (-1772) (-)

Time--> 7.55 7.60 7.65 7.70

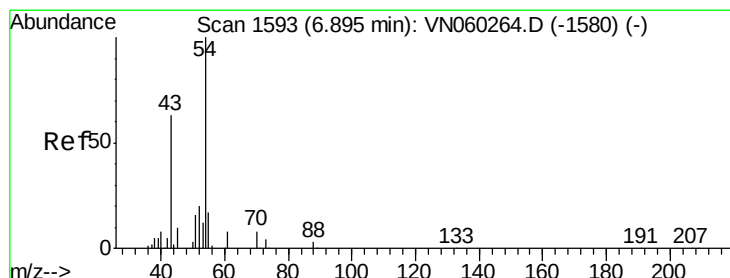


Abundance Ion 74.90 (74.60 to 75.60): VN060418.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060418.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060418.D (-1772) (-)

Time--> 7.55 7.60 7.65 7.70



#37

Ethyl Acetate

Concen: 0.364 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.09 min

Lab File: VN060418.D

Acq: 10 Mar 2020 15:46

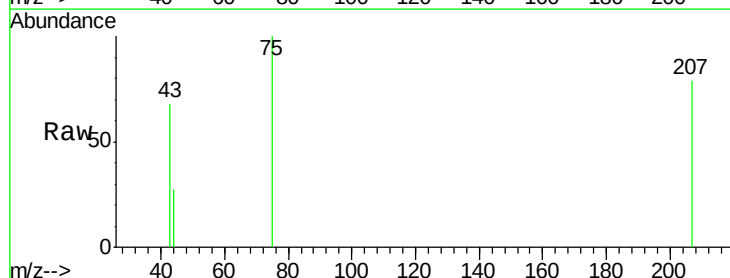
Tgt Ion: 43 Resp: 1088

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#

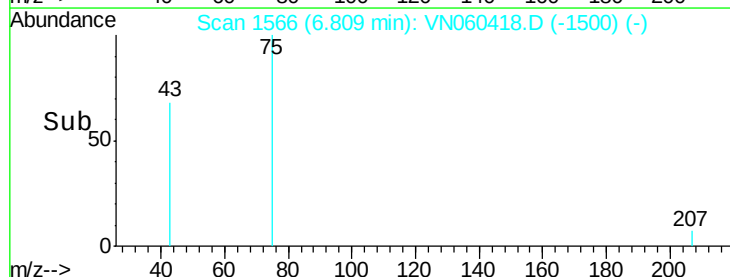


Abundance Ion 43.00 (42.70 to 43.70): VN060418.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060418.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060418.D (-1500) (-)

Time--> 6.75 6.80 6.85

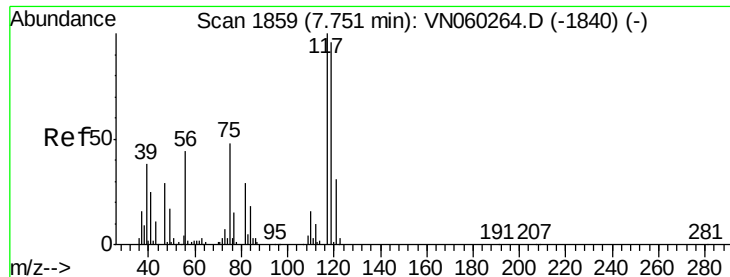


Abundance Ion 43.00 (42.70 to 43.70): VN060418.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060418.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060418.D (-1500) (-)

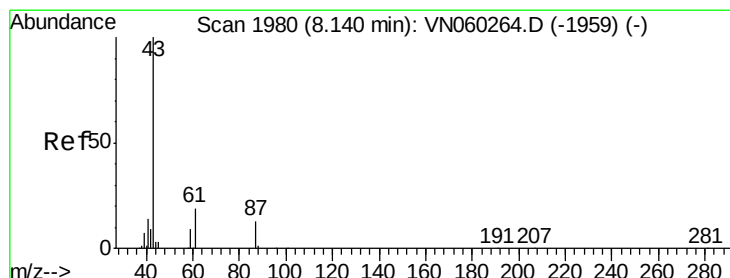
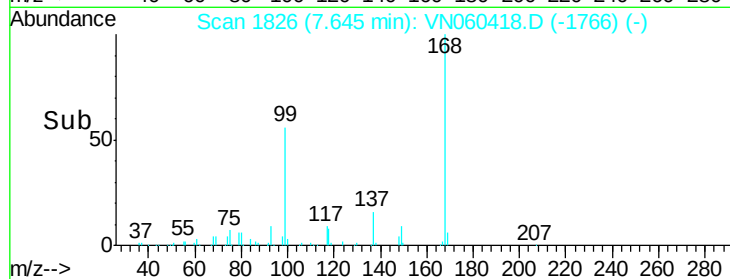
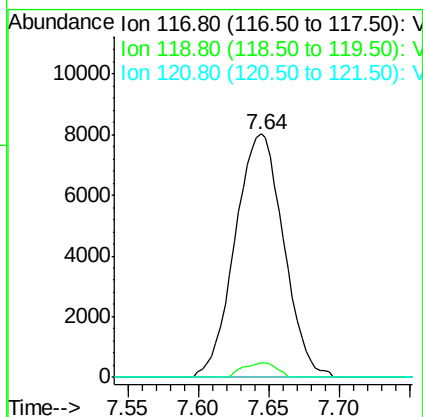
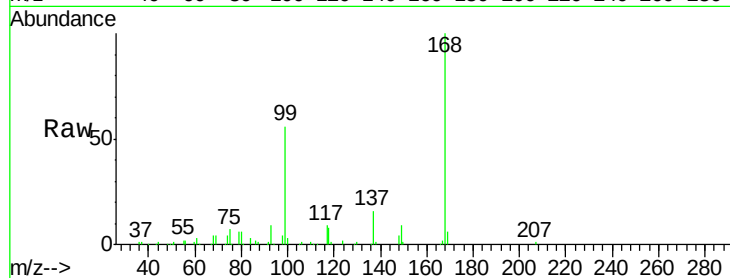
Time--> 6.75 6.80 6.85



#38
Carbon Tetrachloride
Concen: 6.286 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

