

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019542.D
 Acq On : 23 Nov 2020 11:42
 Operator : JC/MD
 Sample : VX1123WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBL01

Quant Time: Nov 24 00:30:40 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	5.62	168	326052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	529436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	451307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193273	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	193150	45.69	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.38%	
35) Dibromofluoromethane		5.46	113	155373	46.75	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.50%	
50) Toluene-d8		8.69	98	618785	47.92	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.84%	
62) 4-Bromofluorobenzene		11.12	95	211617	45.55	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.10%	

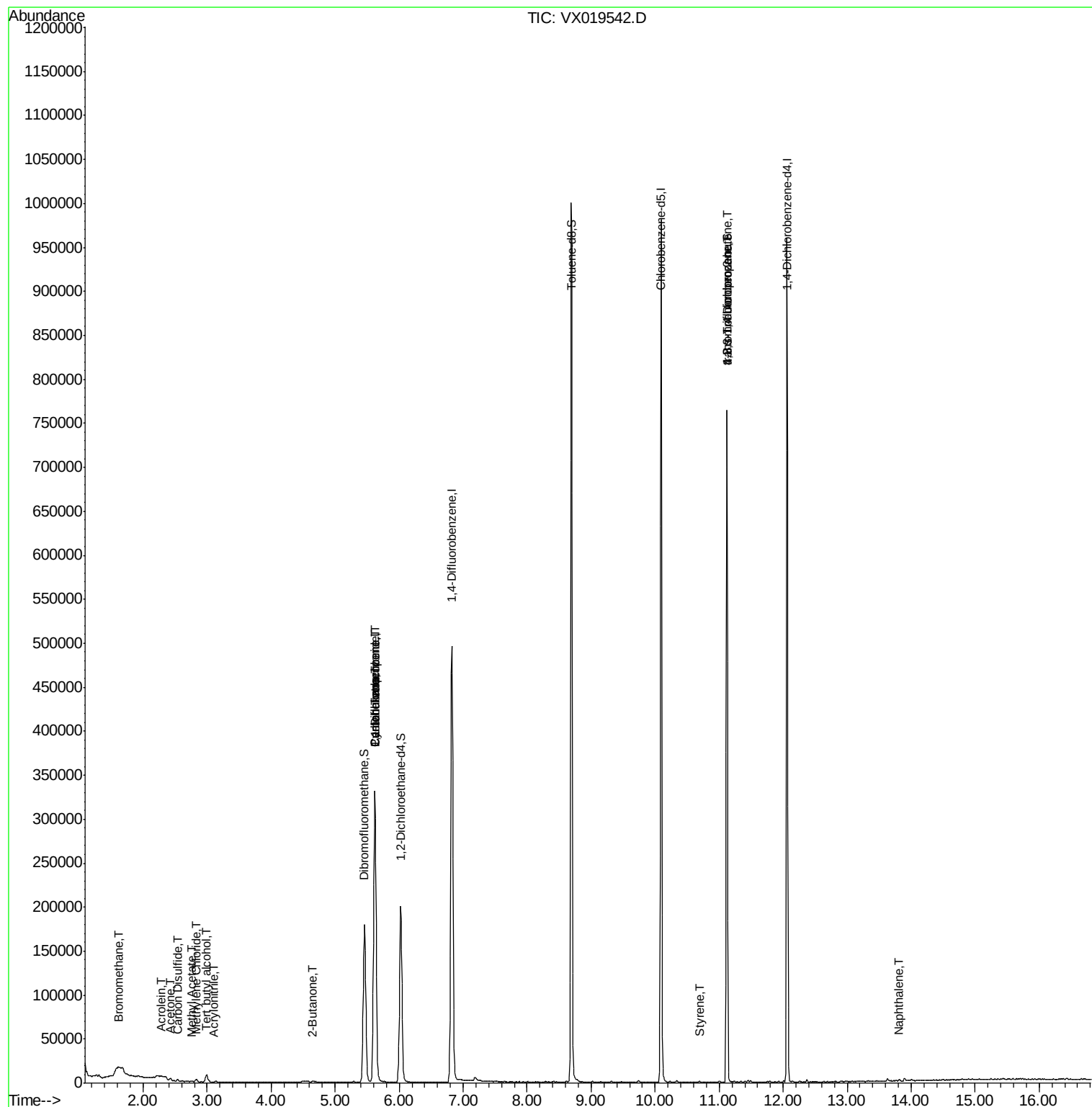
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	778	0.524	ug/l #	77
6) Chloroethane	1.71	64	974	Below Cal	#	66
11) Tert butyl alcohol	3.00	59	5421	6.776	ug/l #	75
13) Acrolein	2.27	56	150	0.279	ug/l #	1
15) Acrylonitrile	3.10	53	387	0.205	ug/l #	23
16) Acetone	2.43	43	2897	1.772	ug/l	95
17) Carbon Disulfide	2.54	76	2887	0.332	ug/l	97
18) Methyl Acetate	2.75	43	743	0.818	ug/l	100
20) Methylene Chloride	2.82	84	1219	0.298	ug/l #	91
25) 2-Butanone	4.65	43	940	0.383	ug/l #	76
31) Cyclohexane	5.62	56	6668	1.213	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24092	4.854	ug/l #	49
38) Carbon Tetrachloride	5.62	117	31513	6.559	ug/l #	16
70) Styrene	10.70	104	354	1.678	ug/l #	82
76) 1,2,3-Trichloropropane	11.12	75	103272	24.484	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	103272	64.765	ug/l #	12
95) Naphthalene	13.82	128	1043	2.248	ug/l #	95

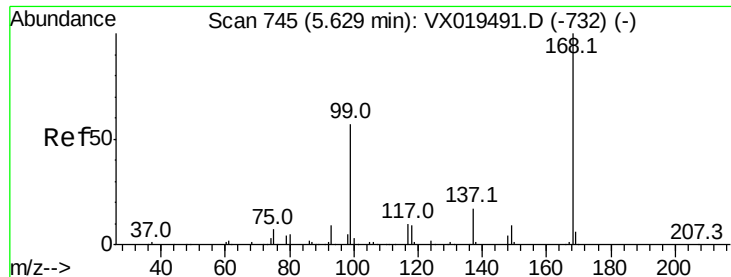
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :
VX1123WBL01

Quant Time: Nov 24 00:30:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

Instrument :

MSVOA_X

ClientSampled :

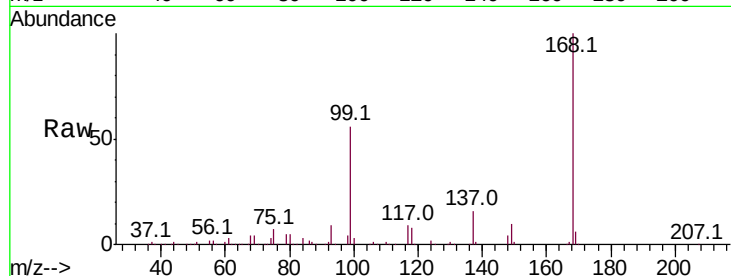
VX1123WBL01

Tot Ion:168 Resp: 326052

Ion Ratio Lower Upper

168 100

99 56.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

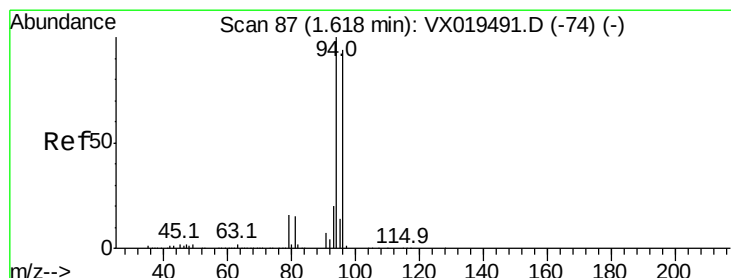
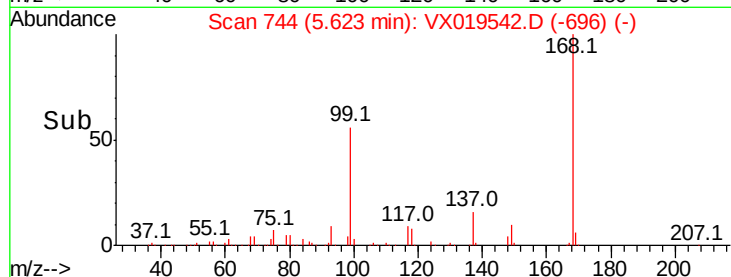
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.524 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019542.D

