

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019567.D
 Acq On : 23 Nov 2020 22:29
 Operator : JC/MD
 Sample : VX1123WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBL02

Quant Time: Nov 24 04:59:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	329916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	534741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	468888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201198	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	198906	46.50	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.00%	
35) Dibromofluoromethane		5.46	113	155926	46.45	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.90%	
50) Toluene-d8		8.70	98	631272	48.40	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.80%	
62) 4-Bromofluorobenzene		11.12	95	215720	45.97	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.94%	

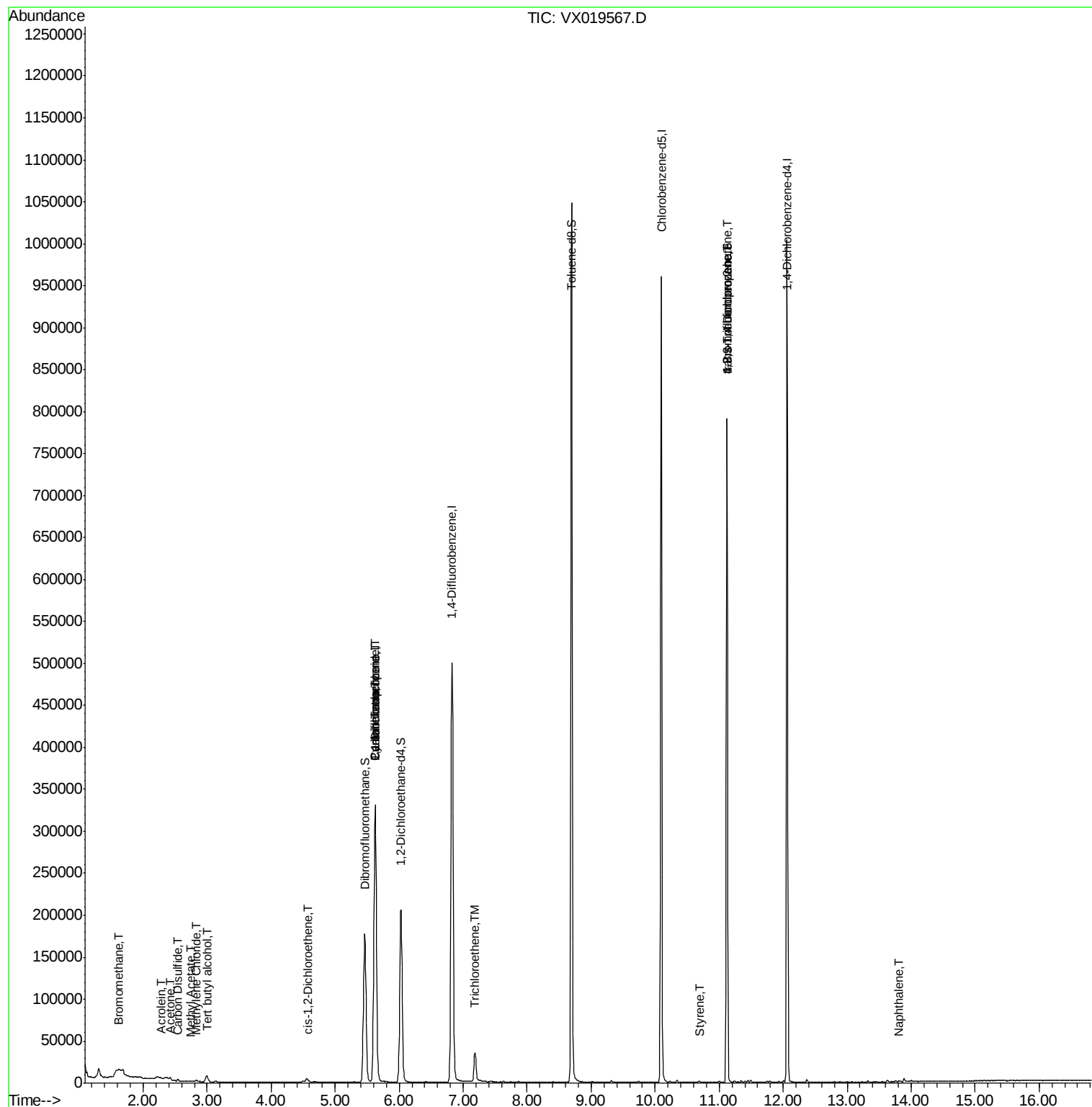
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	792	0.528	ug/l #	67
6) Chloroethane	1.68	64	85	Below Cal	#	41
11) Tert butyl alcohol	2.99	59	5076	6.270	ug/l #	74
13) Acrolein	2.28	56	189	0.347	ug/l #	1
16) Acetone	2.43	43	1712	1.035	ug/l #	86
17) Carbon Disulfide	2.54	76	2299	0.261	ug/l	96
18) Methyl Acetate	2.75	43	395	0.731	ug/l	91
20) Methylene Chloride	2.83	84	936	0.226	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	2186	0.513	ug/l	83
31) Cyclohexane	5.62	56	6735	1.211	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24078	4.803	ug/l #	50
38) Carbon Tetrachloride	5.62	117	32132	6.622	ug/l #	16
44) Trichloroethene	7.18	130	13471	3.339	ug/l	99
70) Styrene	10.70	104	432	1.683	ug/l #	85
76) 1,2,3-Trichloropropane	11.12	75	106390	24.230	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	106390	64.136	ug/l #	12
95) Naphthalene	13.82	128	1270	2.260	ug/l #	91

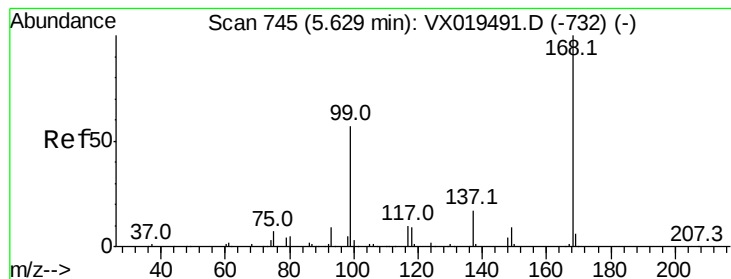
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

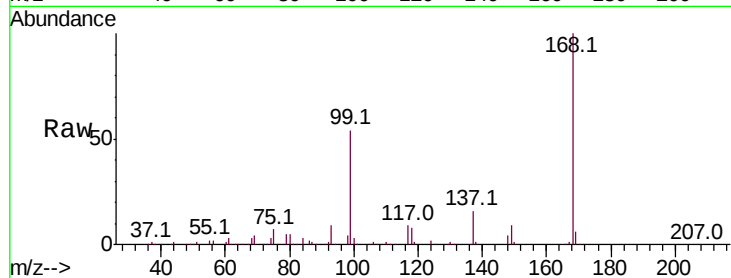
VX1123WBL02

Tot Ion:168 Resp: 329916

Ion Ratio Lower Upper

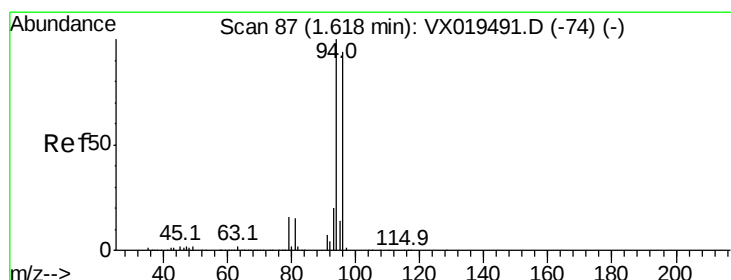
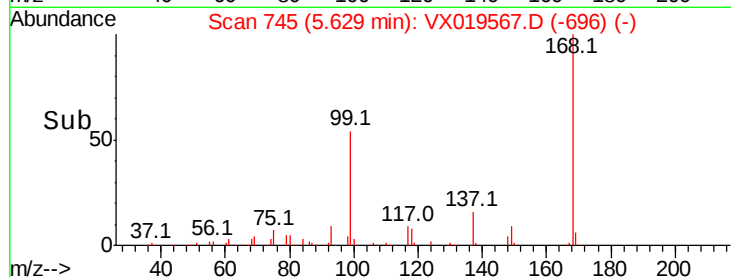
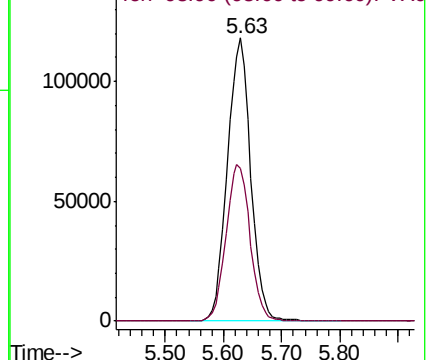
168 100

99 54.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.528 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019567.D

