

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112520\
 Data File : VX019660.D
 Acq On : 25 Nov 2020 16:41
 Operator : JC/MD
 Sample : L4840-04DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41612DL

Quant Time: Nov 26 05:00:17 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	293475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	475775	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	415834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	180351	47.40	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.80%
35) Dibromofluoromethane	5.46	113	142206	47.62	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.24%
50) Toluene-d8	8.70	98	557171	48.01	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.02%
62) 4-Bromofluorobenzene	11.12	95	200029	47.91	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.82%

Target Compounds

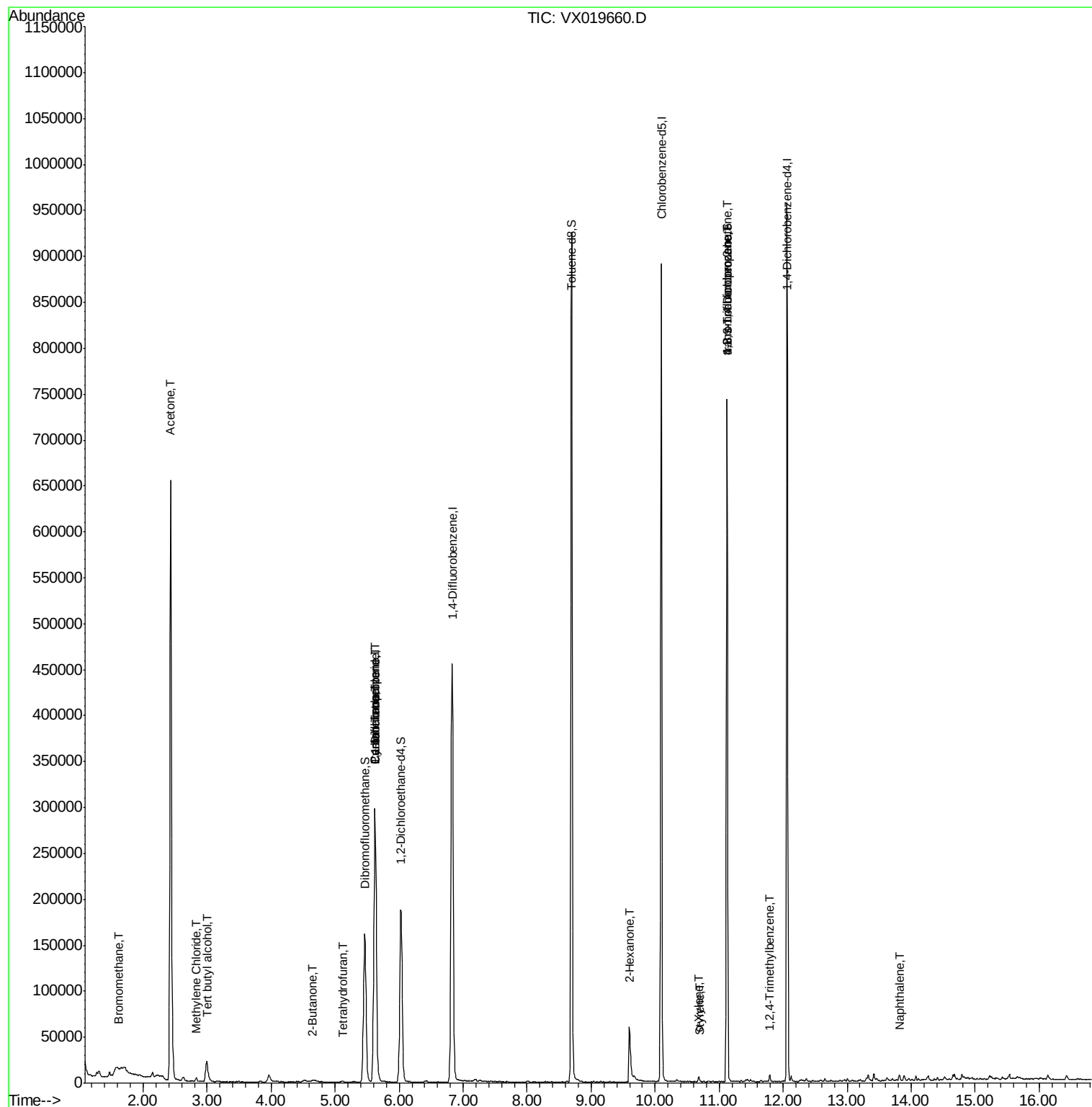
					Qvalue	
5) Bromomethane	1.62	94	397	0.297	ug/l	99
6) Chloroethane	1.68	64	56	Below	Cal	# 82
11) Tert butyl alcohol	2.99	59	15836	21.991	ug/l	# 77
16) Acetone	2.43	43	718079	487.984	ug/l	100
20) Methylene Chloride	2.83	84	1832	0.498	ug/l	95
25) 2-Butanone	4.65	43	2453	1.110	ug/l	97
29) Tetrahydrofuran	5.12	42	818	0.580	ug/l	# 73
31) Cyclohexane	5.62	56	5726	1.157	ug/l	# 1
36) 1,1-Dichloropropene	5.62	75	22724	5.095	ug/l	# 49
38) Carbon Tetrachloride	5.62	117	27881	6.458	ug/l	# 18
59) 2-Hexanone	9.60	43	16694	5.363	ug/l	# 41
69) o-Xylene	10.68	106	1125	0.211	ug/l	98
70) Styrene	10.70	104	203	1.666	ug/l	# 1
76) 1,2,3-Trichloropropane	11.12	75	97924	23.376	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.12	75	97924	62.026	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.79	105	3288	0.292	ug/l	97
95) Naphthalene	13.82	128	4399	2.475	ug/l	# 96

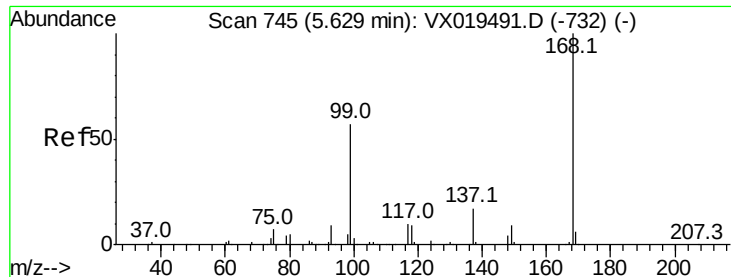
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112520\
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Quant Time: Nov 26 05:00:17 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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

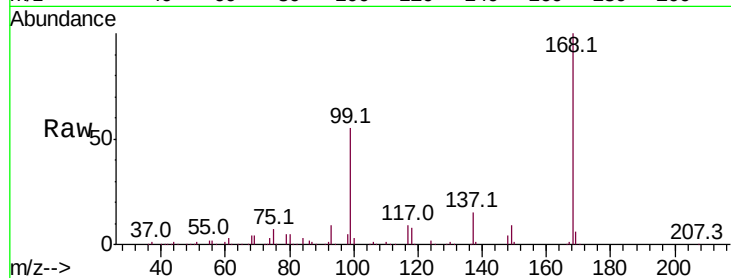
41612DL

Tot Ion:168 Resp: 293475

Ion Ratio Lower Upper

168 100

99 54.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

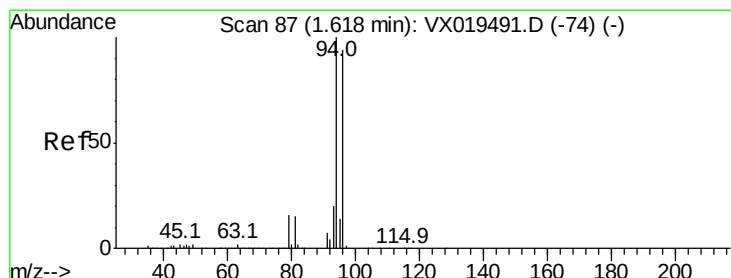
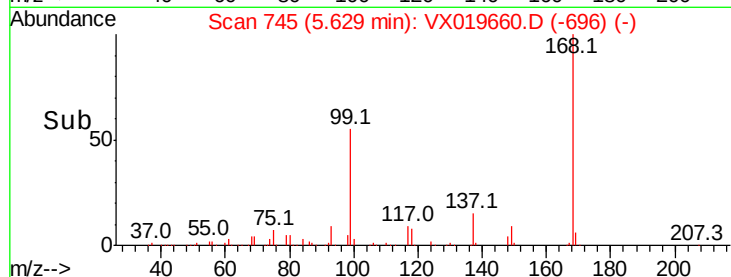
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.297 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019660.D

