

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060518.D
 Acq On : 16 Mar 2020 13:21
 Operator : JC/MD
 Sample : PB127539TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127539TB

Quant Time: Mar 17 08:43:27 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	190333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	310112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116147	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	119322	48.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.72%	
35) Dibromofluoromethane	7.56	113	90410	62.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	125.62%	
50) Toluene-d8	10.08	98	376191	51.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	131926	47.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.54%	

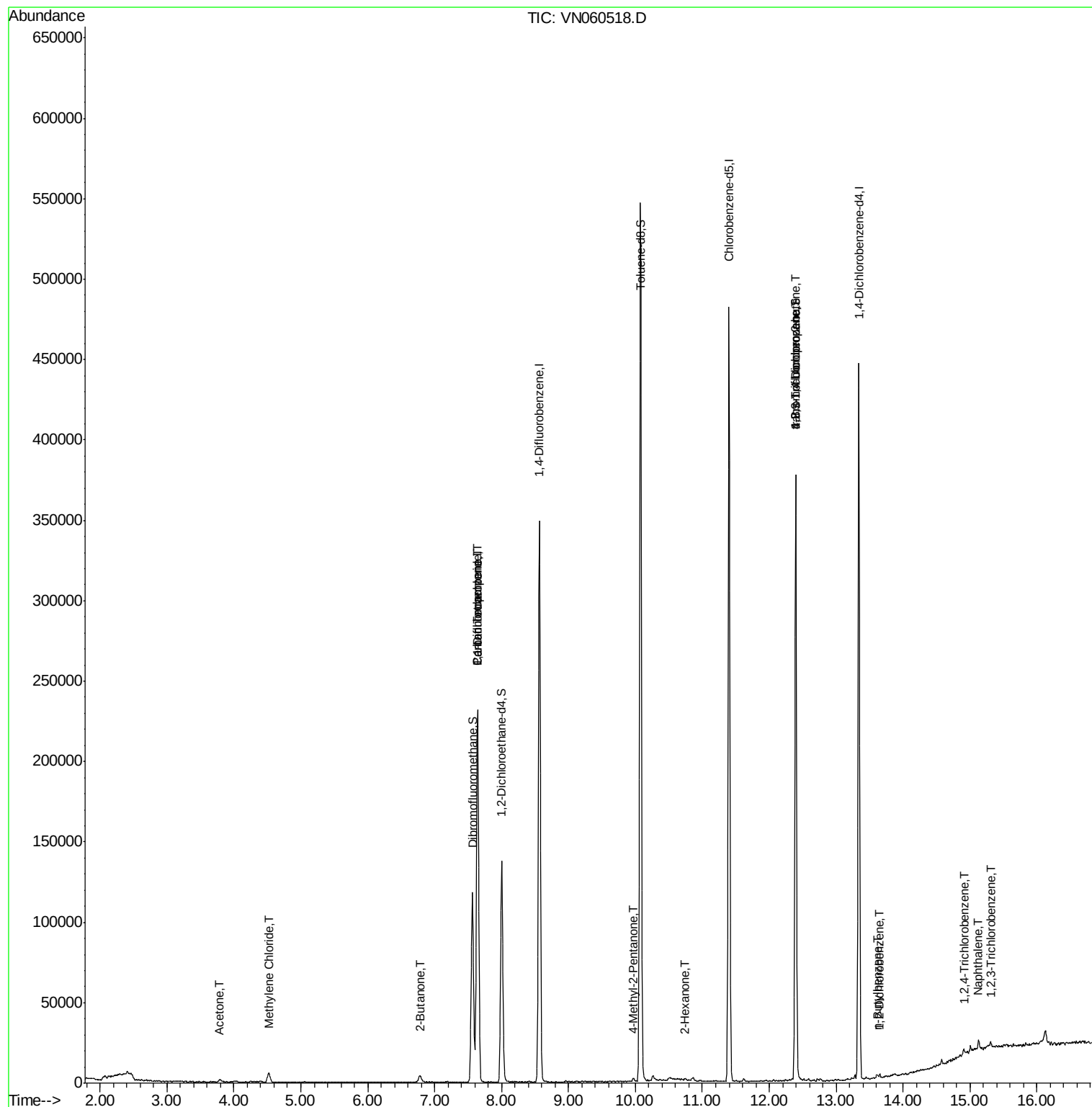
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	2967	3.762	ug/l	98
17) Carbon Disulfide	4.03	76	1007	Below Cal	#	75
20) Methylene Chloride	4.52	84	4244	1.960	ug/l #	93
25) 2-Butanone	6.80	43	277	0.217	ug/l #	49
31) Cyclohexane	7.64	56	3970	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14942	5.056	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18103	6.291	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	1628	0.586	ug/l	89
59) 2-Hexanone	10.74	43	1031	0.506	ug/l	85
76) 1,2,3-Trichloropropane	12.39	75	67244	26.388	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	67244	72.843	ug/l #	8
88) 1,4-Dichlorobenzene	13.28	146	858	Below Cal		92
89) n-Butylbenzene	13.61	91	1768	0.248	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	829	0.224	ug/l	88
93) 1,2,4-Trichlorobenzene	14.91	180	1378	0.674	ug/l	94
94) Hexachlorobutadiene	15.01	225	606	Below Cal		91
95) Naphthalene	15.13	128	5485	0.524	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	1670	0.575	ug/l	87

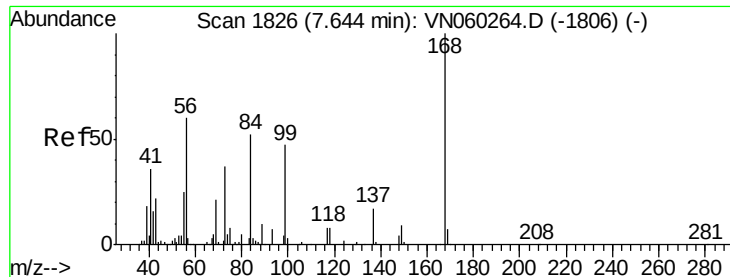
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1825

Delta R.T. -0.00 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

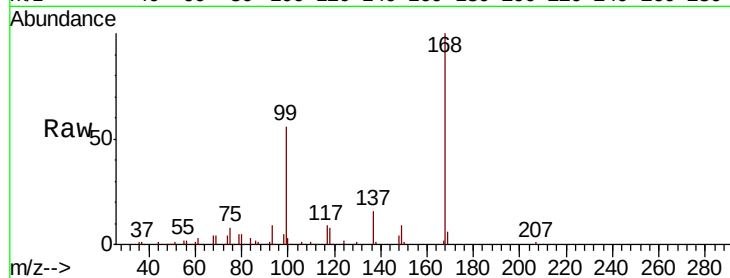
PB127539TB

Tot Ion:168 Resp: 190333

Ion Ratio Lower Upper

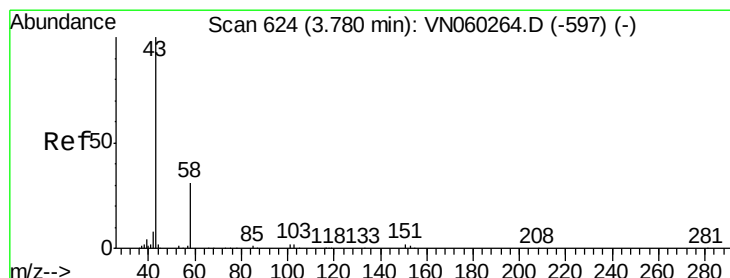
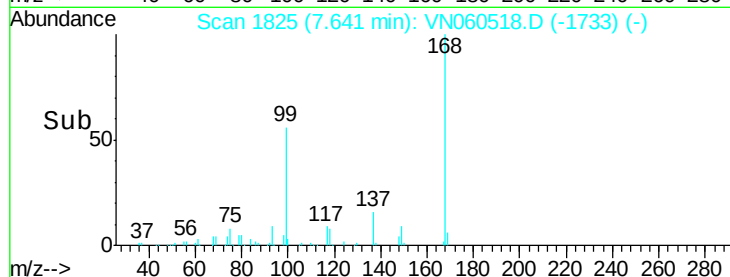
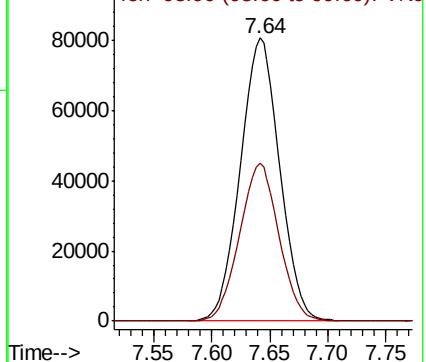
168 100

