

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100920\
 Data File : VX018891.D
 Acq On : 10 Oct 2020 06:14
 Operator : JC/SP
 Sample : L4255-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ-459S-20200928

Quant Time: Oct 10 07:53:44 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	189422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	313133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	299495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	155021	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	150872	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
35) Dibromofluoromethane	5.47	113	114010	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	8.70	98	388226	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.12	95	147553	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

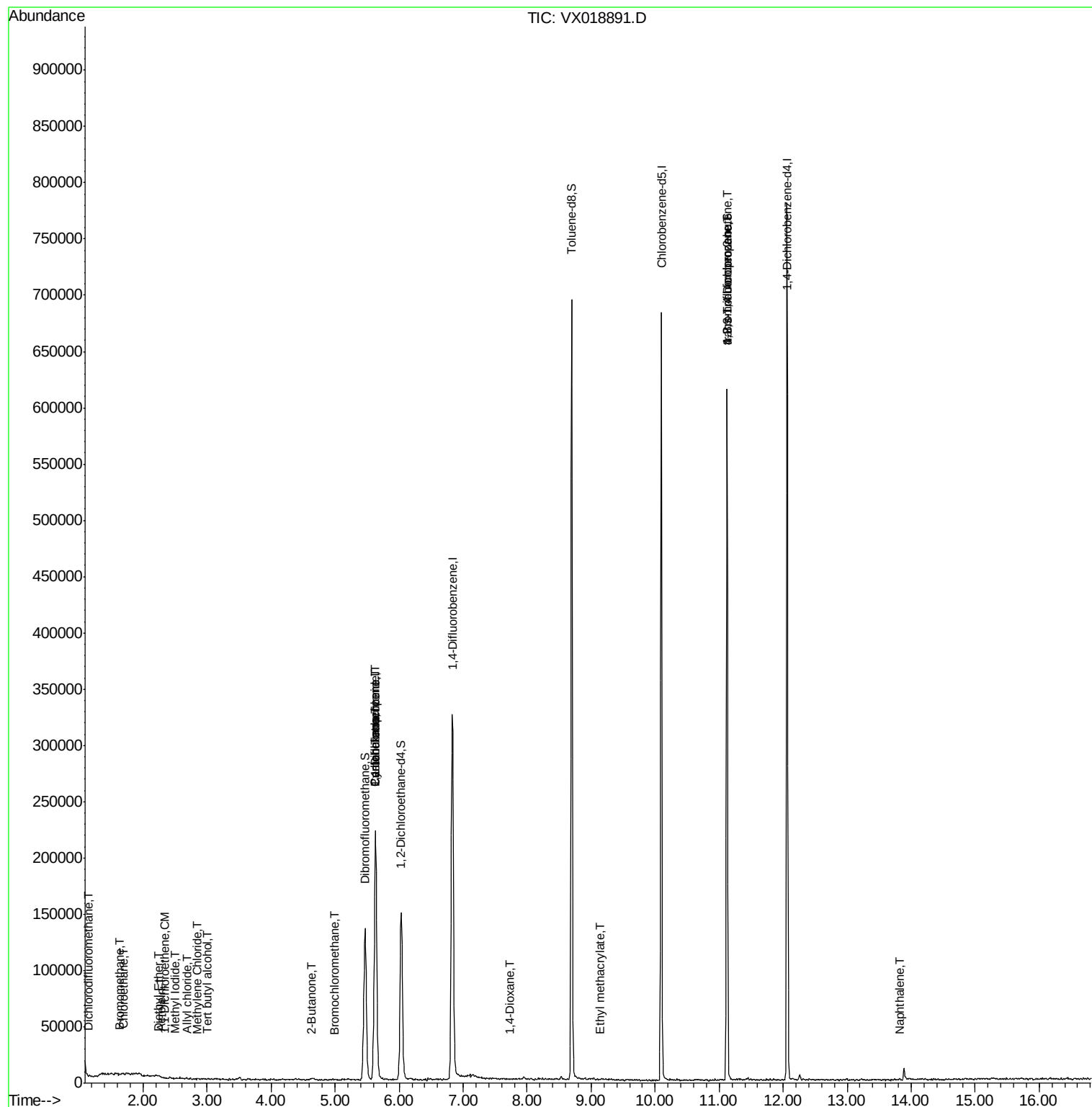
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.15	85	38	1.635	ug/l #	43
5) Bromomethane	1.64	94	344	0.311	ug/l #	44
6) Chloroethane	1.70	64	328	0.247	ug/l #	88
8) Diethyl Ether	2.25	74	172	1.184	ug/l	93
10) Methyl Iodide	2.50	142	22	4.001	ug/l #	34
11) Tert butyl alcohol	3.01	59	493	1.120	ug/l	98
12) 1,1-Dichloroethene	2.34	96	65	0.741	ug/l #	73
13) Acrolein	2.27	56	91	0.249	ug/l #	16
14) Allyl chloride	2.68	41	635	0.200	ug/l #	46
16) Acetone	2.42	43	2085	Below Cal		94
20) Methylene Chloride	2.84	84	58	0.533	ug/l #	55
25) 2-Butanone	4.62	43	303	0.200	ug/l #	50
28) Bromochloromethane	4.98	49	226	1.652	ug/l #	8
31) Cyclohexane	5.63	56	4965	1.903	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	15546	4.722	ug/l #	52
38) Carbon Tetrachloride	5.62	117	21236	5.204	ug/l #	19
49) 1,4-Dioxane	7.73	88	108	2.873	ug/l #	18
56) Ethyl methacrylate	9.13	69	59	2.950	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	80428	24.079	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	80428	68.238	ug/l #	8
95) Naphthalene	13.82	128	306	3.104	ug/l #	70

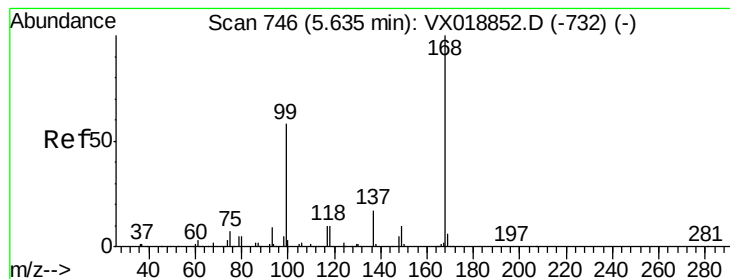
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100920\
Data File : VX018891.D
Acq On : 10 Oct 2020 06:14
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Quant Time: Oct 10 07:53:44 2020
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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: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

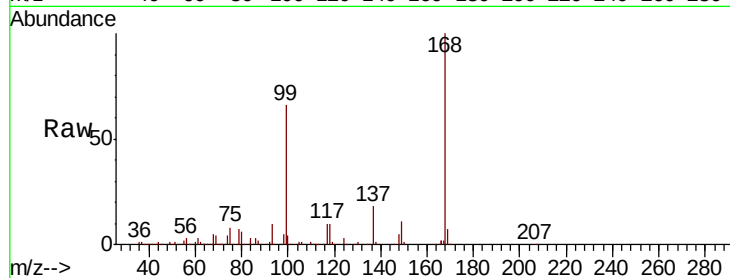
FT-PZ-459S-20200928

Tot Ion:168 Resp: 189422

Ion Ratio Lower Upper

168 100

99 65.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

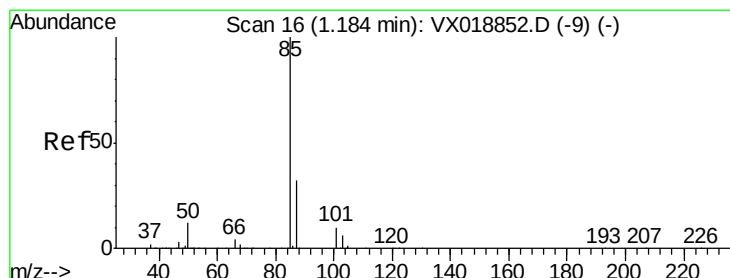
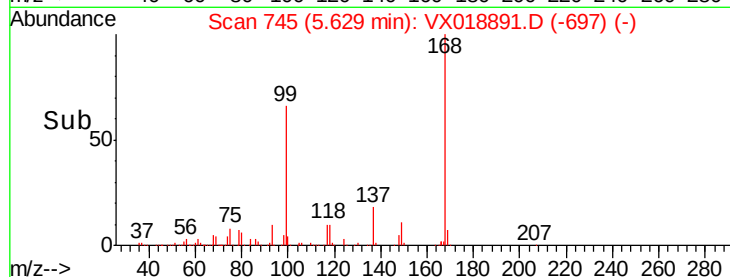
40000

20000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.635 ug/l

RT: 1.15 min Scan# 10

Delta R.T. -0.04 min

Lab File: VX018891.D

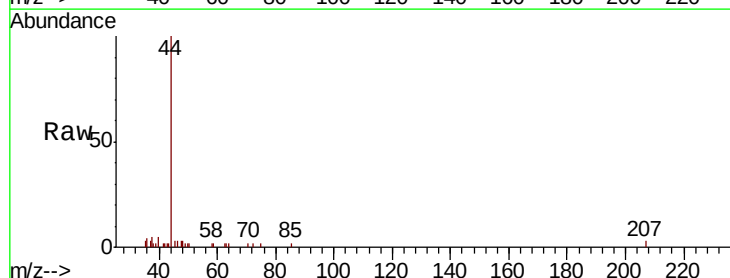
Acq: 10 Oct 2020 06:14

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

60

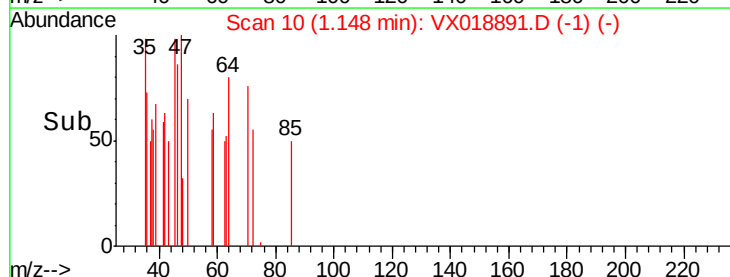
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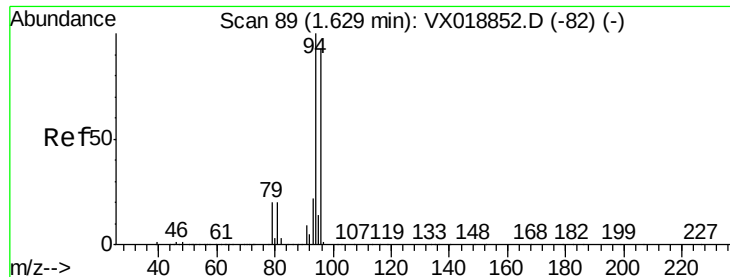
20

