

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX017158.D
 Acq On : 02 Jul 2020 18:57
 Operator : JC/SP
 Sample : L3164-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 08:01:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	203307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	340936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	349807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191945	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	135917	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	
35) Dibromofluoromethane	5.47	113	114378	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
50) Toluene-d8	8.70	98	414919	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.12	95	172403	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	

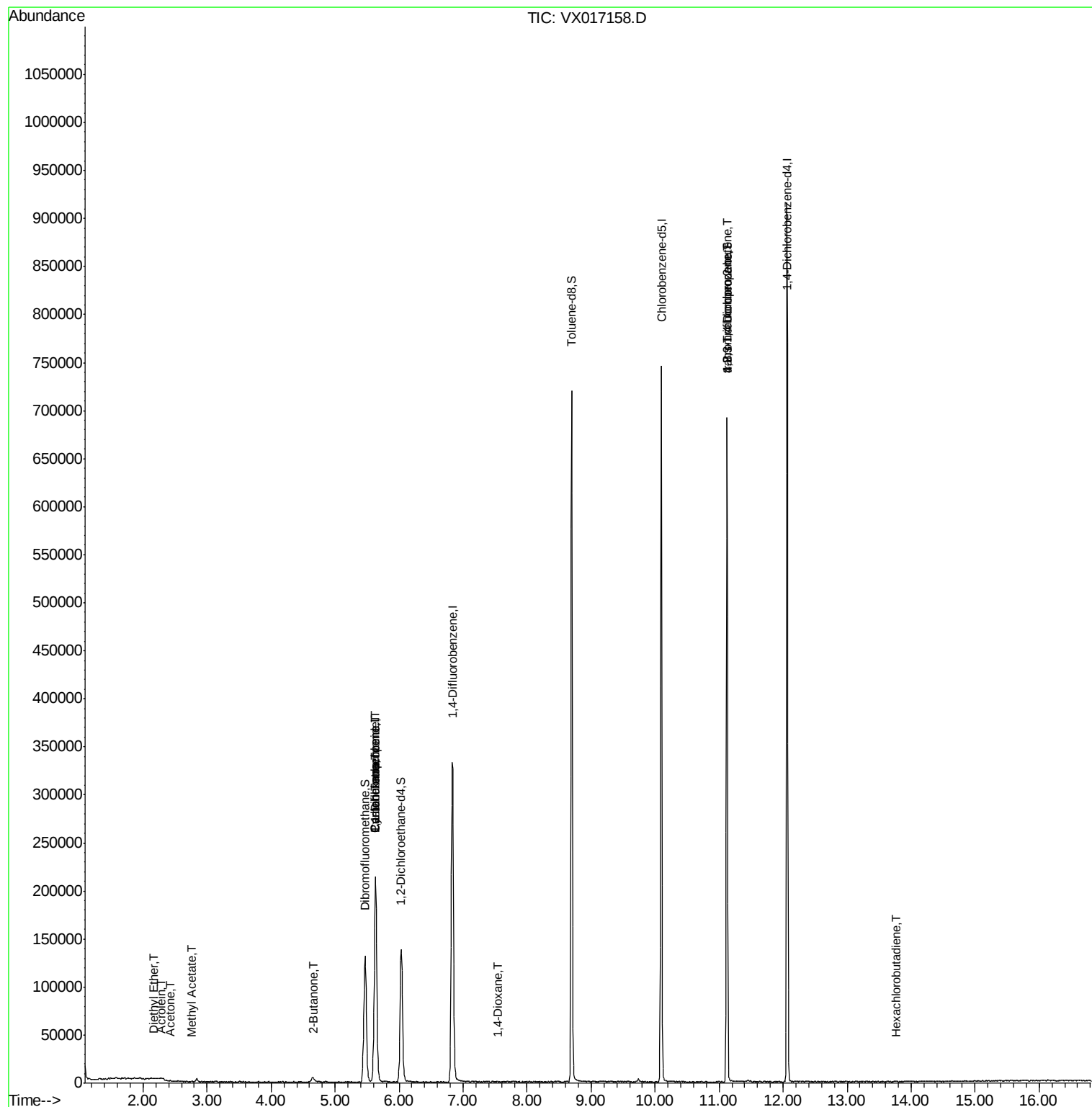
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.16	74	21	0.384	ug/l #	1
13) Acrolein	2.29	56	234	0.819	ug/l #	50
16) Acetone	2.43	43	665	0.709	ug/l #	87
18) Methyl Acetate	2.76	43	594	0.243	ug/l #	66
20) Methylene Chloride	2.84	84	1441	Below Cal		86
25) 2-Butanone	4.65	43	511	0.327	ug/l #	49
31) Cyclohexane	5.63	56	4037	1.193	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15201	4.718	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20152	5.678	ug/l #	17
44) Trichloroethene	7.18	130	91	Below Cal		3
49) 1,4-Dioxane	7.54	88	19	0.325	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	86039	22.795	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	86039	59.031	ug/l #	13
88) 1,4-Dichlorobenzene	12.02	146	263	Below Cal		93
94) Hexachlorobutadiene	13.76	225	94	0.905	ug/l #	17