99 56.0 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: 3.762 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060518.D

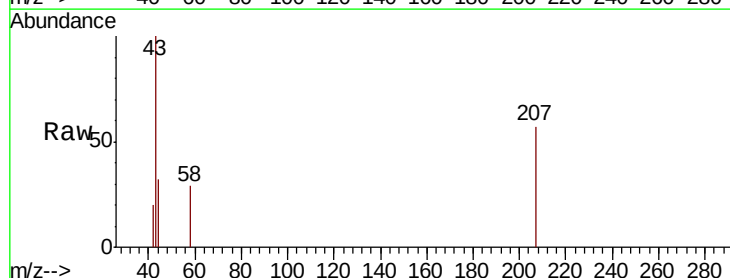
Acq: 16 Mar 2020 13:21

Tgt Ion: 43 Resp: 2967

Ion Ratio Lower Upper

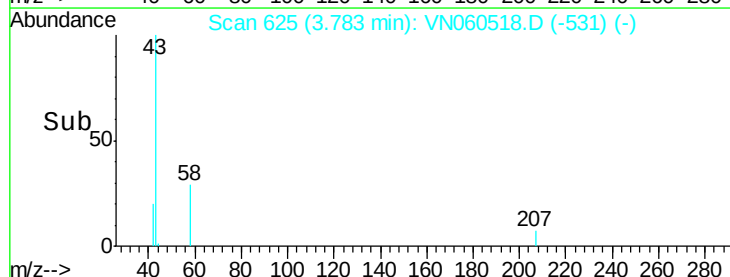
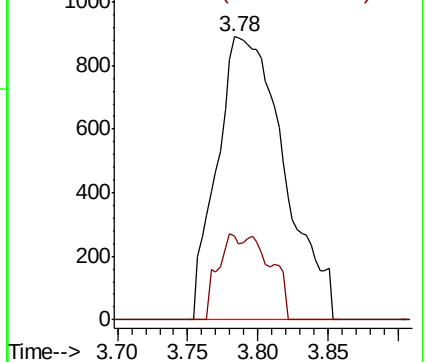
43 100

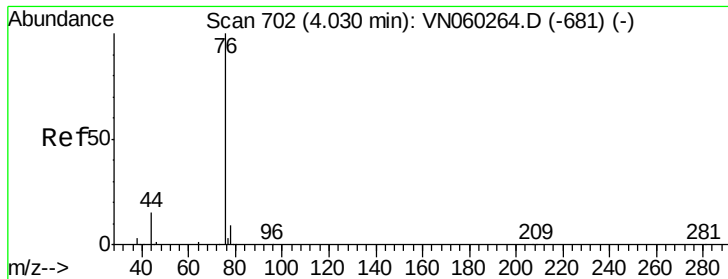
58 29.4 24.6 36.8



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: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

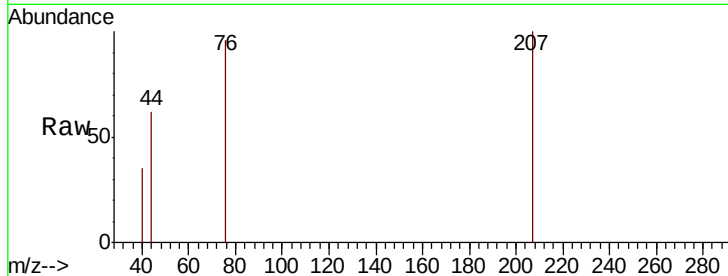
PB127539TB

Tot Ion: 76 Resp: 1007

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060518.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060518.D (-609) (-)

4.03

500

400

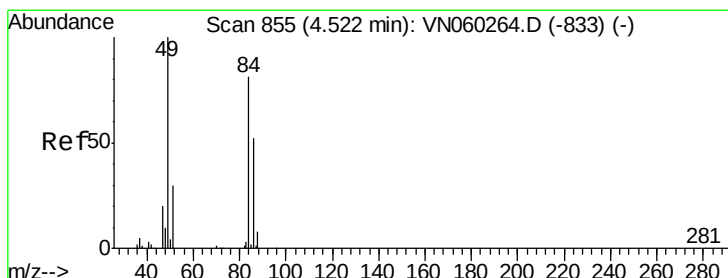
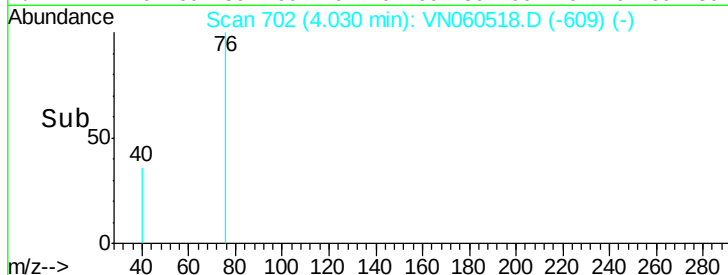
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 1.960 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.01 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

Tgt Ion: 84 Resp: 4244

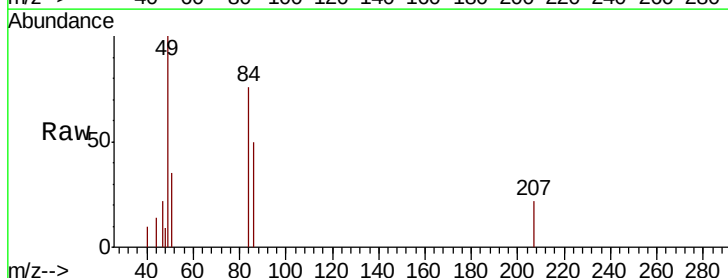
Ion Ratio Lower Upper

84 100

49 131.7 99.3 148.9

51 46.7 30.1 45.1#

86 65.5 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VN060518.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060518.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN060518.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060518.D (-762) (-)