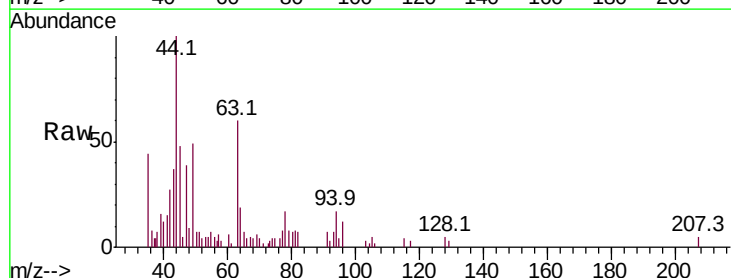
Acq: 23 Nov 2020 11:42

Tgt Ion: 94 Resp: 778

Ion Ratio Lower Upper

94 100

96 72.4 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

400

300

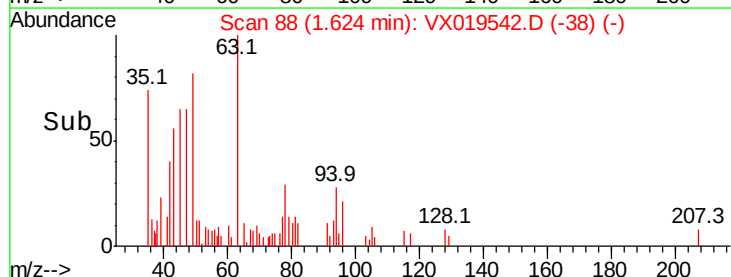
200

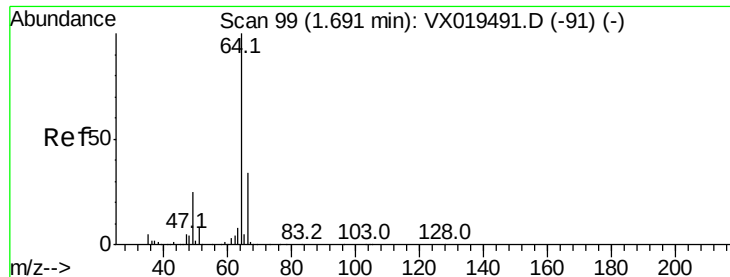
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. 0.02 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

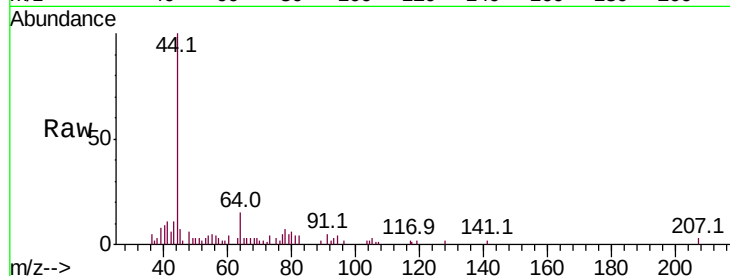
VX1123WBL01

Tot Ion: 64 Resp: 974

Ion Ratio Lower Upper

64 100

66 14.5 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

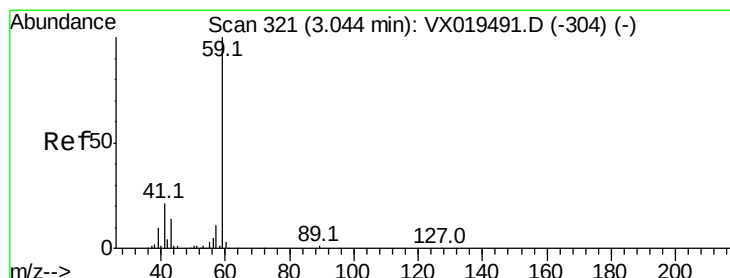
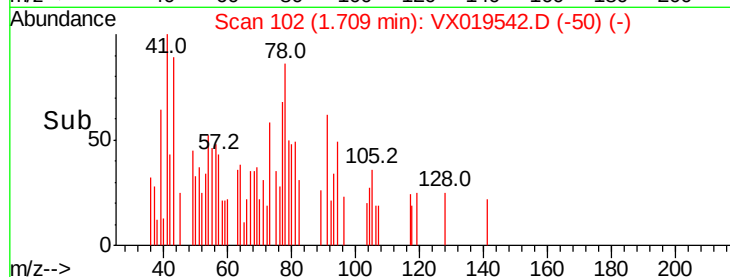
600

400

200

0

Time--> 1.65 1.70 1.75



#11

Tert butyl alcohol

Concen: 6.776 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019542.D

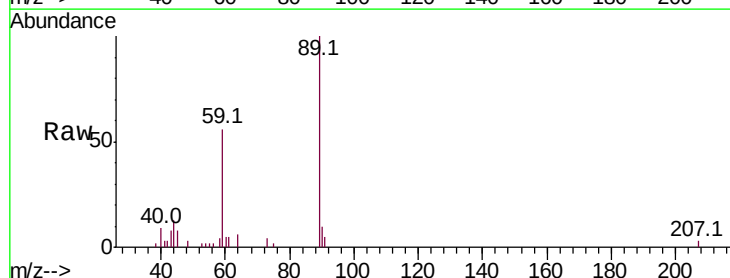
Acq: 23 Nov 2020 11:42

Tgt Ion: 59 Resp: 5421

Ion Ratio Lower Upper

59 100

57 0.5 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

2000

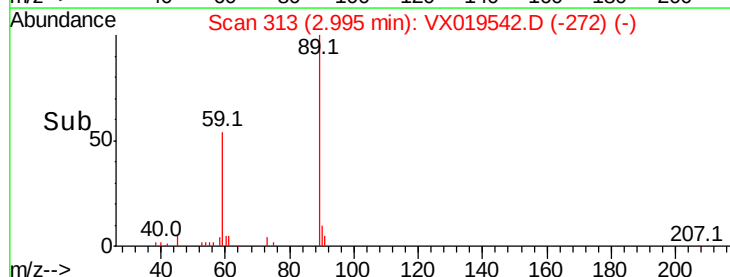
1500

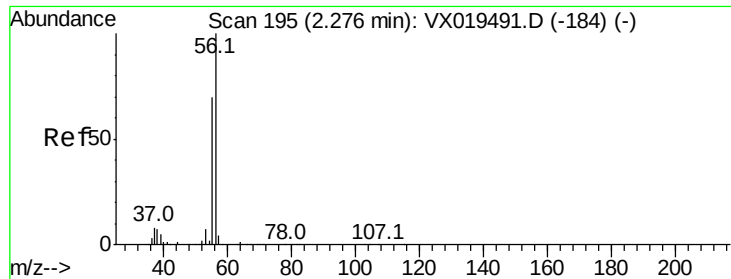
1000

500

0

Time--> 2.90 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: 0.279 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

Instrument :

MSVOA_X

ClientSampled :

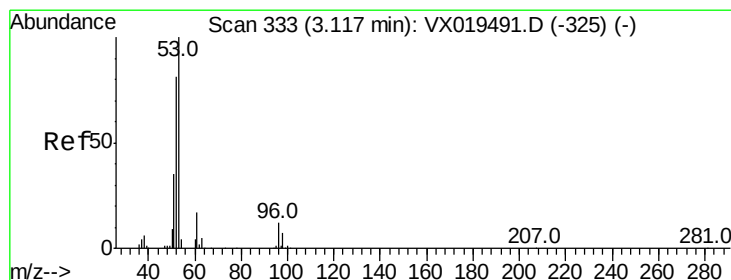
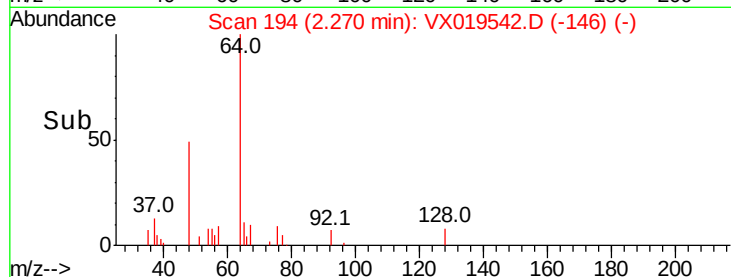
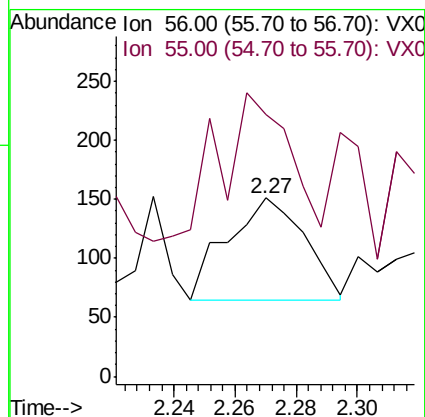
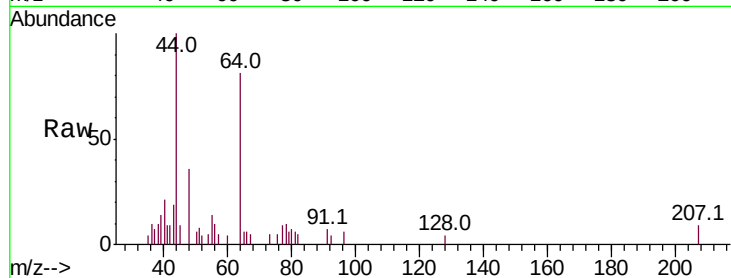
VX1123WBL01

