

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101220\
 Data File : VX018905.D
 Acq On : 12 Oct 2020 15:59
 Operator : JC/SP
 Sample : L4303-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-06

Quant Time: Oct 13 04:08:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 06:09:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	256620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	406165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	405268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	197863	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	5.46	113	147288	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	8.70	98	515691	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.12	95	197420	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

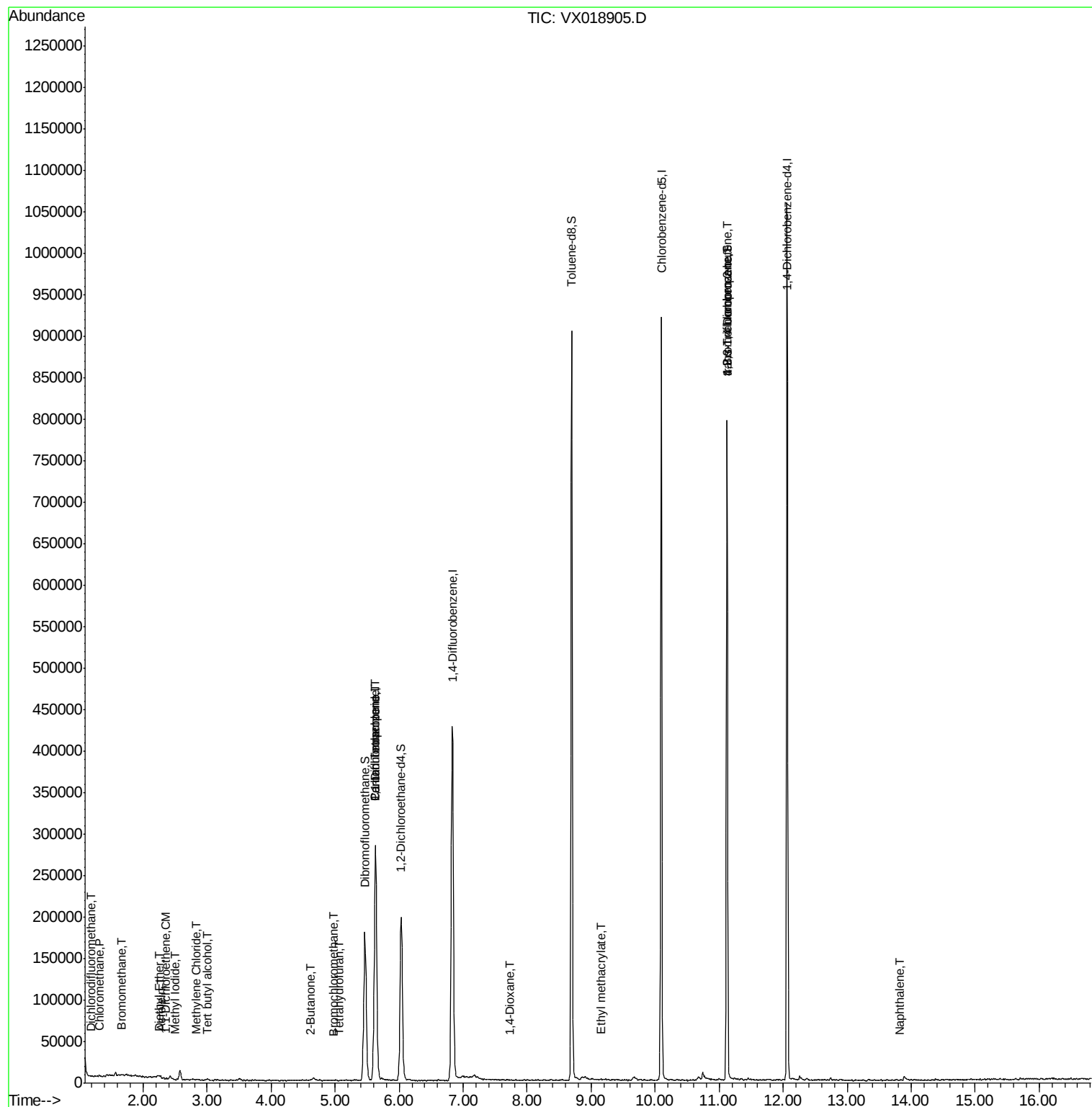
						Qvalue
2) Dichlorodifluoromethane	1.20	85	154	1.668	ug/l #	43
3) Chloromethane	1.31	50	2065	0.859	ug/l #	88
5) Bromomethane	1.66	94	680	0.454	ug/l #	65
8) Diethyl Ether	2.25	74	206	1.167	ug/l	92
10) Methyl Iodide	2.50	142	359	4.115	ug/l #	54
11) Tert butyl alcohol	3.00	59	881	1.478	ug/l #	70
12) 1,1-Dichloroethene	2.35	96	155	0.769	ug/l #	1
13) Acrolein	2.28	56	156	0.315	ug/l #	39
16) Acetone	2.42	43	4534	Below Cal		91
20) Methylene Chloride	2.83	84	366	0.638	ug/l #	79
25) 2-Butanone	4.61	43	414	0.202	ug/l #	50
28) Bromochloromethane	4.98	49	221	1.615	ug/l #	8
29) Tetrahydrofuran	5.07	42	318	0.289	ug/l #	53
36) 1,1-Dichloropropene	5.63	75	19938	4.669	ug/l #	52
38) Carbon Tetrachloride	5.63	117	26911	5.084	ug/l #	20
49) 1,4-Dioxane	7.73	88	48	0.984	ug/l #	1
56) Ethyl methacrylate	9.15	69	19	2.938	ug/l #	1
64) Tetrachloroethene	9.32	164	53	Below Cal	#	46
76) 1,2,3-Trichloropropane	11.12	75	103457	23.681	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	103457	67.111	ug/l #	8
95) Naphthalene	13.82	128	399	3.104	ug/l #	70

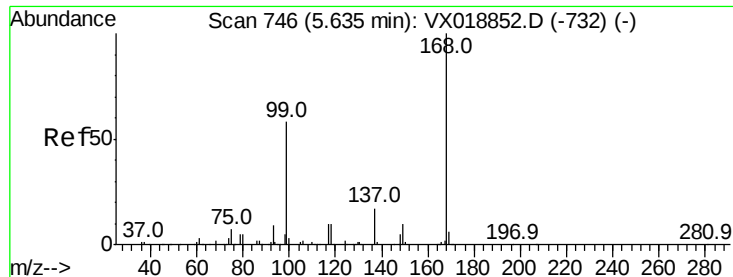
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 10 06:09:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampled :

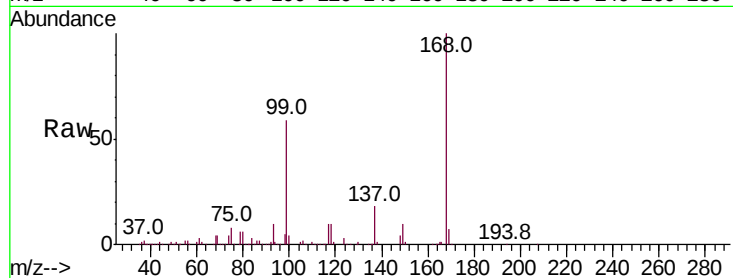
DUP-06

Tot Ion:168 Resp: 256620

Ion Ratio Lower Upper

168 100

99 59.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

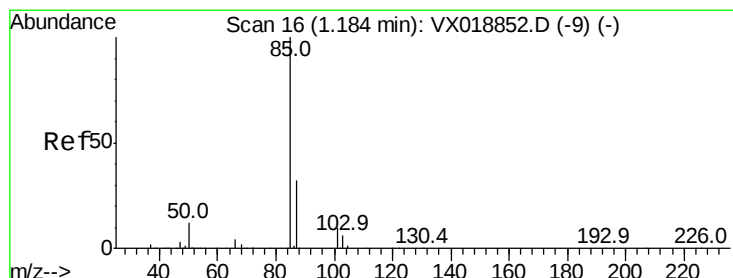
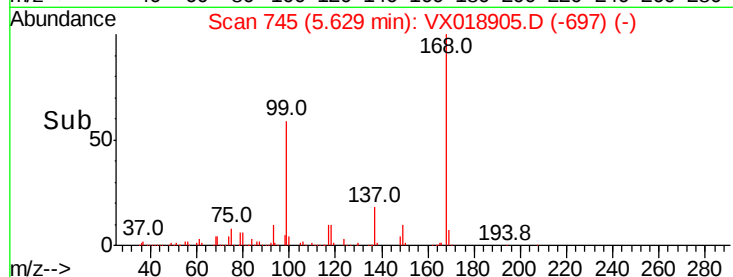
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.668 ug/l

RT: 1.20 min Scan# 18

Delta R.T. 0.01 min

Lab File: VX018905.D

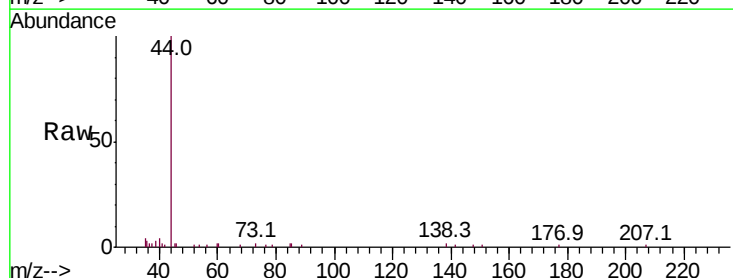
Acq: 12 Oct 2020 15:59

Tgt Ion: 85 Resp: 154

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250

200

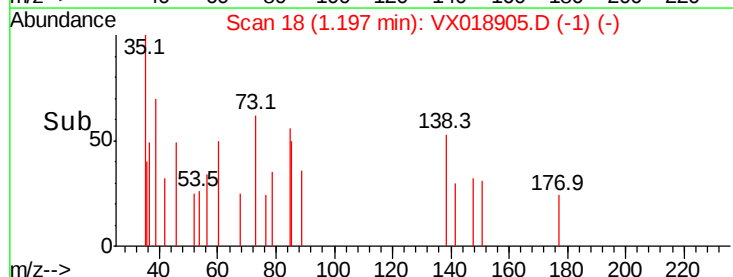
150

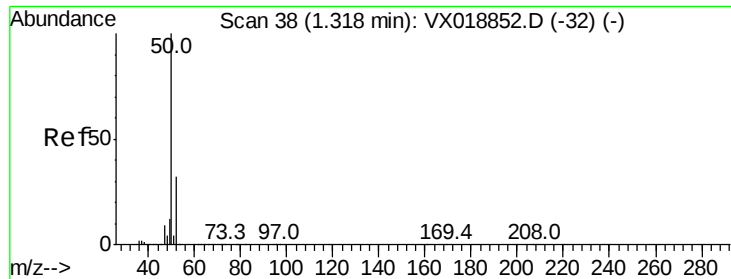
100

50

0

Time-->





#3

Chloromethane

Concen: 0.859 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampled :

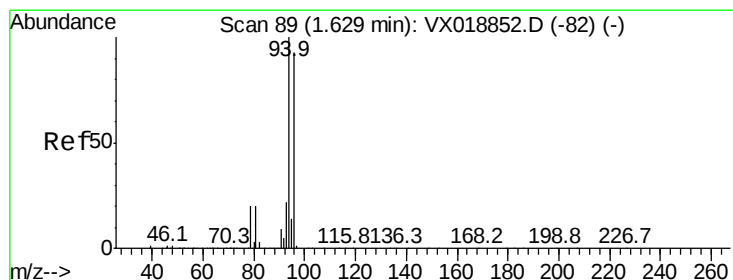
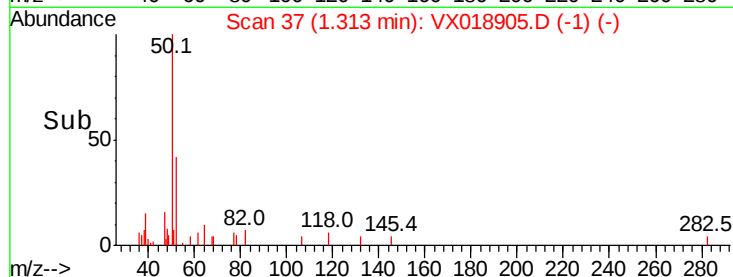
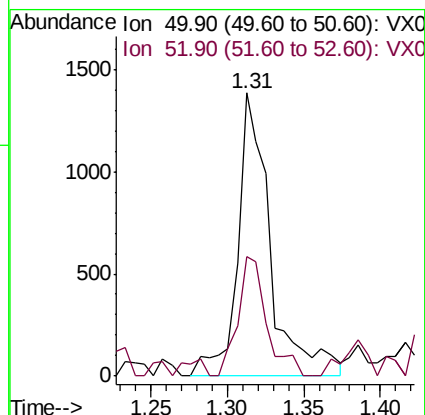
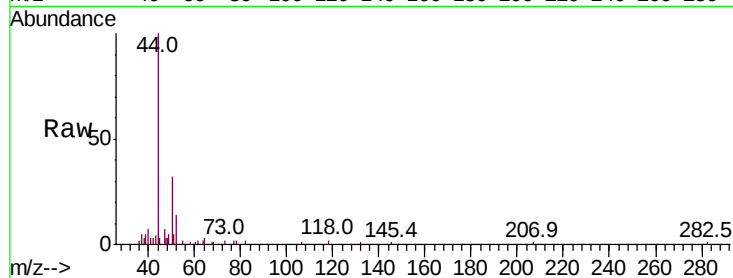
DUP-06

Tot Ion: 50 Resp: 2065

Ion Ratio Lower Upper

50 100

52 38.1 25.2 37.8#



#5

Bromomethane

Concen: 0.454 ug/l

RT: 1.66 min Scan# 94

Delta R.T. 0.03 min

Lab File: VX018905.D

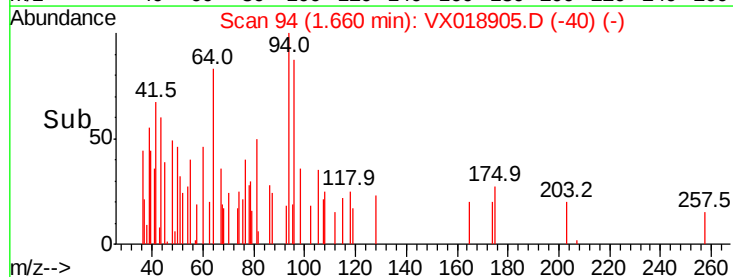
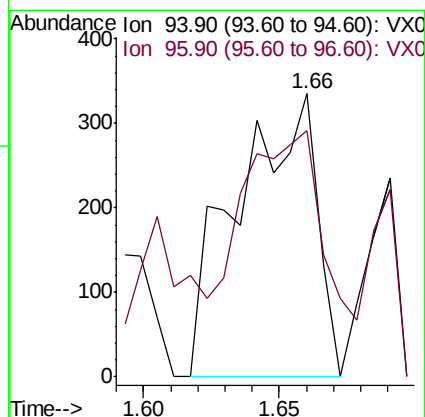
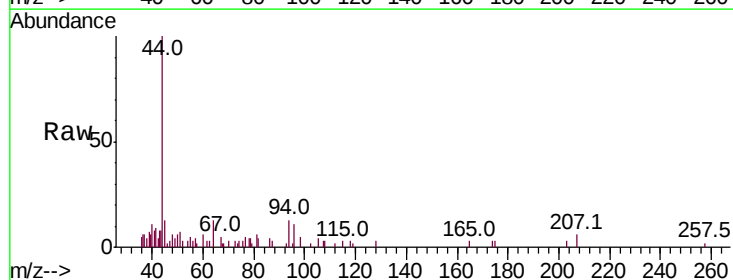
Acq: 12 Oct 2020 15:59

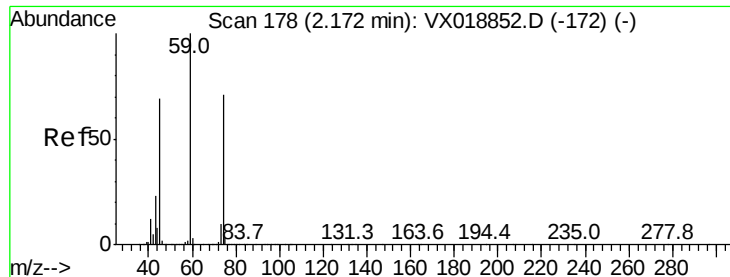
Tgt Ion: 94 Resp: 680

Ion Ratio Lower Upper

94 100

96 59.4 74.5 111.7#





#8

Diethyl Ether

Concen: 1.167 ug/l

RT: 2.25 min Scan# 190

Delta R.T. 0.07 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

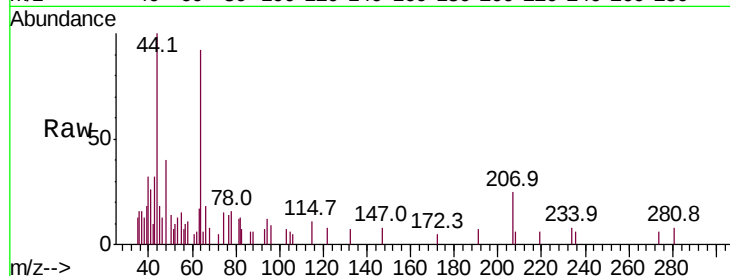
DUP-06

Tot Ion: 74 Resp: 206

Ion Ratio Lower Upper

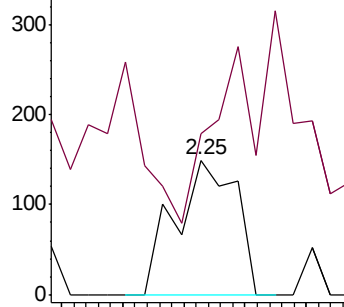
74 100

45 86.4 47.0 141.2

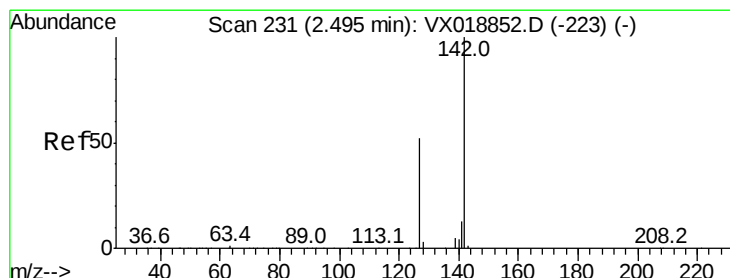
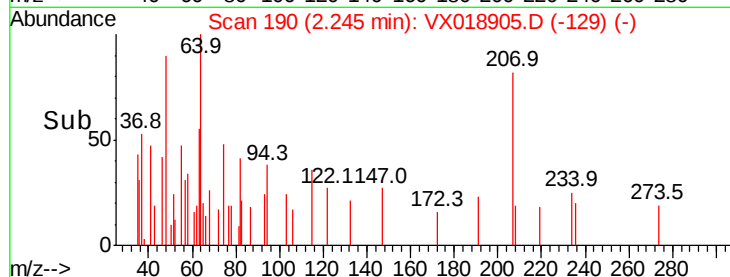


Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#10

Methyl Iodide

Concen: 4.115 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

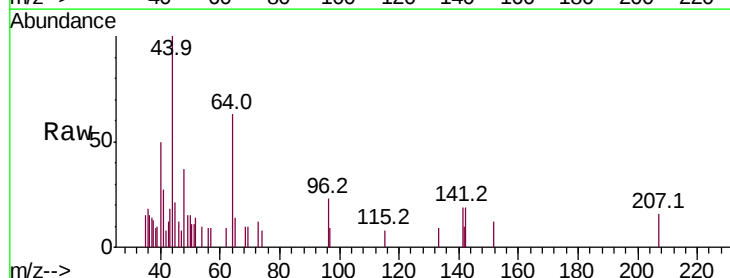
Tgt Ion: 142 Resp: 359

Ion Ratio Lower Upper

142 100

127 13.1 42.0 63.0#

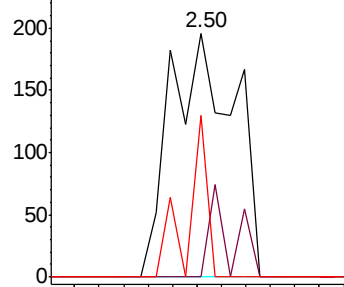
141 19.8 11.8 17.6#



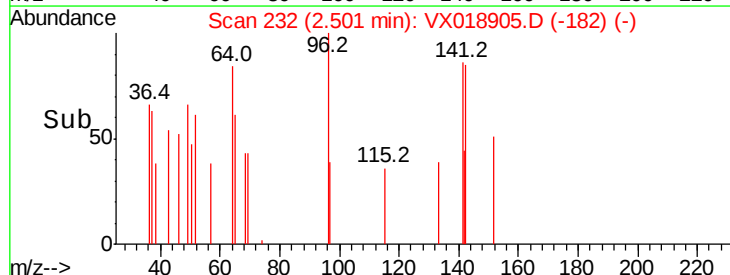
Abundance Ion 141.80 (141.50 to 142.50): V