0

1.13 1.14 1.15 1.16 1.17

Time-->





#5

Bromomethane

Concen: 0.311 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

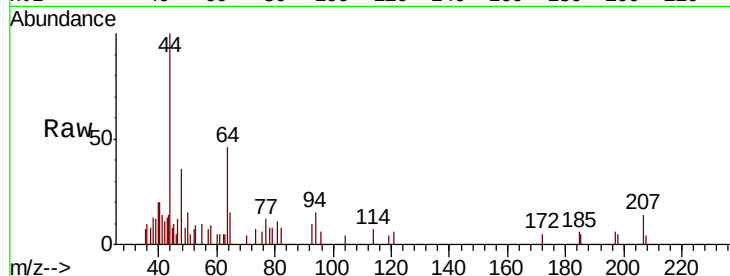
FT-PZ-459S-20200928

Tot Ion: 94 Resp: 344

Ion Ratio Lower Upper

94 100

96 39.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

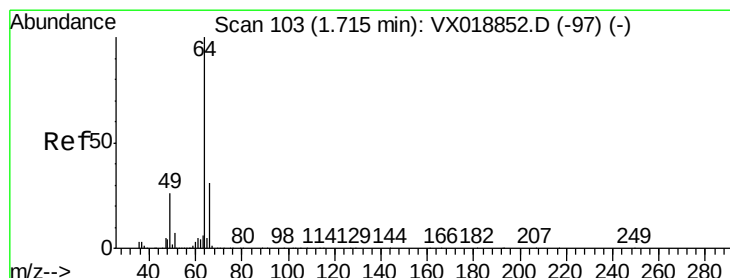
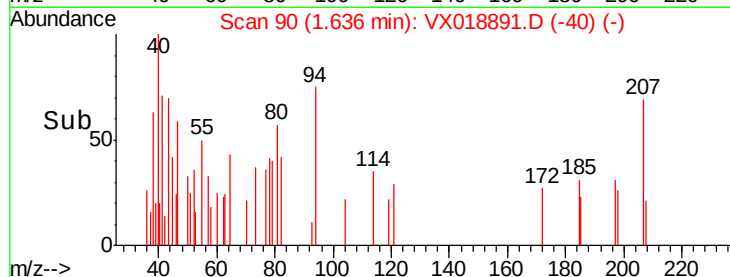
Ion 95.90 (95.60 to 96.60): VX0

1.64

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.247 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX018891.D

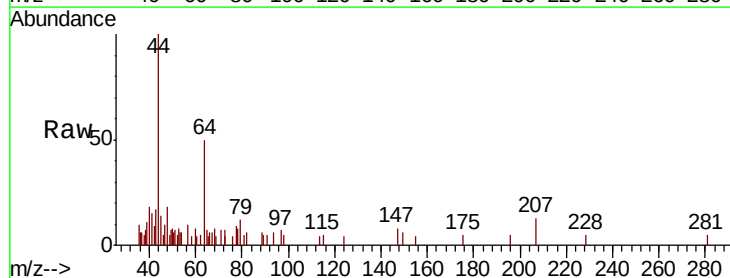
Acq: 10 Oct 2020 06:14

Tgt Ion: 64 Resp: 328

Ion Ratio Lower Upper

64 100

66 24.1 24.7 37.1#



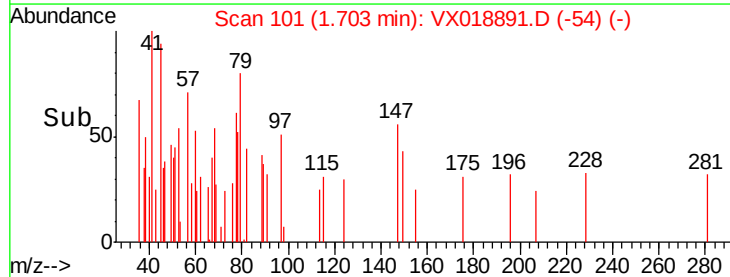
Abundance Ion 63.90 (63.60 to 64.60): VX0

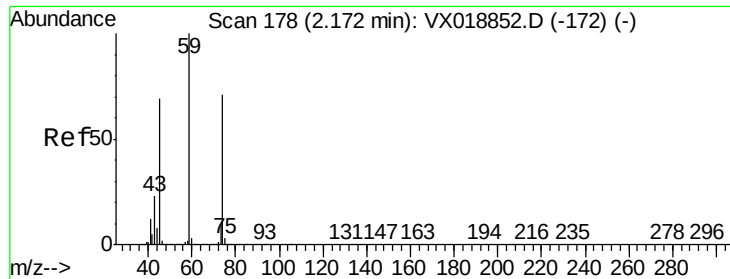
Ion 65.90 (65.60 to 66.60): VX0

1.70

1.72

Time-->





#8

Diethyl Ether

Concen: 1.184 ug/l

RT: 2.25 min Scan# 191

Delta R.T. 0.08 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

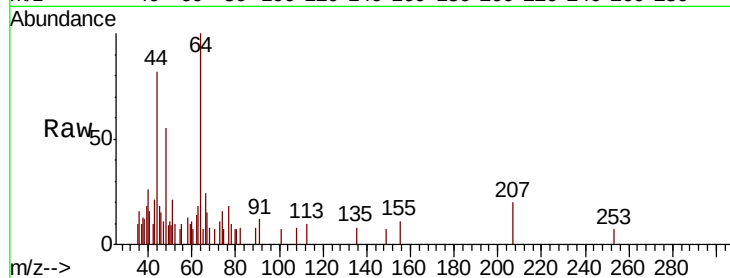
FT-PZ-459S-20200928

Tot Ion: 74 Resp: 172

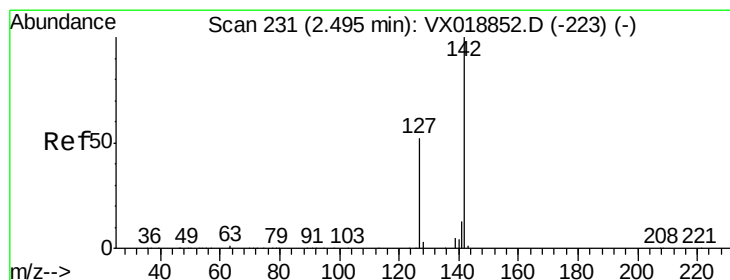
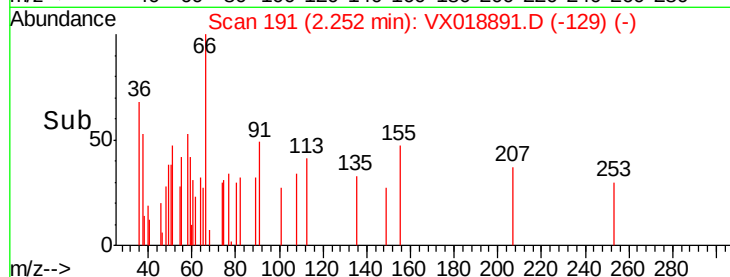
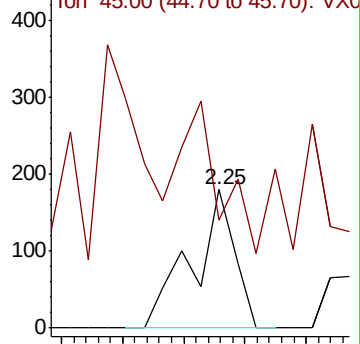
Ion Ratio Lower Upper

74 100

45 100.6 47.0 141.2



Abundance Ion 74.00 (73.70 to 74.70): VX0



#10

Methyl Iodide

Concen: 4.001 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

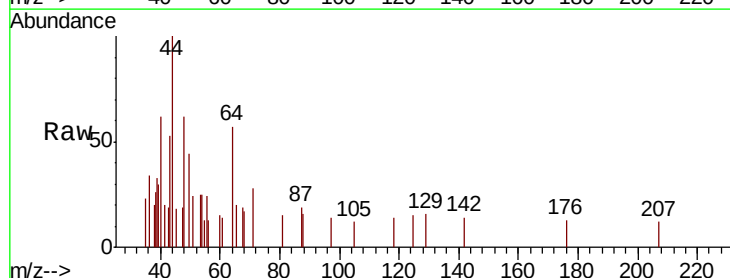
Tgt Ion: 142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 42.0 63.0#

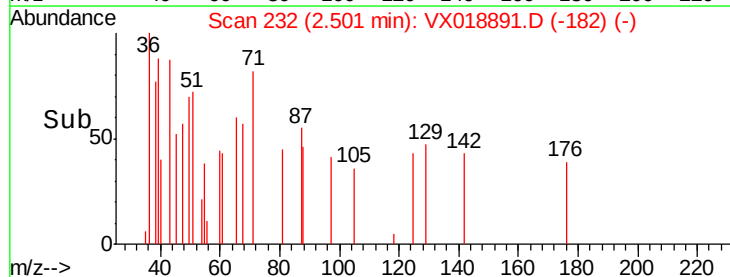
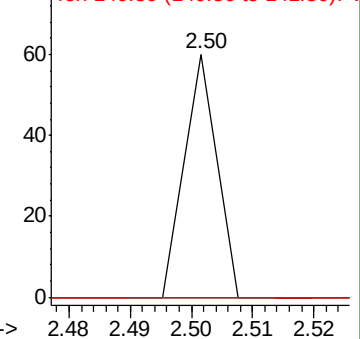
141 0.0 11.8 17.6#

