

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017635.D
 Acq On : 27 Jul 2020 22:21
 Operator : JC/SP
 Sample : L3421-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3D

Quant Time: Jul 28 01:38:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	490780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	767107	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	773499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	444800	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	314285	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	5.46	113	262747	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
50) Toluene-d8	8.70	98	898815	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.12	95	409269	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	

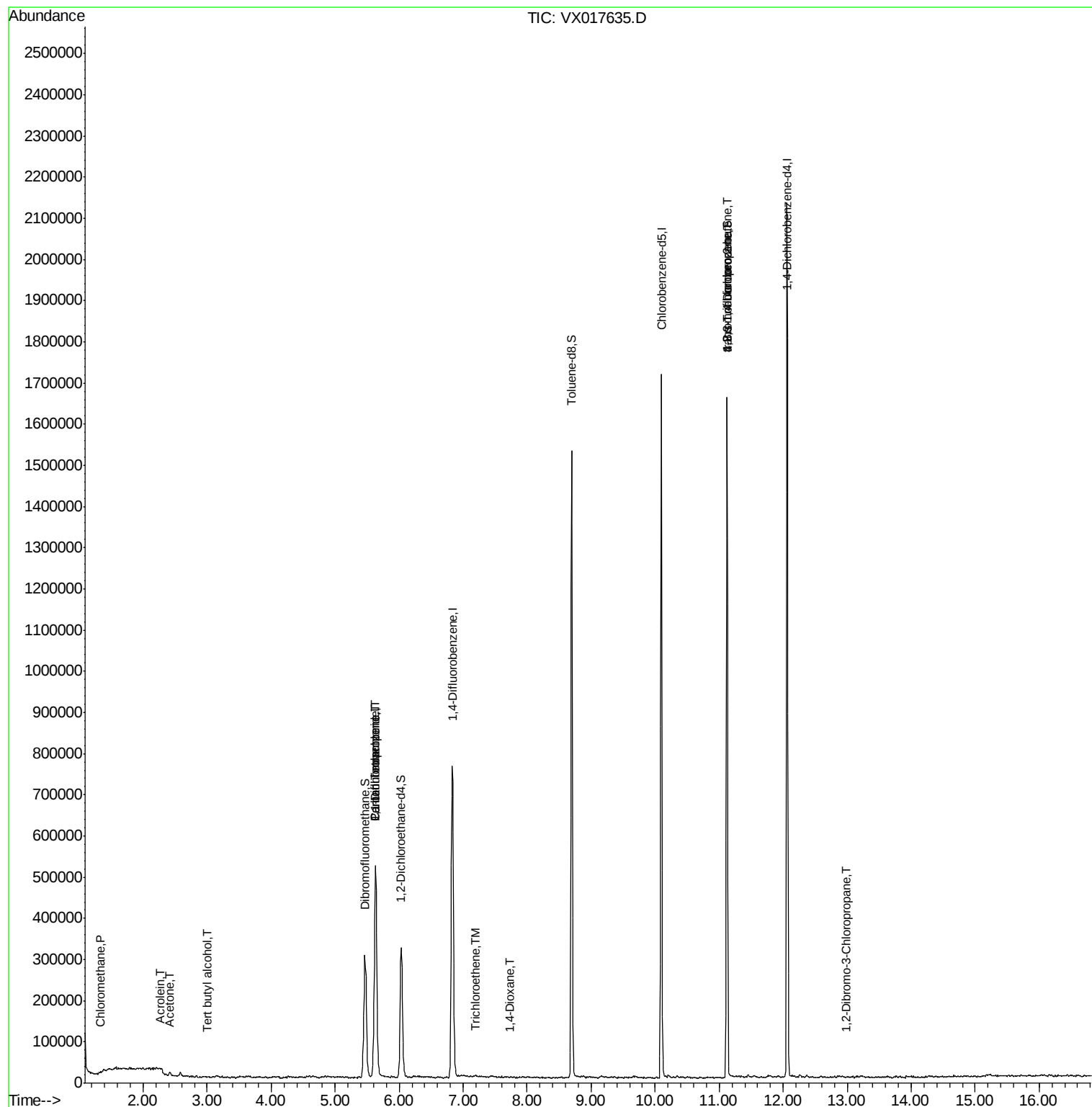
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	429	Below Cal	#	1
3) Chloromethane	1.32	50	1177	0.559	ug/l	100
5) Bromomethane	1.62	94	270	Below Cal	#	56
6) Chloroethane	1.71	64	203	Below Cal	#	65
8) Diethyl Ether	2.22	74	442	Below Cal		79
11) Tert butyl alcohol	3.00	59	570	0.429	ug/l #	58
13) Acrolein	2.26	56	309	4.448	ug/l #	14
16) Acetone	2.42	43	8966	3.231	ug/l	94
20) Methylene Chloride	2.83	84	1183	Below Cal	#	69
36) 1,1-Dichloropropene	5.63	75	37320	5.073	ug/l #	51
38) Carbon Tetrachloride	5.63	117	48717	5.453	ug/l #	17
44) Trichloroethene	7.18	130	1745	0.283	ug/l	40
49) 1,4-Dioxane	7.73	88	264	2.091	ug/l #	73
76) 1,2,3-Trichloropropane	11.12	75	210207	22.974	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	210207	57.890	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	267	2.671	ug/l #	16

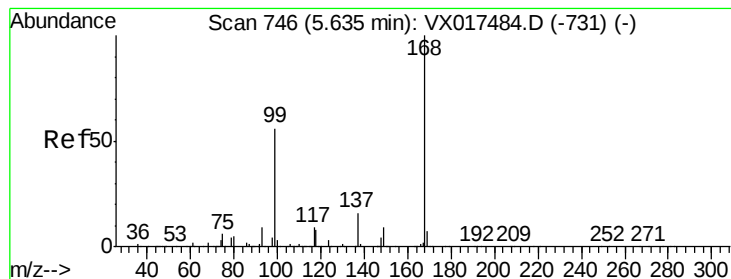
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 28 01:38:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

Instrument :

MSVOA_X

ClientSampleId :

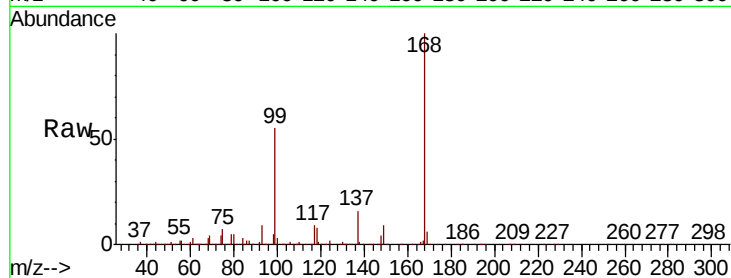
SY-3D

Tot Ion:168 Resp: 490780

Ion Ratio Lower Upper

168 100

99 54.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

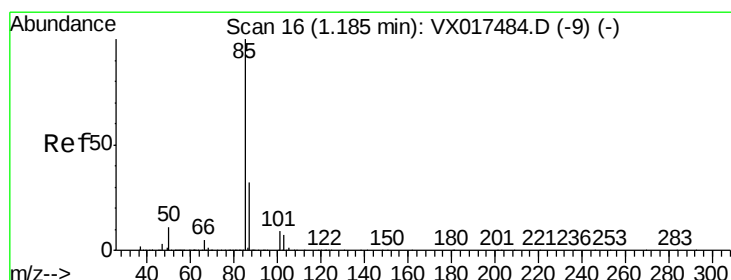
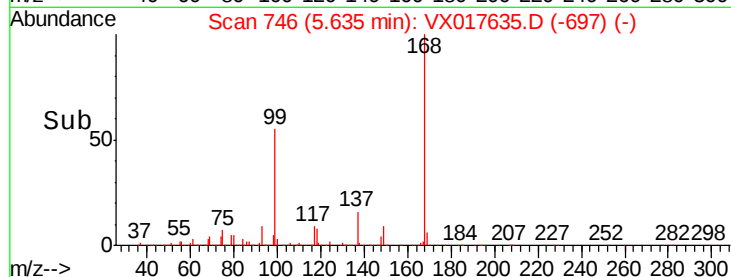
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017635.D