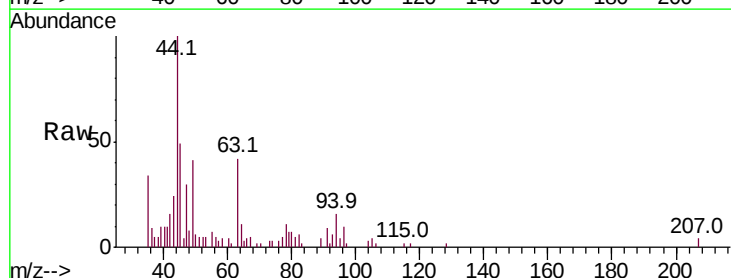
Acq: 23 Nov 2020 22:29

Tgt Ion: 94 Resp: 792

Ion Ratio Lower Upper

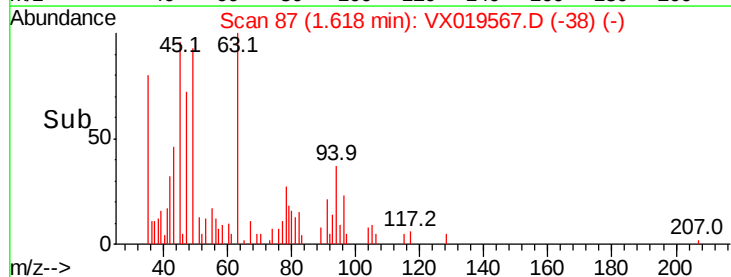
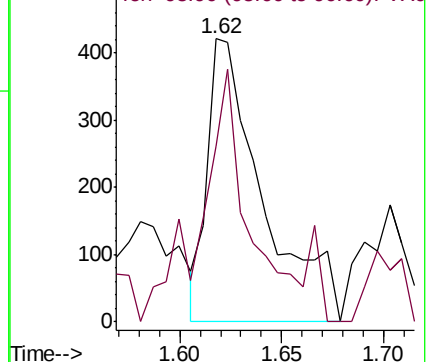
94 100

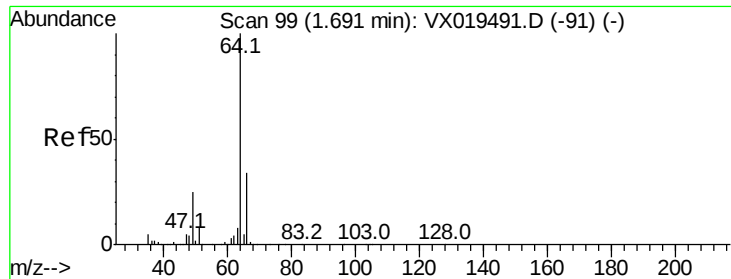
96 62.2 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 97

Delta R.T. -0.01 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

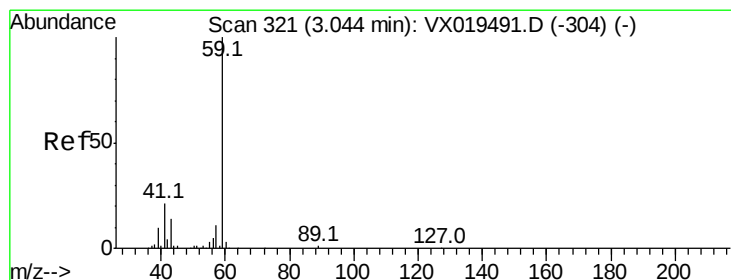
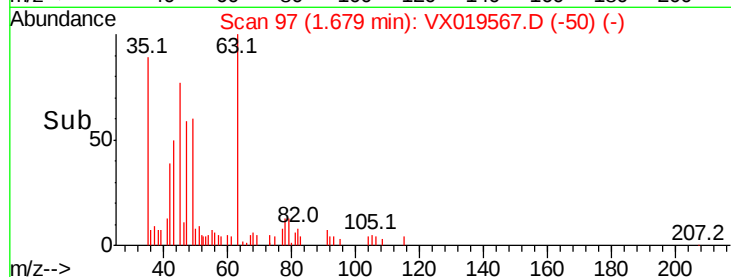
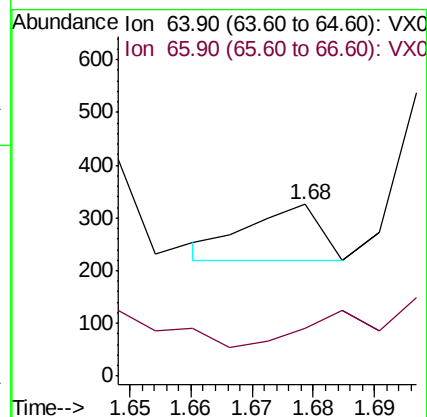
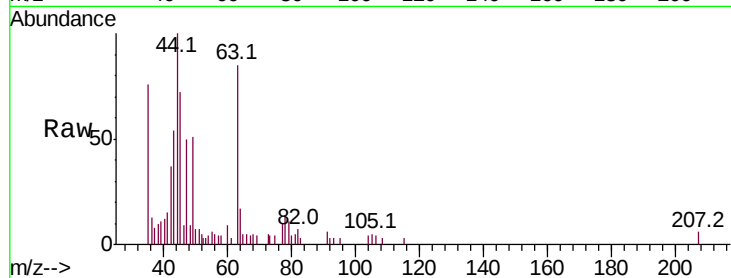
VX1123WBL02

Tot Ion: 64 Resp: 85

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



#11

Tert butyl alcohol

Concen: 6.270 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.05 min

Lab File: VX019567.D

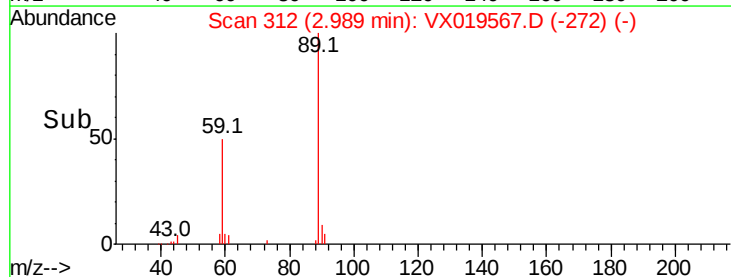
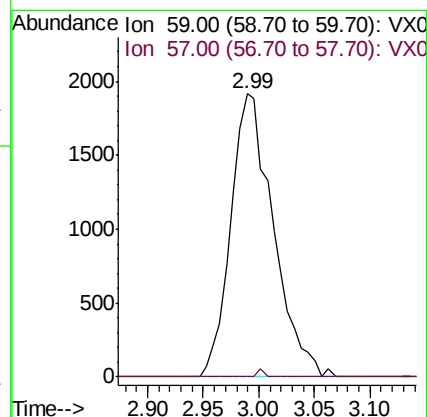
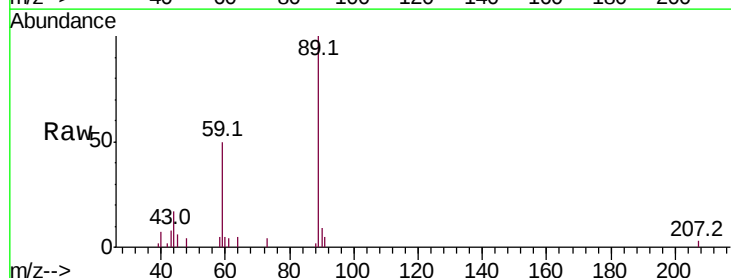
Acq: 23 Nov 2020 22:29