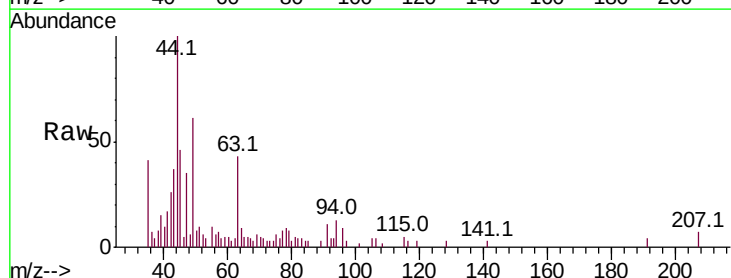
Acq: 25 Nov 2020 16:41

Tgt Ion: 94 Resp: 397

Ion Ratio Lower Upper

94 100

96 93.8 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

300

250

200

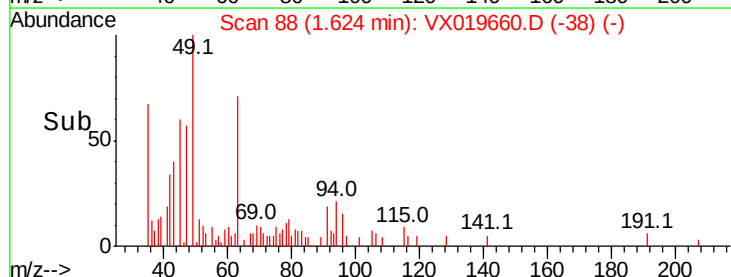
150

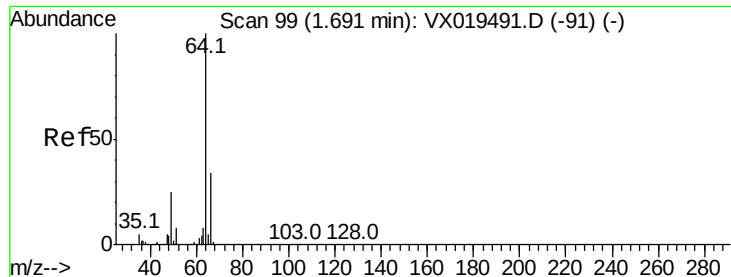
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleID :

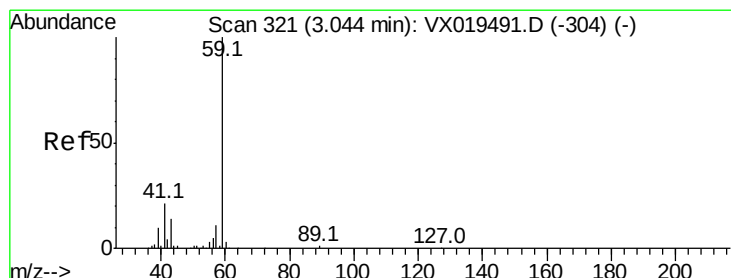
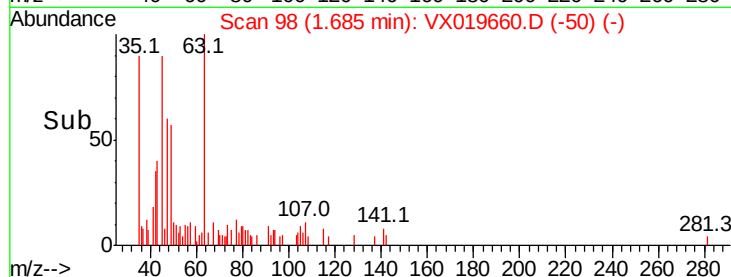
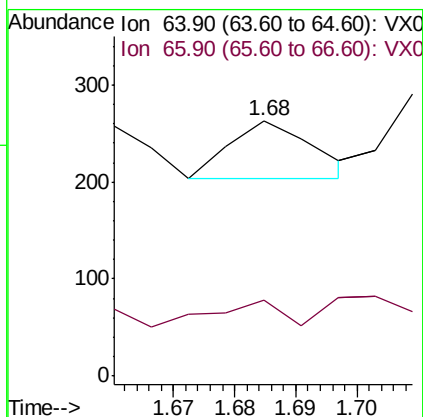
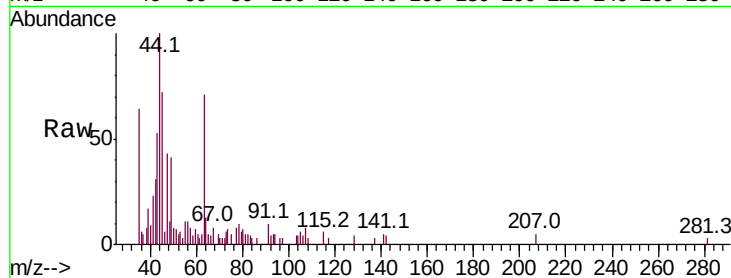
41612DL

Tot Ion: 64 Resp: 56

Ion Ratio Lower Upper

64 100

66 23.3 27.1 40.7#



#11

Tert butyl alcohol

Concen: 21.991 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.05 min

Lab File: VX019660.D

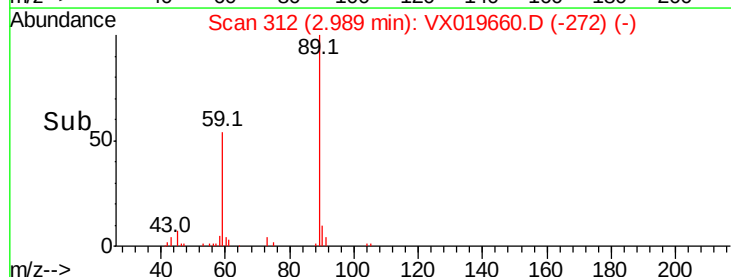
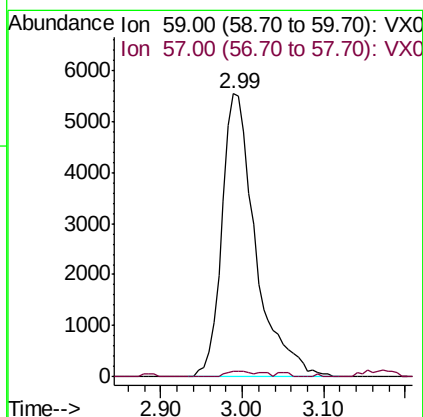
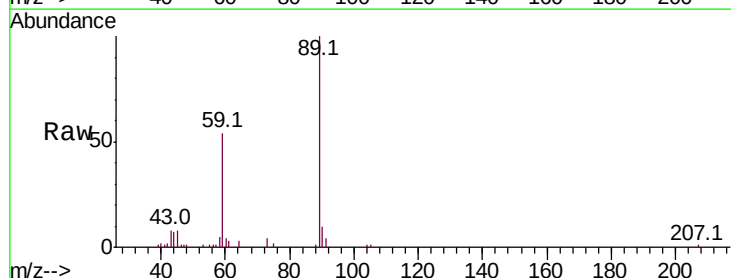
Acq: 25 Nov 2020 16:41

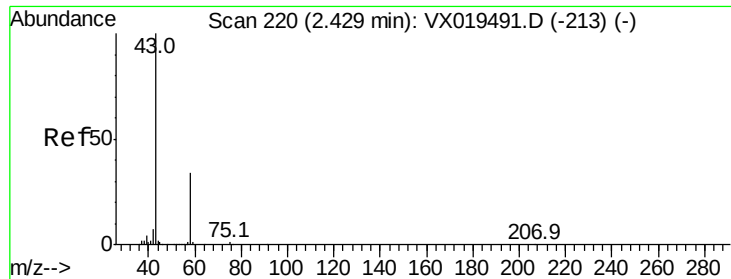
Tgt Ion: 59 Resp: 15836

Ion Ratio Lower Upper

59 100

57 1.5 7.9 11.9#





#16

Acetone

Concen: 487.984 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

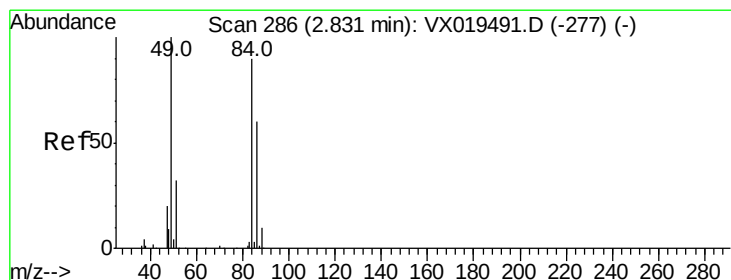
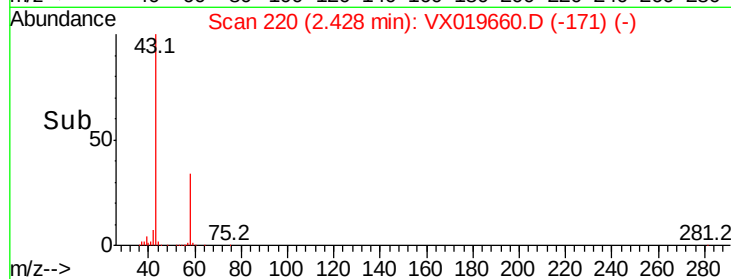
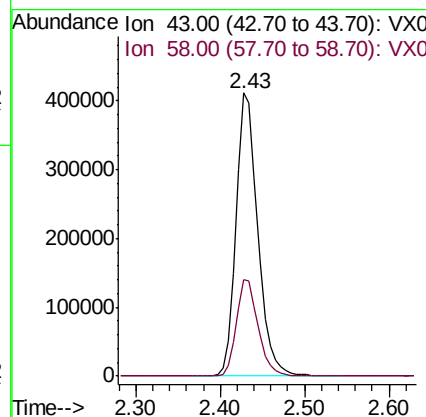
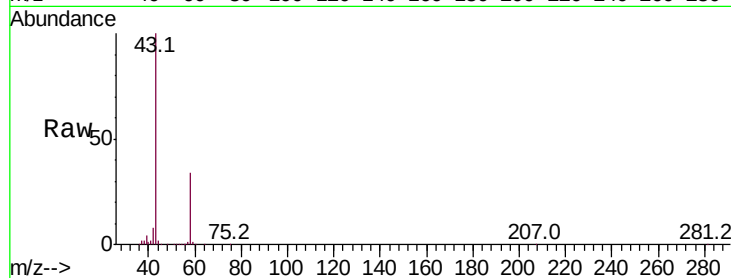
41612DL