3000

2500

2000

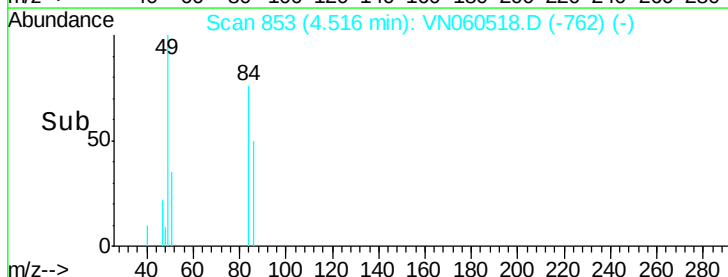
1500

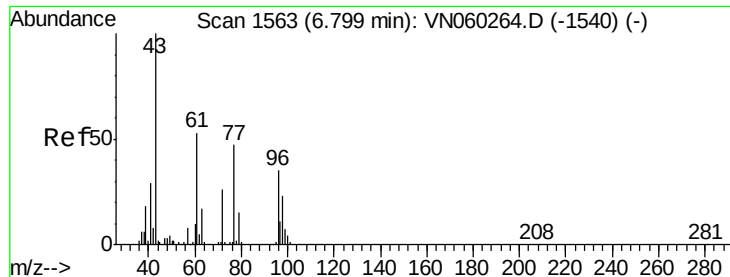
1000

500

0

Time-->

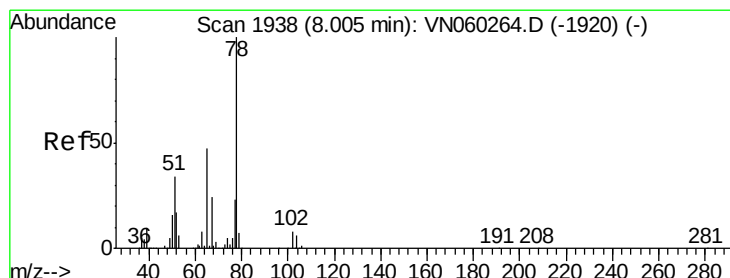
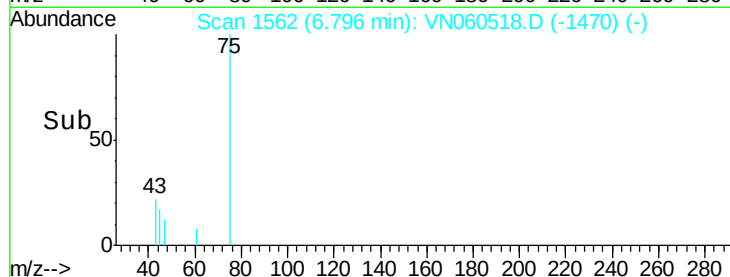
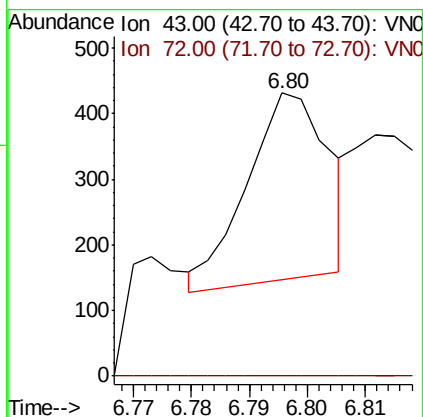
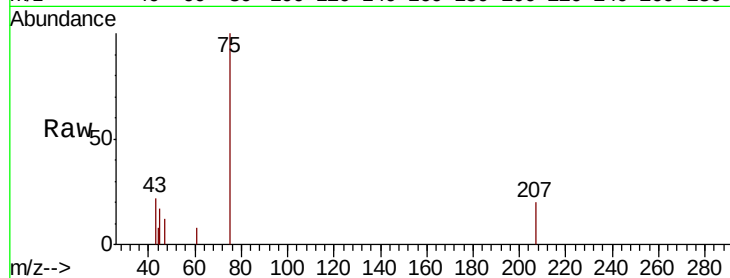




#25
 2-Butanone
 Concen: 0.217 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060518.D
 Acq: 16 Mar 2020 13:21

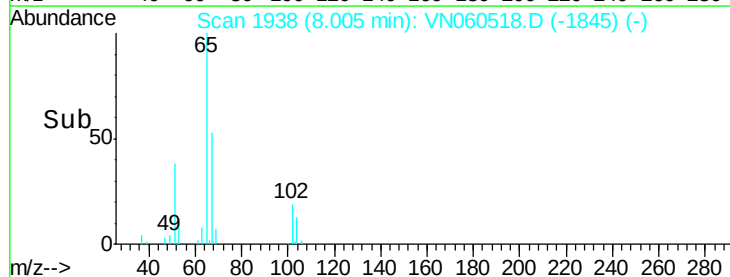
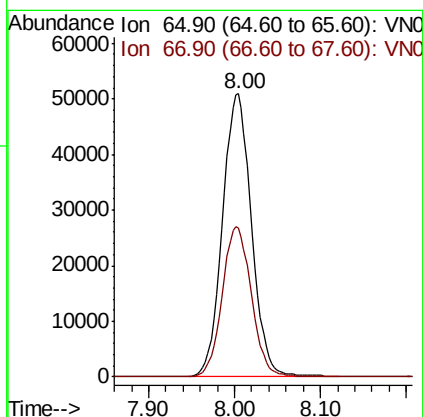
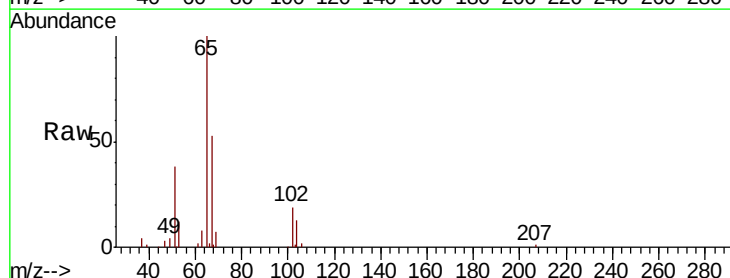
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127539TB

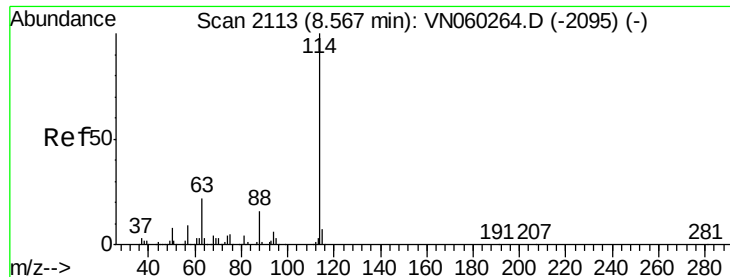
Tot Ion: 43 Resp: 277
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 48.862 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060518.D
 Acq: 16 Mar 2020 13:21

Tgt Ion: 65 Resp: 119322
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.8

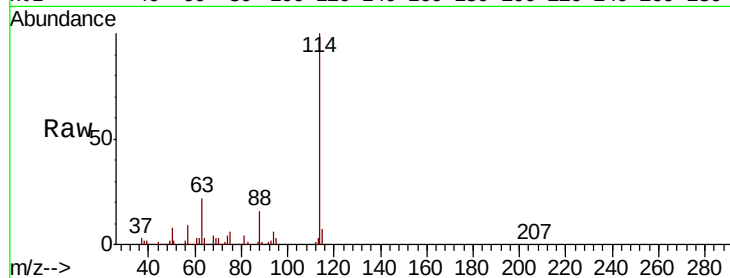




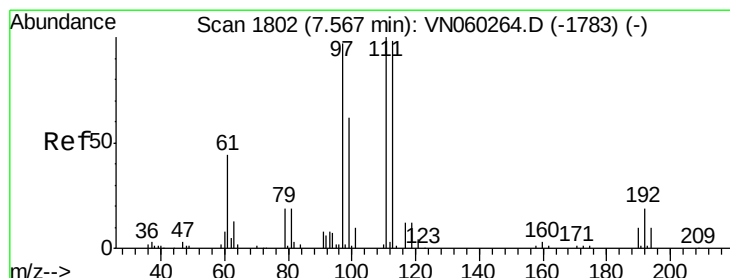
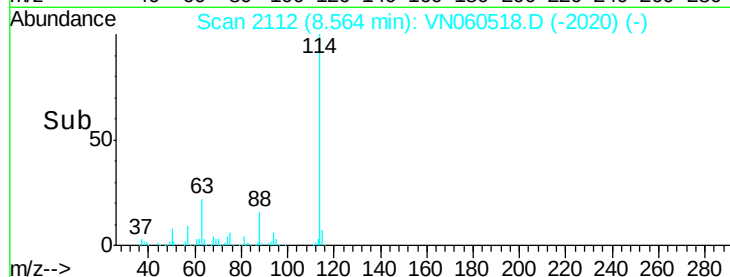
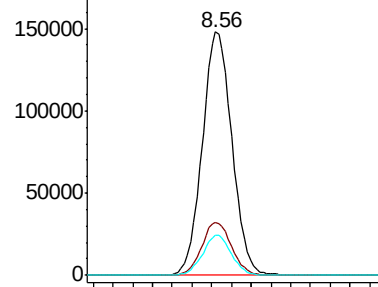
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN060518.D
Acq: 16 Mar 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
PB127539TB

