

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059620.D
 Acq On : 17 Dec 2019 13:16
 Operator : JC/SP
 Sample : VN1217MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBL01

Quant Time: Dec 18 05:45:47 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	222277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115137	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	155611	48.11	ug/l	0.00
Spiked Amount						
			Recovery	=	96.22%	
35) Dibromofluoromethane	7.56	113	113246	51.16	ug/l	0.00
Spiked Amount						
			Recovery	=	102.32%	
50) Toluene-d8	10.08	98	436737	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	139335	43.57	ug/l	0.00
Spiked Amount						
			Recovery	=	87.14%	

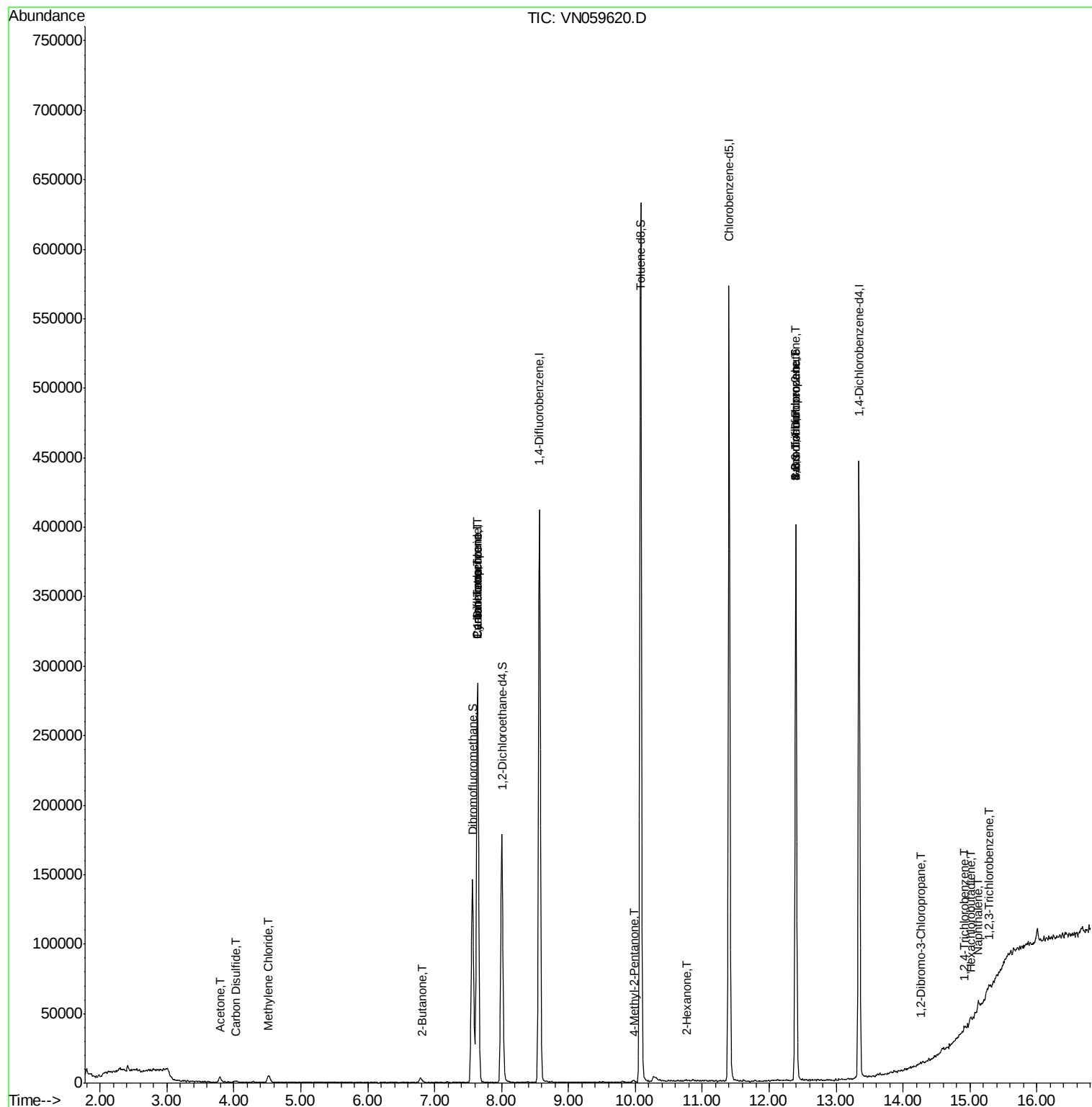
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5885	3.065	ug/l	99
17) Carbon Disulfide	4.03	76	2036	2.117	ug/l #	75
20) Methylene Chloride	4.52	84	3876	1.398	ug/l	86
25) 2-Butanone	6.82	43	1131	0.493	ug/l #	50
31) Cyclohexane	7.64	56	5456	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	18971	5.142	ug/l #	51
38) Carbon Tetrachloride	7.64	117	22267	5.817	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	1091	0.274	ug/l	98
59) 2-Hexanone	10.75	43	1074	0.343	ug/l #	60
71) Bromoform	12.40	173	909	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	75603	26.525	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75603	65.513	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	732	2.498	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	1150	0.442	ug/l	97
94) Hexachlorobutadiene	15.01	225	578	2.060	ug/l	86
95) Naphthalene	15.13	128	5206	0.670	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.29	180	1906	0.724	ug/l	85

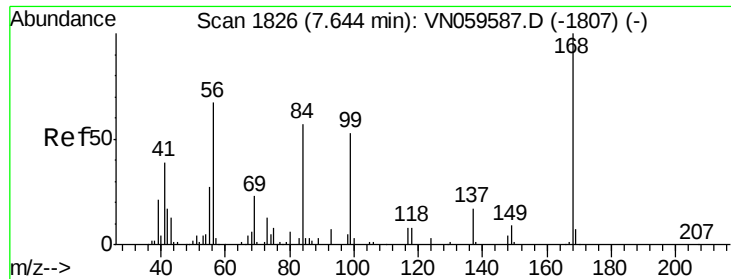
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121719\
Data File : VN059620.D
Acq On : 17 Dec 2019 13:16
Operator : JC/SP
Sample : VN1217MBL01
Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBL01

Quant Time: Dec 18 05:45:47 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: VN059620.D

Acq: 17 Dec 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

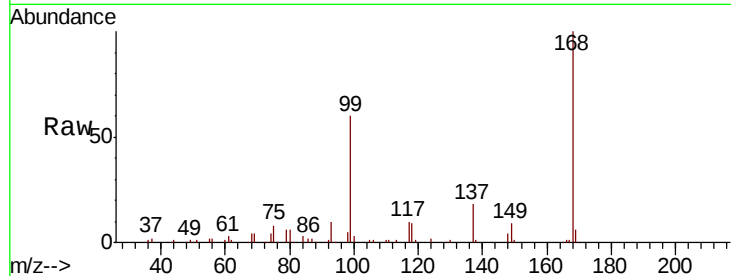
VN1217MBL01

Tot Ion:168 Resp: 222277

Ion Ratio Lower Upper

168 100

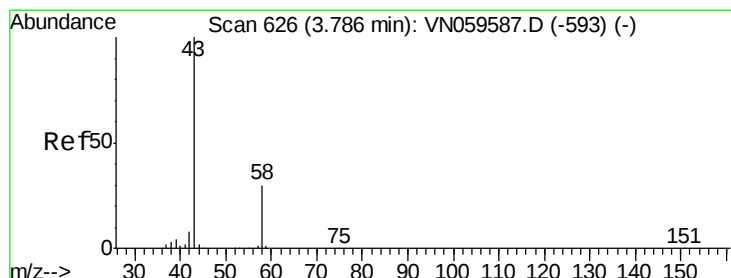
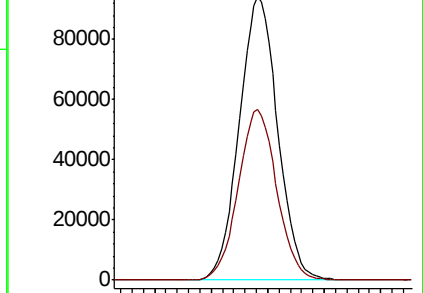
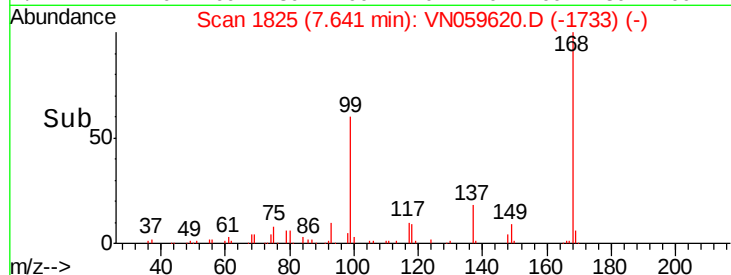
99 60.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64