Tot Ion: 43 Resp: 718079

Ion Ratio Lower Upper

43 100

58 34.1 27.4 41.2



#20

Methylene Chloride

Concen: 0.498 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Tgt Ion: 84 Resp: 1832

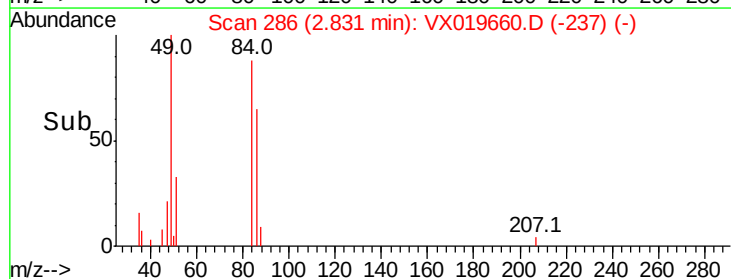
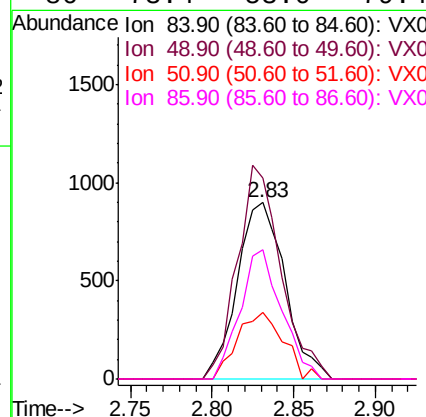
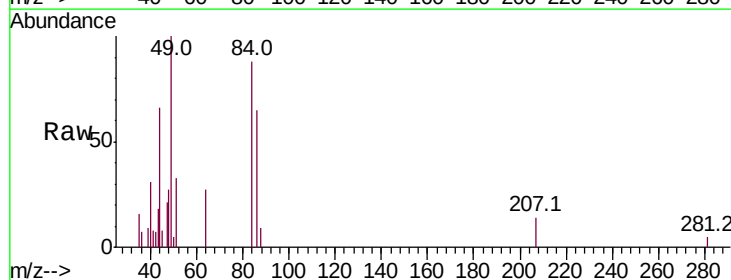
Ion Ratio Lower Upper

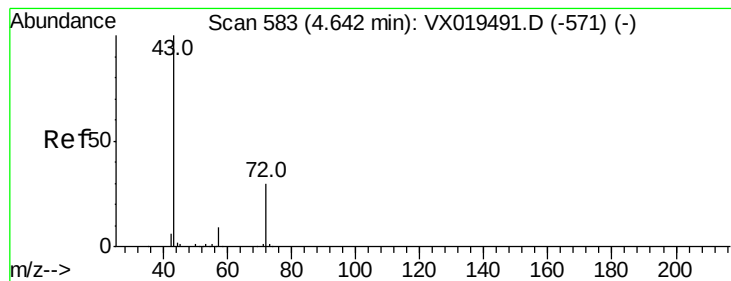
84 100

49 113.6 88.5 132.7

51 38.0 28.0 42.0

86 73.4 53.0 79.4





#25

2-Butanone

Concen: 1.110 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

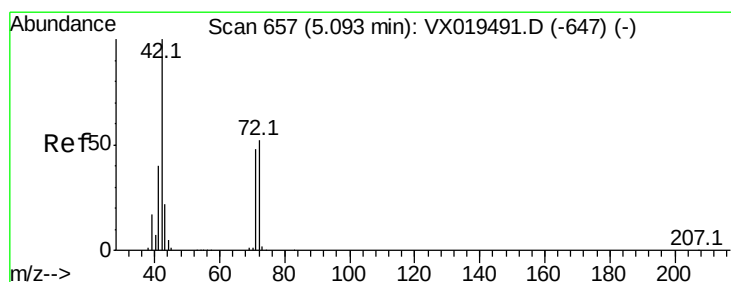
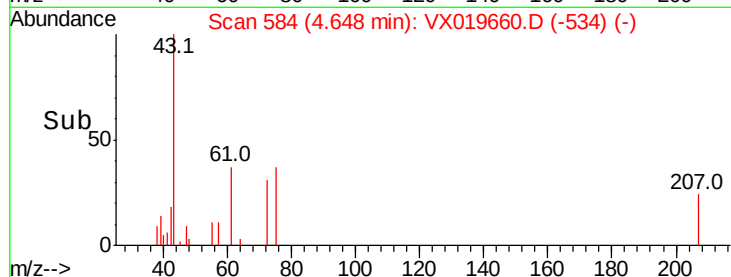
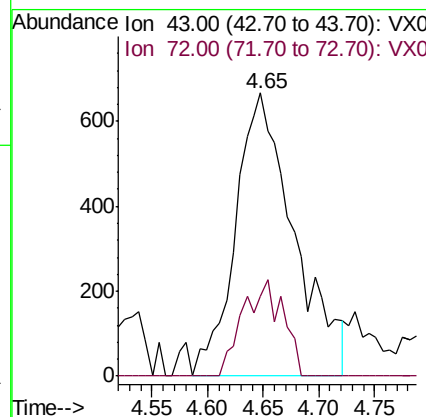
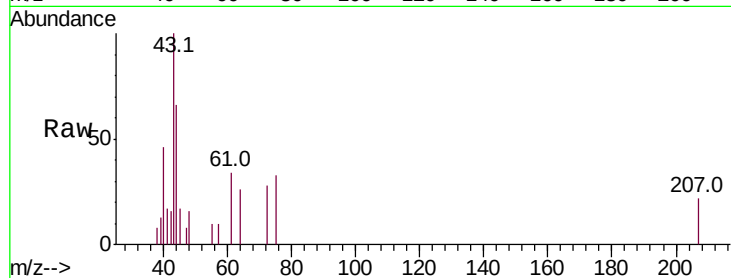
41612DL

Tot Ion: 43 Resp: 2453

Ion Ratio Lower Upper

43 100

72 28.3 24.0 36.0



#29

Tetrahydrofuran

Concen: 0.580 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

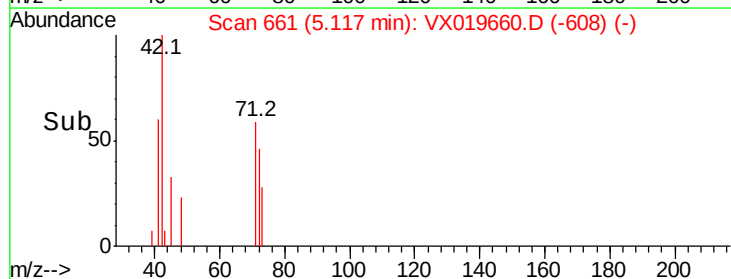
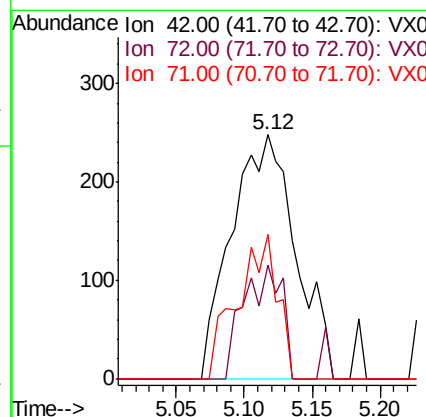
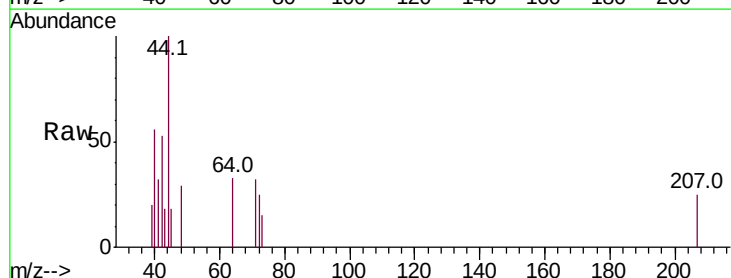
Tgt Ion: 42 Resp: 818

