

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059597.D
 Acq On : 16 Dec 2019 12:39
 Operator : JC/SP
 Sample : VN1216MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216MBL01

Quant Time: Dec 17 04:45:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	246088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	387363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115566	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	168288	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
35) Dibromofluoromethane	7.56	113	118604	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	10.08	98	474434	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	145364	41.52	ug/l	0.00
Spiked Amount			Recovery	=	83.04%	

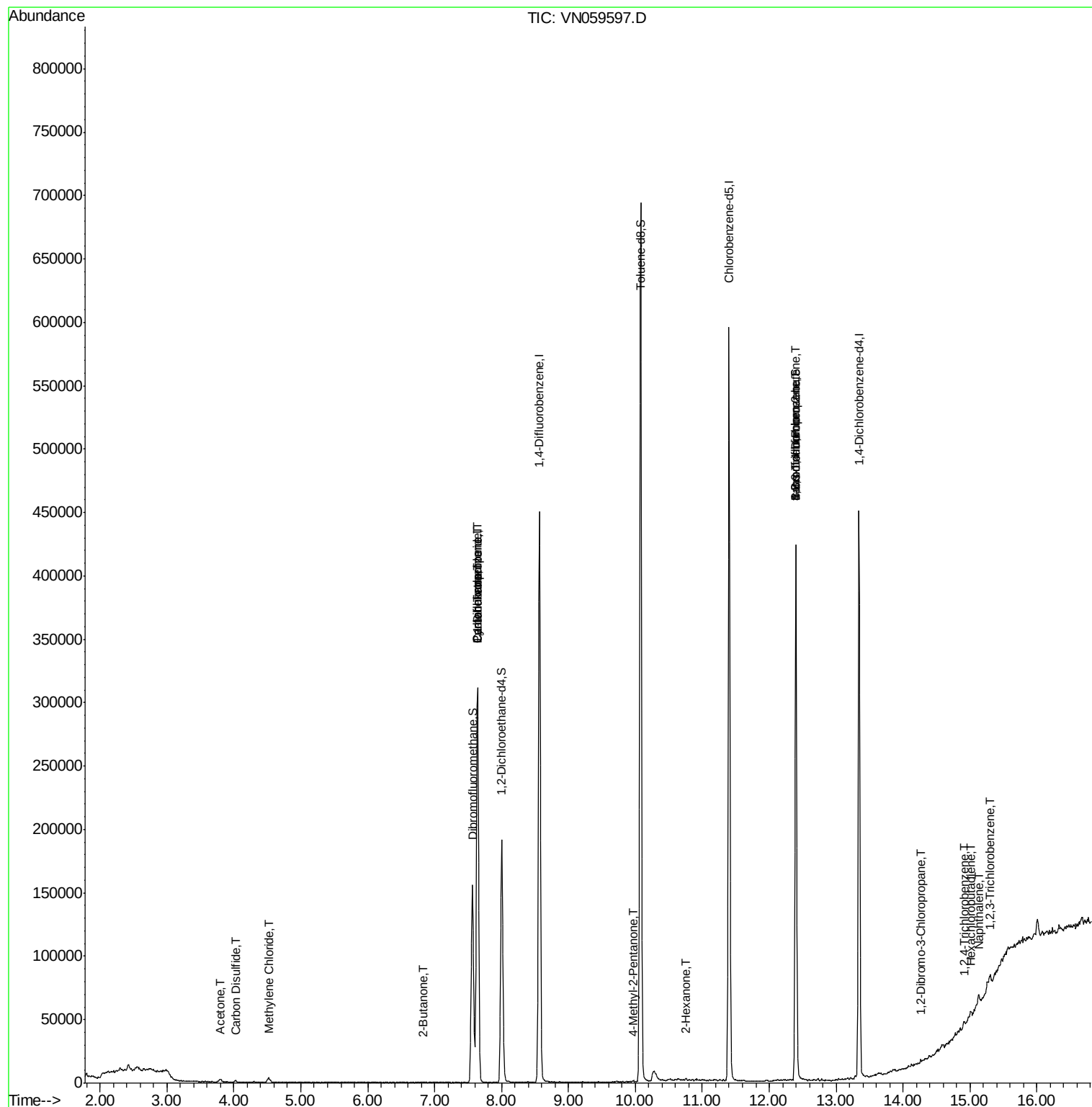
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4166	1.960	ug/l #	78
17) Carbon Disulfide	4.02	76	2445	2.137	ug/l #	75
20) Methylene Chloride	4.52	84	2663	0.867	ug/l #	87
25) 2-Butanone	6.82	43	602	0.237	ug/l #	50
31) Cyclohexane	7.64	56	5637	1.078	ug/l #	20
36) 1,1-Dichloropropene	7.64	75	20770	5.142	ug/l #	49
38) Carbon Tetrachloride	7.64	117	24466	5.837	ug/l #	17
51) 4-Methyl-2-Pentanone	9.97	43	919	0.211	ug/l #	63
59) 2-Hexanone	10.74	43	942	0.275	ug/l	75
71) Bromoform	12.40	173	1165	0.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	78269	27.358	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	78269	67.572	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	334	2.023	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	1627	0.623	ug/l	81
94) Hexachlorobutadiene	15.01	225	802	2.208	ug/l	94
95) Naphthalene	15.13	128	6656	0.853	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	2263	0.856	ug/l #	82

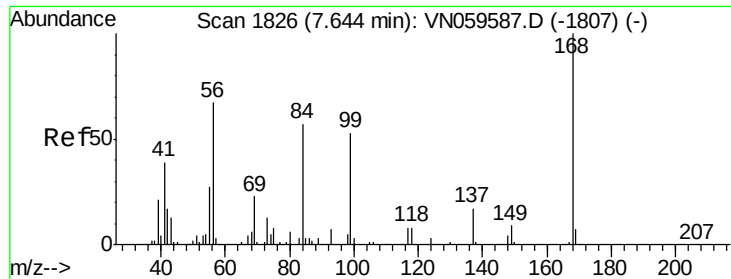
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
Data File : VN059597.D
Acq On : 16 Dec 2019 12:39
Operator : JC/SP
Sample : VN1216MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

Quant Time: Dec 17 04:45:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
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: VN059597.D

Acq: 16 Dec 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

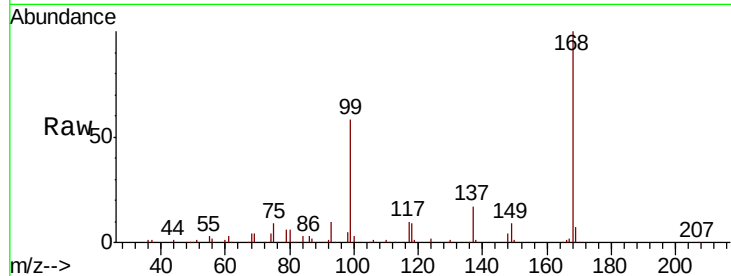
VN1216MBL01

Tgt Ion:168 Resp: 246088

Ion Ratio Lower Upper

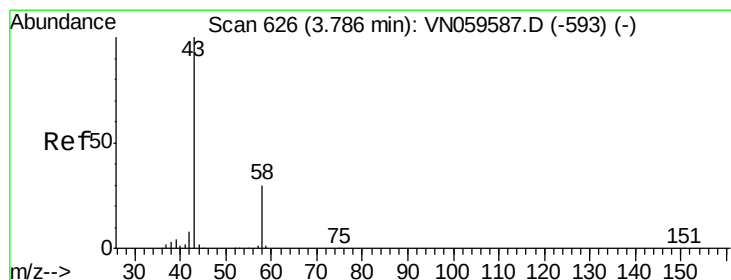
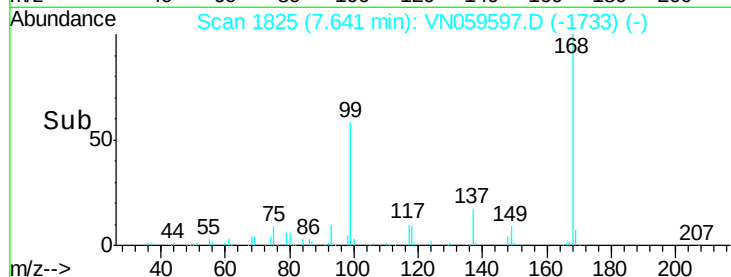
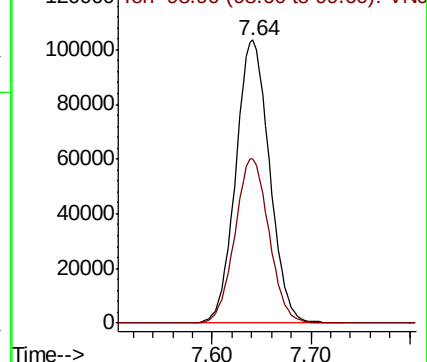
168 100