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

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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Instrument :

MSVOA_X

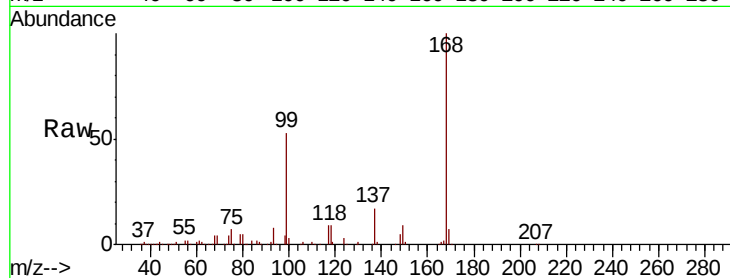
ClientSampled :

Tot Ion:168 Resp: 203307

Ion Ratio Lower Upper

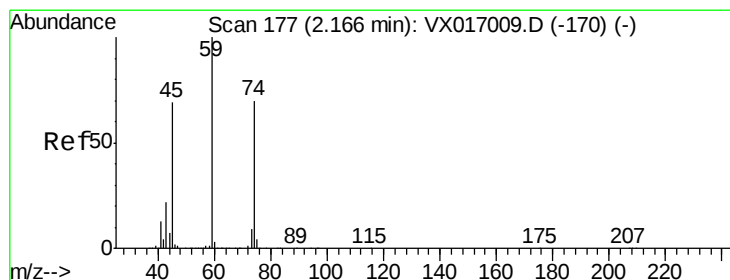
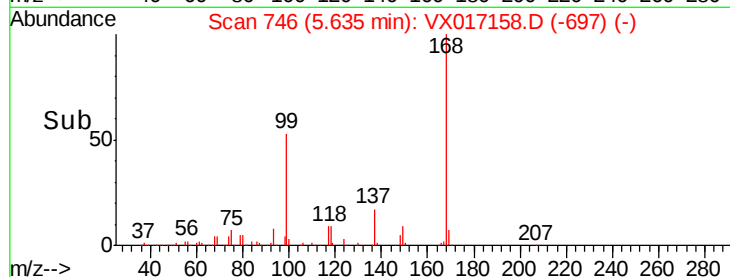
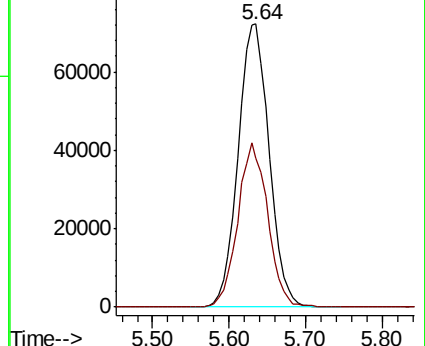
168 100

99 52.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.384 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017158.D

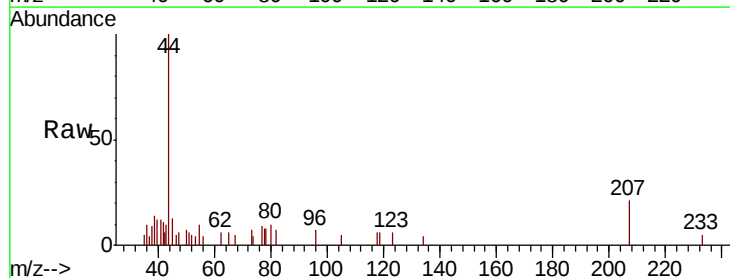
Acq: 02 Jul 2020 18:57

Tgt Ion: 74 Resp: 21

Ion Ratio Lower Upper

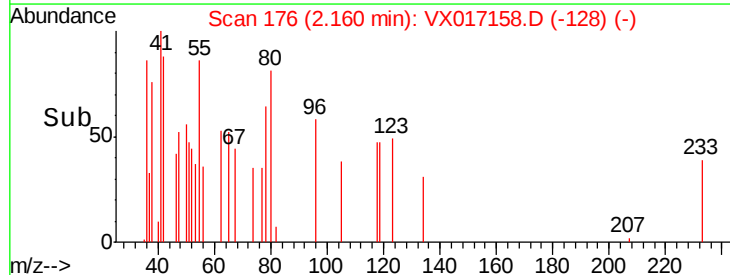
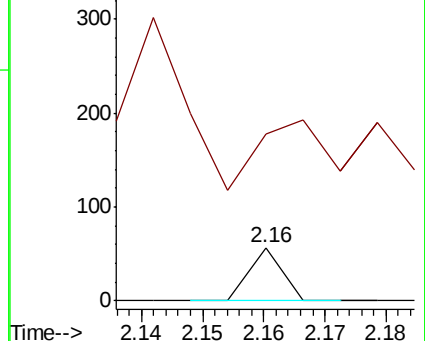
74 100