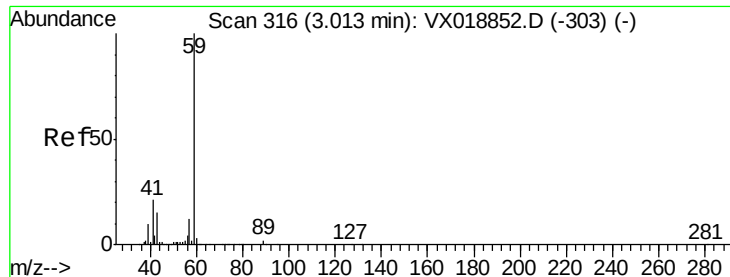


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

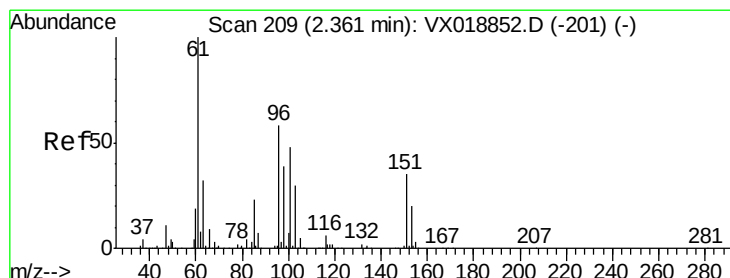
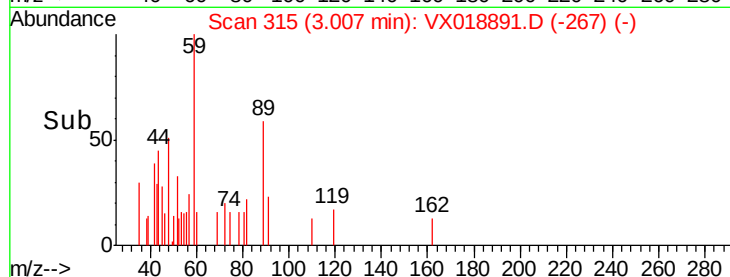
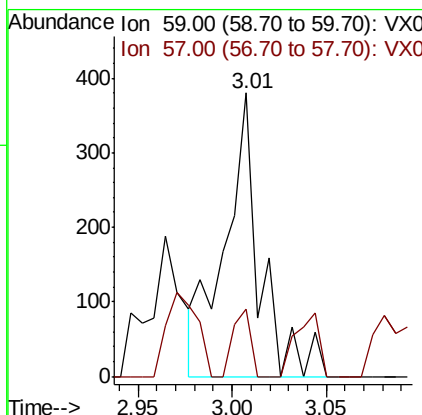
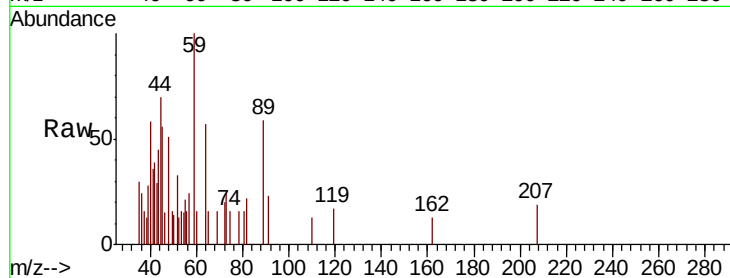




#11
Tert butyl alcohol
Concen: 1.120 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018891.D
Acq: 10 Oct 2020 06:14

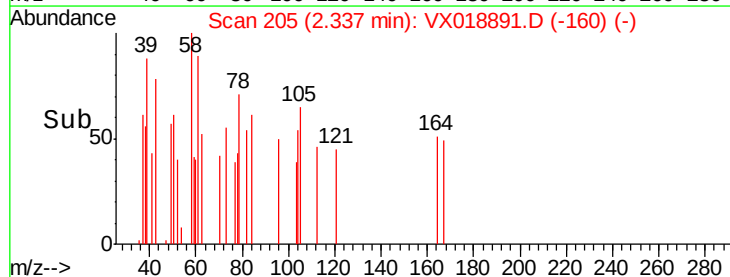
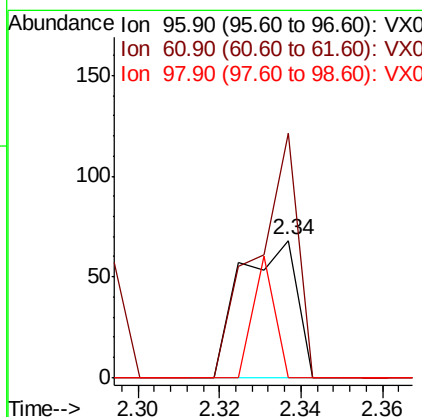
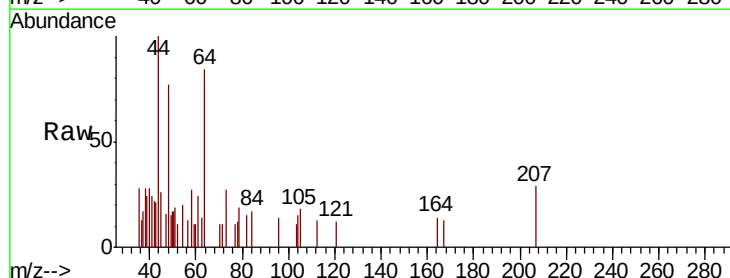
Instrument :
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ClientSampleId :
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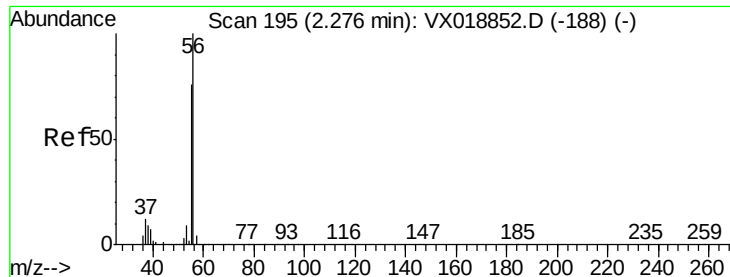
Tot Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 12.0 9.0 13.6



#12
1,1-Dichloroethene
Concen: 0.741 ug/l
RT: 2.34 min Scan# 205
Delta R.T. -0.02 min
Lab File: VX018891.D
Acq: 10 Oct 2020 06:14

Tgt Ion: 96 Resp: 65
Ion Ratio Lower Upper
96 100
61 177.9 137.0 205.6
98 0.0 53.9 80.9#





#13

Acrolein

Concen: 0.249 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

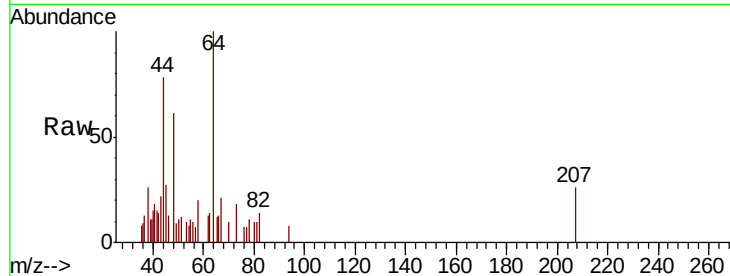
FT-PZ-459S-20200928

Tot Ion: 56 Resp: 91

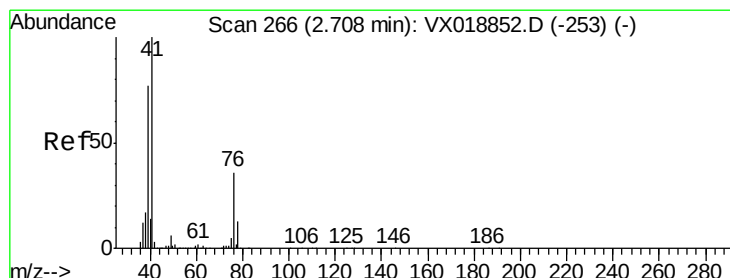
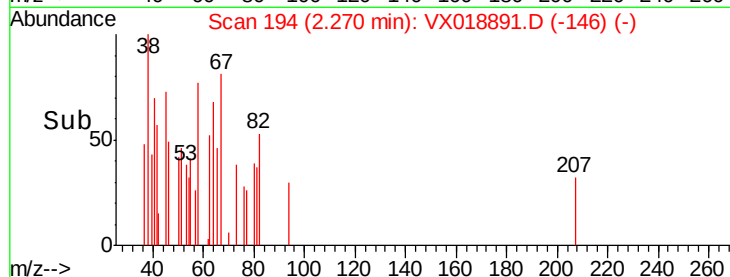
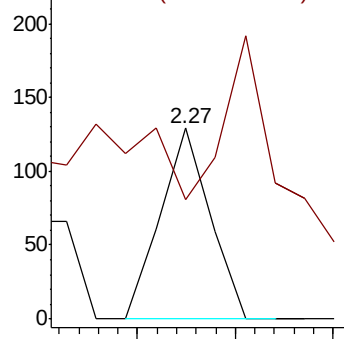
Ion Ratio Lower Upper

56 100

55 144.0 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#14

Allyl chloride

Concen: 0.200 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

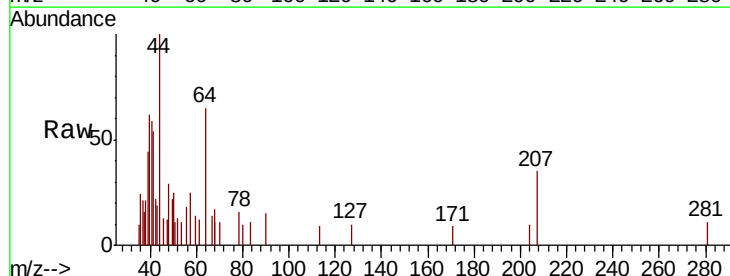
Tgt Ion: 41 Resp: 635

Ion Ratio Lower Upper

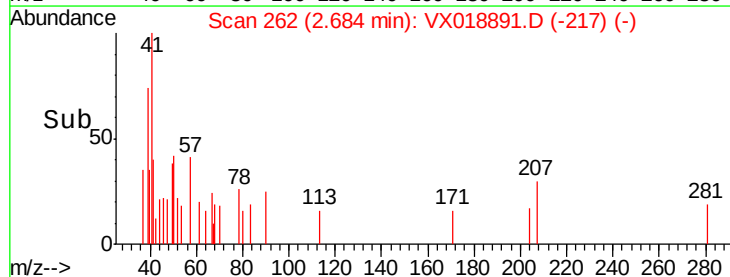
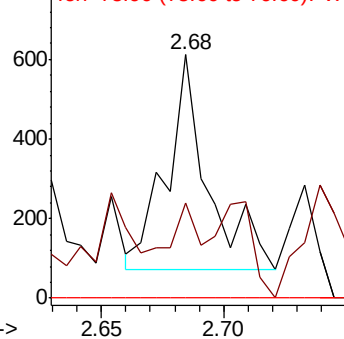
41 100