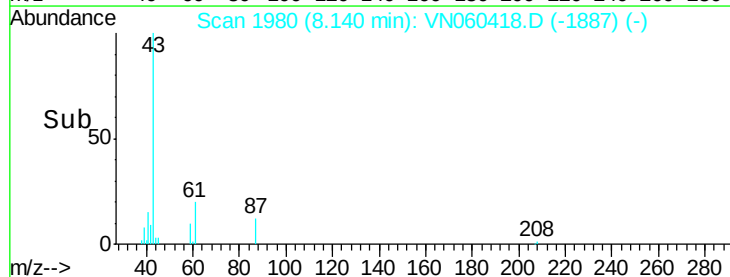
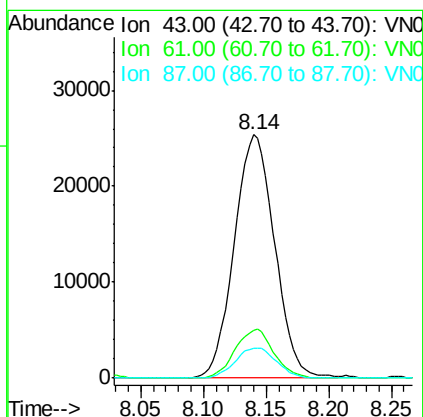
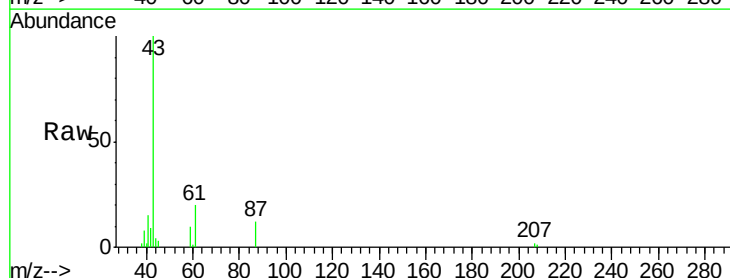
Instrument :
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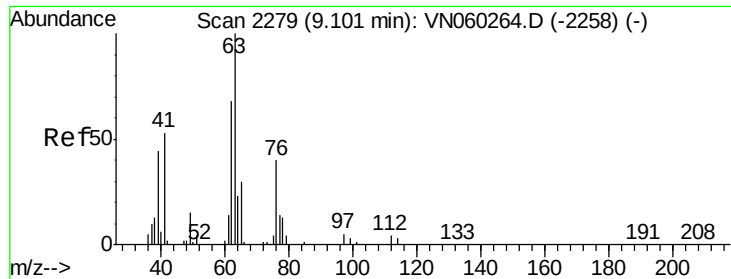
Tgt Ion:117 Resp: 19306
Ion Ratio Lower Upper
117 100
119 5.7 76.7 115.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 10.864 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Tgt Ion: 43 Resp: 56812
Ion Ratio Lower Upper
43 100
61 19.2 20.9 31.3#
87 12.5 10.6 16.0

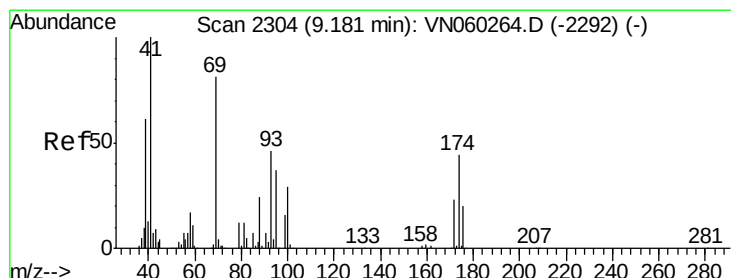
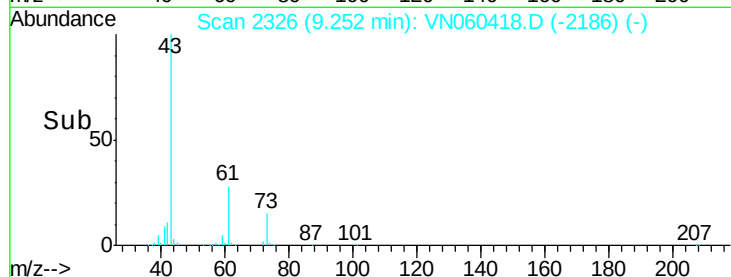
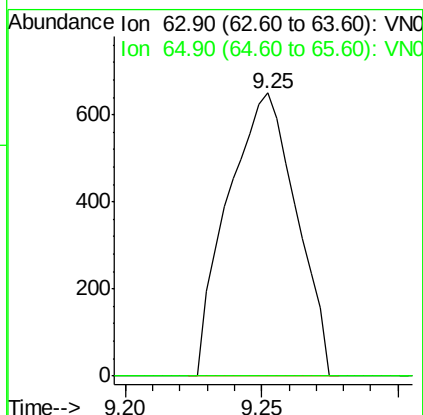
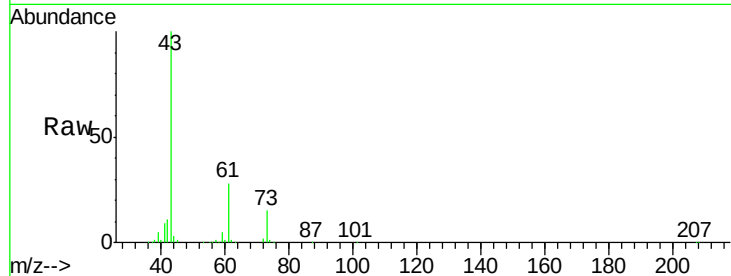




#45
 1,2-Dichloropropane
 Concen: 0.470 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060418.D
 Acq: 10 Mar 2020 15:46