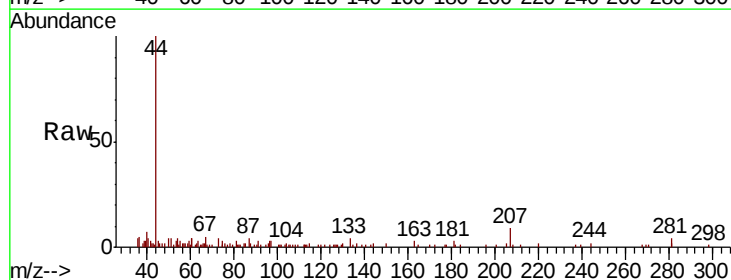
Acq: 27 Jul 2020 22:21

Tgt Ion: 85 Resp: 429

Ion Ratio Lower Upper

85 100

87 135.5 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500

400

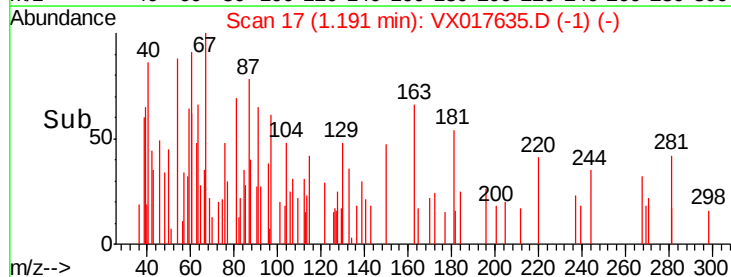
300

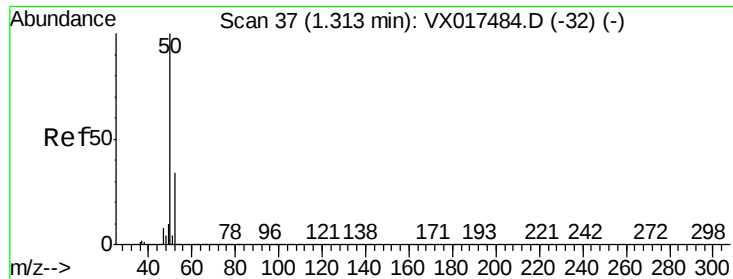
200

100

0

Time-->

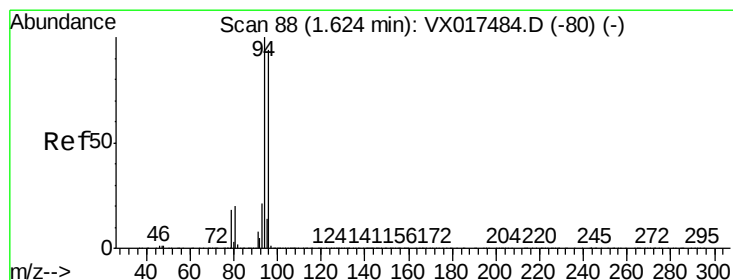
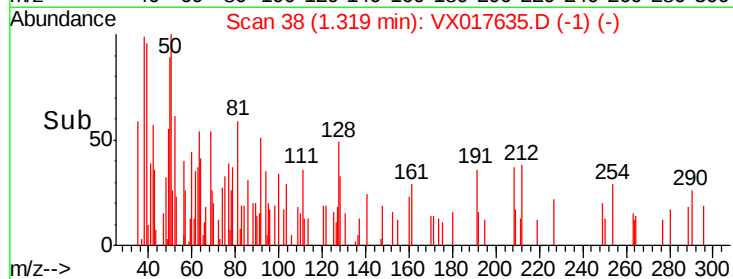
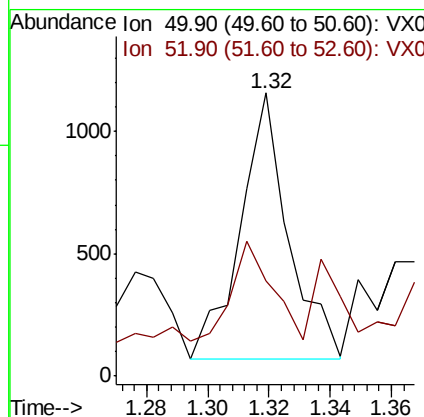
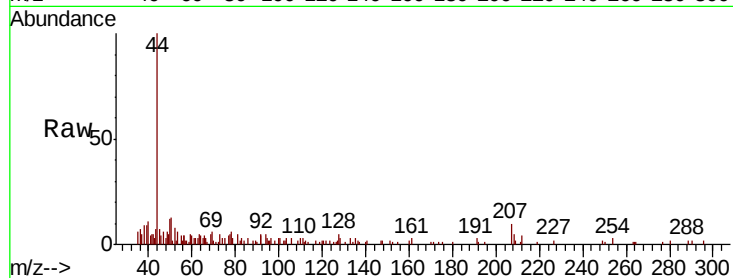




#3
Chloromethane
Concen: 0.559 ug/l
RT: 1.32 min Scan# 38
Delta R.T. 0.01 min
Lab File: VX017635.D
Acq: 27 Jul 2020 22:21

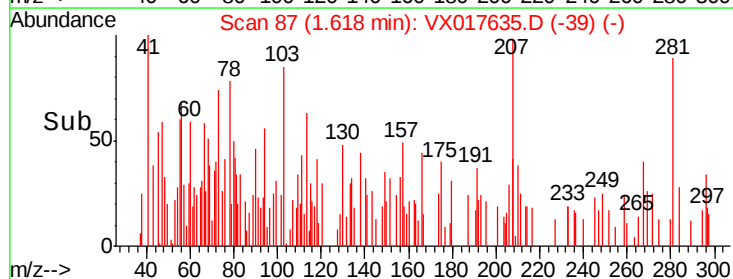
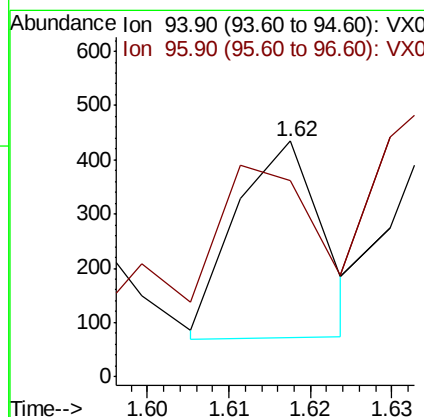
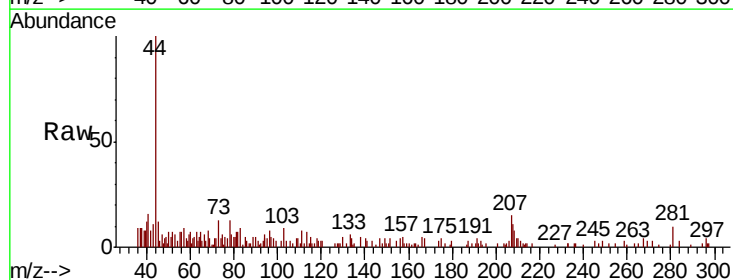
Instrument :
MSVOA_X
ClientSampleId :
SY-3D

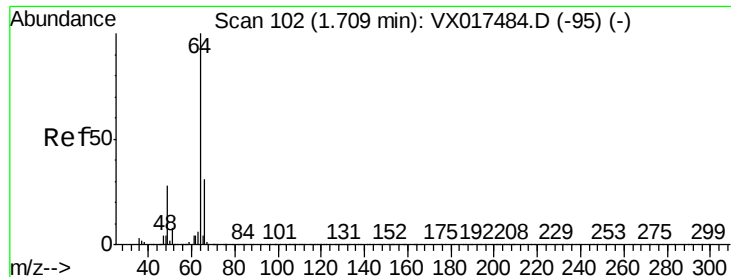
Tot Ion: 50 Resp: 1177
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9



#5
Bromomethane
Concen: Below Cal
RT: 1.62 min Scan# 87
Delta R.T. -0.01 min
Lab File: VX017635.D
Acq: 27 Jul 2020 22:21

Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 50.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

Instrument :

MSVOA_X

ClientSampleId :

