

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112520\
 Data File : VX019656.D
 Acq On : 25 Nov 2020 15:08
 Operator : JC/MD
 Sample : L4840-05 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 16858DL

Quant Time: Nov 26 04:59:27 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	305736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	504623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	479160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	191824	48.39	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.78%		
35) Dibromofluoromethane	5.46	113	152319	48.09	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.18%		
50) Toluene-d8	8.70	98	613142	49.81	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.62%		
62) 4-Bromofluorobenzene	11.12	95	231300	52.23	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.46%		

Target Compounds

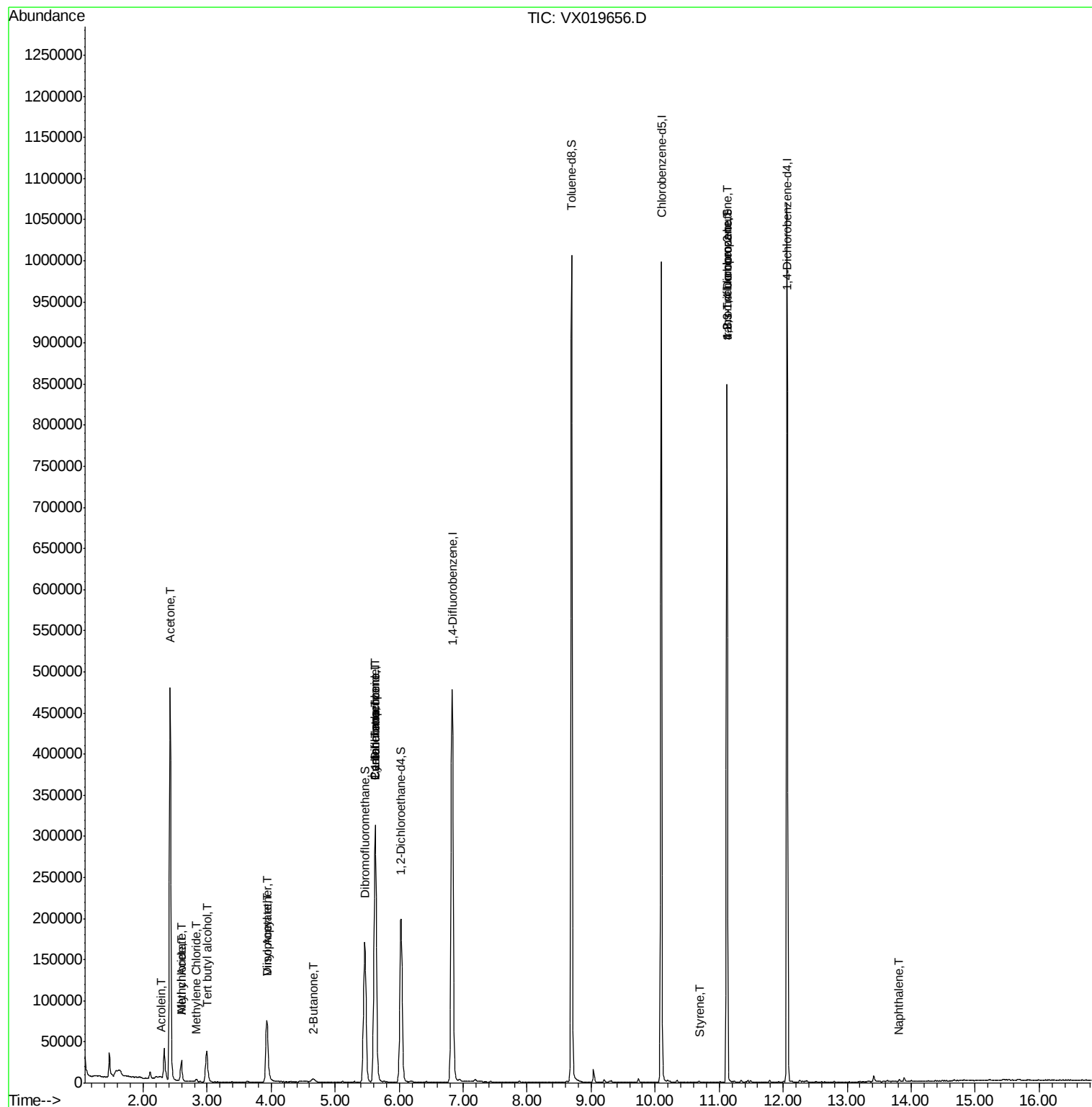
						Qvalue
6) Chloroethane	1.68	64	936	Below Cal	#	47
11) Tert butyl alcohol	3.00	59	23296	31.052	ug/l #	78
13) Acrolein	2.28	56	464	0.920	ug/l #	55
14) Allyl chloride	2.60	41	3047	0.641	ug/l #	67
16) Acetone	2.42	43	483246	315.229	ug/l	100
18) Methyl Acetate	2.59	43	8438	2.851	ug/l #	47
20) Methylene Chloride	2.83	84	1435	0.375	ug/l #	90
22) Diisopropyl ether	3.93	45	5115	0.520	ug/l #	1
23) Vinyl Acetate	3.93	43	11969	1.451	ug/l #	68
25) 2-Butanone	4.65	43	3998	1.736	ug/l	91
31) Cyclohexane	5.63	56	6158	1.194	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22995	4.861	ug/l #	50
38) Carbon Tetrachloride	5.63	117	29590	6.462	ug/l #	17
70) Styrene	10.69	104	309	1.672	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	112251	23.794	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	112251	63.058	ug/l #	12
95) Naphthalene	13.82	128	1703	2.280	ug/l	97

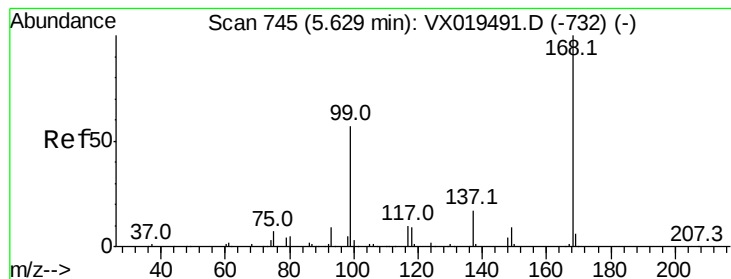
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

Instrument :

MSVOA_X

ClientSampleID :

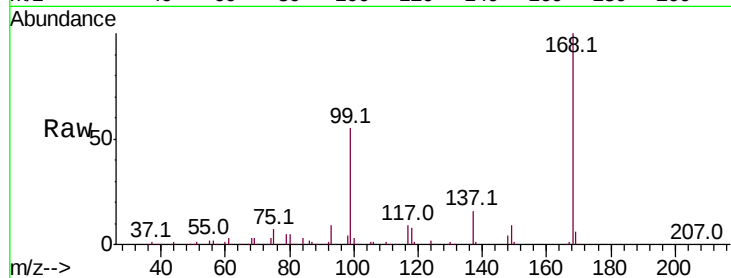
16858DL

Tot Ion:168 Resp: 305736

Ion Ratio Lower Upper

168 100

99 54.7 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

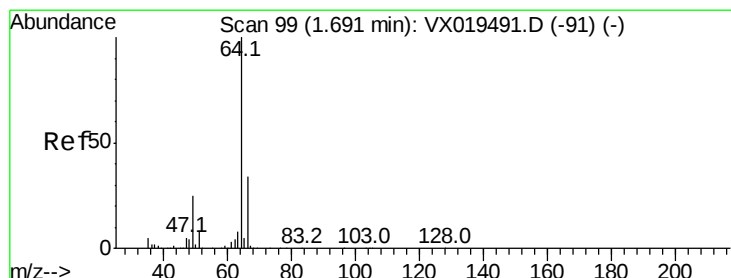
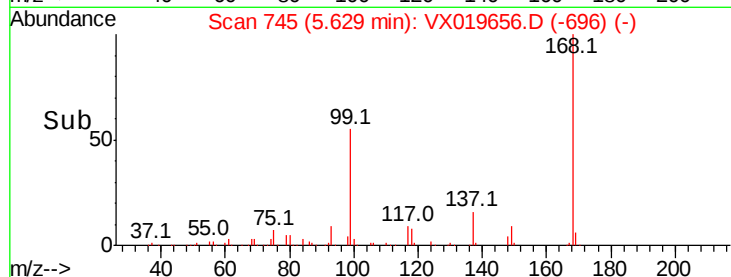
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019656.D