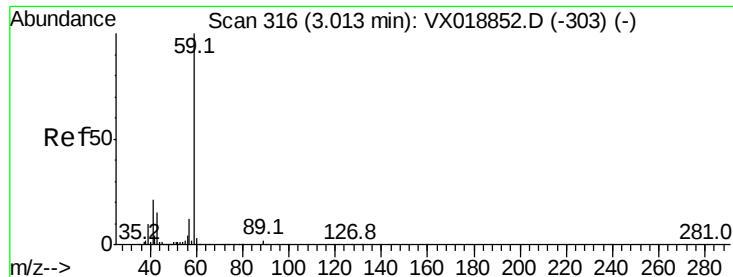
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



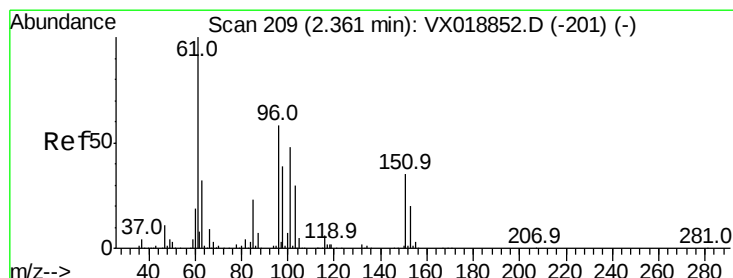
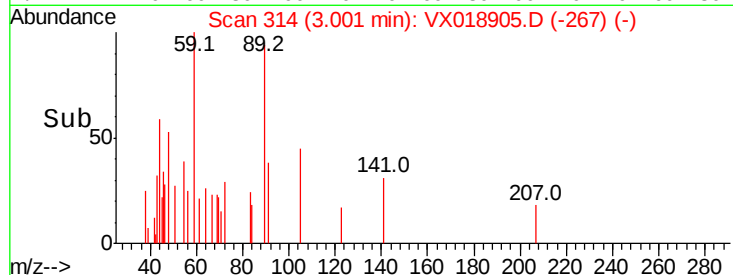
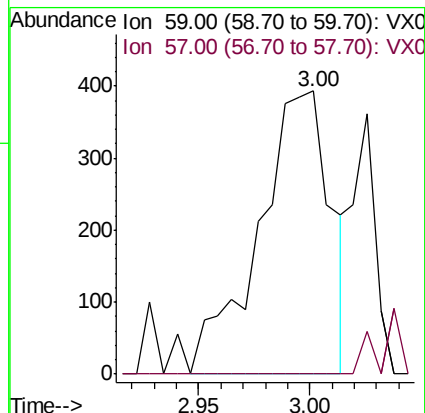
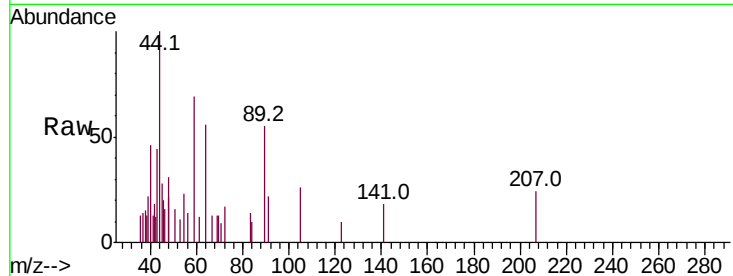


#11

Tert butyl alcohol
 Concen: 1.478 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX018905.D
 Acq: 12 Oct 2020 15:59

Instrument :
 MSVOA_X
 ClientSampled :
 DUP-06

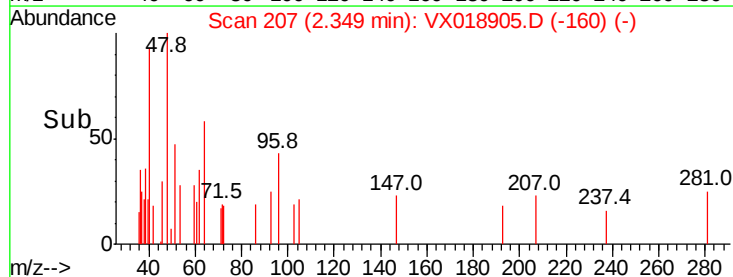
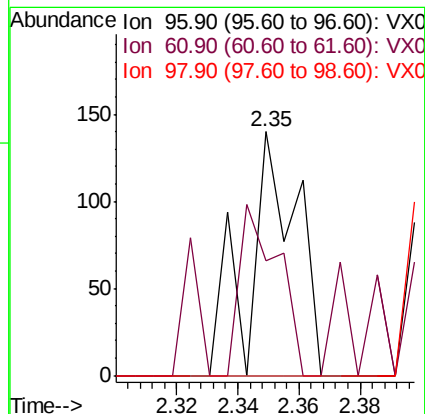
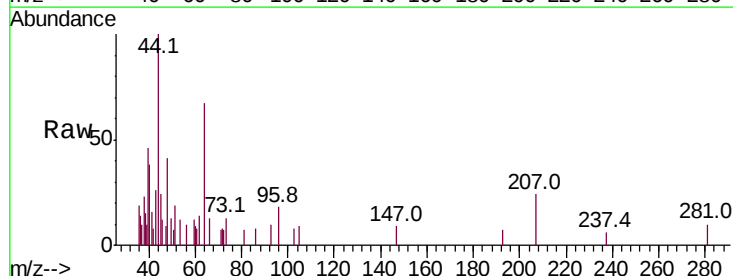
Tot Ion: 59 Resp: 881
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

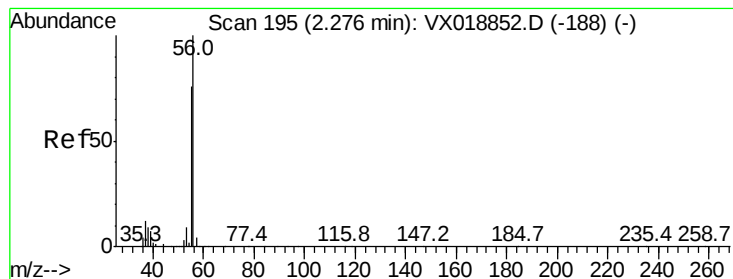


#12

1,1-Dichloroethene
 Concen: 0.769 ug/l
 RT: 2.35 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VX018905.D
 Acq: 12 Oct 2020 15:59

Tgt Ion: 96 Resp: 155
 Ion Ratio Lower Upper
 96 100
 61 0.7 137.0 205.6#
 98 0.0 53.9 80.9#





#13

Acrolein

Concen: 0.315 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

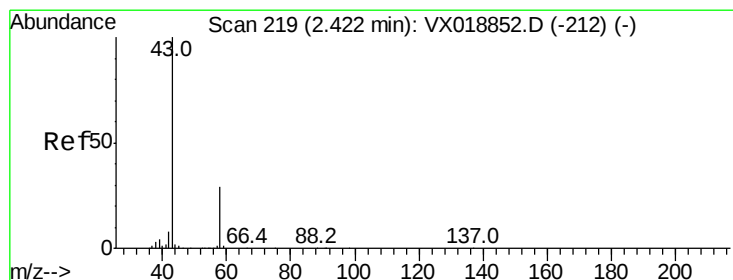
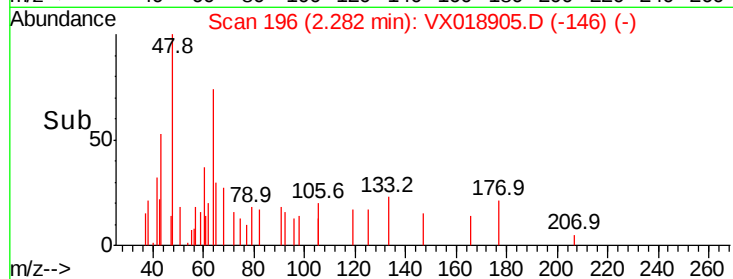
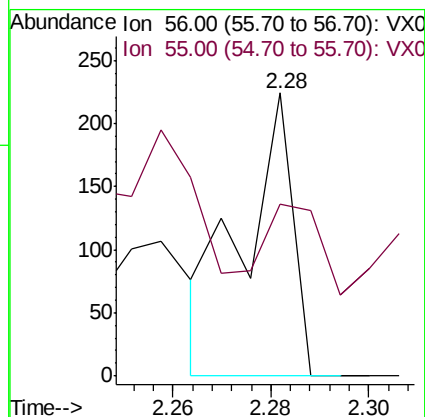
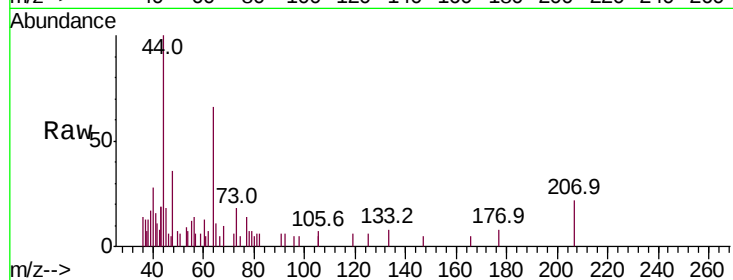
DUP-06