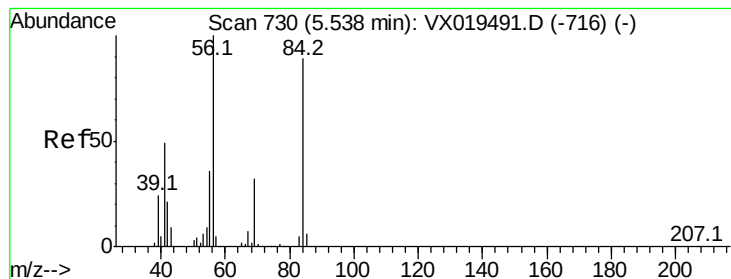
Ion Ratio Lower Upper

42 100

72 27.9 42.6 63.8#

71 36.8 39.0 58.6#





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleID :

41612DL

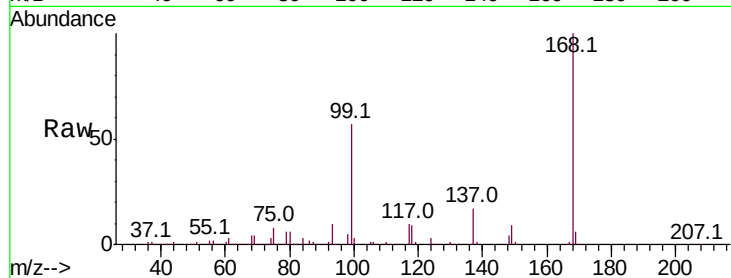
Tot Ion: 56 Resp: 5726

Ion Ratio Lower Upper

56 100

69 205.4 25.5 38.3#

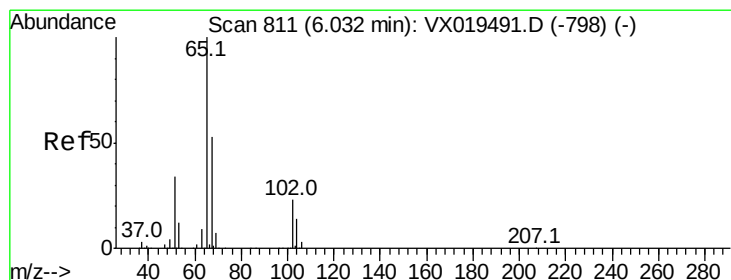
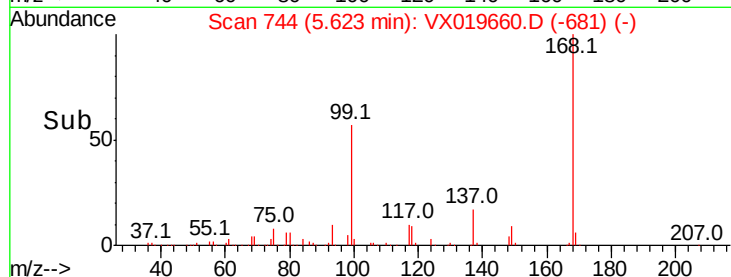
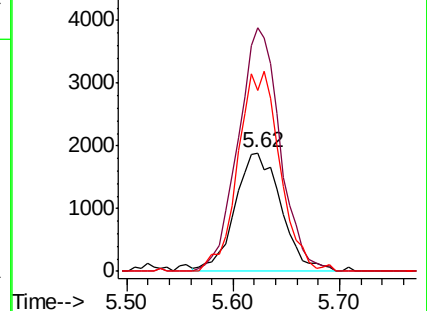
84 152.8 71.1 106.7#



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: 47.397 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019660.D

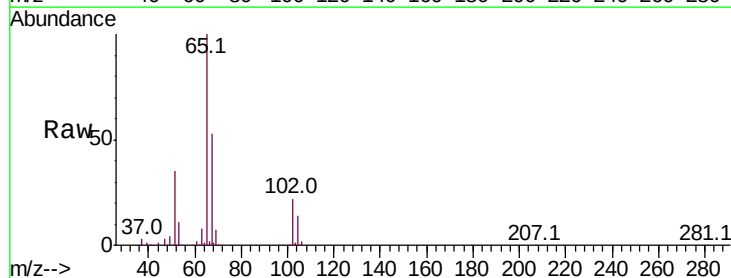
Acq: 25 Nov 2020 16:41

Tgt Ion: 65 Resp: 180351

Ion Ratio Lower Upper

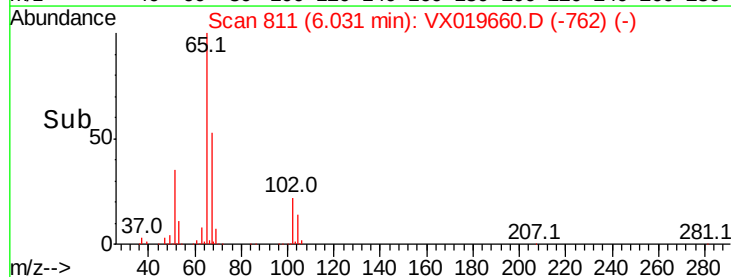
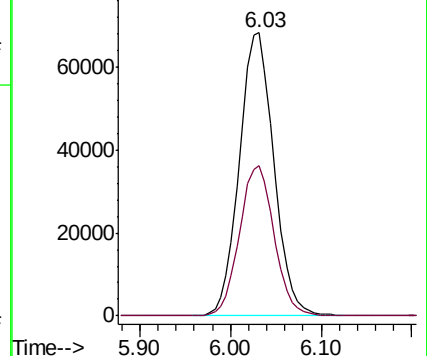
65 100

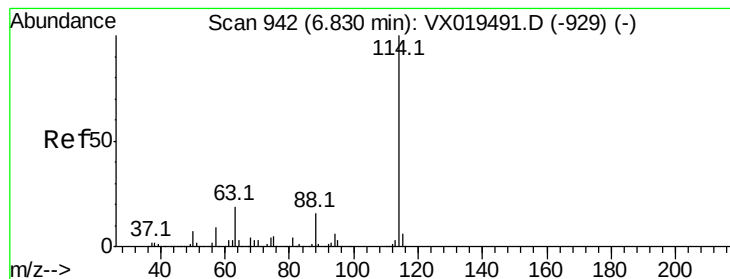
67 53.4 0.0 105.0



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: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

41612DL

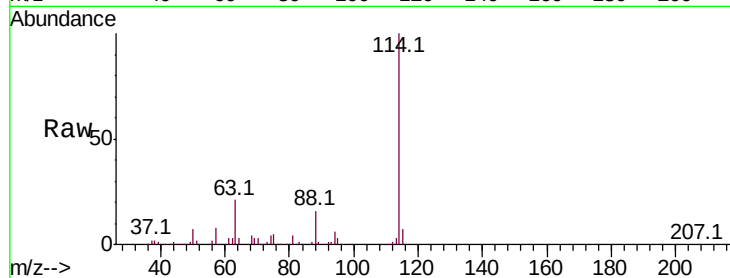
Tot Ion:114 Resp: 475775

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

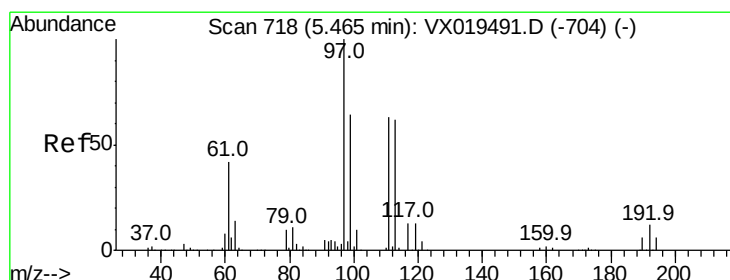
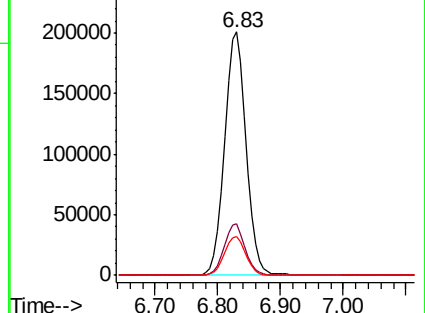
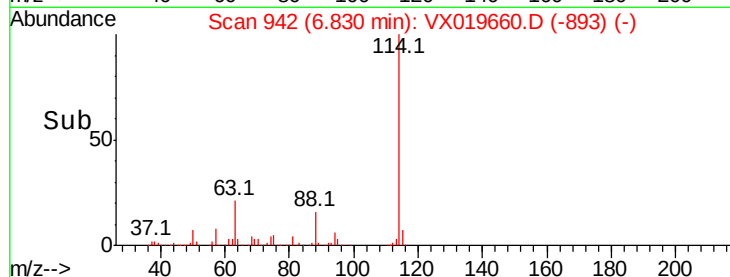
88 15.8 0.0 31.6



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: 47.617 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