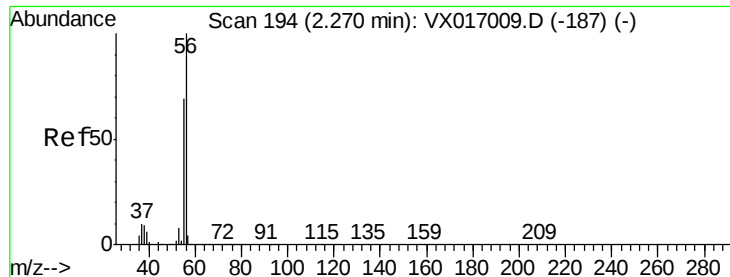
45 595.2 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#13

Acrolein

Concen: 0.819 ug/l

RT: 2.29 min Scan# 198

Delta R.T. 0.02 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Instrument :

MSVOA_X

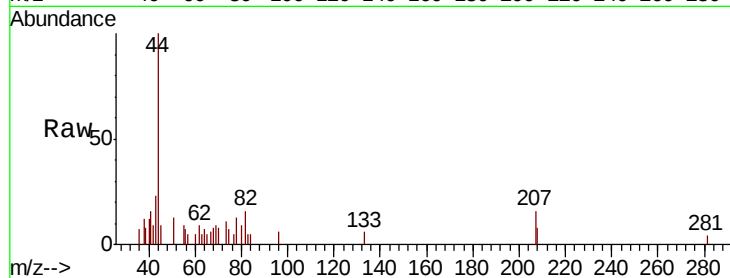
ClientSampleId :

Tot Ion: 56 Resp: 234

Ion Ratio Lower Upper

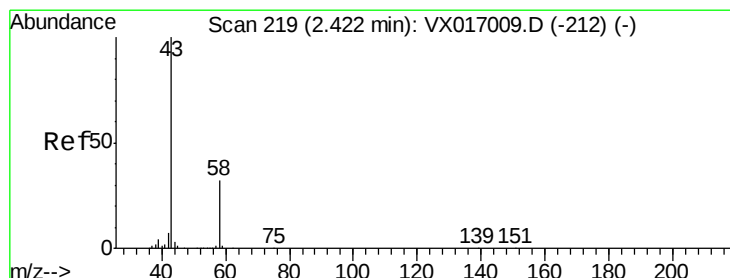
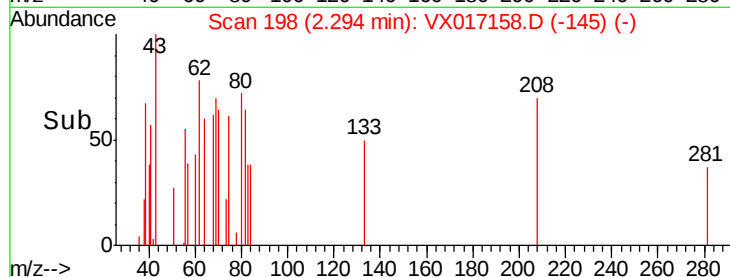
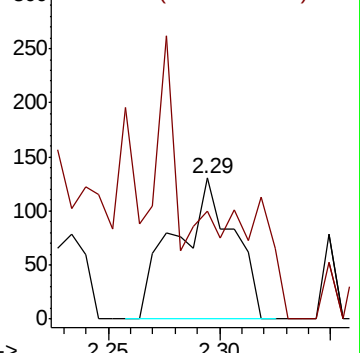
56 100

55 29.1 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.709 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017158.D