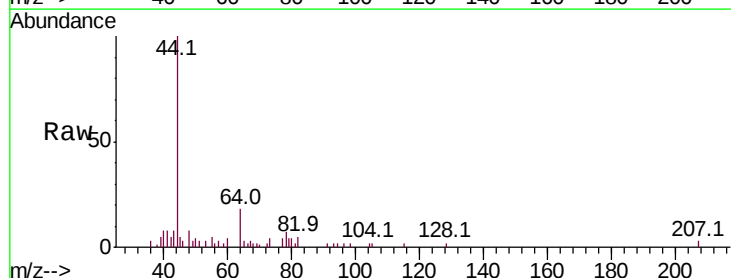
Acq: 25 Nov 2020 15:08

Tgt Ion: 64 Resp: 936

Ion Ratio Lower Upper

64 100

66 3.3 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

800

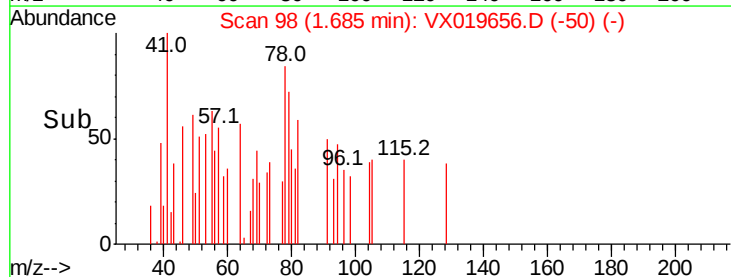
600

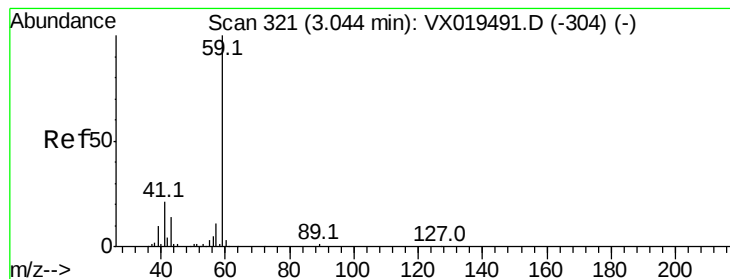
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 31.052 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

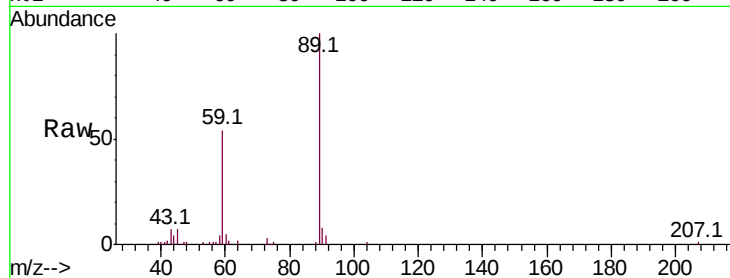
16858DL

Tot Ion: 59 Resp: 23296

Ion Ratio Lower Upper

59 100

57 1.8 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

10000

8000

6000

4000

2000

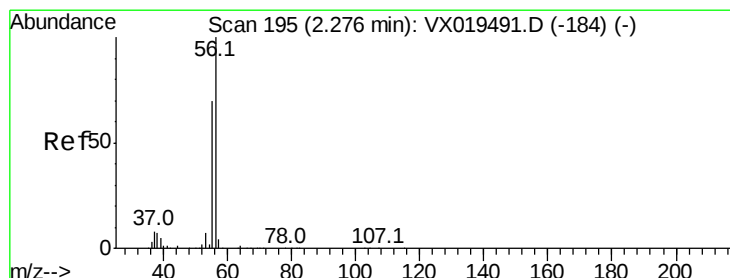
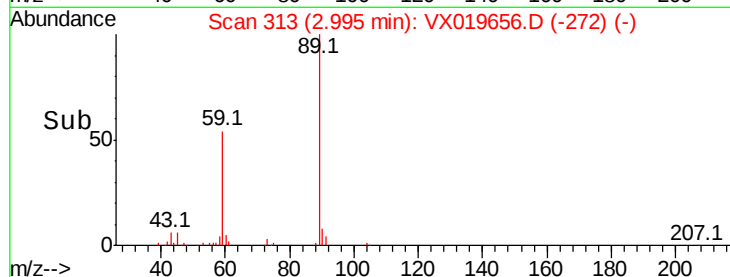
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Time-->

2.90

3.00

3.10



#13

Acrolein

Concen: 0.920 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019656.D

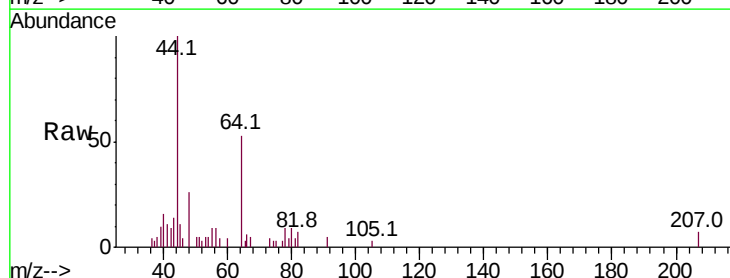
Acq: 25 Nov 2020 15:08

Tgt Ion: 56 Resp: 464

Ion Ratio Lower Upper

56 100

55 32.5 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

800

600

400

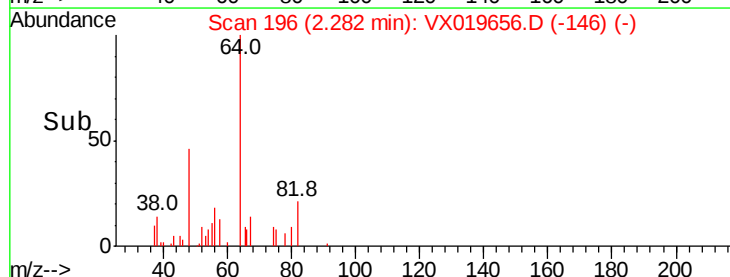
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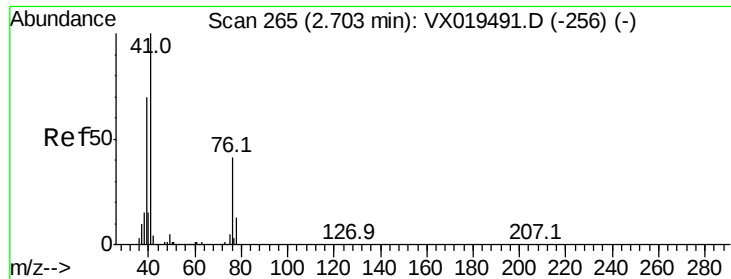
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Time-->

2.25

2.30

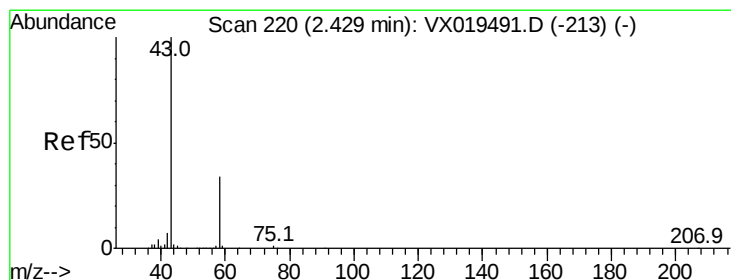
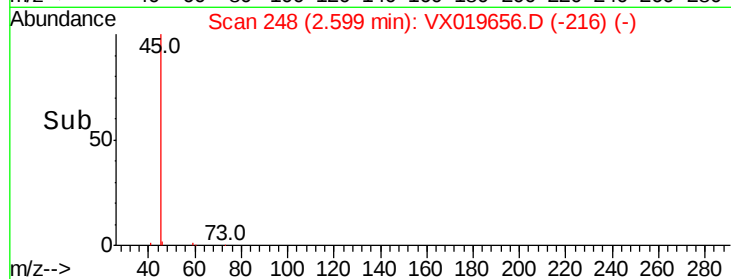
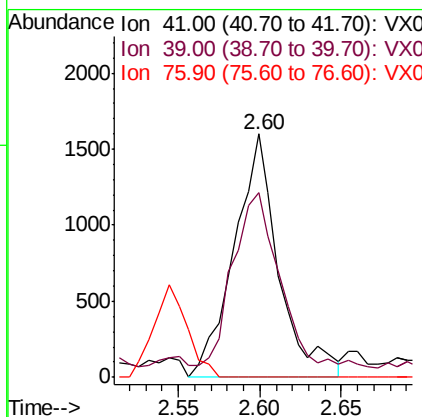
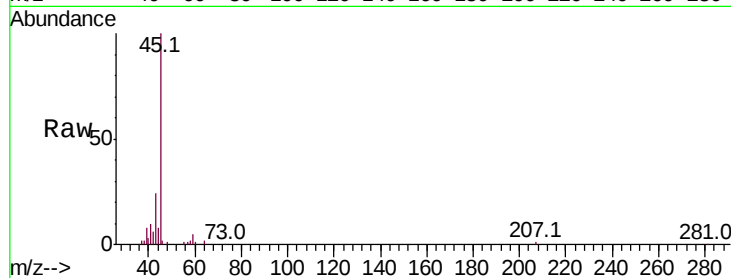




#14
Allv1 chloride
Concen: 0.641 ug/l
RT: 2.60 min Scan# 248
Delta R.T. -0.10 min
Lab File: VX019656.D
Acq: 25 Nov 2020 15:08

