

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101220\
 Data File : VX018920.D
 Acq On : 12 Oct 2020 21:40
 Operator : JC/SP
 Sample : L4299-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 86-96-COMP

Quant Time: Oct 13 04:10:35 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	248859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	388822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	391605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	210012	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	181750	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	5.47	113	143191	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	8.70	98	485147	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.12	95	188834	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	

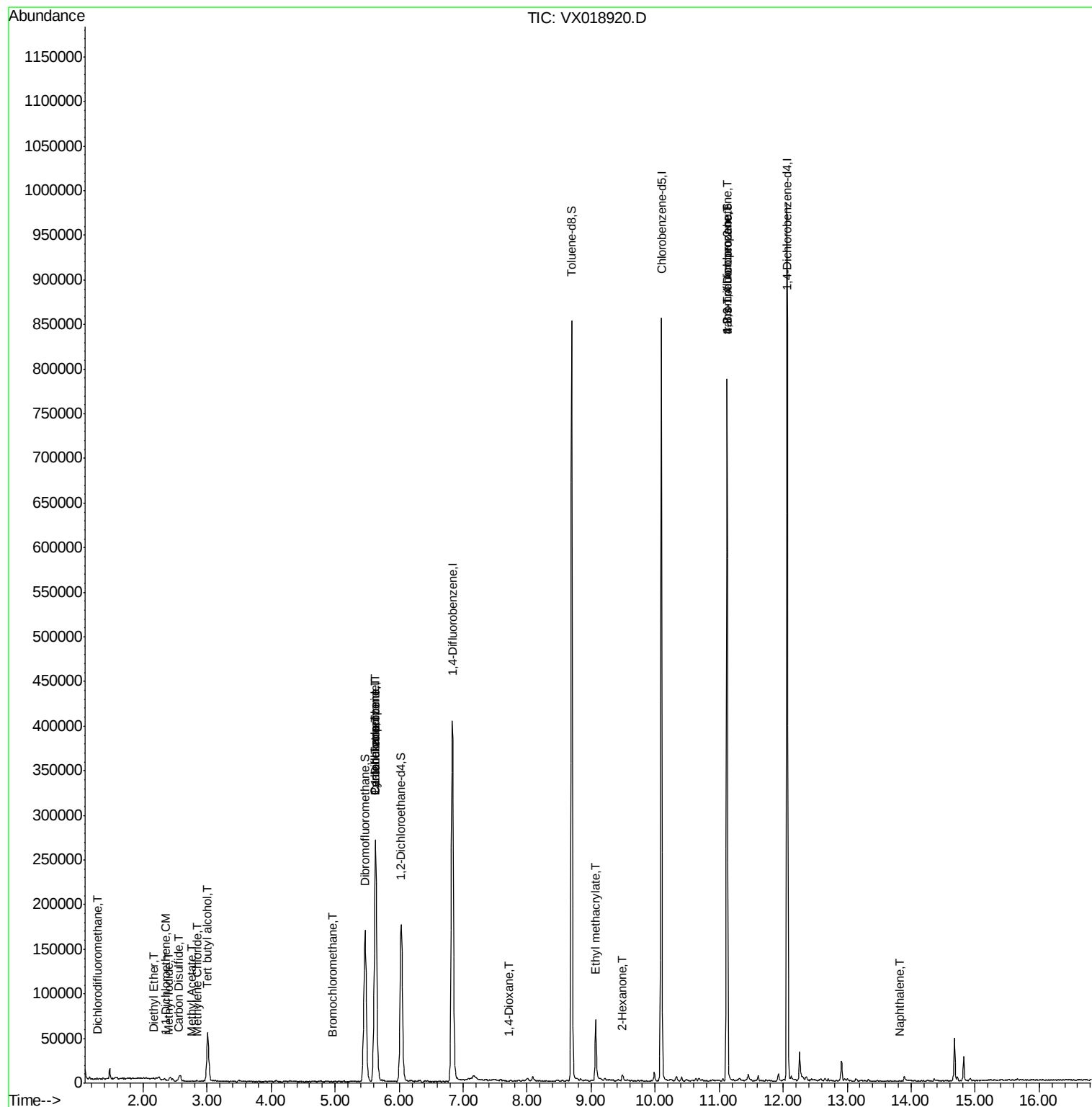
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.29	85	38	1.631	ug/l #	43
8) Diethyl Ether	2.16	74	159	1.139	ug/l	94
10) Methyl Iodide	2.40	142	23	3.999	ug/l #	34
11) Tert butyl alcohol	3.01	59	62820	108.669	ug/l	99
12) 1,1-Dichloroethene	2.35	96	24	0.715	ug/l #	1
16) Acetone	2.42	43	4530	Below Cal		91
17) Carbon Disulfide	2.56	76	2610	0.387	ug/l #	82
18) Methyl Acetate	2.75	43	737	0.242	ug/l #	58
20) Methylene Chloride	2.84	84	330	0.629	ug/l #	56
28) Bromochloromethane	4.97	49	20	1.530	ug/l #	8
31) Cyclohexane	5.62	56	5051	1.473	ug/l #	20
36) 1,1-Dichloropropene	5.63	75	18188	4.449	ug/l #	52
38) Carbon Tetrachloride	5.63	117	24956	4.925	ug/l #	19
49) 1,4-Dioxane	7.71	88	46	0.985	ug/l #	1
56) Ethyl methacrylate	9.07	69	10705	5.214	ug/l #	64
59) 2-Hexanone	9.49	43	839	0.288	ug/l	85
64) Tetrachloroethene	9.32	164	33	Below Cal	#	42
76) 1,2,3-Trichloropropane	11.12	75	97243	21.490	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	97243	60.901	ug/l #	7
95) Naphthalene	13.82	128	417	3.104	ug/l #	78

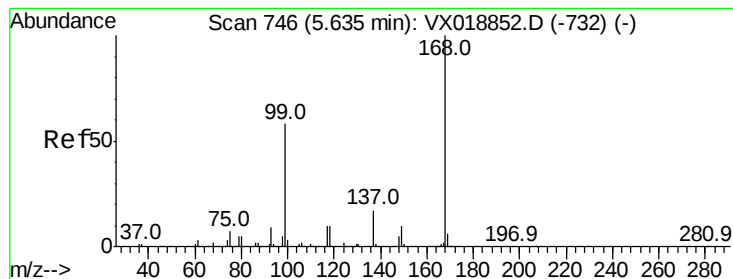
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampled :

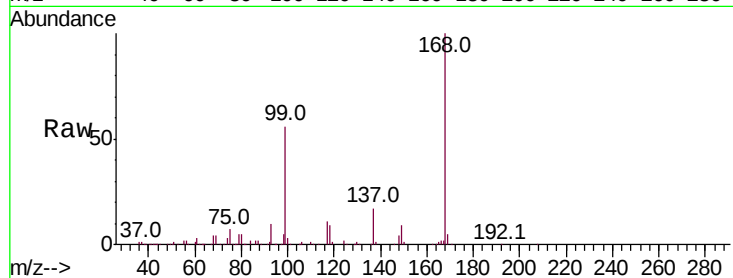
86-96-COMP

Tot Ion:168 Resp: 248859

Ion Ratio Lower Upper

168 100

99 56.3 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

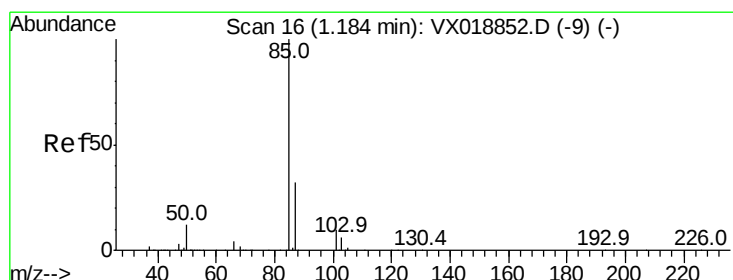
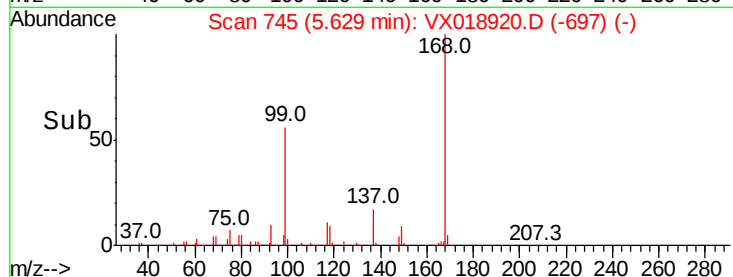
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.631 ug/l

RT: 1.29 min Scan# 34

Delta R.T. 0.11 min

Lab File: VX018920.D

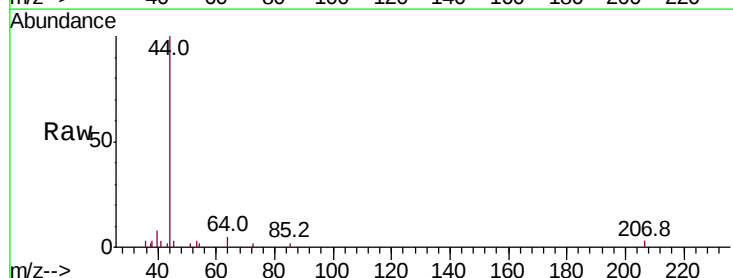
Acq: 12 Oct 2020 21:40

Tgt Ion: 85 Resp: 38

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

1.29

60

50

40

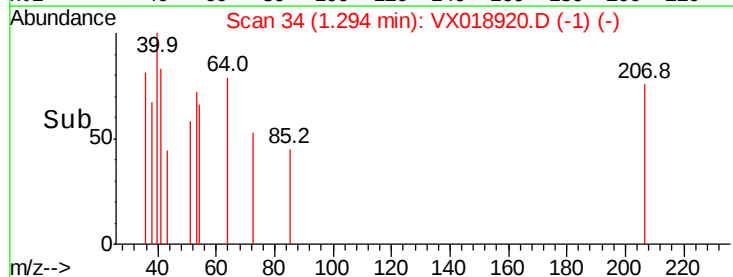
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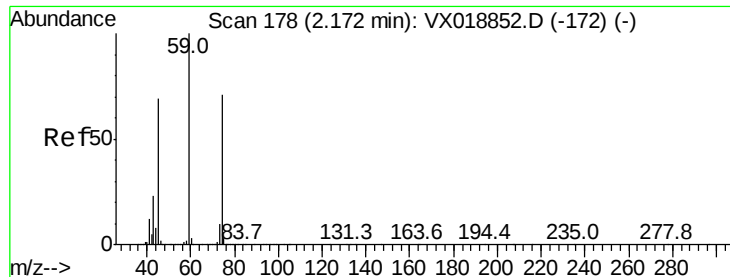
20