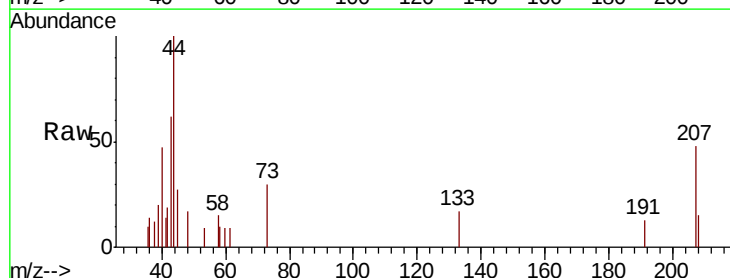
Acq: 02 Jul 2020 18:57

Tgt Ion: 43 Resp: 665

Ion Ratio Lower Upper

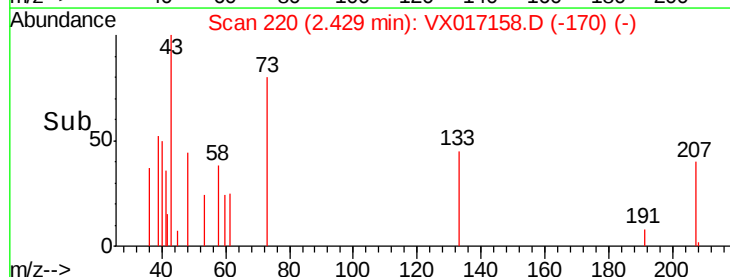
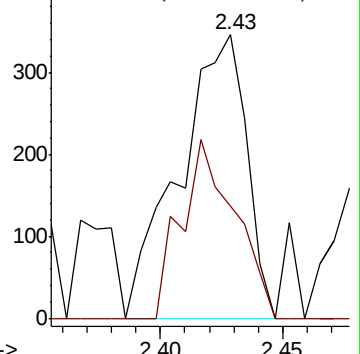
43 100

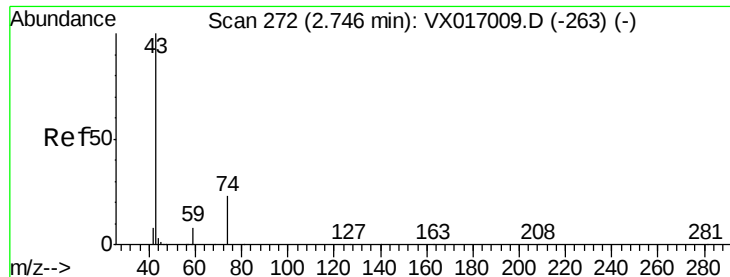
58 39.6 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

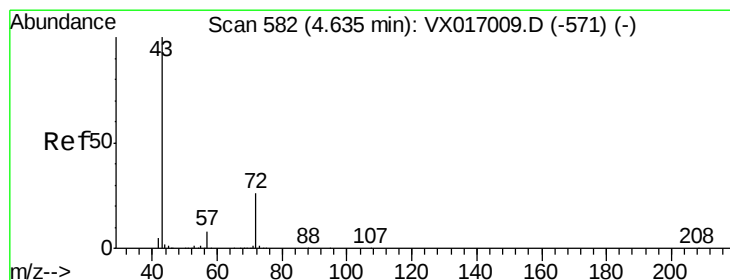
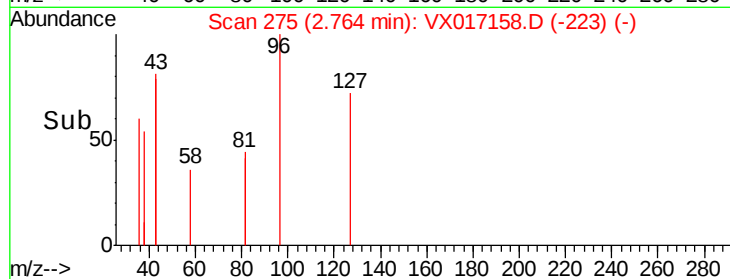
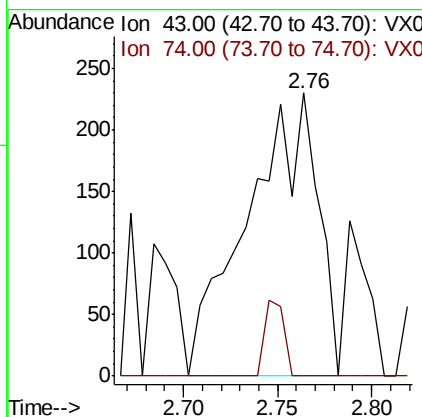
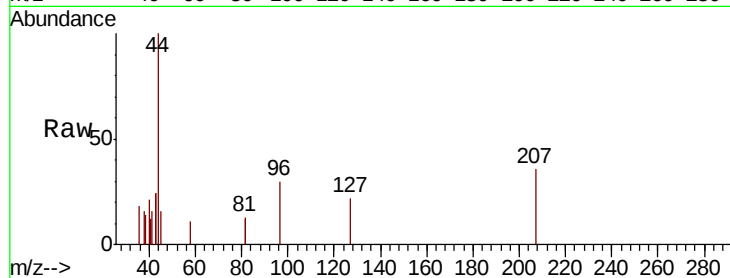




#18
Methvl Acetate
Concen: 0.243 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.02 min
Lab File: VX017158.D
Acq: 02 Jul 2020 18:57