Tot Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 163.3 55.5 83.3#



#15

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.10 min Scan# 330

Delta R.T. -0.02 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

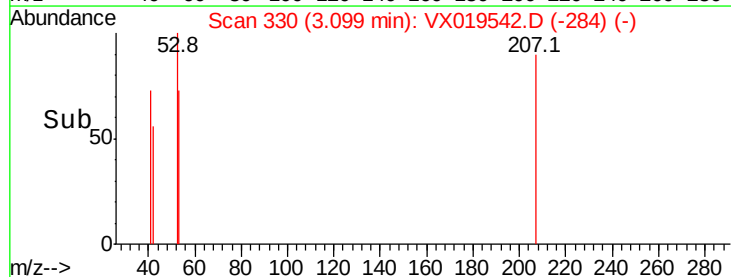
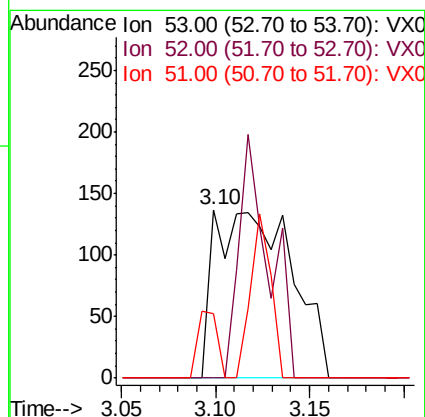
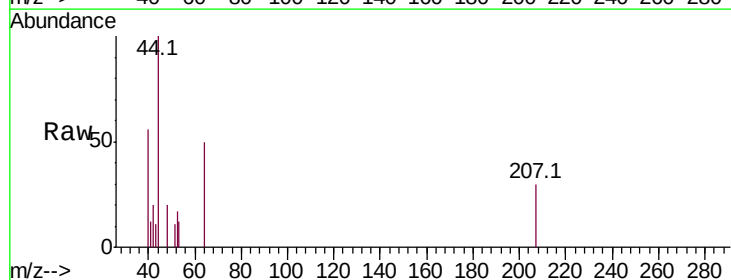
Tgt Ion: 53 Resp: 387

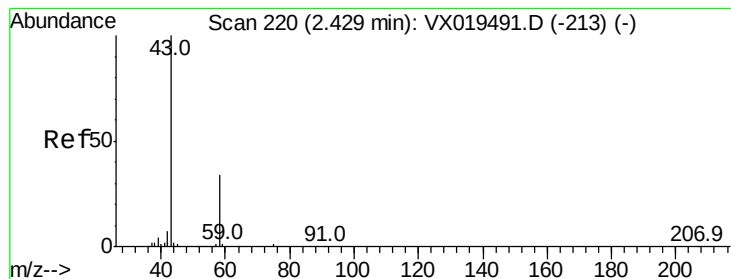
Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 10.1 28.5 42.7#





#16

Acetone

Concen: 1.772 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

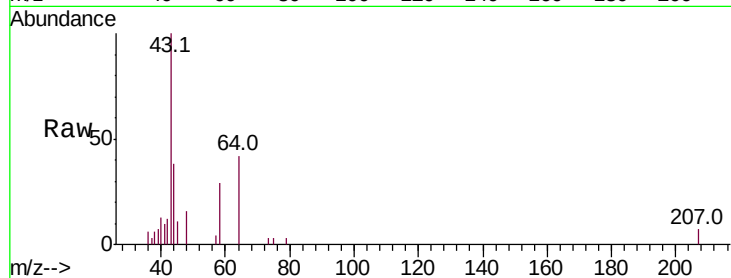
VX1123WBL01

Tot Ion: 43 Resp: 2897

Ion Ratio Lower Upper

43 100

58 31.3 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2000

1500

1000

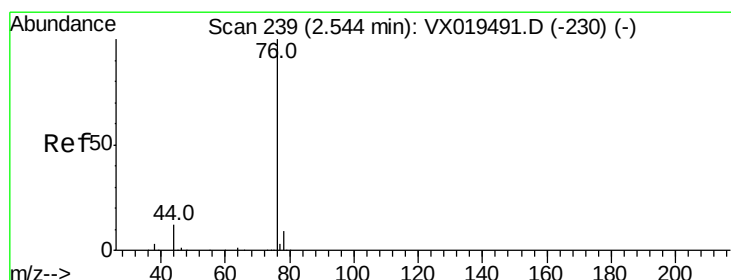
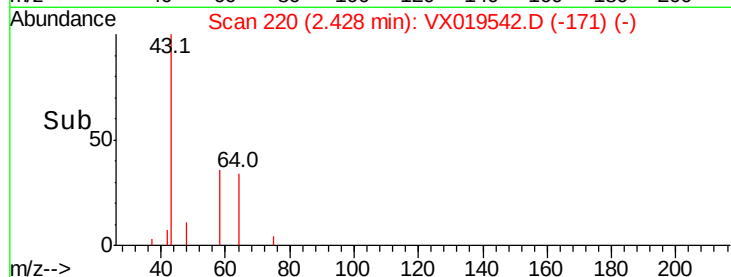
500