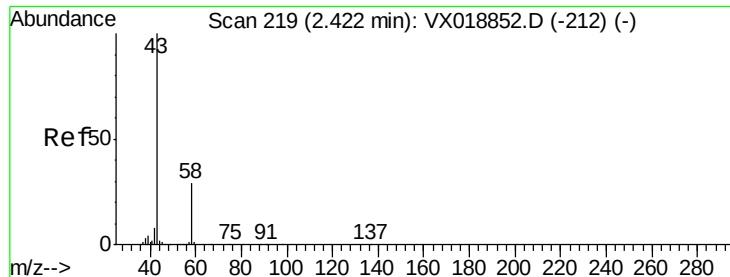
39 28.7 57.8 86.8#

76 0.0 26.8 40.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0

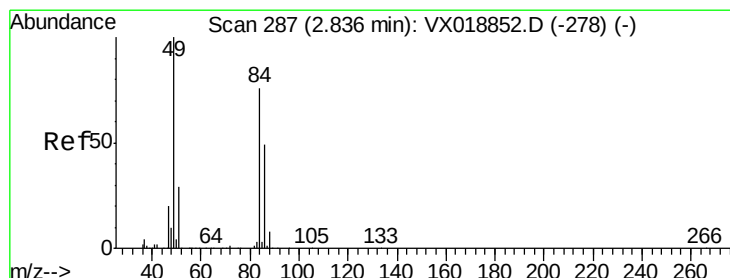
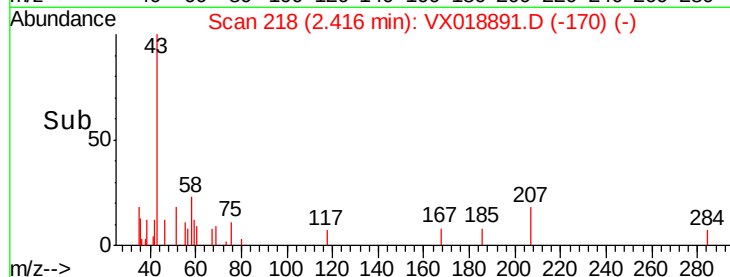
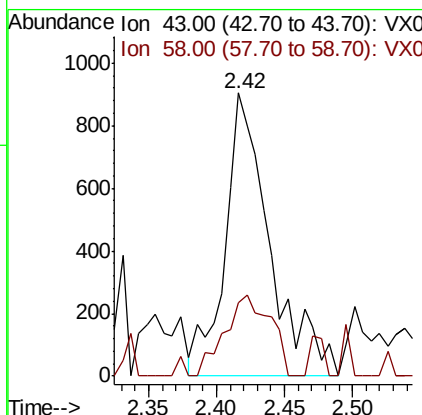
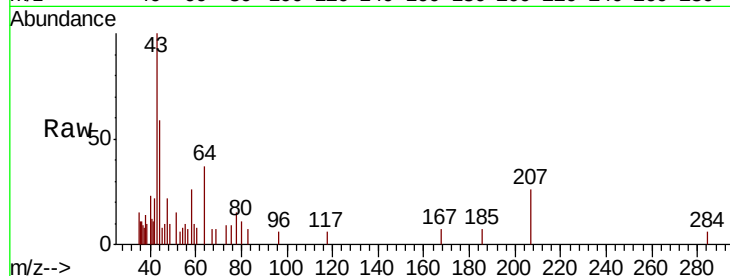




#16
Acetone
Concen: Below Cal
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX018891.D
Acq: 10 Oct 2020 06:14

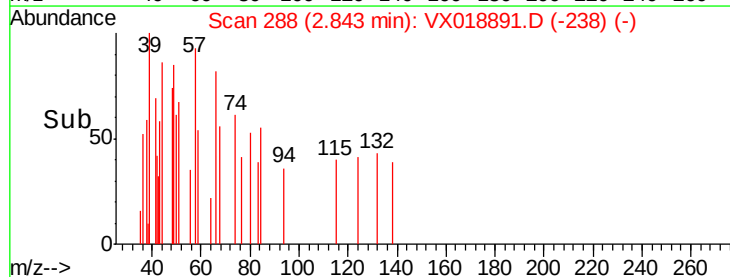
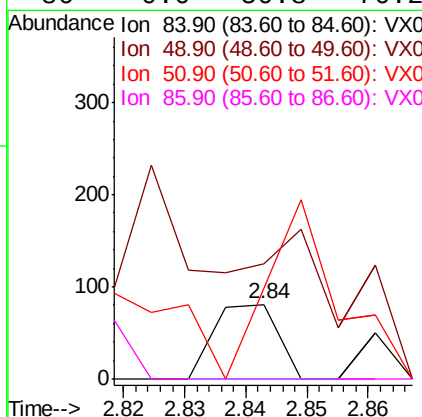
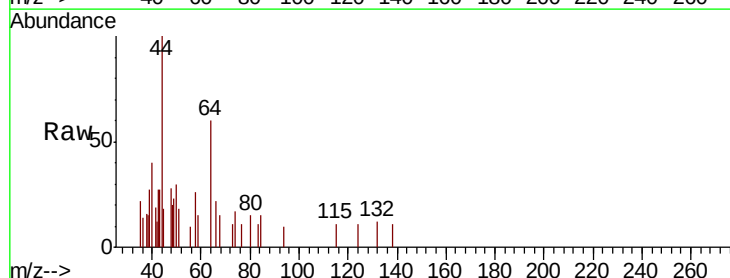
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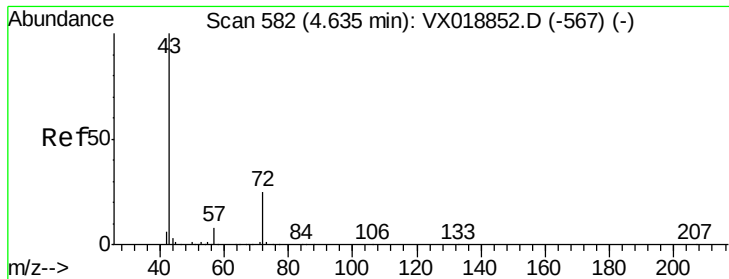
Tot Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
58 25.8 23.0 34.4



#20
Methylene Chloride
Concen: 0.533 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018891.D
Acq: 10 Oct 2020 06:14

Tgt Ion: 84 Resp: 58
Ion Ratio Lower Upper
84 100
49 85.2 104.8 157.2#
51 42.0 30.6 46.0
86 0.0 50.8 76.2#





#25

2-Butanone

Concen: 0.200 ug/l

RT: 4.62 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

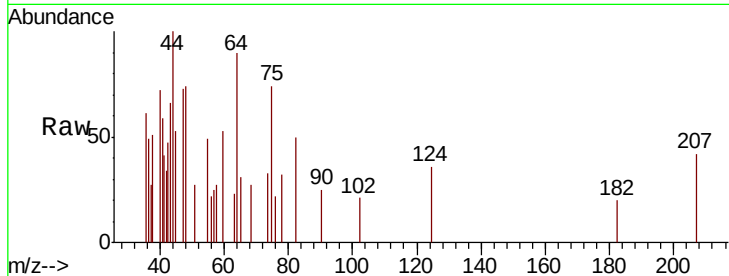
FT-PZ-459S-20200928

Tot Ion: 43 Resp: 303

Ion Ratio Lower Upper

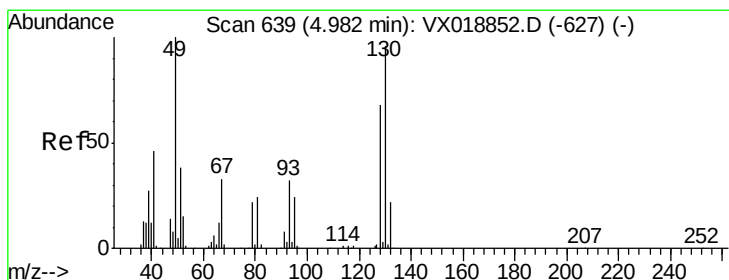
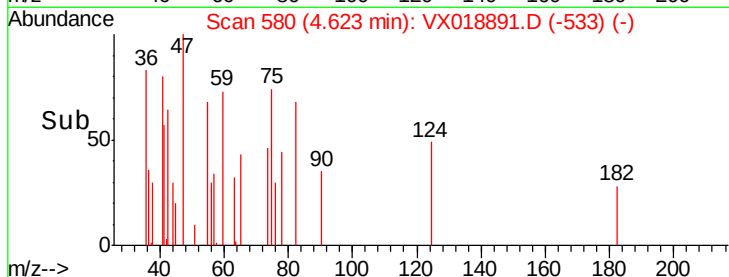
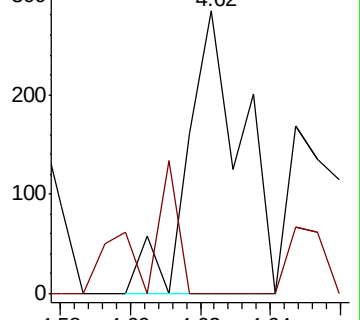
43 100

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: 1.652 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