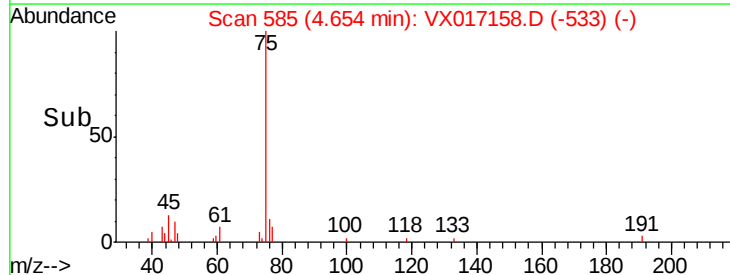
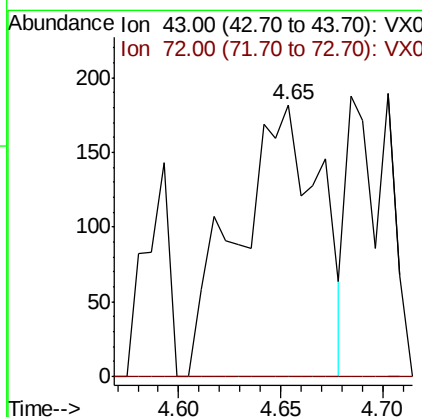
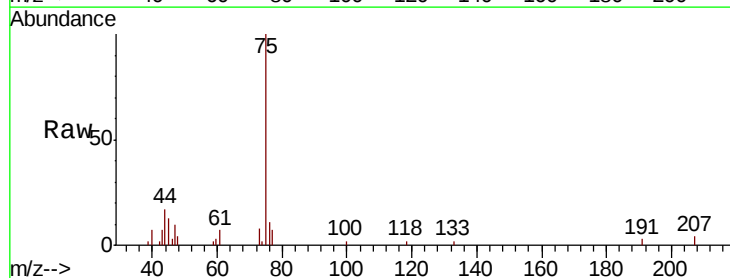
Instrument :
MSVOA_X
ClientSampled :

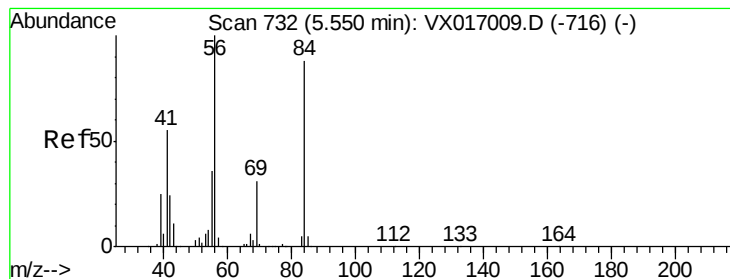
Tot Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
74 7.4 19.3 28.9#



#25
2-Butanone
Concen: 0.327 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017158.D
Acq: 02 Jul 2020 18:57

Tgt Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#





#31

Cyclohexane

Concen: 1.193 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

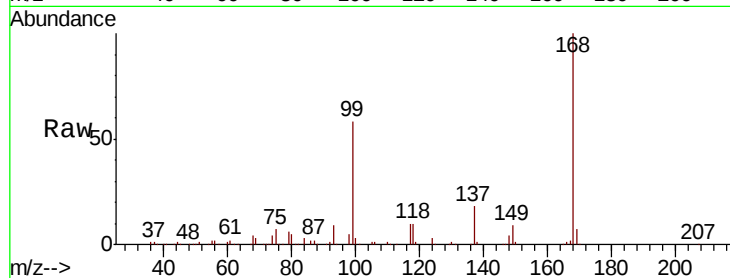
Tot Ion: 56 Resp: 4037

Ion Ratio Lower Upper

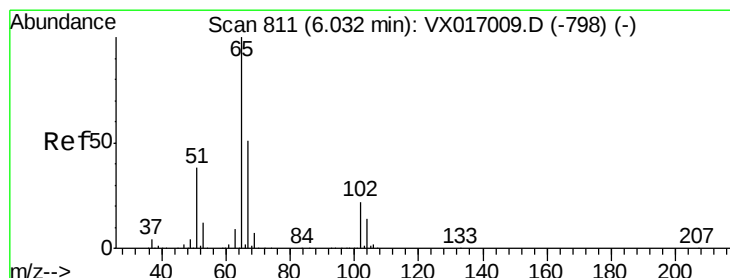
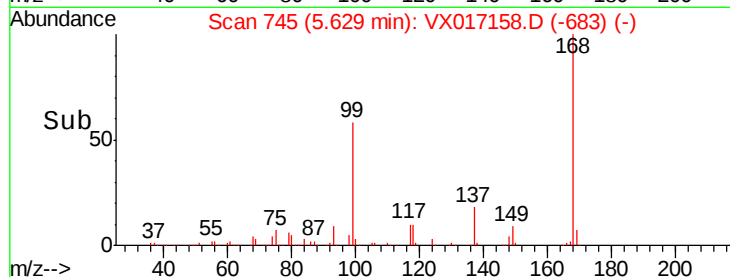
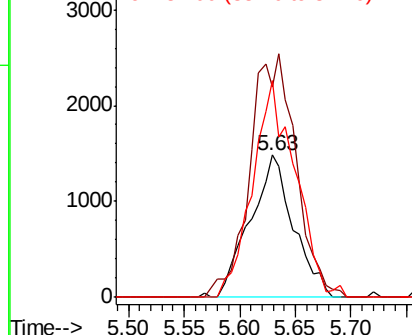
56 100