0

2.40

2.45

Time-->



#17

Carbon Disulfide

Concen: 0.332 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VX019542.D

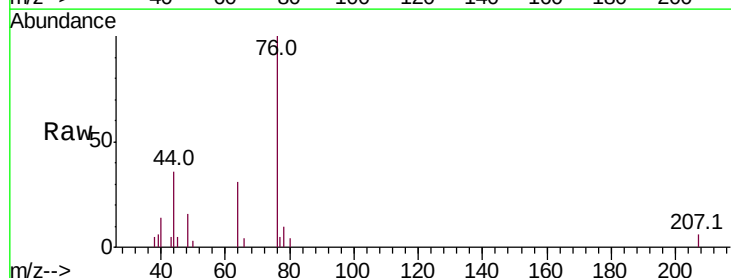
Acq: 23 Nov 2020 11:42

Tgt Ion: 76 Resp: 2887

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

2000

1500

1000

500

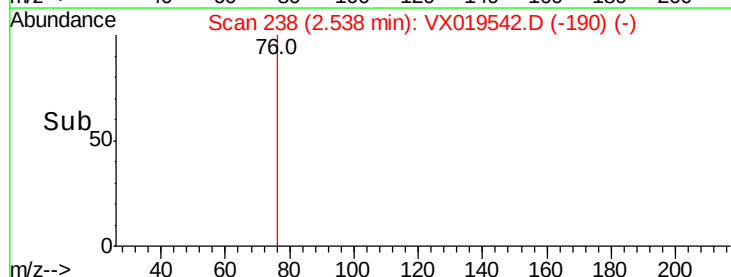
0

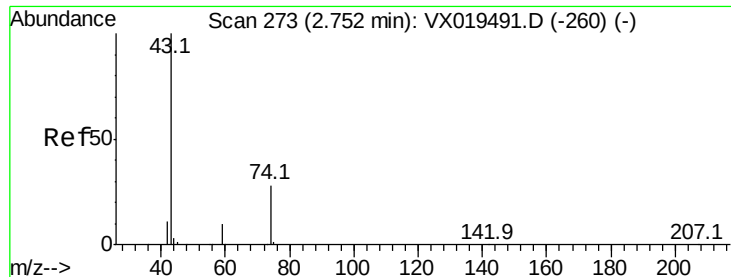
2.50

2.55

2.60

Time-->

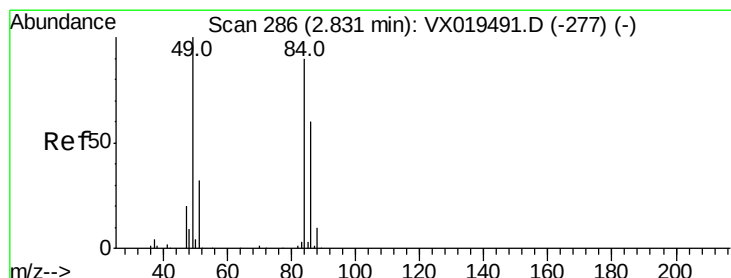
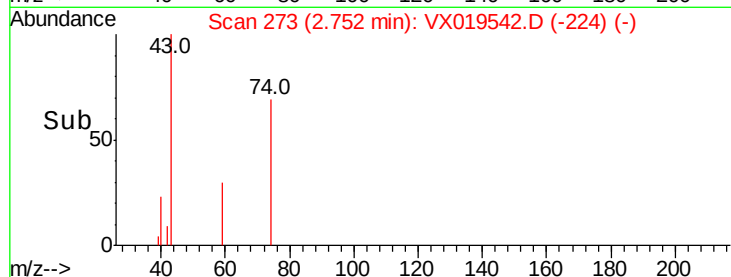
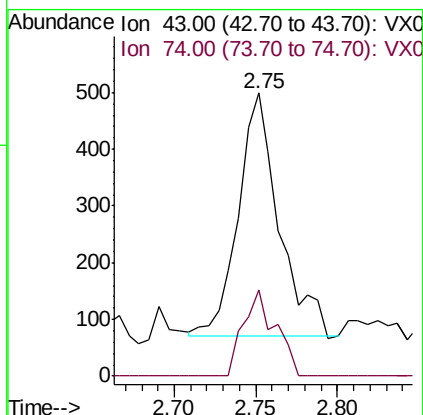
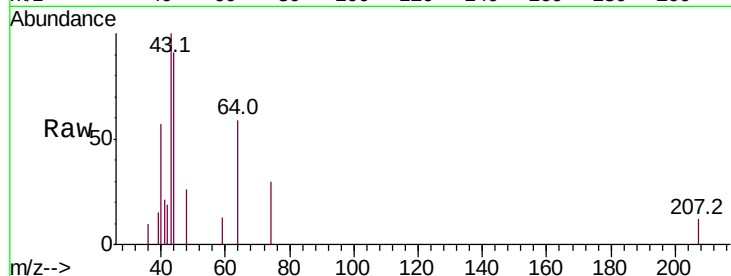




#18
Methvl Acetate
Concen: 0.818 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019542.D
Acq: 23 Nov 2020 11:42

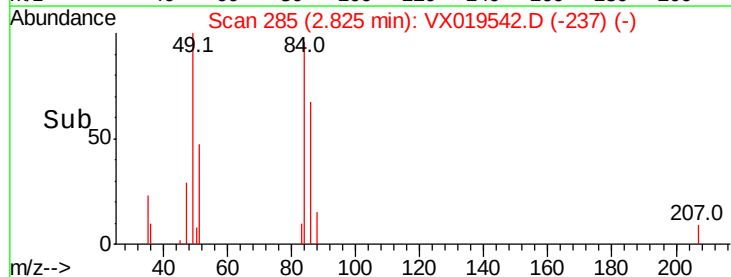
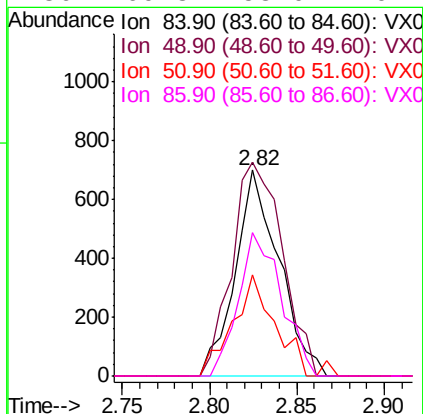
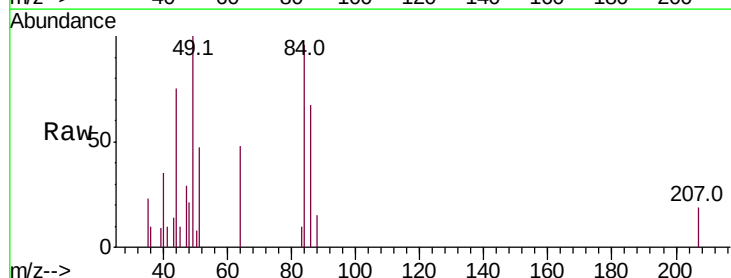
Instrument :
MSVOA_X
ClientSampleId :
VX1123WBL01

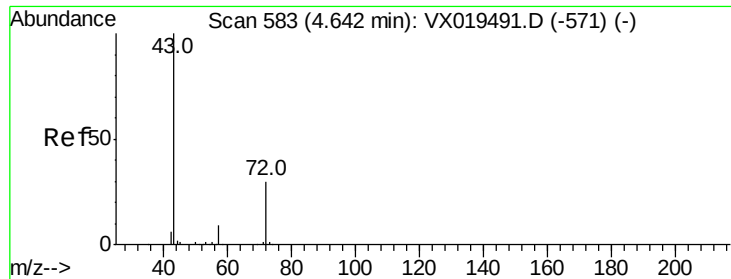
Tot Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
74 27.9 22.2 33.4



#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX019542.D
Acq: 23 Nov 2020 11:42

Tgt Ion: 84 Resp: 1219
Ion Ratio Lower Upper
84 100
49 103.9 88.5 132.7
51 48.9 28.0 42.0#
86 69.8 53.0 79.4





#25

2-Butanone

Concen: 0.383 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

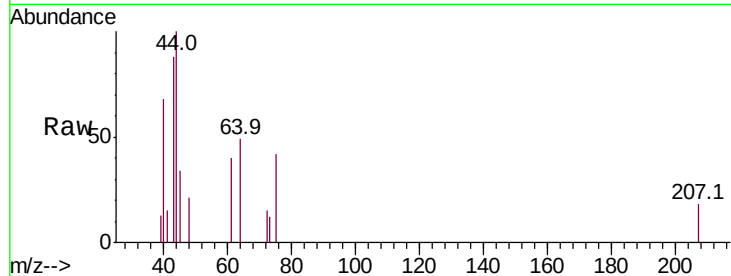
VX1123WBL01

Tot Ion: 43 Resp: 940

Ion Ratio Lower Upper

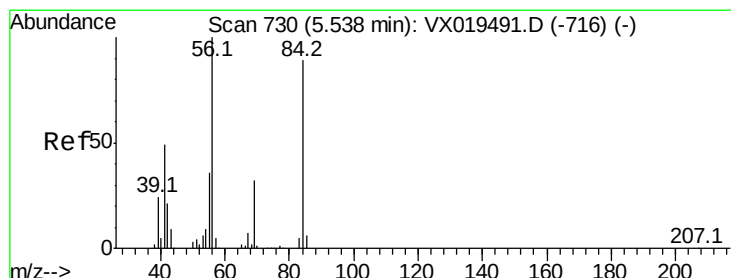
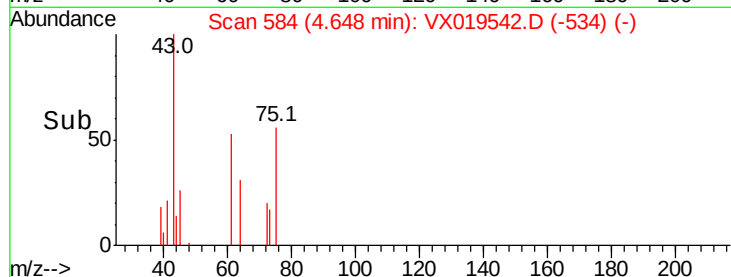
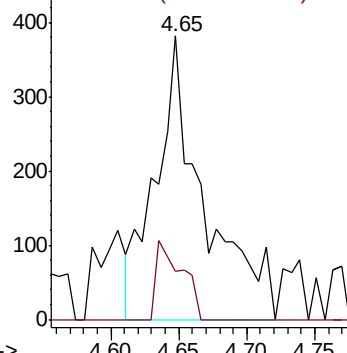
43 100

72 17.0 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.213 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

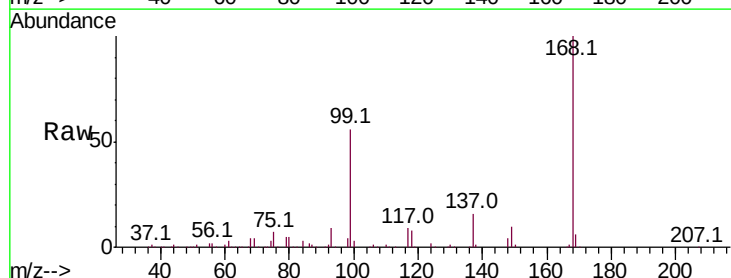
Tgt Ion: 56 Resp: 6668

Ion Ratio Lower Upper

56 100

69 186.7 25.5 38.3#

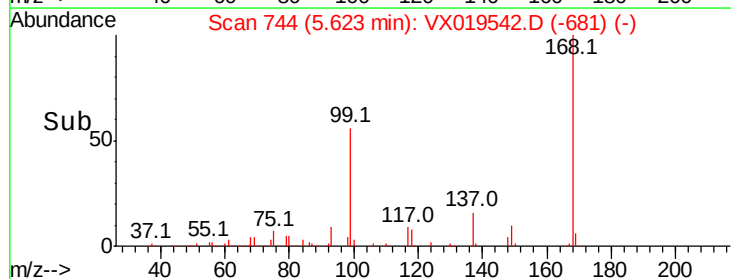
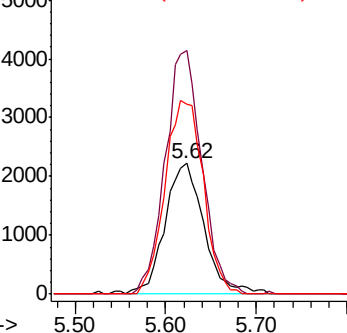
84 146.0 71.1 106.7#