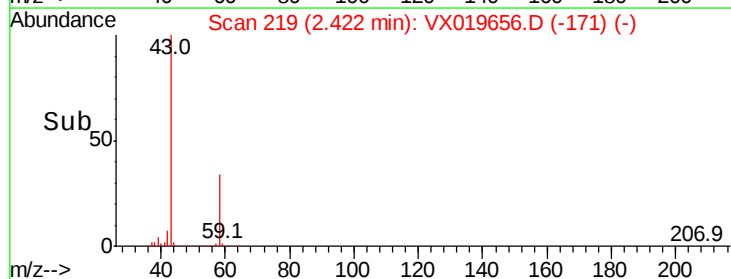
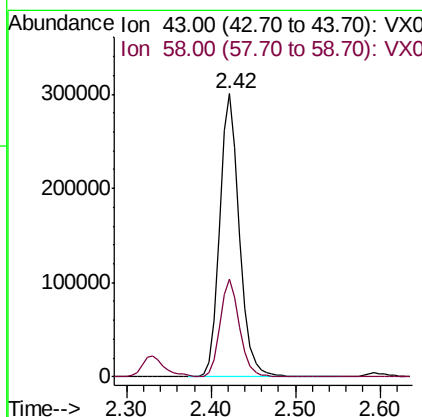
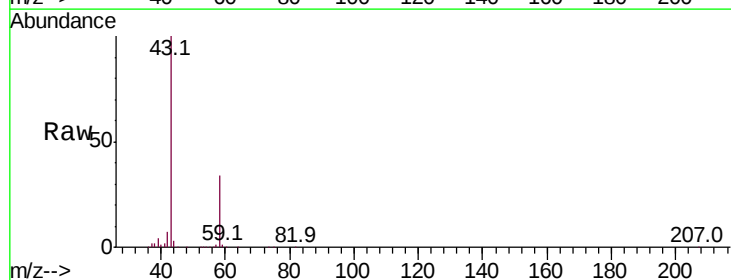
Instrument :
MSVOA_X
ClientSampleId :
16858DL

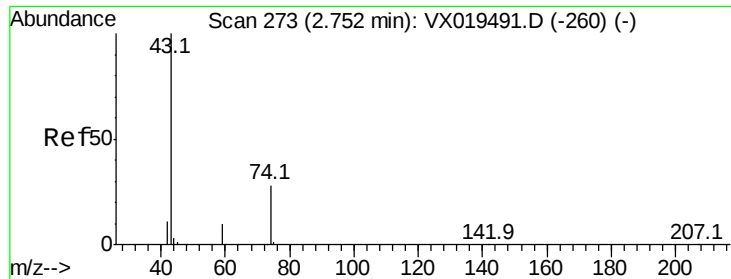
Tot Ion: 41 Resp: 3047
Ion Ratio Lower Upper
41 100
39 78.7 53.0 79.4
76 0.0 31.0 46.6#



#16
Acetone
Concen: 315.229 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX019656.D
Acq: 25 Nov 2020 15:08

Tgt Ion: 43 Resp: 483246
Ion Ratio Lower Upper
43 100
58 34.4 27.4 41.2

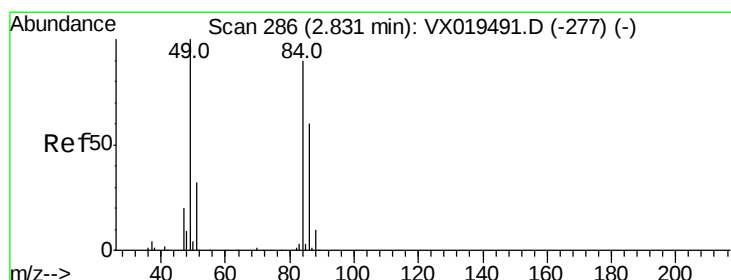
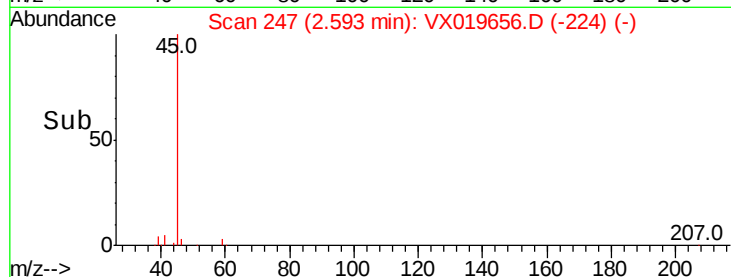
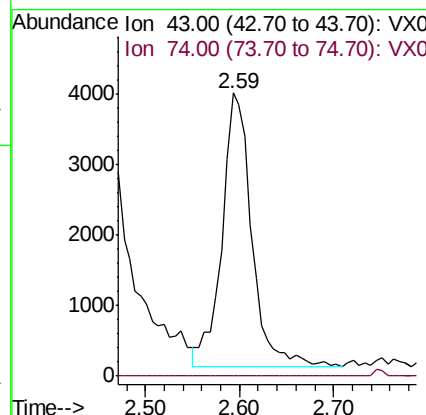
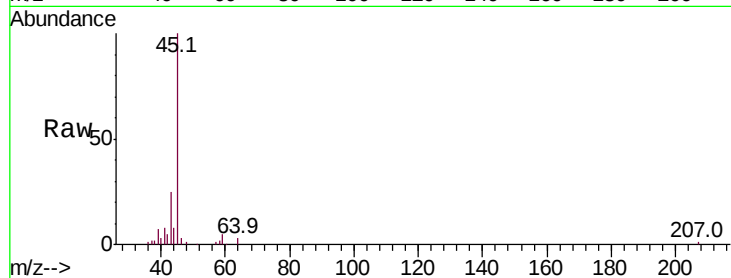




#18
Methyl Acetate
Concen: 2.851 ug/l
RT: 2.59 min Scan# 247
Delta R.T. -0.16 min
Lab File: VX019656.D
Acq: 25 Nov 2020 15:08

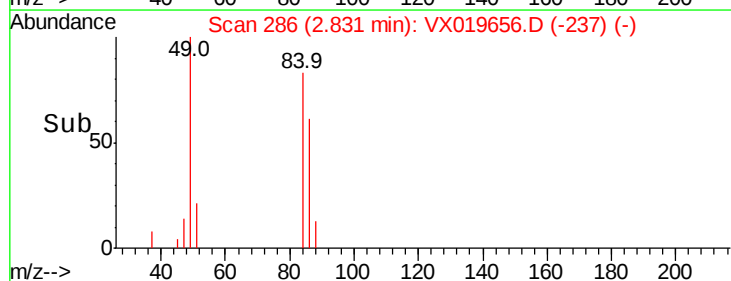
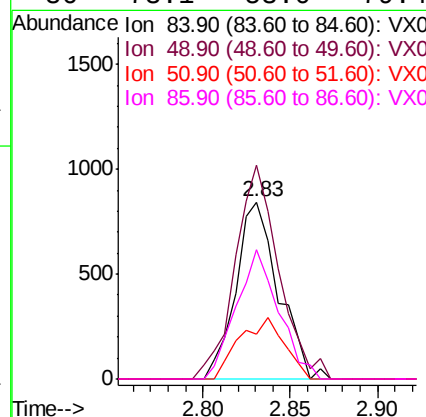
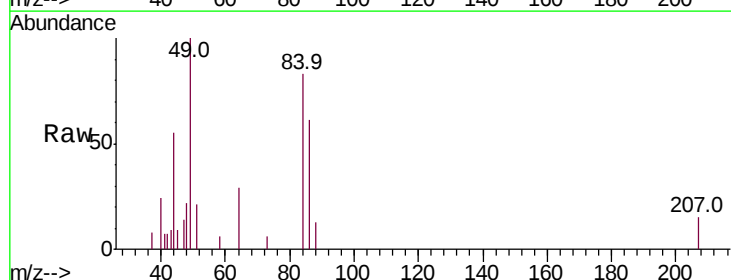
Instrument :
MSVOA_X
ClientSampleId :
16858DL

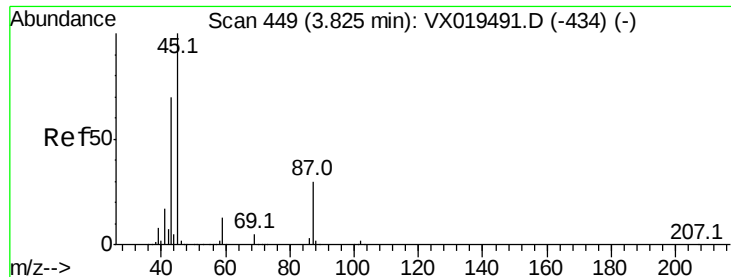
Tot Ion: 43 Resp: 8438
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#20
Methylene Chloride
Concen: 0.375 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019656.D
Acq: 25 Nov 2020 15:08

Tgt Ion: 84 Resp: 1435
Ion Ratio Lower Upper
84 100
49 120.6 88.5 132.7
51 25.4 28.0 42.0#
86 73.1 53.0 79.4