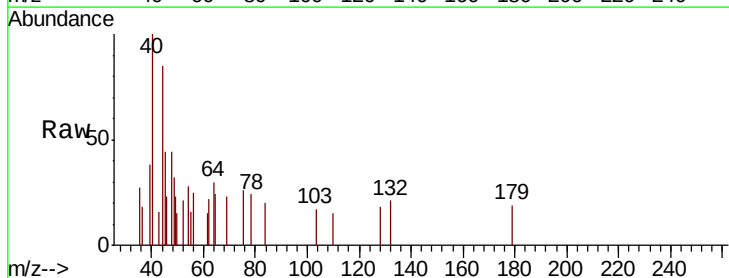
Tgt Ion: 49 Resp: 226

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

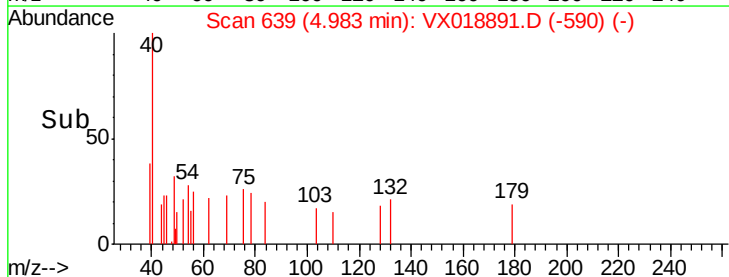
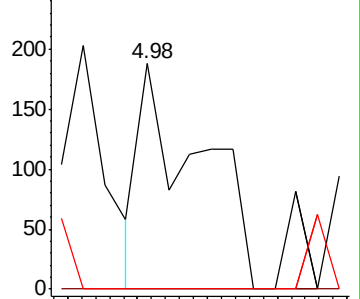
130 0.0 71.2 106.8#

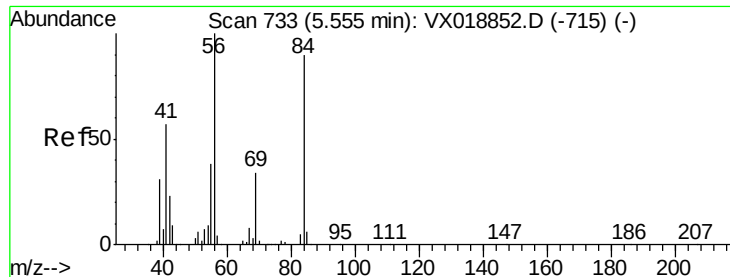


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

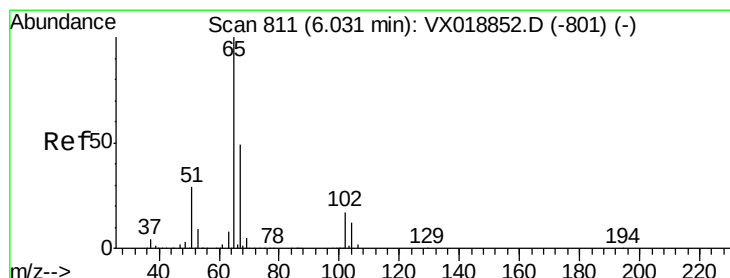
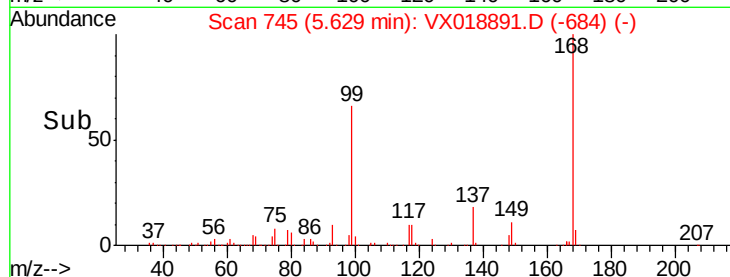
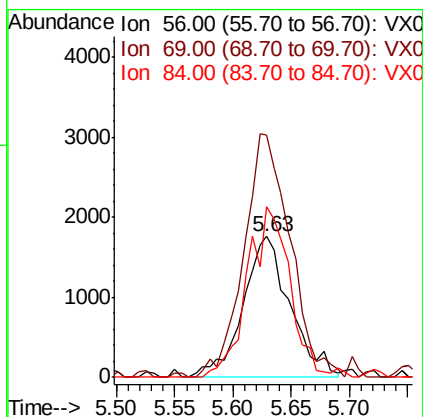
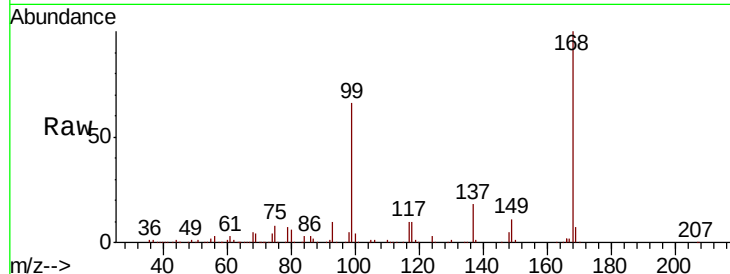




#31
Cvclohexane
Concen: 1.903 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.07 min
Lab File: VX018891.D
Acq: 10 Oct 2020 06:14

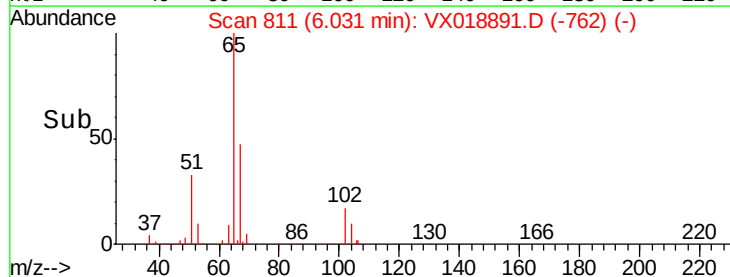
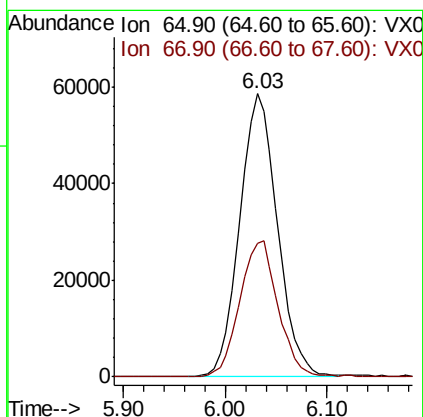
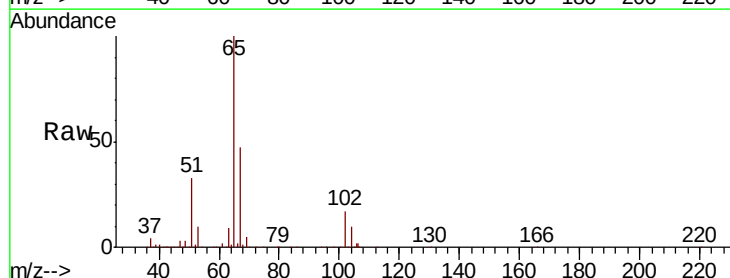
Instrument :
MSVOA_X
ClientSampleId :
FT-PZ-459S-20200928

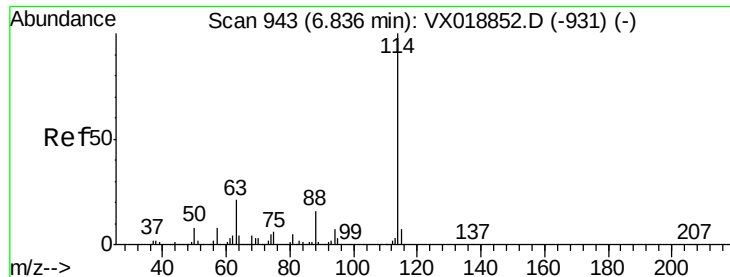
Tot Ion: 56 Resp: 4965
Ion Ratio Lower Upper
56 100
69 172.6 27.1 40.7#
84 121.5 71.7 107.5#



#33
1,2-Dichloroethane-d4
Concen: 54.003 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX018891.D
Acq: 10 Oct 2020 06:14

Tgt Ion: 65 Resp: 150872
Ion Ratio Lower Upper
65 100
67 48.6 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: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ-459S-20200928

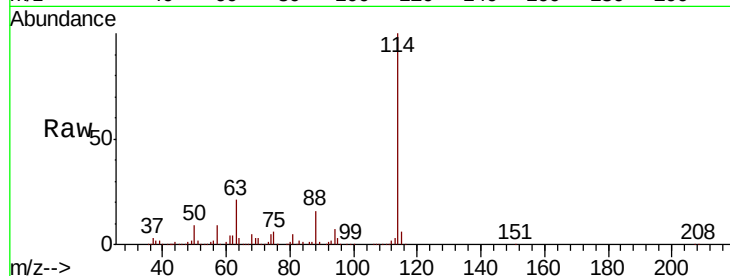
Tot Ion:114 Resp: 313133

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

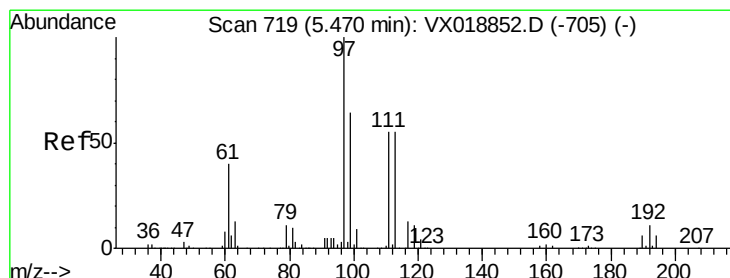
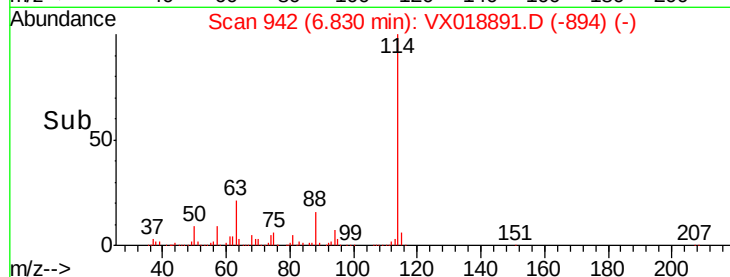
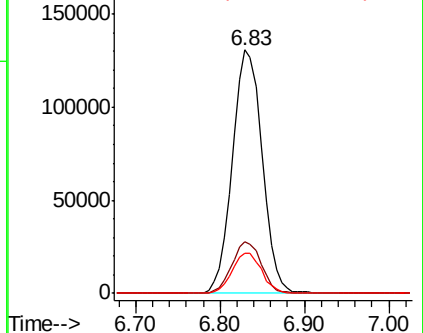
88 16.4 0.0 32.6



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: 51.089 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