69 148.5 25.0 37.4#

84 153.1 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.229 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017158.D

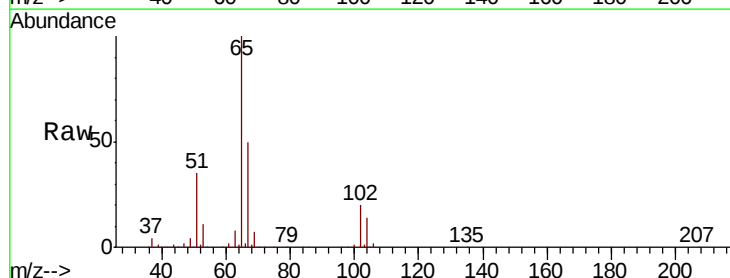
Acq: 02 Jul 2020 18:57

Tgt Ion: 65 Resp: 135917

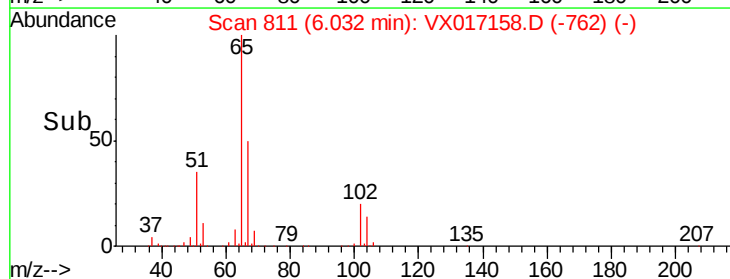
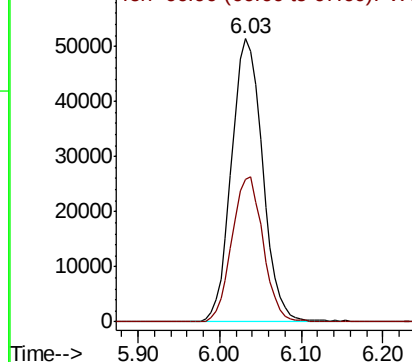
Ion Ratio Lower Upper