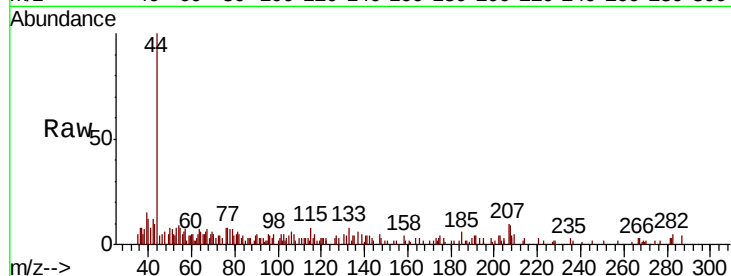
SY-3D

Tot Ion: 64 Resp: 203

Ion Ratio Lower Upper

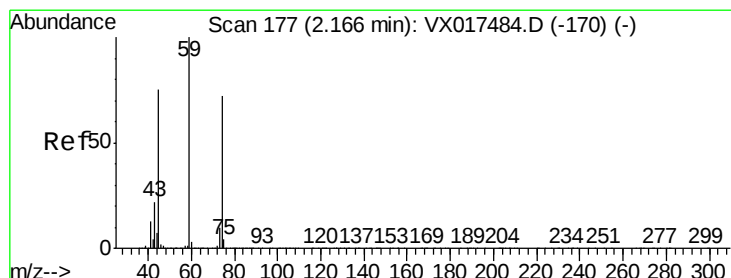
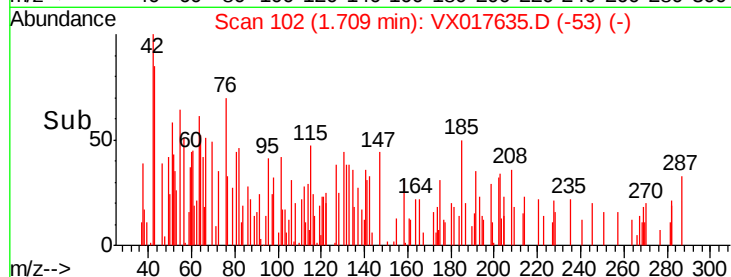
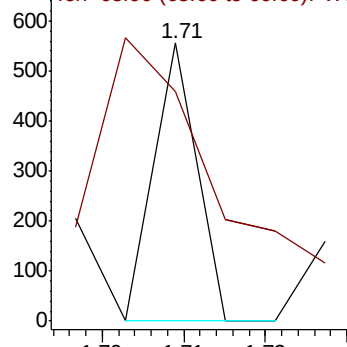
64 100

66 50.3 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.22 min Scan# 186

Delta R.T. 0.06 min

Lab File: VX017635.D

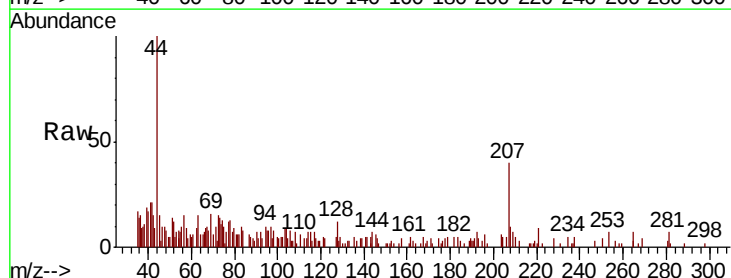
Acq: 27 Jul 2020 22:21

Tgt Ion: 74 Resp: 442

Ion Ratio Lower Upper

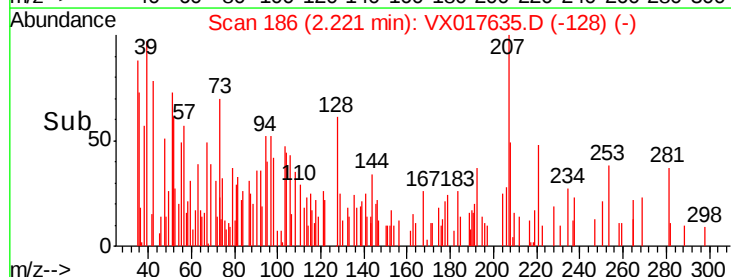
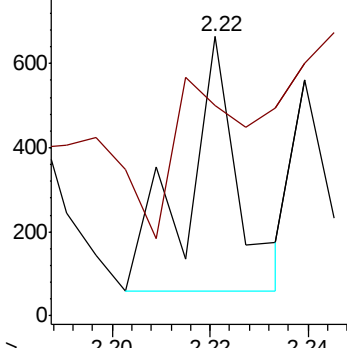
74 100

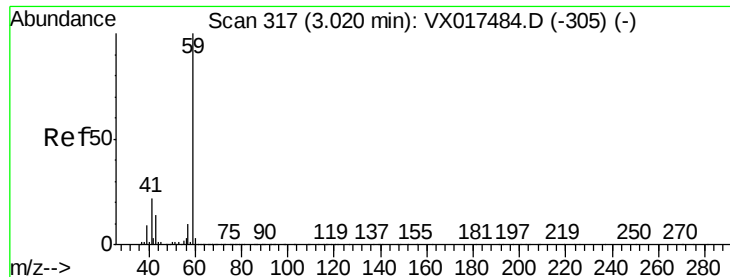
45 80.1 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



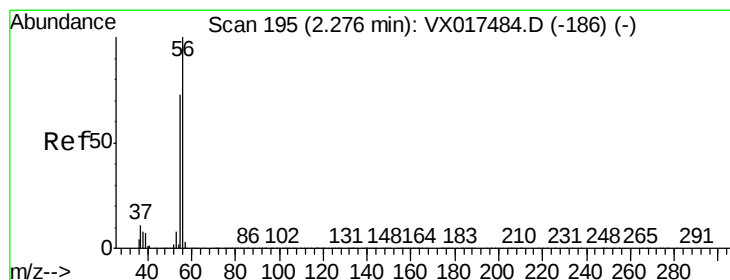
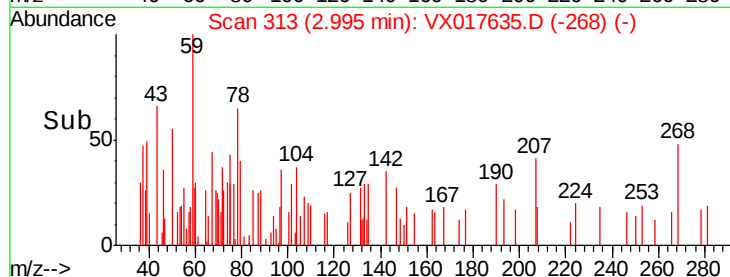
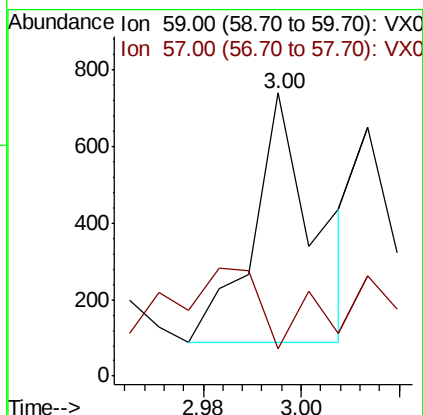
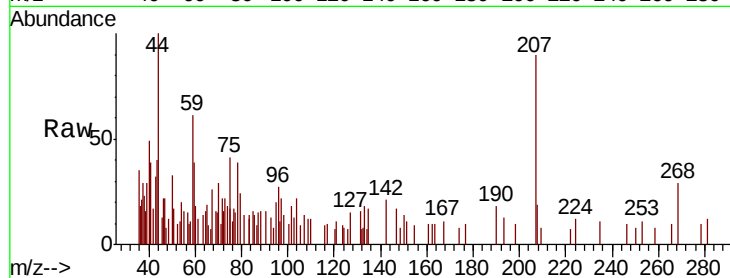


#11

Tert butyl alcohol
Concen: 0.429 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017635.D
Acq: 27 Jul 2020 22:21

Instrument :
MSVOA_X
ClientSampled :
SY-3D

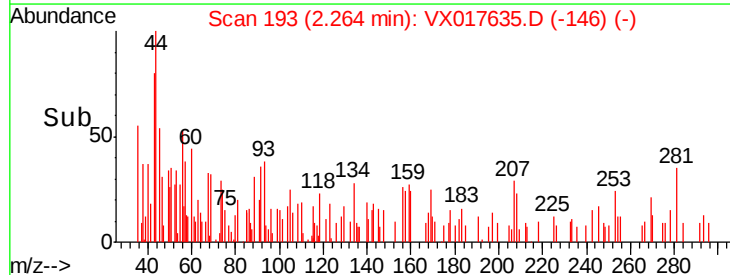
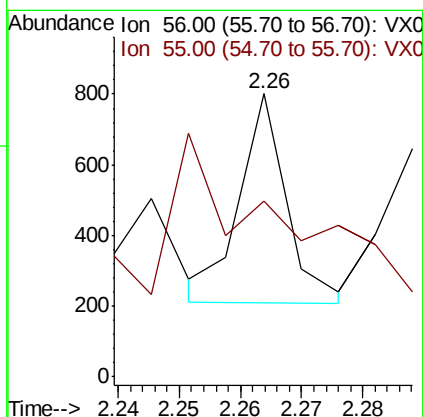
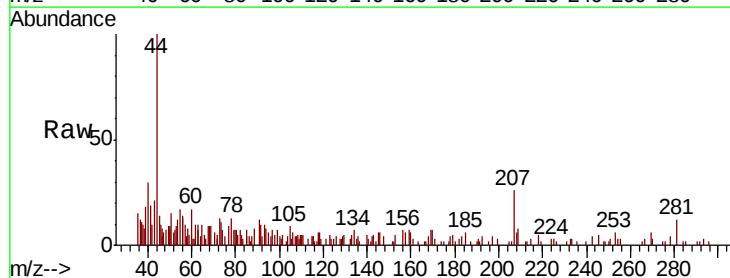
Tot Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 26.5 8.6 12.8#