#22

Diisopropyl ether

Concen: 0.520 ug/l

RT: 3.93 min Scan# 467

Delta R.T. 0.11 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

16858DL

Tot Ion: 45 Resp: 5115

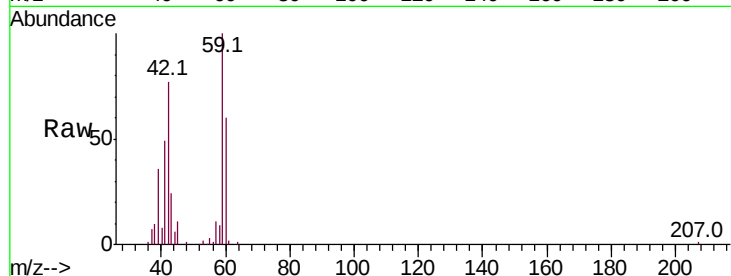
Ion Ratio Lower Upper

45 100

43 224.1 56.1 84.1#

87 0.0 24.2 36.2#

59 925.2 10.2 15.2#

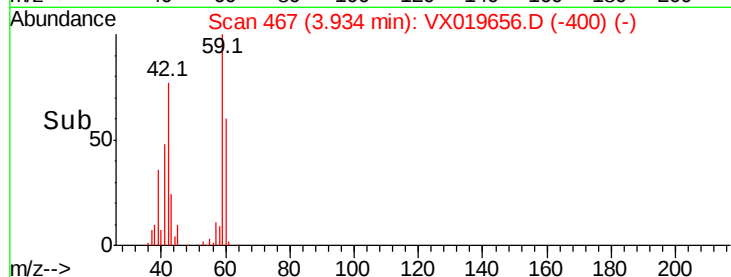
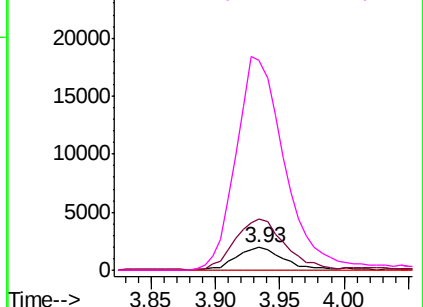


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 1.451 ug/l

RT: 3.93 min Scan# 467

Delta R.T. 0.15 min

Lab File: VX019656.D

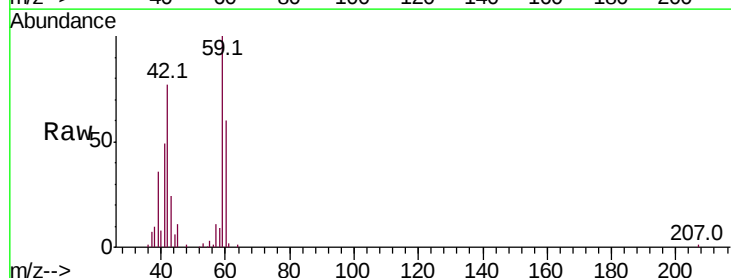
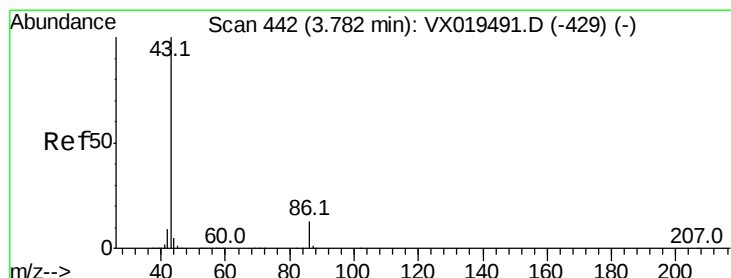
Acq: 25 Nov 2020 15:08

Tgt Ion: 43 Resp: 11969

Ion Ratio Lower Upper

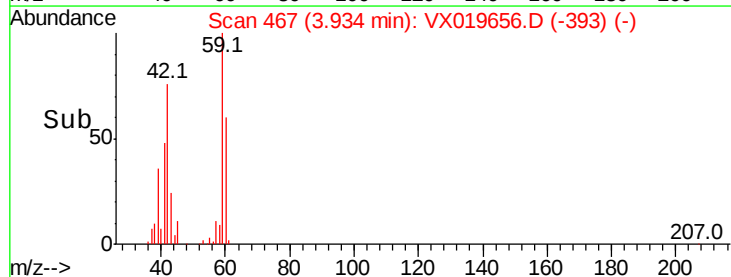
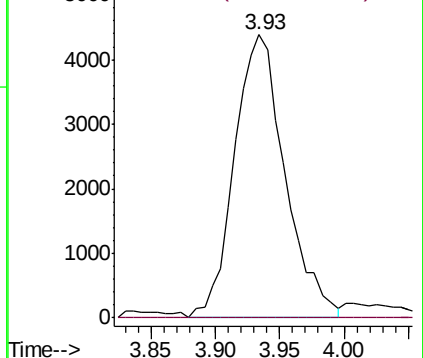
43 100

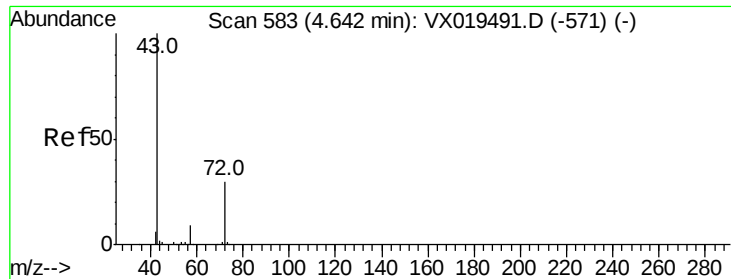
86 0.0 10.2 15.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#25

2-Butanone

Concen: 1.736 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

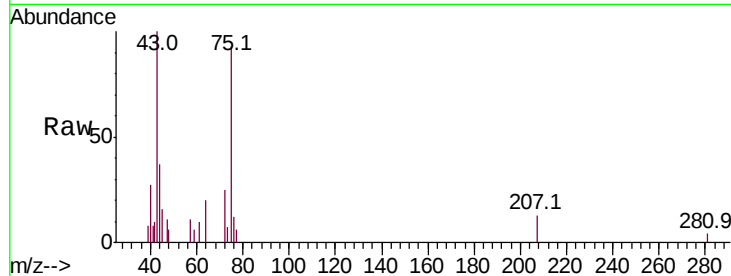
16858DL

Tot Ion: 43 Resp: 3998

Ion Ratio Lower Upper

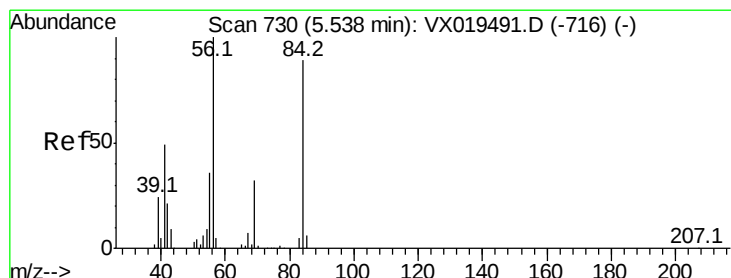
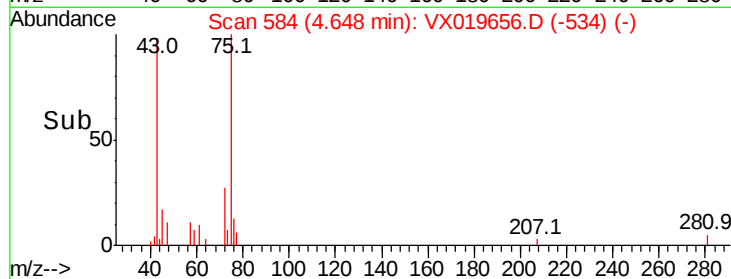
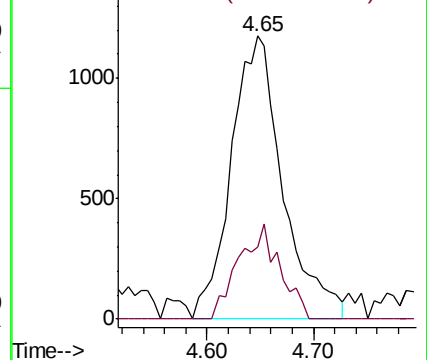
43 100

72 25.4 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: 1.194 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