10

0

Time-->

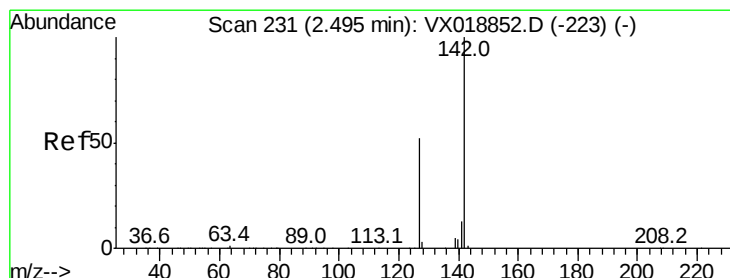
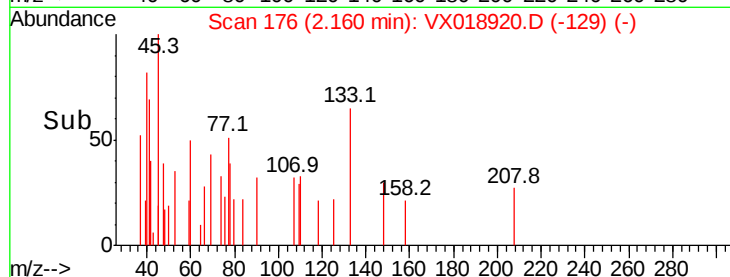
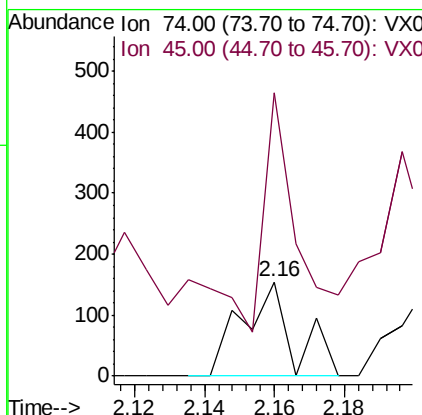
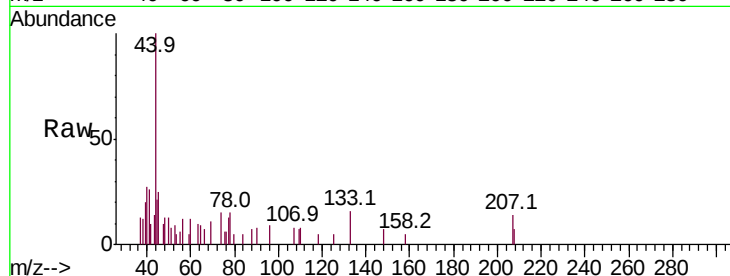




#8
Diethyl Ether
Concen: 1.139 ug/l
RT: 2.16 min Scan# 176
Delta R.T. -0.01 min
Lab File: VX018920.D
Acq: 12 Oct 2020 21:40

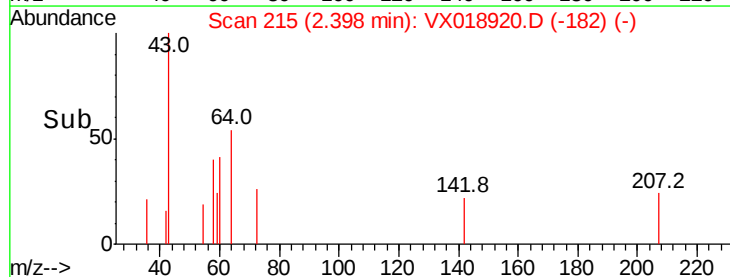
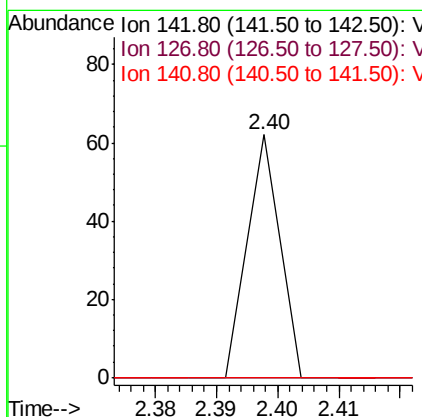
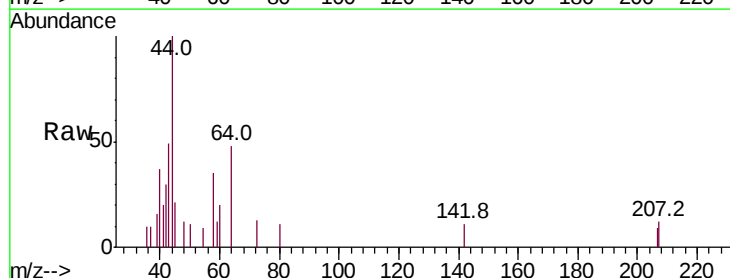
Instrument :
MSVOA_X
ClientSampleId :
86-96-COMP

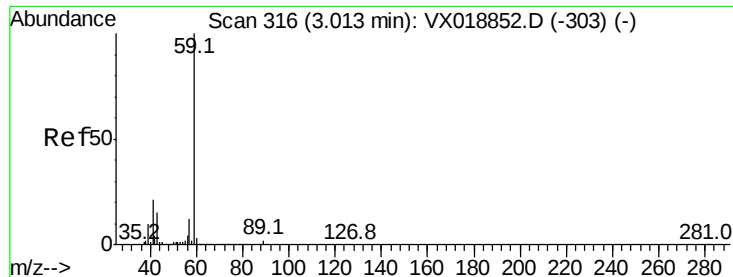
Tot Ion: 74 Resp: 159
Ion Ratio Lower Upper
74 100
45 88.7 47.0 141.2



#10
Methyl Iodide
Concen: 3.999 ug/l
RT: 2.40 min Scan# 215
Delta R.T. -0.10 min
Lab File: VX018920.D
Acq: 12 Oct 2020 21:40

Tgt Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 42.0 63.0#
141 0.0 11.8 17.6#



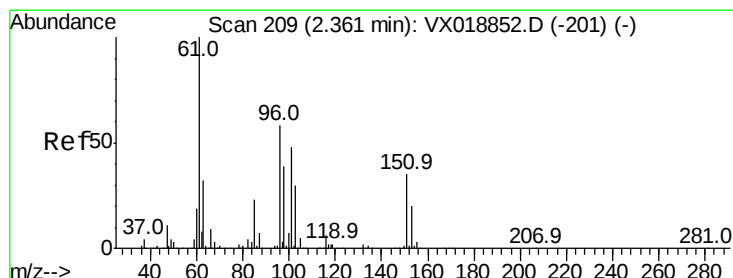
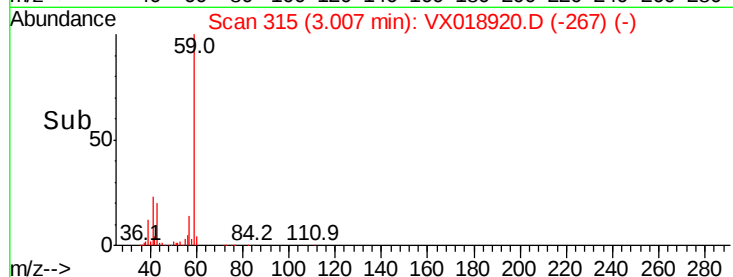
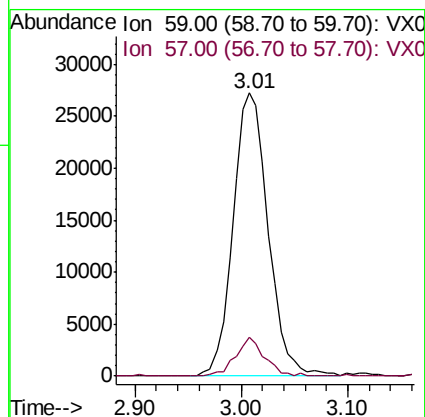
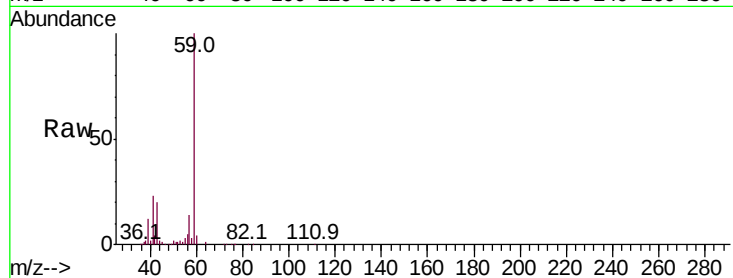


#11

Tert butyl alcohol
Concen: 108.669 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018920.D
Acq: 12 Oct 2020 21:40