#16

Acetone

Concen: 3.065 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059620.D

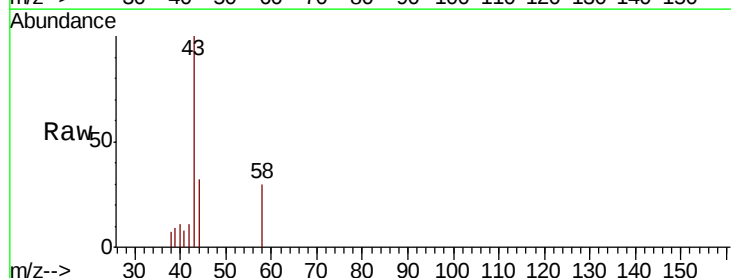
Acq: 17 Dec 2019 13:16

Tgt Ion: 43 Resp: 5885

Ion Ratio Lower Upper

43 100

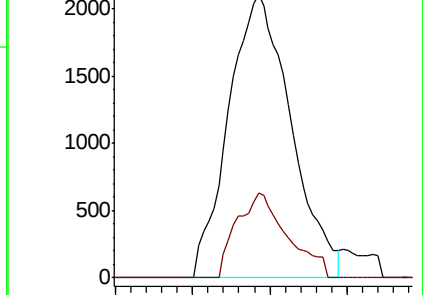
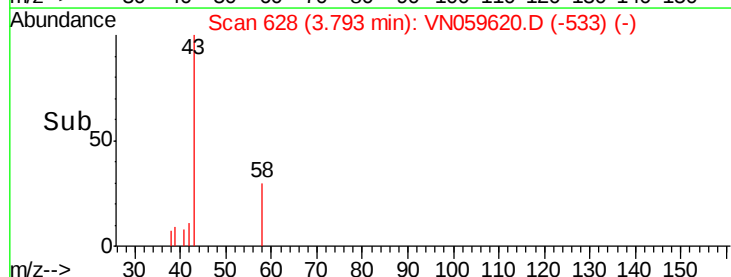
58 29.9 23.6 35.4

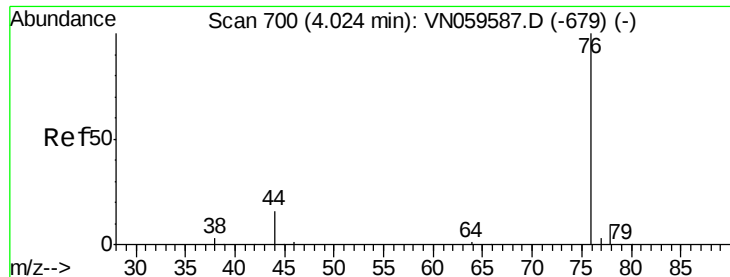


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

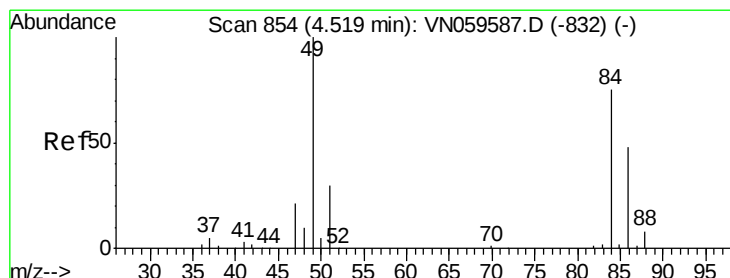
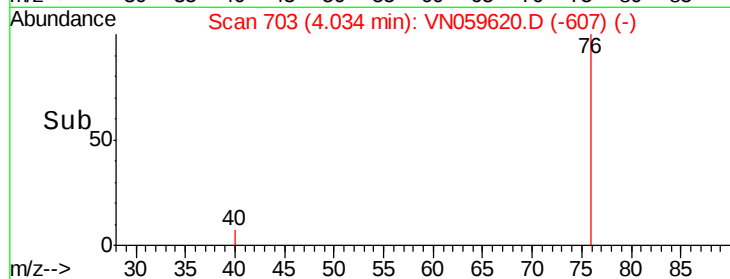
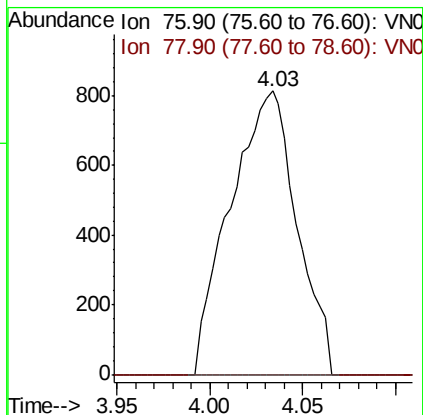
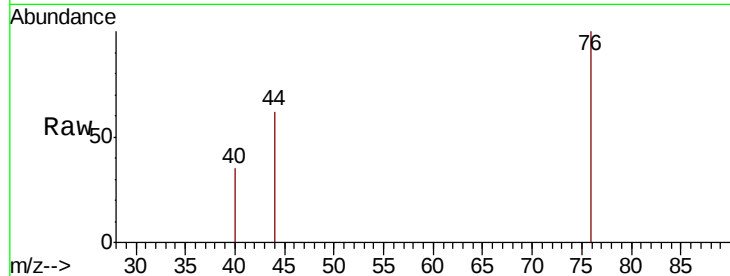




#17
Carbon Disulfide
Concen: 2.117 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN059620.D
Acq: 17 Dec 2019 13:16

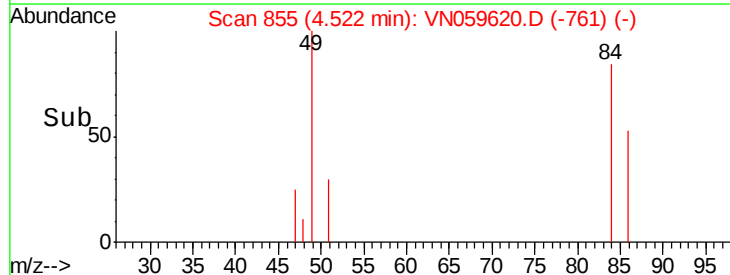
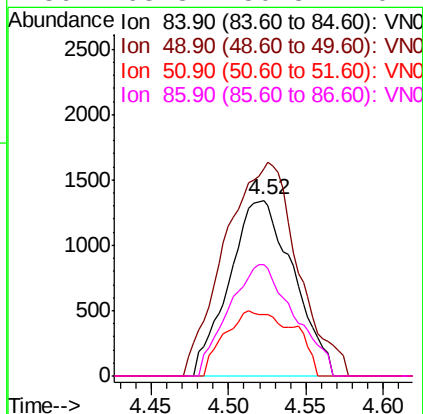
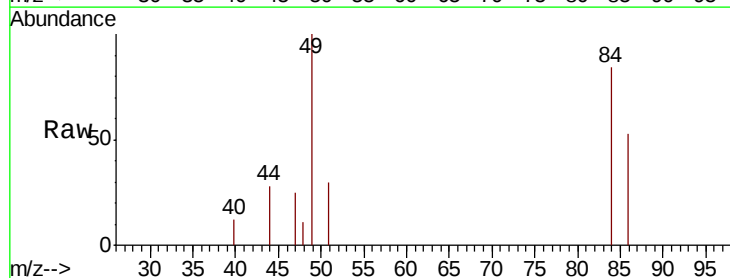
Instrument :
MSVOA_N
ClientSampleId :
VN1217MBL01

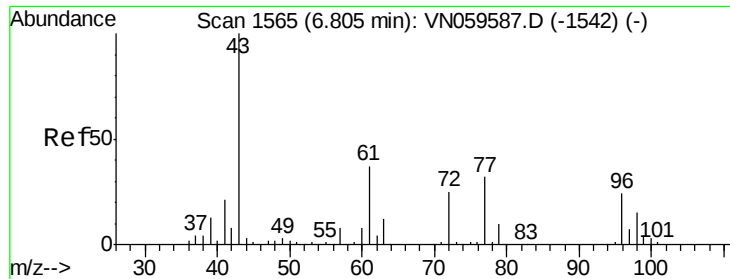
Tot Ion: 76 Resp: 2036
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 1.398 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059620.D
Acq: 17 Dec 2019 13:16

Tgt Ion: 84 Resp: 3876
Ion Ratio Lower Upper
84 100
49 107.1 106.6 160.0
51 35.0 31.9 47.9
86 63.3 50.8 76.2