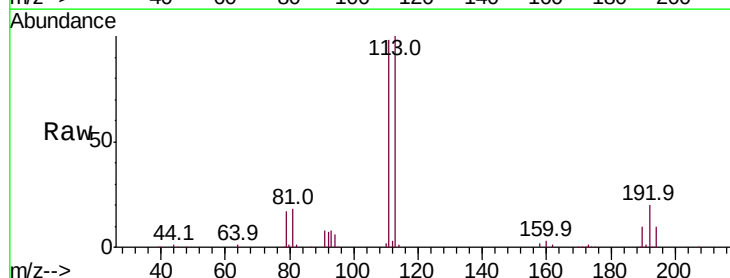
Tgt Ion:113 Resp: 142206

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

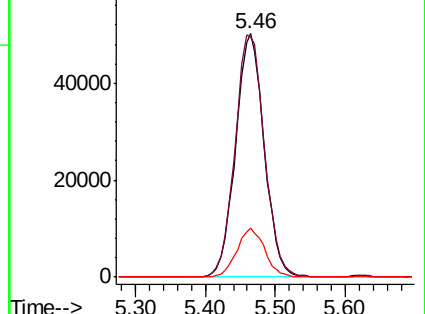
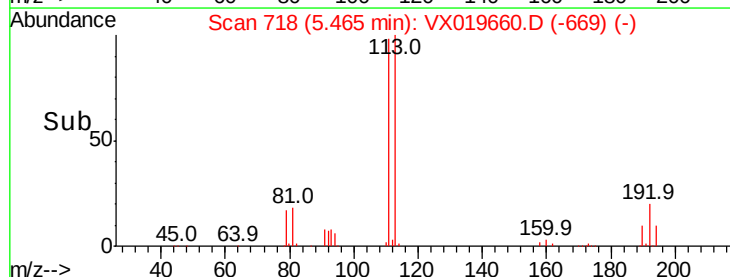
192 19.6 16.2 24.2

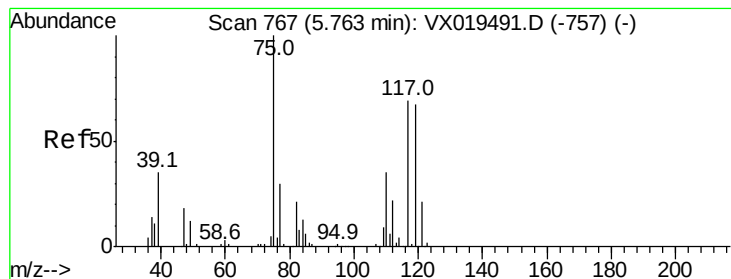


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.095 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

41612DL

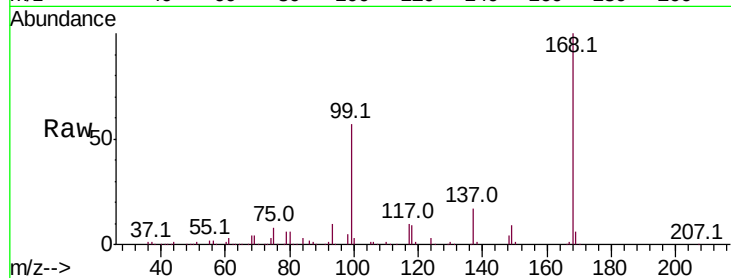
Tot Ion: 75 Resp: 22724

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.3#

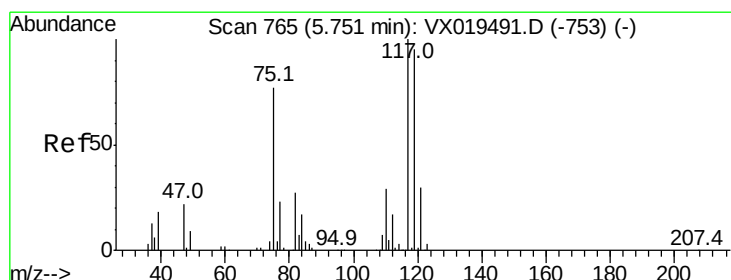
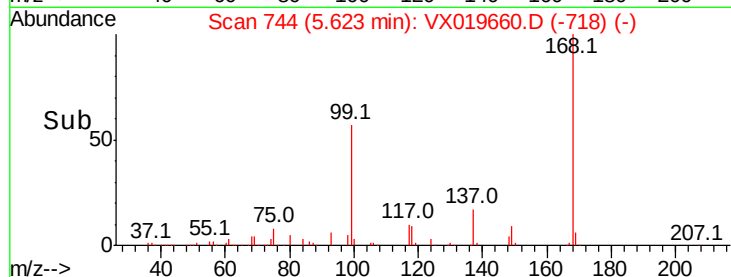
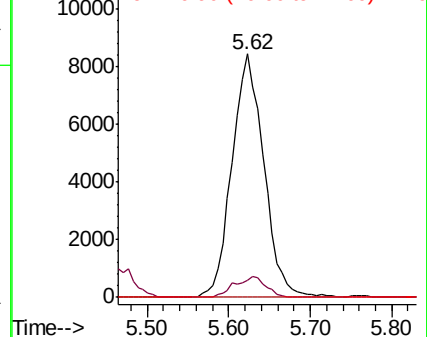
77 0.0 24.2 36.4#



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: 6.458 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

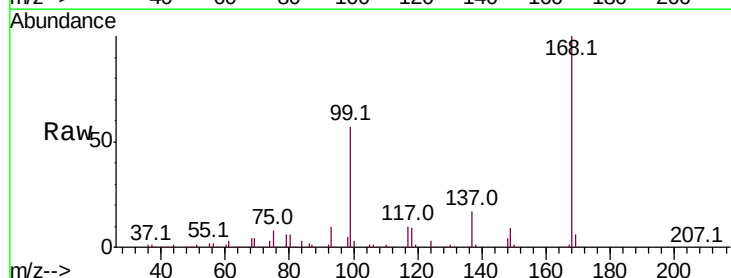
Tgt Ion: 117 Resp: 27881

Ion Ratio Lower Upper

117 100

119 6.5 75.9 113.9#

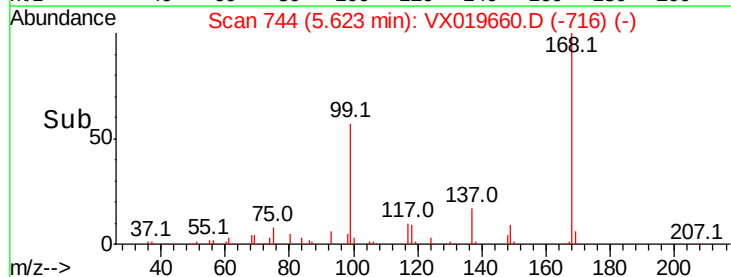
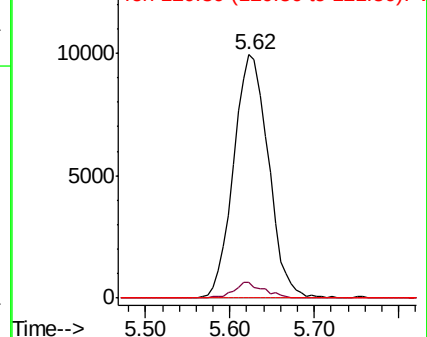
121 0.0 24.0 36.0#

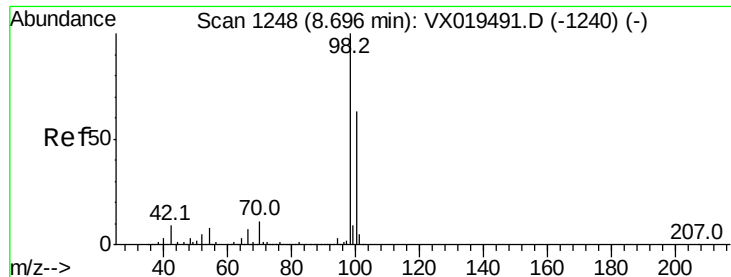


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

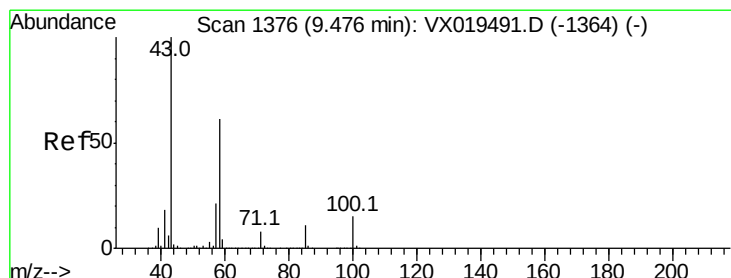
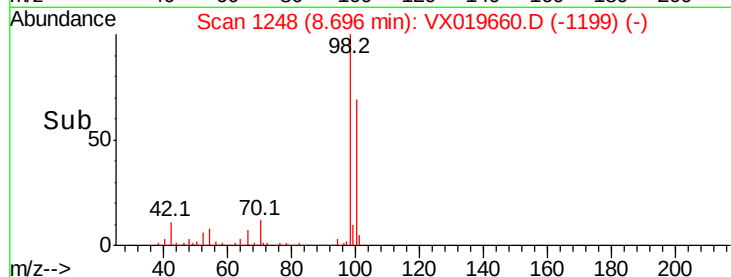
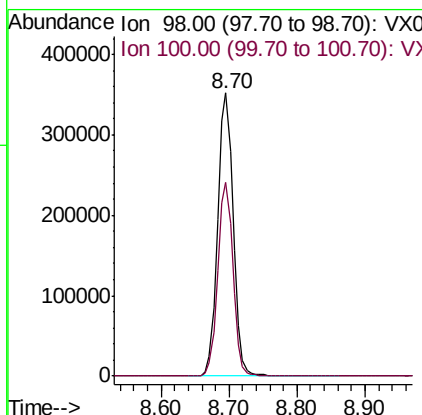
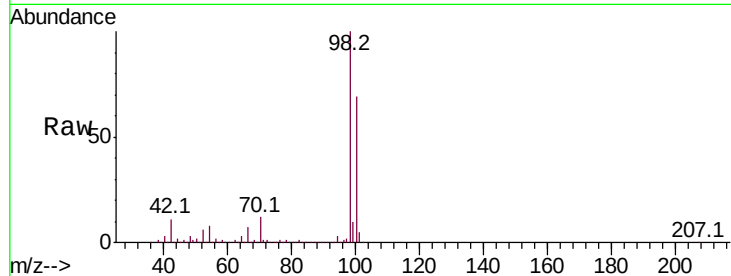