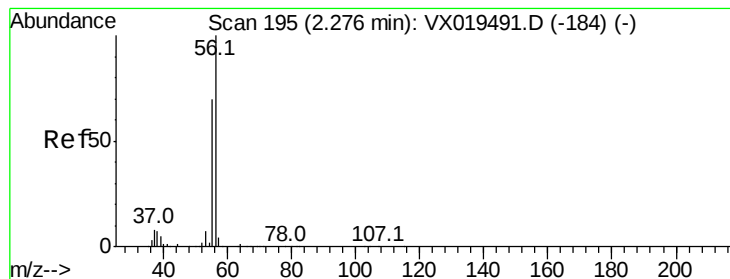
Tgt Ion: 59 Resp: 5076

Ion Ratio Lower Upper

59 100

57 0.4 7.9 11.9#





#13

Acrolein

Concen: 0.347 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

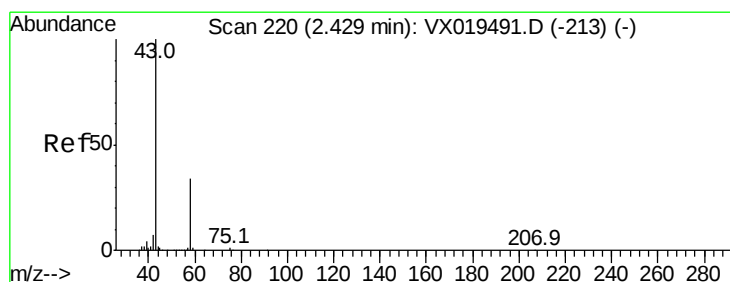
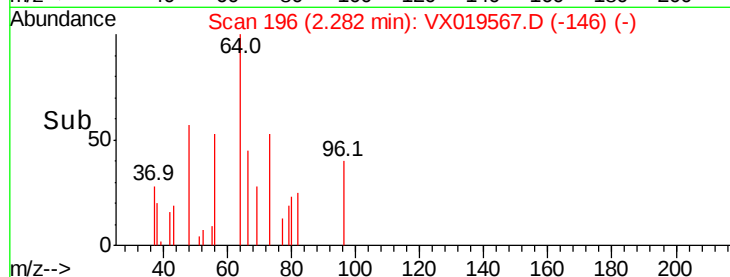
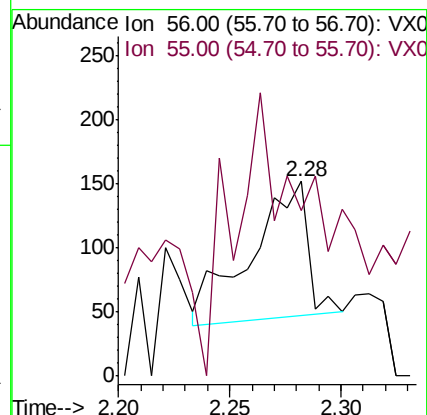
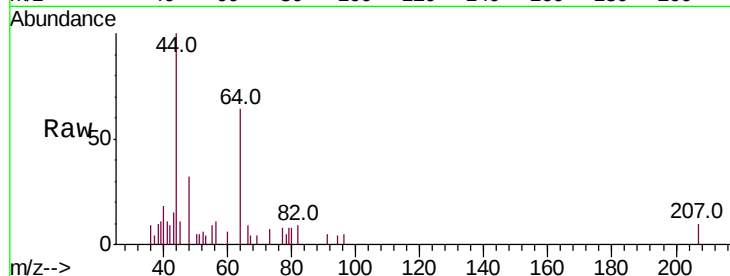
VX1123WBL02

Tot Ion: 56 Resp: 189

Ion Ratio Lower Upper

56 100

55 310.6 55.5 83.3#



#16

Acetone

Concen: 1.035 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019567.D

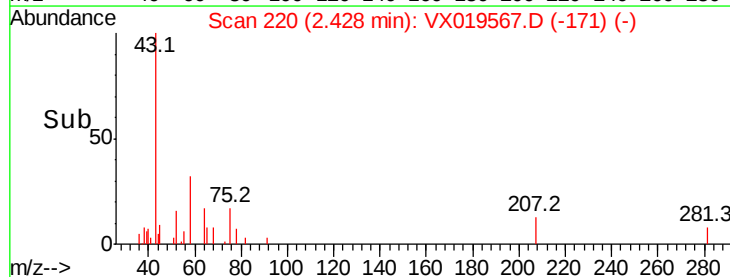
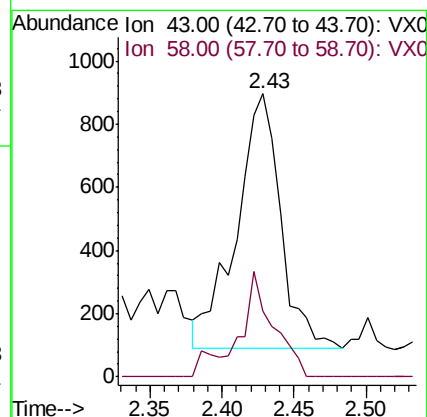
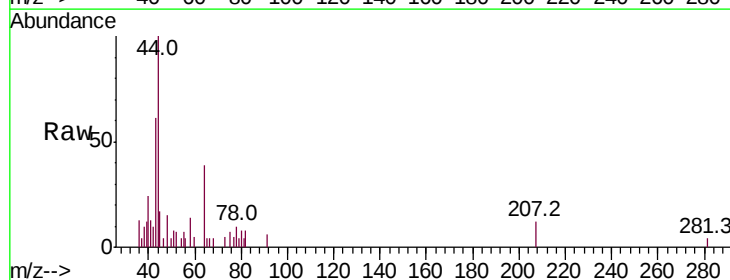
Acq: 23 Nov 2020 22:29

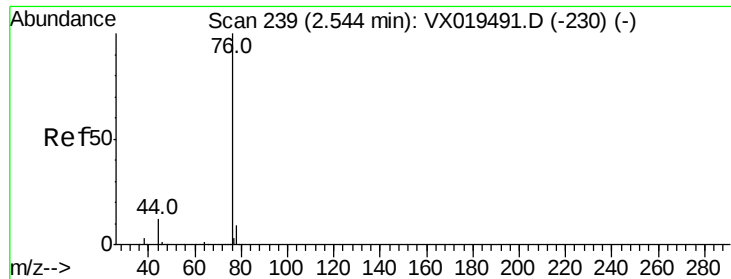
Tgt Ion: 43 Resp: 1712

Ion Ratio Lower Upper

43 100

58 26.1 27.4 41.2#

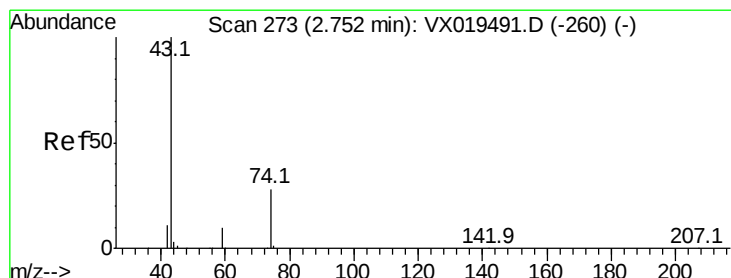
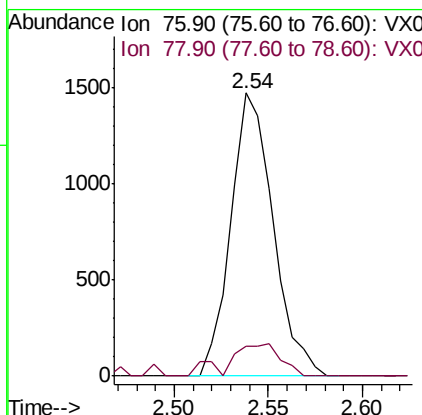
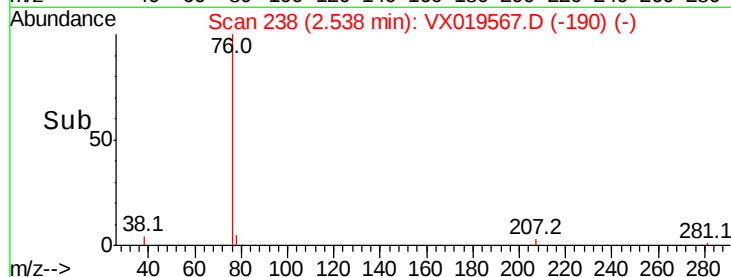
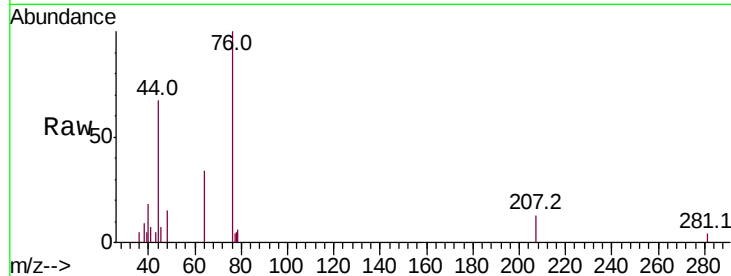




#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019567.D
Acq: 23 Nov 2020 22:29

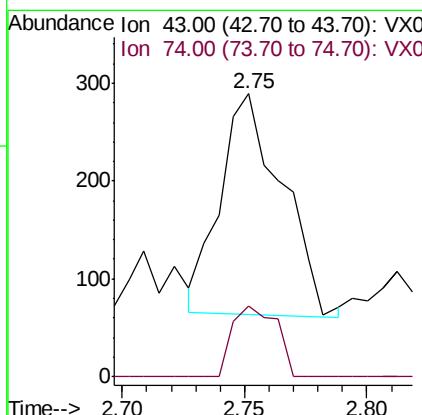
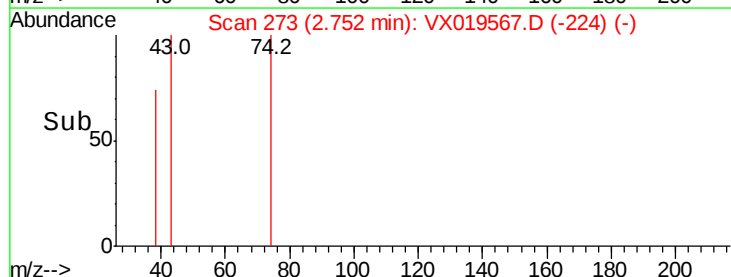
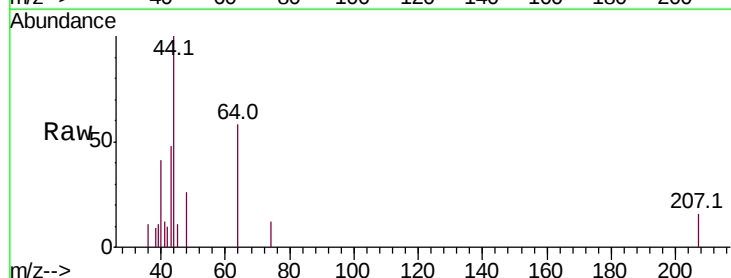
Instrument :
MSVOA_X
ClientSampleId :
VX1123WBL02