Tot Ion: 56 Resp: 156

Ion Ratio Lower Upper

56 100

55 124.4 58.6 87.8#



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018905.D

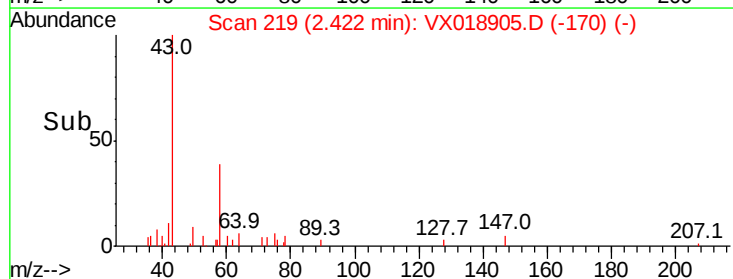
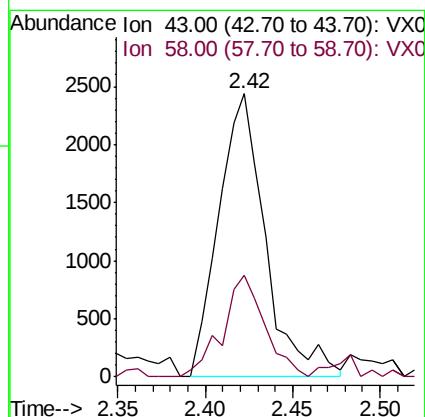
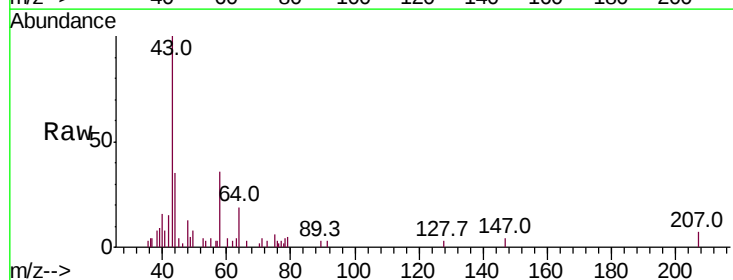
Acq: 12 Oct 2020 15:59

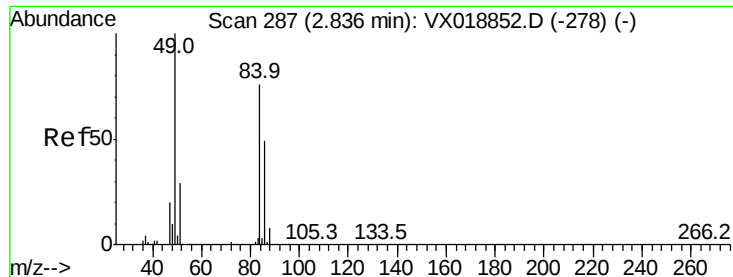
Tgt Ion: 43 Resp: 4534

Ion Ratio Lower Upper

43 100

58 33.4 23.0 34.4





#20

Methylene Chloride

Concen: 0.638 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampled :

DUP-06

Tot Ion: 84 Resp: 366

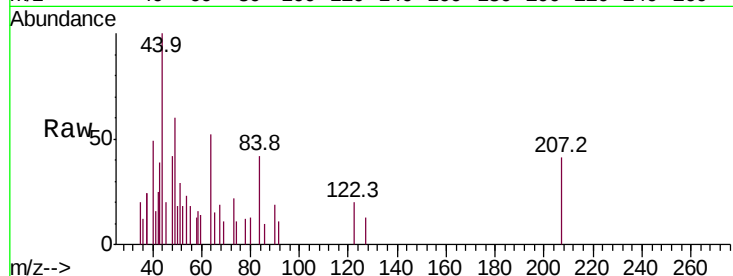
Ion Ratio Lower Upper

84 100

49 141.6 104.8 157.2

51 28.0 30.6 46.0#

86 24.8 50.8 76.2#

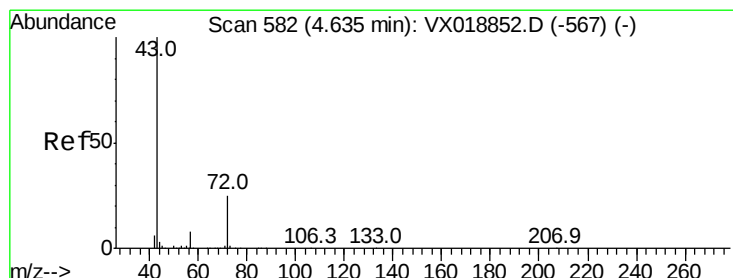
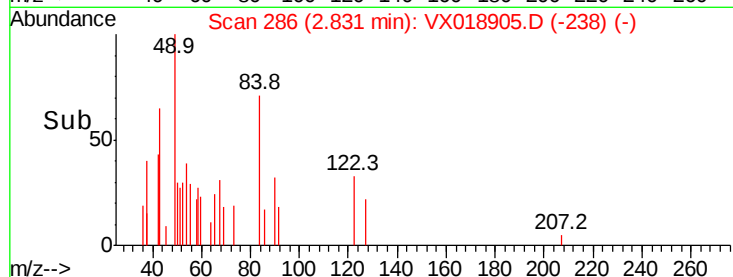
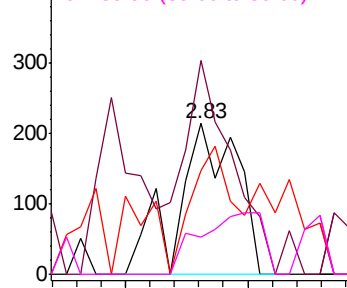


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.61 min Scan# 578

Delta R.T. -0.02 min

Lab File: VX018905.D

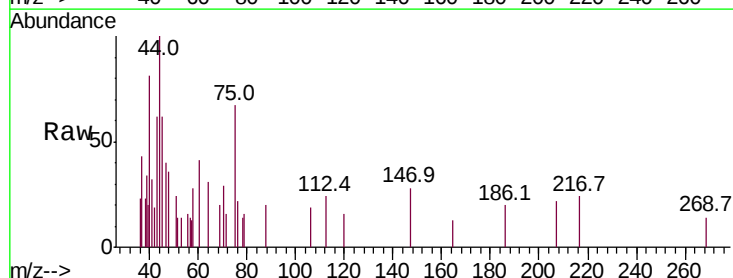
Acq: 12 Oct 2020 15:59

Tgt Ion: 43 Resp: 414

Ion Ratio Lower Upper

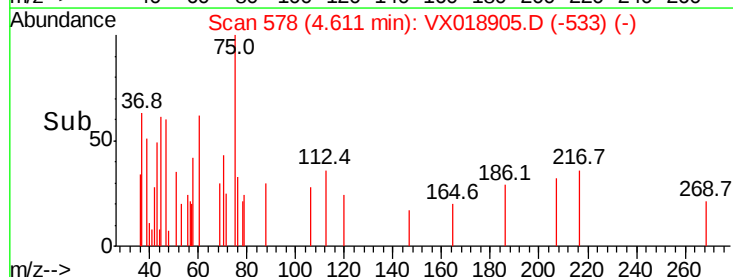
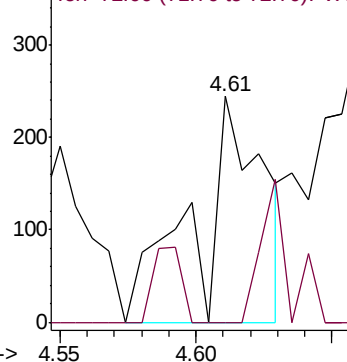
43 100

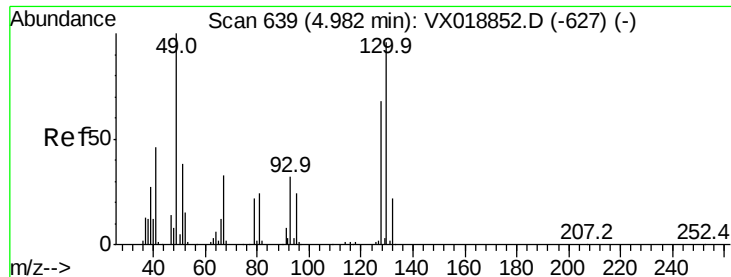
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 1.615 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampled :

DUP-06

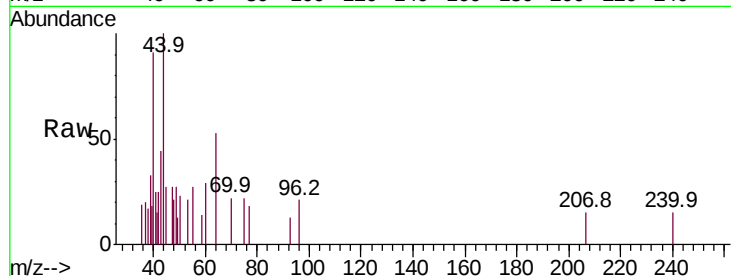
Tot Ion: 49 Resp: 221

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

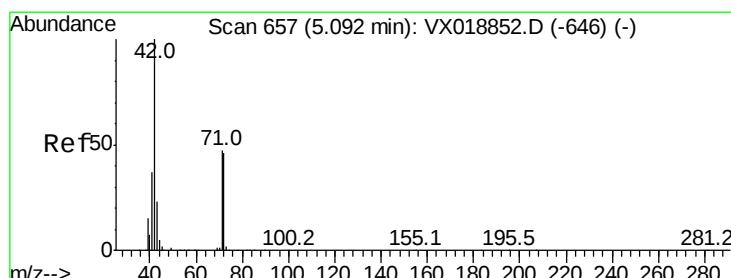
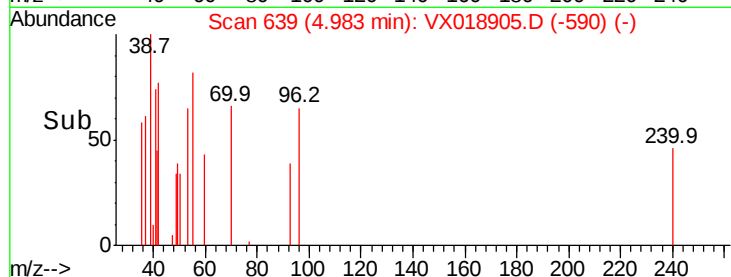
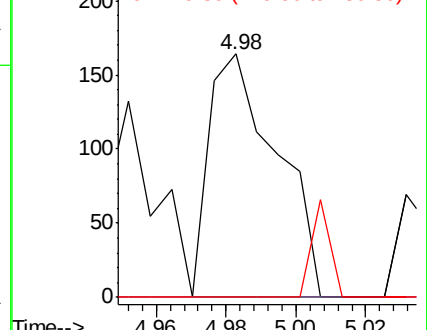
130 0.0 71.2 106.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.289 ug/l