#50
Toluene-d8
Concen: 48.011 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019660.D
Acq: 25 Nov 2020 16:41

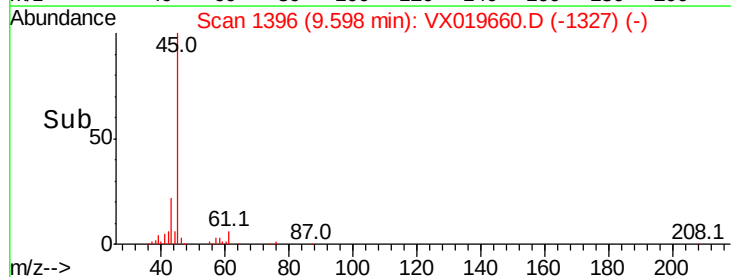
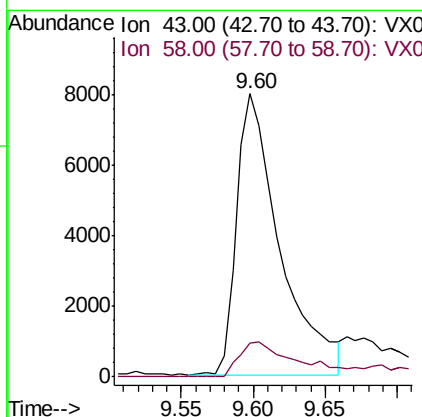
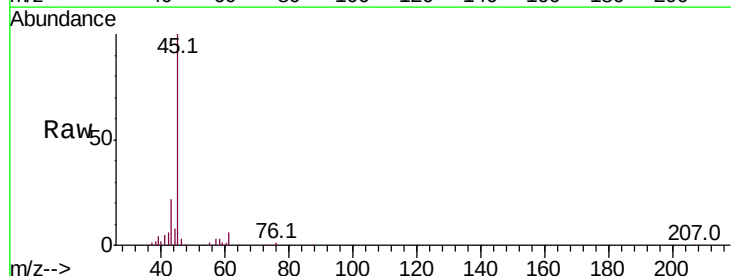
Instrument :
MSVOA_X
ClientSampleId :
41612DL

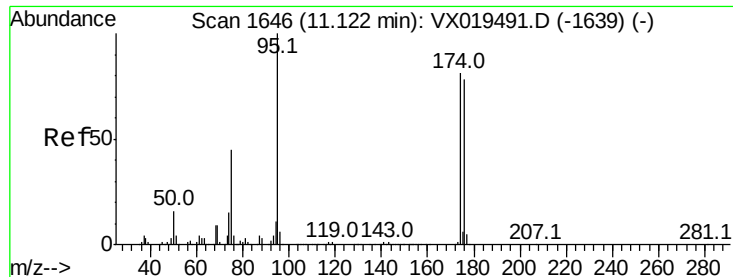
Tot Ion: 98 Resp: 557171
Ion Ratio Lower Upper
98 100
100 67.2 52.4 78.6



#59
2-Hexanone
Concen: 5.363 ug/l
RT: 9.60 min Scan# 1396
Delta R.T. 0.12 min
Lab File: VX019660.D
Acq: 25 Nov 2020 16:41

Tgt Ion: 43 Resp: 16694
Ion Ratio Lower Upper
43 100
58 16.1 30.6 91.6#





#62

4-Bromofluorobenzene

Concen: 47.907 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

41612DL

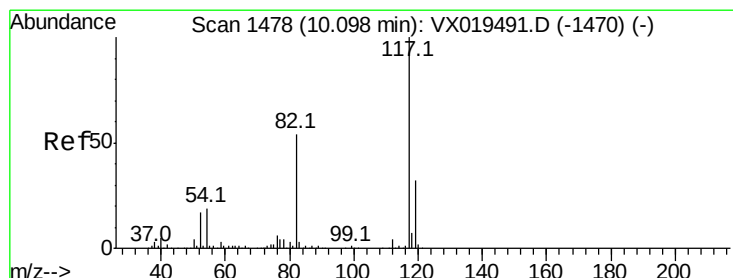
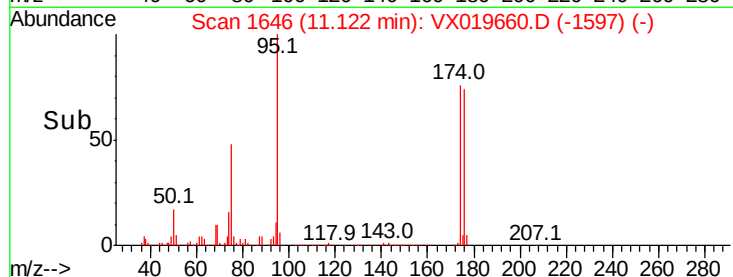
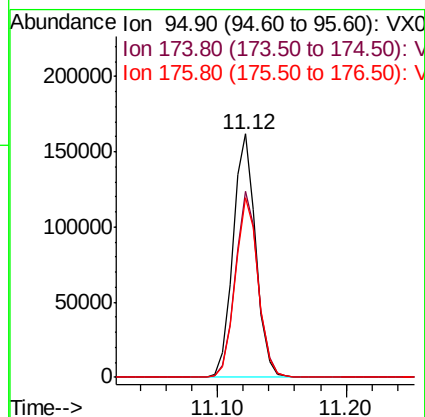
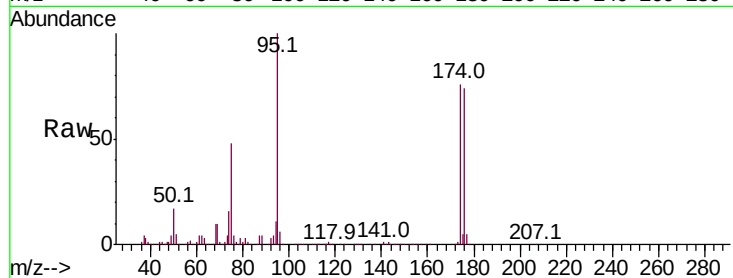
Tot Ion: 95 Resp: 200029

Ion Ratio Lower Upper

95 100

174 76.1 0.0 156.2

176 74.1 0.0 151.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

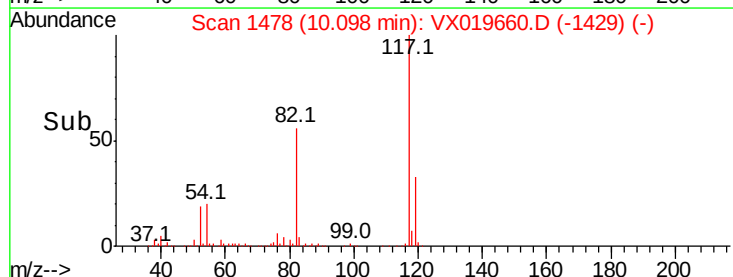
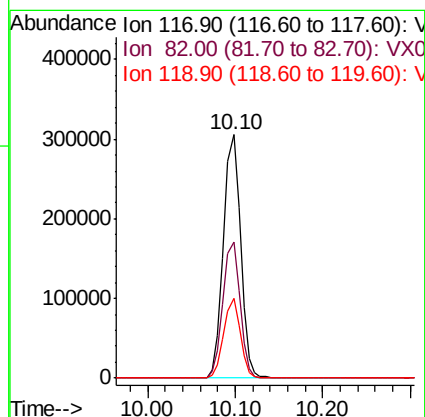
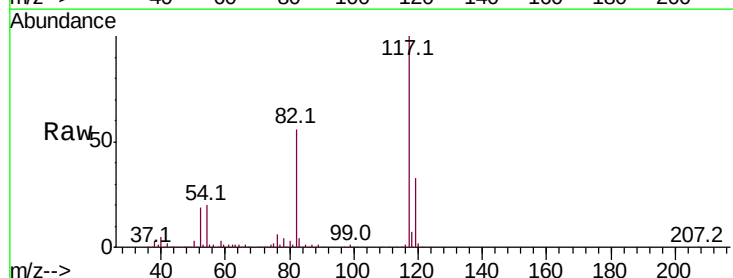
Tgt Ion: 117 Resp: 415834