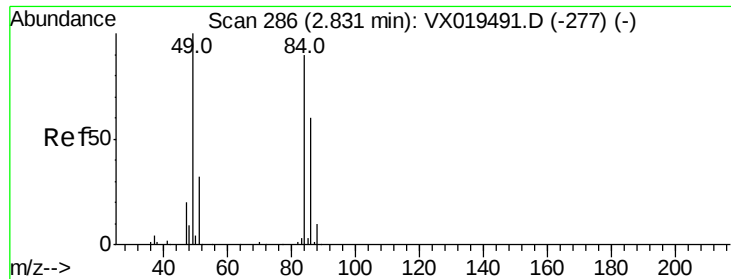
Tot Ion: 76 Resp: 2299
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8



#18
Methyl Acetate
Concen: 0.731 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019567.D
Acq: 23 Nov 2020 22:29

Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
74 23.0 22.2 33.4

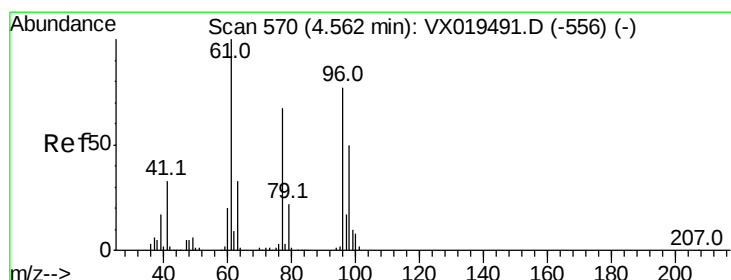
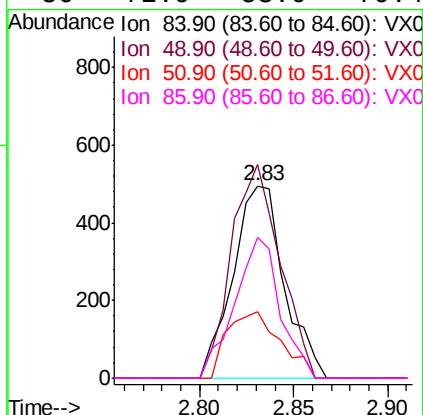
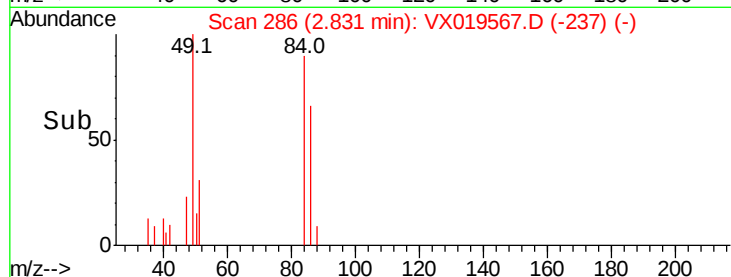
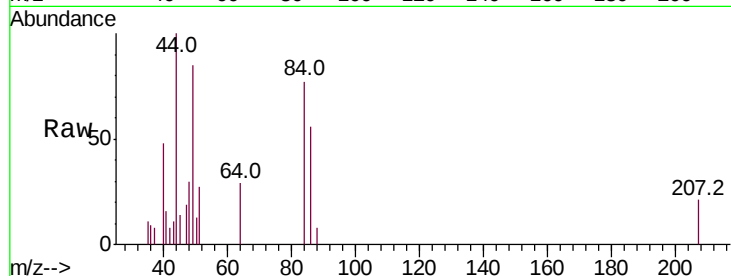




#20
Methvlene Chloride
Concen: 0.226 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019567.D
Acq: 23 Nov 2020 22:29

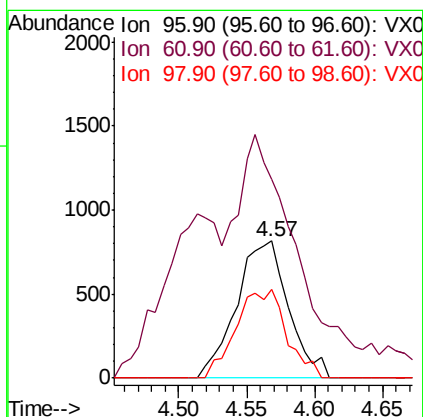
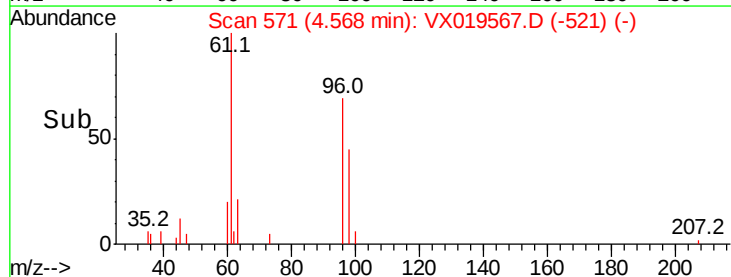
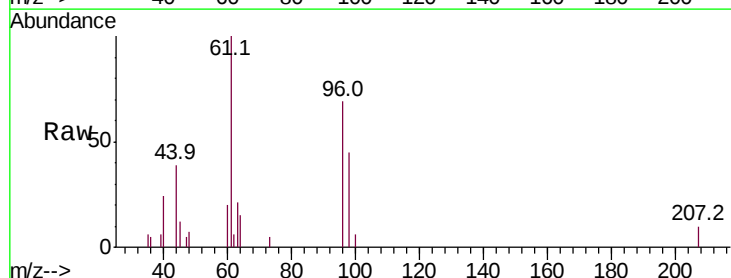
Instrument :
MSVOA_X
ClientSampleId :
VX1123WBL02

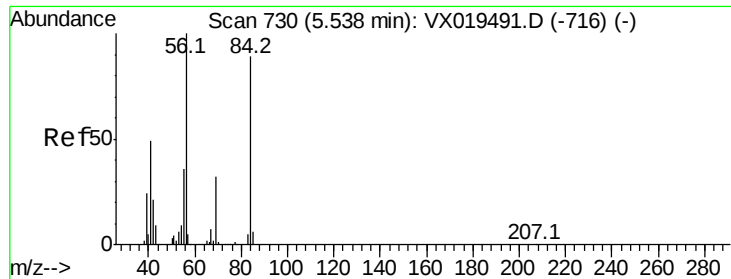
Tot Ion:	84	Resp:	936
Ion	Ratio	Lower	Upper
84	100		
49	111.1	88.5	132.7
51	34.7	28.0	42.0
86	72.9	53.0	79.4



#27
cis-1,2-Dichloroethene
Concen: 0.513 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019567.D
Acq: 23 Nov 2020 22:29

Tgt Ion:	96	Resp:	2186
Ion	Ratio	Lower	Upper
96	100		
61	168.3	0.0	279.2
98	62.5	0.0	129.8





#31

Cvclohexane

Concen: 1.211 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

VX1123WBL02

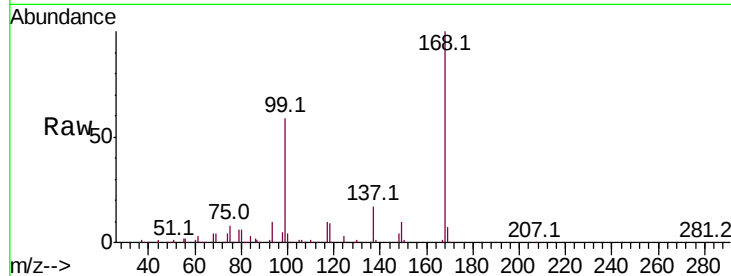
Tot Ion: 56 Resp: 6735

Ion Ratio Lower Upper

56 100

69 189.4 25.5 38.3#

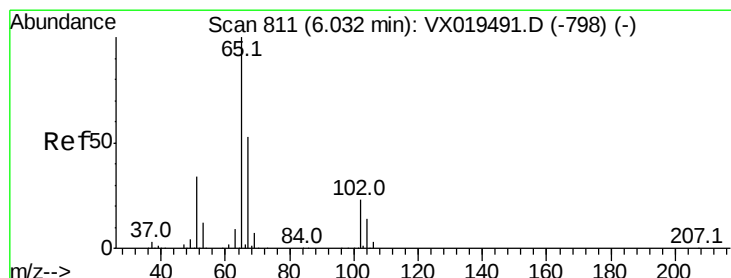
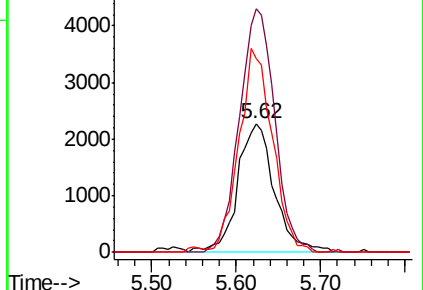
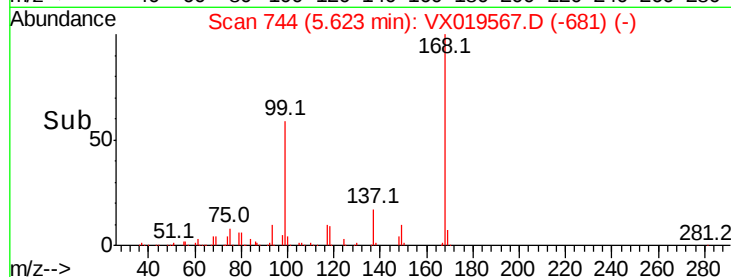
84 151.0 71.1 106.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.499 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019567.D