99 58.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 1.960 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059597.D

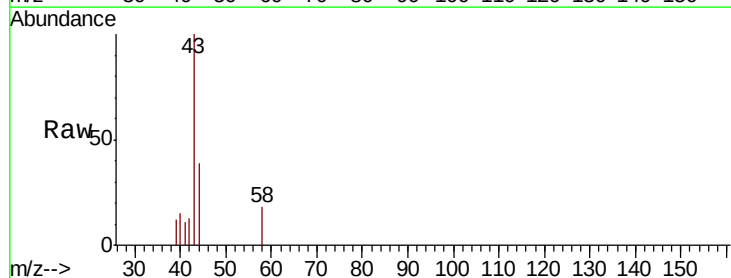
Acq: 16 Dec 2019 12:39

Tgt Ion: 43 Resp: 4166

Ion Ratio Lower Upper

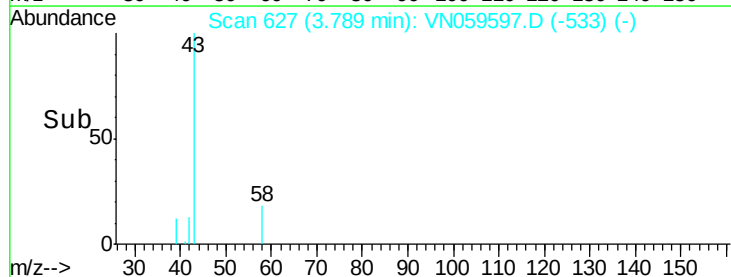
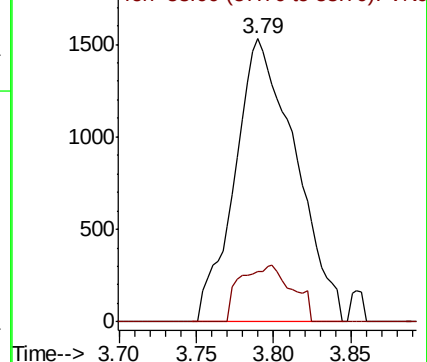
43 100

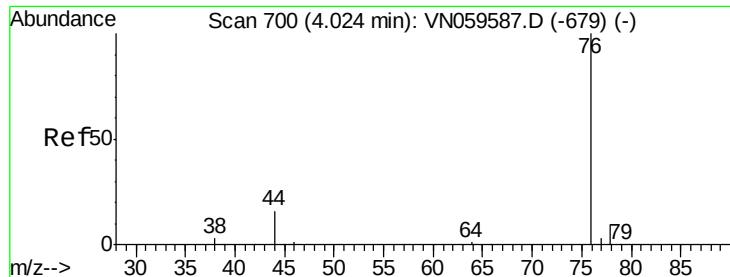
58 17.6 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: 2.137 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

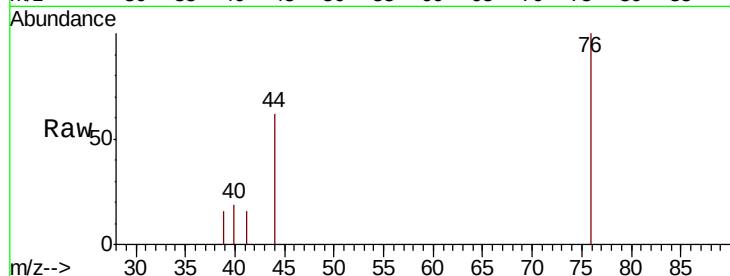
VN1216MBL01

Tgt Ion: 76 Resp: 2445

Ion Ratio Lower Upper

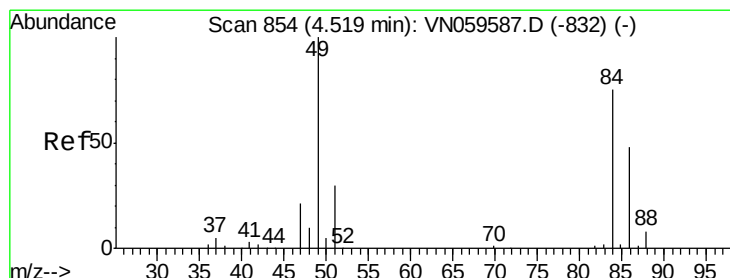
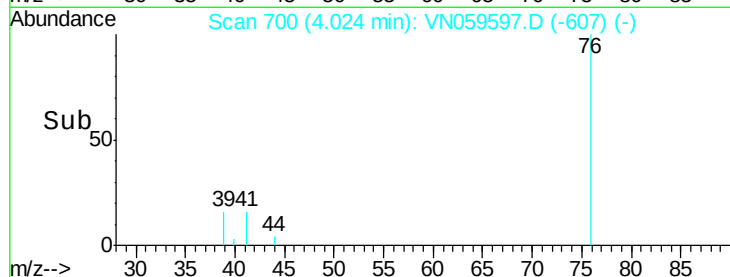
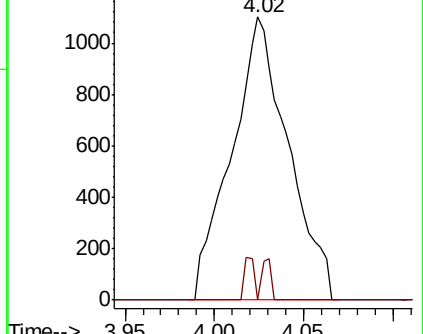
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#20

Methylene Chloride

Concen: 0.867 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.00 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

Tgt Ion: 84 Resp: 2663

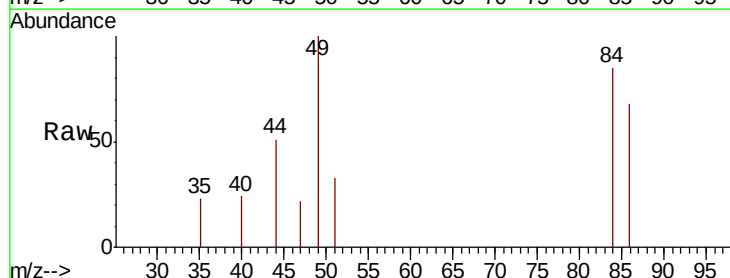
Ion Ratio Lower Upper

84 100

49 118.2 106.6 160.0

51 39.2 31.9 47.9

86 81.0 50.8 76.2#

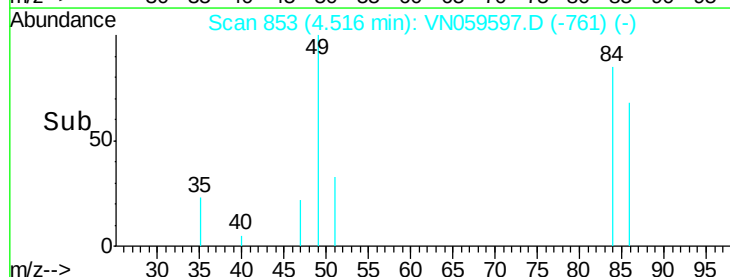
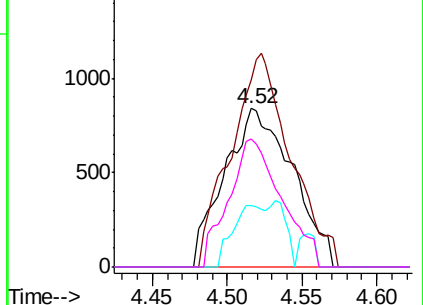


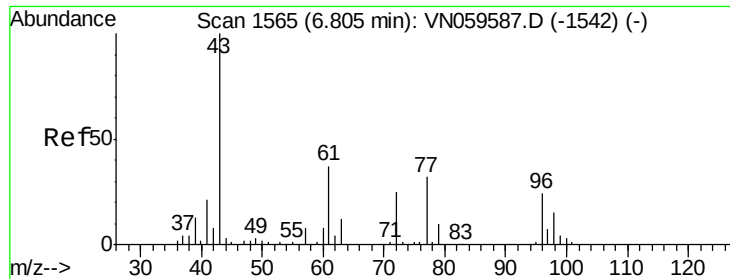
Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC





#25

2-Butanone

Concen: 0.237 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

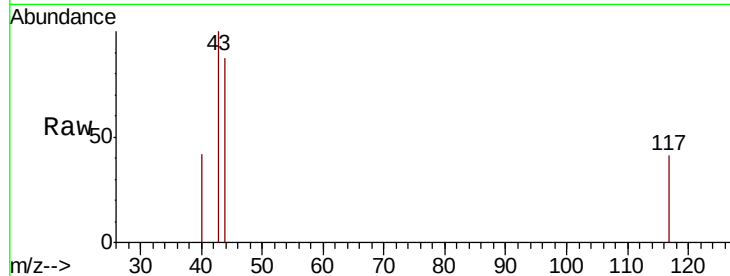
VN1216MBL01

Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

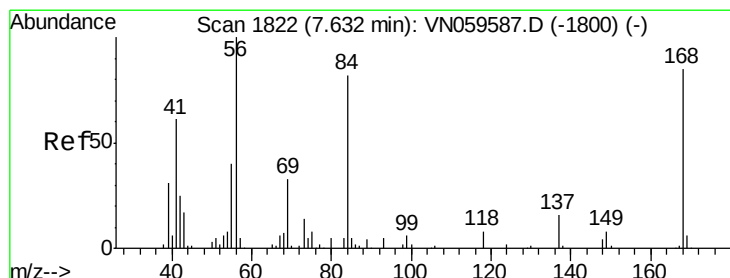
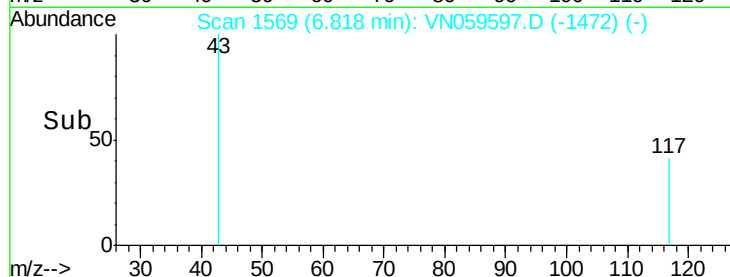
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

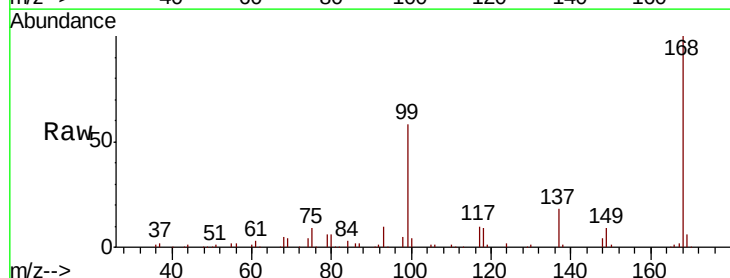
Tgt Ion: 56 Resp: 5637

Ion Ratio Lower Upper

56 100

69 148.3 26.5 39.7#

84 107.9 65.3 97.9#



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

5000

4000

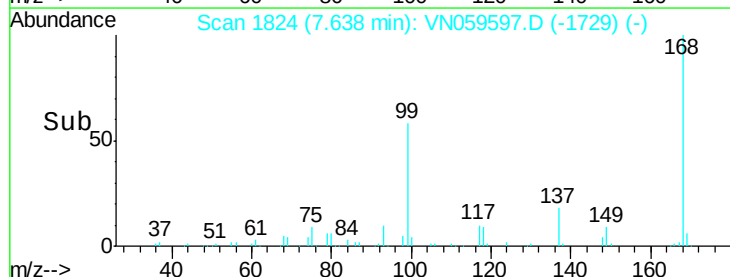
3000

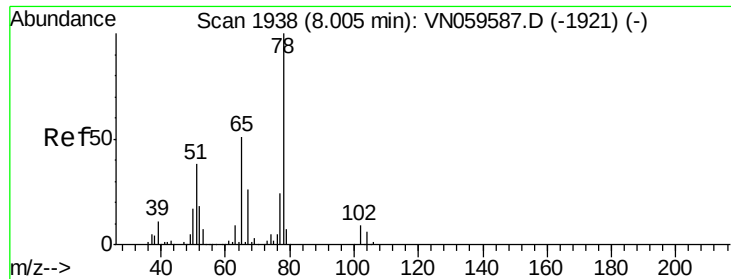
2000

1000

0

Time-->

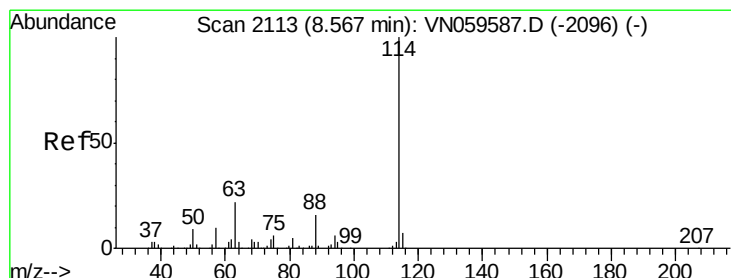
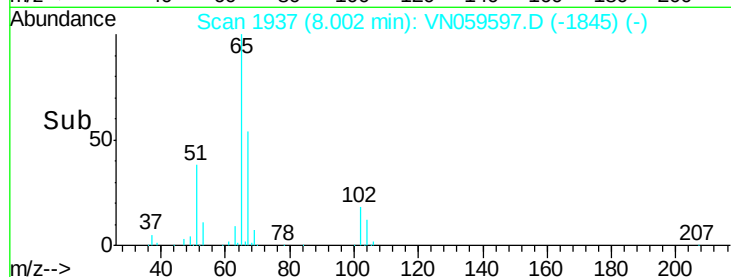
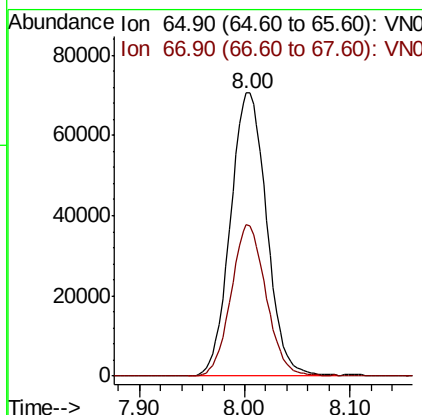
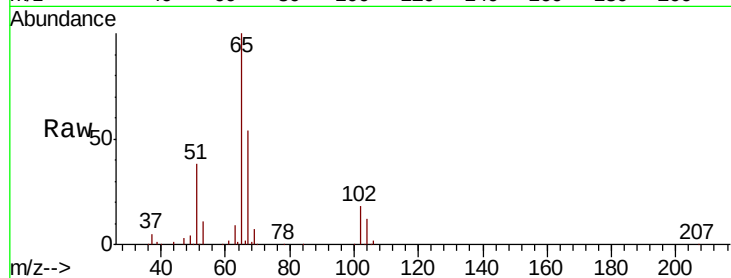




#33
 1,2-Dichloroethane-d4
 Concen: 46.995 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

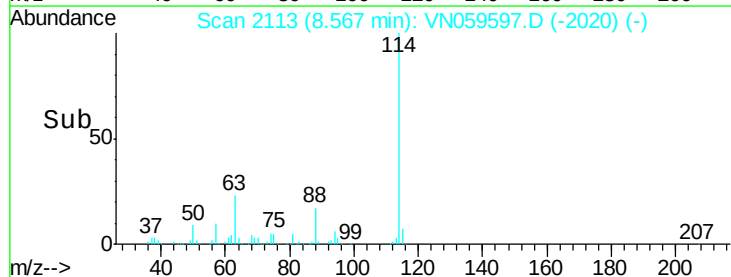
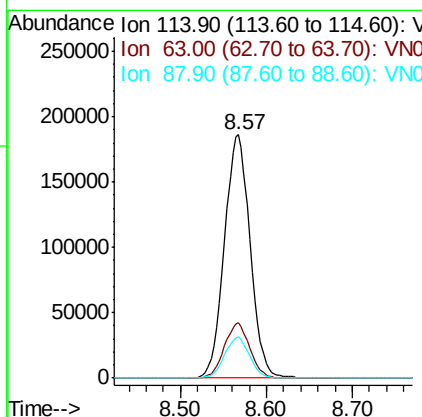
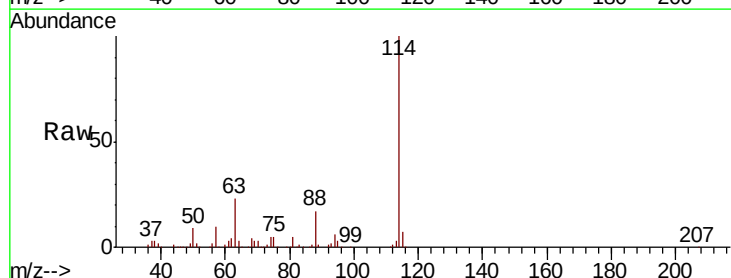
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216MBL01

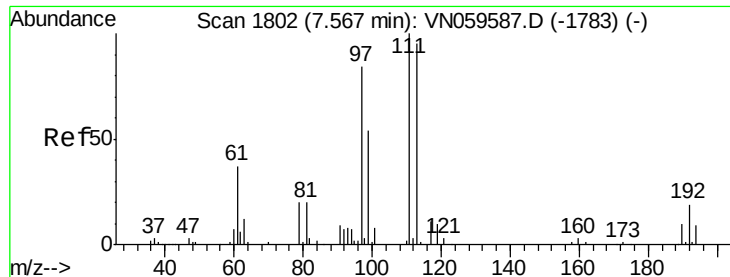
Tgt Ion: 65 Resp: 168288
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