RT: 5.07 min Scan# 653

Delta R.T. -0.02 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

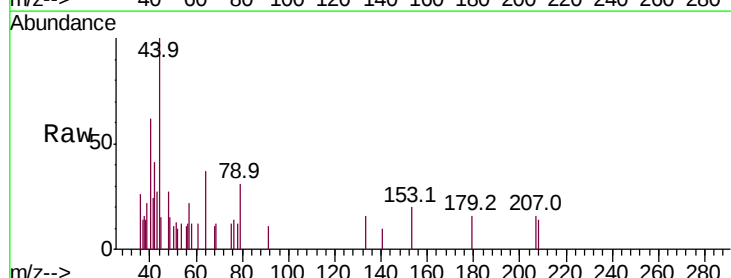
Tgt Ion: 42 Resp: 318

Ion Ratio Lower Upper

42 100

72 12.6 36.4 54.6#

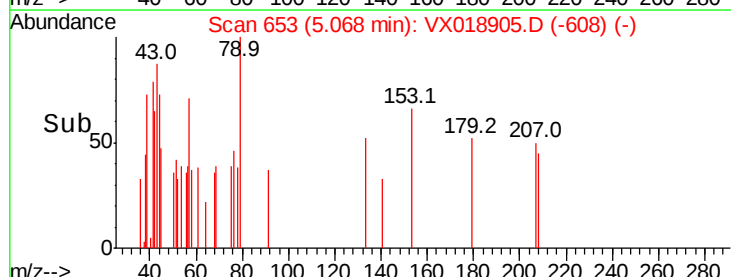
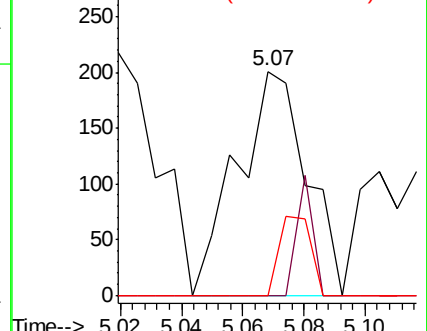
71 16.0 35.2 52.8#

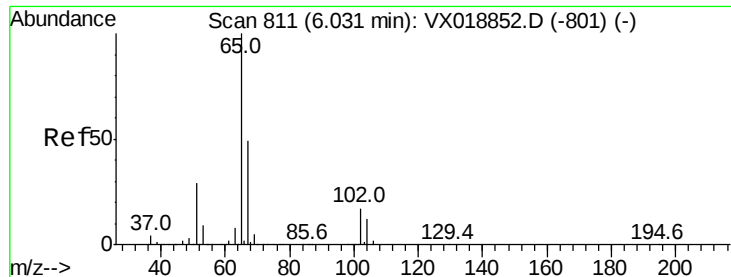


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.277 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

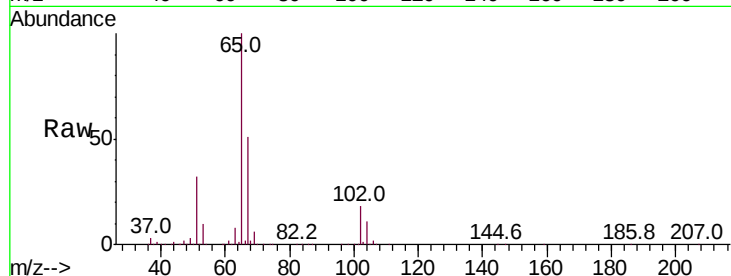
DUP-06

Tot Ion: 65 Resp: 197863

Ion Ratio Lower Upper

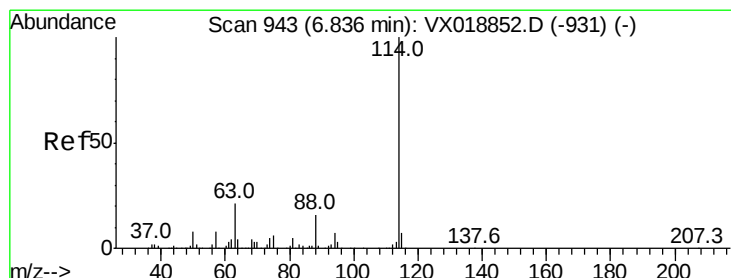
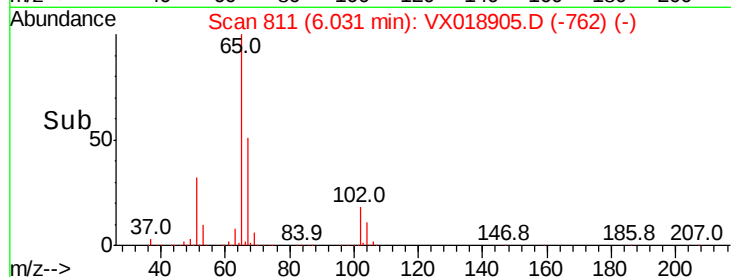
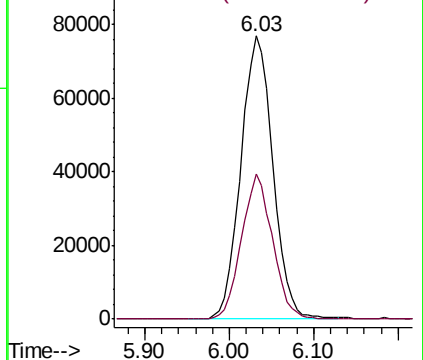
65 100

67 49.6 0.0 97.0



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. -0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

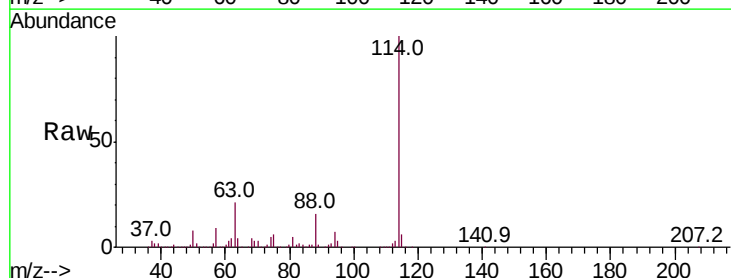
Tgt Ion: 114 Resp: 406165

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

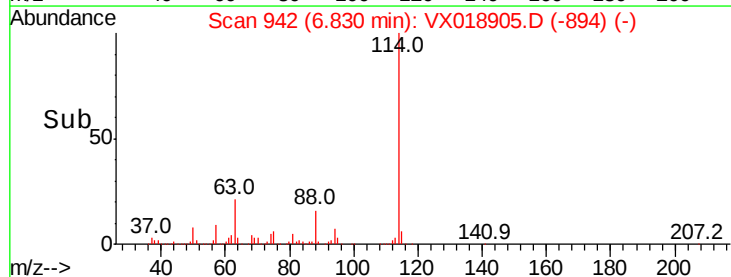
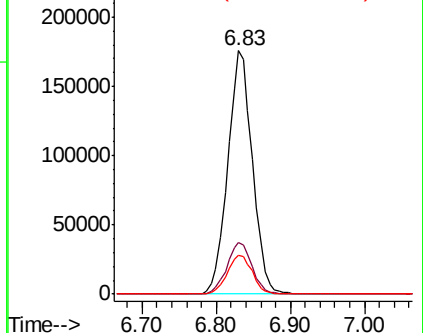
88 15.9 0.0 32.6

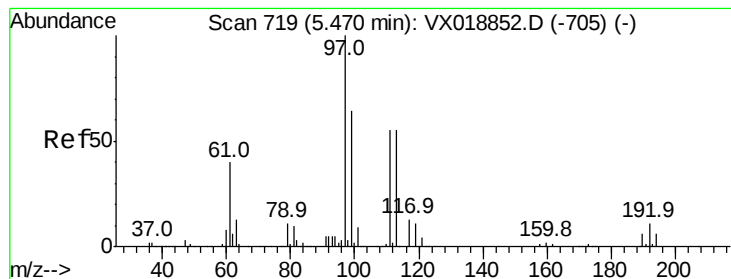


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.884 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

DUP-06

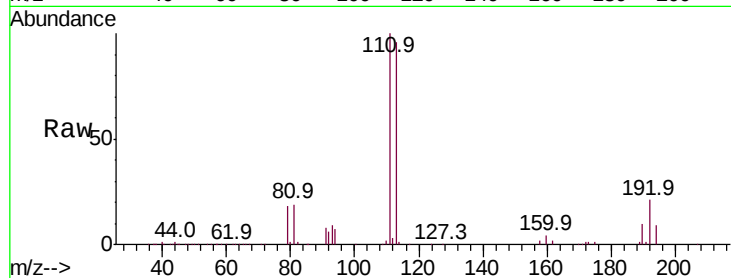
Tot Ion:113 Resp: 147288

Ion Ratio Lower Upper

113 100

111 103.6 80.1 120.1

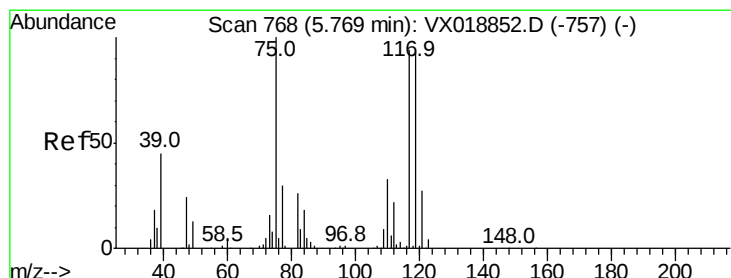
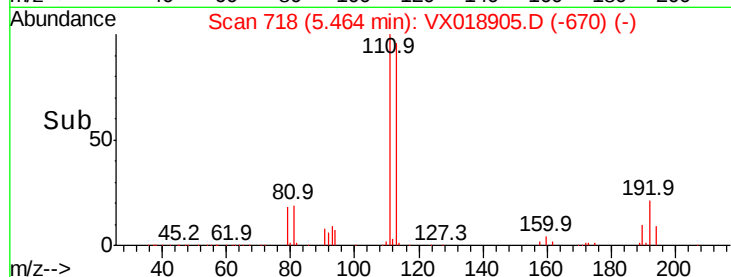
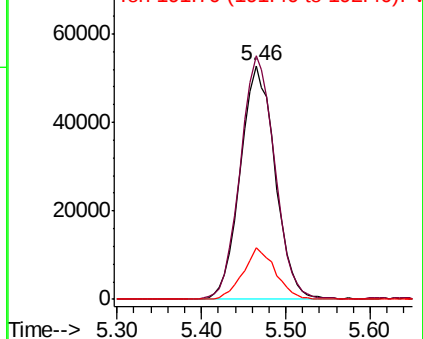
192 20.7 16.0 24.0