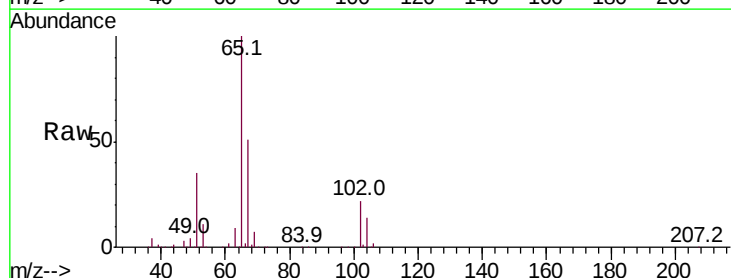
Acq: 23 Nov 2020 22:29

Tgt Ion: 65 Resp: 198906

Ion Ratio Lower Upper

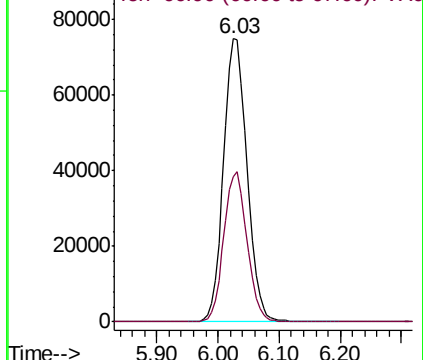
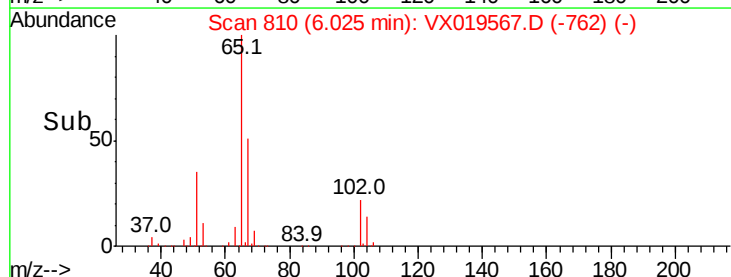
65 100

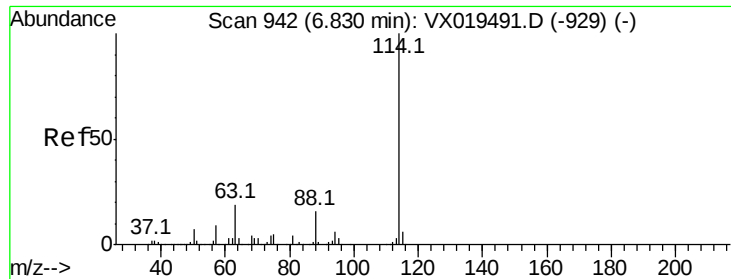
67 52.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

VX1123WBL02

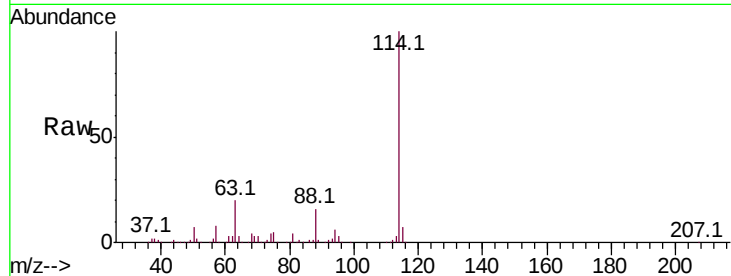
Tot Ion:114 Resp: 534741

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

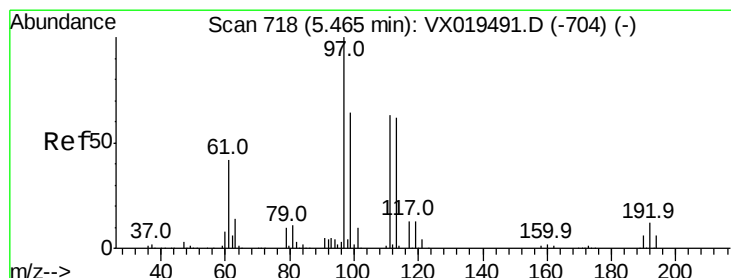
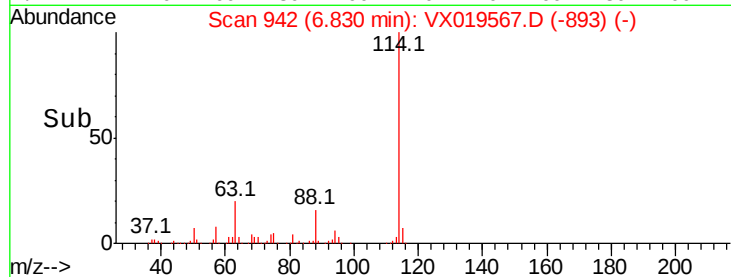
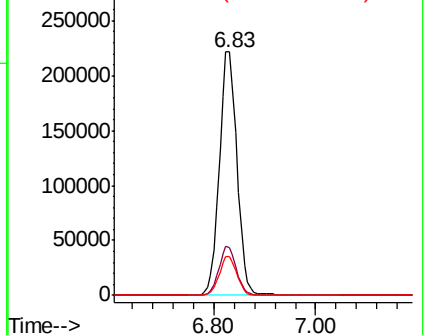
88 16.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.454 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

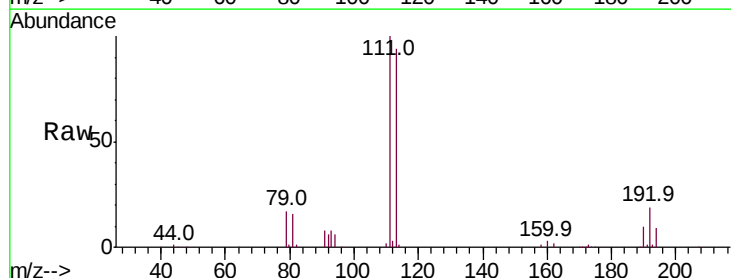
Tgt Ion:113 Resp: 155926

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

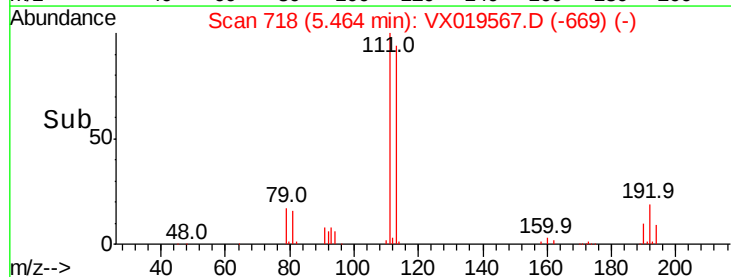
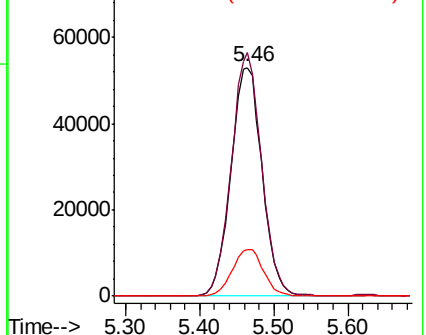
192 20.4 16.2 24.2