Tgt Ion: 114 Resp: 387363
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.6
 88 16.8 0.0 31.4

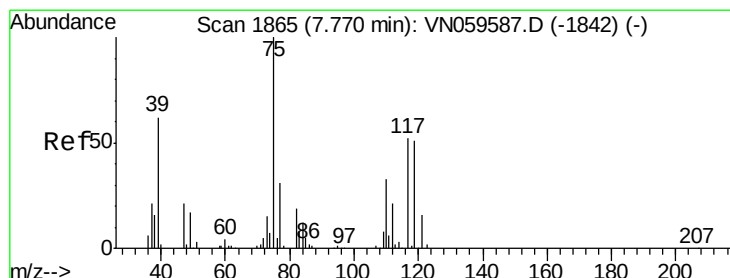
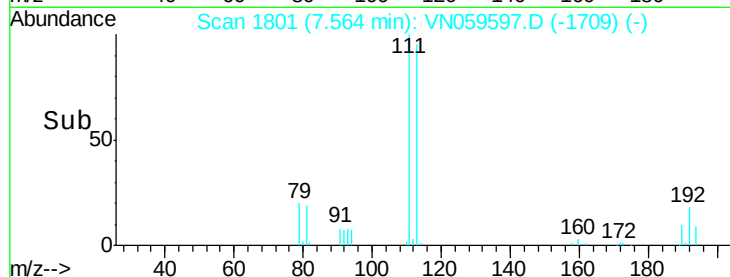
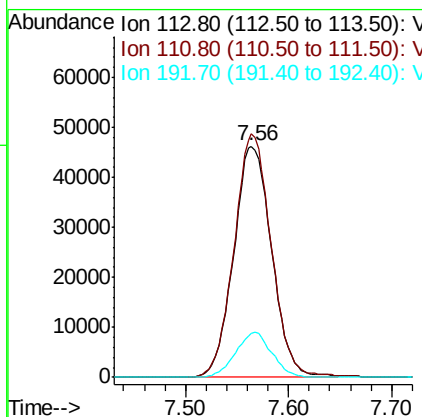
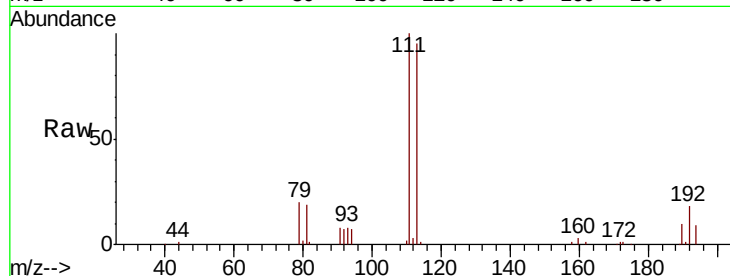




#35
 Dibromofluoromethane
 Concen: 48.935 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

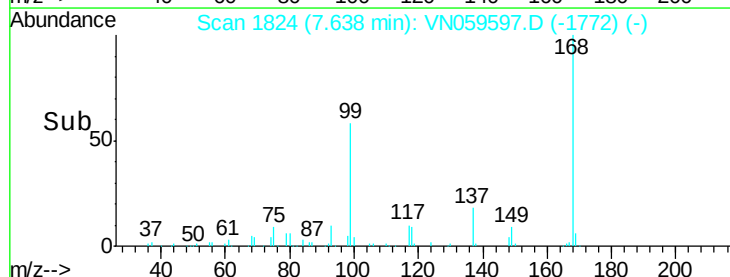
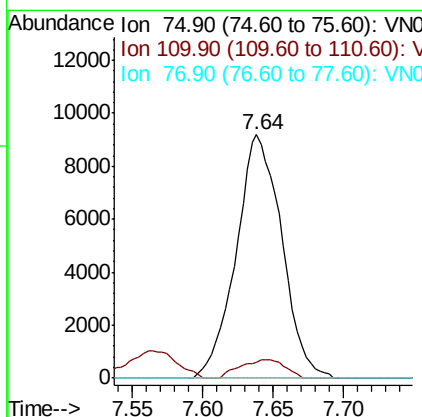
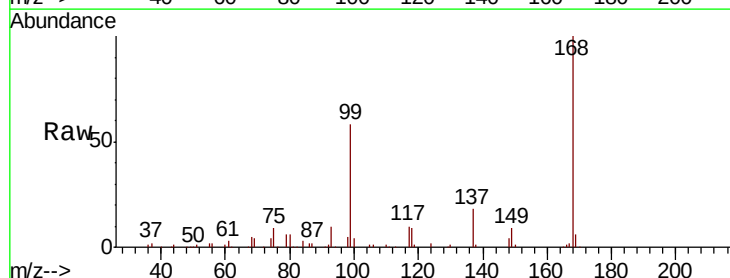
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216MBL01

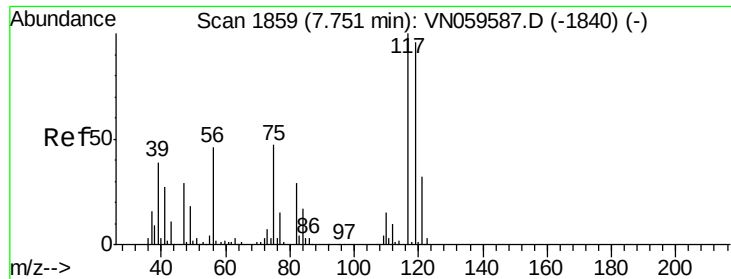
Tgt Ion: 113 Resp: 118604
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.5 125.3
 192 18.4 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.142 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

Tgt Ion: 75 Resp: 20770
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.837 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

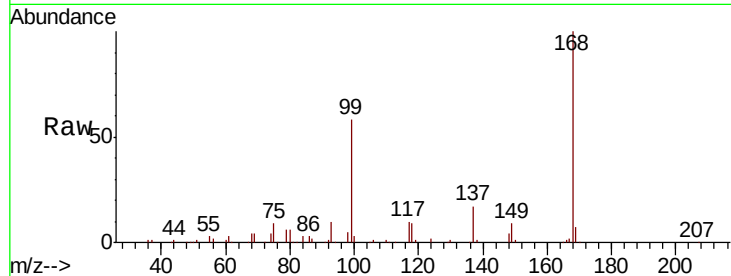
Tgt Ion:117 Resp: 24466

Ion Ratio Lower Upper

117 100

119 6.2 76.5 114.7#

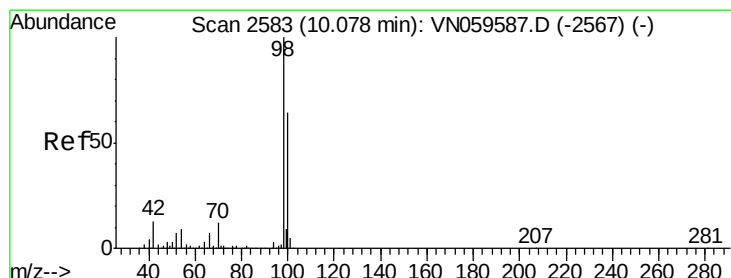
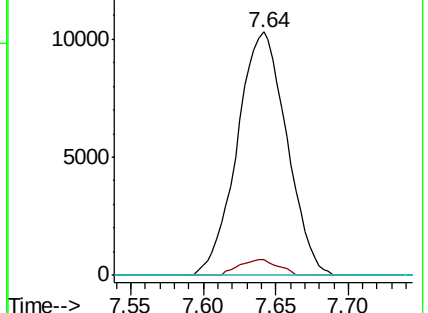
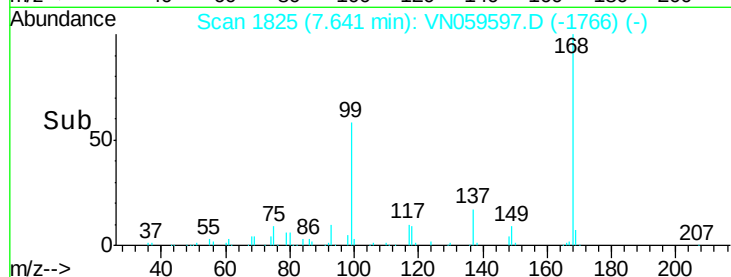
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.442 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059597.D