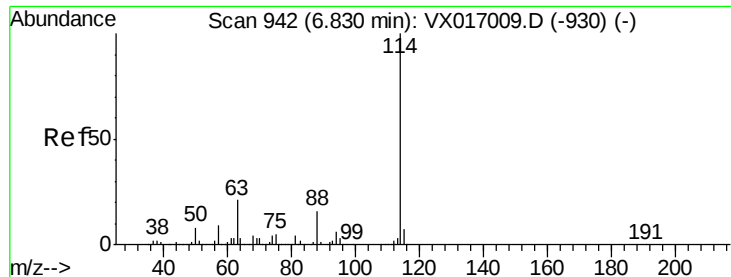
65 100

67 51.1 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

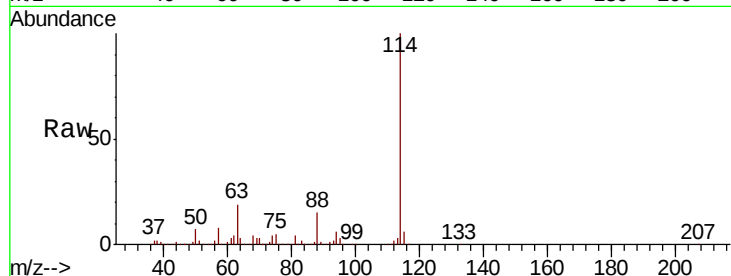
Tot Ion:114 Resp: 340936

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

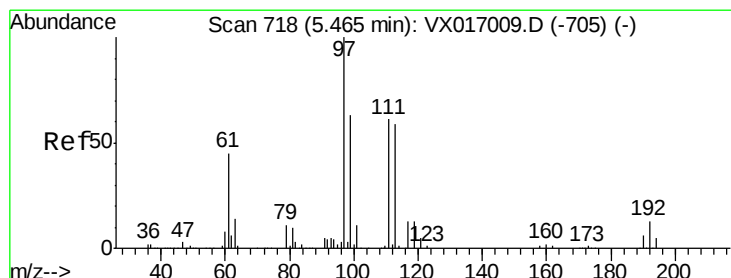
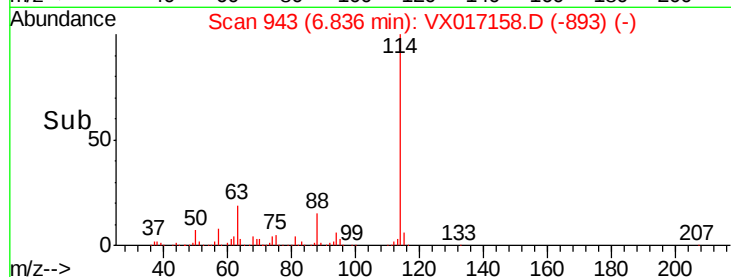
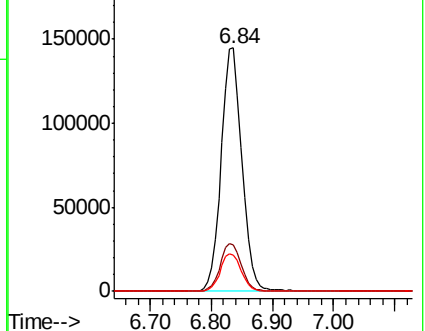
88 14.9 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.035 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

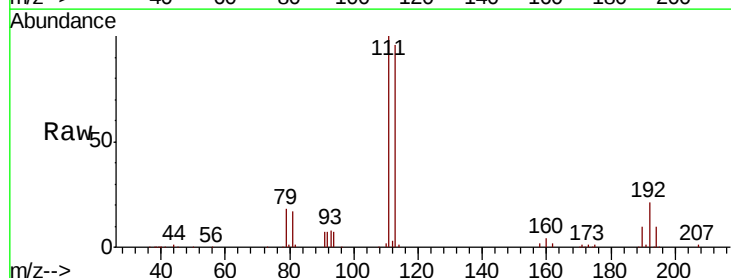
Tgt Ion:113 Resp: 114378

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

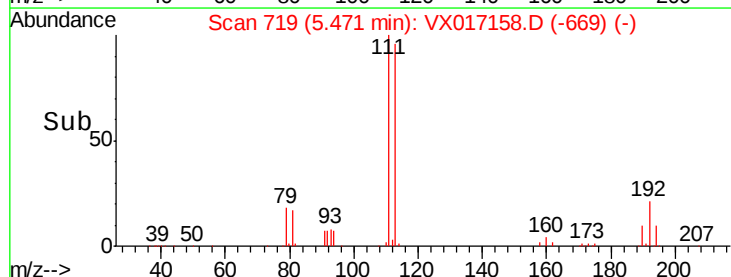
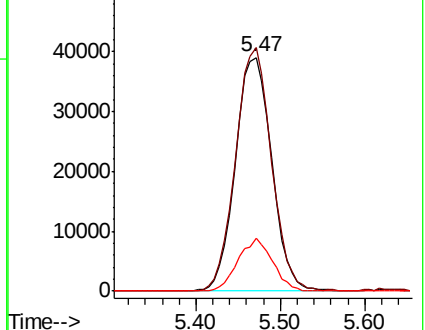
192 21.3 16.7 25.1