Instrument :
MSVOA_X
ClientSampleId :
86-96-COMP

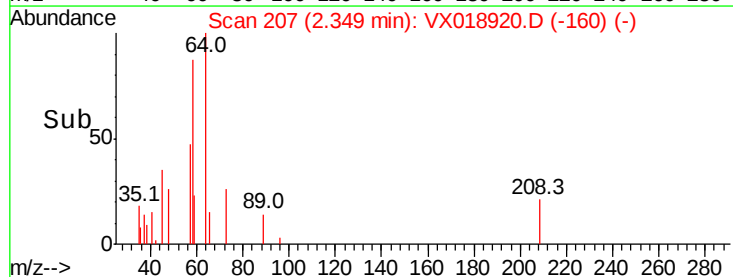
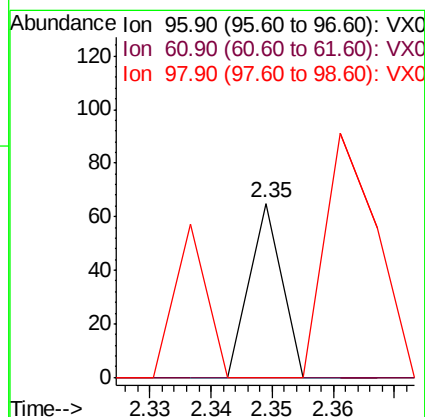
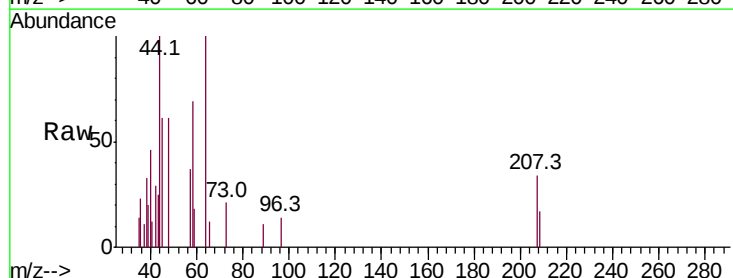
Tot Ion: 59 Resp: 62820
Ion Ratio Lower Upper
59 100
57 11.6 9.0 13.6

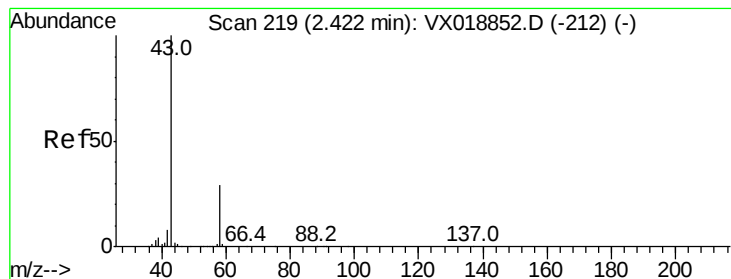


#12

1,1-Dichloroethene
Concen: 0.715 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX018920.D
Acq: 12 Oct 2020 21:40

Tgt Ion: 96 Resp: 24
Ion Ratio Lower Upper
96 100
61 0.0 137.0 205.6#
98 0.0 53.9 80.9#





#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampled :

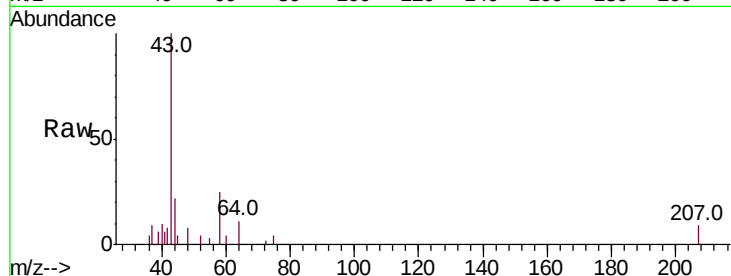
86-96-COMP

Tot Ion: 43 Resp: 4530

Ion Ratio Lower Upper

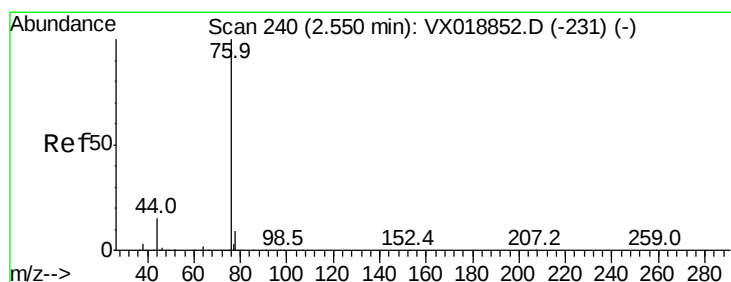
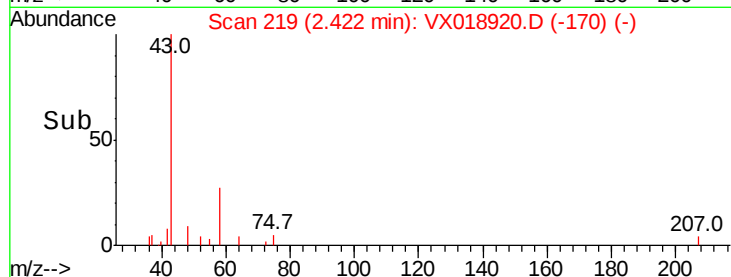
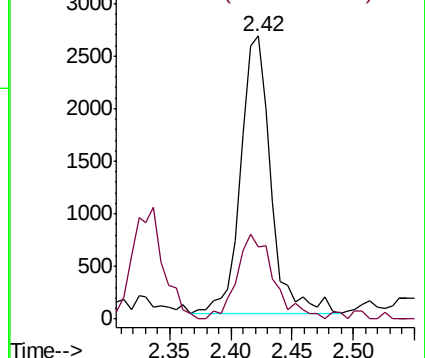
43 100

58 23.9 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.387 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018920.D

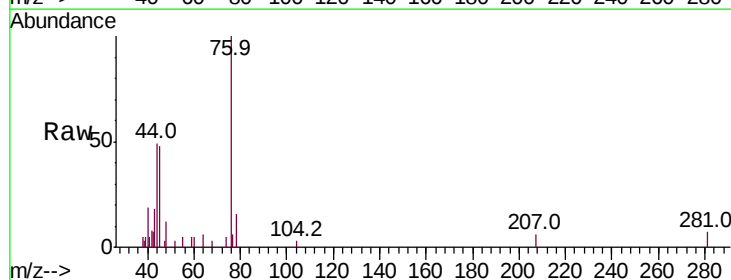
Acq: 12 Oct 2020 21:40

Tgt Ion: 76 Resp: 2610

Ion Ratio Lower Upper

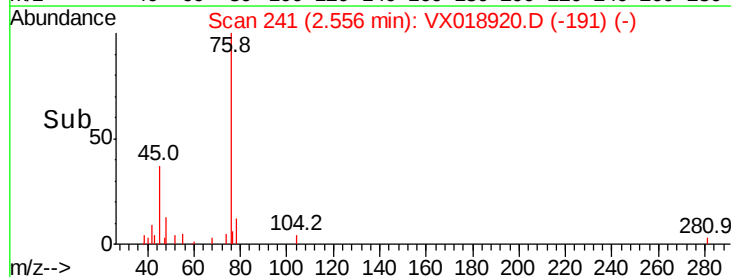
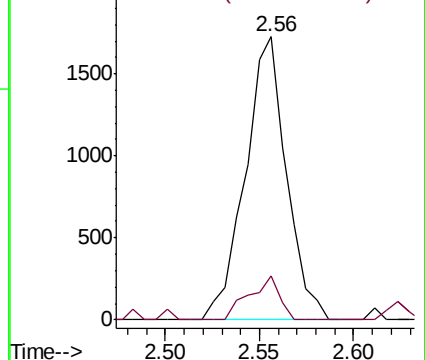
76 100

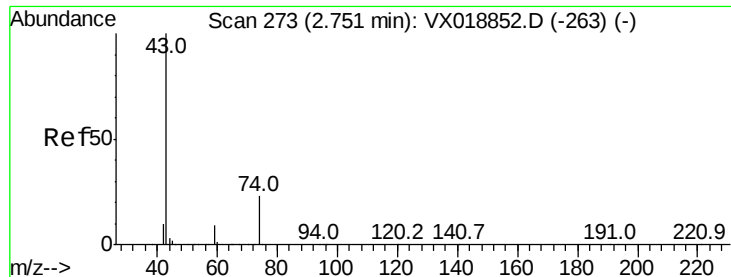
78 15.6 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

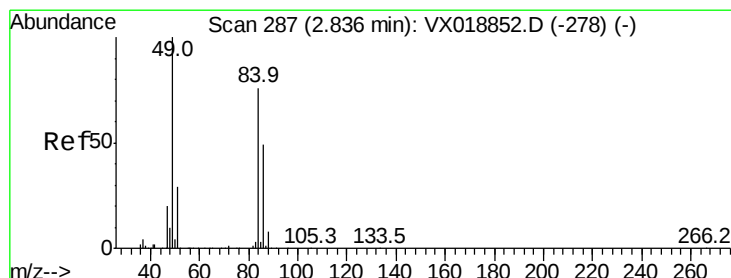
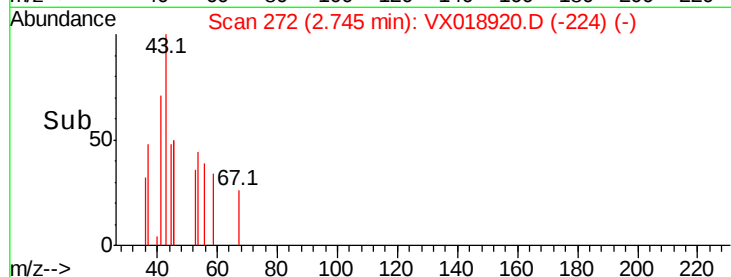
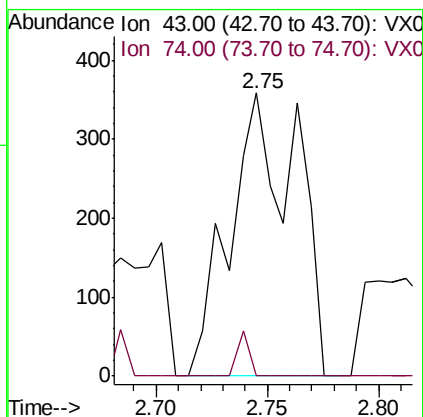
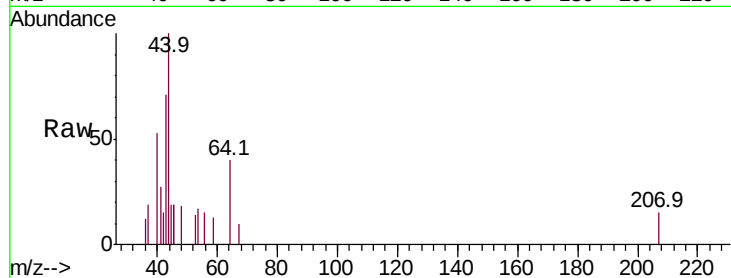