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: 4.669 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

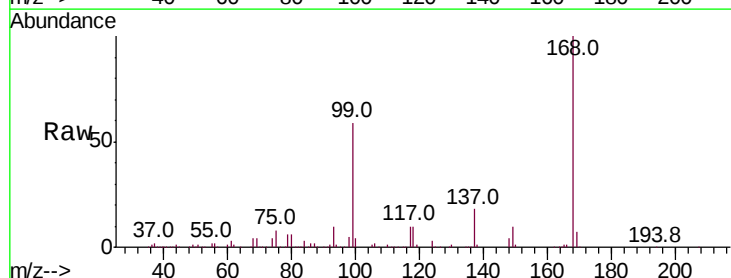
Tgt Ion: 75 Resp: 19938

Ion Ratio Lower Upper

75 100

110 11.0 17.8 53.5#

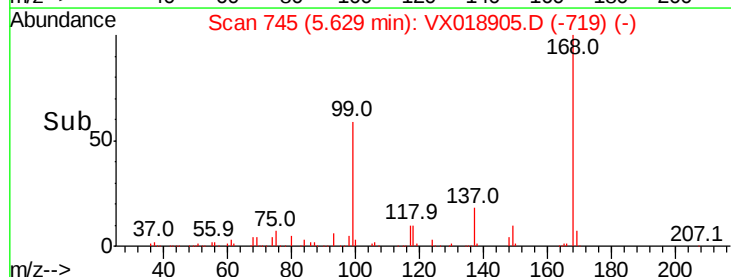
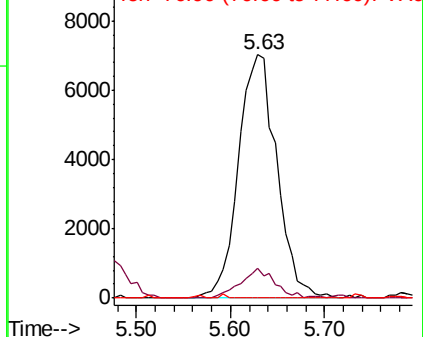
77 0.0 24.2 36.4#

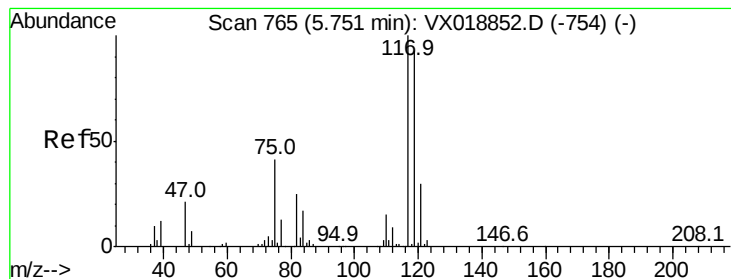


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.084 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampled :

DUP-06

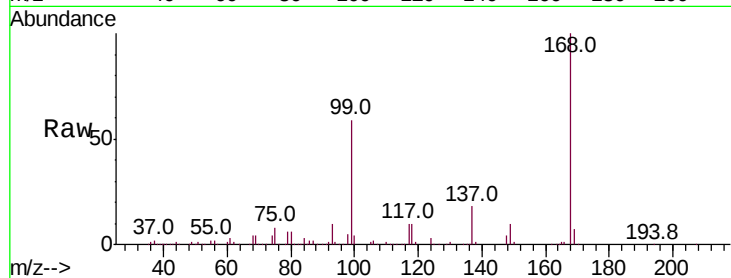
Tot Ion:117 Resp: 26911

Ion Ratio Lower Upper

117 100

119 7.8 73.9 110.9#

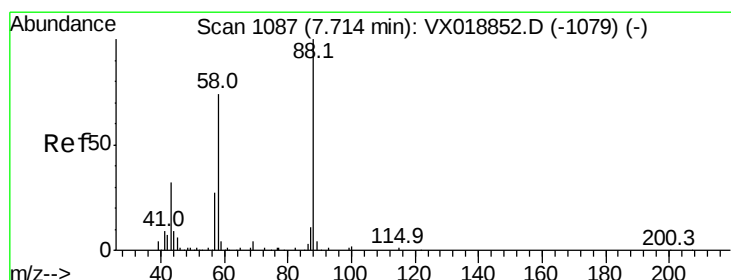
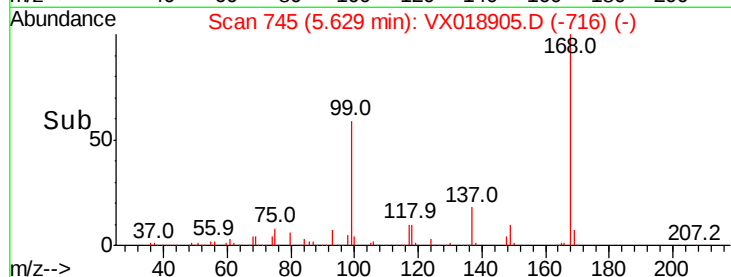
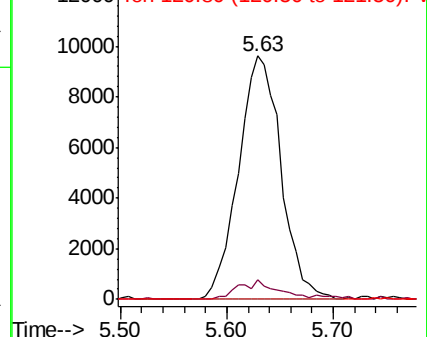
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.984 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

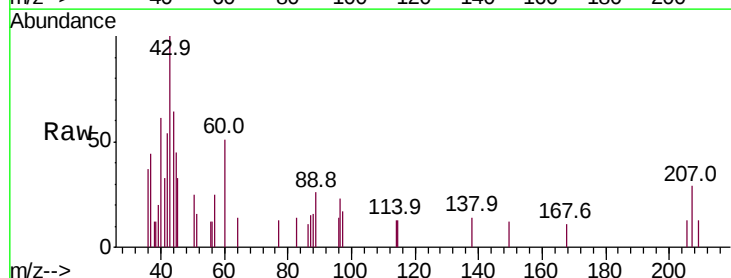
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 375.0 31.0 46.6#

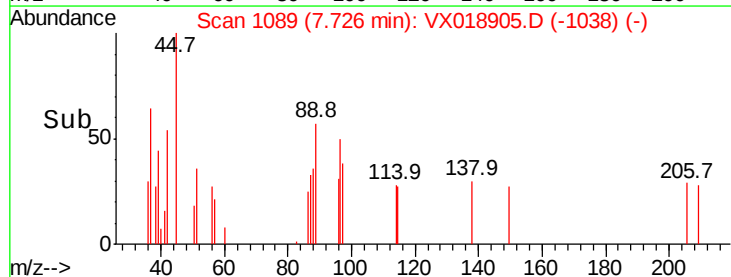
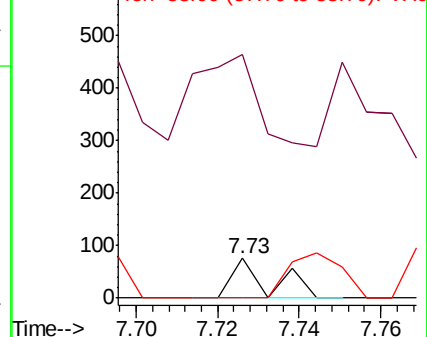
58 0.0 59.3 88.9#

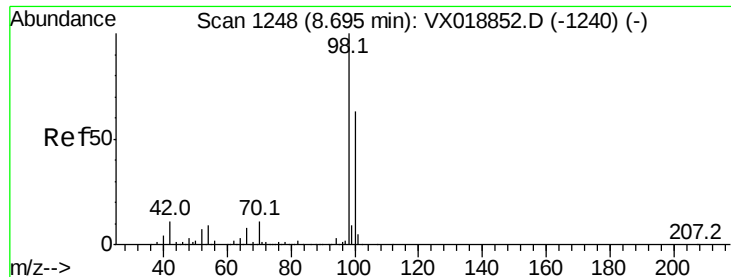


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

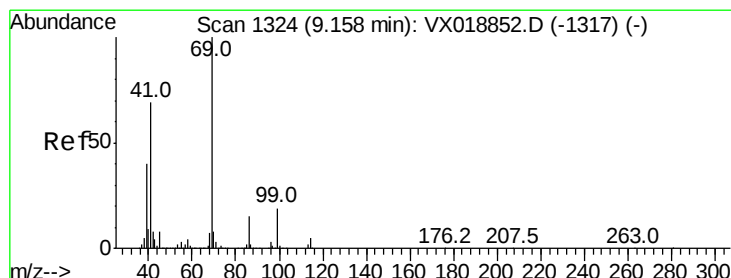
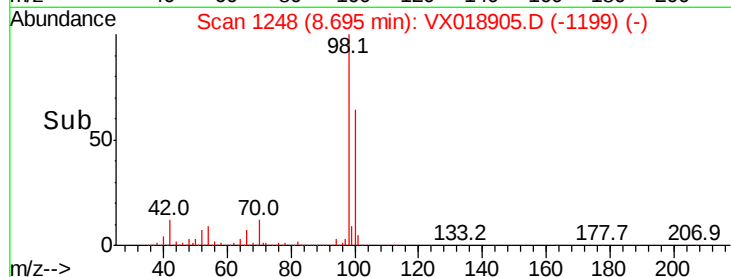
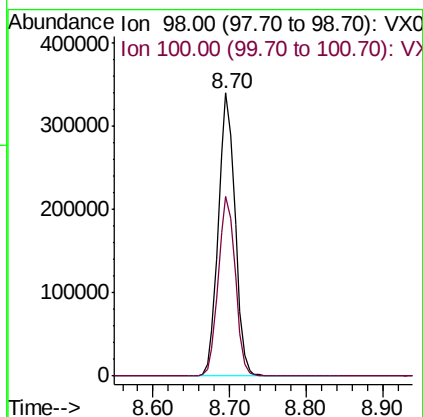
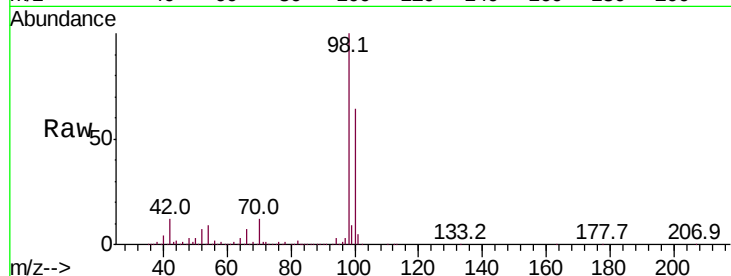