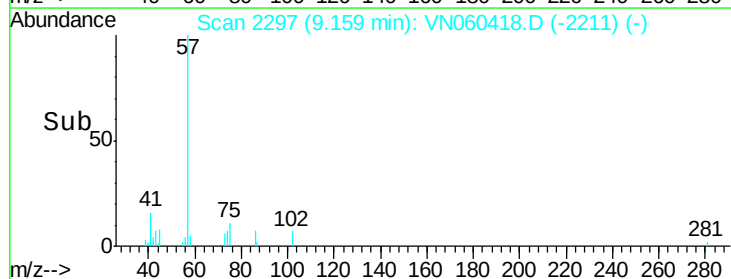
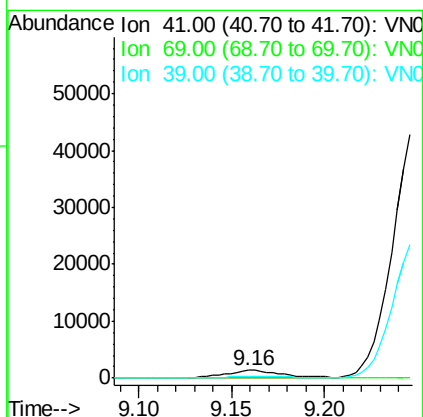
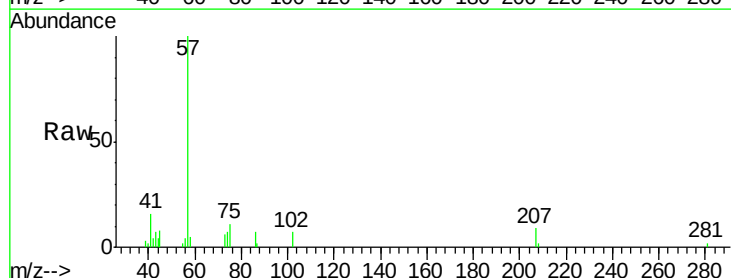
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#13

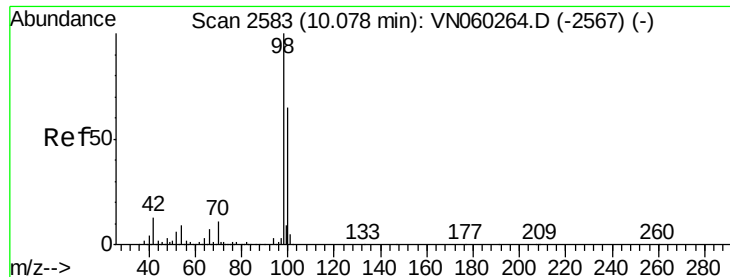
Tgt Ion: 63 Resp: 1128
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.197 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060418.D
 Acq: 10 Mar 2020 15:46

Tgt Ion: 41 Resp: 2855
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.399 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060418.D

Acq: 10 Mar 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

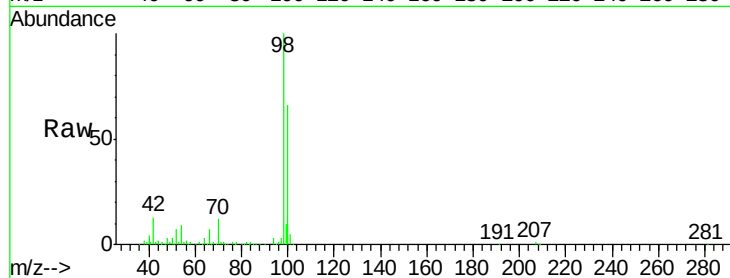
PB127392ZHE#13

Tgt Ion: 98 Resp: 407451

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

250000

200000

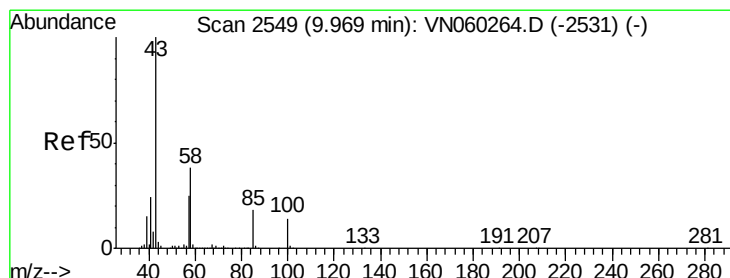
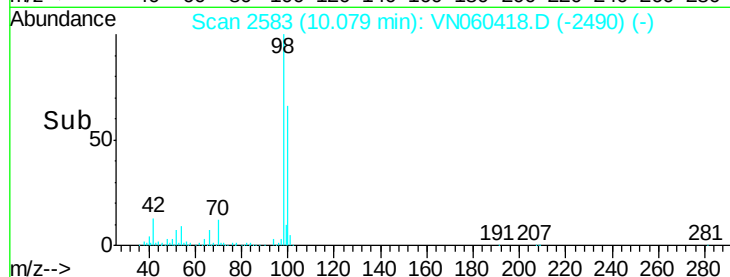
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.478 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060418.D

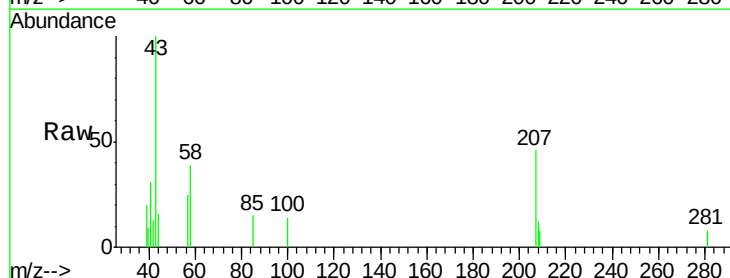
Acq: 10 Mar 2020 15:46

Tgt Ion: 43 Resp: 4382

Ion Ratio Lower Upper

43 100

58 32.9 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

5000

4000

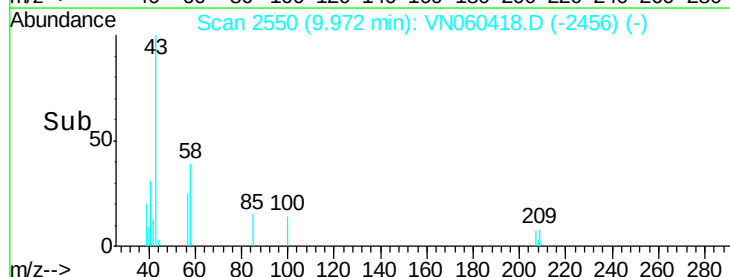
3000

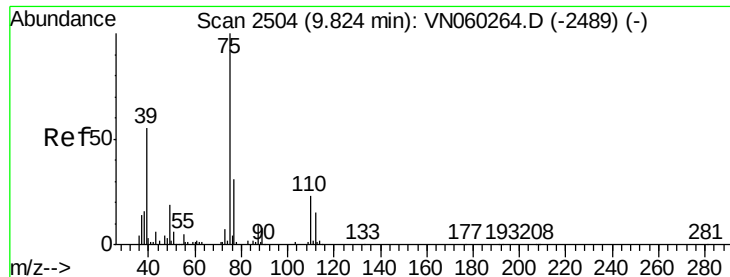
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.056 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060418.D