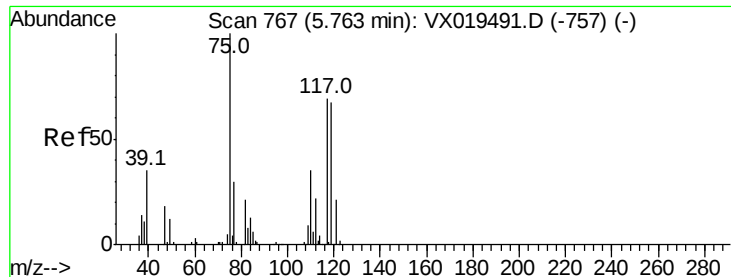


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

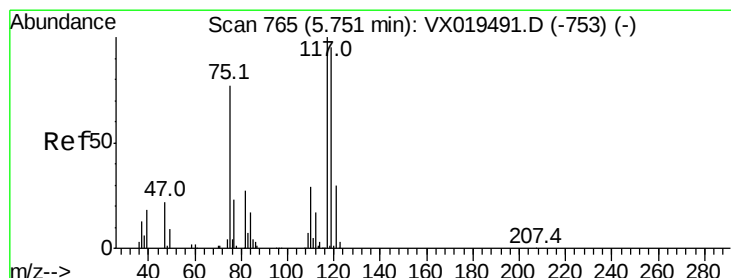
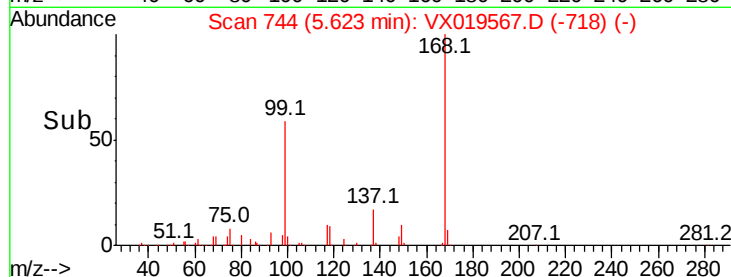
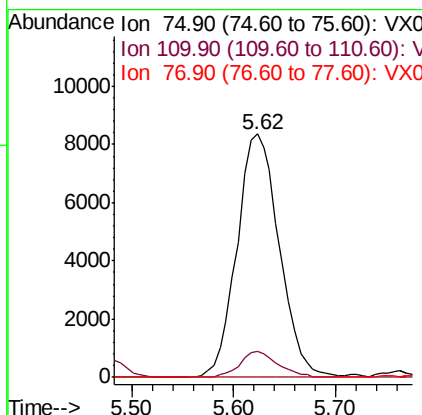
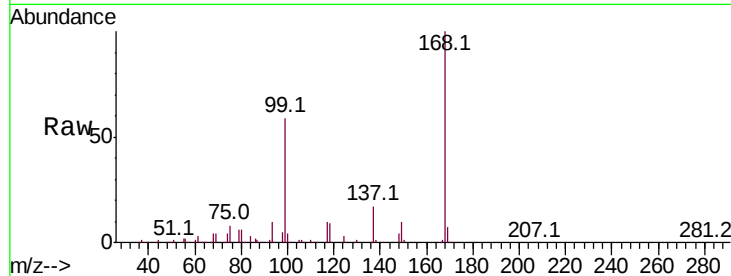




#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019567.D
 Acq: 23 Nov 2020 22:29

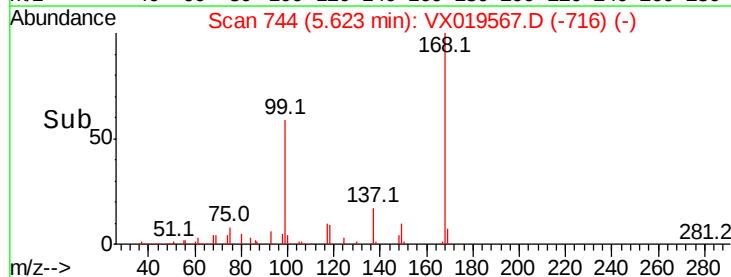
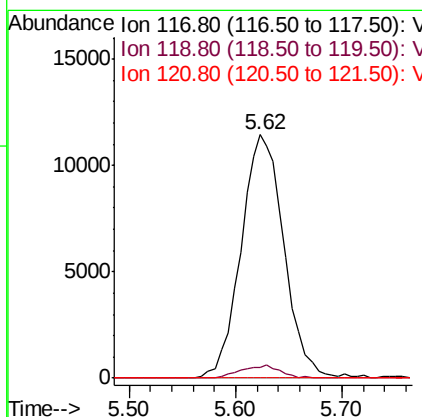
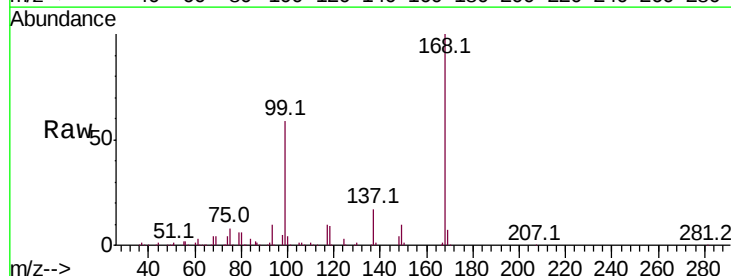
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBL02

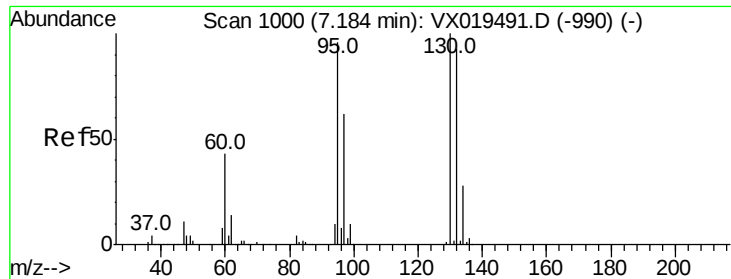
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.622 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019567.D
 Acq: 23 Nov 2020 22:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.9	113.9#
121	0.0	24.0	36.0#





#44

Trichloroethene

Concen: 3.339 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

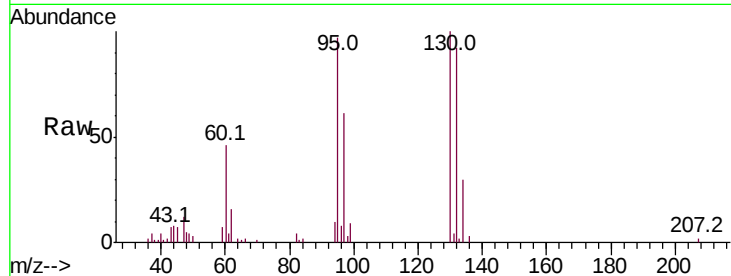
VX1123WBL02

Tot Ion:130 Resp: 13471

Ion Ratio Lower Upper

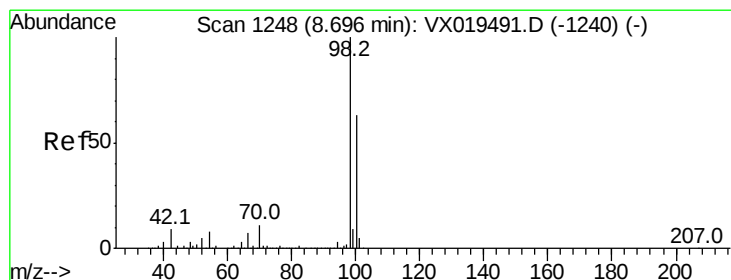
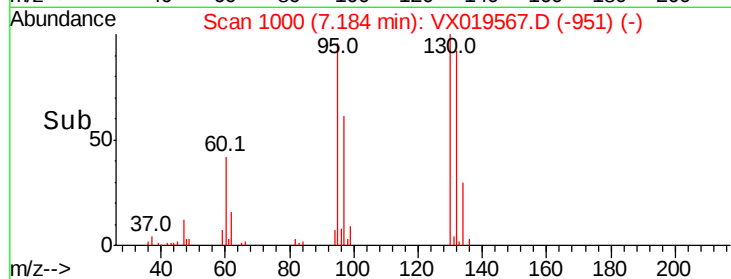
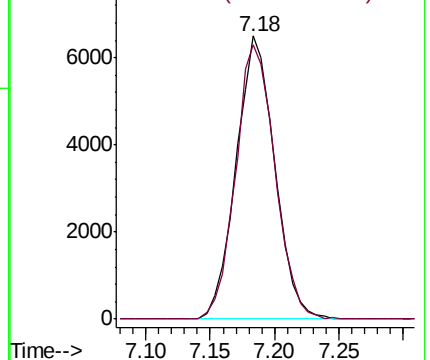
130 100

95 97.0 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.398 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019567.D

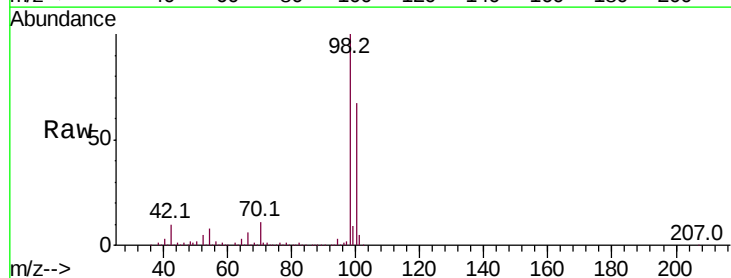
Acq: 23 Nov 2020 22:29

Tgt Ion: 98 Resp: 631272

Ion Ratio Lower Upper

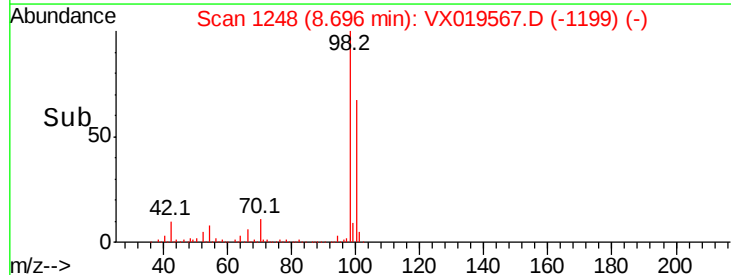
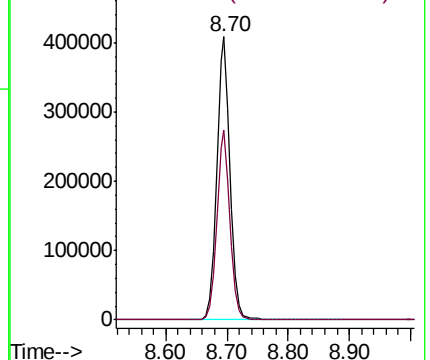
98 100