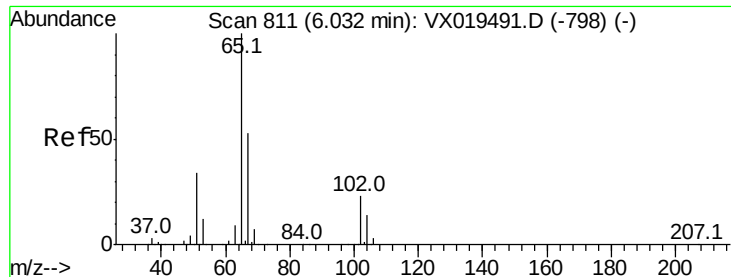


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

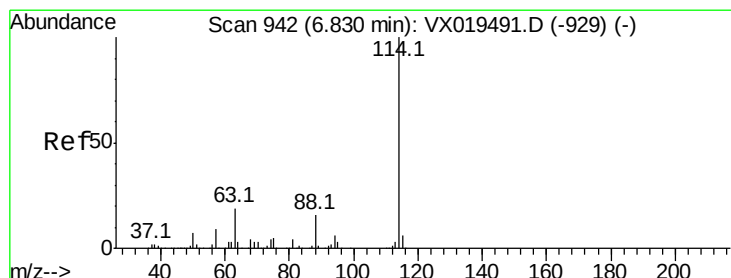
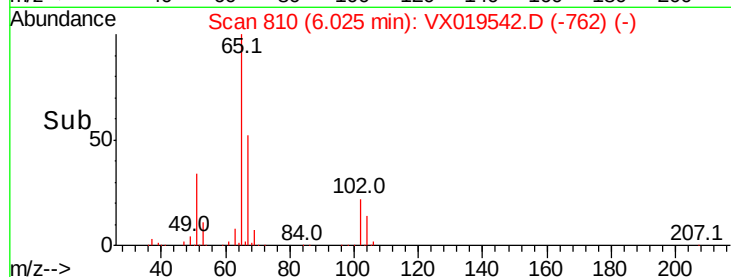
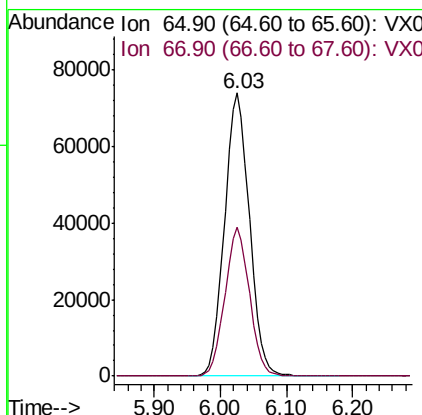
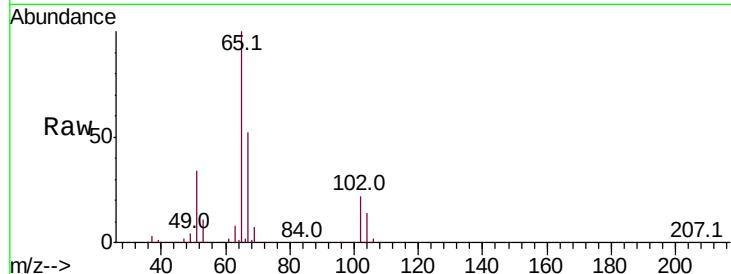




#33
 1,2-Dichloroethane-d4
 Concen: 45.689 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019542.D
 Acq: 23 Nov 2020 11:42

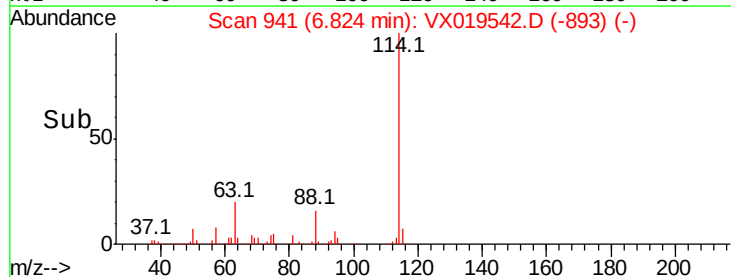
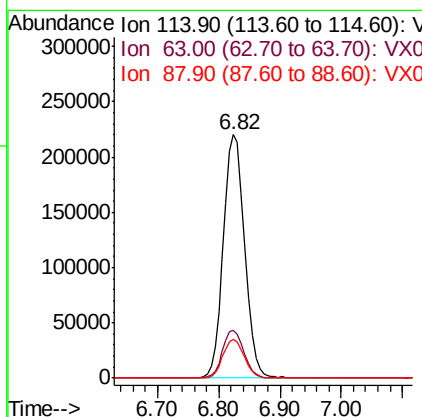
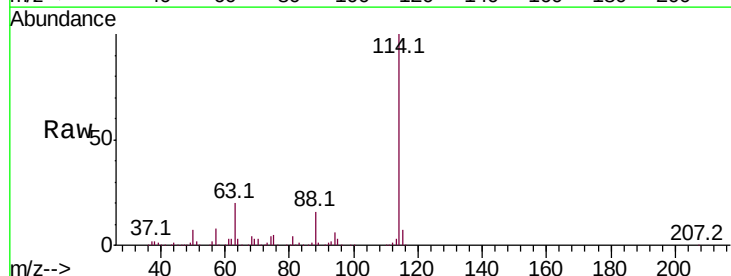
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBL01

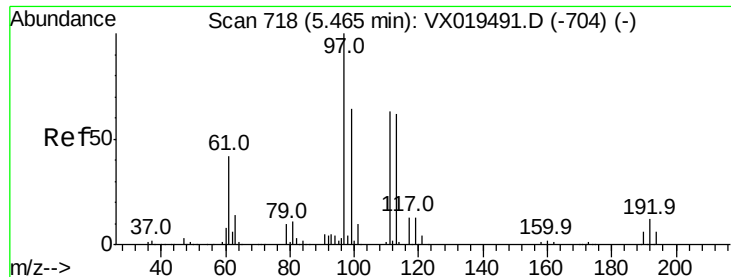
Tot Ion: 65 Resp: 193150
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019542.D
 Acq: 23 Nov 2020 11:42

Tgt Ion: 114 Resp: 529436
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 15.9 0.0 31.6

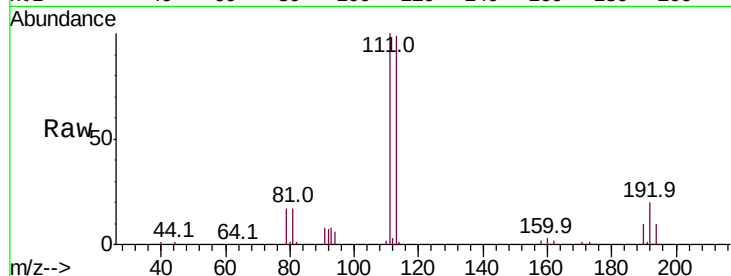




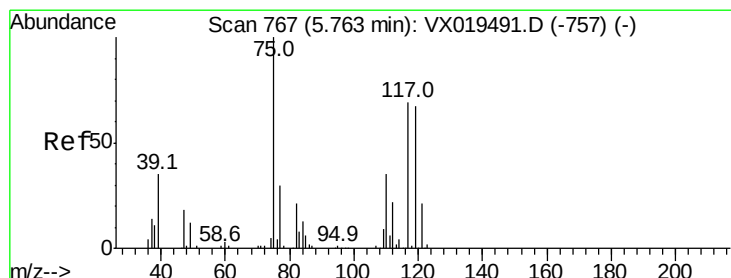
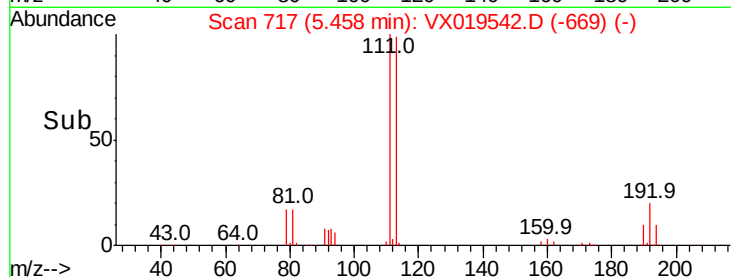
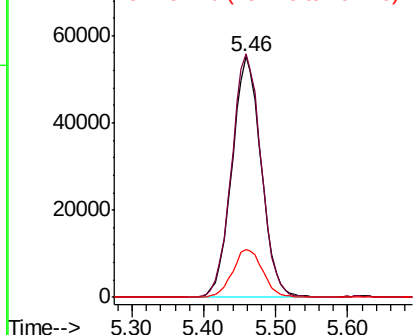
#35
 Dibromofluoromethane
 Concen: 46.753 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX019542.D
 Acq: 23 Nov 2020 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBL01