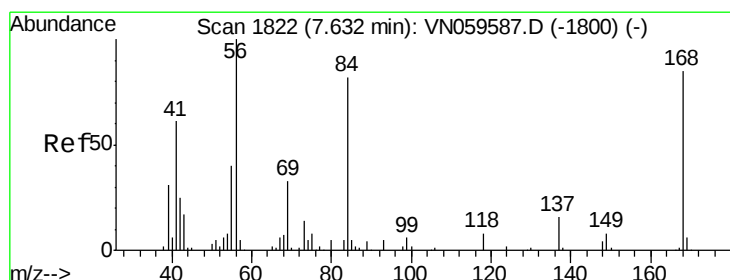
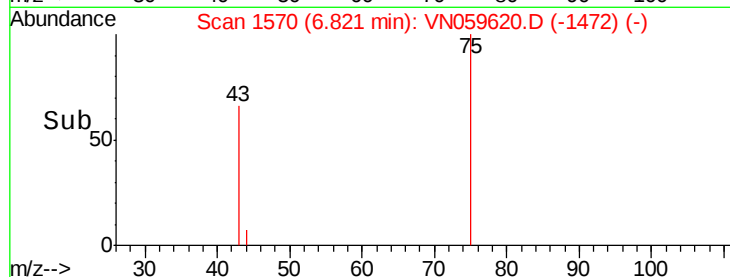
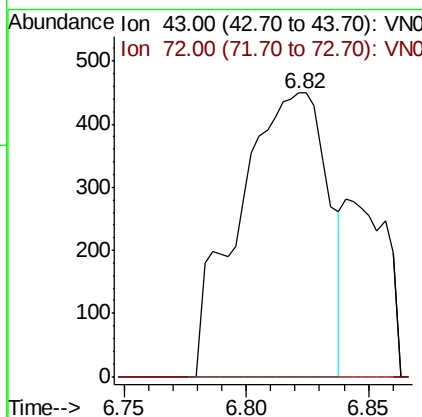
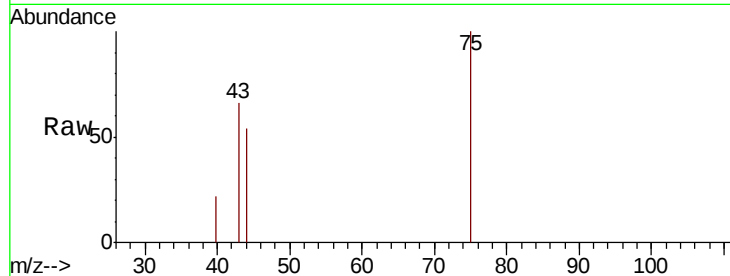




#25
2-Butanone
Concen: 0.493 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059620.D
Acq: 17 Dec 2019 13:16

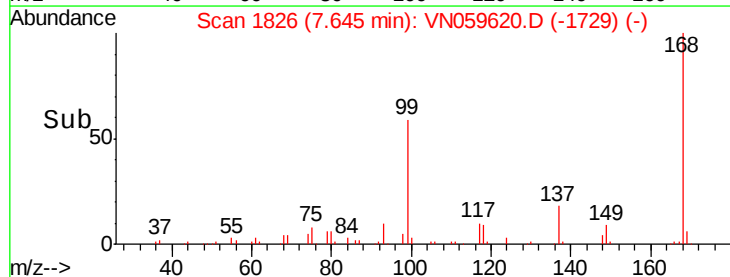
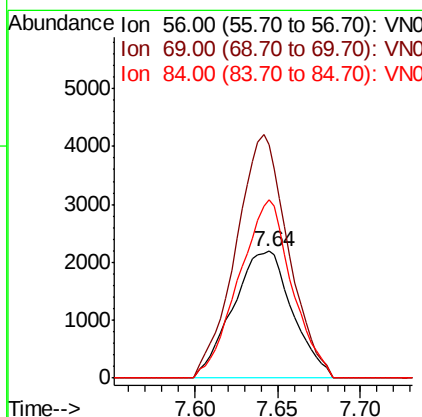
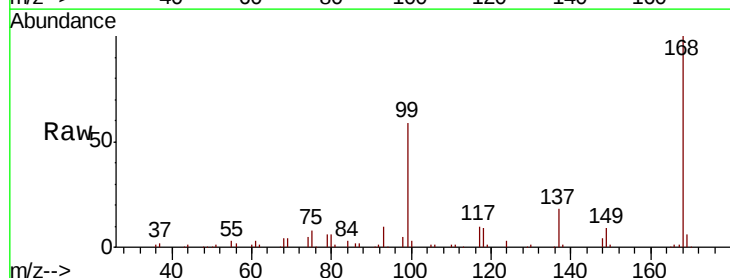
Instrument :
MSVOA_N
ClientSampleId :
VN1217MBL01

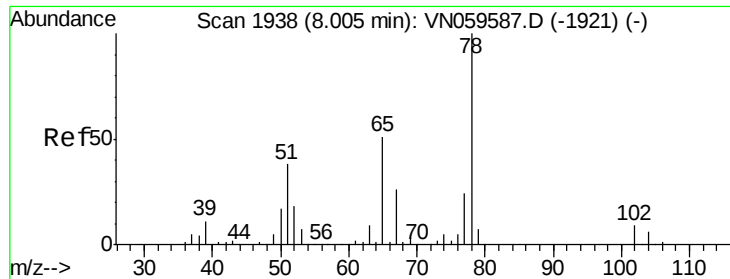
Tot Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059620.D
Acq: 17 Dec 2019 13:16

Tgt Ion: 56 Resp: 5456
Ion Ratio Lower Upper
56 100
69 184.0 26.5 39.7#
84 140.7 65.3 97.9#

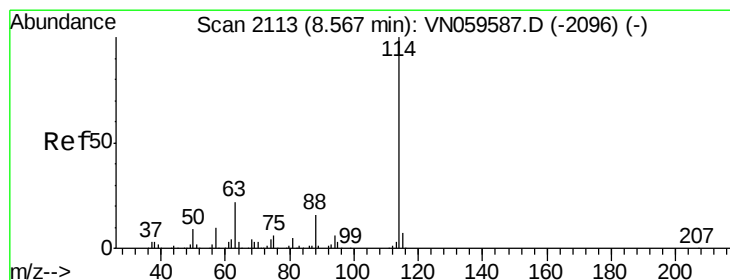
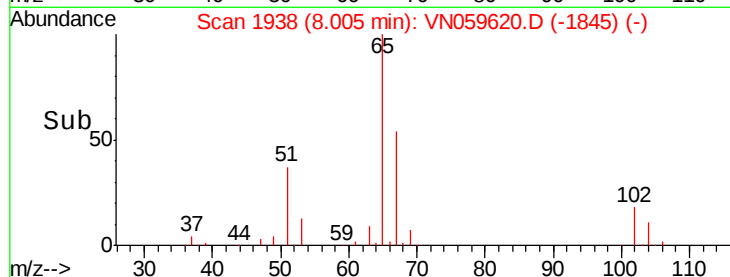
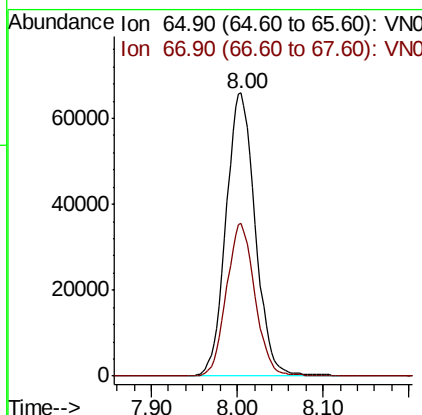
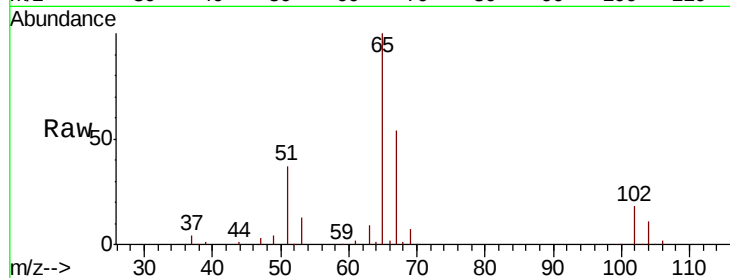




#33
 1,2-Dichloroethane-d4
 Concen: 48.110 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059620.D
 Acq: 17 Dec 2019 13:16