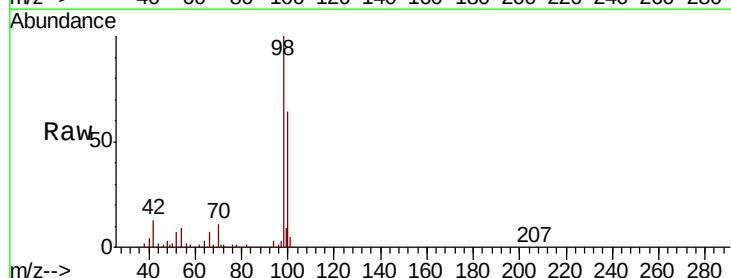
Acq: 16 Dec 2019 12:39

Tgt Ion: 98 Resp: 474434

Ion Ratio Lower Upper

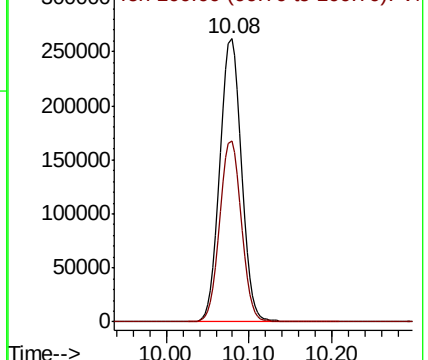
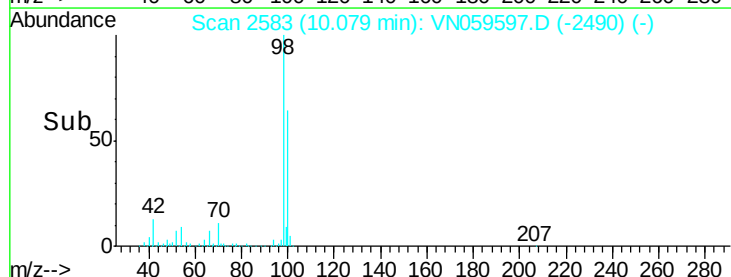
98 100

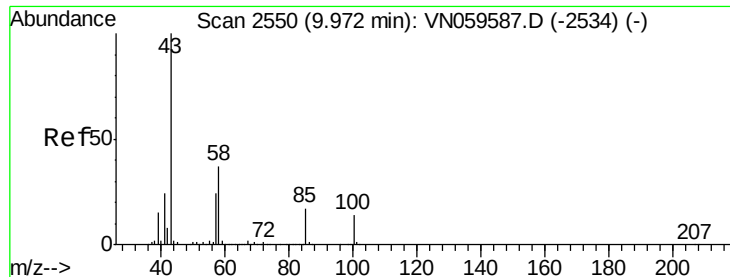
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

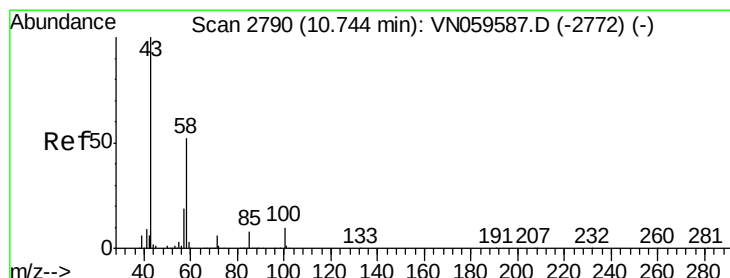
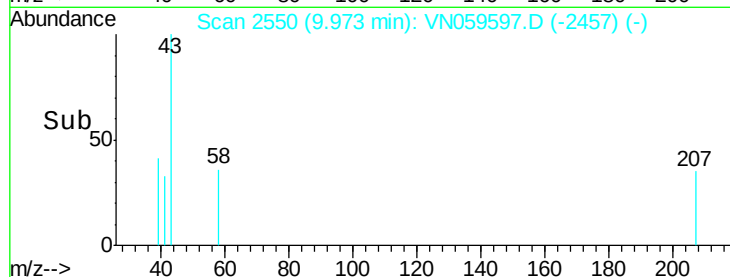
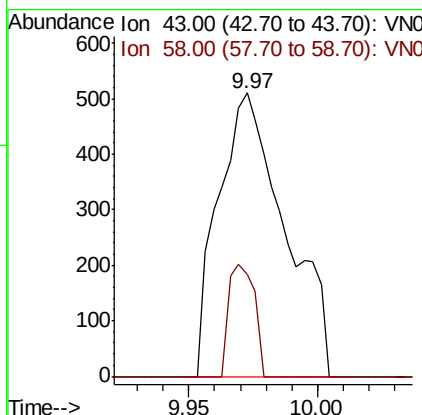
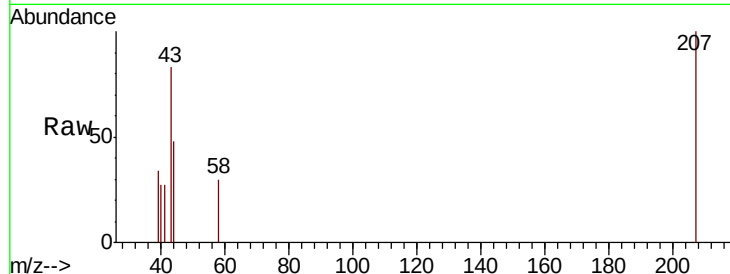




#51
 4-Methyl-2-Pentanone
 Concen: 0.211 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

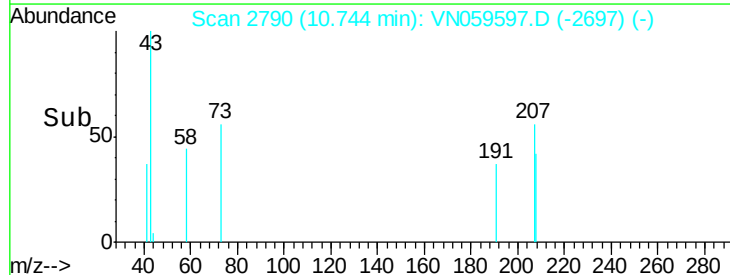
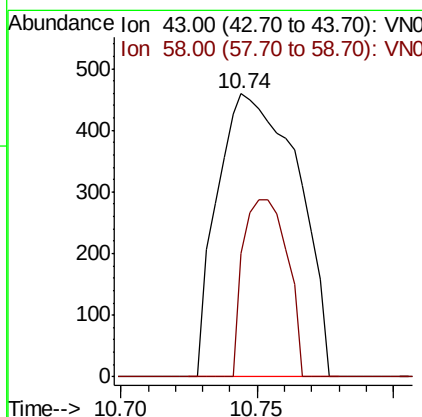
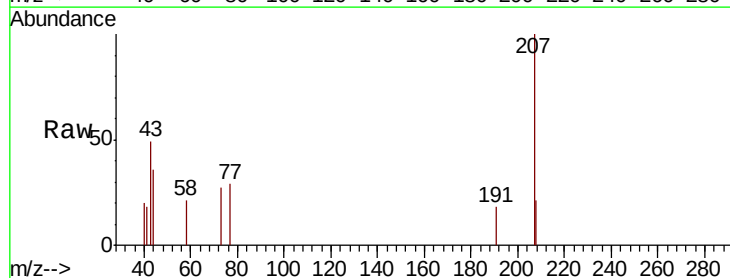
Instrument :
 MSVOA_N
 ClientSampled :
 VN1216MBL01

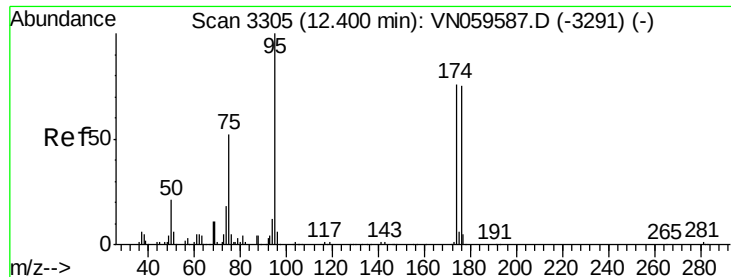
Tgt Ion: 43 Resp: 919
 Ion Ratio Lower Upper
 43 100
 58 15.1 29.8 44.8#



#59
 2-Hexanone
 Concen: 0.275 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