Acq: 10 Mar 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#13

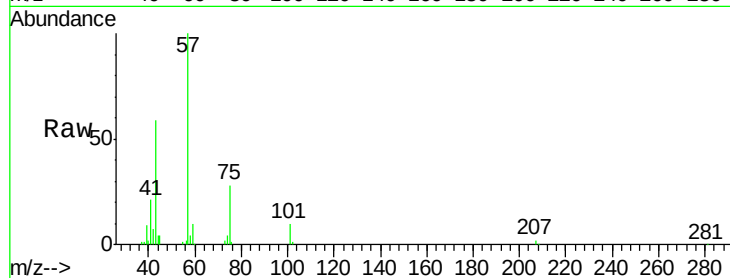
Tgt Ion: 75 Resp: 24358

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

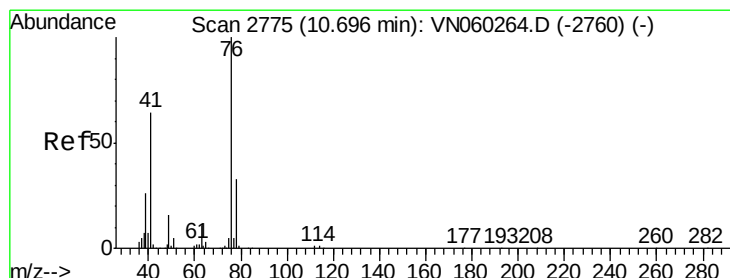
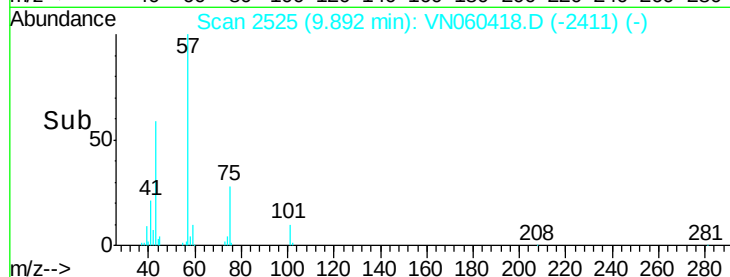
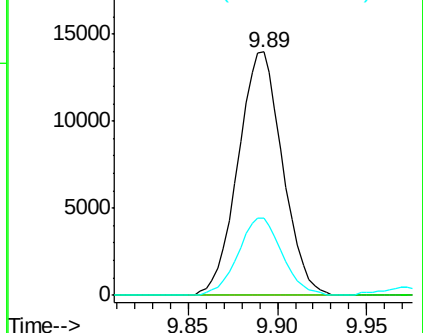
39 31.6 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060418.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060418.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060418.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 1.050 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060418.D

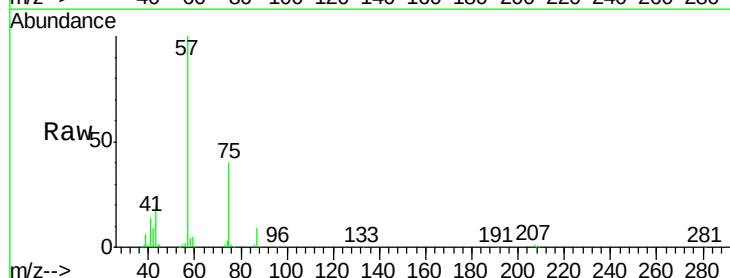
Acq: 10 Mar 2020 15:46

Tgt Ion: 76 Resp: 3970

Ion Ratio Lower Upper

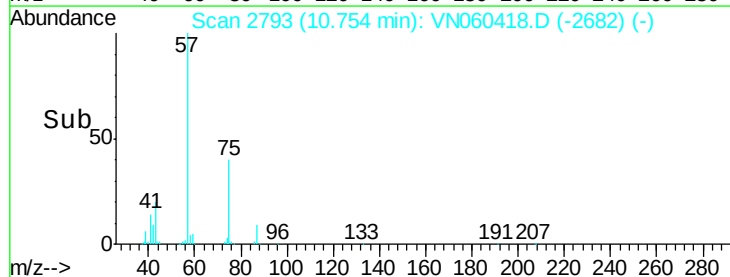
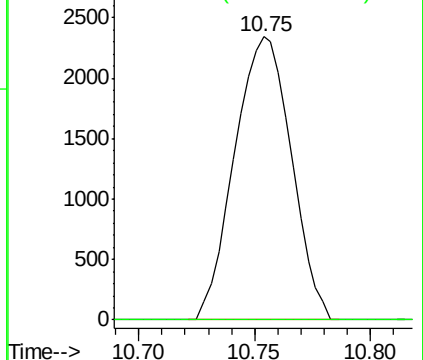
76 100

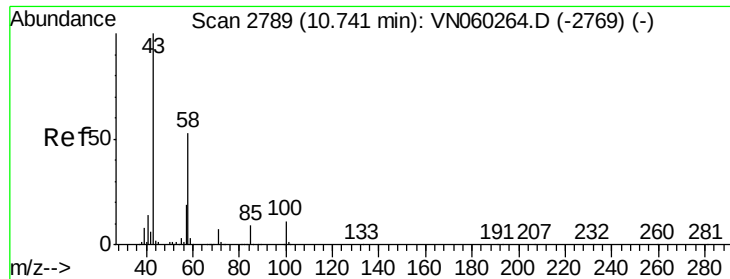
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060418.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060418.D (-2682) (-)