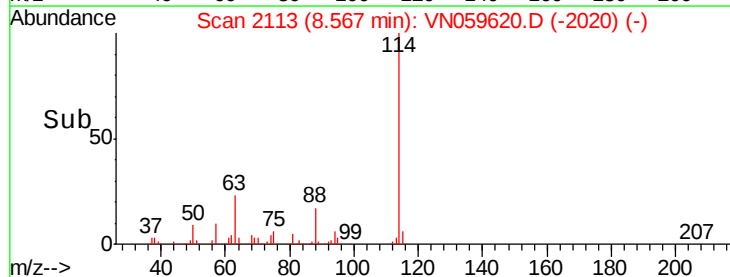
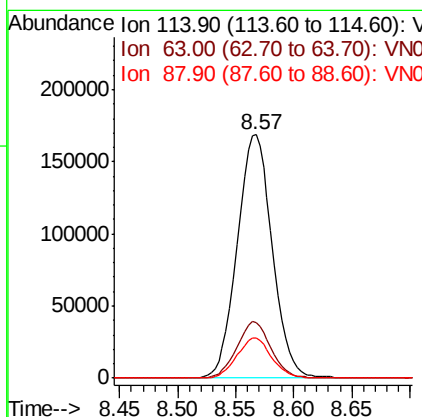
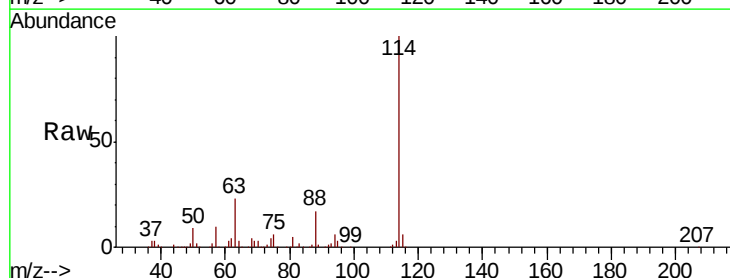
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBL01

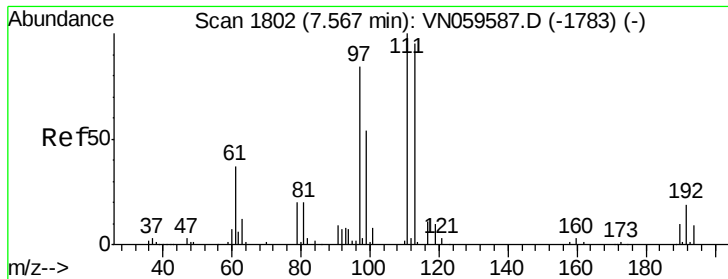
Tot Ion: 65 Resp: 155611
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059620.D
 Acq: 17 Dec 2019 13:16

Tgt Ion: 114 Resp: 353757
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.6
 88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.164 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBL01

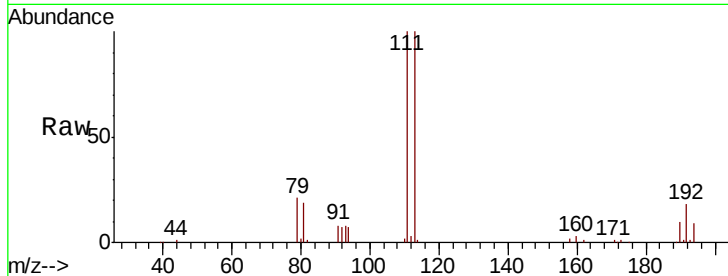
Tot Ion:113 Resp: 113246

Ion Ratio Lower Upper

113 100

111 102.1 83.5 125.3

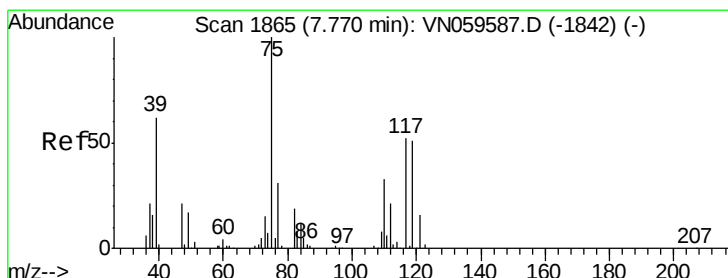
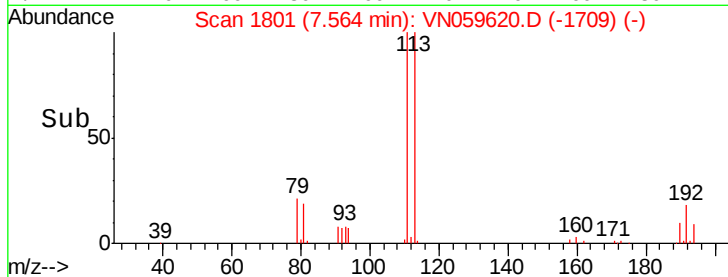
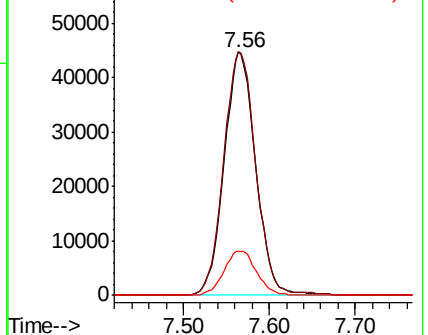
192 18.7 15.4 23.2



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: 5.142 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

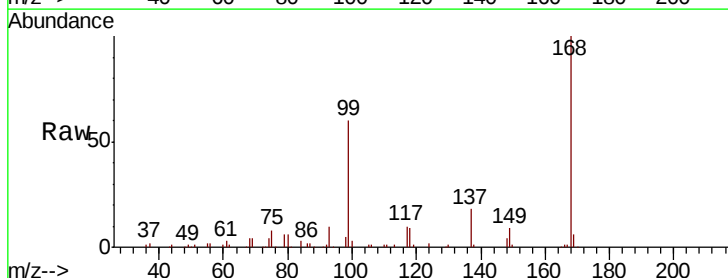
Tgt Ion: 75 Resp: 18971

Ion Ratio Lower Upper

75 100

110 9.1 16.6 49.7#

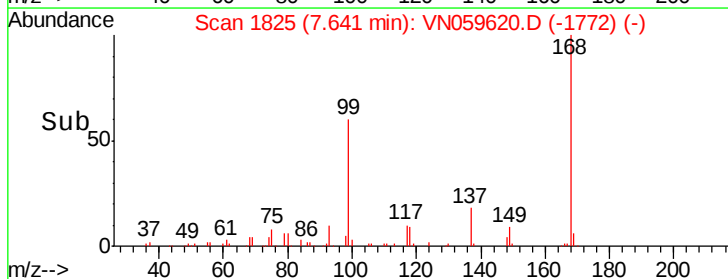
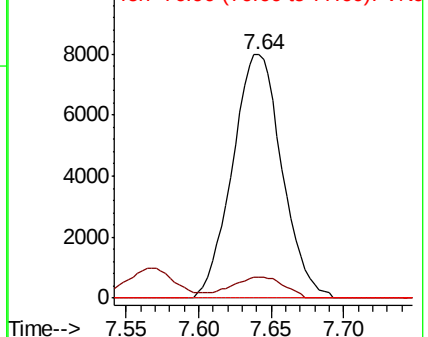
77 0.0 25.1 37.7#

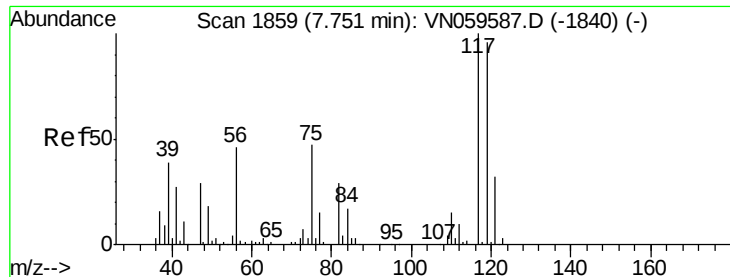


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.817 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBL01

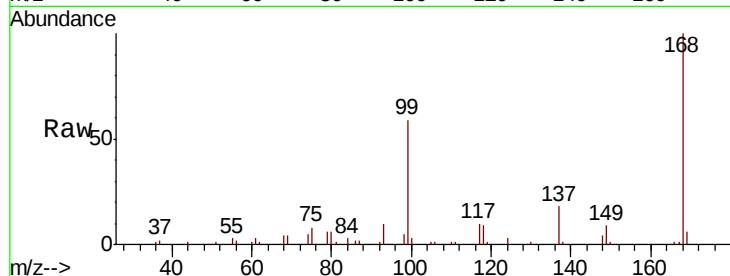
Tot Ion:117 Resp: 22267

Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

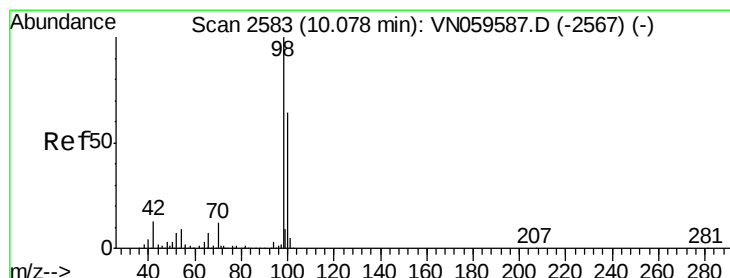
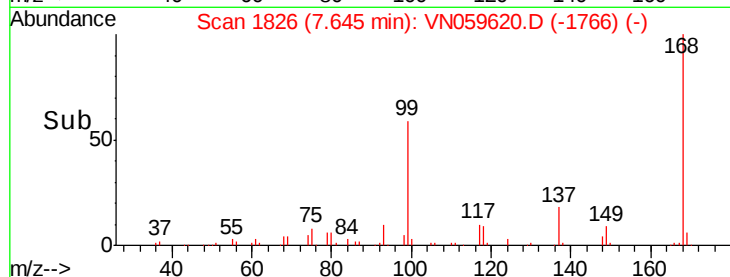
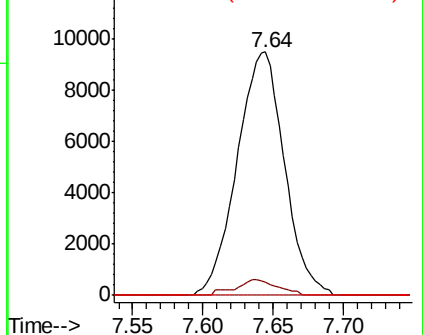
121 0.0 25.1 37.7#