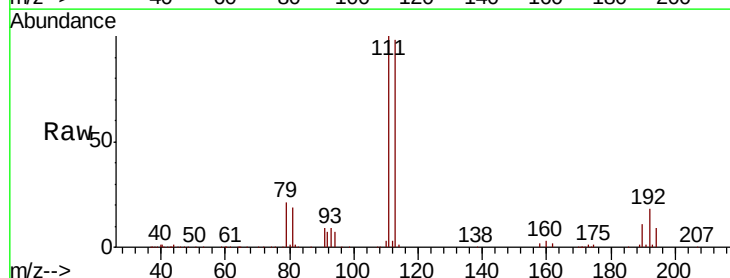
Tgt Ion:113 Resp: 114010

Ion Ratio Lower Upper

113 100

111 101.0 80.1 120.1

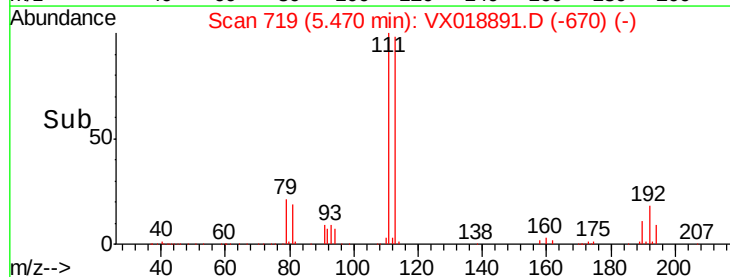
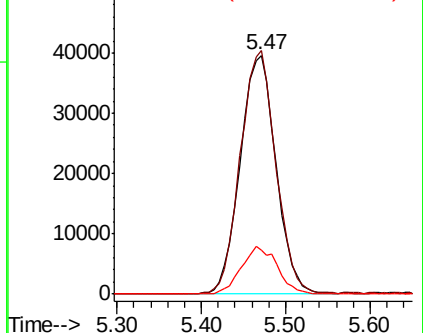
192 20.1 16.0 24.0

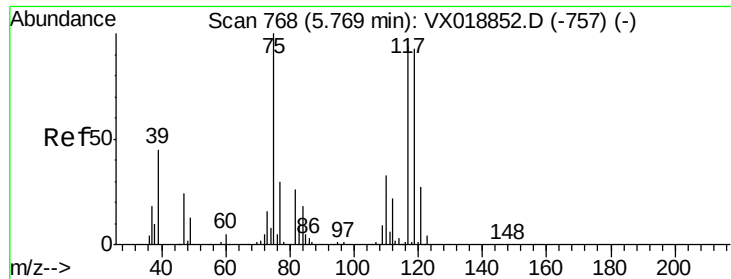


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

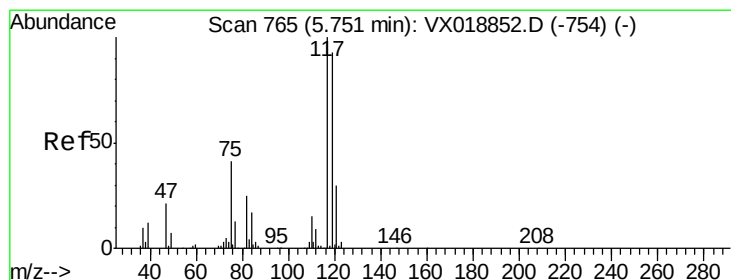
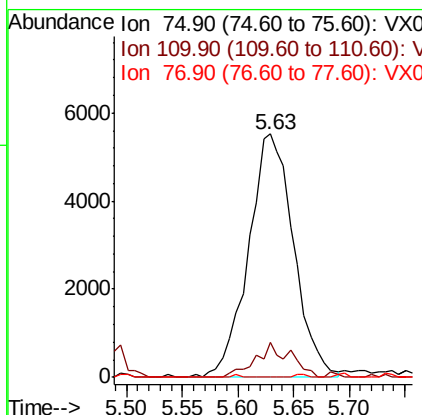
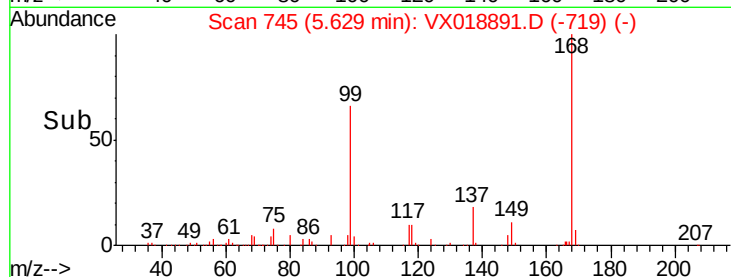
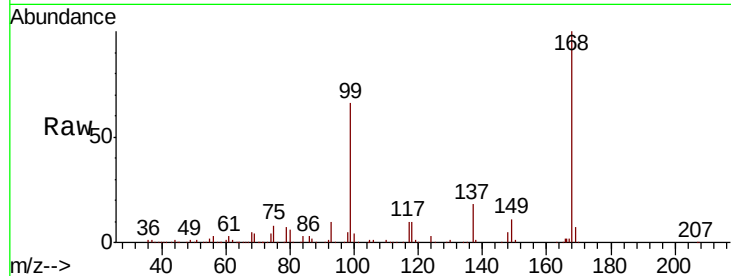




#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018891.D
 Acq: 10 Oct 2020 06:14

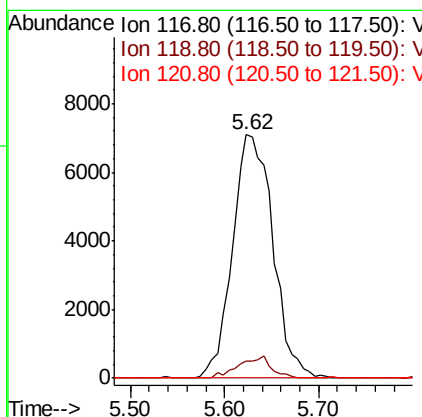
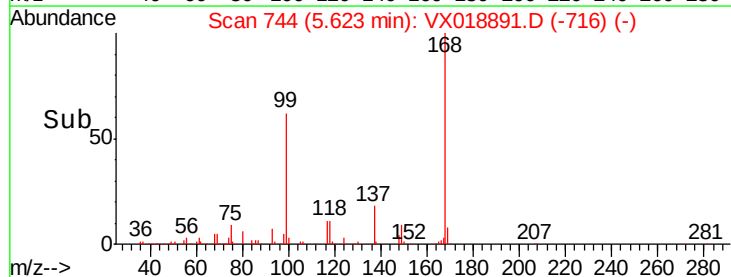
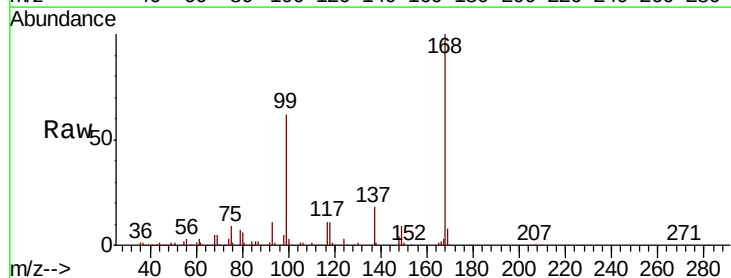
Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ-459S-20200928

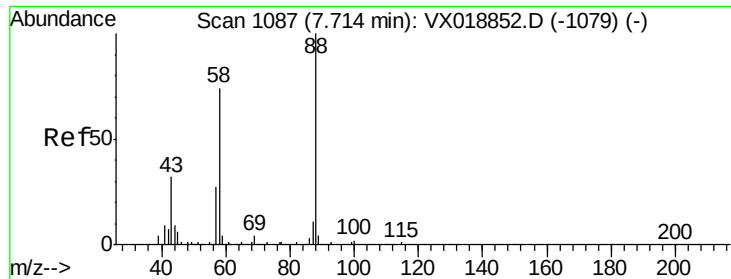
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.8	53.5#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.204 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX018891.D
 Acq: 10 Oct 2020 06:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	73.9	110.9#
121	0.0	23.6	35.4#





#49

1,4-Dioxane

Concen: 2.873 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ-459S-20200928

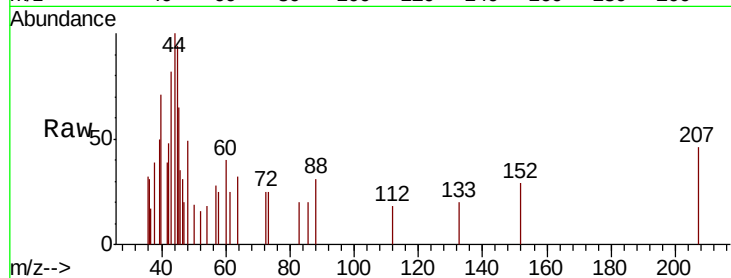
Tot Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 81.5 31.0 46.6#

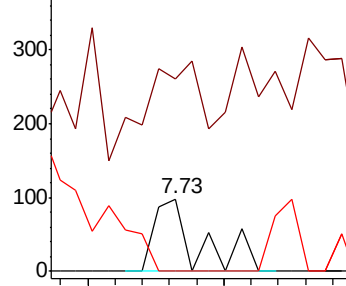
58 0.0 59.3 88.9#



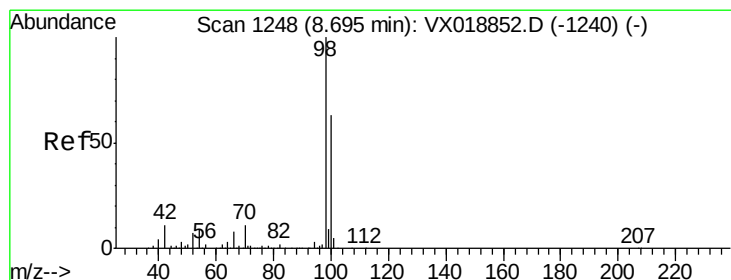
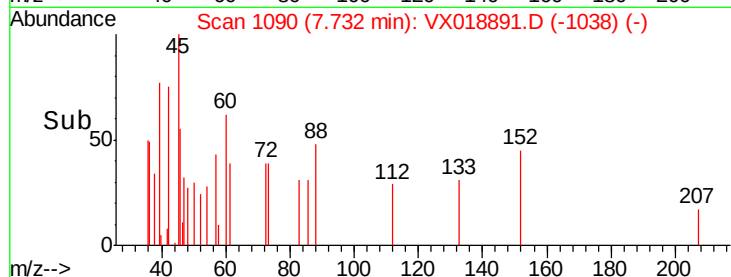
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.153 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018891.D