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.5	0.0	31.6

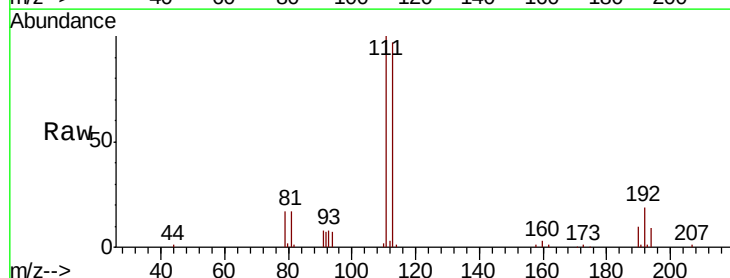


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

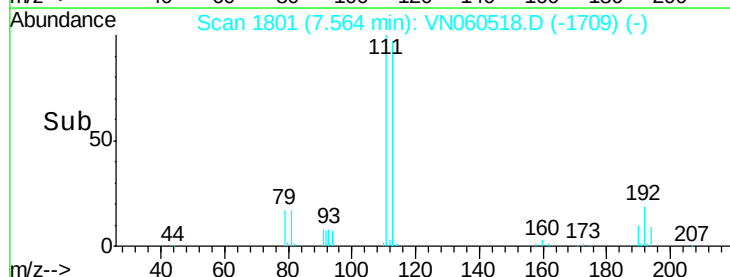
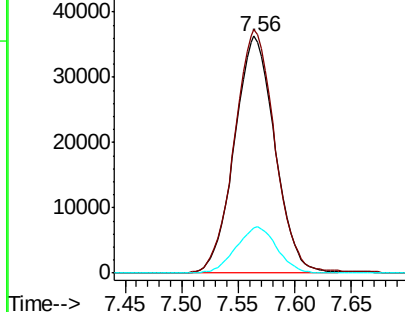


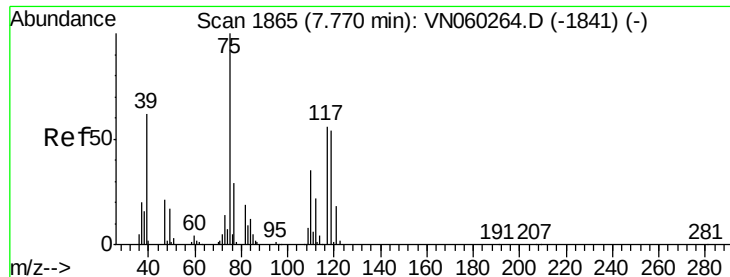
#35
Dibromofluoromethane
Concen: 62.809 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060518.D
Acq: 16 Mar 2020 13:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	19.5	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: 5.056 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

PB127539TB

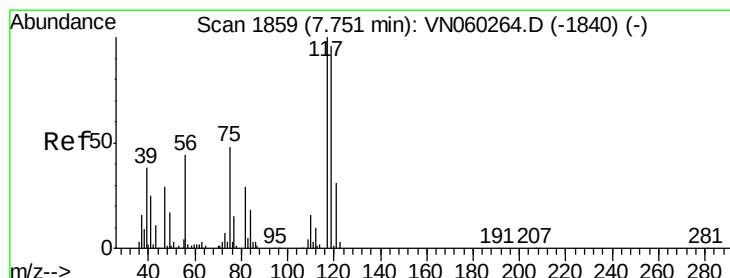
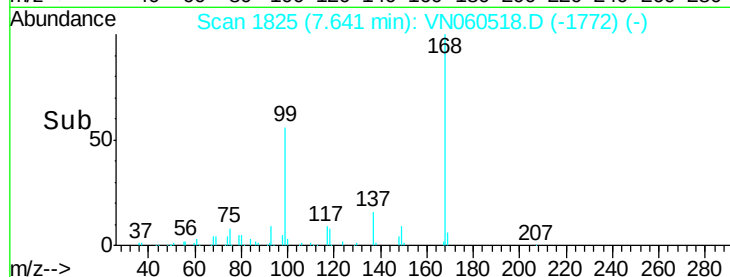
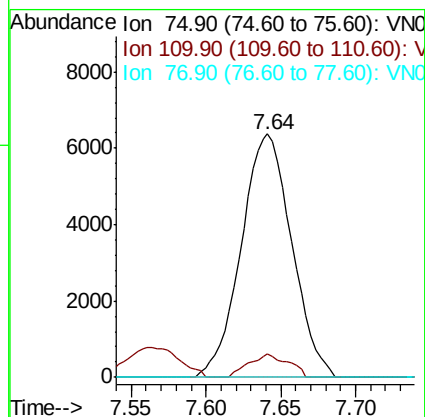
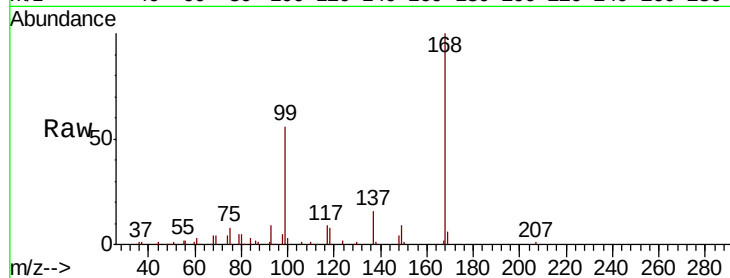
Tot Ion: 75 Resp: 14942

Ion Ratio Lower Upper

75 100

110 7.4 17.3 52.0#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.291 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

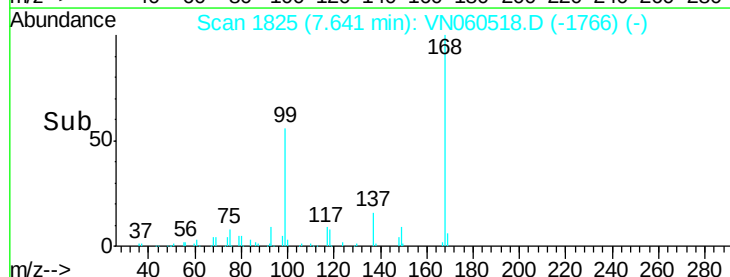
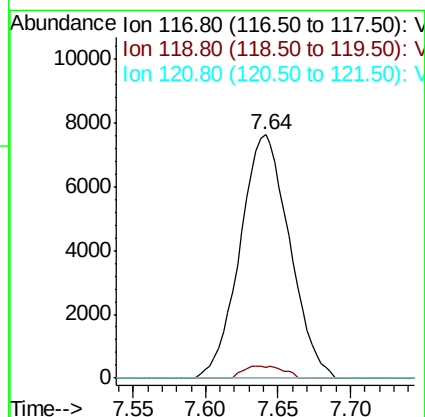
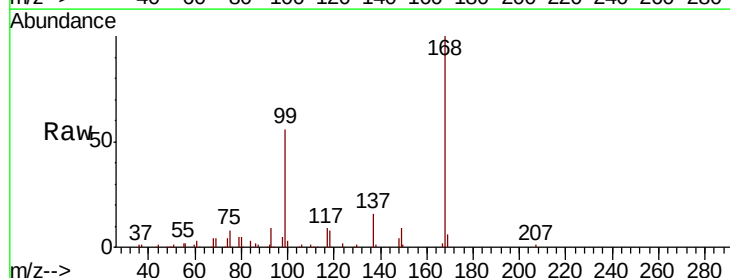
Tgt Ion: 117 Resp: 18103

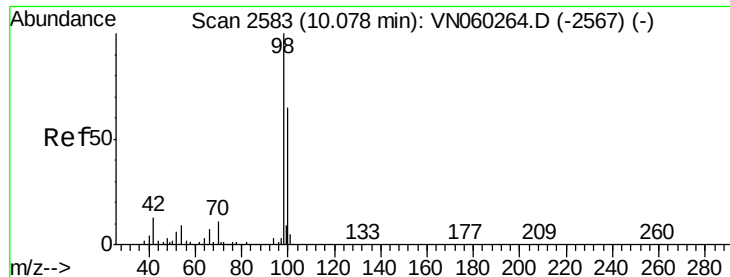
Ion Ratio Lower Upper

117 100

119 4.6 76.7 115.1#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.638 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