Tot Ion:113 Resp: 155373
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.5 122.3
 192 20.4 16.2 24.2

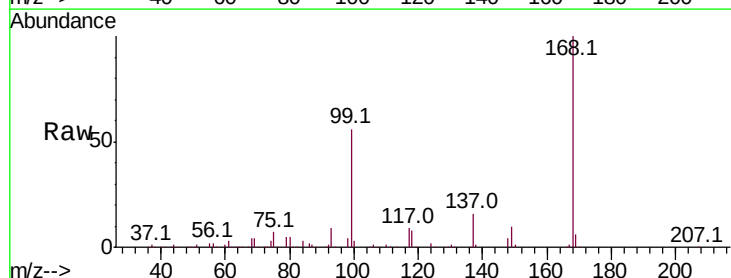


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

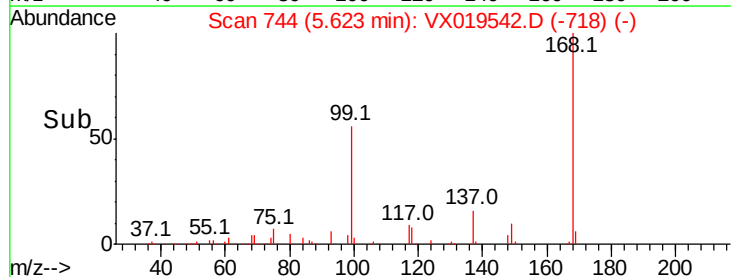
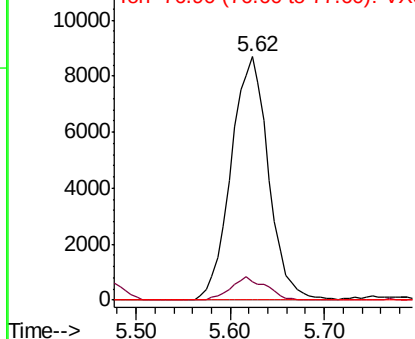


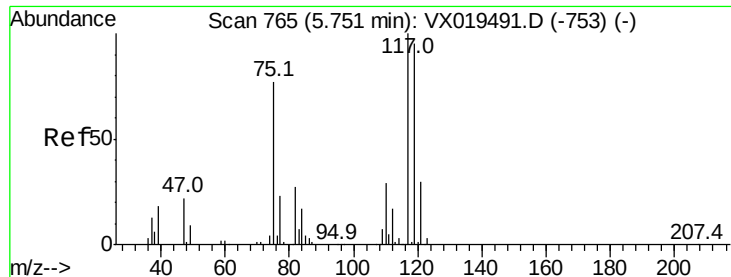
#36
 1,1-Dichloropropene
 Concen: 4.854 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019542.D
 Acq: 23 Nov 2020 11:42

Tgt Ion: 75 Resp: 24092
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

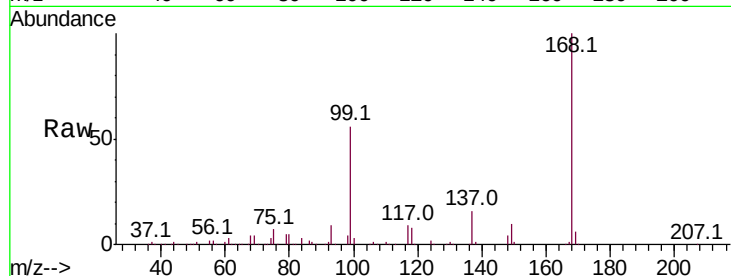




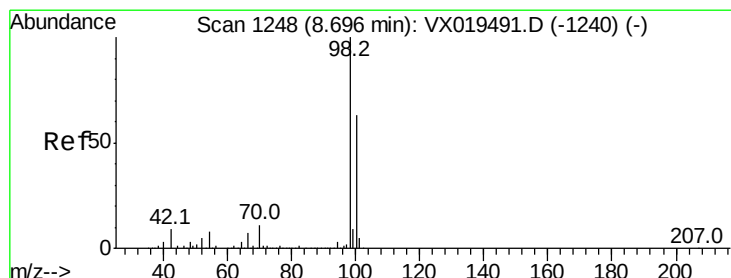
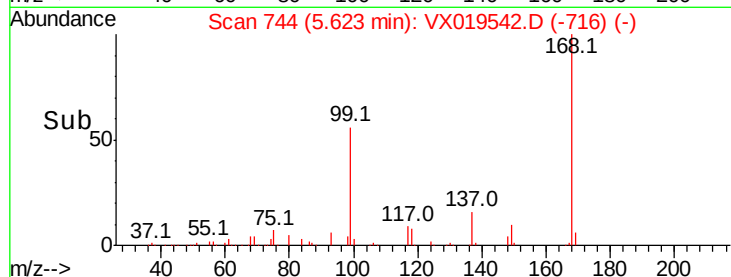
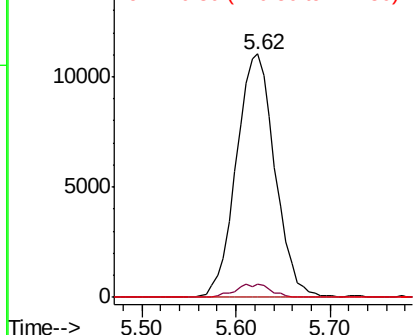
#38
Carbon Tetrachloride
Concen: 6.559 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019542.D
Acq: 23 Nov 2020 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX1123WBL01

Tot Ion:117 Resp: 31513
Ion Ratio Lower Upper
117 100
119 5.2 75.9 113.9#
121 0.0 24.0 36.0#

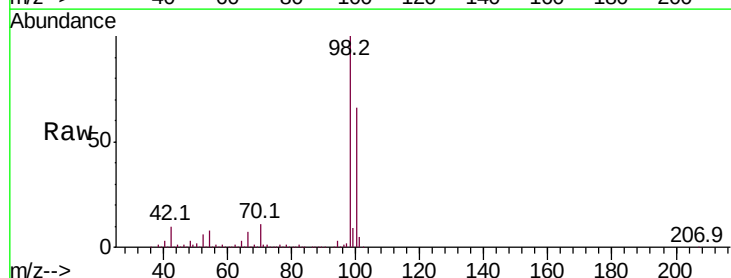


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

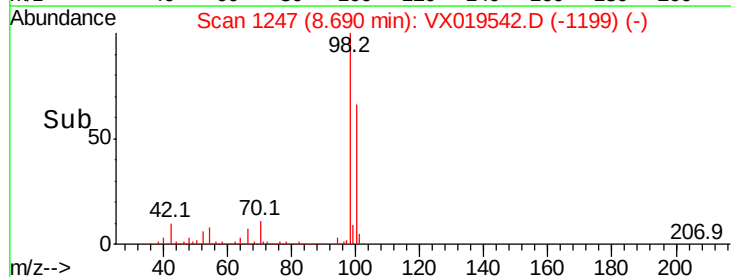
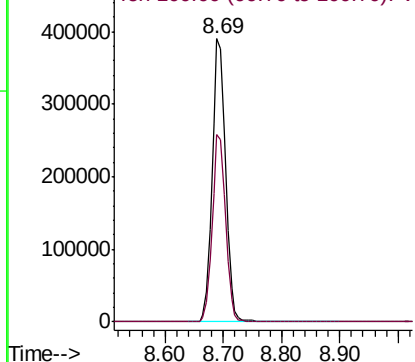