#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018920.D
Acq: 12 Oct 2020 21:40

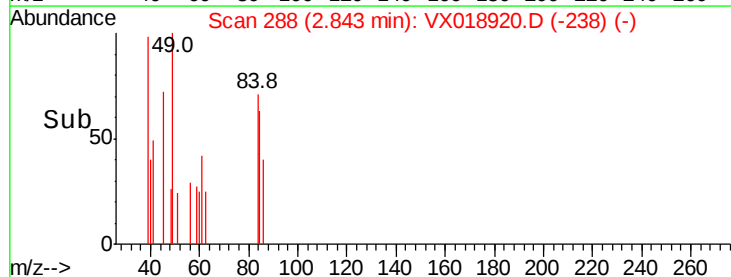
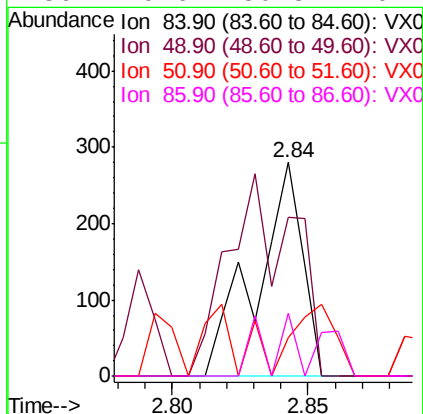
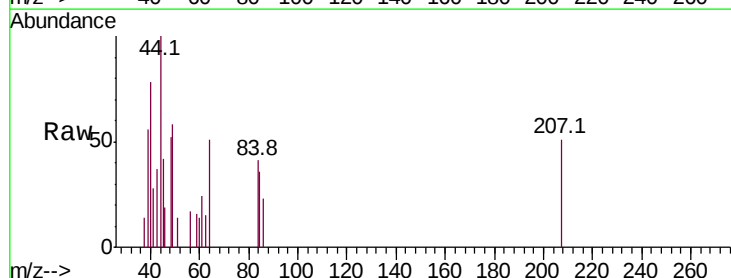
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86-96-COMP

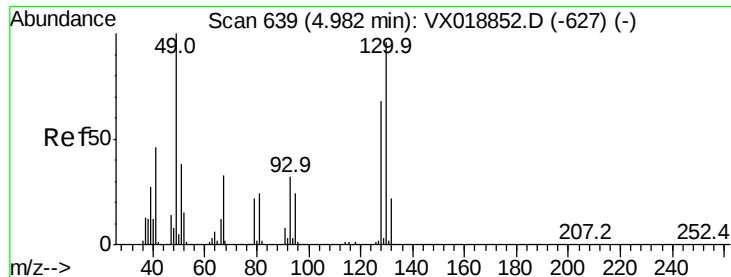
Tot Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
74 2.8 18.9 28.3#



#20
Methylene Chloride
Concen: 0.629 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018920.D
Acq: 12 Oct 2020 21:40

Tgt Ion: 84 Resp: 330
Ion Ratio Lower Upper
84 100
49 74.6 104.8 157.2#
51 18.2 30.6 46.0#
86 29.6 50.8 76.2#





#28

Bromochloromethane

Concen: 1.530 ug/l

RT: 4.97 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

86-96-COMP

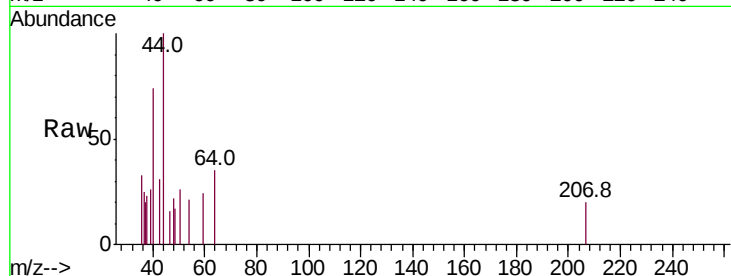
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

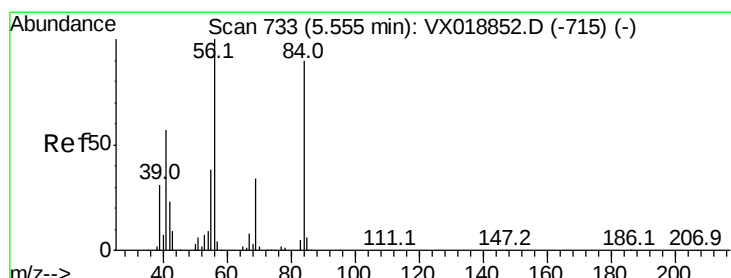
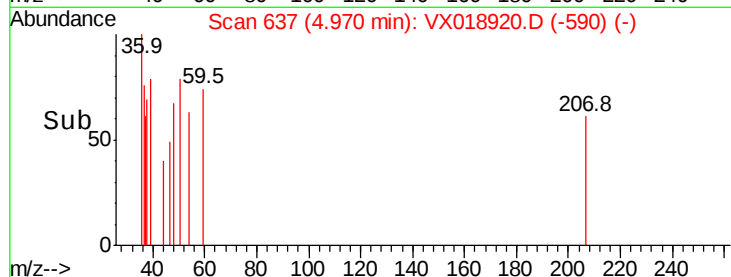
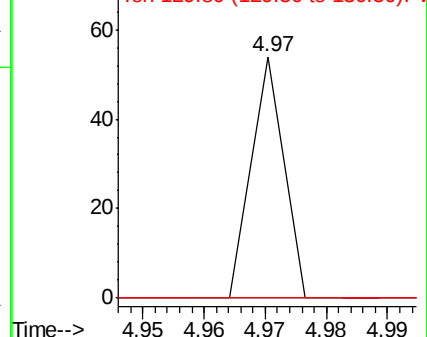
130 0.0 71.2 106.8#



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



#31

Cyclohexane

Concen: 1.473 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

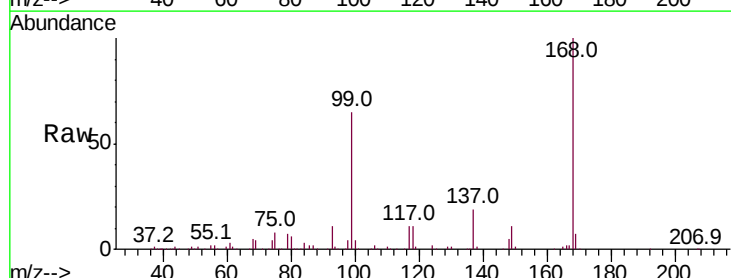
Tgt Ion: 56 Resp: 5051

Ion Ratio Lower Upper

56 100

69 175.7 27.1 40.7#

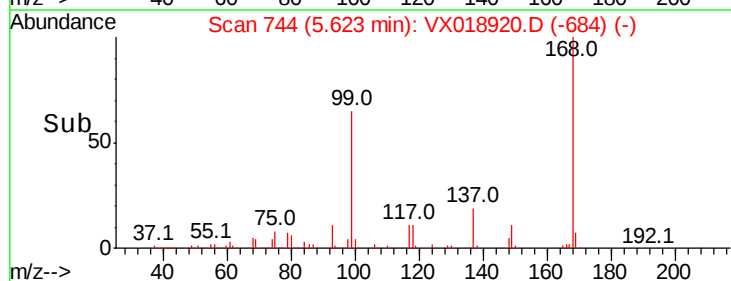
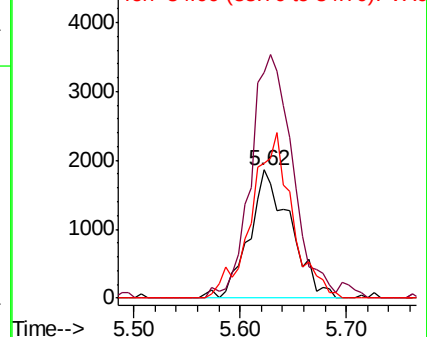
84 105.5 71.7 107.5

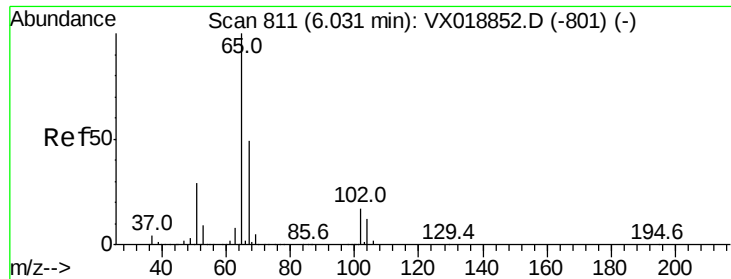


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

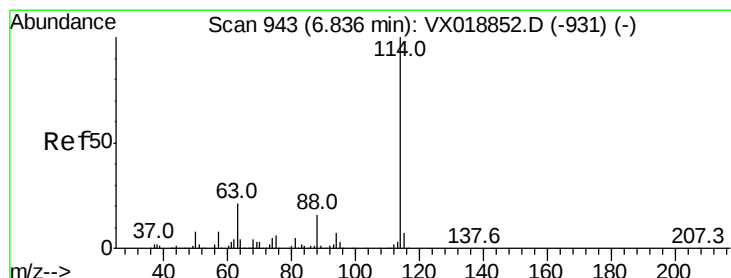
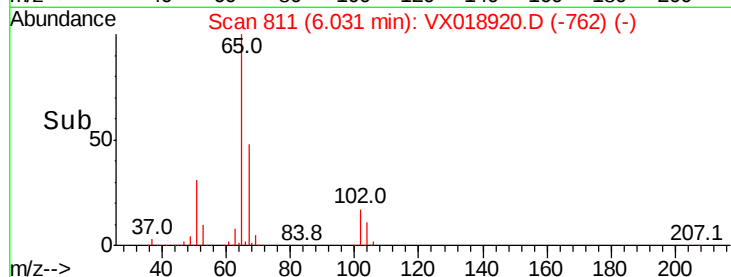
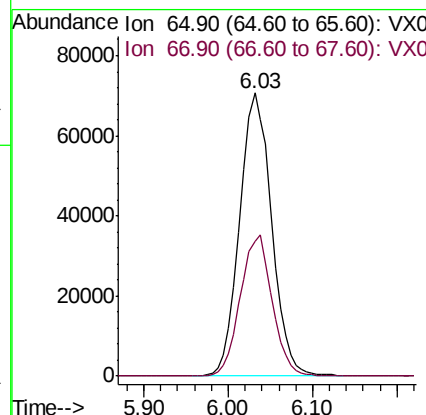
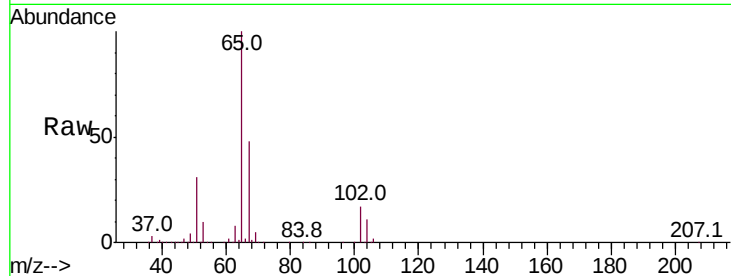