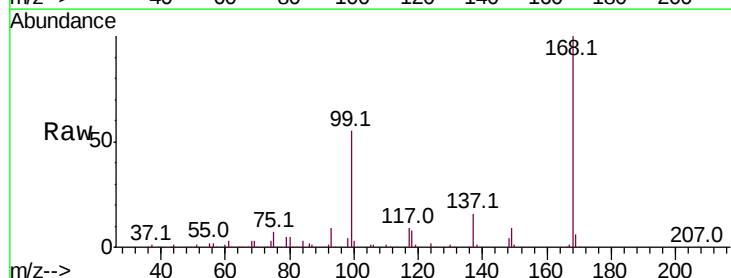
Tgt Ion: 56 Resp: 6158

Ion Ratio Lower Upper

56 100

69 160.2 25.5 38.3#

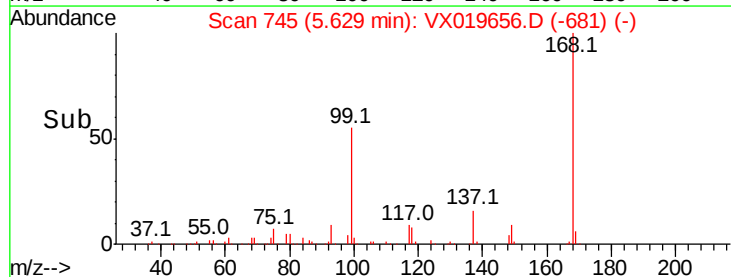
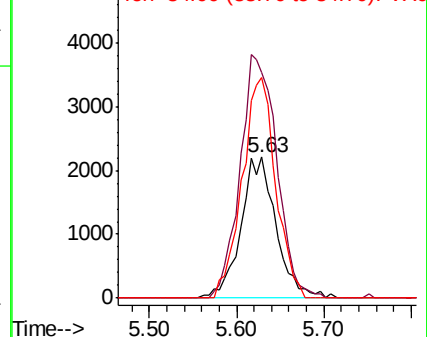
84 156.4 71.1 106.7#

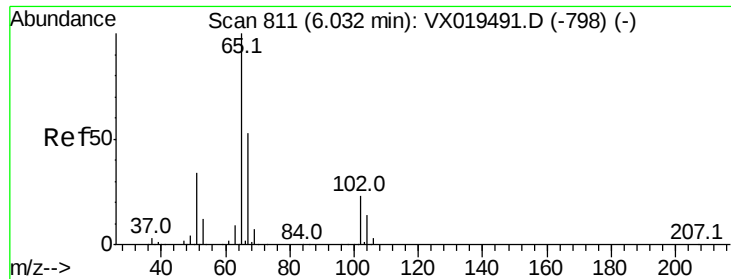


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

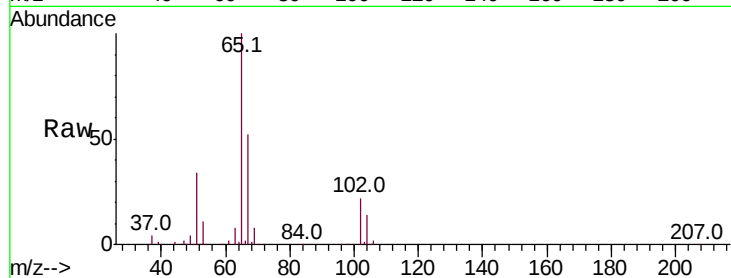




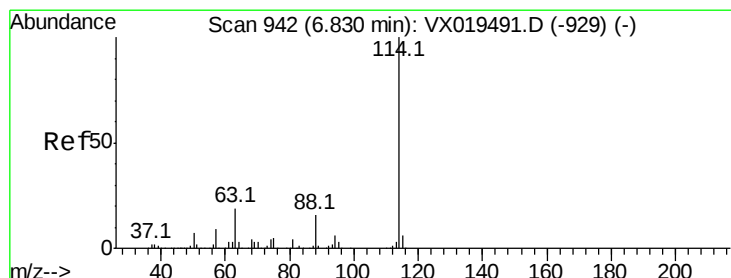
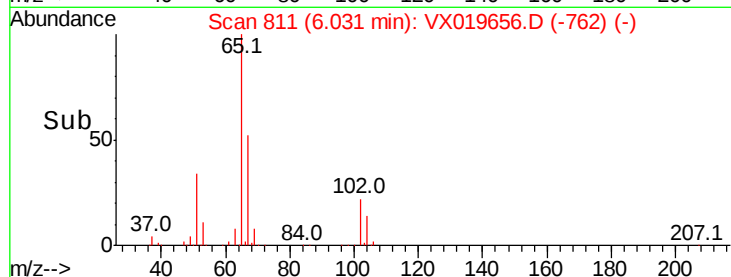
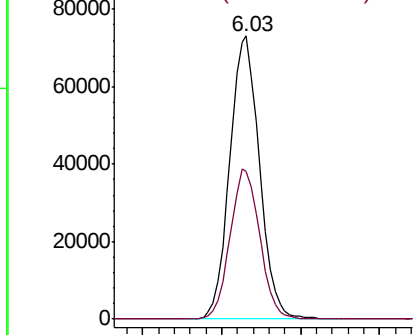
#33
 1,2-Dichloroethane-d4
 Concen: 48.390 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019656.D
 Acq: 25 Nov 2020 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 16858DL

Tot Ion: 65 Resp: 191824
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0

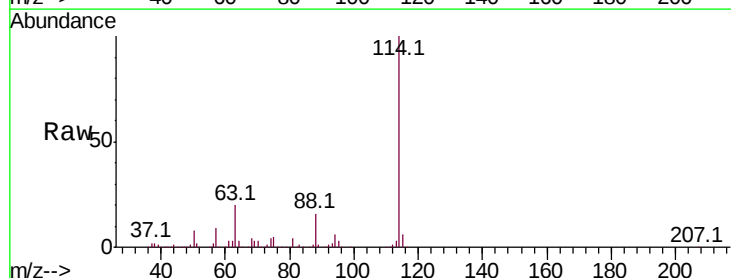


Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

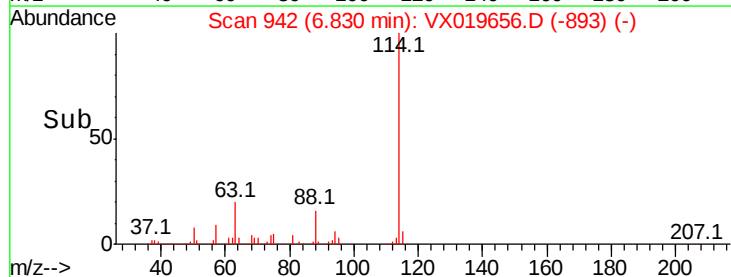
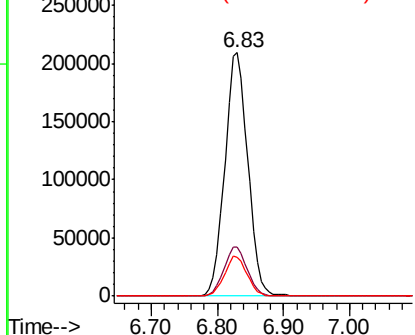


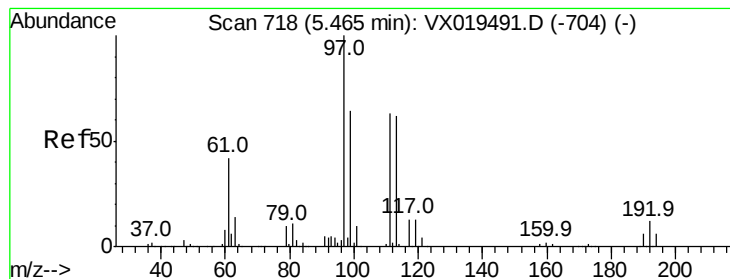
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019656.D
 Acq: 25 Nov 2020 15:08

Tgt Ion: 114 Resp: 504623
 Ion Ratio Lower Upper
 114 100
 63 20.2 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: 48.088 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

16858DL

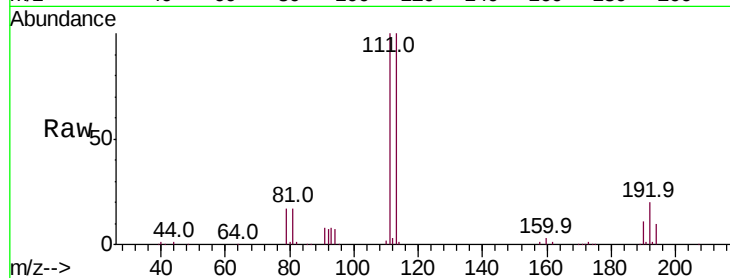
Tot Ion:113 Resp: 152319

Ion Ratio Lower Upper

113 100

111 100.7 81.5 122.3

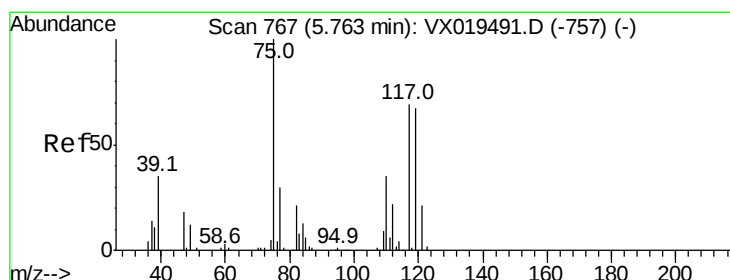
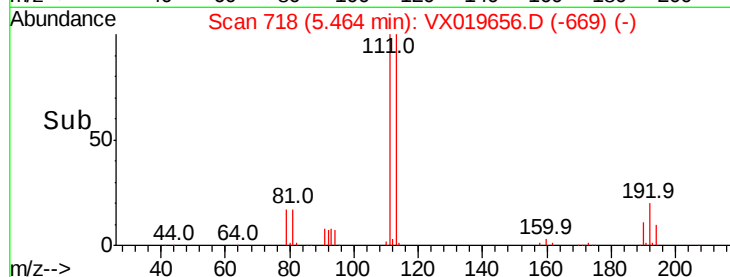
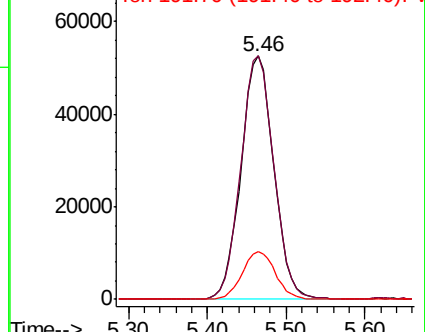
192 19.8 16.2 24.2