Tgt Ion: 43 Resp: 942
 Ion Ratio Lower Upper
 43 100
 58 34.0 25.8 77.3





#62

4-Bromofluorobenzene

Concen: 41.516 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

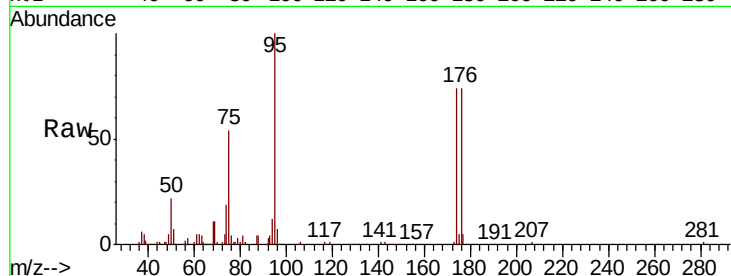
Tgt Ion: 95 Resp: 145364

Ion Ratio Lower Upper

95 100

174 76.5 0.0 151.4

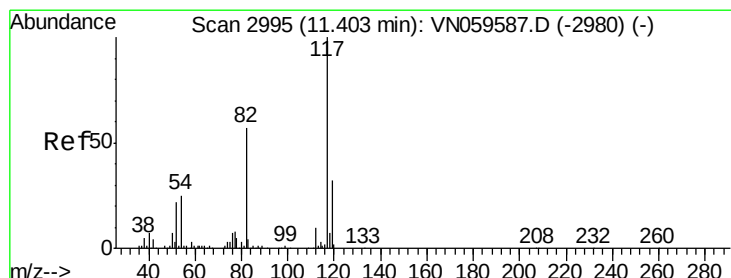
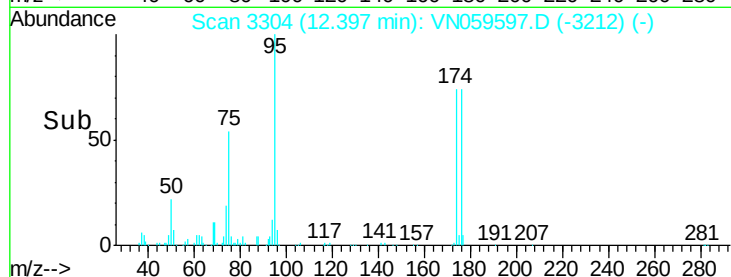
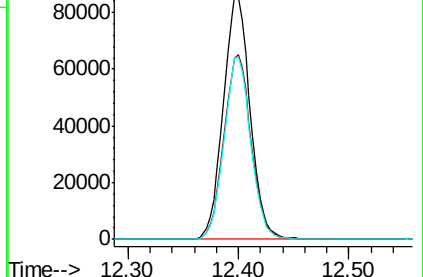
176 74.2 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059587.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059587.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059587.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

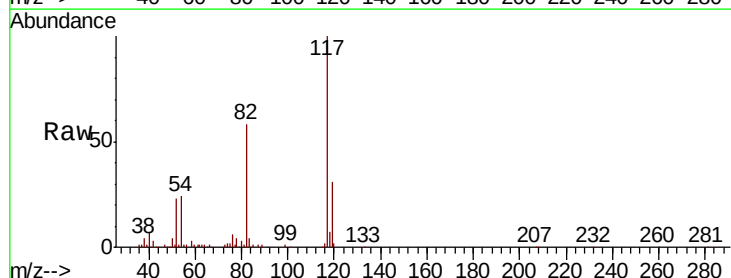
Tgt Ion: 117 Resp: 331210

Ion Ratio Lower Upper

117 100

82 57.7 45.9 68.9

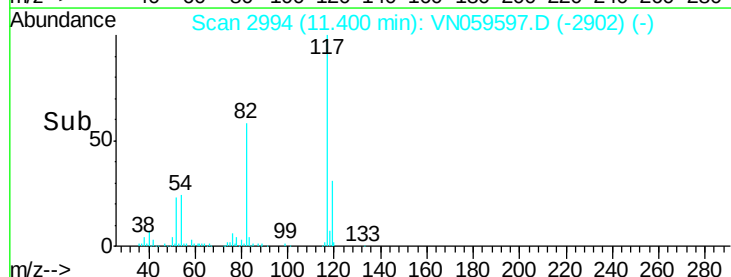
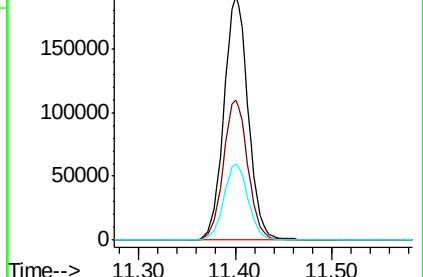
119 31.3 25.5 38.3

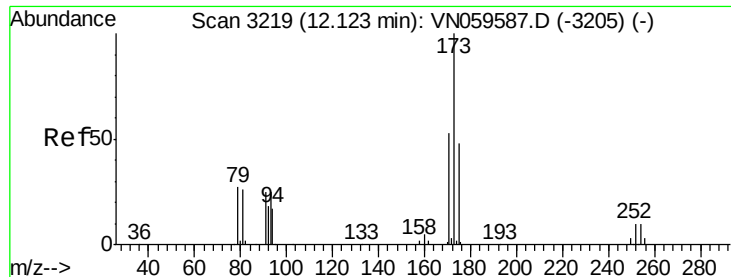


Abundance Ion 116.90 (116.60 to 117.60): VN059587.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059587.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059587.D (-2980) (-)





#71

Bromoform

Concen: 0.569 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

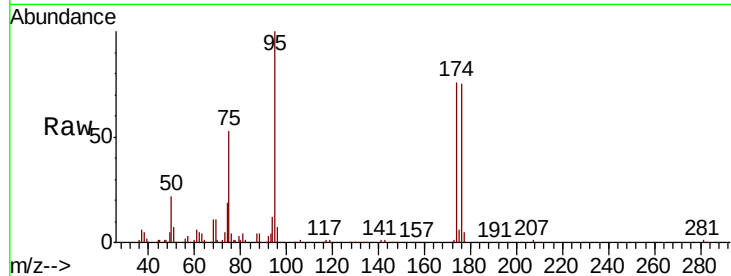
Tgt Ion:173 Resp: 1165

Ion Ratio Lower Upper

173 100

175 579.1 23.8 71.4#

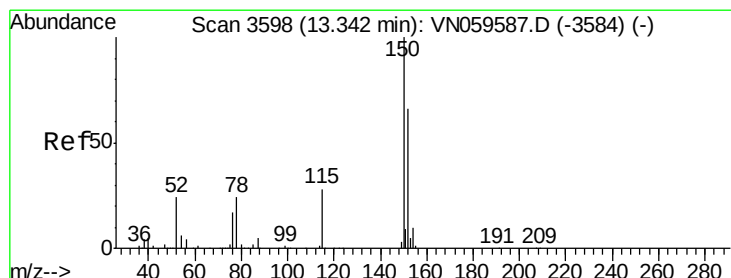
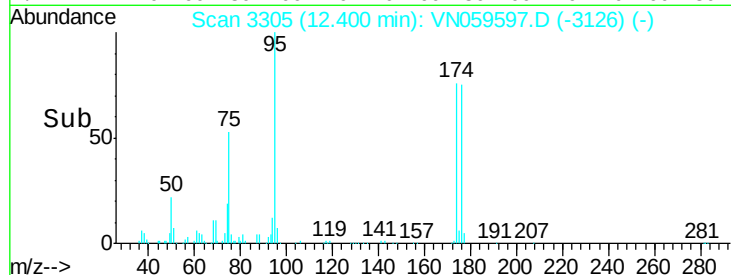
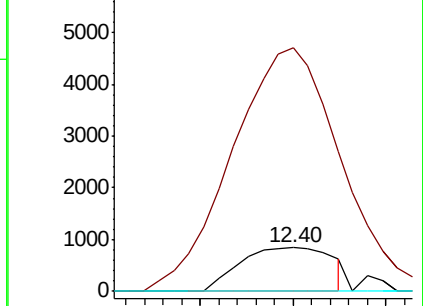
254 0.0 0.0 0.0



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: VN059597.D

Acq: 16 Dec 2019 12:39

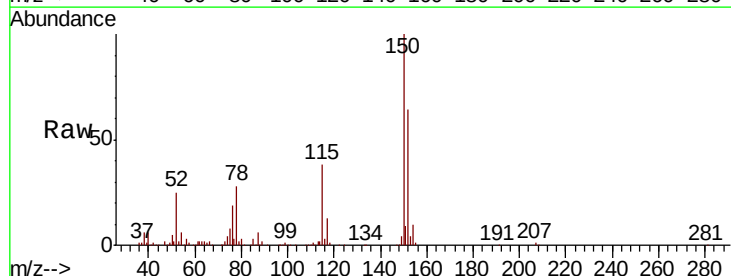
Tgt Ion:152 Resp: 115566

Ion Ratio Lower Upper

152 100

115 61.1 30.3 90.9

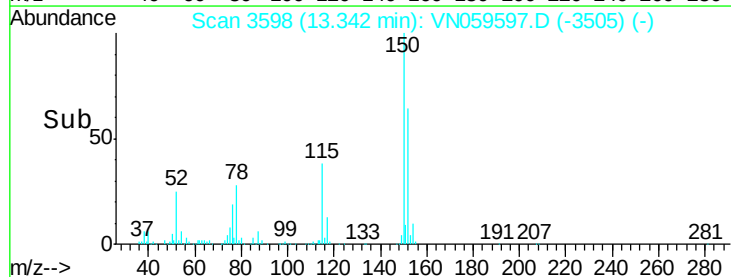
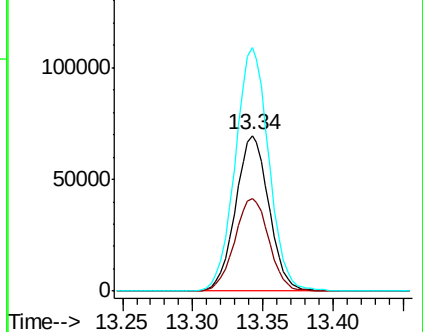
150 157.8 0.0 345.2