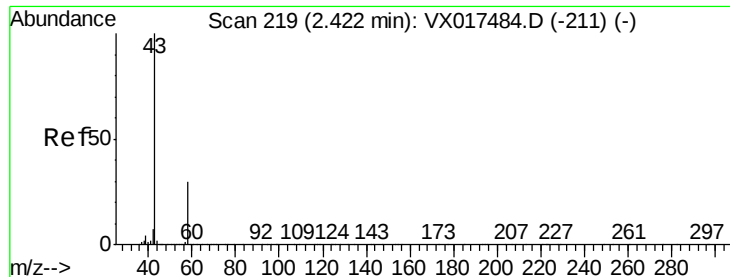


#13

Acrolein
Concen: 4.448 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017635.D
Acq: 27 Jul 2020 22:21

Tgt Ion: 56 Resp: 309
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#

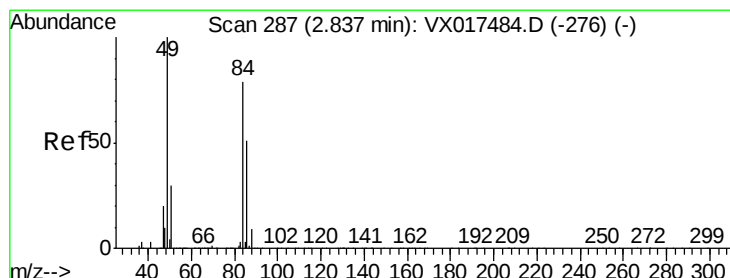
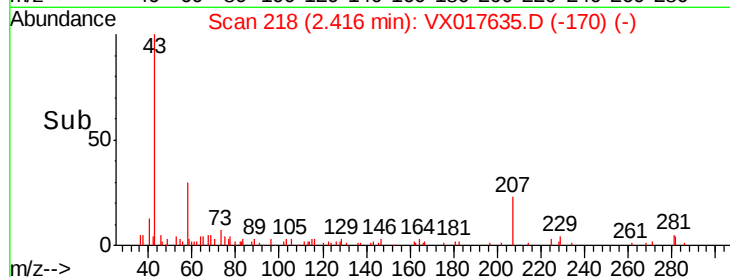
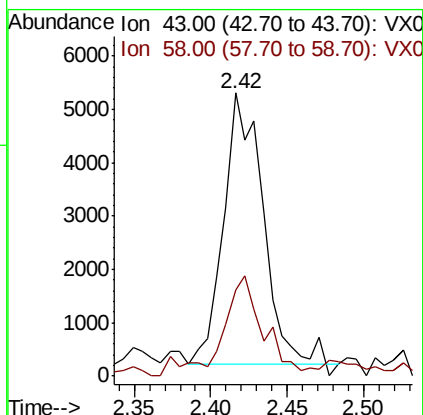
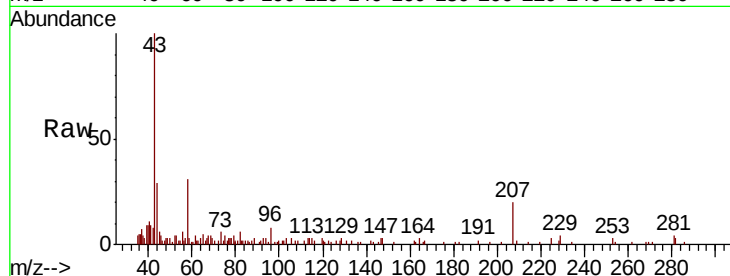




#16
Acetone
Concen: 3.231 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017635.D
Acq: 27 Jul 2020 22:21

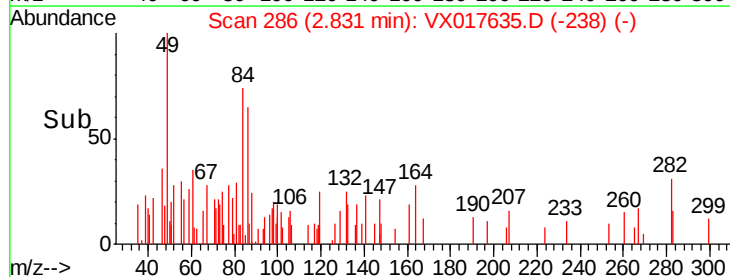
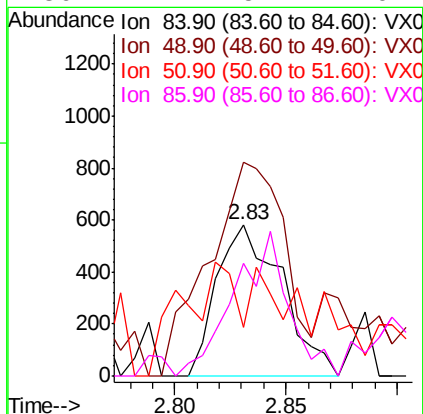
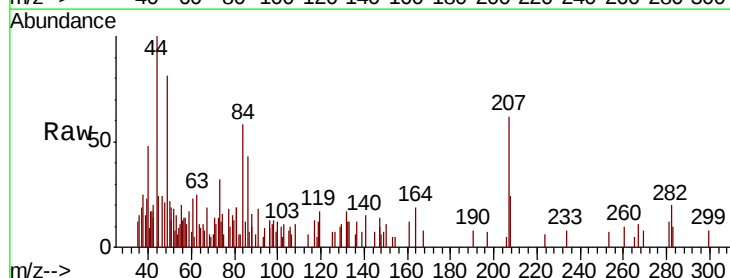
Instrument :
MSVOA_X
ClientSampleId :
SY-3D

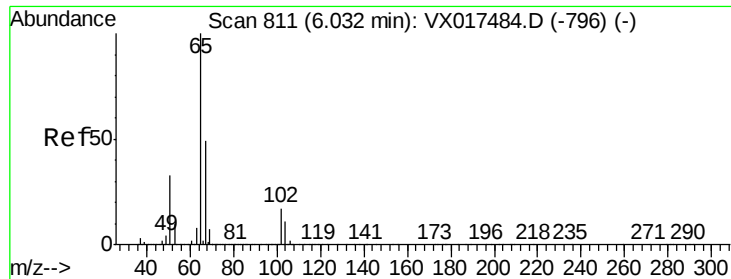
Tot Ion: 43 Resp: 8966
Ion Ratio Lower Upper
43 100
58 27.3 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017635.D
Acq: 27 Jul 2020 22:21

Tgt Ion: 84 Resp: 1183
Ion Ratio Lower Upper
84 100
49 89.7 100.3 150.5#
51 2.1 30.5 45.7#
86 74.4 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 49.853 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

Instrument :

MSVOA_X

ClientSampled :

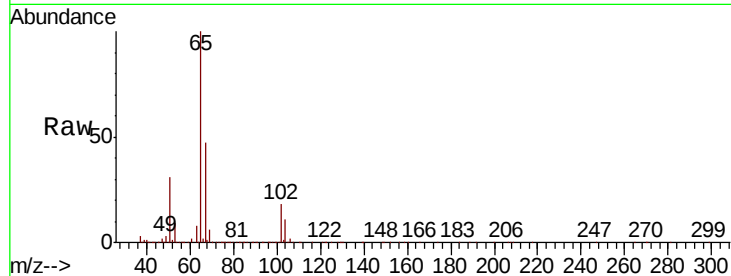
SY-3D

Tot Ion: 65 Resp: 314285

Ion Ratio Lower Upper

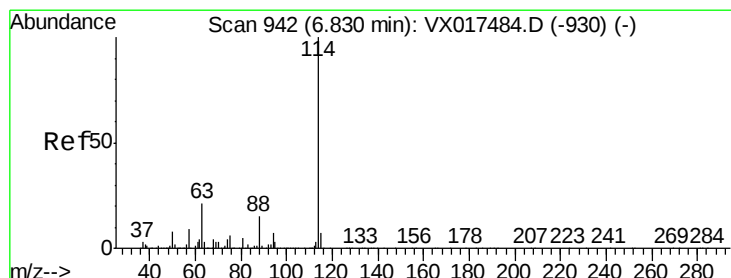
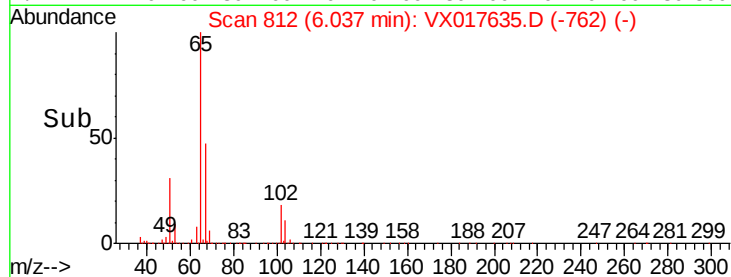
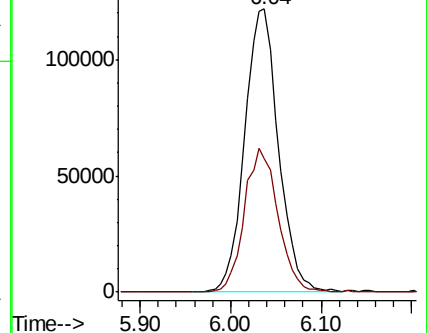
65 100