#33
 1,2-Dichloroethane-d4
 Concen: 49.517 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018920.D
 Acq: 12 Oct 2020 21:40

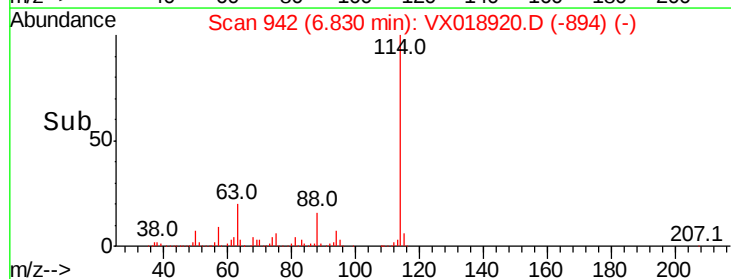
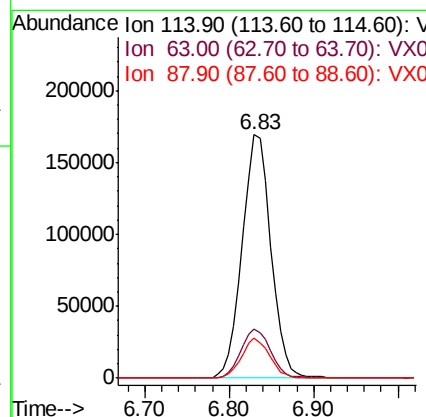
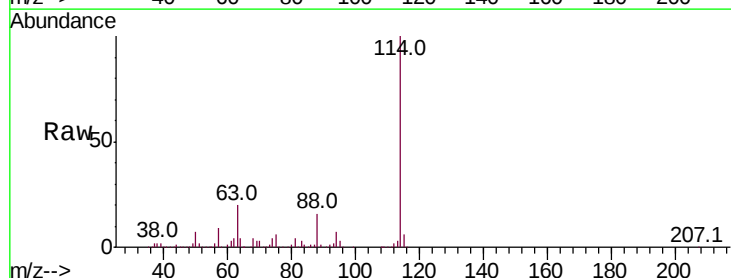
Instrument :
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 86-96-COMP

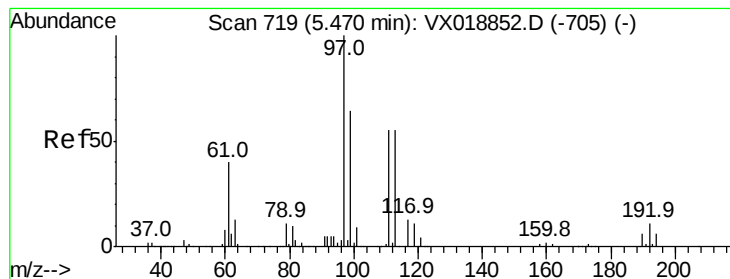
Tot Ion: 65 Resp: 181750
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018920.D
 Acq: 12 Oct 2020 21:40

Tgt Ion: 114 Resp: 388822
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.675 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

86-96-COMP

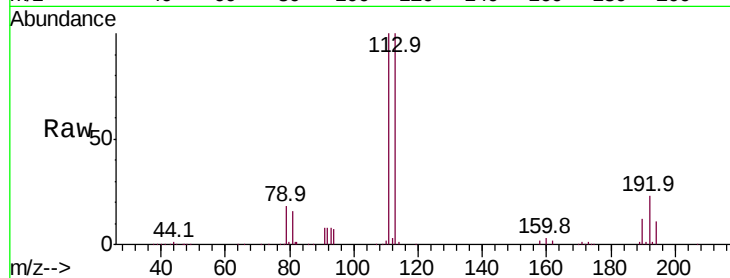
Tot Ion:113 Resp: 143191

Ion Ratio Lower Upper

113 100

111 100.9 80.1 120.1

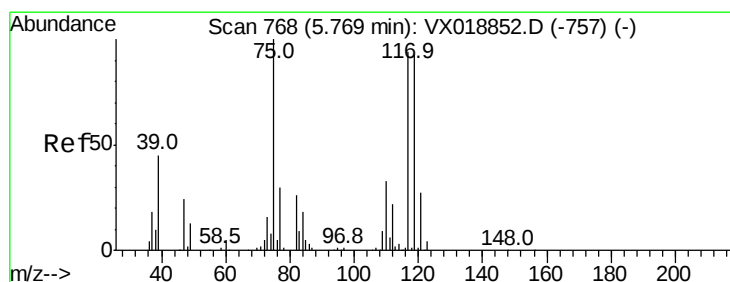
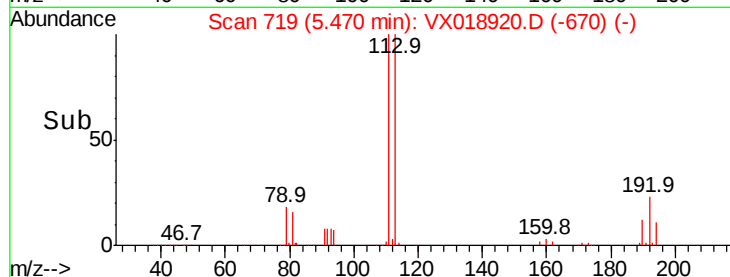
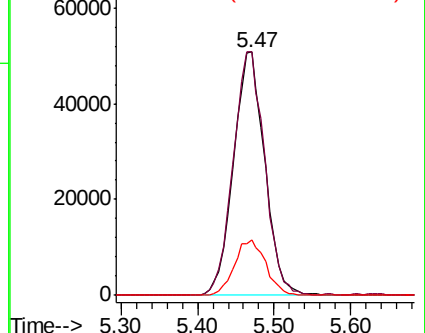
192 22.8 16.0 24.0



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: 4.449 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

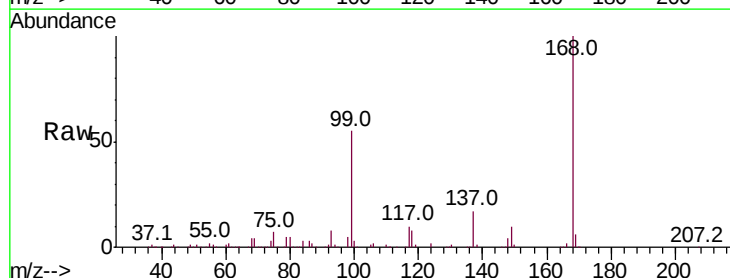
Tgt Ion: 75 Resp: 18188

Ion Ratio Lower Upper

75 100

110 10.9 17.8 53.5#

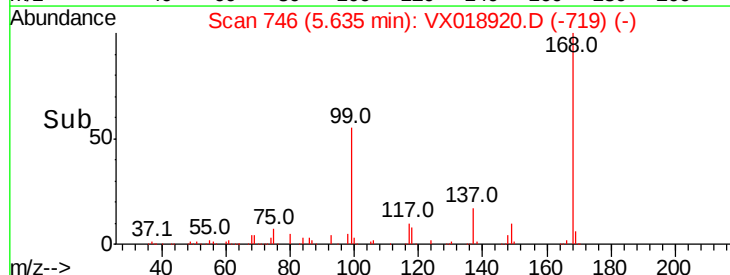
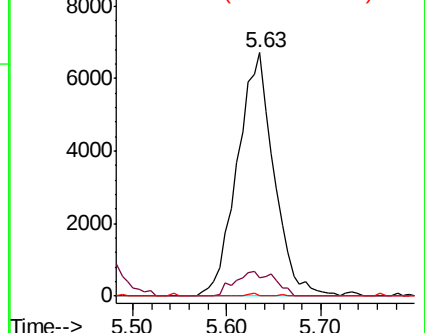
77 0.2 24.2 36.4#

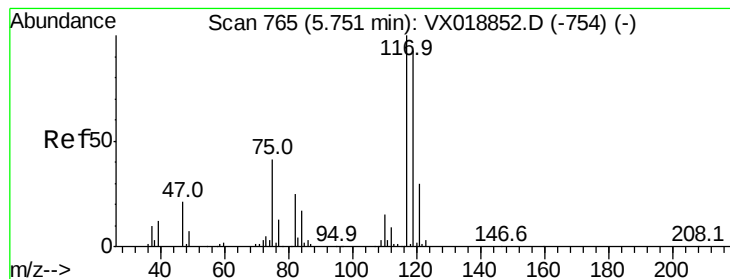


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.925 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampled :

86-96-COMP

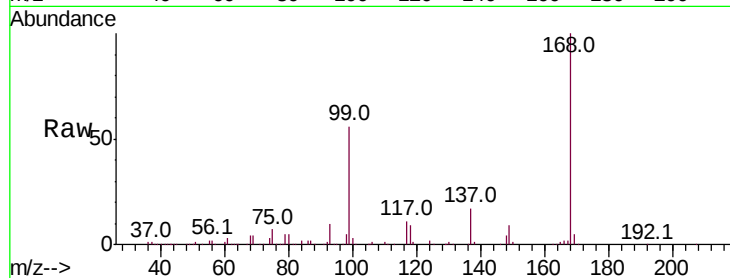
Tot Ion:117 Resp: 24956

Ion Ratio Lower Upper

117 100

119 6.6 73.9 110.9#

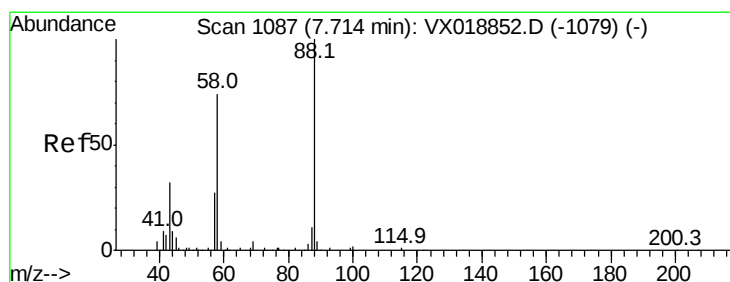
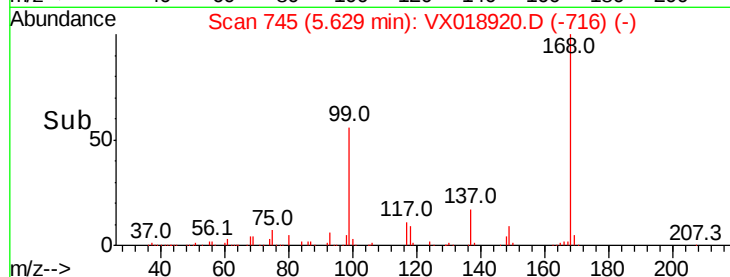
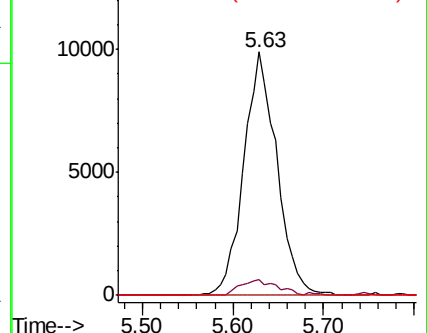
121 0.0 23.6 35.4#



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: 0.985 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

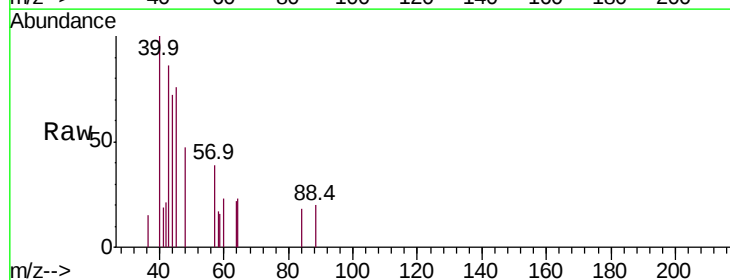
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 113.0 31.0 46.6#

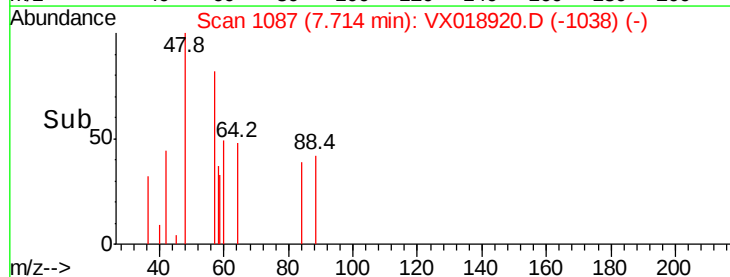
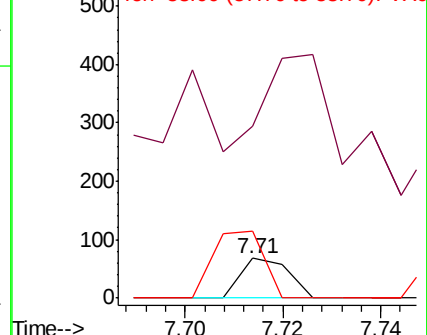
58 178.3 59.3 88.9#

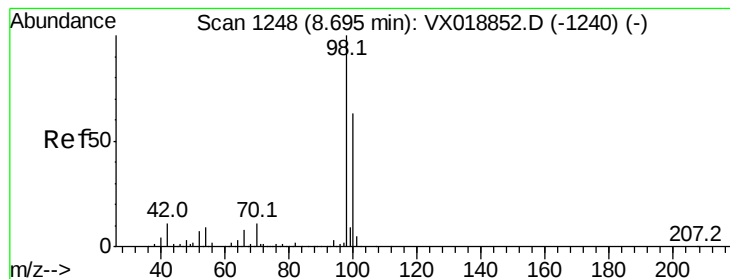


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.474 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

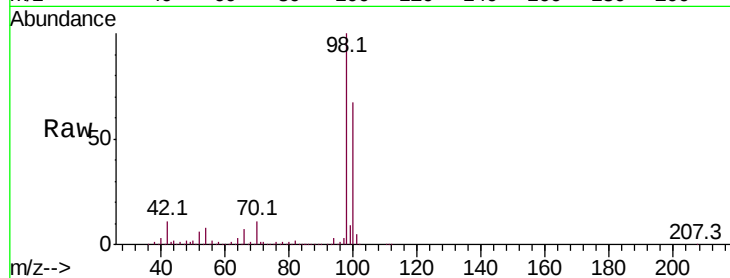
86-96-COMP

Tot Ion: 98 Resp: 485147

Ion Ratio Lower Upper

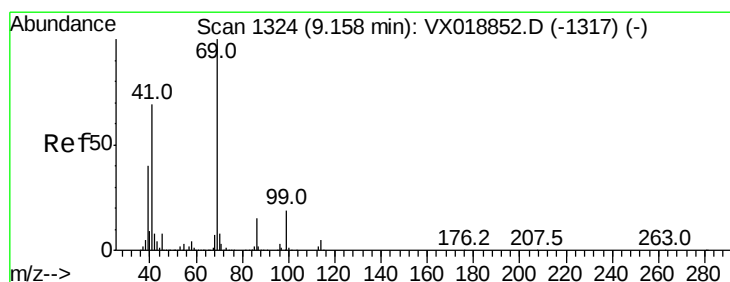
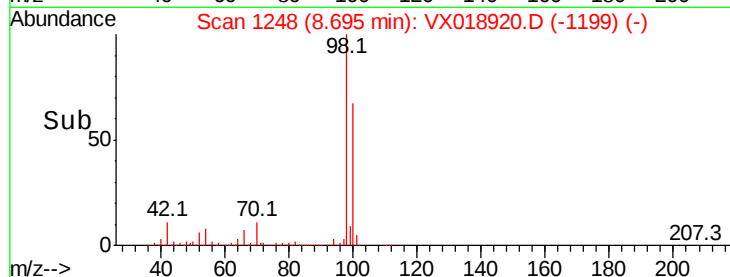
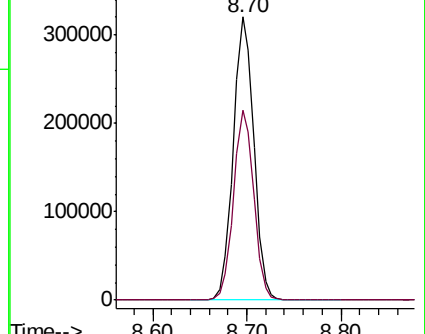
98 100

100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#56

Ethyl methacrylate

Concen: 5.214 ug/l

RT: 9.07 min Scan# 1309

Delta R.T. -0.09 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

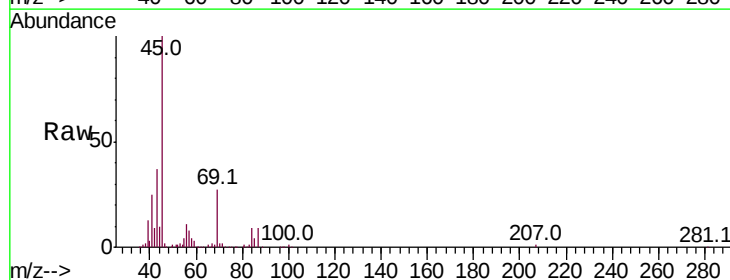
Tgt Ion: 69 Resp: 10705

Ion Ratio Lower Upper

69 100

41 104.5 54.6 81.8#

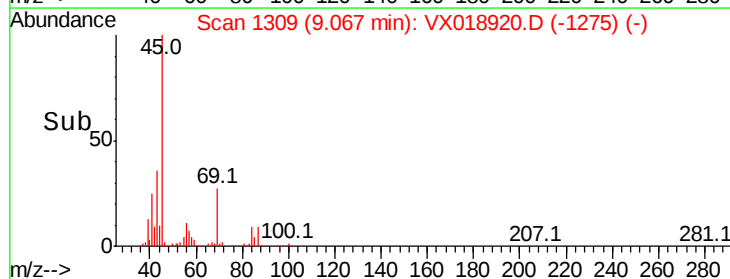
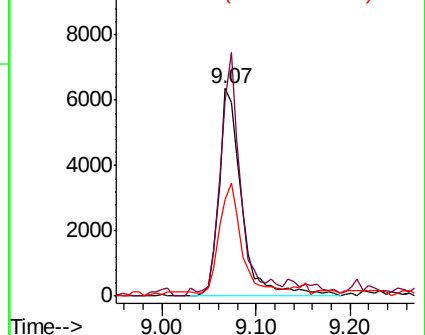
39 52.2 31.5 47.3#

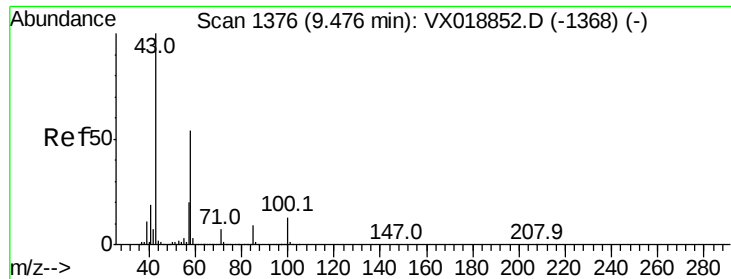


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#59

2-Hexanone

Concen: 0.288 ug/l

RT: 9.49 min Scan# 1378

Delta R.T. 0.01 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampled :

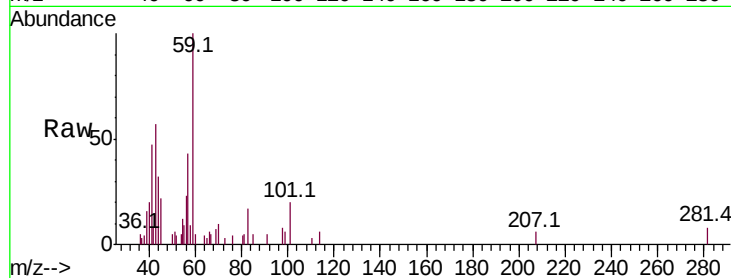
86-96-COMP

Tot Ion: 43 Resp: 839

Ion Ratio Lower Upper

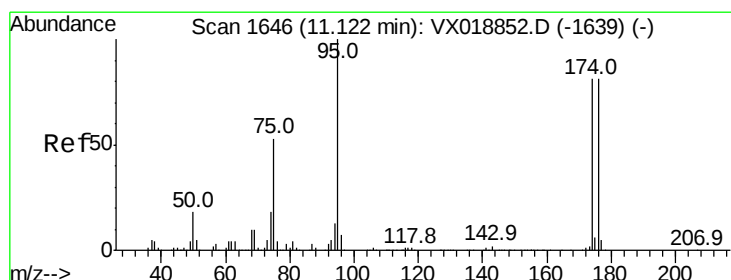
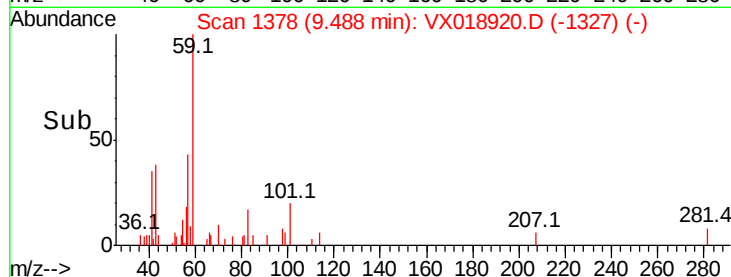
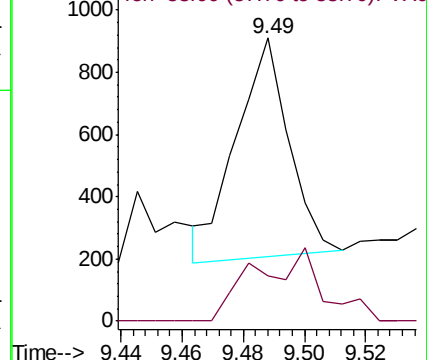
43 100

58 43.0 26.7 80.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 49.293 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

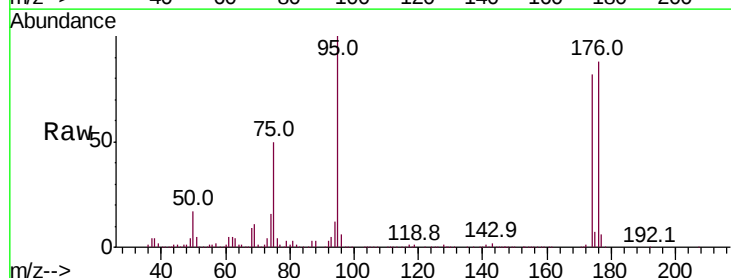
Tgt Ion: 95 Resp: 188834

Ion Ratio Lower Upper

95 100

174 88.2 0.0 160.0

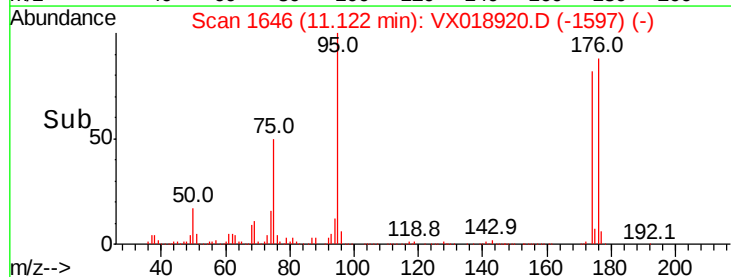
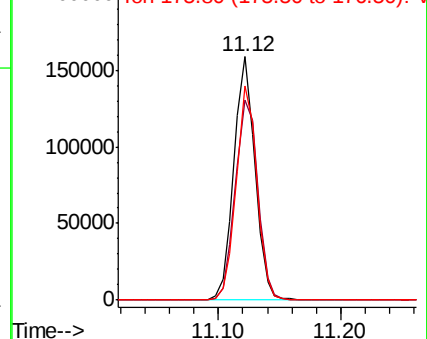
176 86.2 0.0 161.2

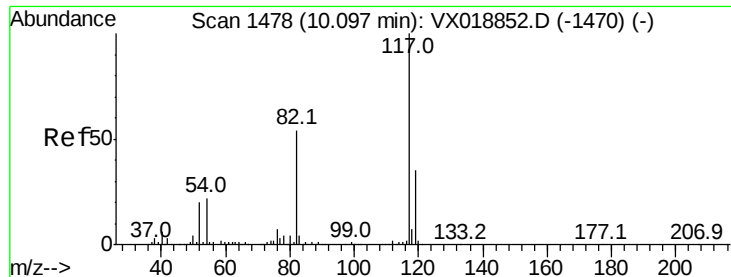


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

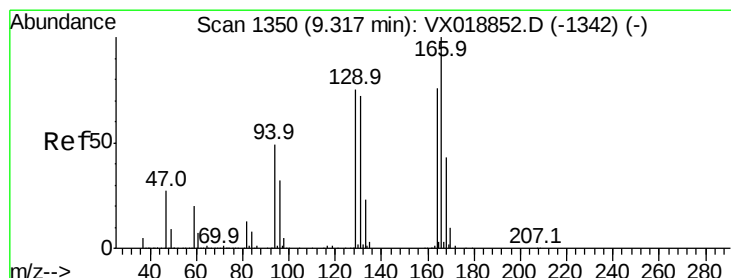
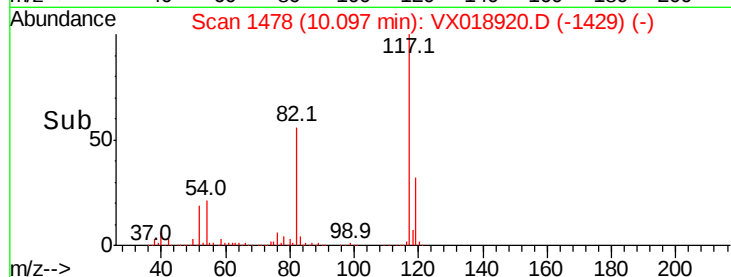
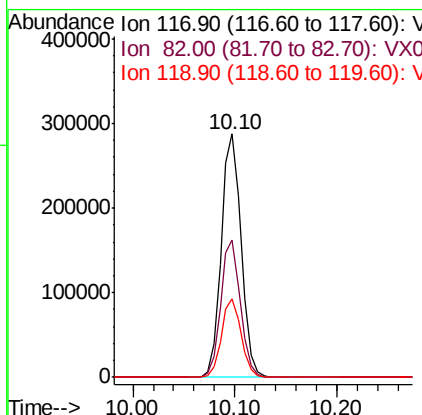
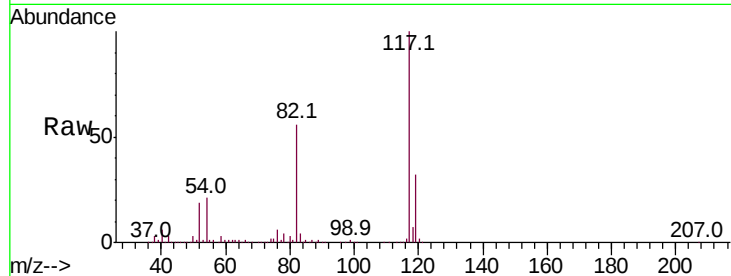




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018920.D
Acq: 12 Oct 2020 21:40

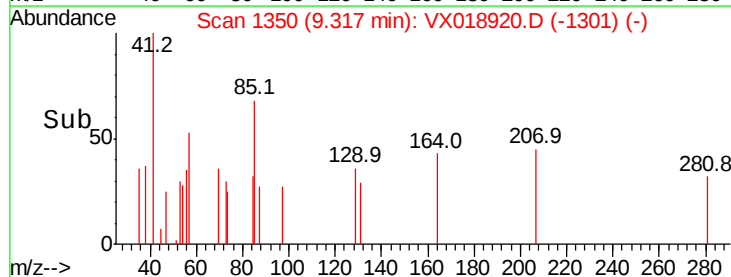
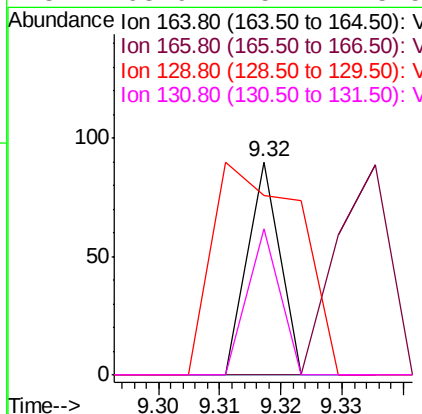
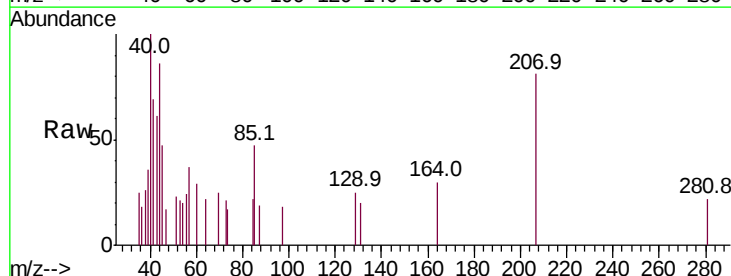
Instrument :
MSVOA_X
ClientSampleId :
86-96-COMP