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: 4.861 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

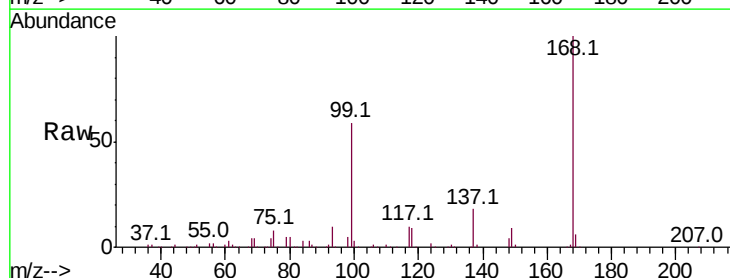
Tgt Ion: 75 Resp: 22995

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

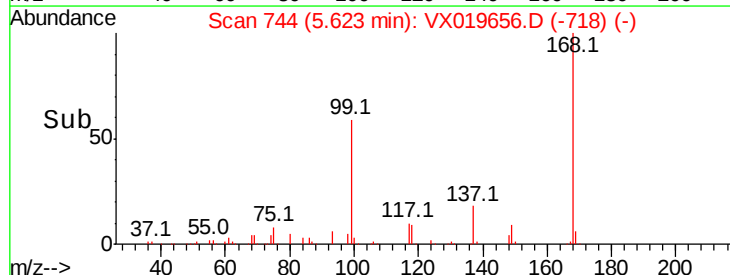
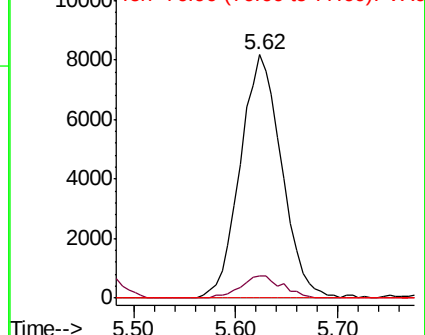
77 0.0 24.2 36.4#

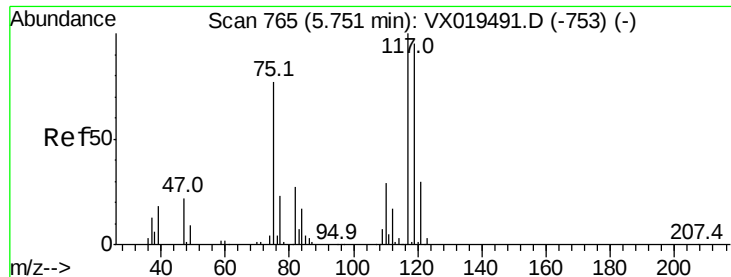


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.462 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

16858DL

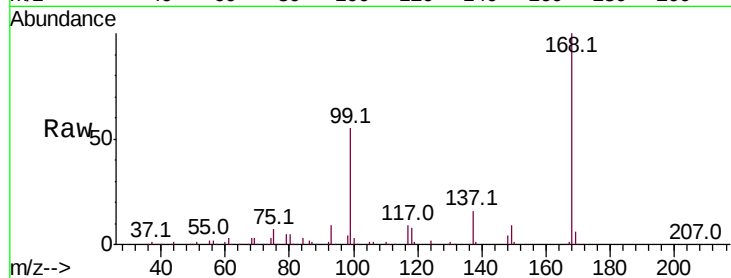
Tot Ion:117 Resp: 29590

Ion Ratio Lower Upper

117 100

119 5.4 75.9 113.9#

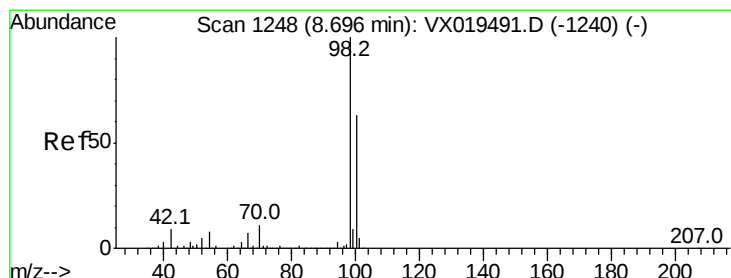
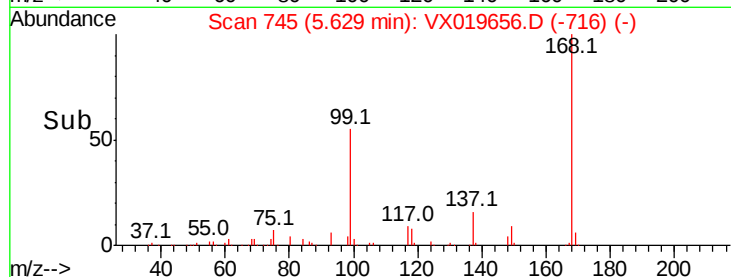
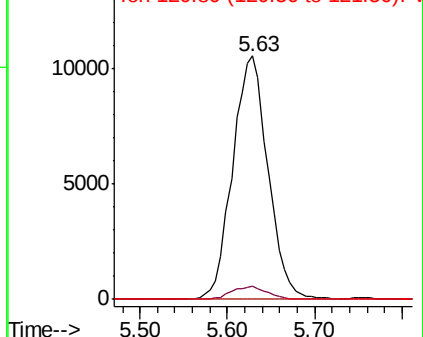
121 0.0 24.0 36.0#



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: 49.814 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019656.D

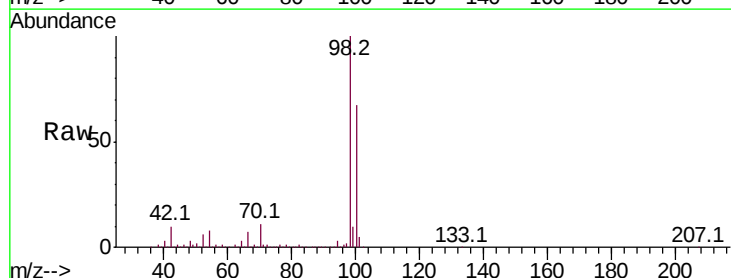
Acq: 25 Nov 2020 15:08

Tgt Ion: 98 Resp: 613142

Ion Ratio Lower Upper

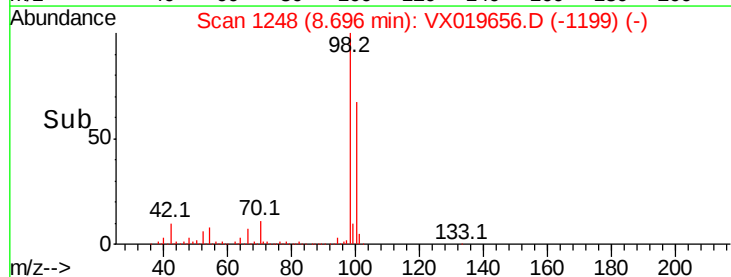
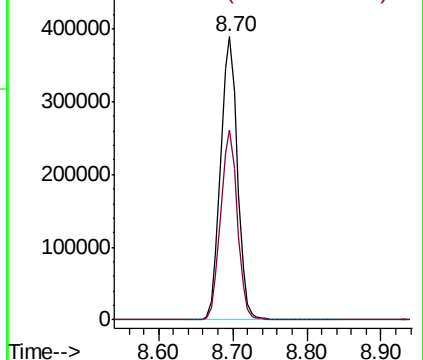
98 100

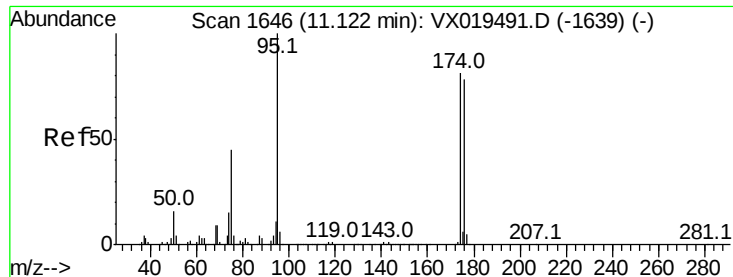
100 66.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