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: 49.837 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059620.D

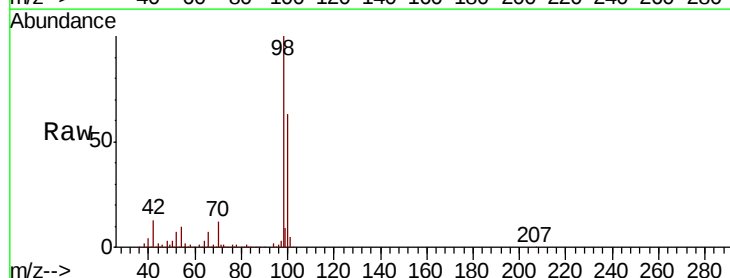
Acq: 17 Dec 2019 13:16

Tgt Ion: 98 Resp: 436737

Ion Ratio Lower Upper

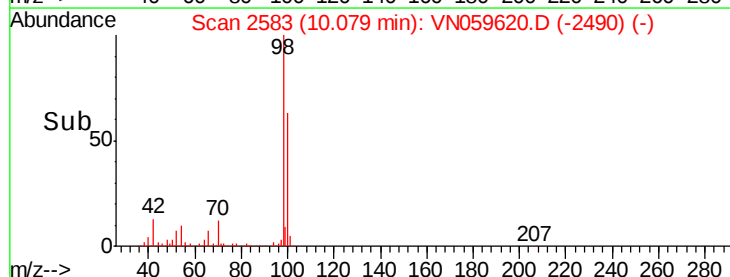
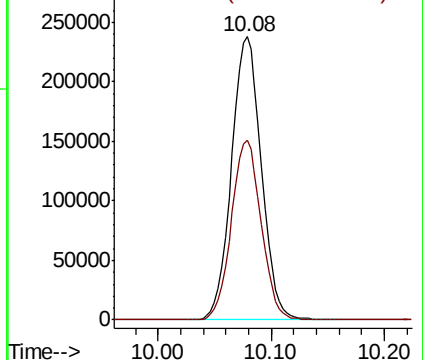
98 100

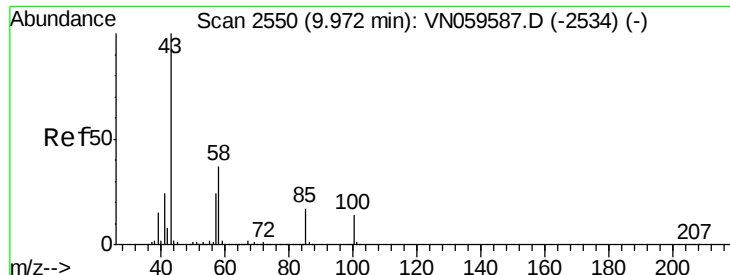
100 63.3 51.2 76.8



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: 0.274 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

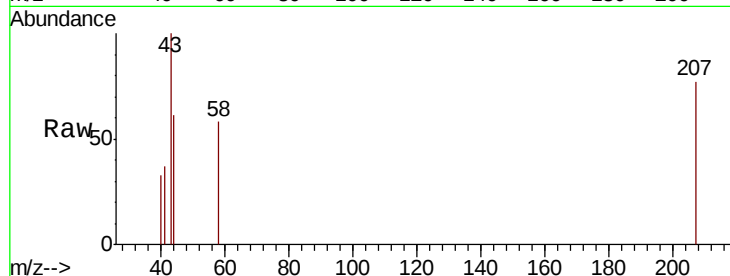
VN1217MBL01

Tot Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

58 38.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

600

500

400

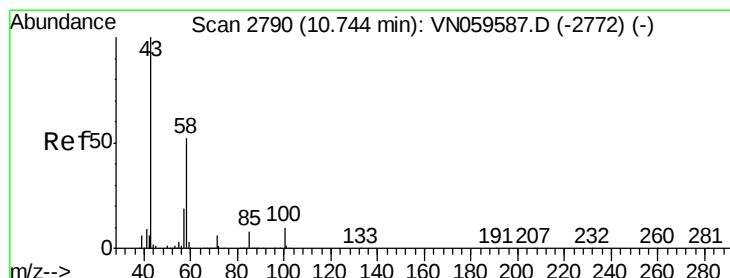
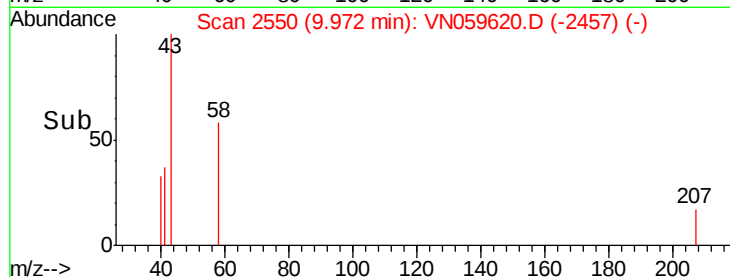
300

200

100

0

Time-->



#59

2-Hexanone

Concen: 0.343 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059620.D

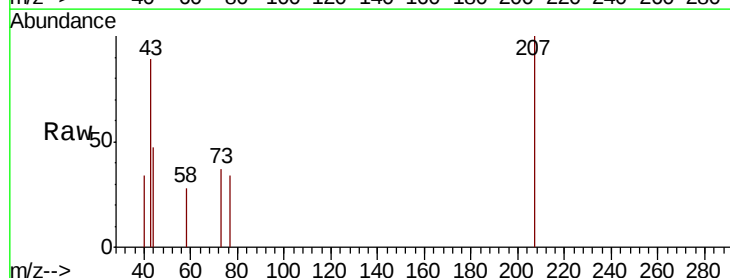
Acq: 17 Dec 2019 13:16

Tgt Ion: 43 Resp: 1074

Ion Ratio Lower Upper

43 100

58 23.2 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

500

400

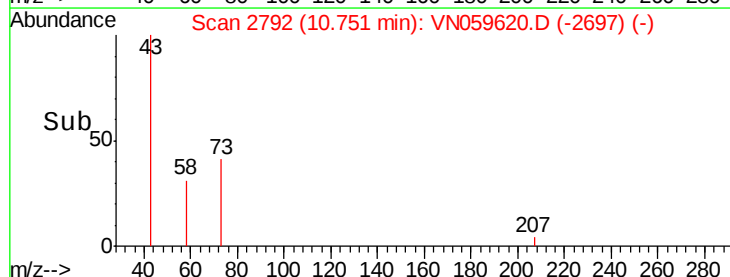
300

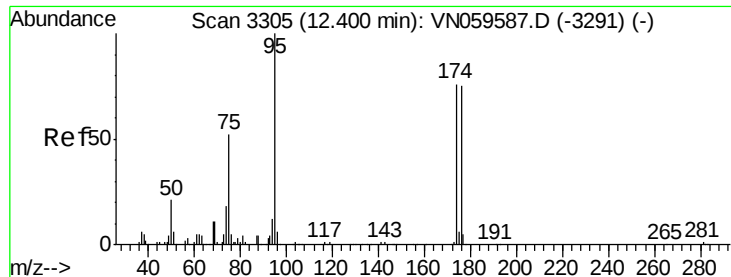
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 43.575 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