67 50.6 0.0 102.8



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: VX017635.D

Acq: 27 Jul 2020 22:21

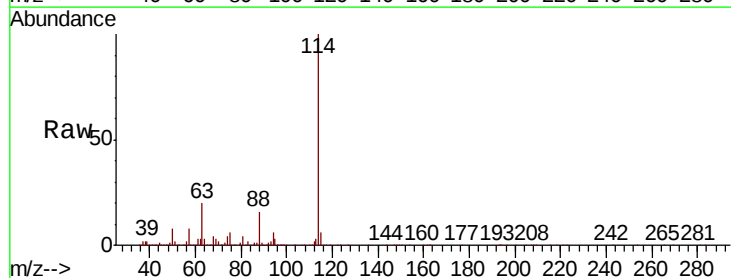
Tgt Ion: 114 Resp: 767107

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.6

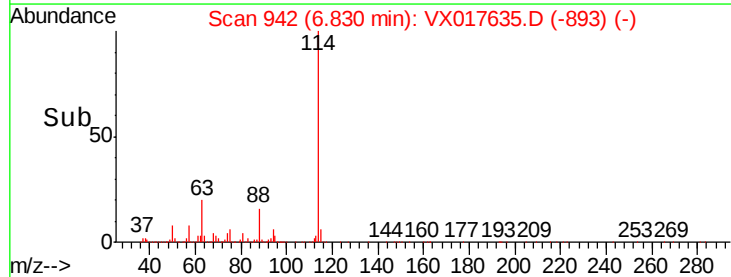
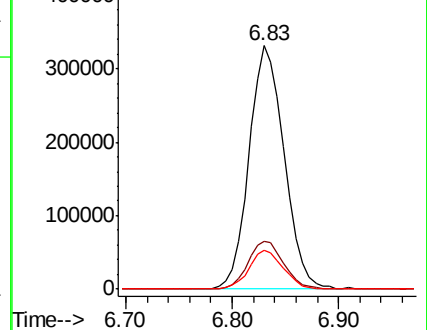
88 15.8 0.0 33.4

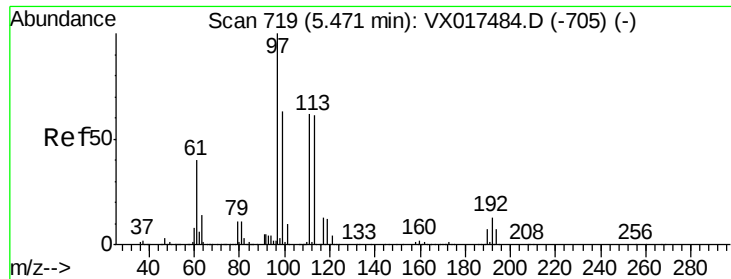


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

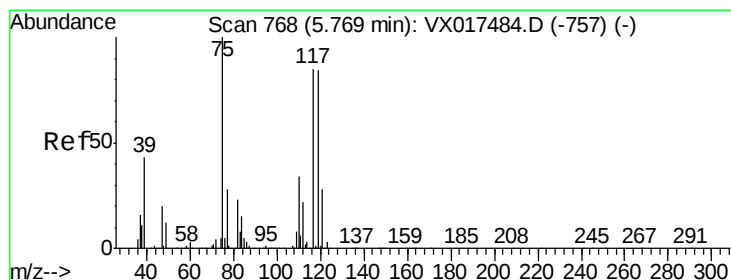
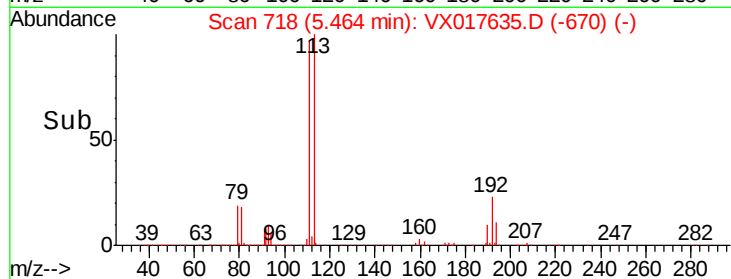
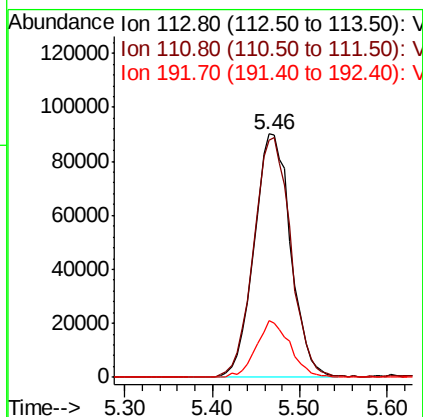
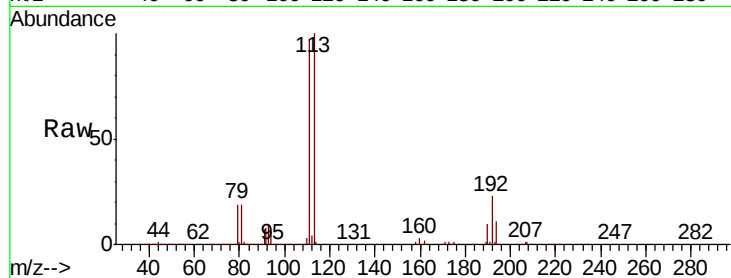




#35
 Dibromofluoromethane
 Concen: 51.213 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017635.D
 Acq: 27 Jul 2020 22:21

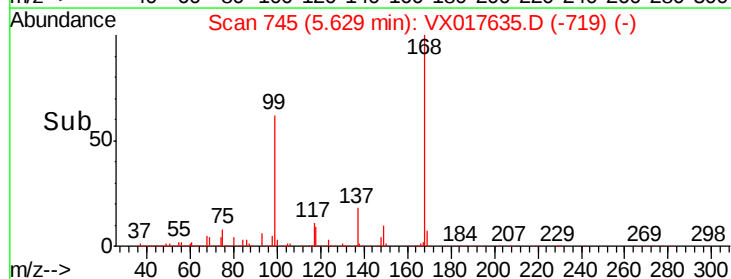
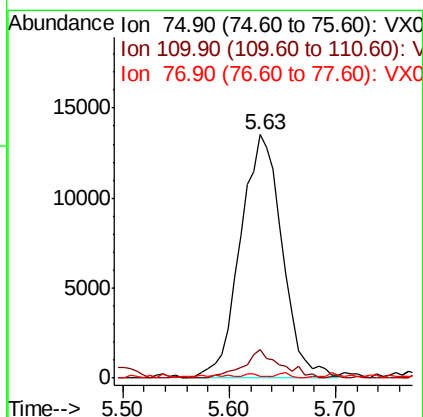
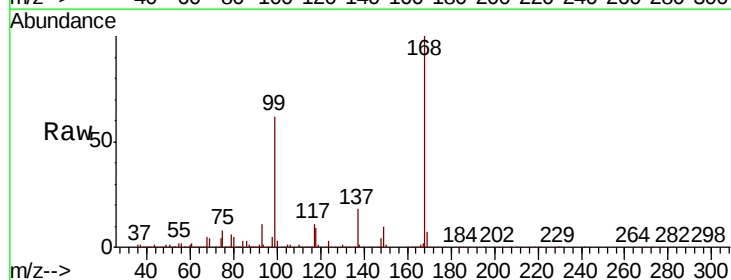
Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3D