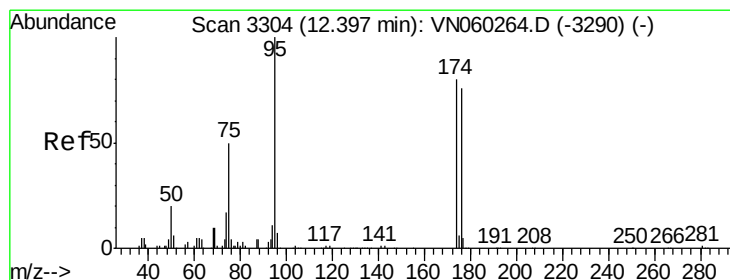
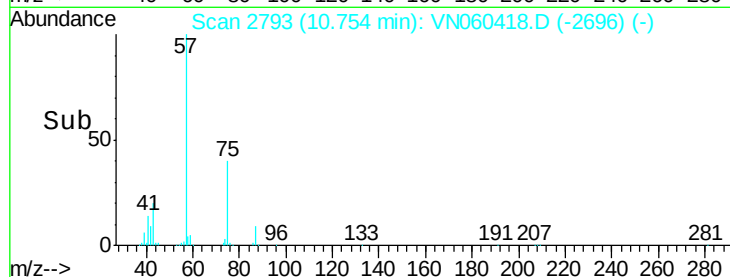
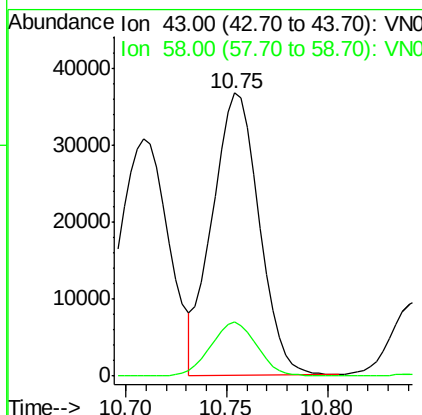
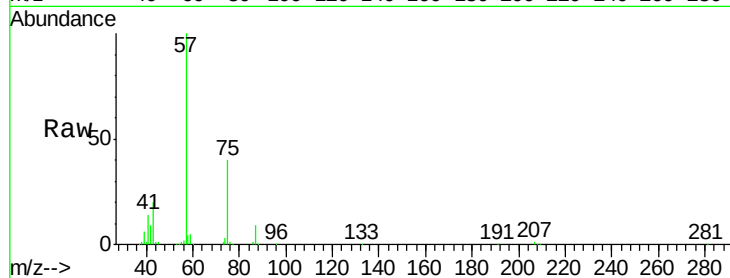




#59
2-Hexanone
Concen: 27.285 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

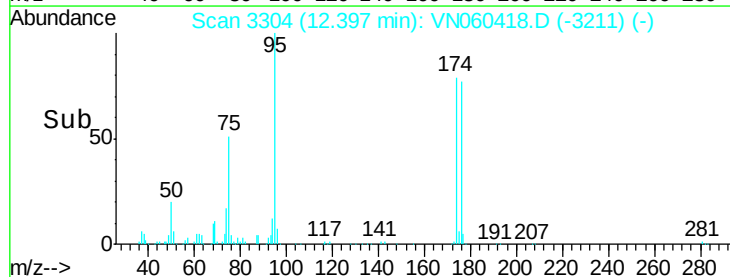
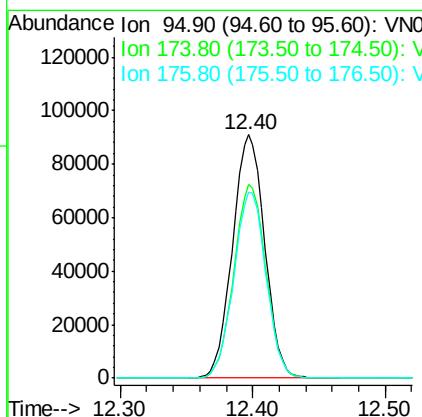
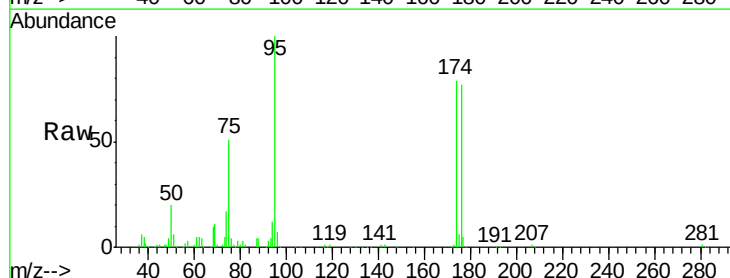
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#13

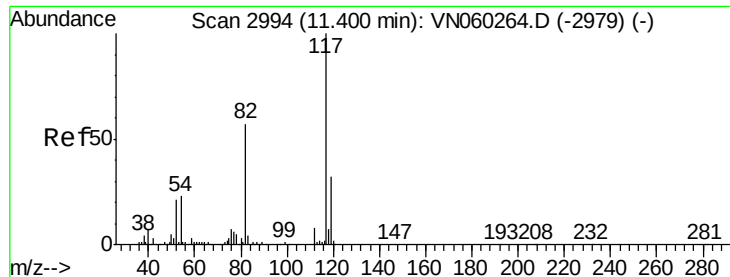
Tgt Ion: 43 Resp: 59398
Ion Ratio Lower Upper
43 100
58 18.9 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.950 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Tgt Ion: 95 Resp: 153130
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 76.6 0.0 153.8