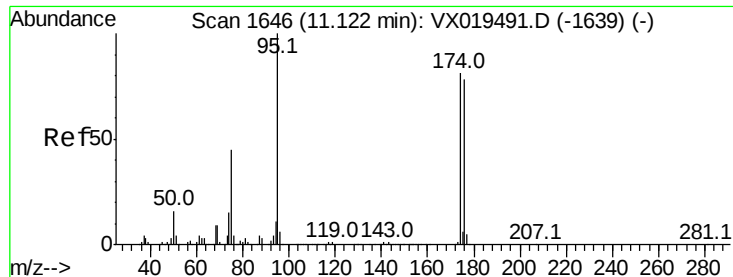
100 66.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.968 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

VX1123WBL02

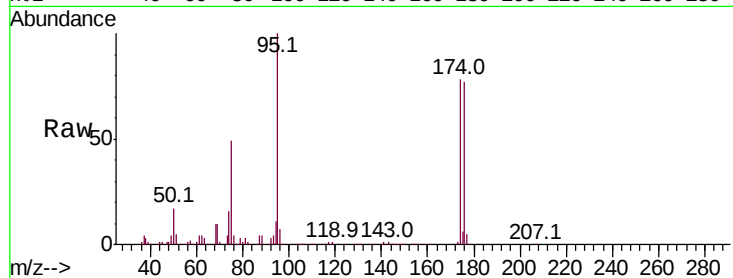
Tot Ion: 95 Resp: 215720

Ion Ratio Lower Upper

95 100

174 77.0 0.0 156.2

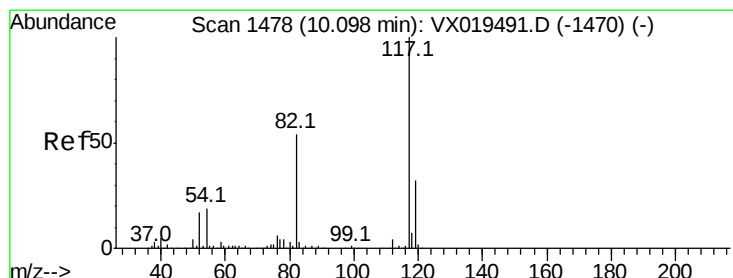
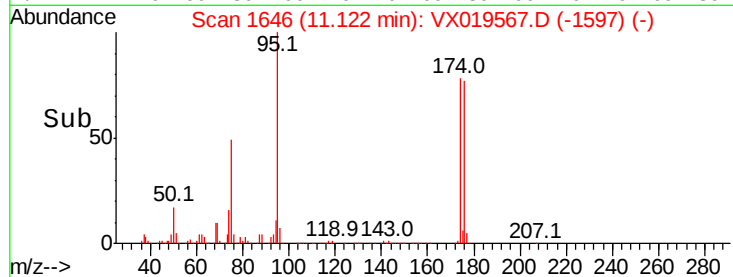
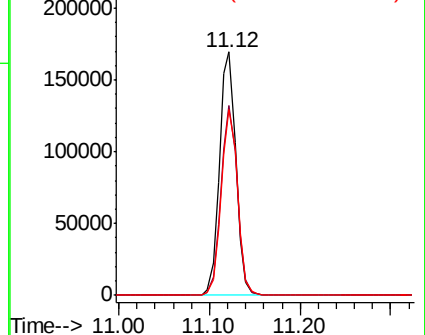
176 75.7 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

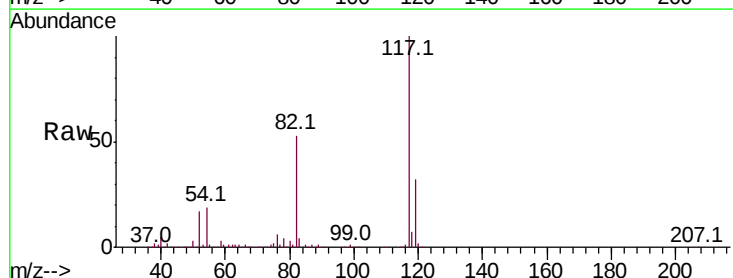
Tgt Ion: 117 Resp: 468888

Ion Ratio Lower Upper

117 100

82 52.6 43.0 64.4

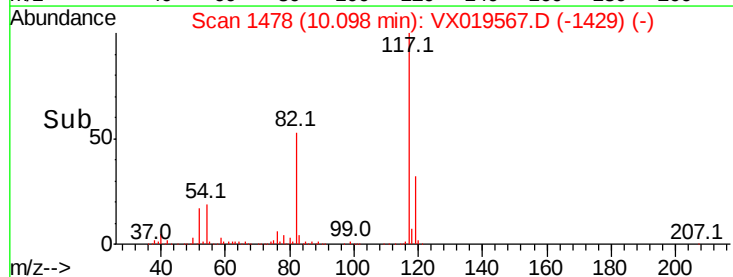
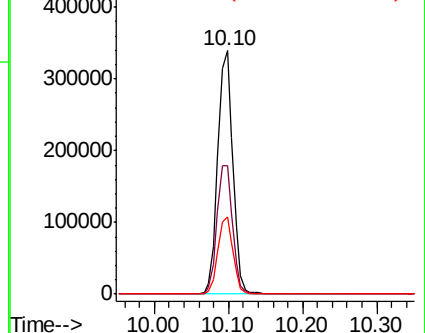
119 31.6 25.6 38.4

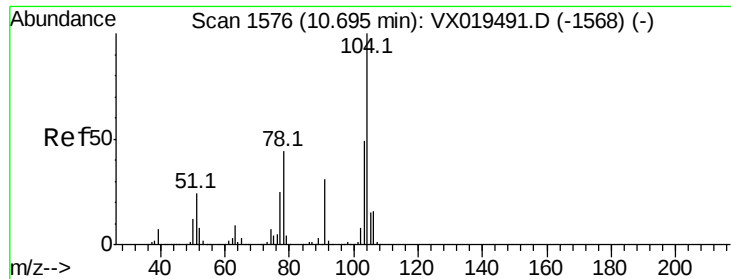


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

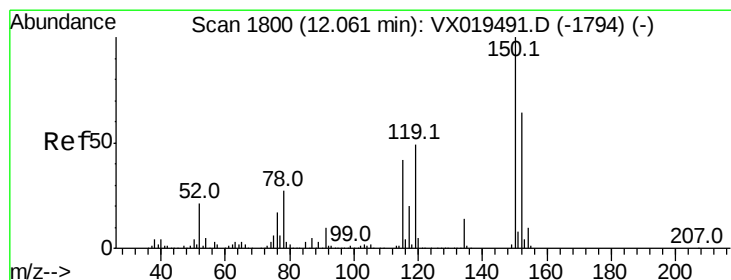
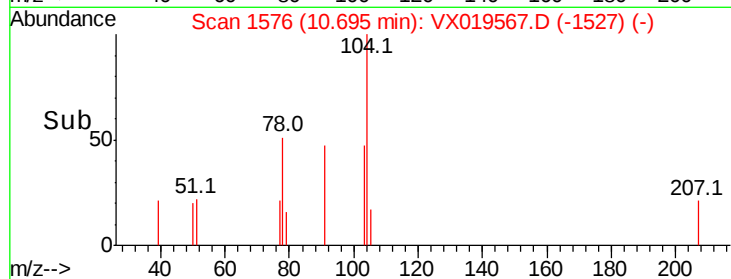
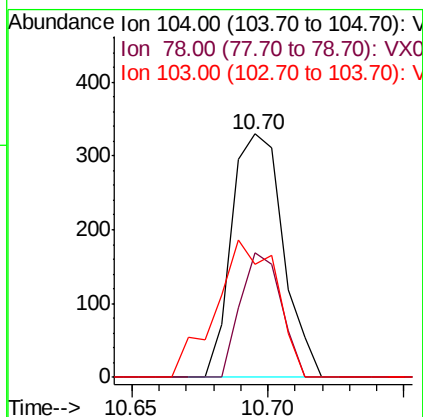
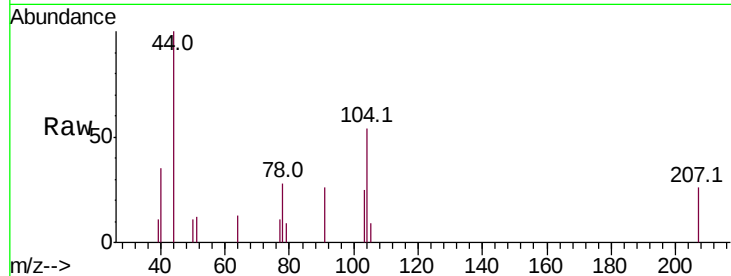