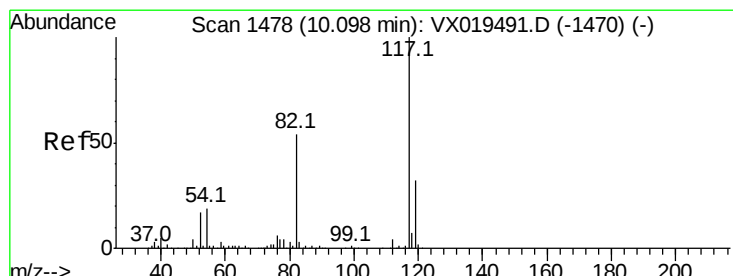
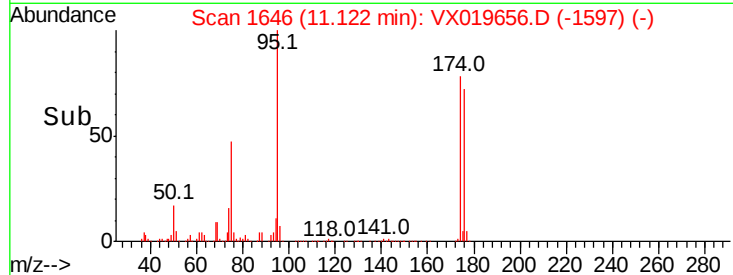
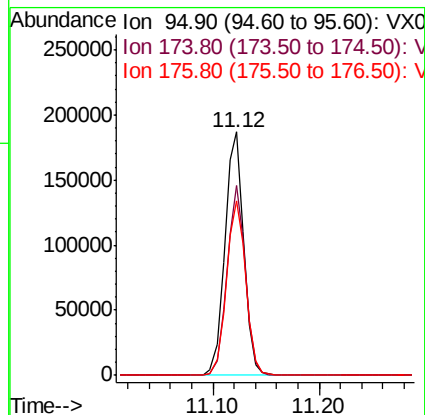
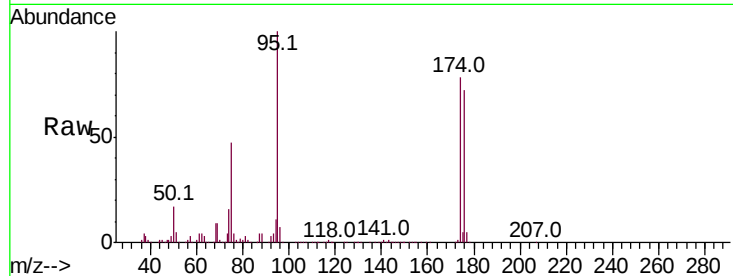




#62
4-Bromofluorobenzene
Concen: 52.230 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019656.D
Acq: 25 Nov 2020 15:08

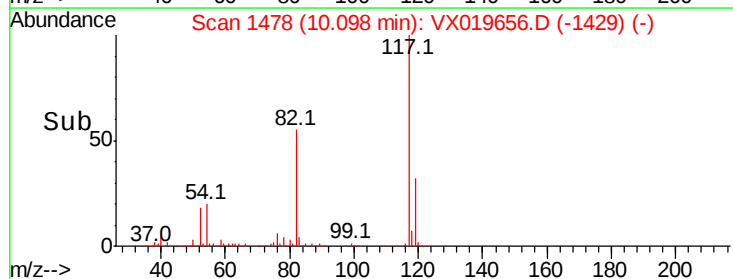
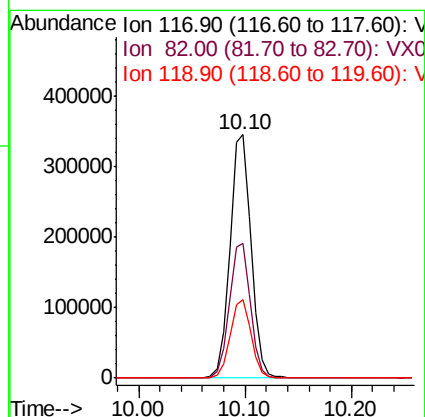
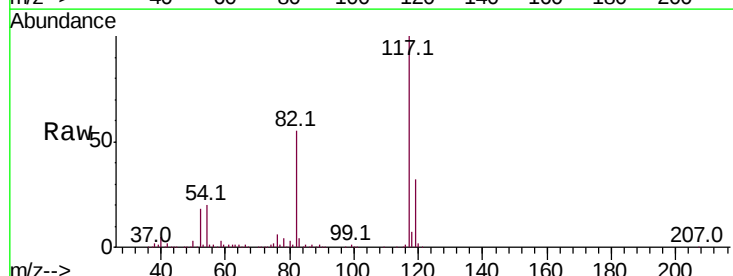
Instrument :
MSVOA_X
ClientSampleId :
16858DL

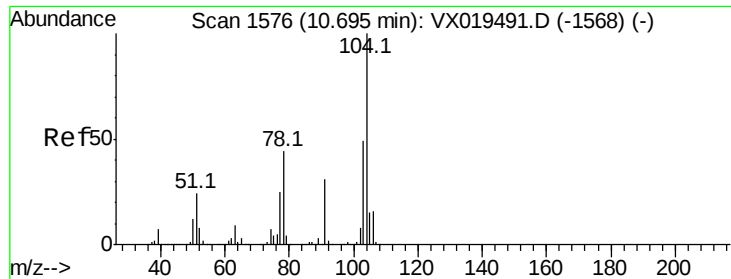
Tot Ion: 95 Resp: 231300
Ion Ratio Lower Upper
95 100
174 75.9 0.0 156.2
176 72.8 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019656.D
Acq: 25 Nov 2020 15:08

Tgt Ion: 117 Resp: 479160
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 32.3 25.6 38.4

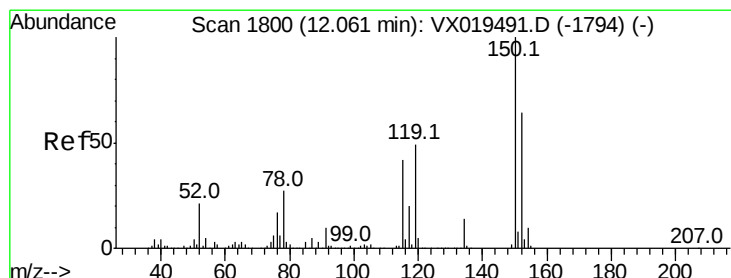
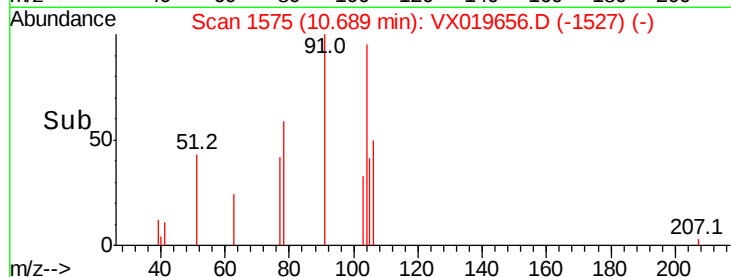
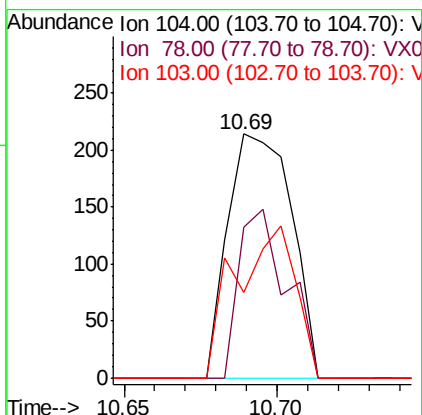
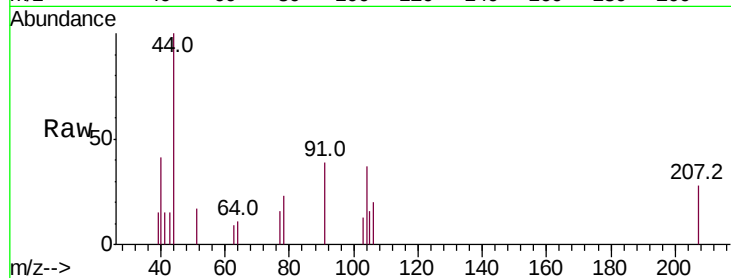




#70
 Stvrene
 Concen: 1.672 ug/l
 RT: 10.69 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VX019656.D
 Acq: 25 Nov 2020 15:08