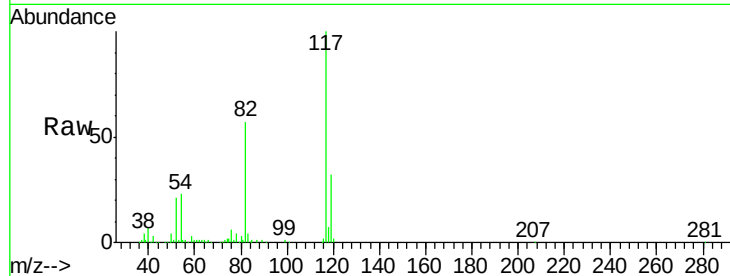




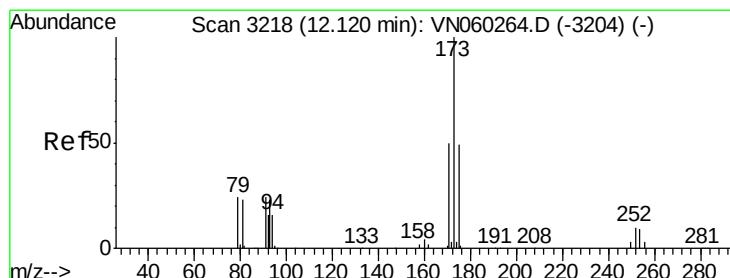
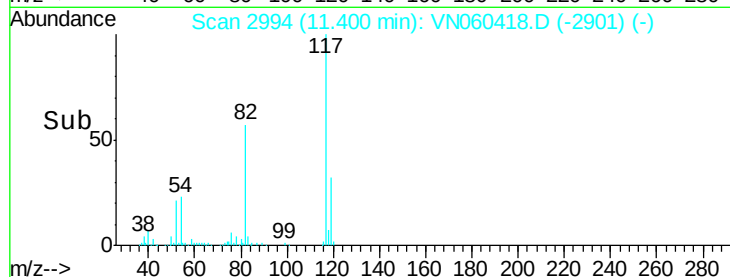
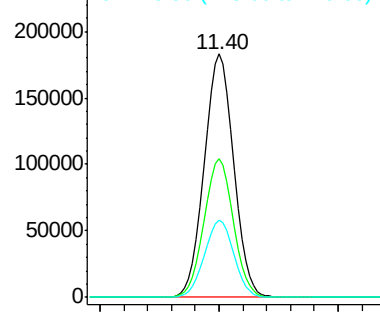
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#13

Tgt Ion:117 Resp: 313529
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.6
119 31.9 25.8 38.8

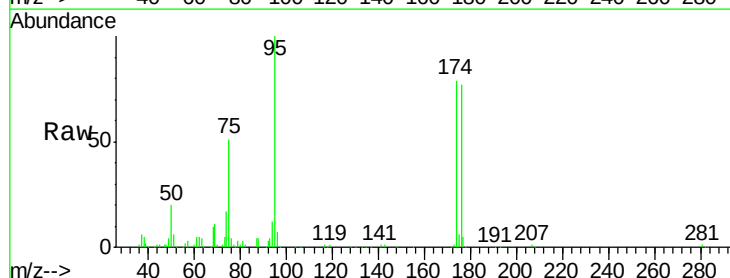


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

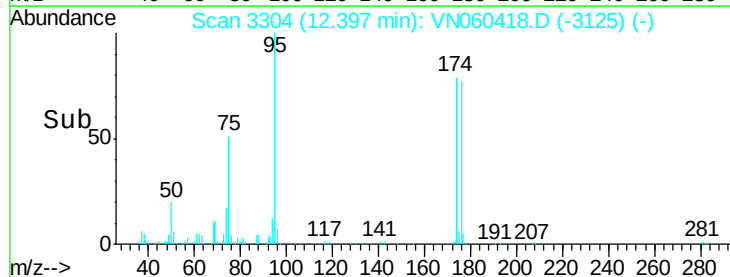
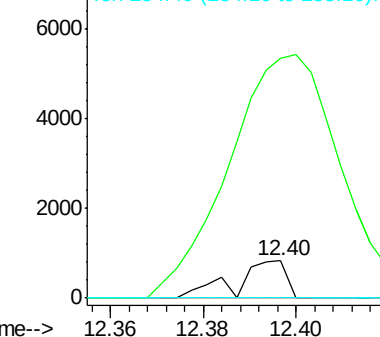


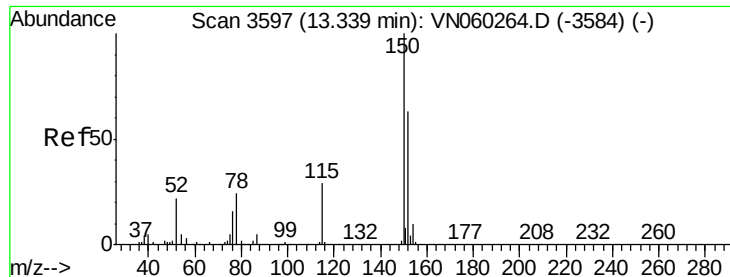
#71
Bromoform
Concen: 0.375 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Tgt Ion:173 Resp: 632
Ion Ratio Lower Upper
173 100
175 1200.3 24.1 72.2#
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# 3597