#70
Stvrene
Concen: 1.683 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019567.D
Acq: 23 Nov 2020 22:29

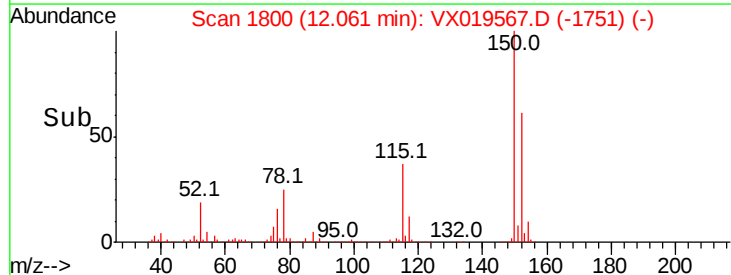
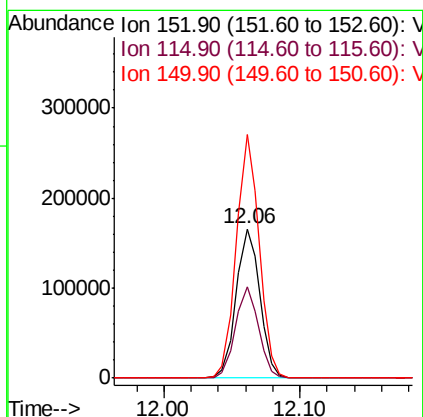
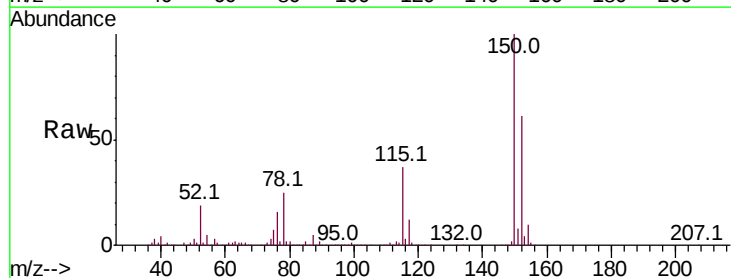
Instrument :
MSVOA_X
ClientSampleId :
VX1123WBL02

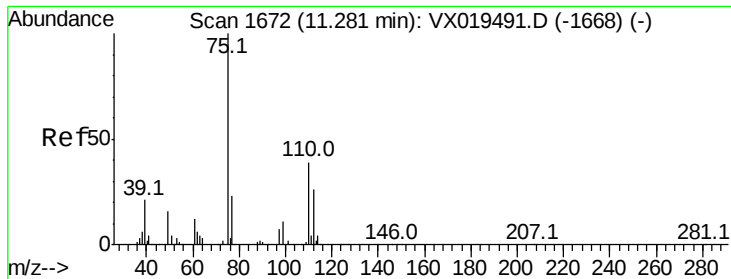
Tot Ion:104 Resp: 432
Ion Ratio Lower Upper
104 100
78 40.7 39.5 59.3
103 66.2 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019567.D
Acq: 23 Nov 2020 22:29

Tgt Ion:152 Resp: 201198
Ion Ratio Lower Upper
152 100
115 59.7 41.8 125.4
150 157.3 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 24.230 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

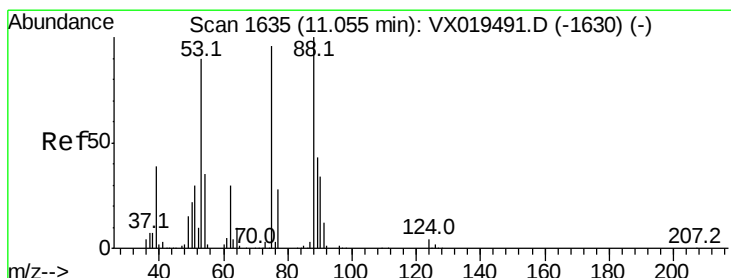
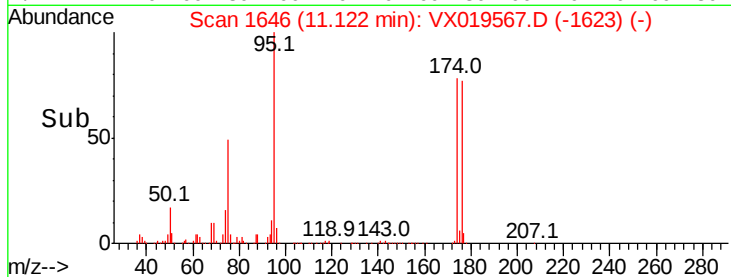
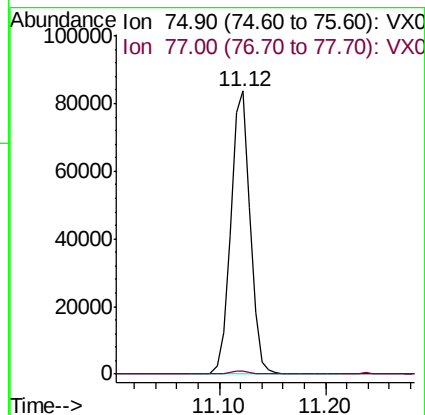
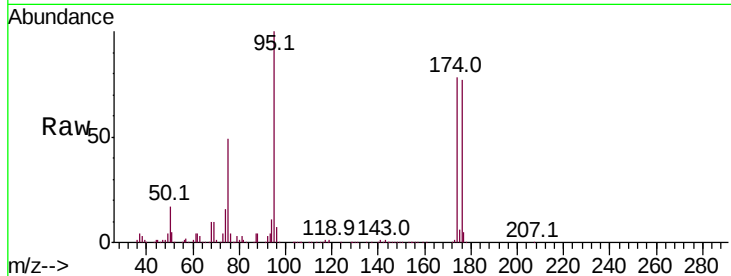
VX1123WBL02

Tot Ion: 75 Resp: 106390

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.136 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

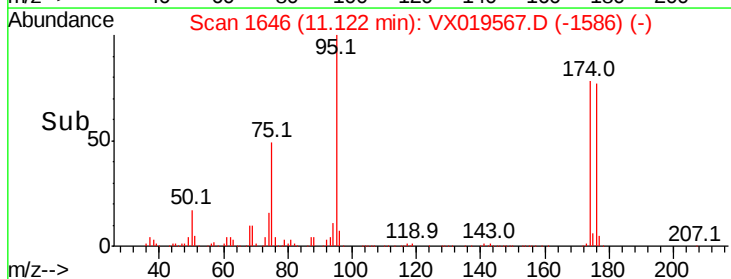
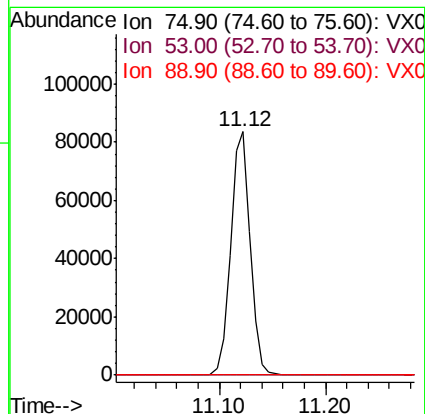
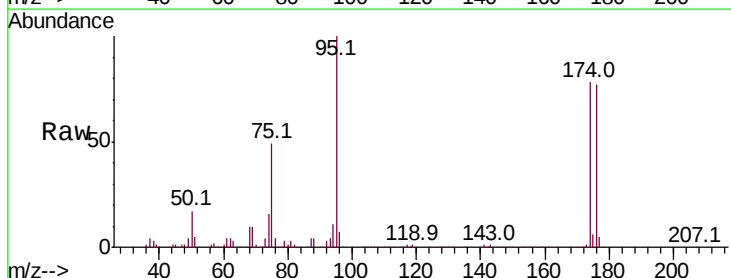
Tgt Ion: 75 Resp: 106390

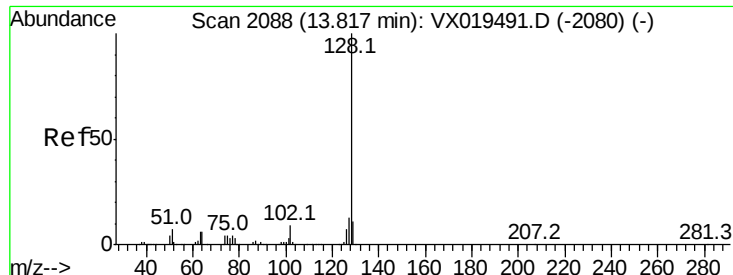
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.260 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019567.D

Acq: 23 Nov 2020 22:29

Instrument :

MSVOA_X

ClientSampleId :

VX1123WBL02

Tot Ion:128 Resp: 1270

Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

129 4.4 8.7 13.1#