VN1217MBL01

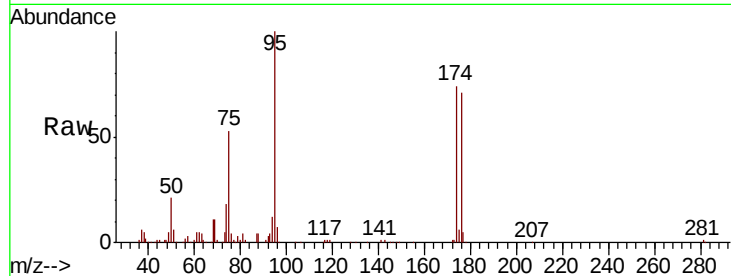
Tot Ion: 95 Resp: 139335

Ion Ratio Lower Upper

95 100

174 75.6 0.0 151.4

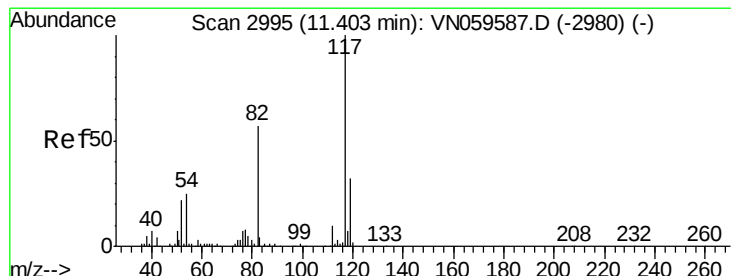
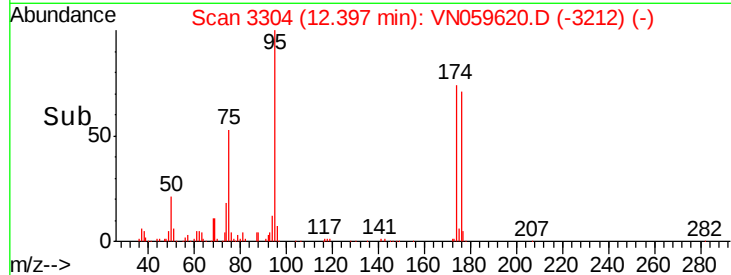
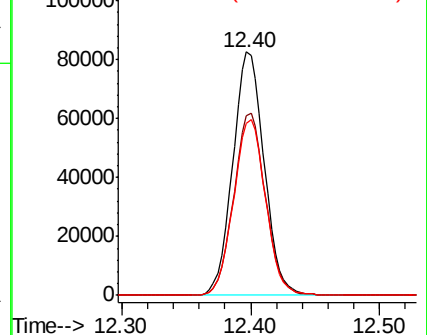
176 73.9 0.0 146.0



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: VN059620.D

Acq: 17 Dec 2019 13:16

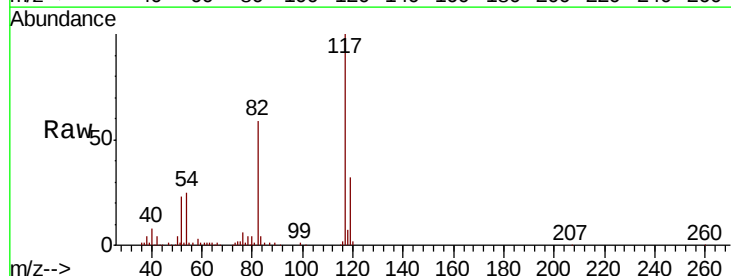
Tgt Ion: 117 Resp: 310680

Ion Ratio Lower Upper

117 100

82 58.6 45.9 68.9

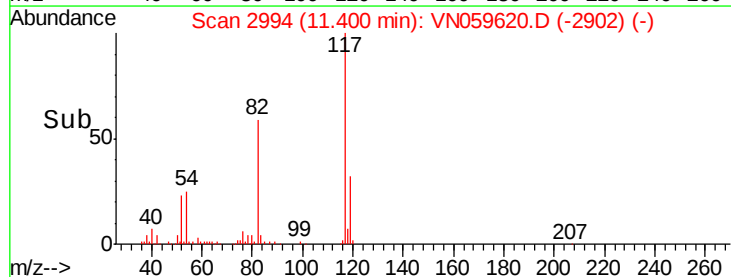
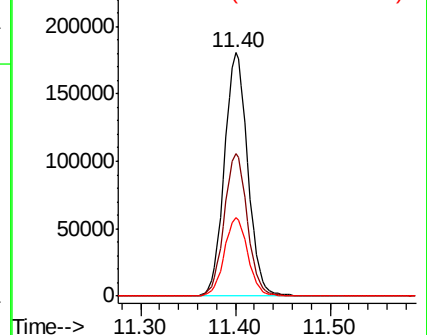
119 32.0 25.5 38.3

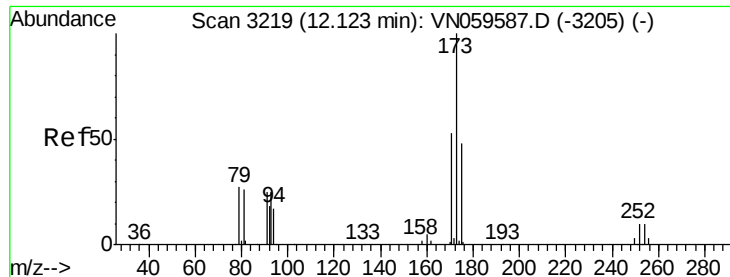


Abundance Ion 116.90 (116.60 to 117.60): VN059587.D (-2980) (-)

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: 0.474 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBL01

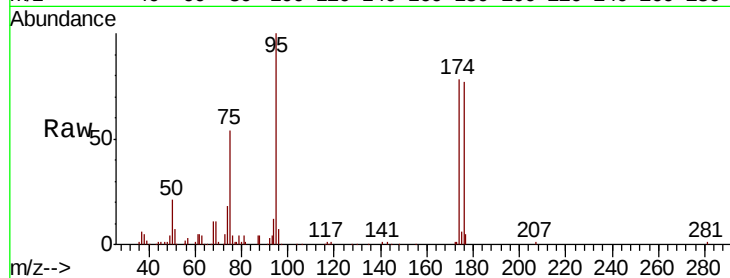
Tot Ion:173 Resp: 909

Ion Ratio Lower Upper

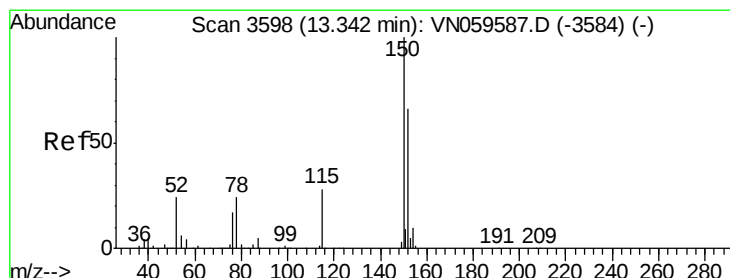
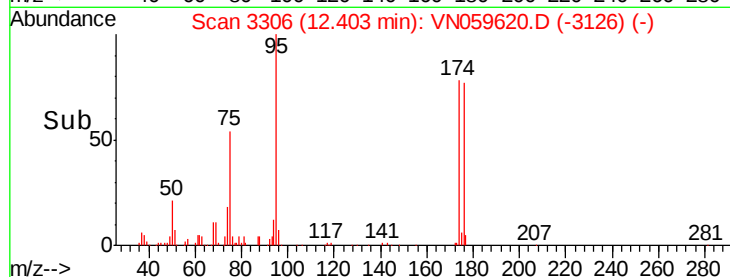
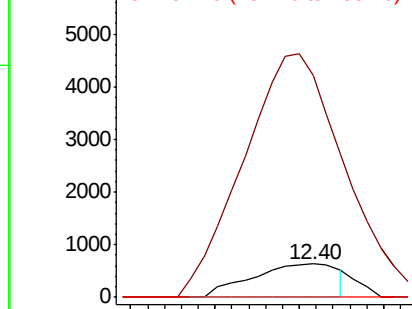
173 100

175 728.3 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: VN059620.D

Acq: 17 Dec 2019 13:16

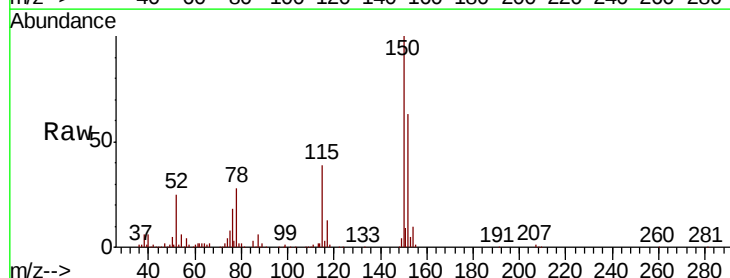
Tgt Ion:152 Resp: 115137

Ion Ratio Lower Upper

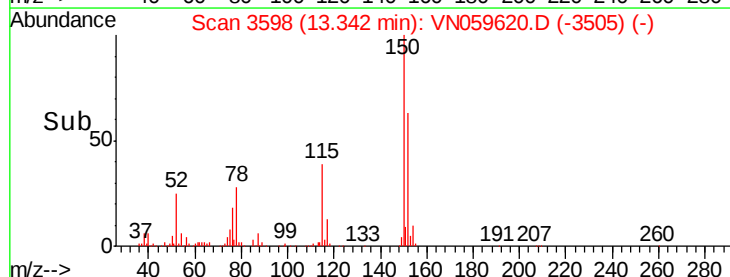
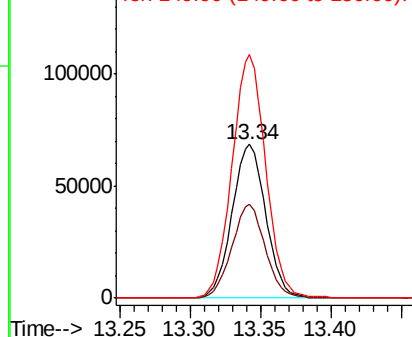
152 100