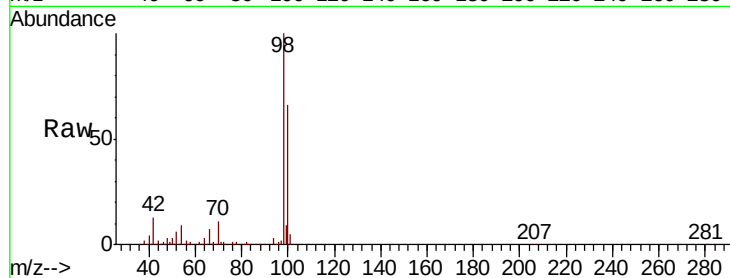
PB127539TB

Tot Ion: 98 Resp: 376191

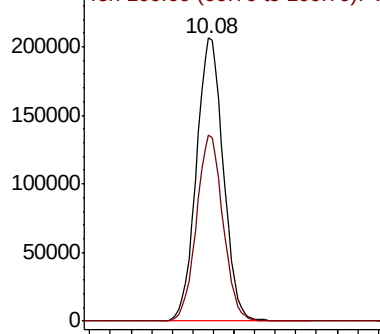
Ion Ratio Lower Upper

98 100

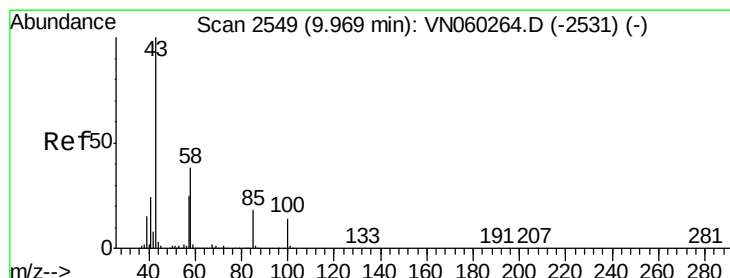
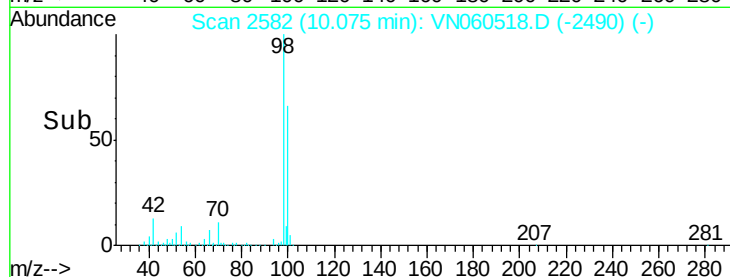
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.586 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060518.D

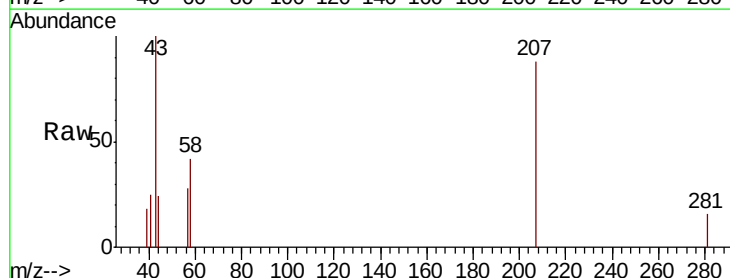
Acq: 16 Mar 2020 13:21

Tgt Ion: 43 Resp: 1628

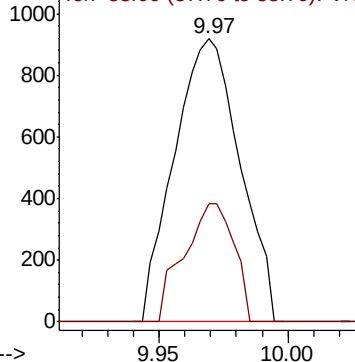
Ion Ratio Lower Upper

43 100

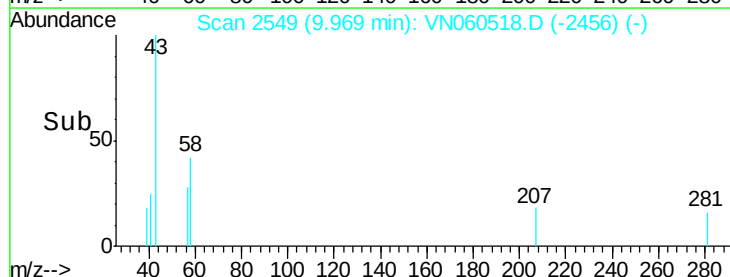
58 31.9 30.9 46.3

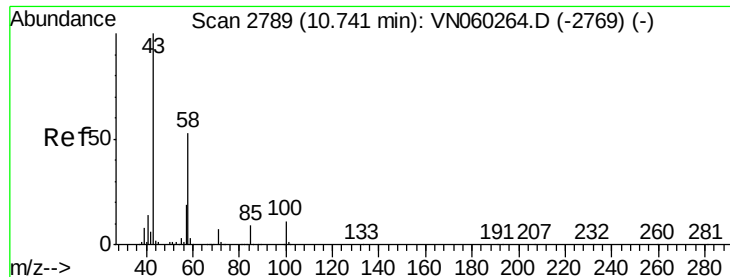


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)



Time-->

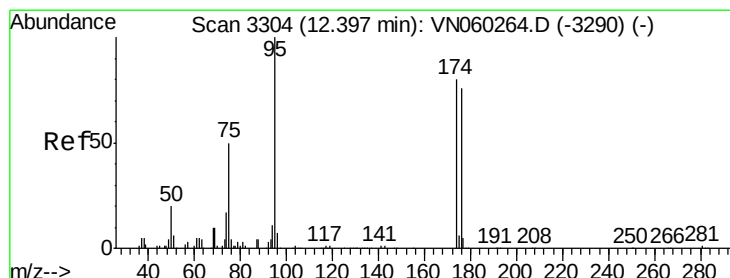
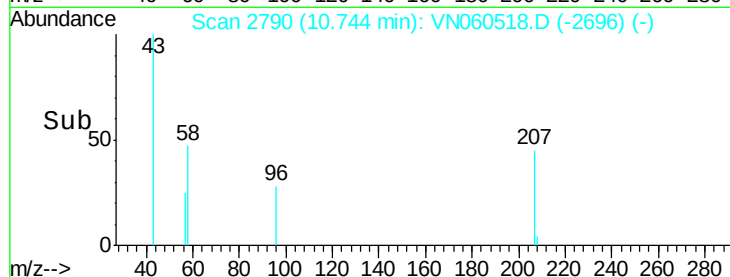
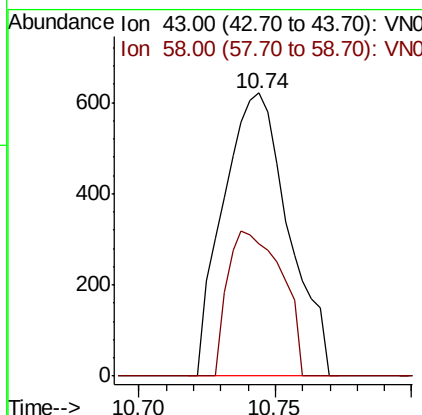
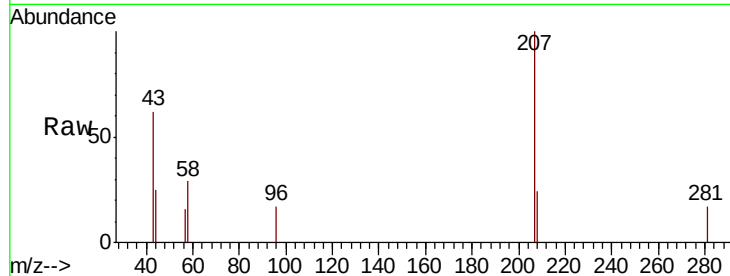




#59
2-Hexanone
Concen: 0.506 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060518.D
Acq: 16 Mar 2020 13:21