#50
Toluene-d8
Concen: 51.360 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018905.D
Acq: 12 Oct 2020 15:59

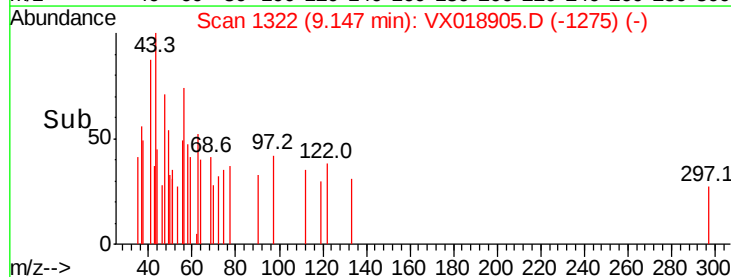
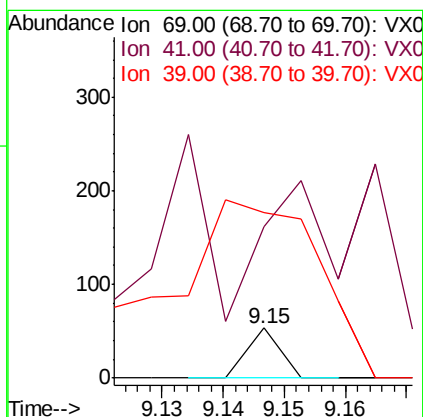
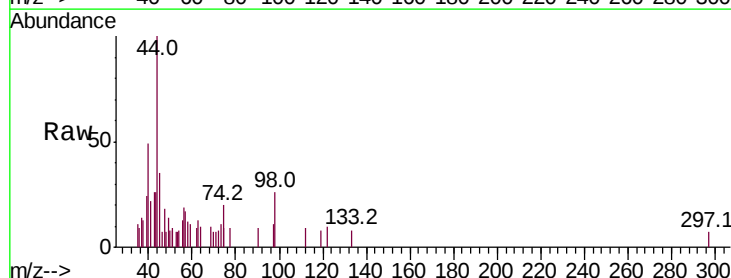
Instrument :
MSVOA_X
ClientSampleId :
DUP-06

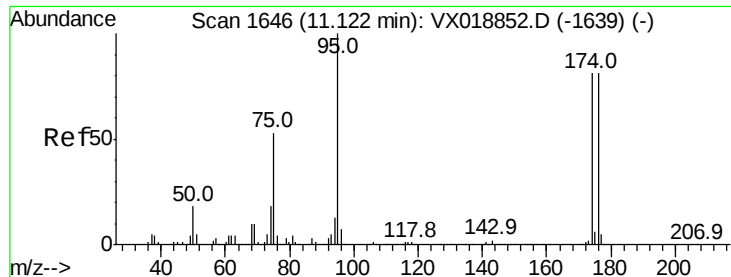
Tot Ion: 98 Resp: 515691
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#56
Ethyl methacrylate
Concen: 2.938 ug/l
RT: 9.15 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX018905.D
Acq: 12 Oct 2020 15:59

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 673.7 54.6 81.8#
39 1357.9 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 49.333 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

DUP-06

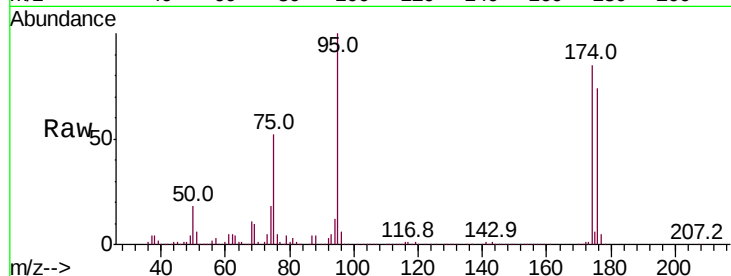
Tot Ion: 95 Resp: 197420

Ion Ratio Lower Upper

95 100

174 84.3 0.0 160.0

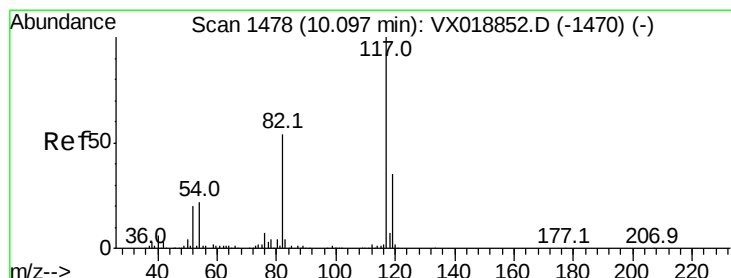
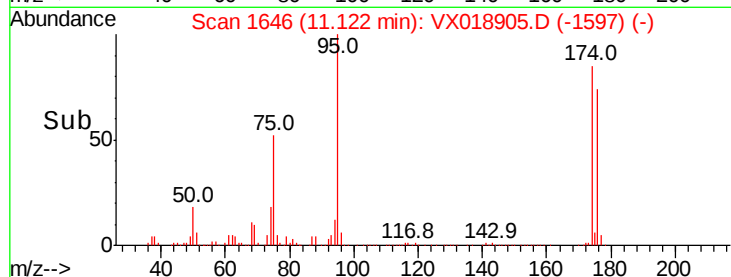
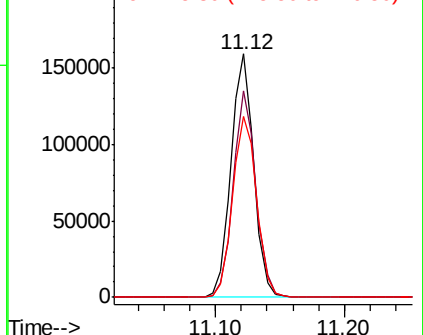
176 78.4 0.0 161.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

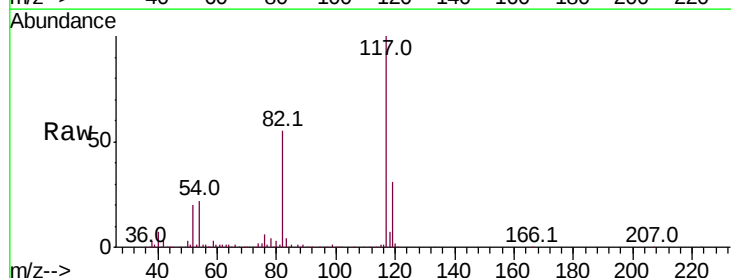
Tgt Ion: 117 Resp: 405268

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.2

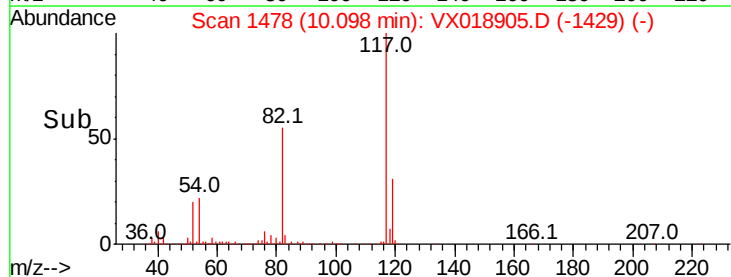
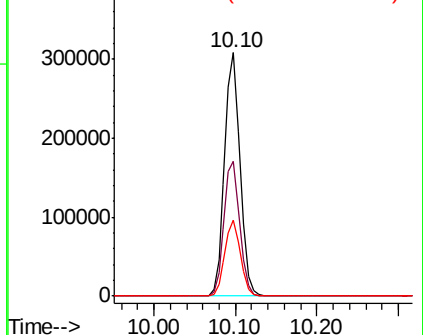
119 31.0 28.3 42.5

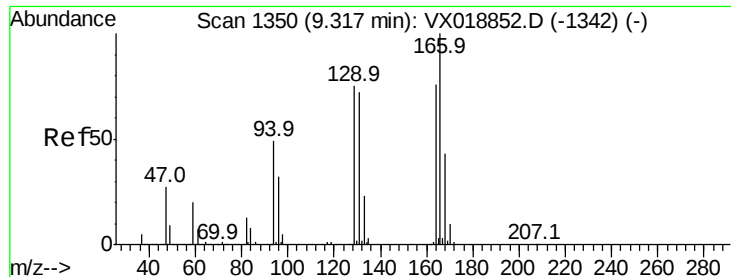


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: Below Cal

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampled :

DUP-06

Tot Ion:164 Resp: 53

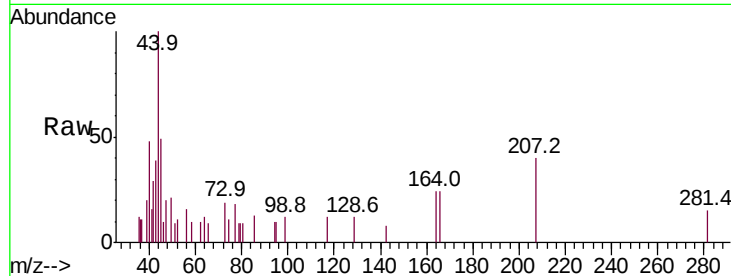
Ion Ratio Lower Upper

164 100

166 99.3 105.4 158.0#

129 51.0 79.0 118.6#

131 0.0 75.7 113.5#

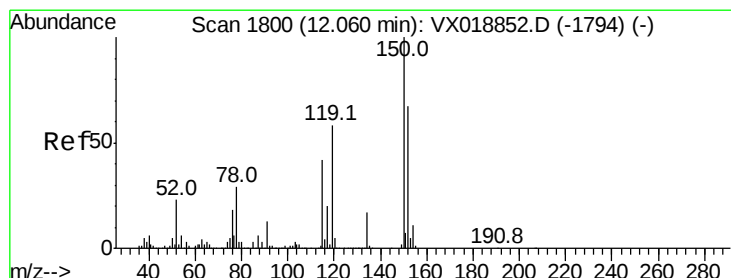
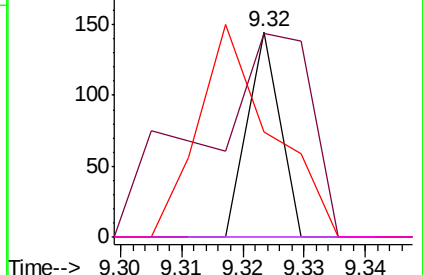
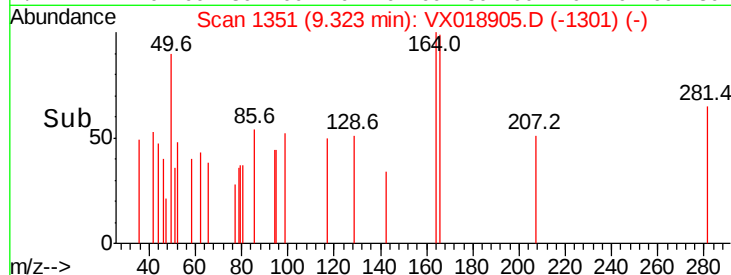