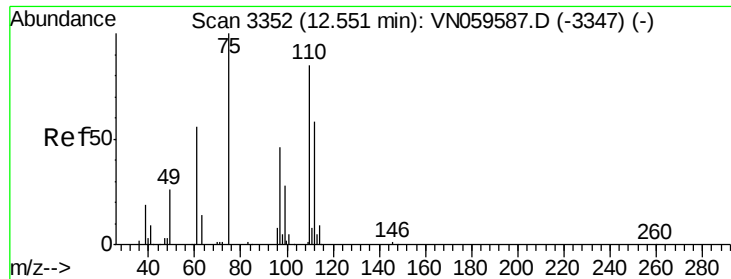
115 60.3 30.3 90.9

150 157.9 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

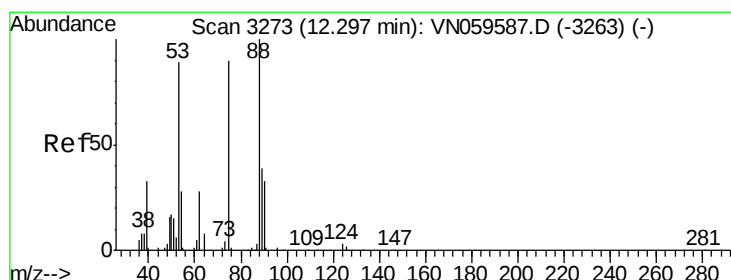
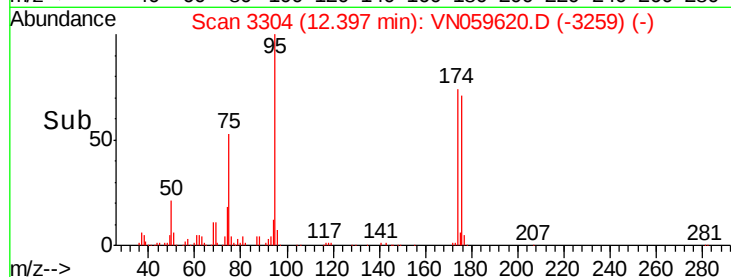
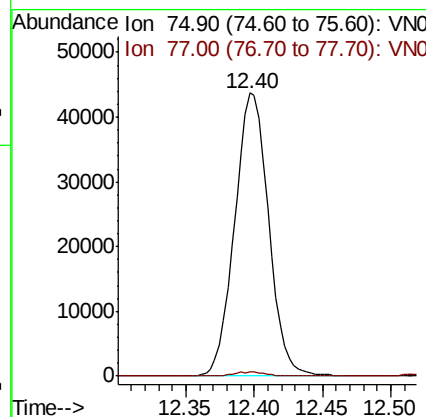
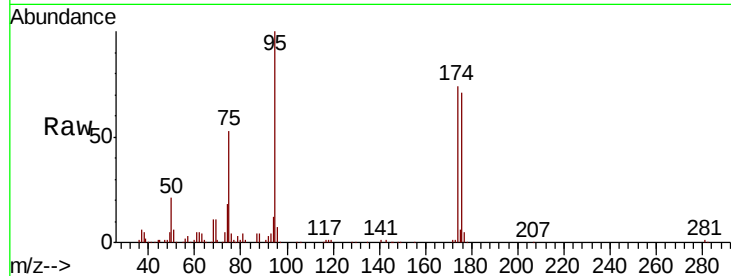




#76
 1,2,3-Trichloropropane
 Concen: 26.525 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN059620.D
 Acq: 17 Dec 2019 13:16

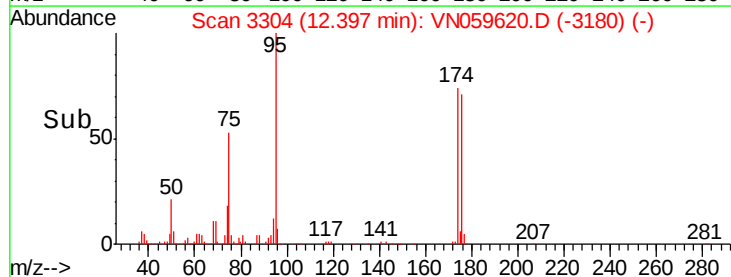
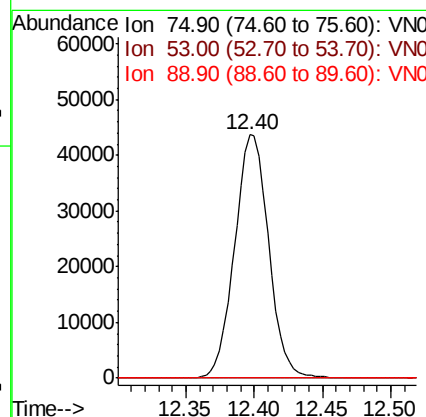
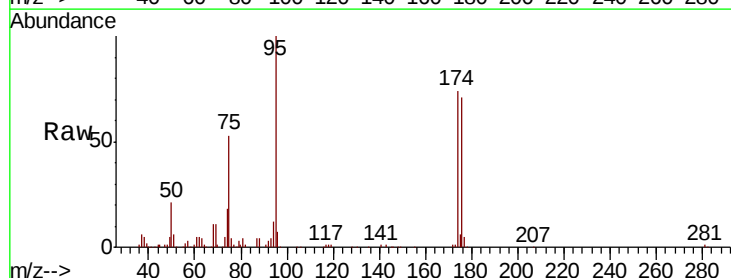
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBL01

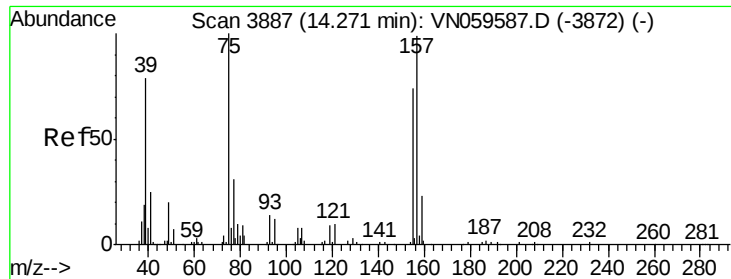
Tot Ion: 75 Resp: 75603
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.513 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059620.D
 Acq: 17 Dec 2019 13:16

Tgt Ion: 75 Resp: 75603
 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: 2.498 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBL01

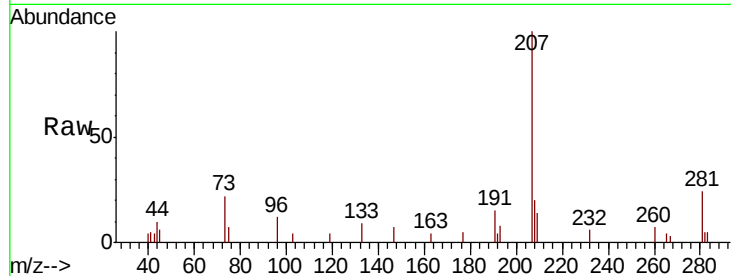
Tot Ion: 75 Resp: 732

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

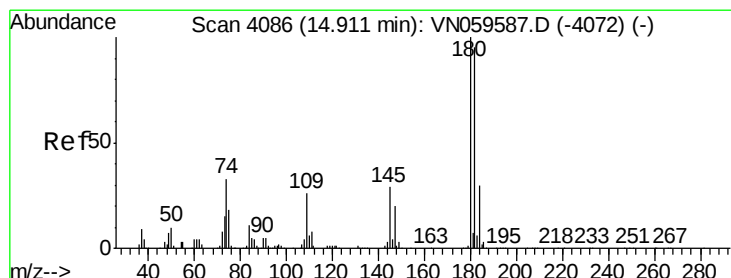
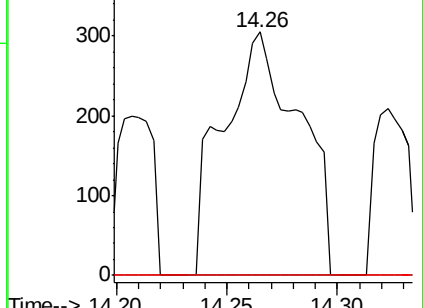
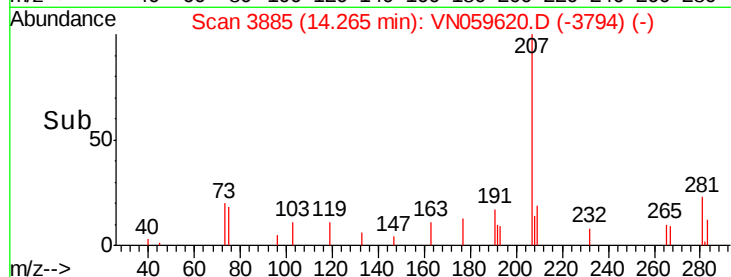
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059620.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN059620.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN059620.D (-3794) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.442 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