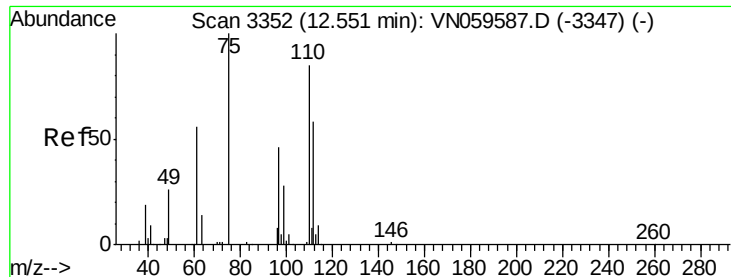


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

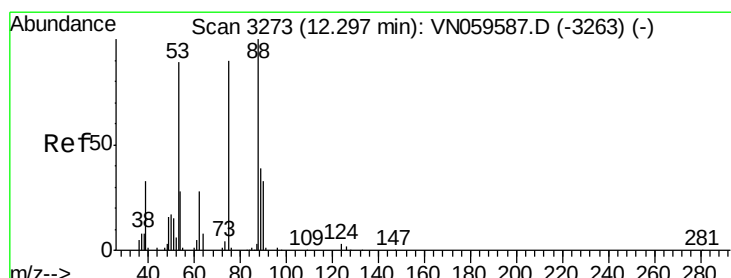
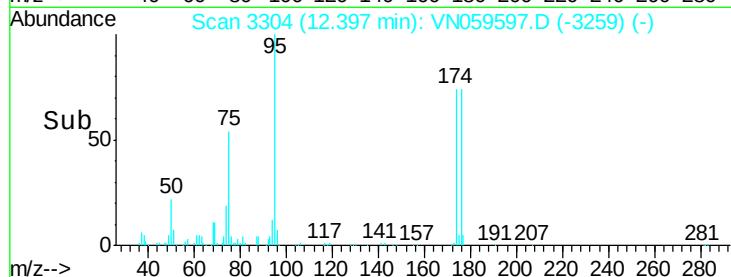
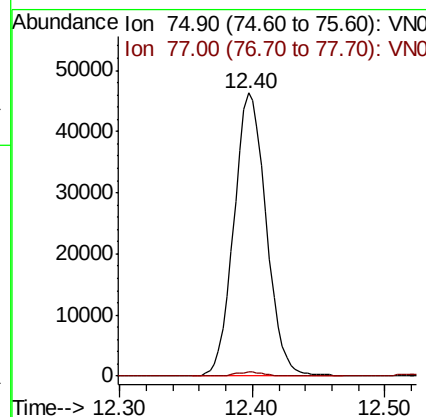
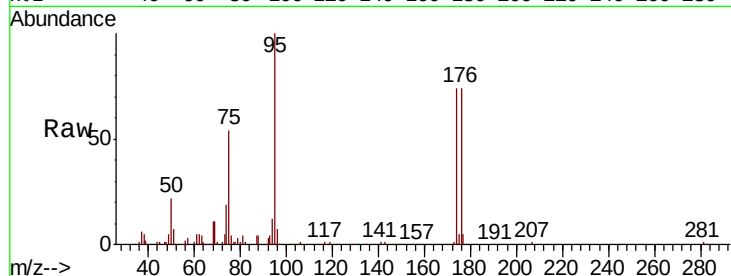




#76
 1,2,3-Trichloropropane
 Concen: 27.358 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

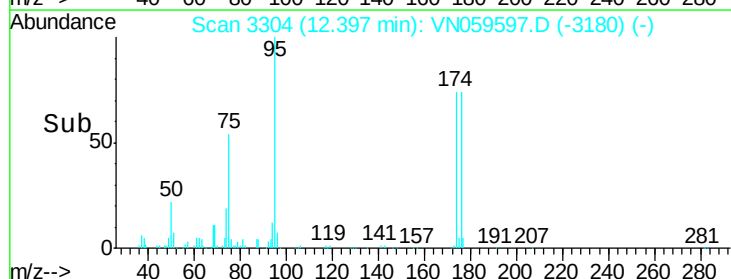
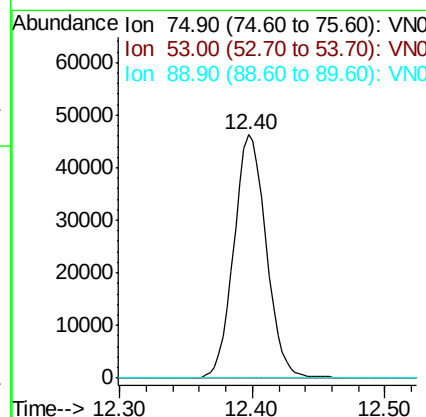
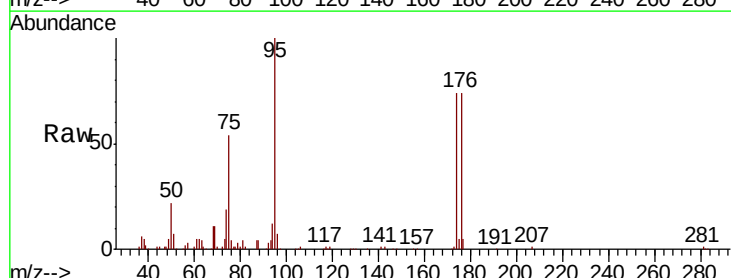
Instrument :
 MSVOA_N
 ClientSampled :
 VN1216MBL01

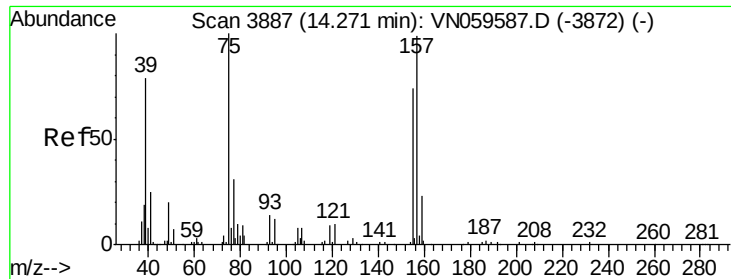
Tgt Ion: 75 Resp: 78269
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.572 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

Tgt Ion: 75 Resp: 78269
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.1 117.1#
 89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.023 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

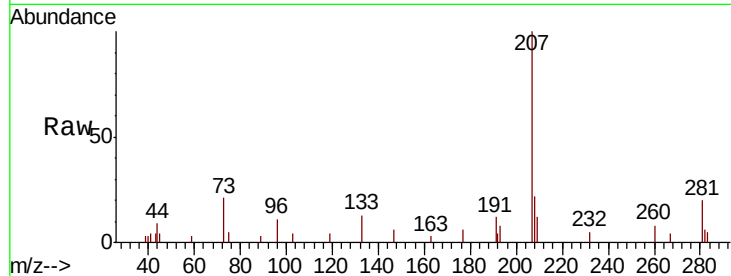
Tgt Ion: 75 Resp: 334

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

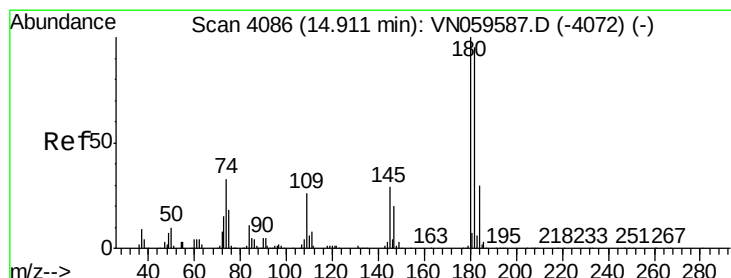
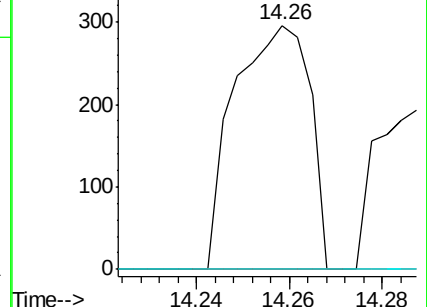
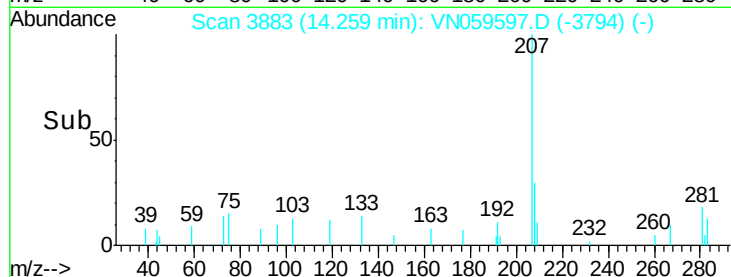