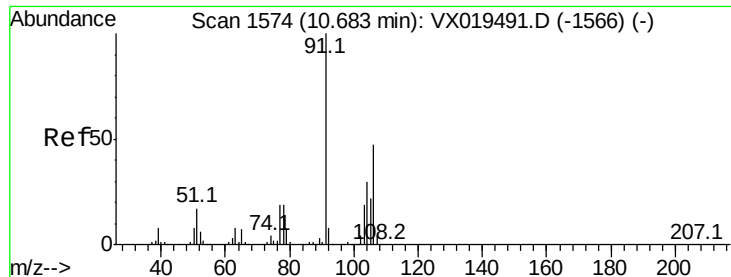
Ion Ratio Lower Upper

117 100

82 55.7 43.0 64.4

119 32.9 25.6 38.4

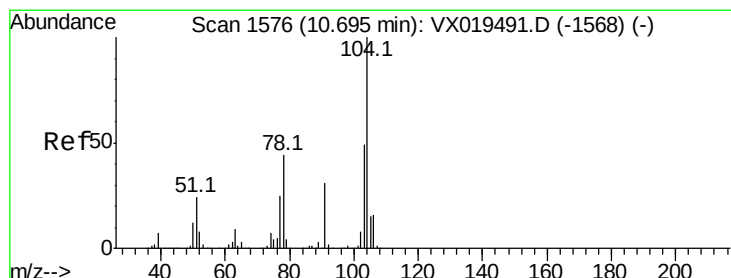
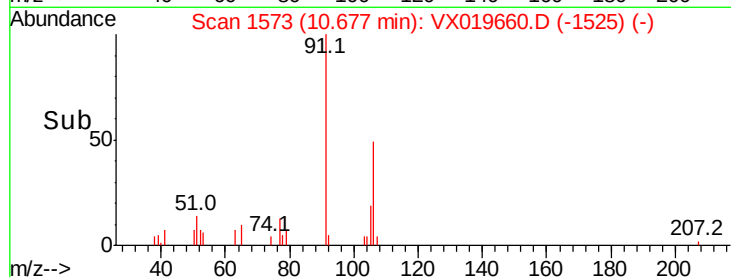
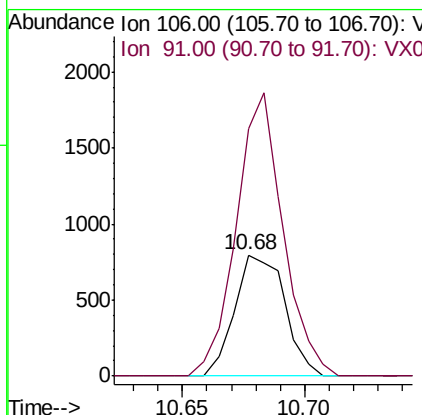
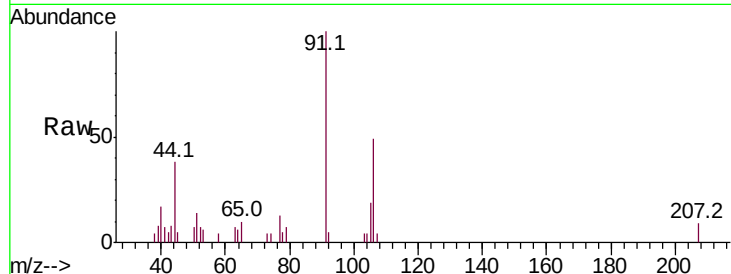




#69
o-Xylene
Concen: 0.211 ug/l
RT: 10.68 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VX019660.D
Acq: 25 Nov 2020 16:41

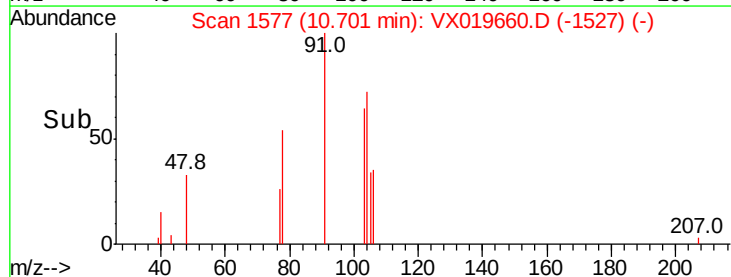
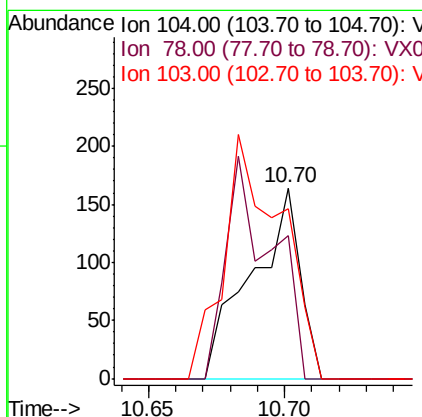
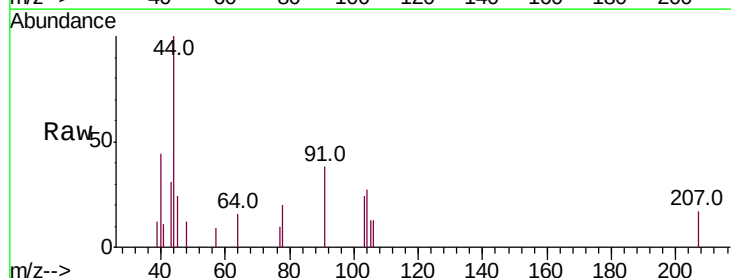
Instrument :
MSVOA_X
ClientSampled :
41612DL

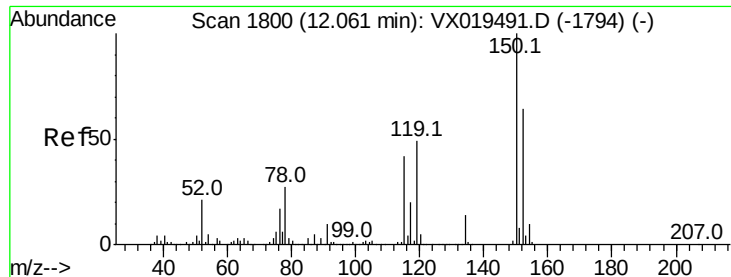
Tot Ion:106 Resp: 1125
Ion Ratio Lower Upper
106 100
91 219.7 108.0 324.0



#70
Styrene
Concen: 1.666 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX019660.D
Acq: 25 Nov 2020 16:41

Tgt Ion:104 Resp: 203
Ion Ratio Lower Upper
104 100
78 109.9 39.5 59.3#
103 149.8 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: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

41612DL

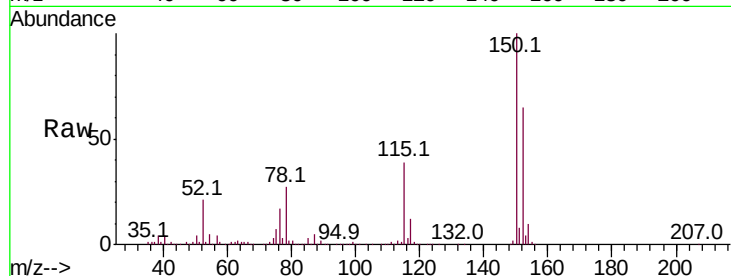
Tot Ion:152 Resp: 191950

Ion Ratio Lower Upper

152 100

115 59.3 41.8 125.4

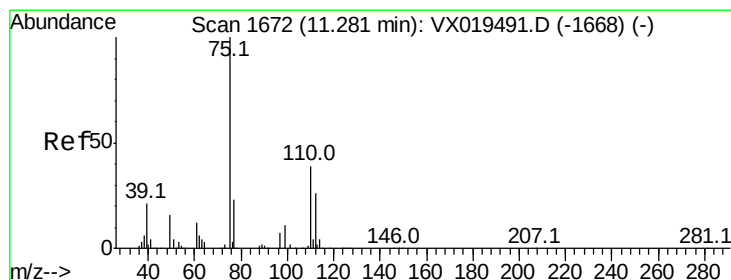
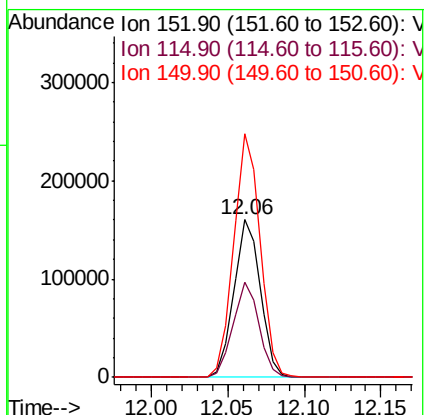
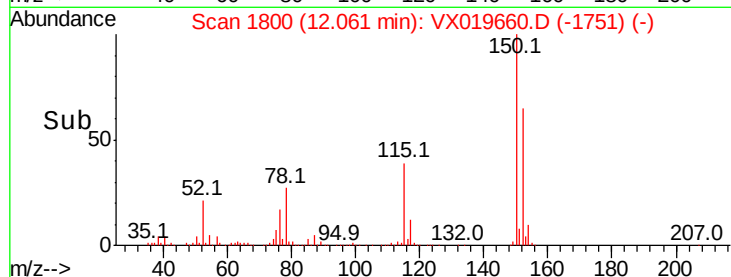
150 154.2 0.0 348.2