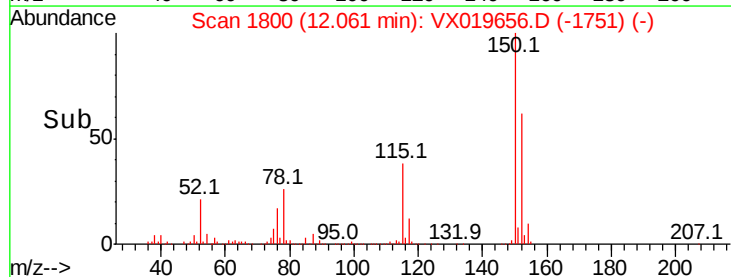
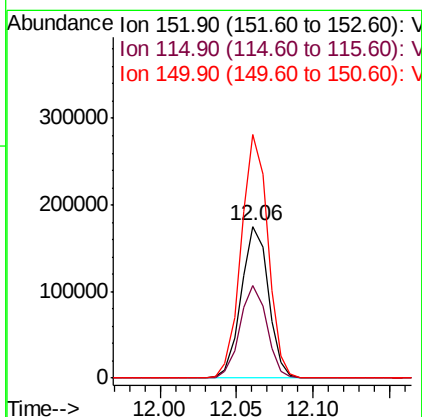
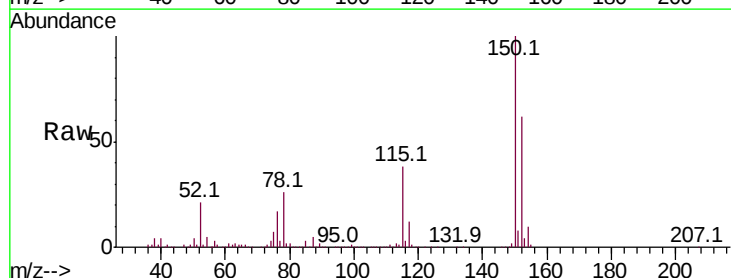
Instrument :
 MSVOA_X
 ClientSampleId :
 16858DL

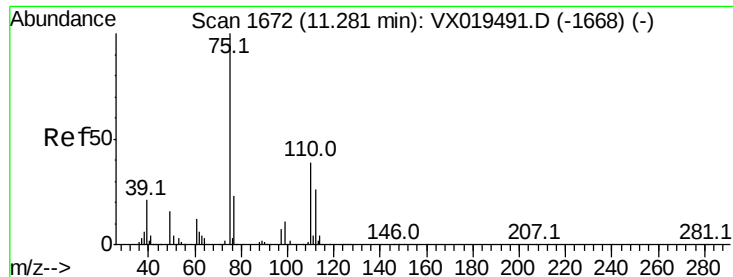
Tot Ion:104 Resp: 309
 Ion Ratio Lower Upper
 104 100
 78 51.8 39.5 59.3
 103 58.9 43.6 65.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VX019656.D
 Acq: 25 Nov 2020 15:08

Tgt Ion:152 Resp: 216174
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.8 125.4
 150 158.3 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 23.794 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

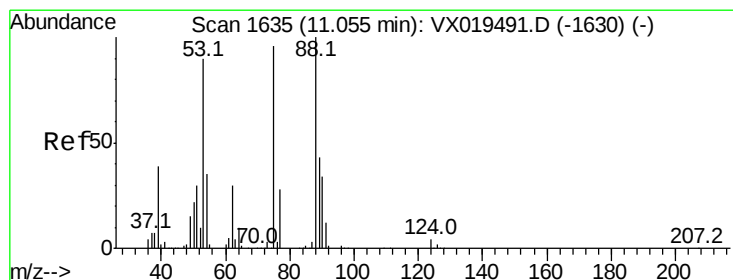
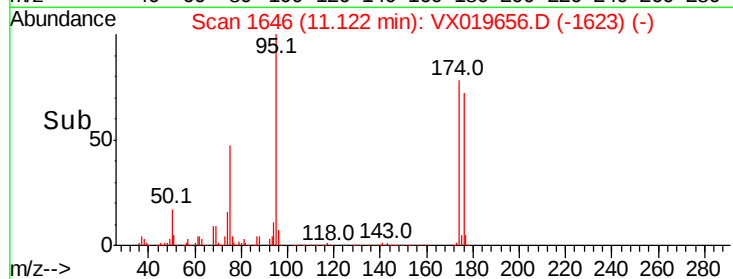
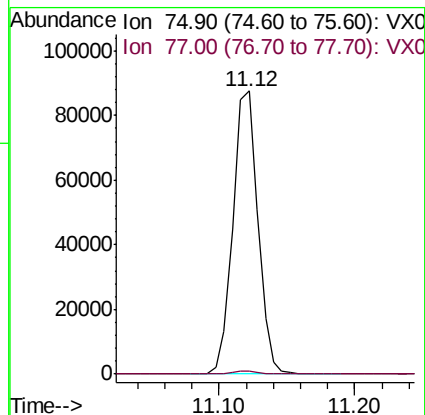
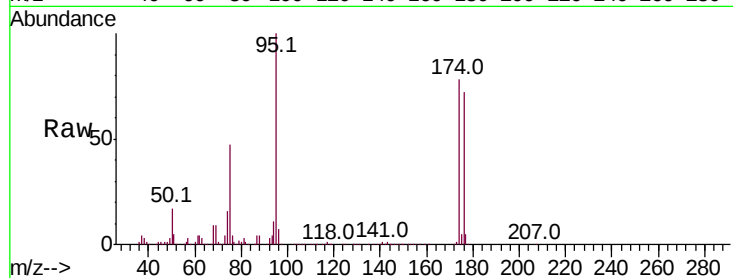
16858DL

Tot Ion: 75 Resp: 112251

Ion Ratio Lower Upper

75 100

77 1.2 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.058 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

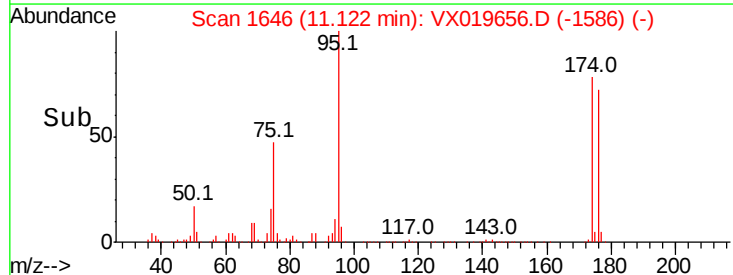
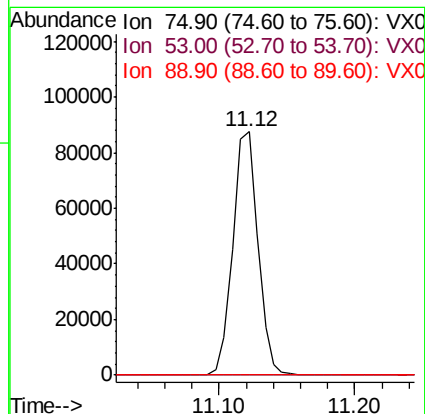
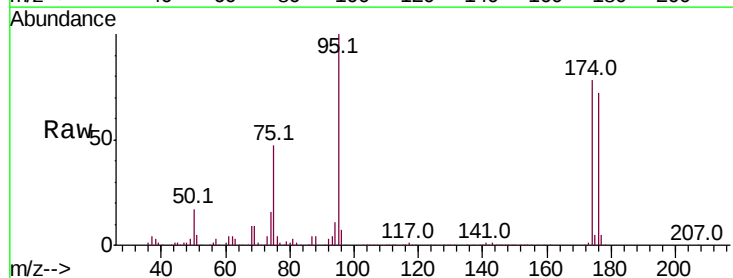
Tgt Ion: 75 Resp: 112251

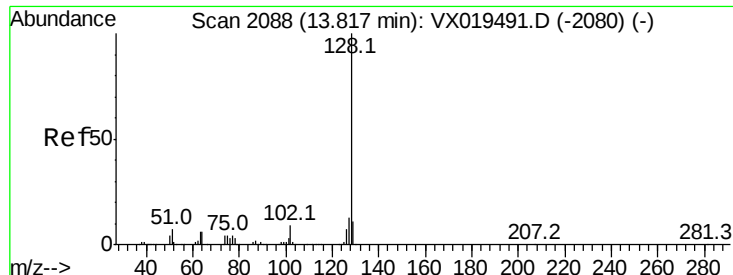
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.280 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019656.D

Acq: 25 Nov 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

16858DL

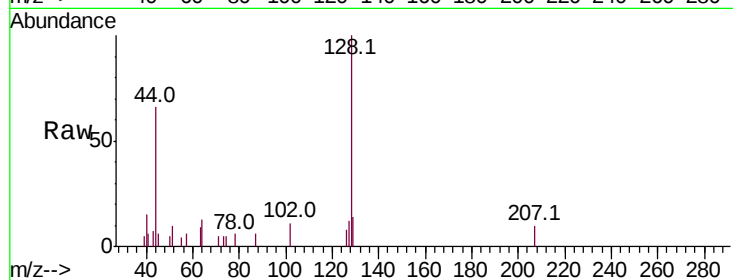
Tot Ion:128 Resp: 1703

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 8.8 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