Delta R.T. 0.00 min

Lab File: VN060418.D

Acq: 10 Mar 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#13

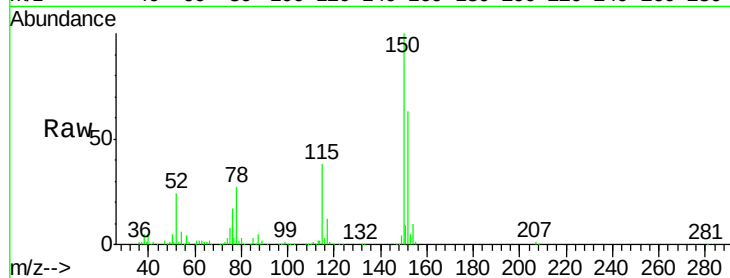
Tgt Ion:152 Resp: 143286

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

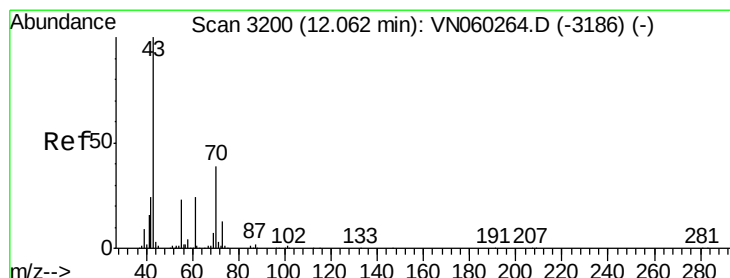
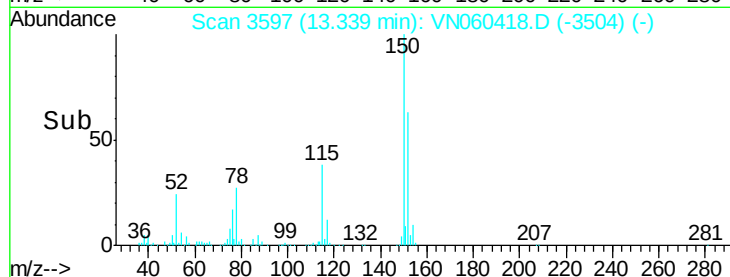
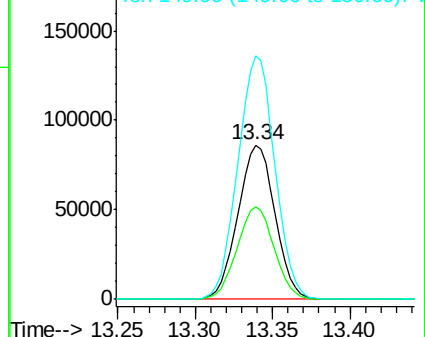
150 157.7 0.0 349.6



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: 0.564 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060418.D

Acq: 10 Mar 2020 15:46

Tgt Ion: 43 Resp: 2616

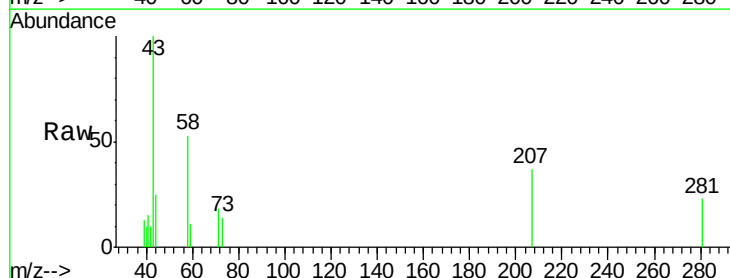
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

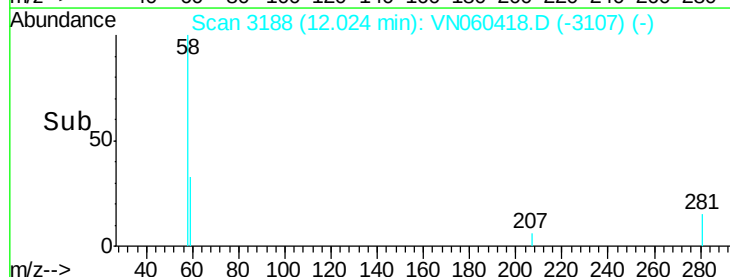
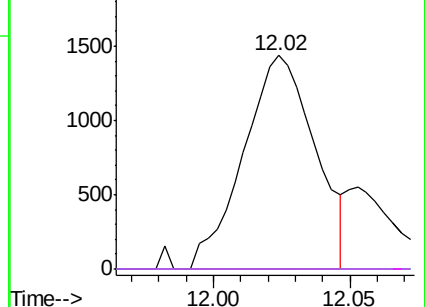


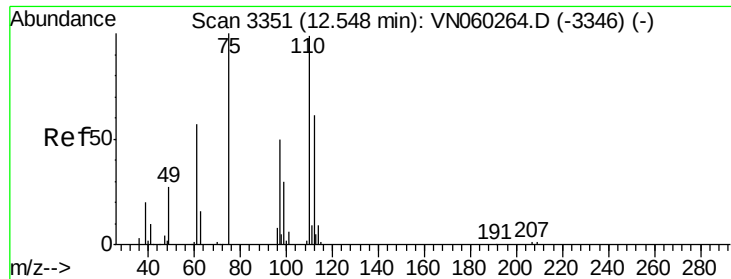
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.755 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060418.D

Acq: 10 Mar 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

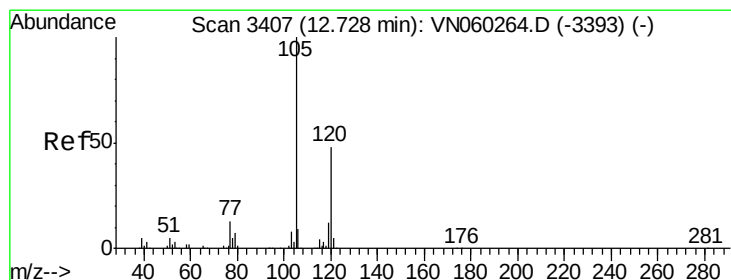
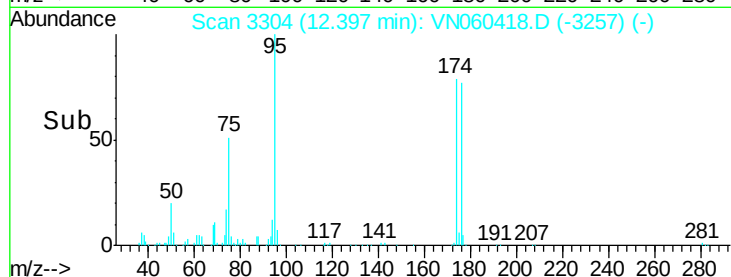
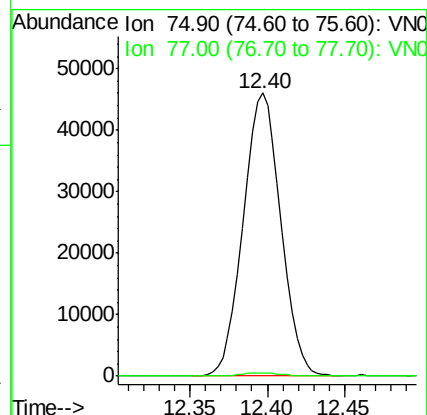
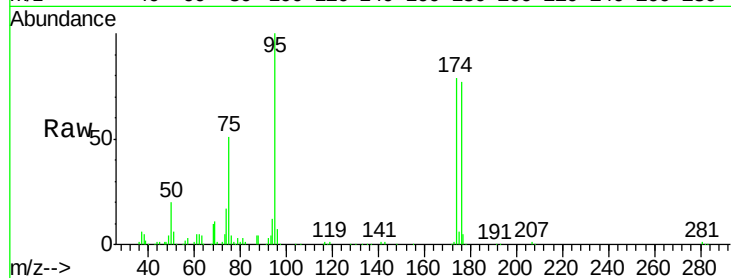
PB127392ZHE#13