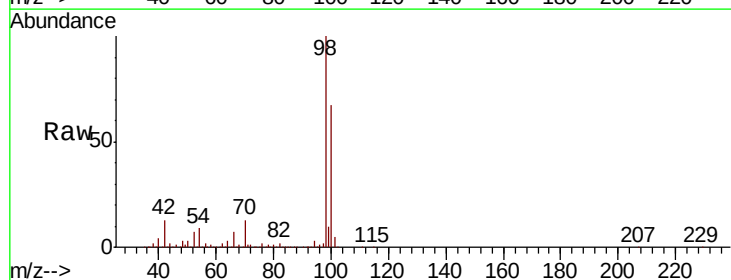
Acq: 10 Oct 2020 06:14

Tgt Ion: 98 Resp: 388226

Ion Ratio Lower Upper

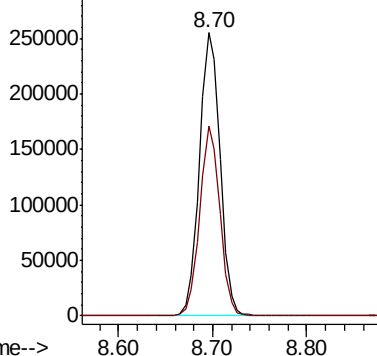
98 100

100 65.4 53.1 79.7

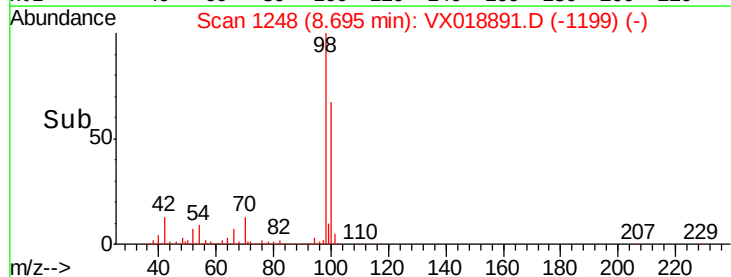


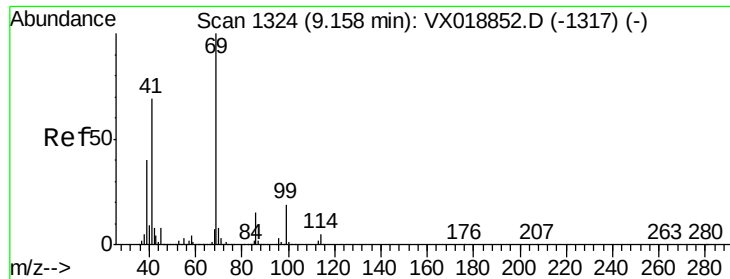
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#56

Ethyl methacrylate

Concen: 2.950 ug/l

RT: 9.13 min Scan# 1320

Delta R.T. -0.02 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ-459S-20200928

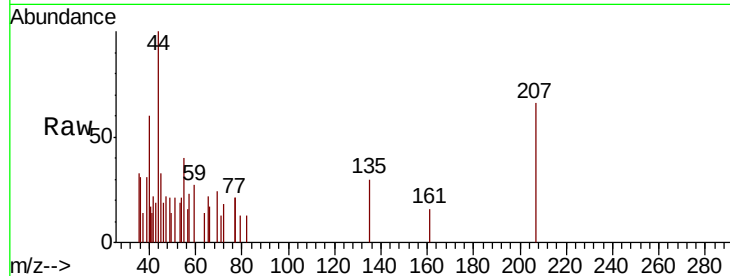
Tot Ion: 69 Resp: 59

Ion Ratio Lower Upper

69 100

41 252.5 54.6 81.8#

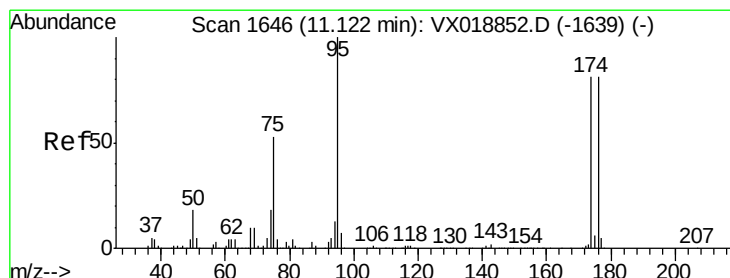
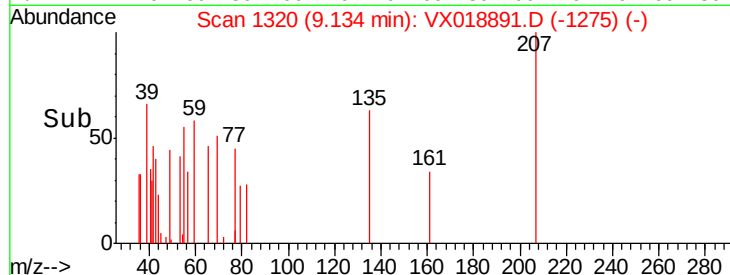
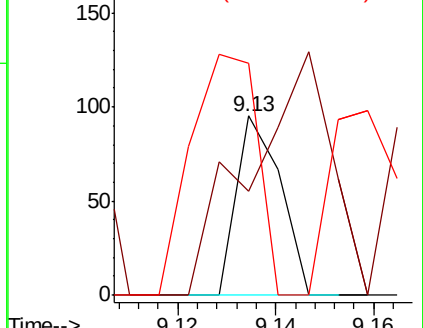
39 205.1 31.5 47.3#



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



#62

4-Bromofluorobenzene

Concen: 47.827 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

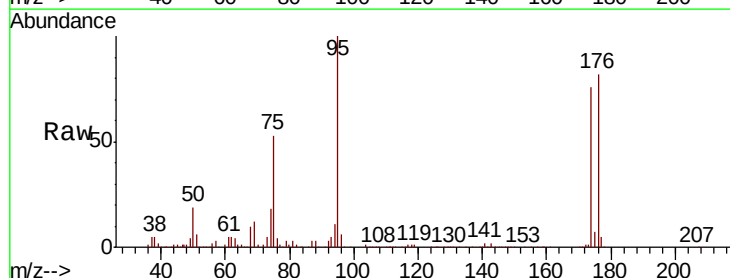
Tgt Ion: 95 Resp: 147553

Ion Ratio Lower Upper

95 100

174 81.3 0.0 160.0

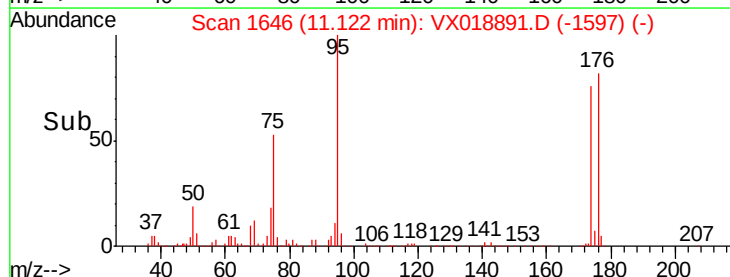
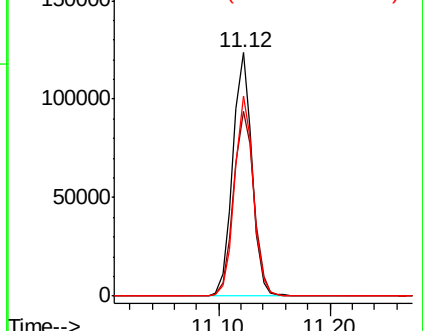
176 80.3 0.0 161.2

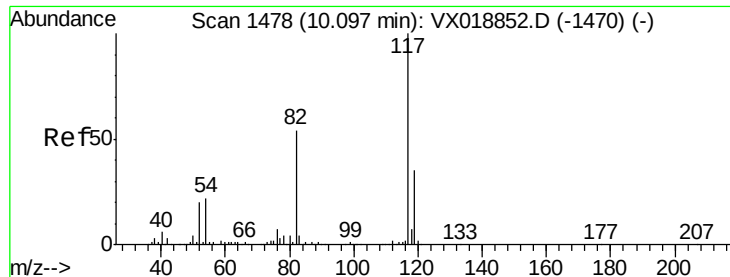


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

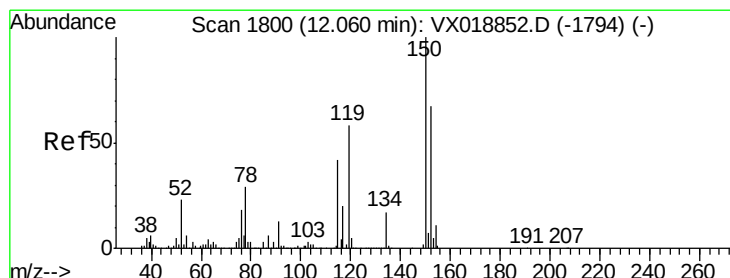
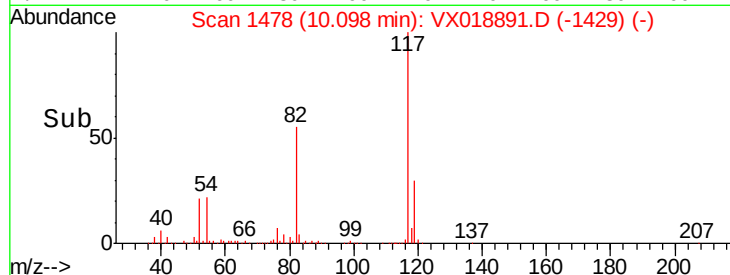
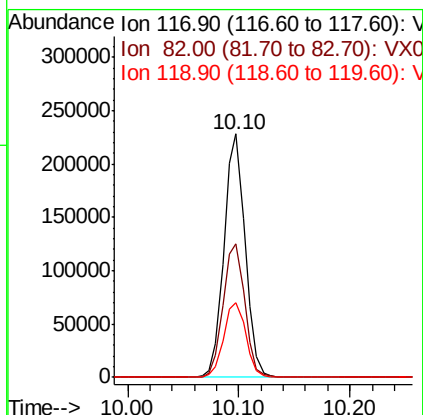
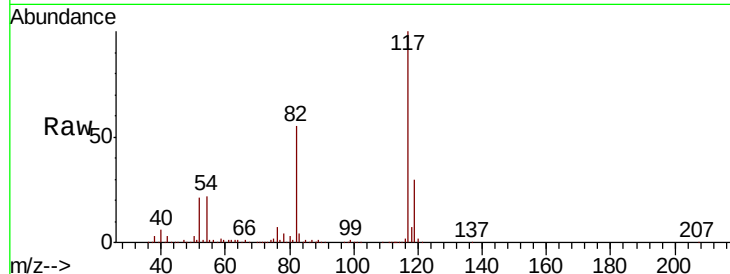