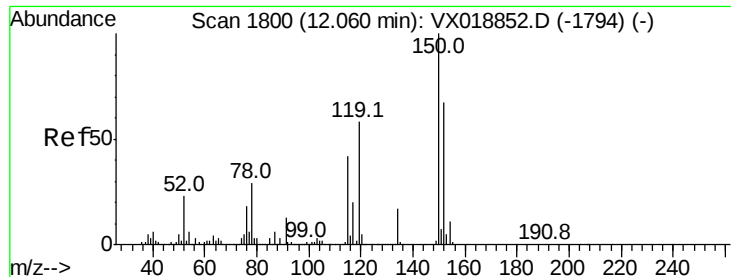
Tot Ion:117 Resp: 391605
Ion Ratio Lower Upper
117 100
82 56.5 43.4 65.2
119 32.2 28.3 42.5



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018920.D
Acq: 12 Oct 2020 21:40

Tgt Ion:164 Resp: 33
Ion Ratio Lower Upper
164 100
166 0.0 105.4 158.0#
129 84.4 79.0 118.6
131 68.9 75.7 113.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

86-96-COMP

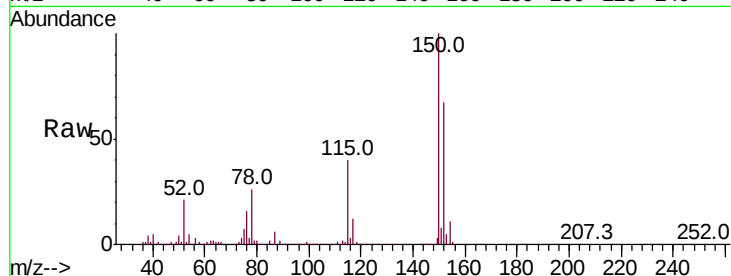
Tot Ion:152 Resp: 210012

Ion Ratio Lower Upper

152 100

115 56.8 41.8 125.4

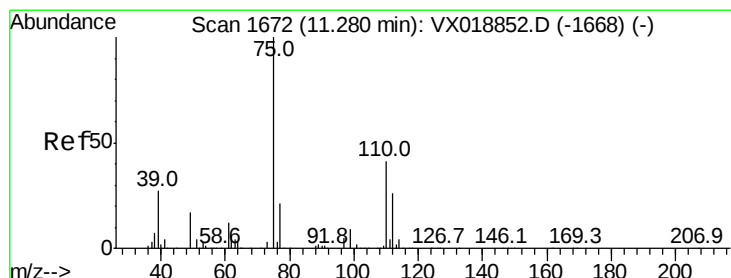
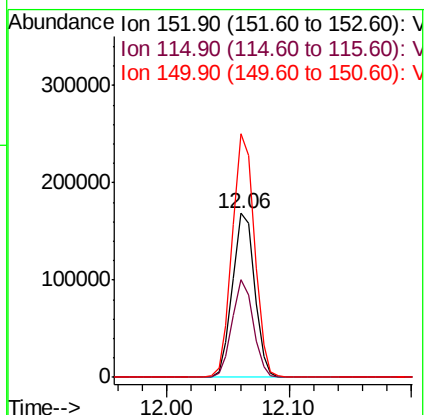
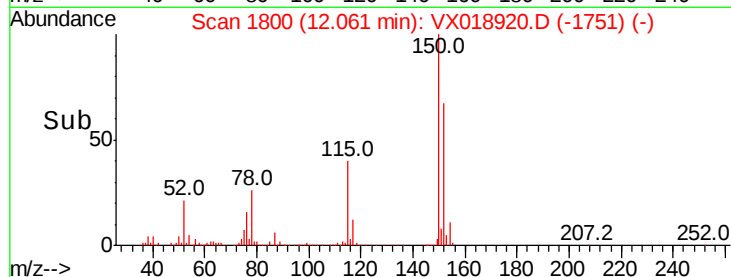
150 148.8 0.0 347.6



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: 21.490 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018920.D

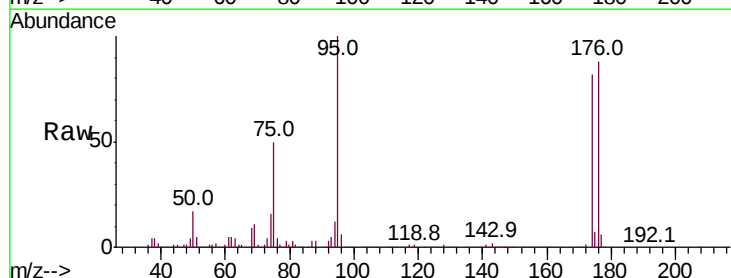
Acq: 12 Oct 2020 21:40

Tgt Ion: 75 Resp: 97243

Ion Ratio Lower Upper

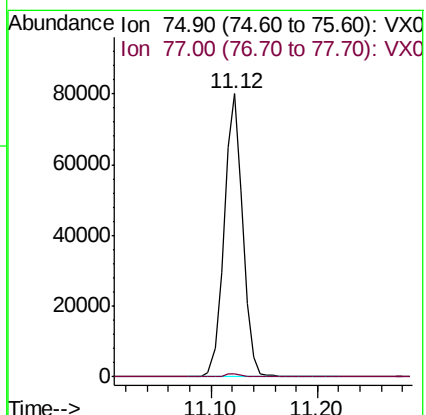
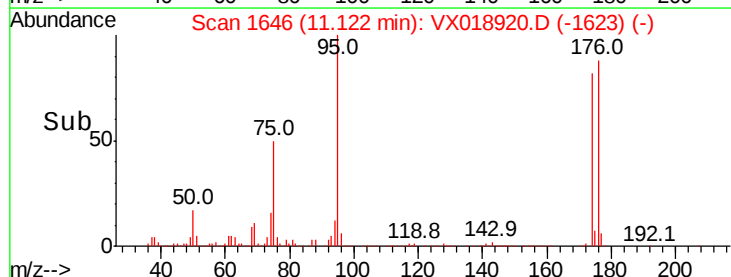
75 100

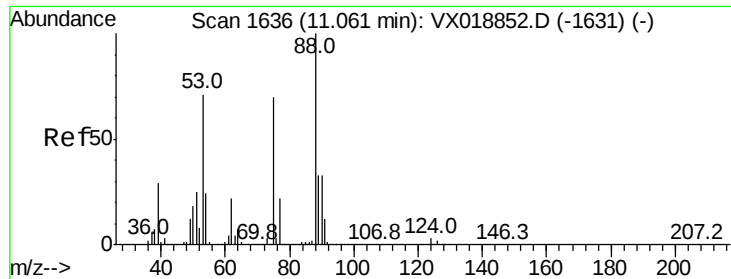
77 1.3 20.2 60.6#



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: 60.901 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

86-96-COMP

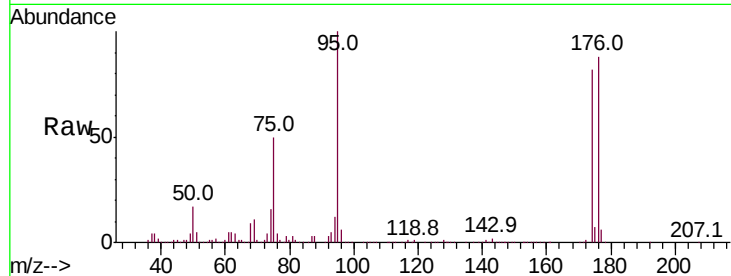
Tot Ion: 75 Resp: 97243

Ion Ratio Lower Upper

75 100

53 0.5 85.0 127.4#

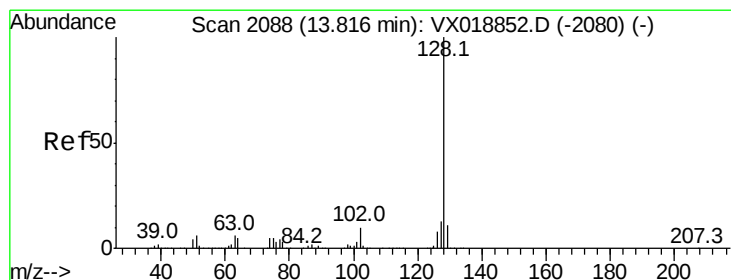
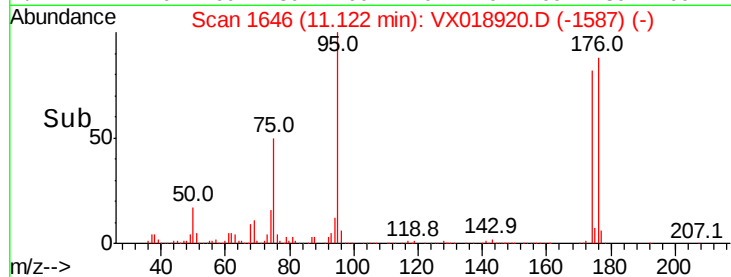
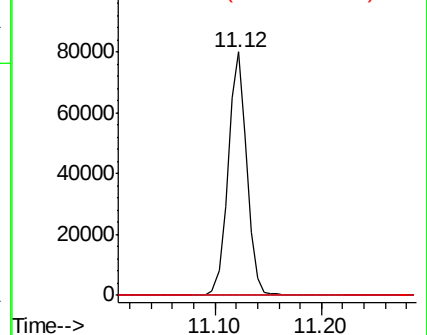
89 0.0 39.0 58.4#



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



#95

Naphthalene

Concen: 3.104 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018920.D

Acq: 12 Oct 2020 21:40

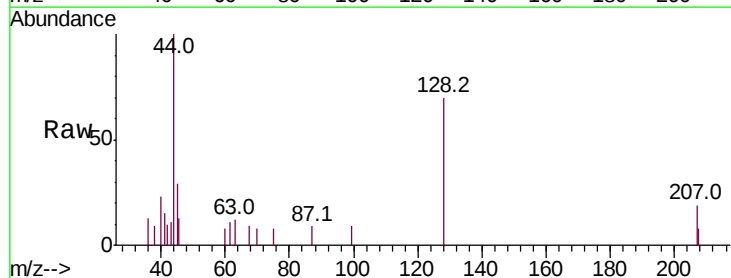
Tgt Ion: 128 Resp: 417

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 6.7 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