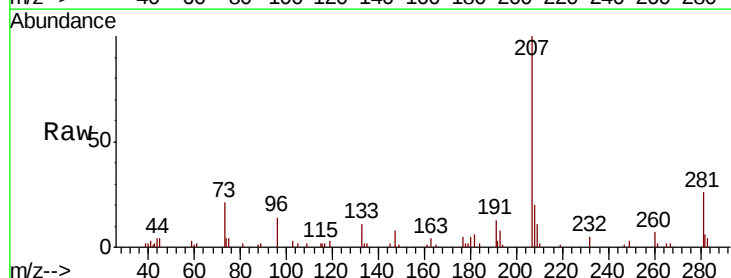
Tgt Ion: 180 Resp: 1150

Ion Ratio Lower Upper

180 100

182 91.8 46.9 140.7

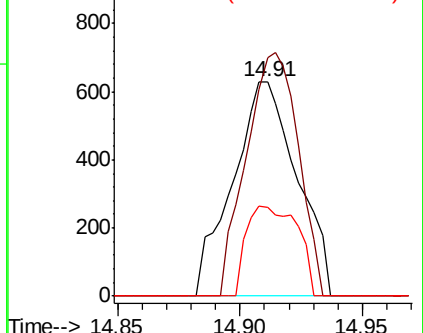
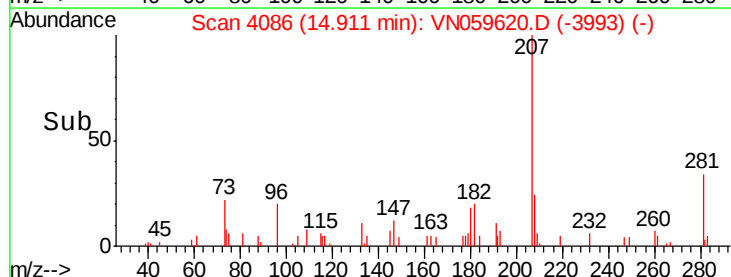
145 33.3 15.0 45.1

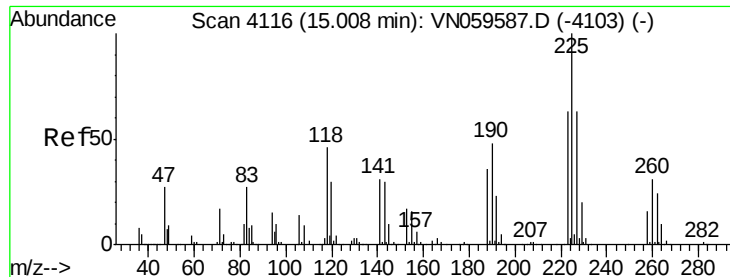


Abundance Ion 179.80 (179.50 to 180.50): VN059620.D (-3993) (-)

Ion 181.80 (181.50 to 182.50): VN059620.D (-3993) (-)

Ion 144.80 (144.50 to 145.50): VN059620.D (-3993) (-)





#94

Hexachlorobutadiene

Concen: 2.060 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBL01

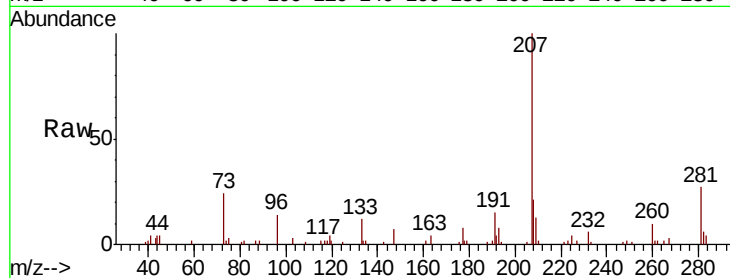
Tot Ion:225 Resp: 578

Ion Ratio Lower Upper

225 100

223 61.4 31.8 95.3

227 44.1 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

15.01

400

300

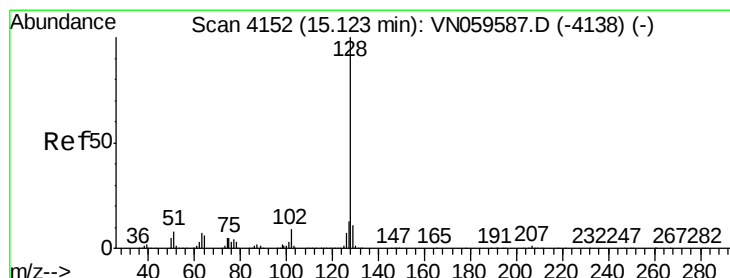
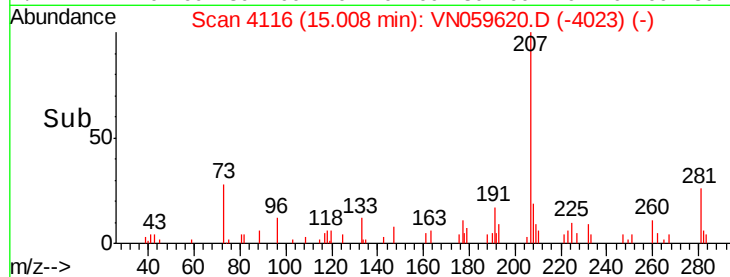
200

100

0

14.98 15.00 15.02 15.04

Time-->



#95

Naphthalene

Concen: 0.670 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059620.D

Acq: 17 Dec 2019 13:16

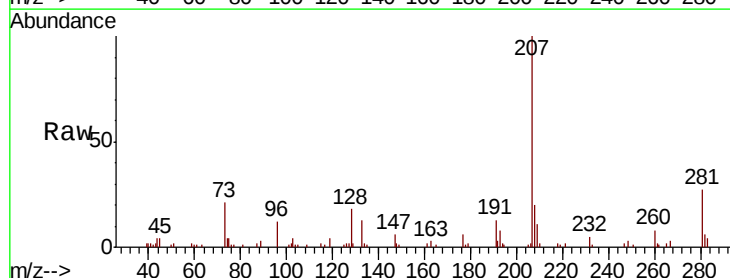
Tgt Ion:128 Resp: 5206

Ion Ratio Lower Upper

128 100

127 9.1 10.4 15.6#

129 9.7 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

15.13

3000

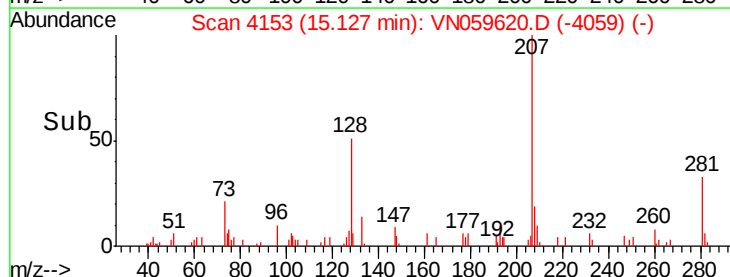
2000

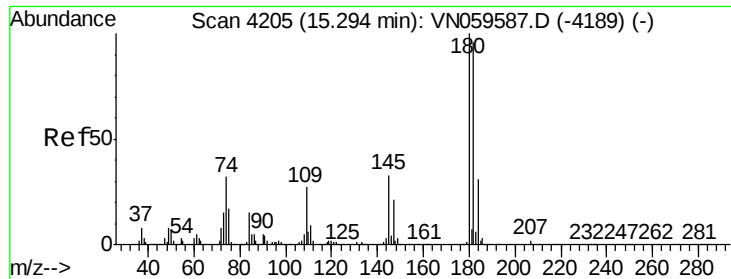
1000

0

15.05 15.10 15.15

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.724 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN059620.D
 Acq: 17 Dec 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	78.4	47.4	142.3
145	38.1	16.3	48.9