Abundance Ion 74.90 (74.60 to 75.60): VN059597.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN059597.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN059597.D (-3872) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.623 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

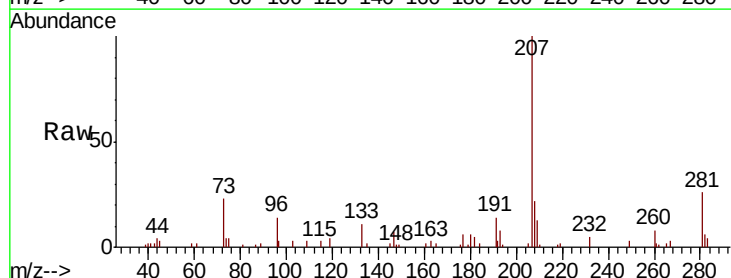
Tgt Ion: 180 Resp: 1627

Ion Ratio Lower Upper

180 100

182 76.1 46.9 140.7

145 19.0 15.0 45.1

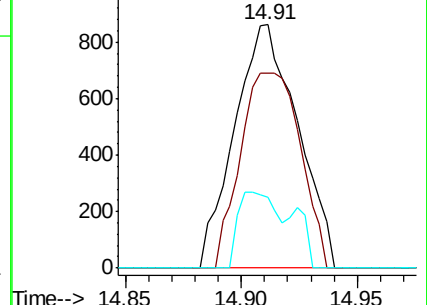
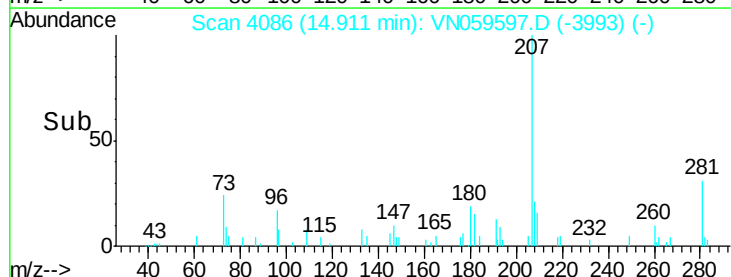


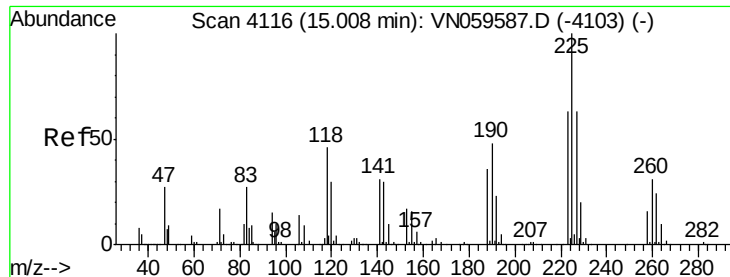
Abundance Ion 179.80 (179.50 to 180.50): VN059597.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059597.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059597.D (-4072) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 2.208 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

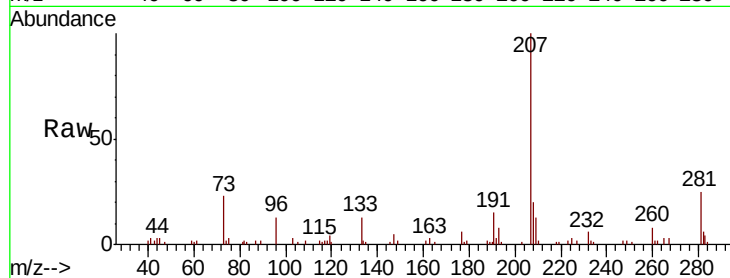
Tgt Ion:225 Resp: 802

Ion Ratio Lower Upper

225 100

223 70.6 31.8 95.3

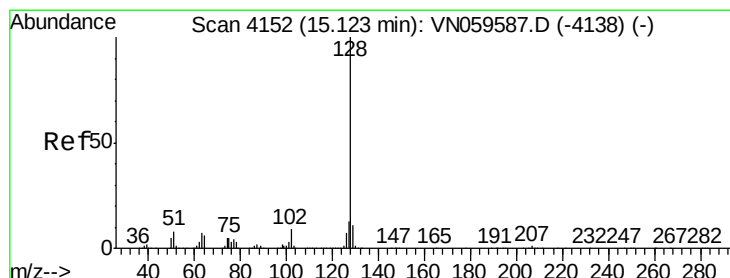
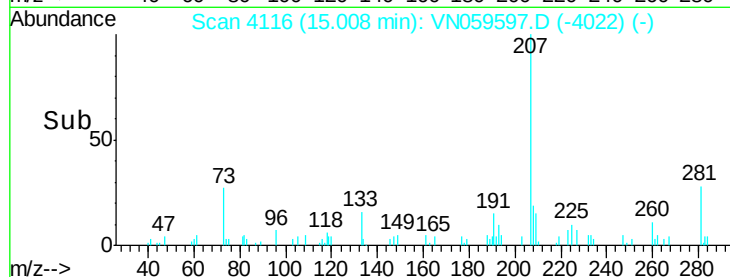
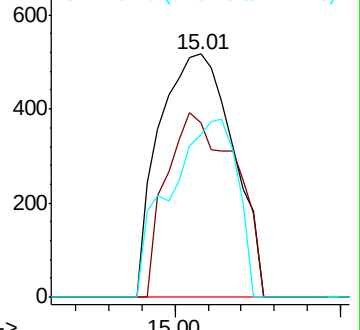
227 66.8 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.853 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059597.D

Acq: 16 Dec 2019 12:39

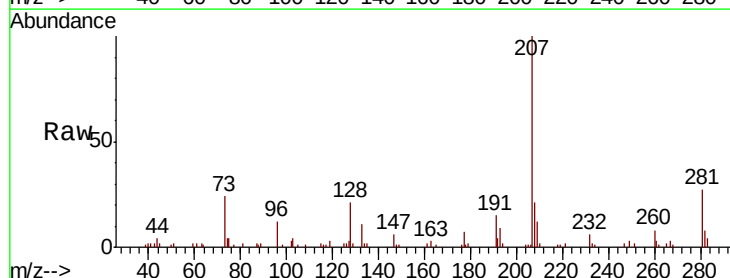
Tgt Ion:128 Resp: 6656

Ion Ratio Lower Upper

128 100

127 11.2 10.4 15.6

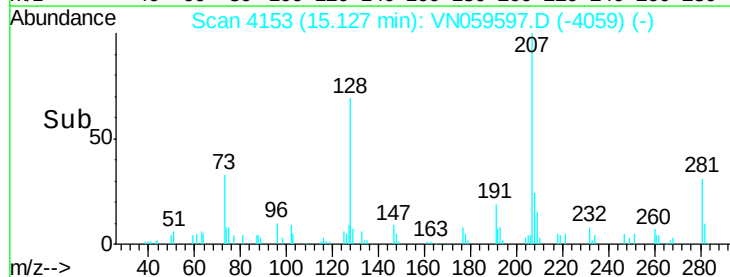
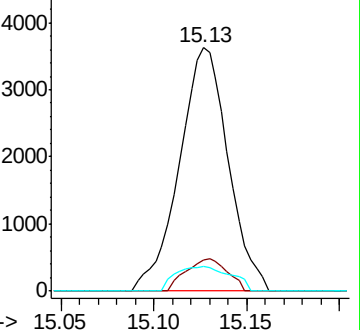
129 11.4 8.6 12.8

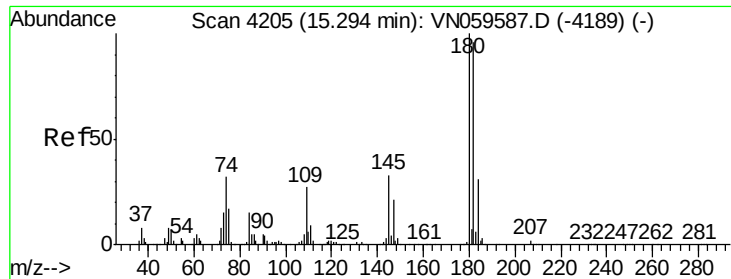


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.856 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN059597.D
 Acq: 16 Dec 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.6	47.4	142.3
145	50.2	16.3	48.9