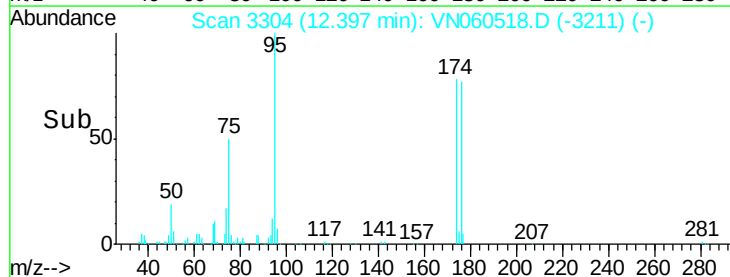
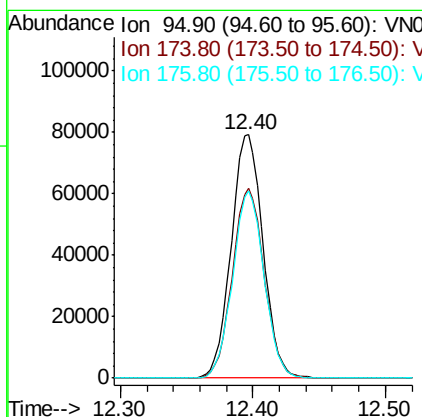
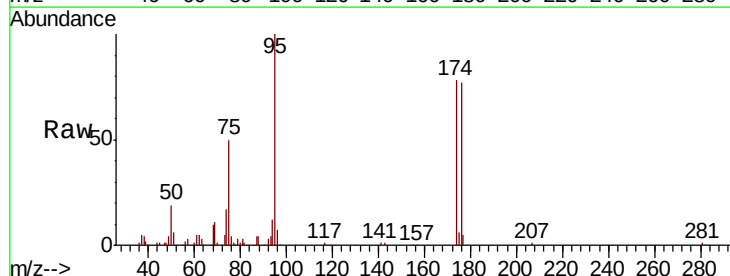
Instrument :
MSVOA_N
ClientSampled :
PB127539TB

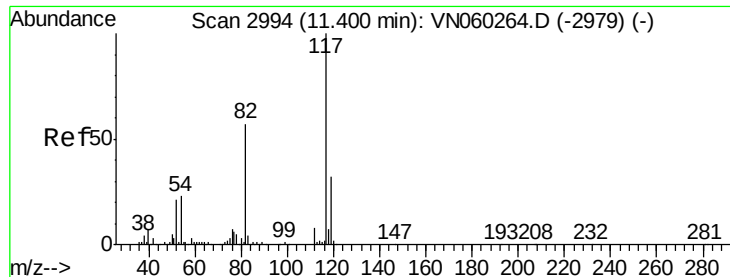
Tot Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
58 42.7 26.5 79.5



#62
4-Bromofluorobenzene
Concen: 47.771 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060518.D
Acq: 16 Mar 2020 13:21

Tgt Ion: 95 Resp: 131926
Ion Ratio Lower Upper
95 100
174 78.0 0.0 159.2
176 75.8 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: VN060518.D

Acq: 16 Mar 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

PB127539TB

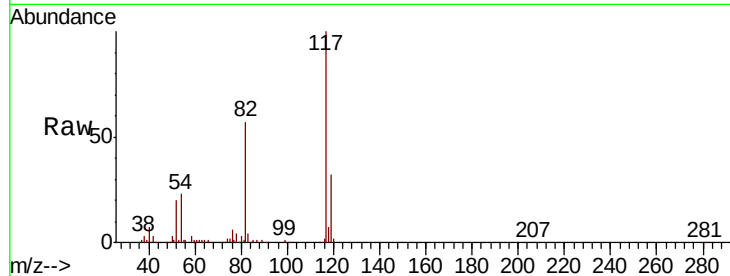
Tot Ion:117 Resp: 276975

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.6

119 31.6 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

200000

150000

100000

50000

0

11.40

11.35

11.30

11.25

11.20

11.15

11.10

11.05

11.00

10.95

10.90

10.85

10.80

10.75

10.70

10.65

10.60

10.55

10.50

10.45

10.40

10.35

10.30

10.25

10.20

10.15

10.10

10.05

10.00

9.95

9.90

9.85

9.80

9.75

9.70

9.65

9.60

9.55

9.50

9.45

9.40

9.35

9.30

9.25

9.20

9.15

9.10

9.05

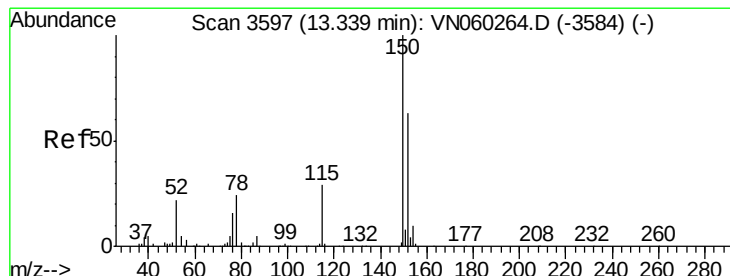
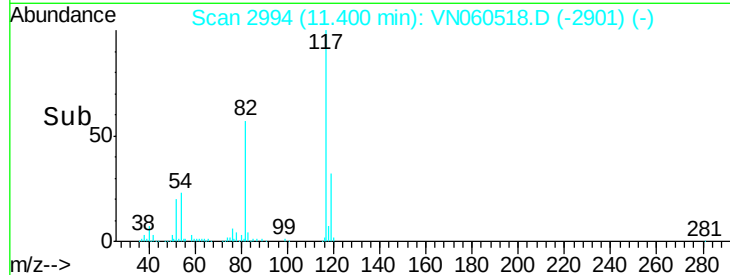
9.00