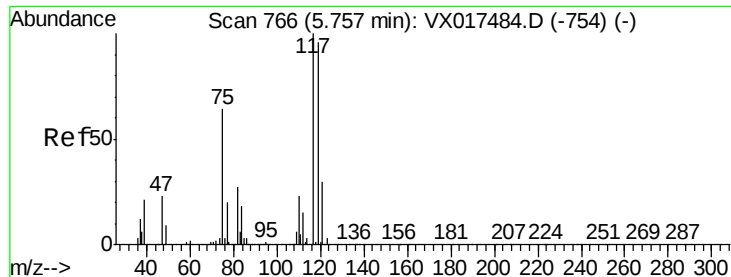
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	80.7	121.1
192	21.7	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017635.D
 Acq: 27 Jul 2020 22:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.1	54.3#
77	0.8	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.453 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

Instrument :

MSVOA_X

ClientSampleId :

SY-3D

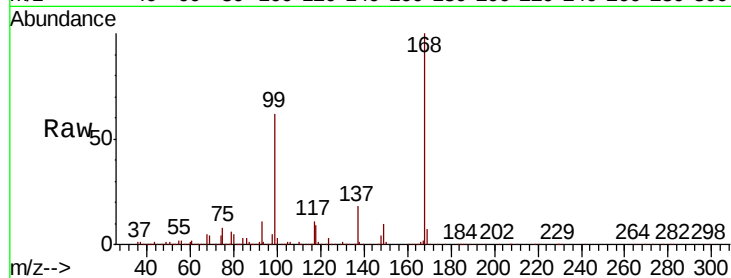
Tot Ion:117 Resp: 48717

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.0#

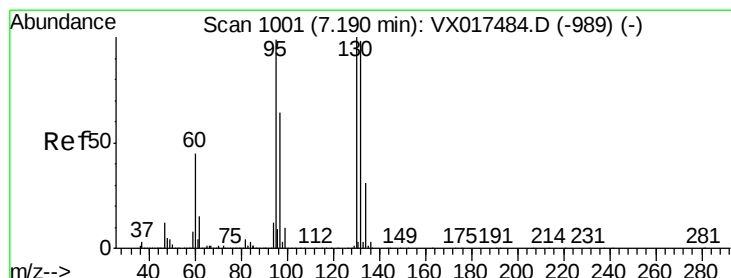
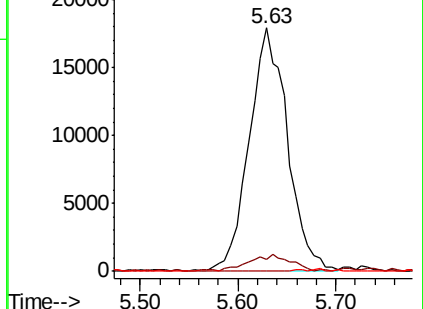
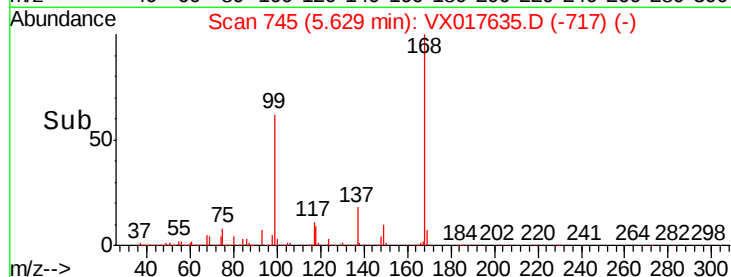
121 0.0 24.3 36.5#



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



#44

Trichloroethene

Concen: 0.283 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017635.D

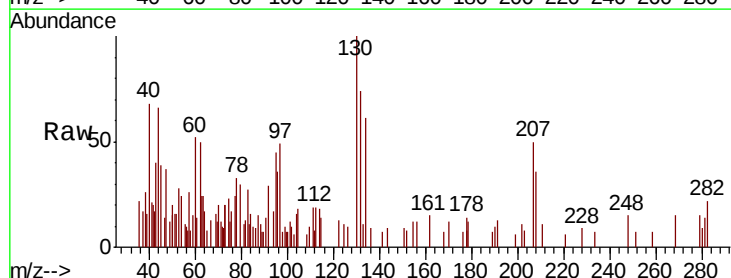
Acq: 27 Jul 2020 22:21

Tgt Ion:130 Resp: 1745

Ion Ratio Lower Upper

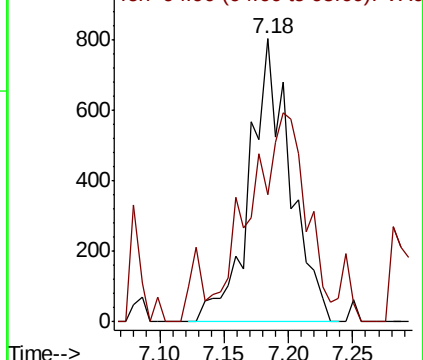
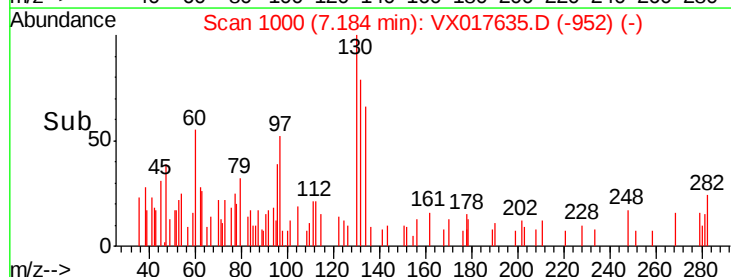
130 100

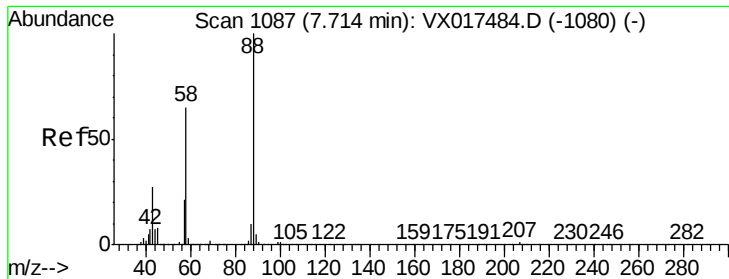
95 36.4 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.091 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

Instrument :

MSVOA_X

ClientSampled :

SY-3D

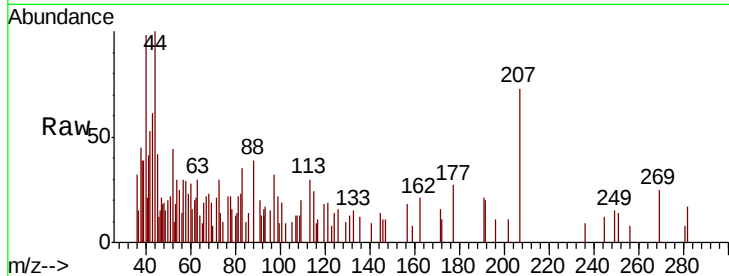
Tot Ion: 88 Resp: 264

Ion Ratio Lower Upper

88 100

43 83.0 27.8 41.6#

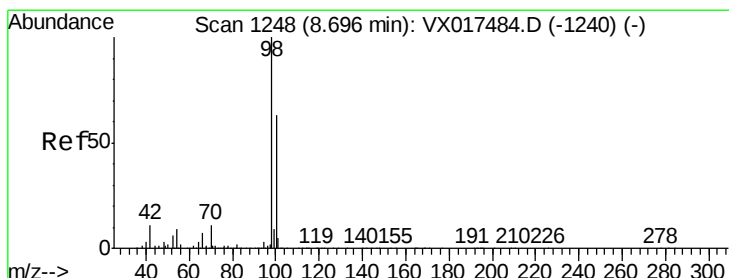
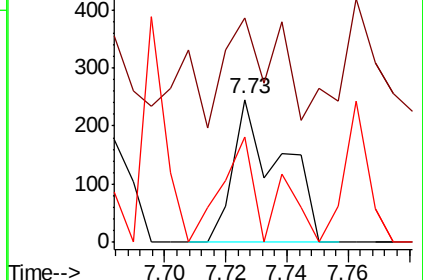
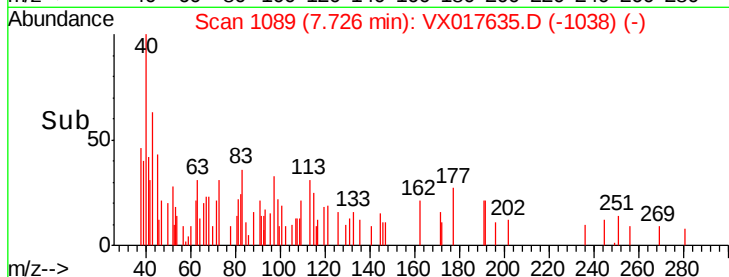
58 72.7 58.3 87.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.564 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017635.D