Tgt Ion: 75 Resp: 77821

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.707 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060418.D

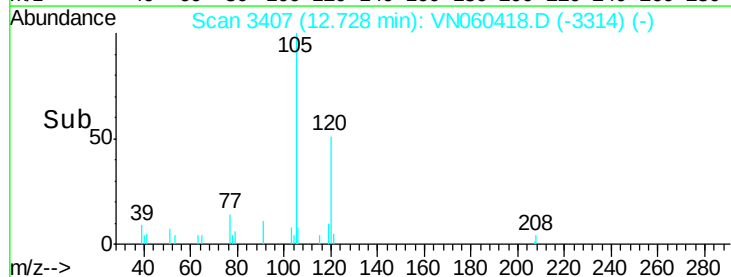
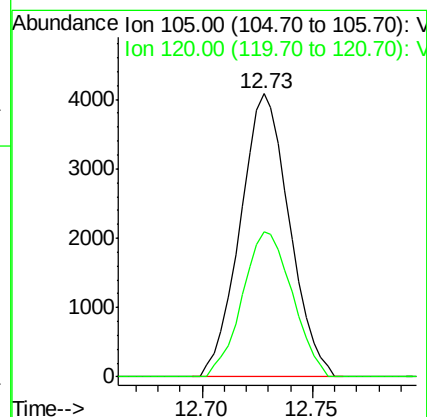
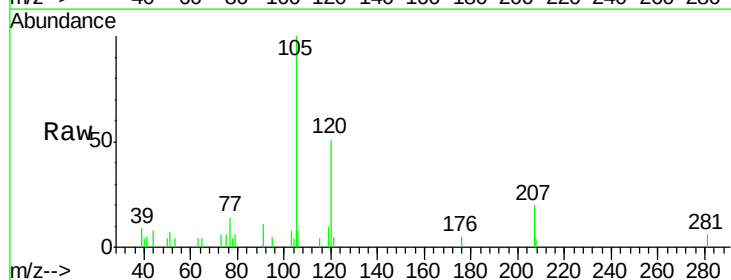
Acq: 10 Mar 2020 15:46

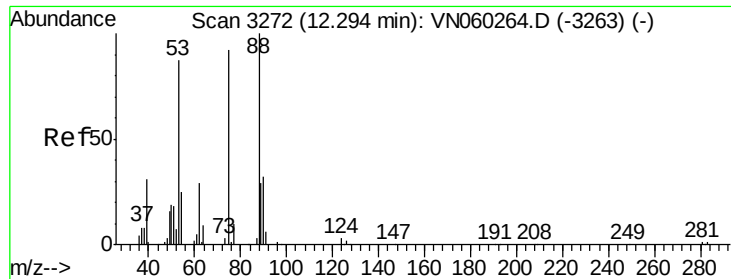
Tgt Ion: 105 Resp: 6322

Ion Ratio Lower Upper

105 100

120 51.9 24.1 72.4

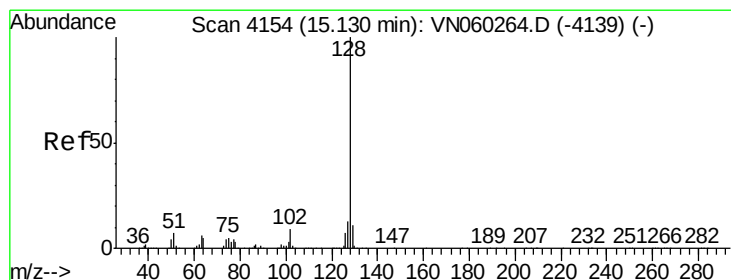
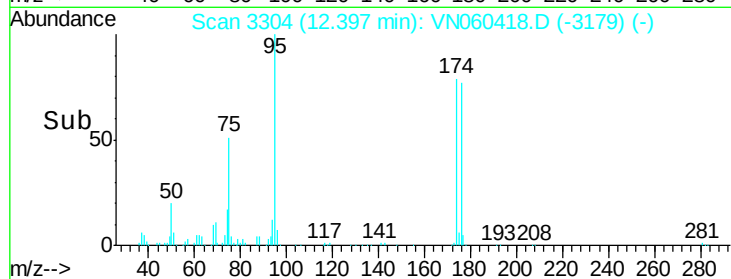
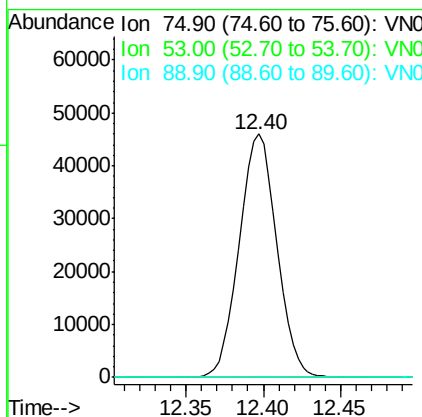
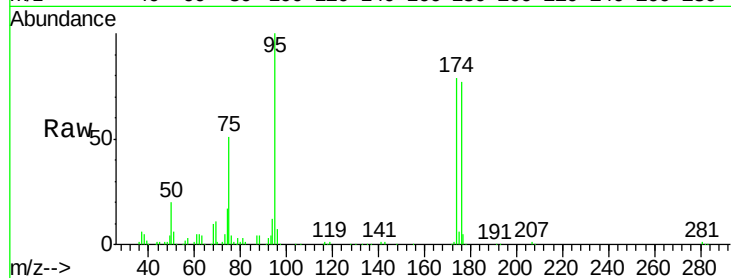




#81
trans-1,4-Dichloro-2-butene
Concen: 68.334 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#13

Tgt Ion: 75 Resp: 77821
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060418.D
Acq: 10 Mar 2020 15:46

Tgt Ion: 128 Resp: 242
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