8.95

8.90

8.85

8.80



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

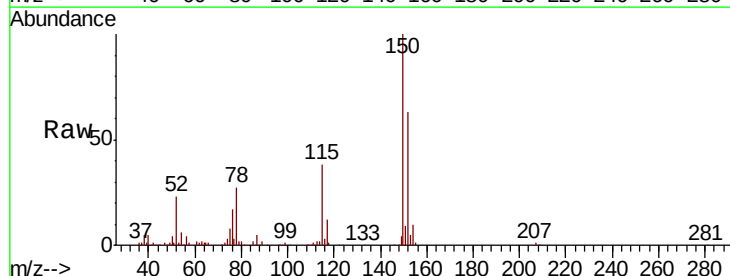
Tgt Ion:152 Resp: 116147

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

150 157.6 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

150000

100000

50000

0

13.34

13.30

13.25

13.20

13.15

13.10

13.05

13.00

12.95

12.90

12.85

12.80

12.75

12.70

12.65

12.60

12.55

12.50

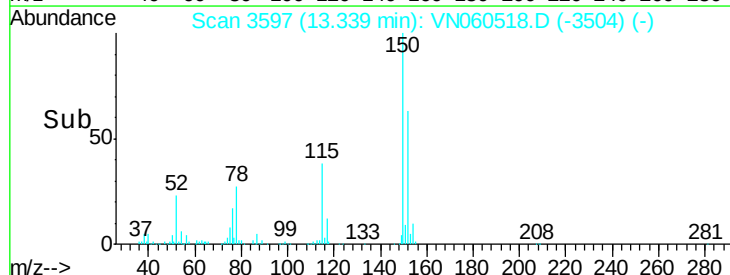
12.45

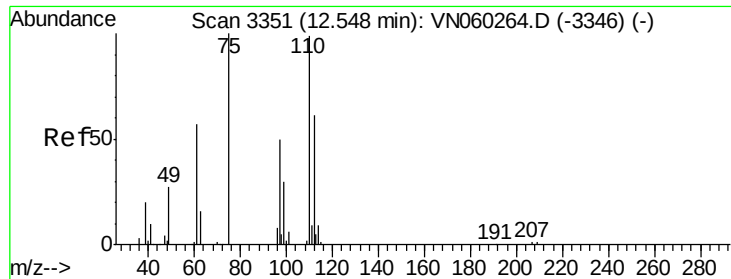
12.40

12.35

12.30

12.25





#76

1,2,3-Trichloropropane

Concen: 26.388 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

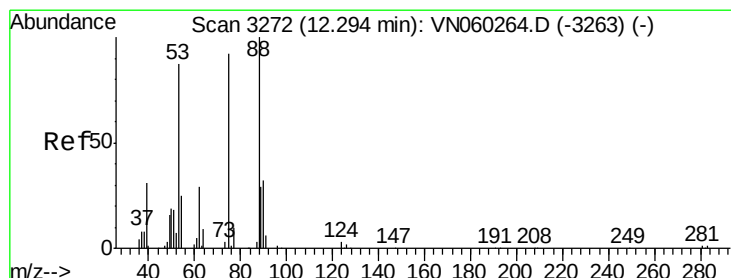
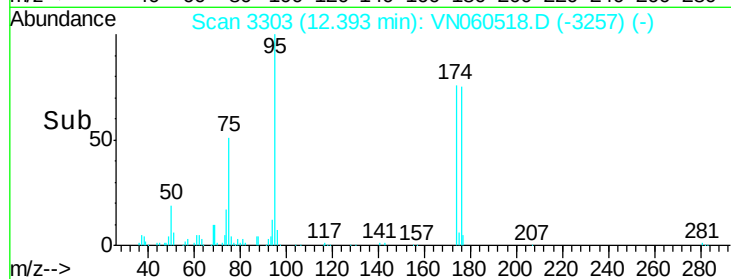
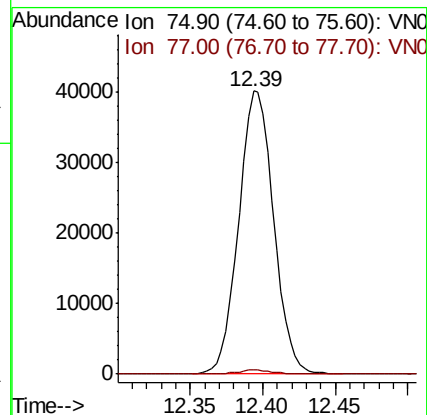
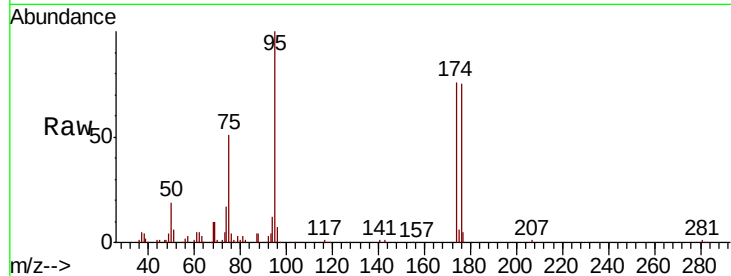
PB127539TB

Tot Ion: 75 Resp: 67244

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.843 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060518.D

Acq: 16 Mar 2020 13:21

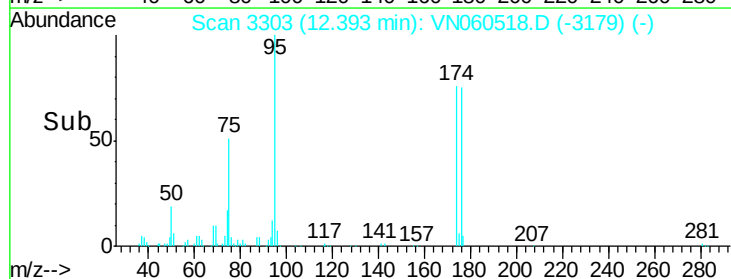
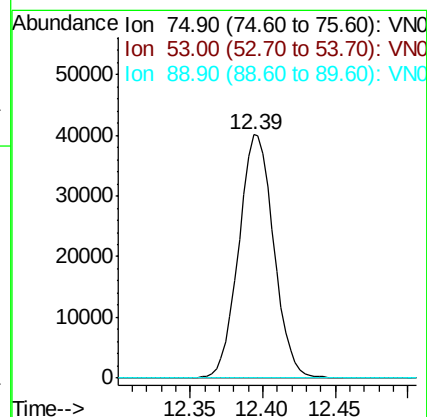
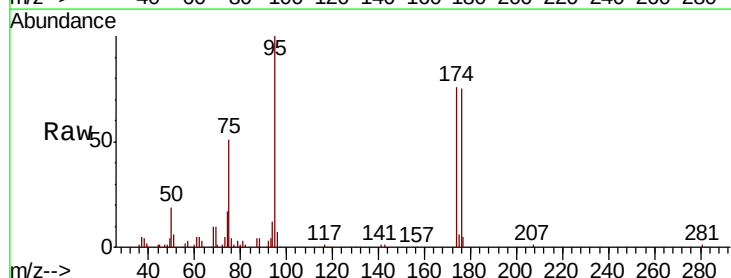
Tgt Ion: 75 Resp: 67244

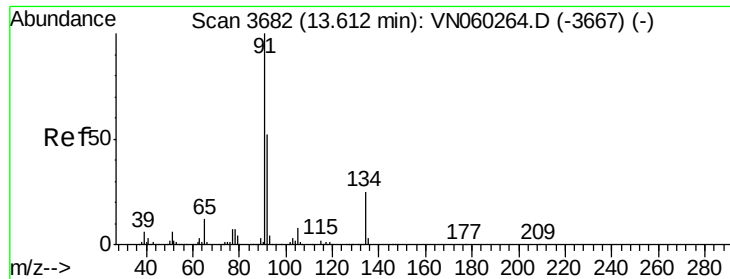
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#

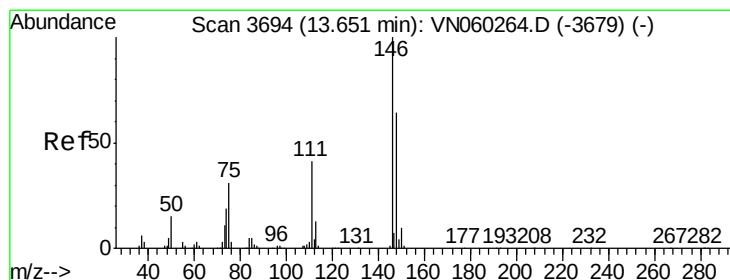
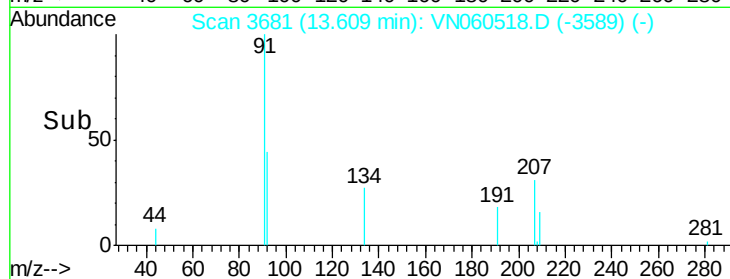
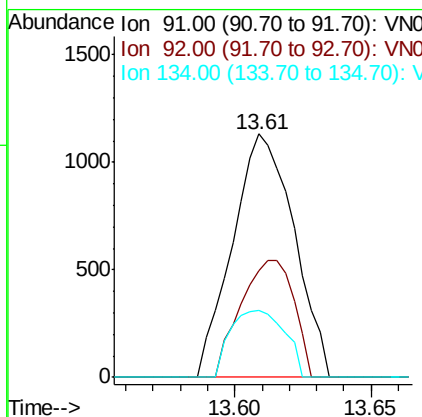
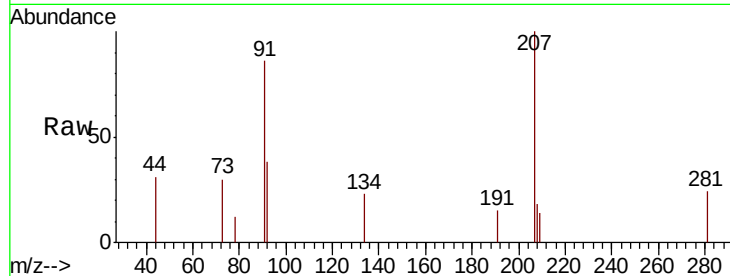




#89
n-Butylbenzene
Concen: 0.248 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060518.D
Acq: 16 Mar 2020 13:21