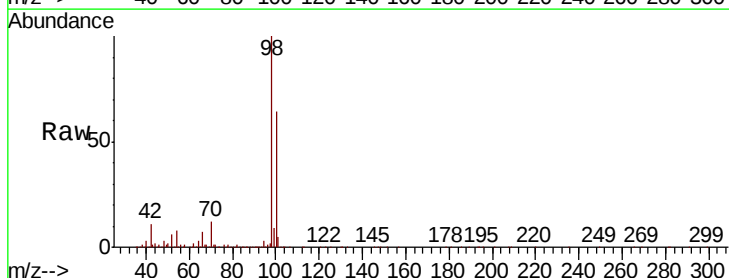
Acq: 27 Jul 2020 22:21

Tgt Ion: 98 Resp: 898815

Ion Ratio Lower Upper

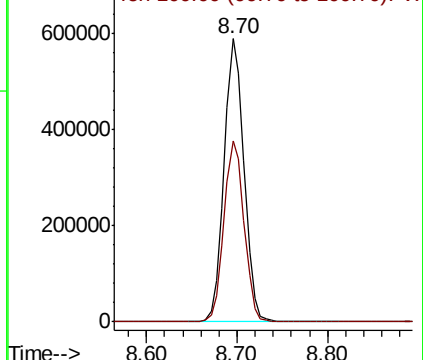
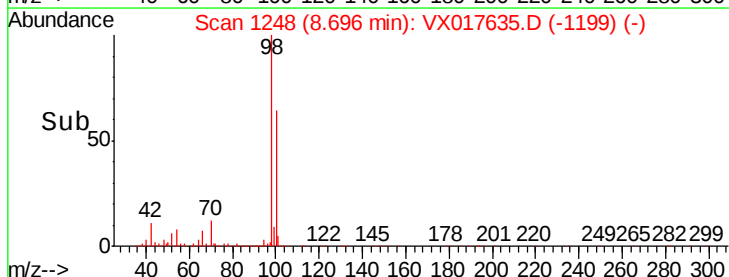
98 100

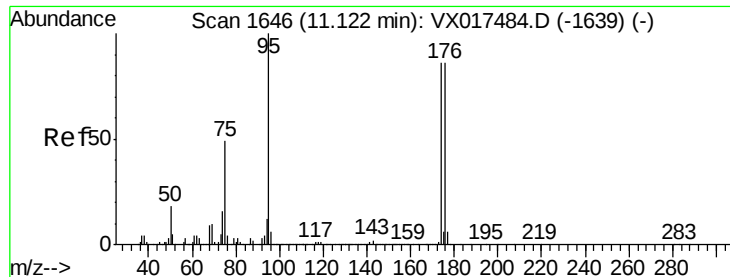
100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.255 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

Instrument :

MSVOA_X

ClientSampleId :

SY-3D

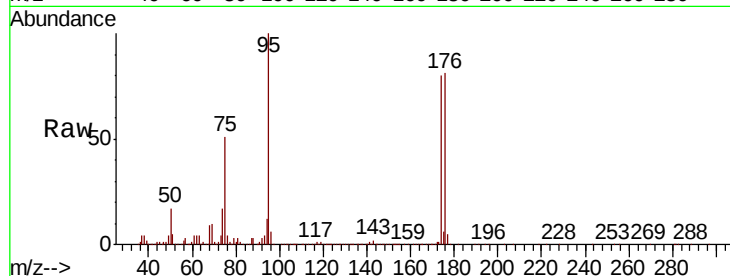
Tot Ion: 95 Resp: 409269

Ion Ratio Lower Upper

95 100

174 84.4 0.0 169.0

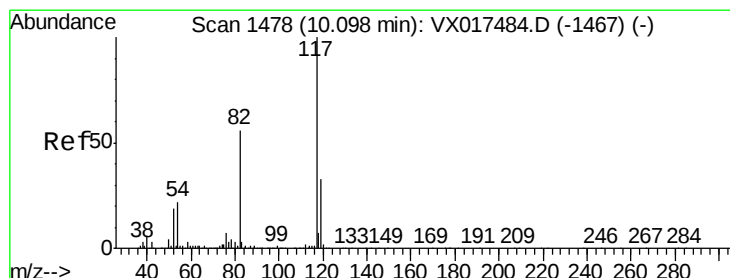
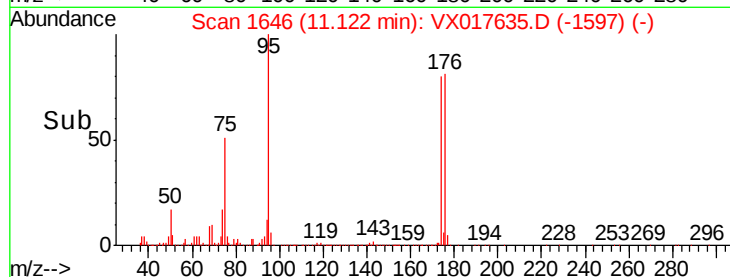
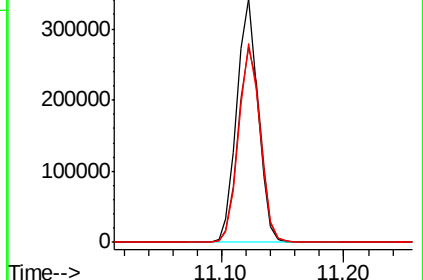
176 81.6 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017635.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017635.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017635.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

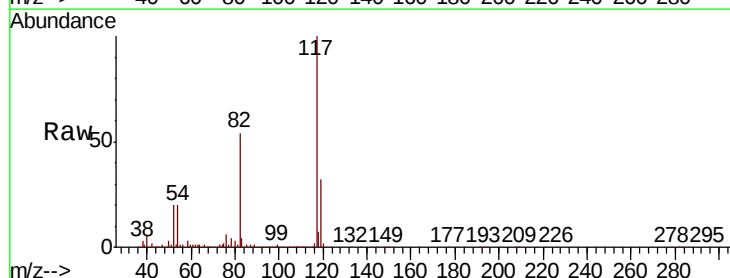
Tgt Ion: 117 Resp: 773499

Ion Ratio Lower Upper

117 100

82 53.9 44.0 66.0

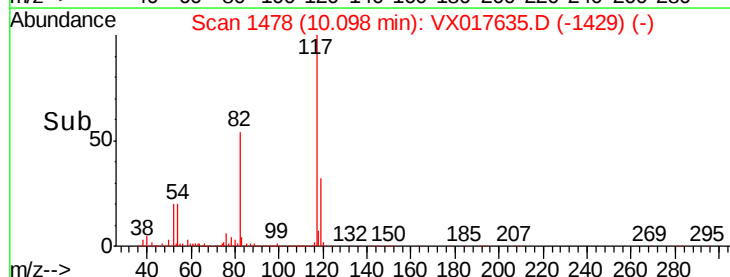
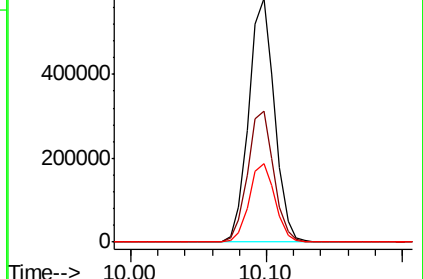
119 32.0 25.4 38.0

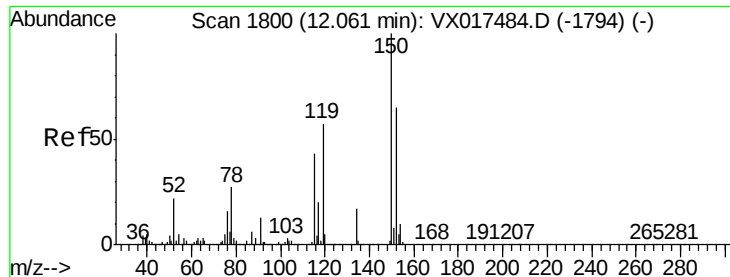


Abundance Ion 116.90 (116.60 to 117.60): VX017635.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017635.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017635.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

Instrument :

MSVOA_X

ClientSampleId :