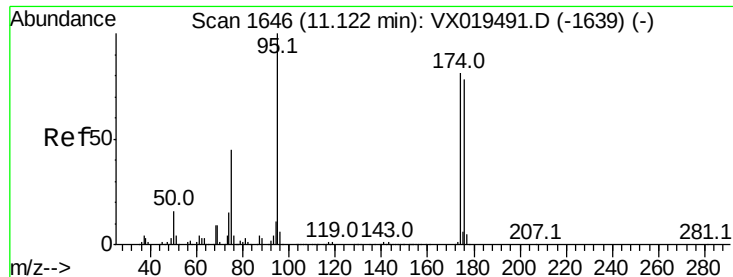
#50
Toluene-d8
Concen: 47.916 ug/l
RT: 8.69 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VX019542.D
Acq: 23 Nov 2020 11:42

Tgt Ion: 98 Resp: 618785
Ion Ratio Lower Upper
98 100
100 65.9 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: 45.546 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX1123WBL01

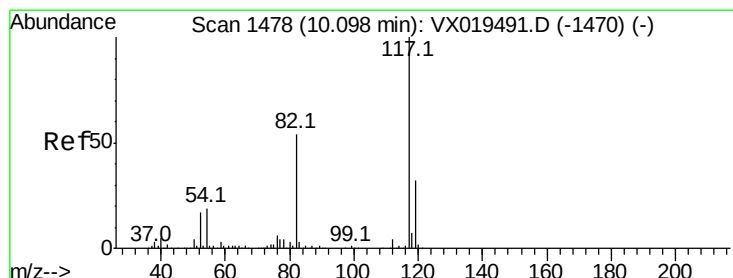
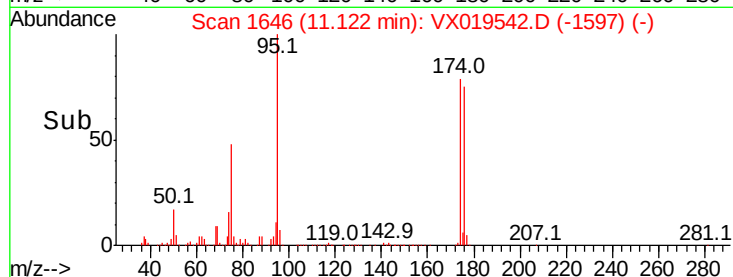
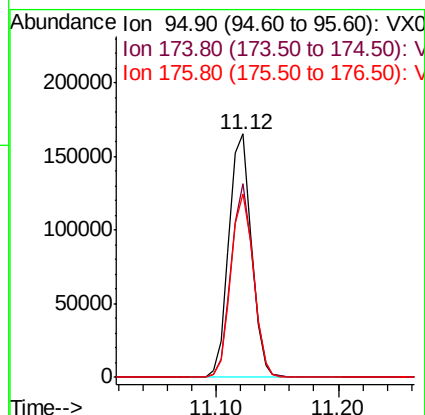
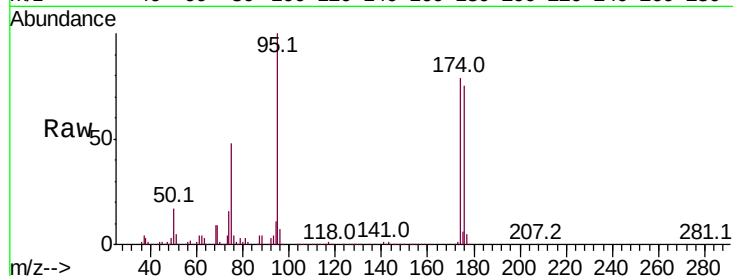
Tot Ion: 95 Resp: 211617

Ion Ratio Lower Upper

95 100

174 77.3 0.0 156.2

176 75.3 0.0 151.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.01 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

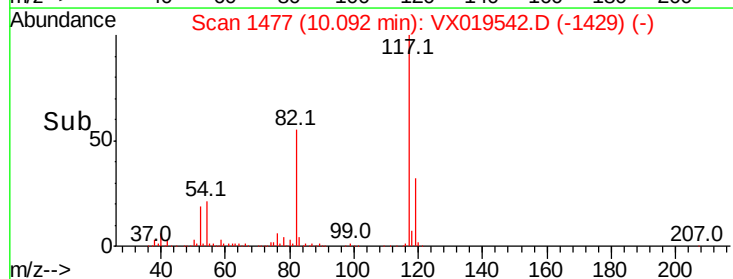
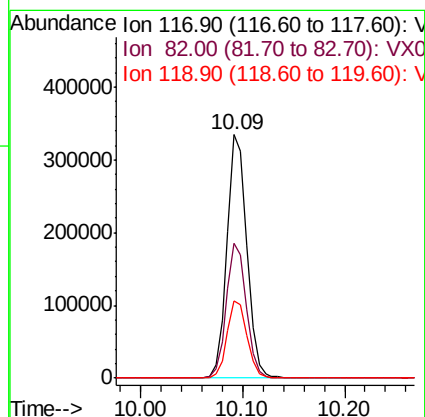
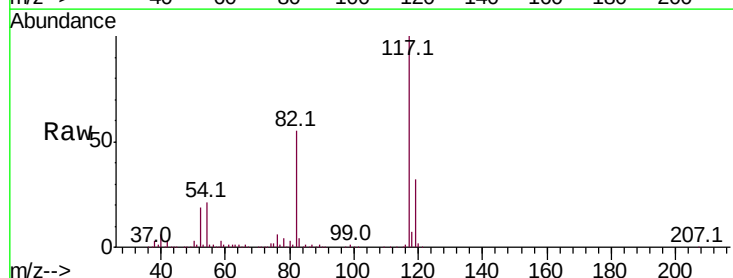
Tgt Ion: 117 Resp: 451307

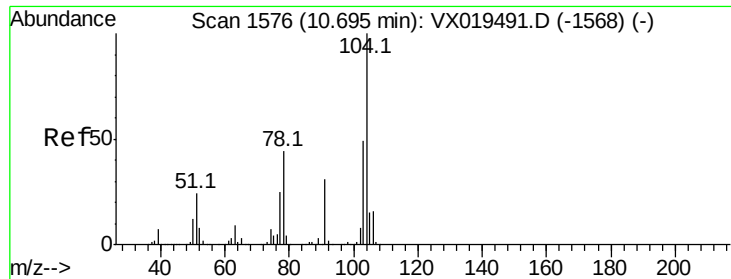
Ion Ratio Lower Upper

117 100

82 55.2 43.0 64.4

119 31.6 25.6 38.4

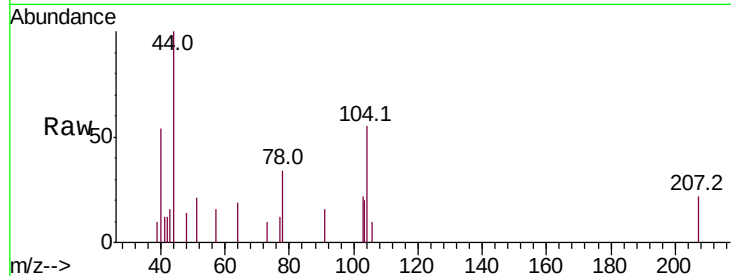




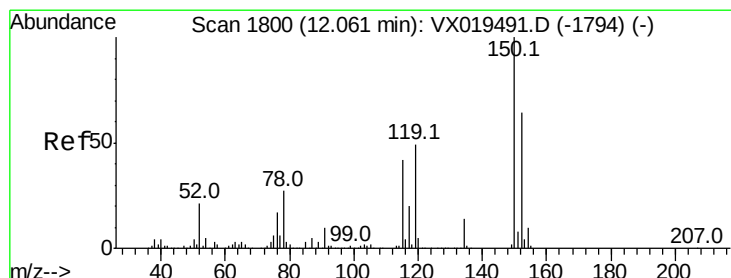
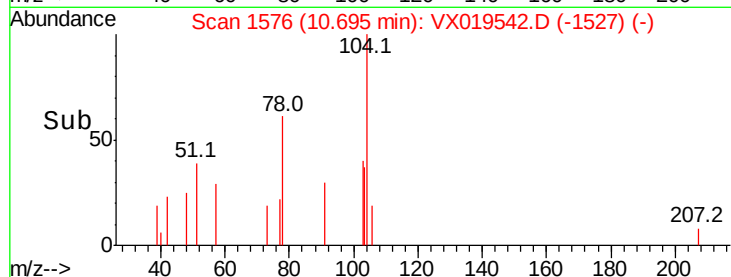
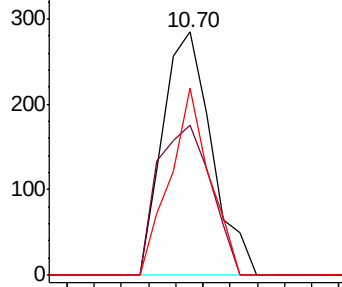
#70
Stvrene
Concen: 1.678 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019542.D
Acq: 23 Nov 2020 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX1123WBL01