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX018905.D

Acq: 12 Oct 2020 15:59

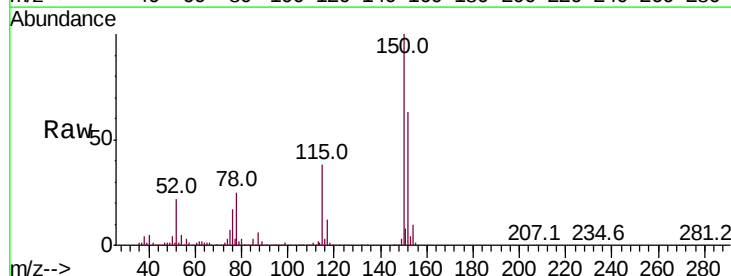
Tgt Ion:152 Resp: 202755

Ion Ratio Lower Upper

152 100

115 59.1 41.8 125.4

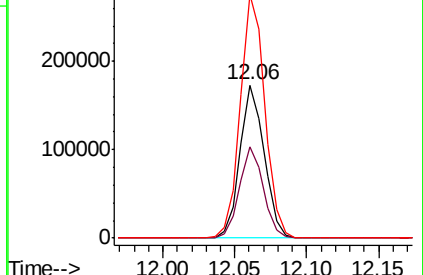
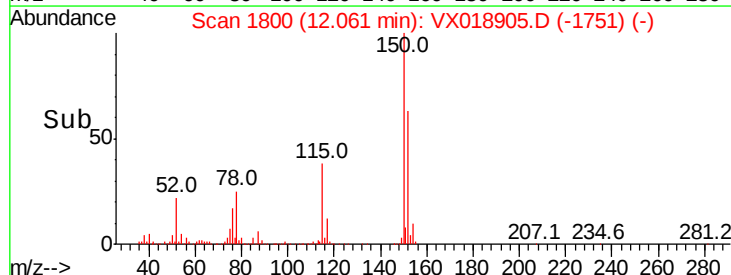
150 160.2 0.0 347.6

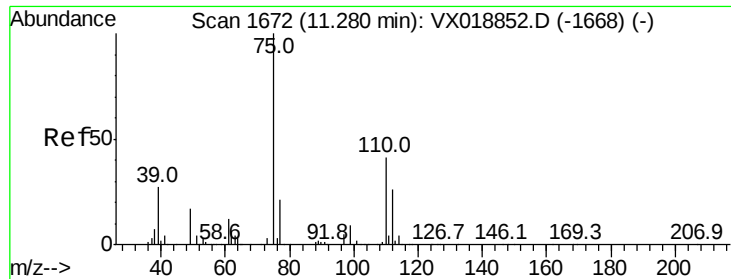


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

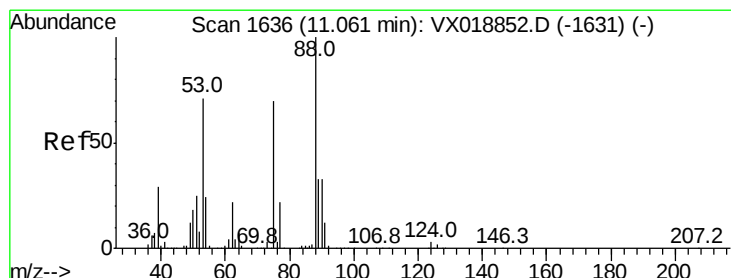
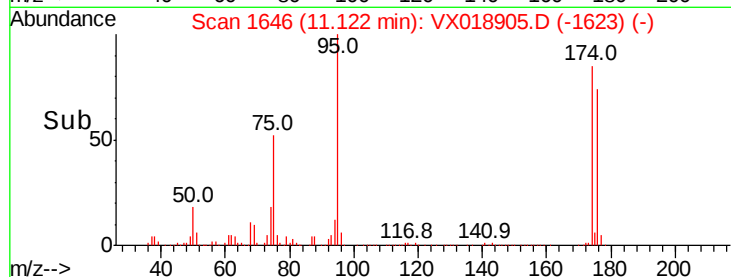
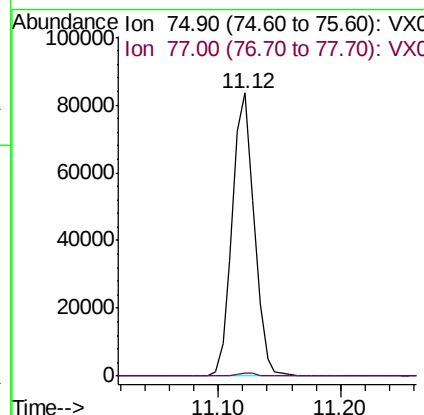
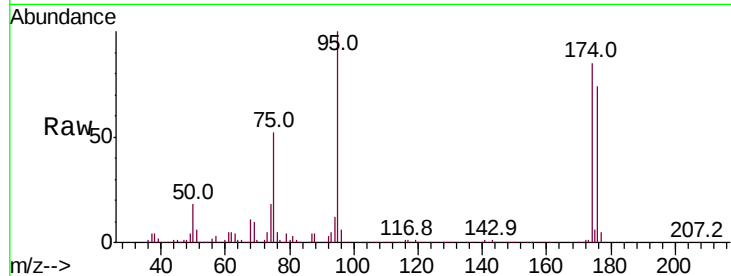




#76
 1,2,3-Trichloropropane
 Concen: 23.681 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018905.D
 Acq: 12 Oct 2020 15:59

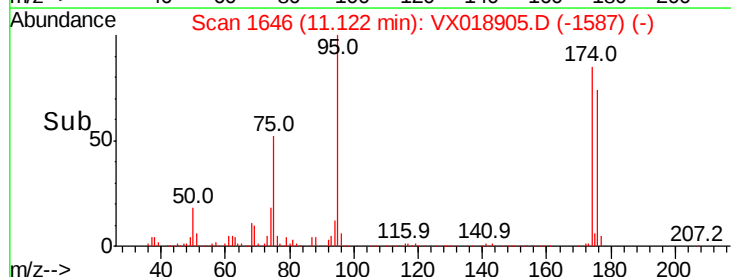
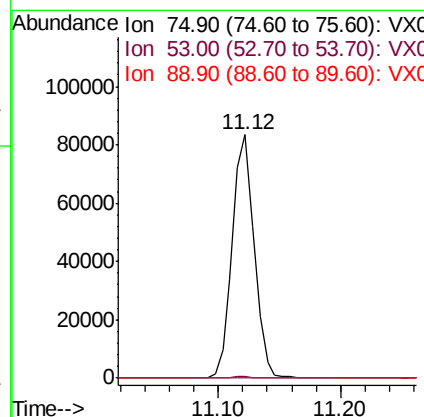
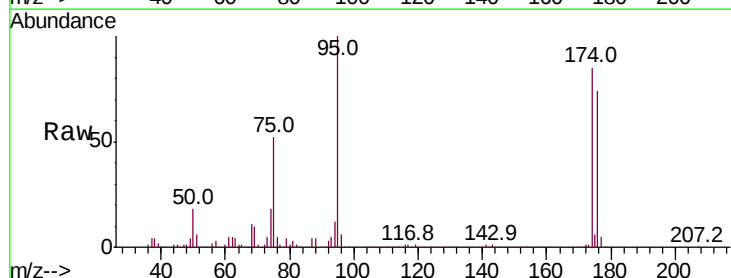
Instrument :
 MSVOA_X
 ClientSampleID :
 DUP-06

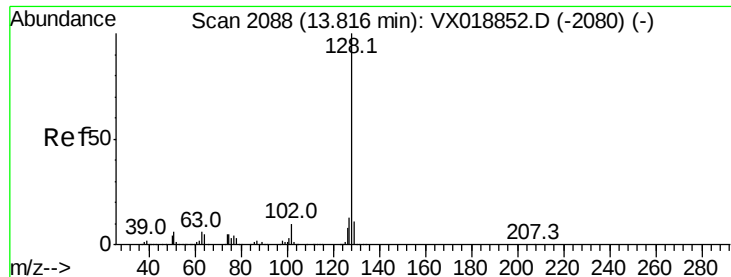
Tot Ion: 75 Resp: 103457
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.111 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018905.D
 Acq: 12 Oct 2020 15:59

Tgt Ion: 75 Resp: 103457
 Ion Ratio Lower Upper
 75 100
 53 0.7 85.0 127.4#
 89 0.0 39.0 58.4#





#95

Naphthalene

Concen: 3.104 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018905.D

Acq: 12 Oct 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

DUP-06

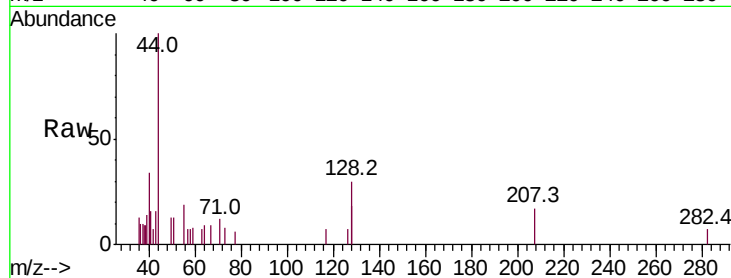
Tot Ion:128 Resp: 399

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.6 13.0#



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