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018891.D
Acq: 10 Oct 2020 06:14

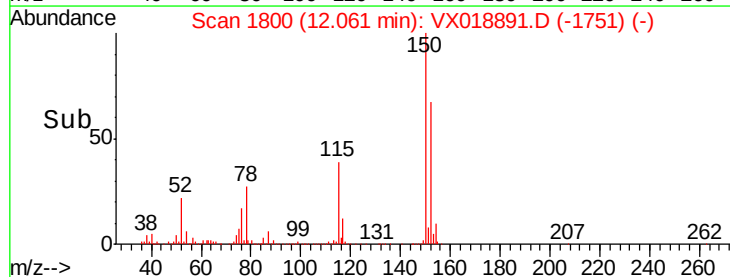
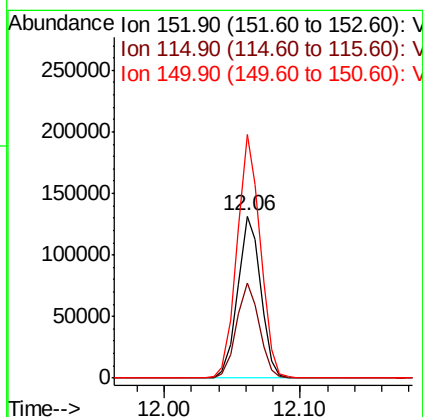
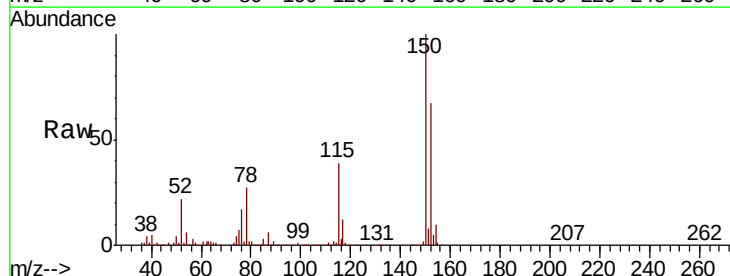
Instrument :
MSVOA_X
ClientSampleId :
FT-PZ-459S-20200928

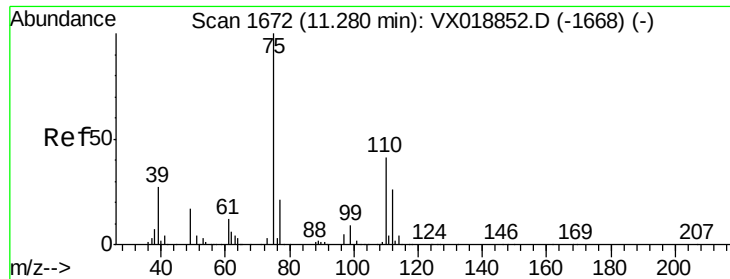
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.4	65.2
119	30.5	28.3	42.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018891.D
Acq: 10 Oct 2020 06:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	41.8	125.4
150	150.9	0.0	347.6





#76

1,2,3-Trichloropropane

Concen: 24.079 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

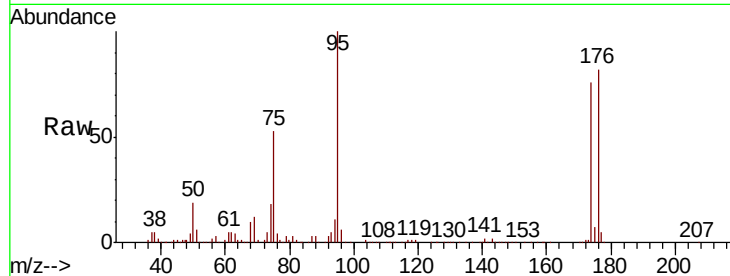
FT-PZ-459S-20200928

Tot Ion: 75 Resp: 80428

Ion Ratio Lower Upper

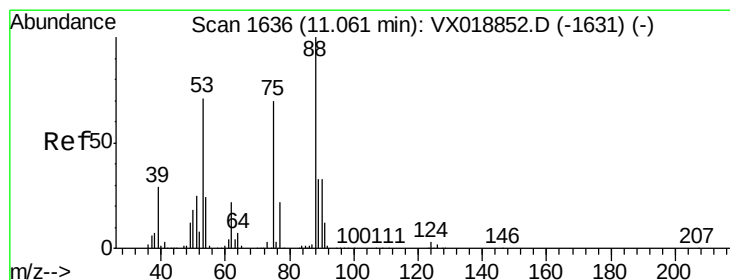
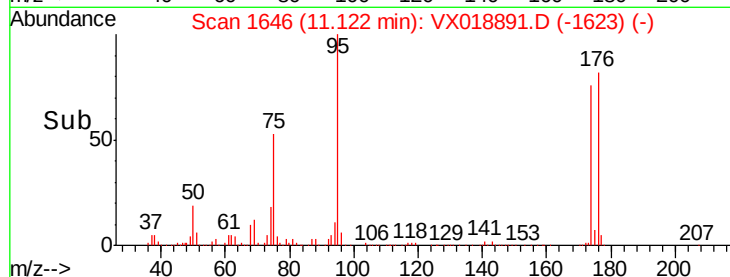
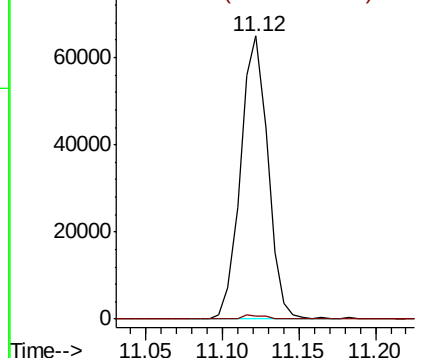
75 100

77 1.4 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: 68.238 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

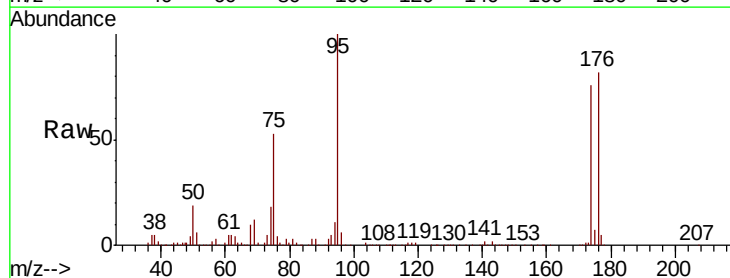
Tgt Ion: 75 Resp: 80428

Ion Ratio Lower Upper

75 100

53 0.5 85.0 127.4#

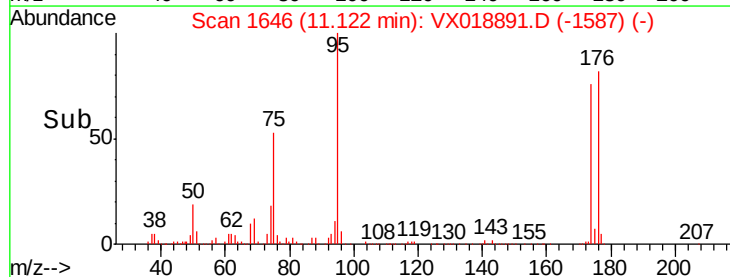
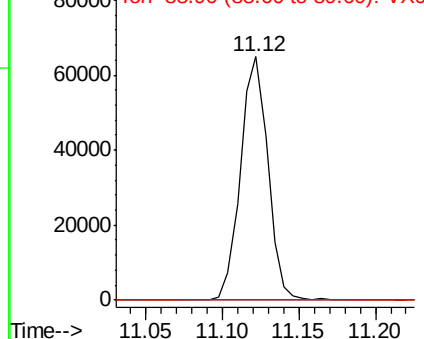
89 0.1 39.0 58.4#

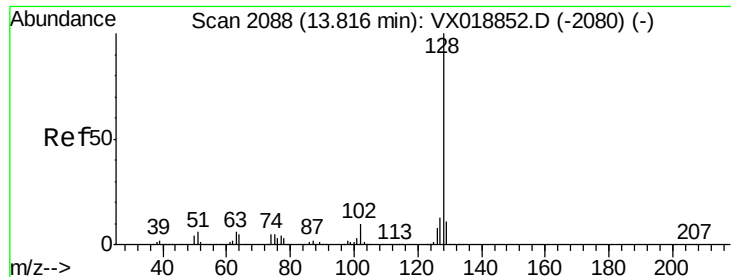


Abundance Ion 74.90 (74.60 to 75.60): VX0

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# 2089

Delta R.T. 0.01 min

Lab File: VX018891.D

Acq: 10 Oct 2020 06:14

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ-459S-20200928

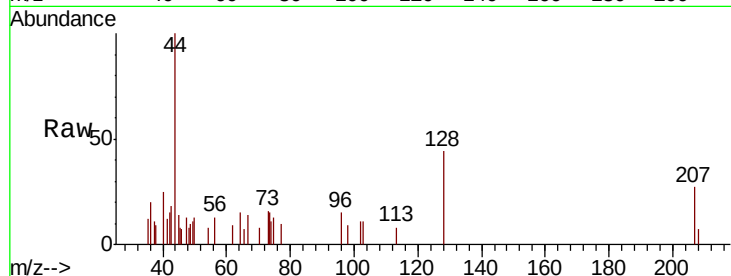
Tot Ion:128 Resp: 306

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