SY-3D

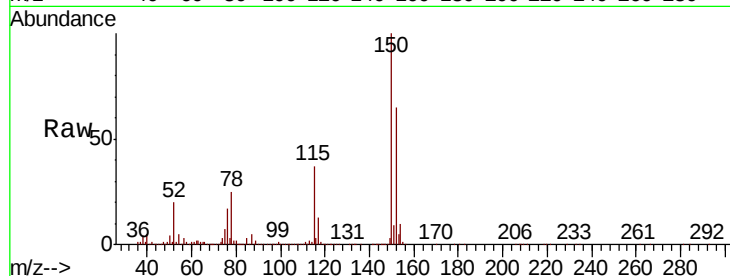
Tot Ion:152 Resp: 444800

Ion Ratio Lower Upper

152 100

115 56.1 65.5 196.6#

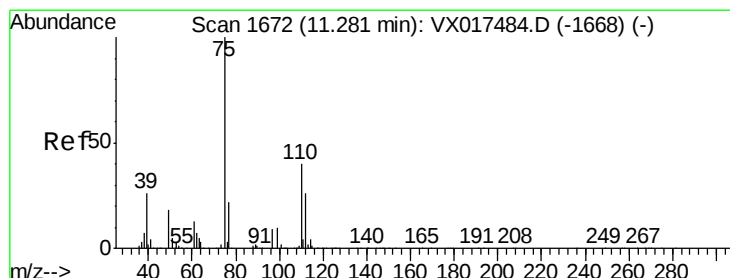
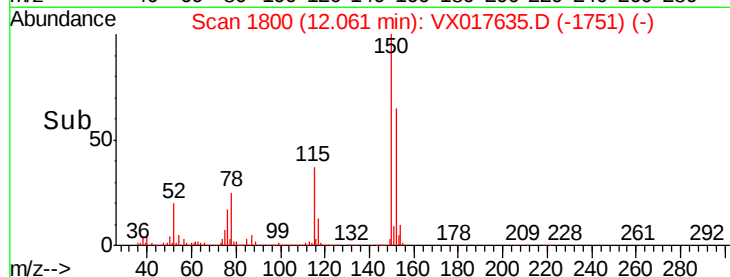
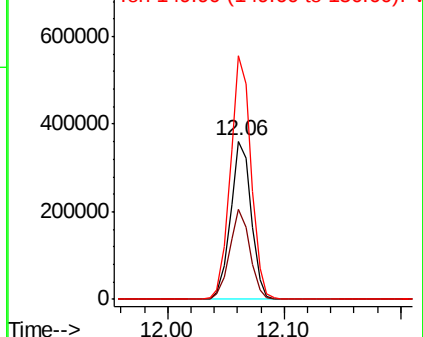
150 154.1 0.0 412.6



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: 22.974 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017635.D

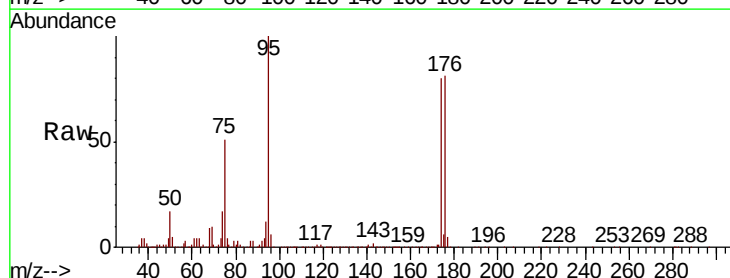
Acq: 27 Jul 2020 22:21

Tgt Ion: 75 Resp: 210207

Ion Ratio Lower Upper

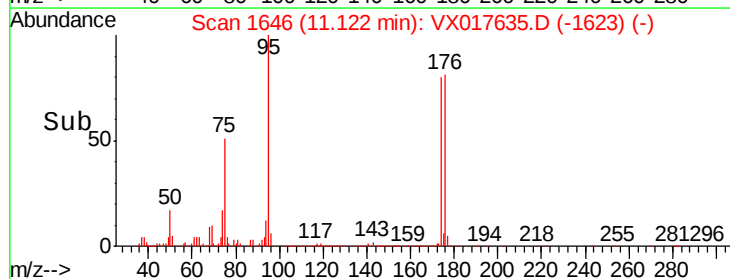
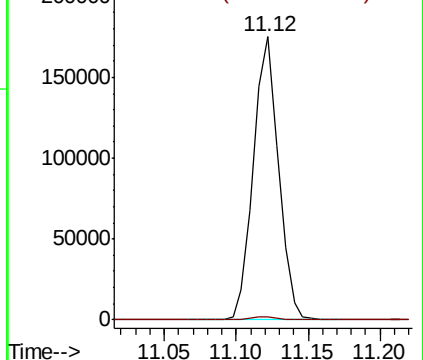
75 100

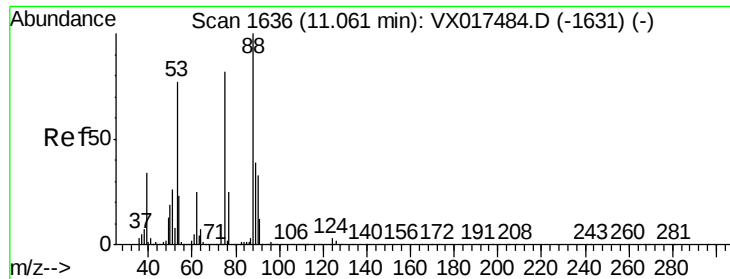
77 1.4 21.8 65.3#



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: 57.890 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

Instrument :

MSVOA_X

ClientSampleId :

SY-3D

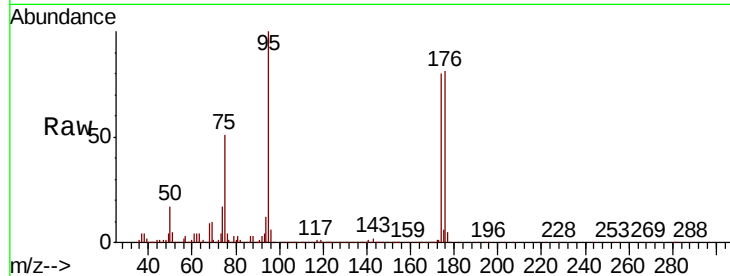
Tot Ion: 75 Resp: 210207

Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

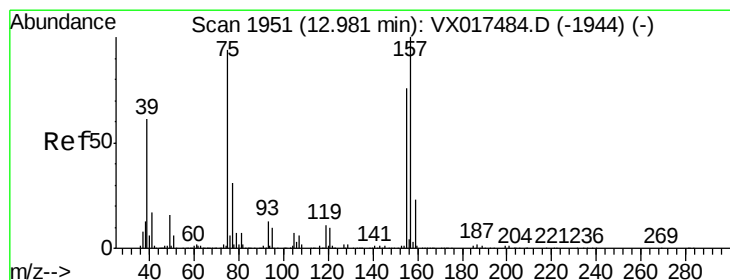
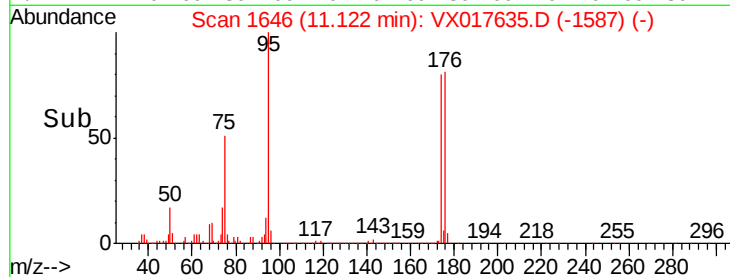
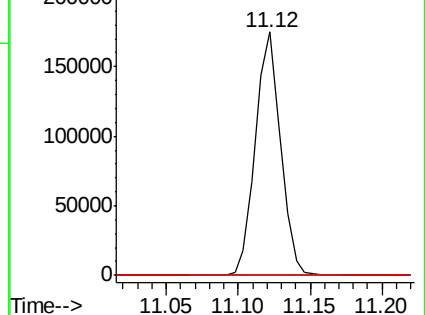
89 0.1 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.671 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017635.D

Acq: 27 Jul 2020 22:21

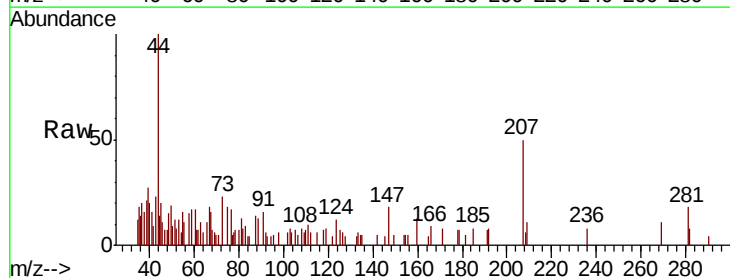
Tgt Ion: 75 Resp: 267

Ion Ratio Lower Upper

75 100

155 30.0 42.3 126.8#

157 0.0 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