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: 23.376 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019660.D

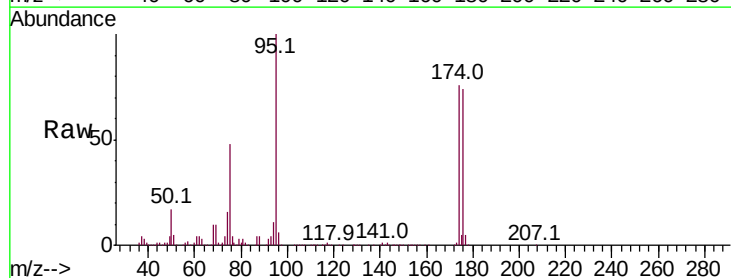
Acq: 25 Nov 2020 16:41

Tgt Ion: 75 Resp: 97924

Ion Ratio Lower Upper

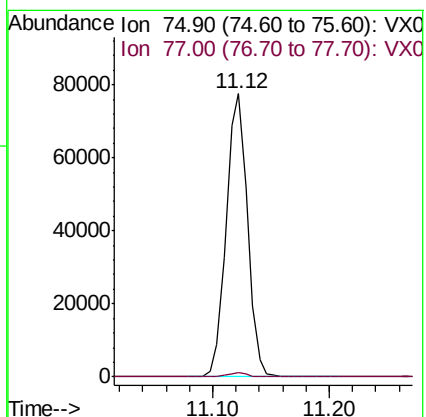
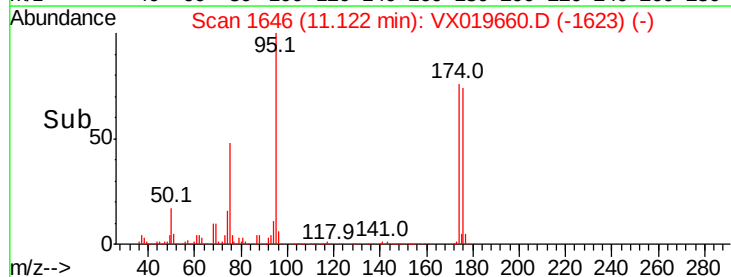
75 100

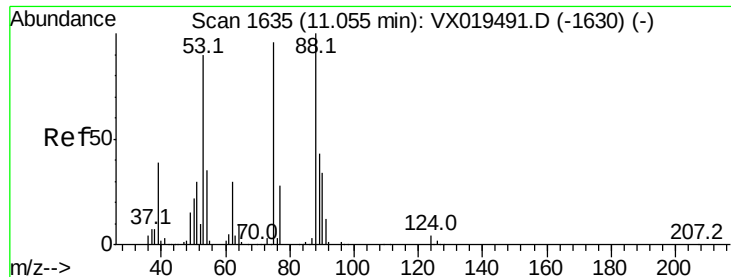
77 1.3 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.026 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

41612DL

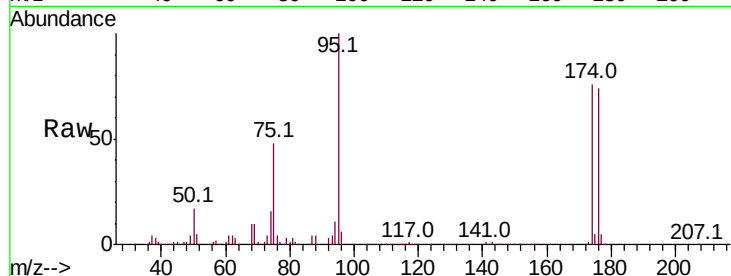
Tot Ion: 75 Resp: 97924

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

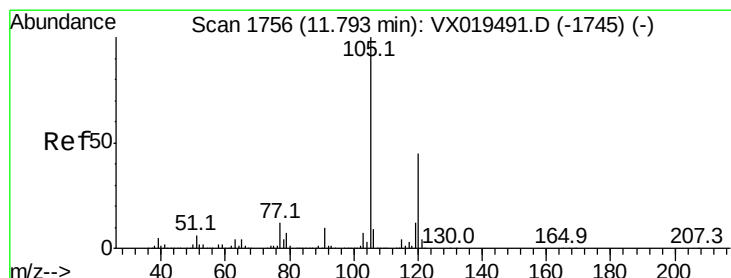
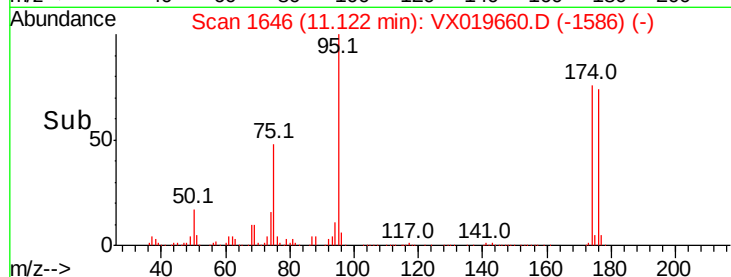
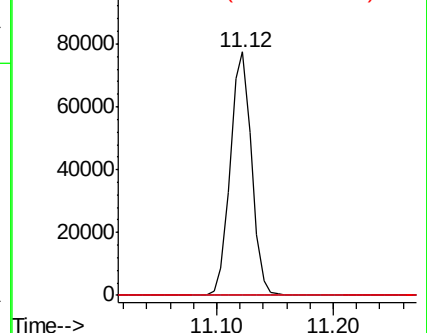
89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.292 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019660.D

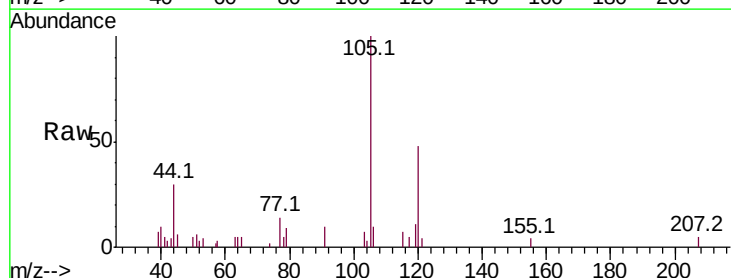
Acq: 25 Nov 2020 16:41

Tgt Ion:105 Resp: 3288

Ion Ratio Lower Upper

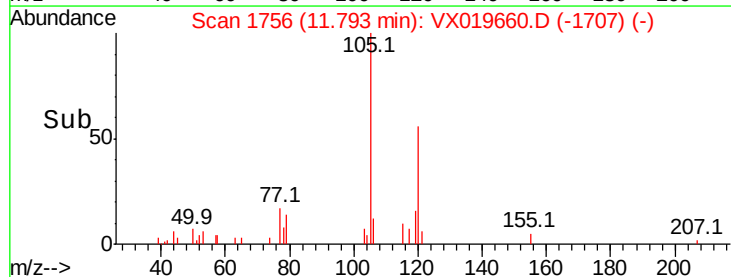
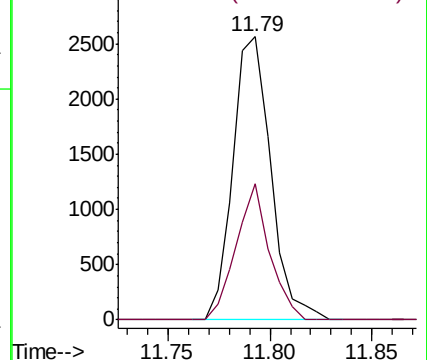
105 100

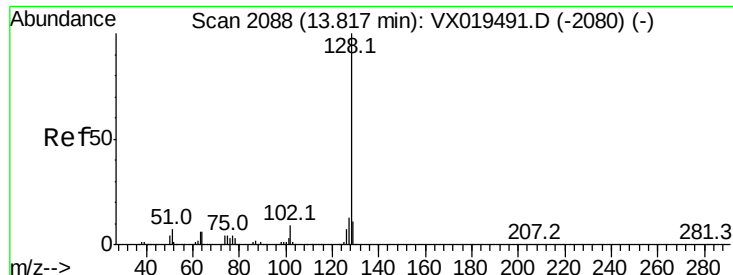
120 42.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 2.475 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019660.D

Acq: 25 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

41612DL

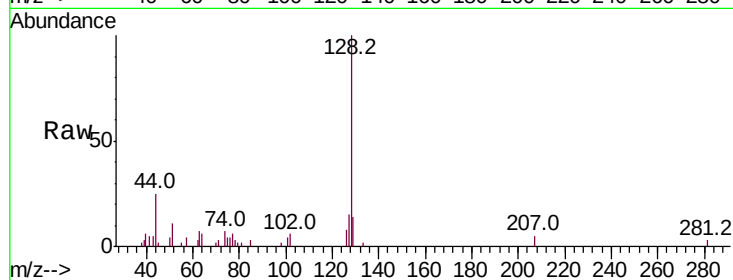
Tot Ion:128 Resp: 4399

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 14.4 8.7 13.1#



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