Tot Ion:104 Resp: 354
Ion Ratio Lower Upper
104 100
78 66.9 39.5 59.3#
103 62.4 43.6 65.4

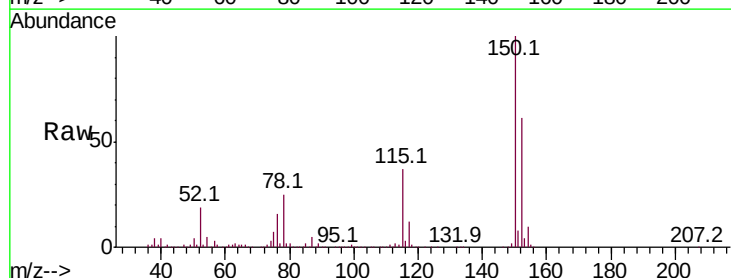


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

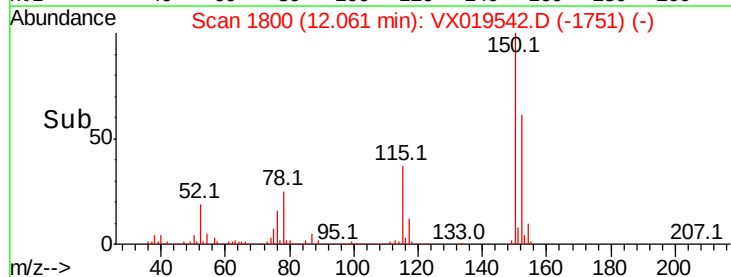
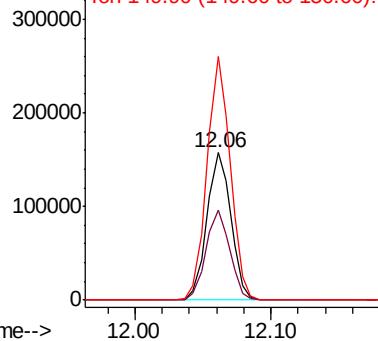


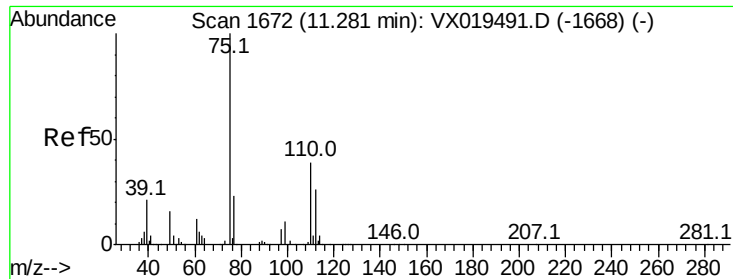
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019542.D
Acq: 23 Nov 2020 11:42

Tgt Ion:152 Resp: 193273
Ion Ratio Lower Upper
152 100
115 60.6 41.8 125.4
150 159.8 0.0 348.2



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: 24.484 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

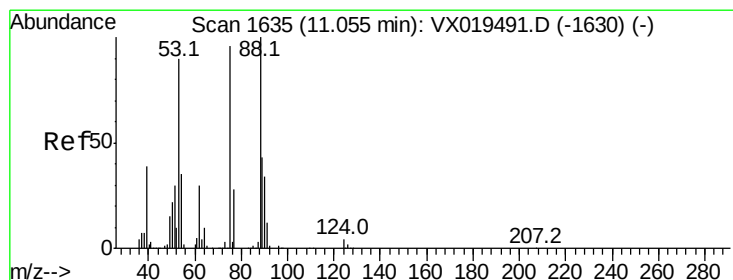
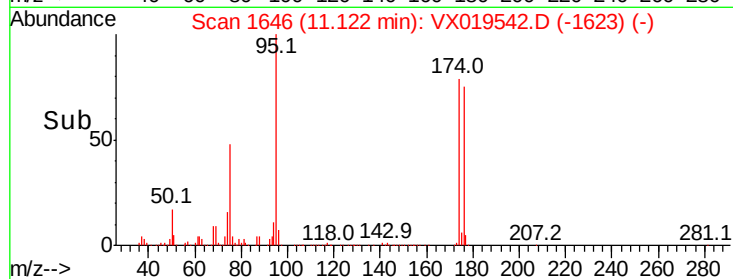
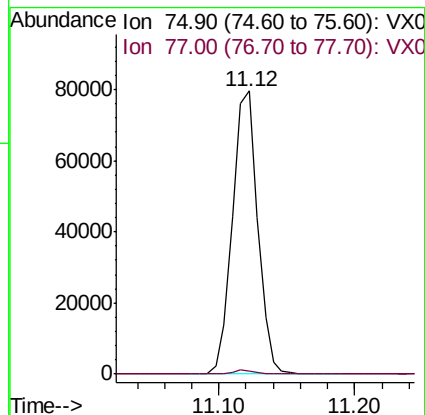
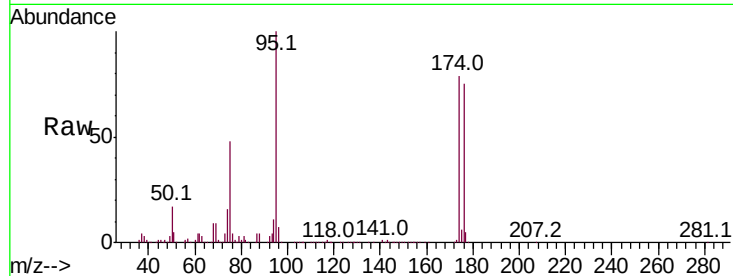
VX1123WBL01

Tot Ion: 75 Resp: 103272

Ion Ratio Lower Upper

75 100

77 1.3 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.765 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

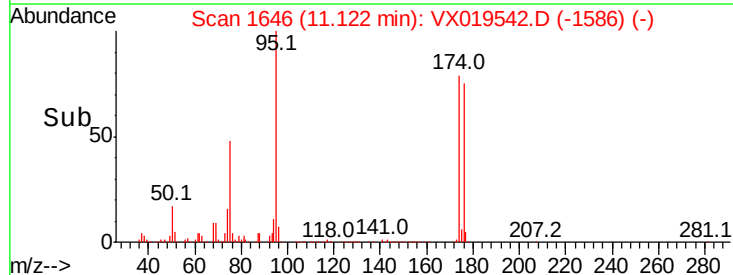
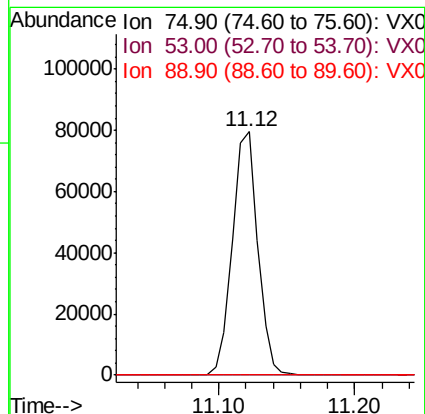
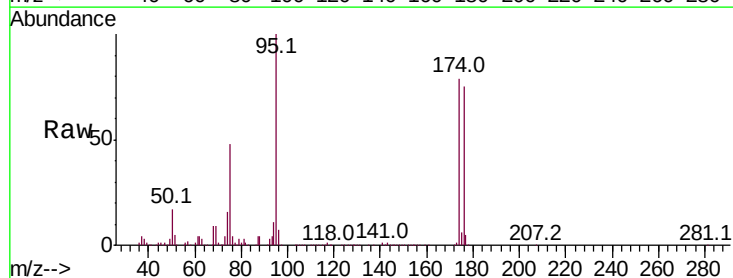
Tgt Ion: 75 Resp: 103272

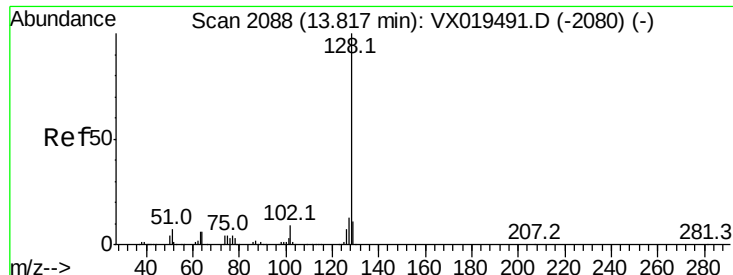
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.248 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019542.D

Acq: 23 Nov 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX1123WBL01

Tot Ion:128 Resp: 1043

Ion Ratio Lower Upper

128 100

127 12.0 10.3 15.5

129 13.9 8.7 13.1#