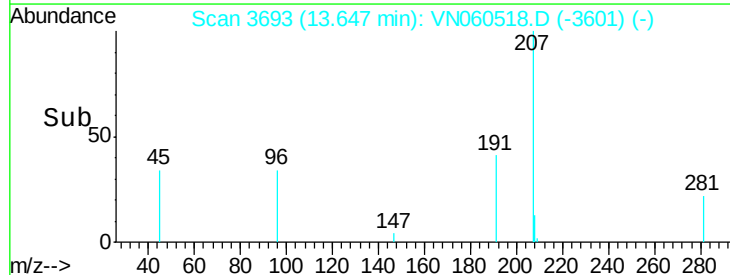
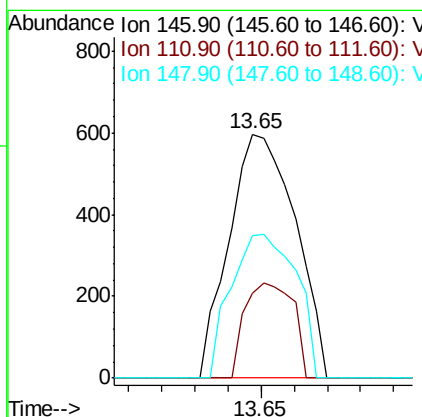
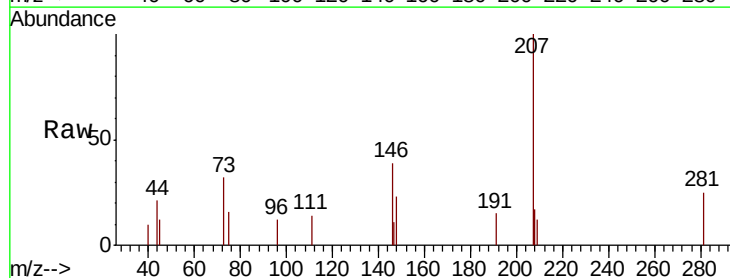
Instrument :
MSVOA_N
ClientSampled :
PB127539TB

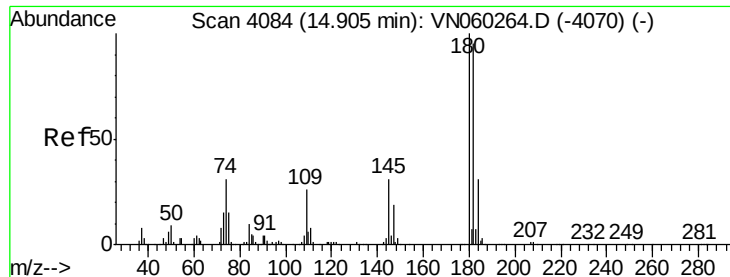
Tot Ion: 91 Resp: 1768
Ion Ratio Lower Upper
91 100
92 41.6 26.0 78.0
134 24.3 12.7 38.1



#91
1,2-Dichlorobenzene
Concen: 0.224 ug/l
RT: 13.65 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VN060518.D
Acq: 16 Mar 2020 13:21

Tgt Ion: 146 Resp: 829
Ion Ratio Lower Upper
146 100
111 28.2 20.3 61.0
148 57.7 31.8 95.3

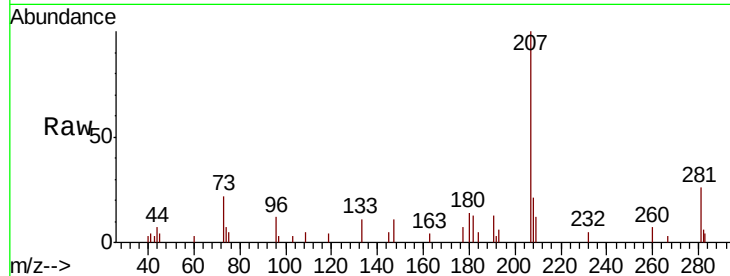




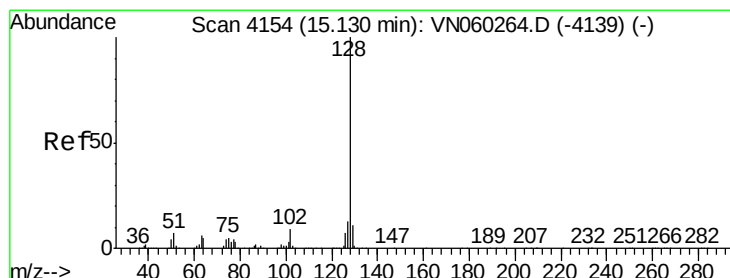
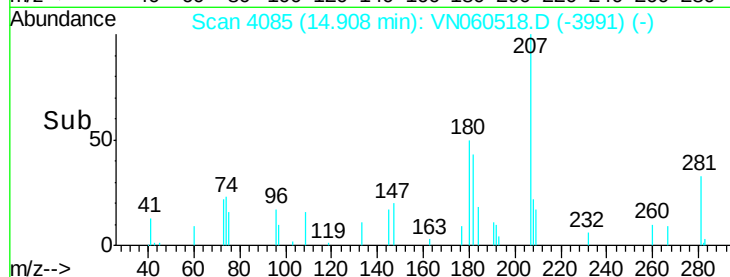
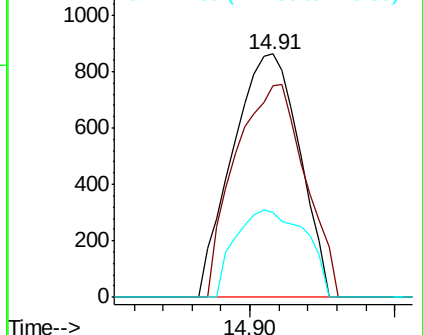
#93
 1,2,4-Trichlorobenzene
 Concen: 0.674 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060518.D
 Acq: 16 Mar 2020 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127539TB

Tot Ion:180 Resp: 1378
 Ion Ratio Lower Upper
 180 100
 182 91.4 47.8 143.3
 145 37.7 15.4 46.1

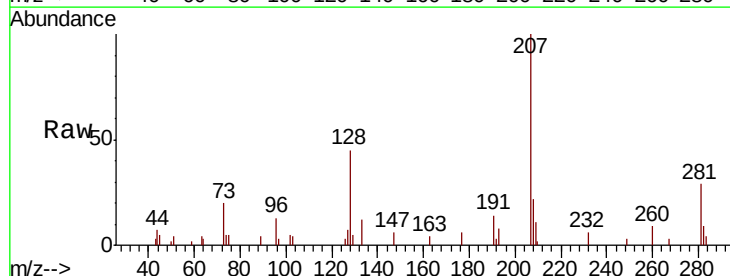


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

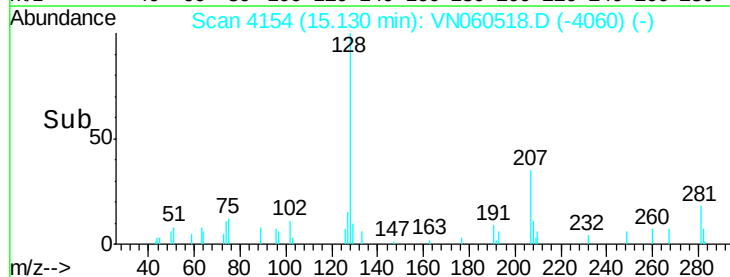
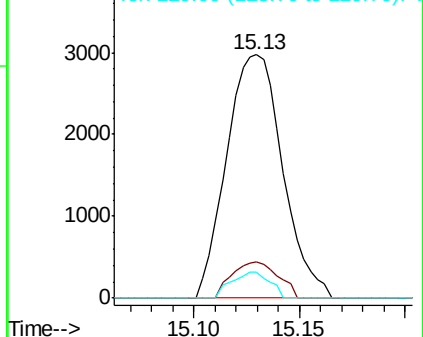


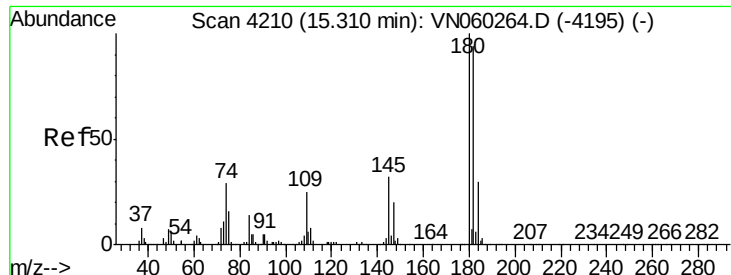
#95
 Naphthalene
 Concen: 0.524 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060518.D
 Acq: 16 Mar 2020 13:21

Tgt Ion:128 Resp: 5485
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.4 15.6
 129 7.3 8.6 13.0#



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: 0.575 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.00 min
 Lab File: VN060518.D
 Acq: 16 Mar 2020 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127539TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.5	47.3	142.0
145	25.5	16.2	48.5