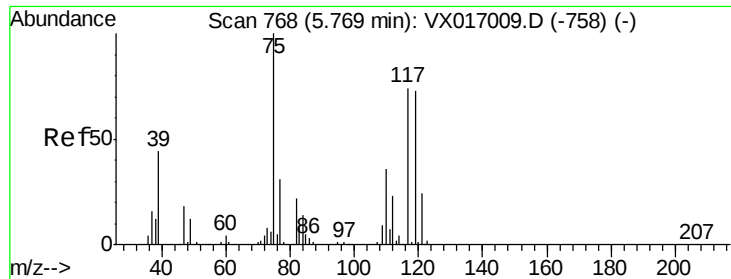


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 5.63 min Scan# 745

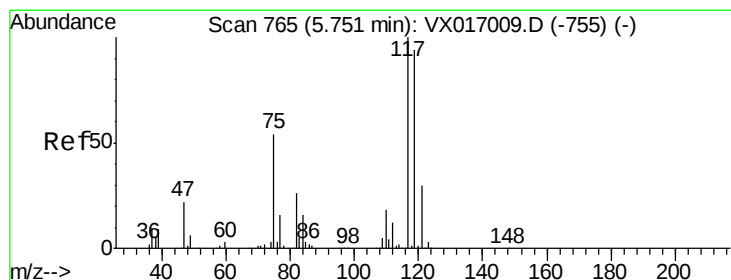
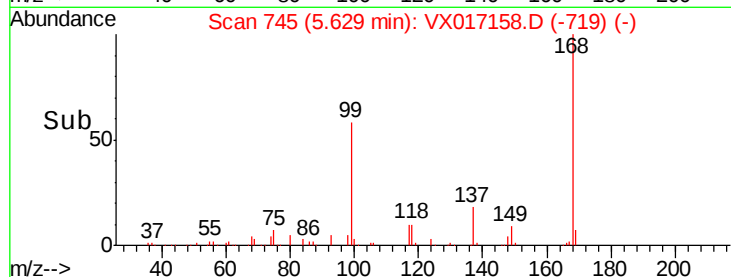
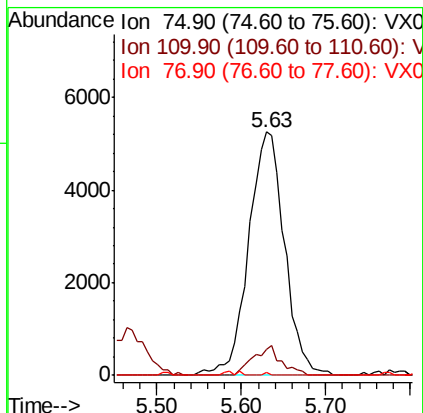
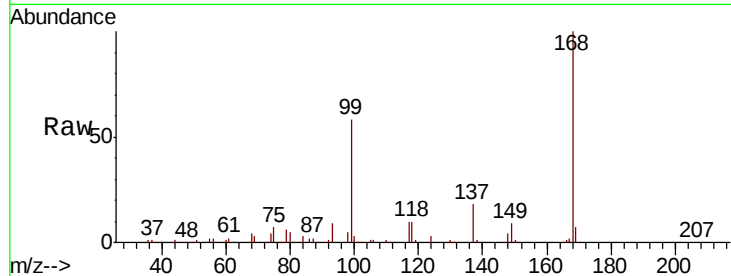
Delta R.T. -0.14 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 15201
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.1#
77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.678 ug/l

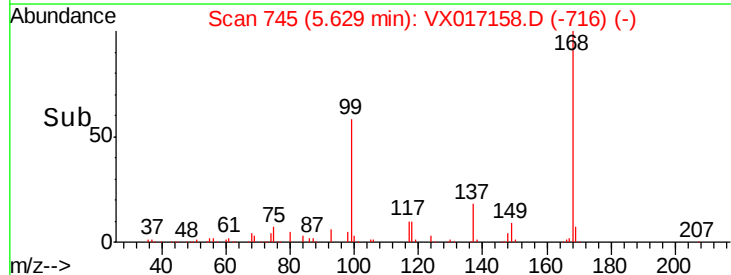
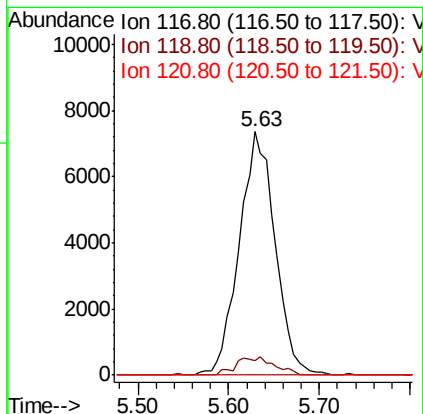
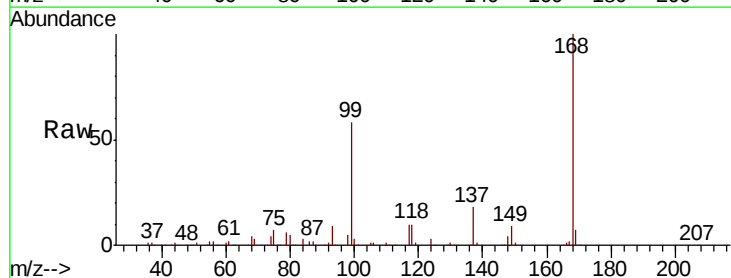
RT: 5.63 min Scan# 745

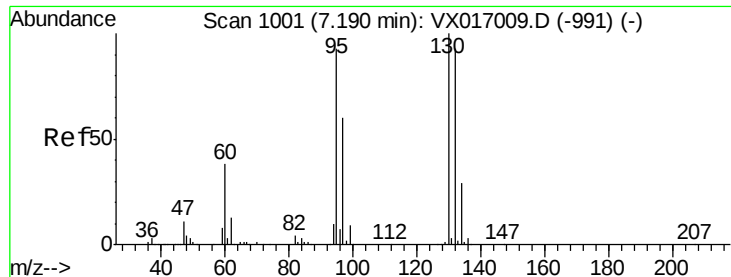
Delta R.T. -0.12 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Tgt Ion:117 Resp: 20152
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.0#
121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Instrument :

MSVOA_X

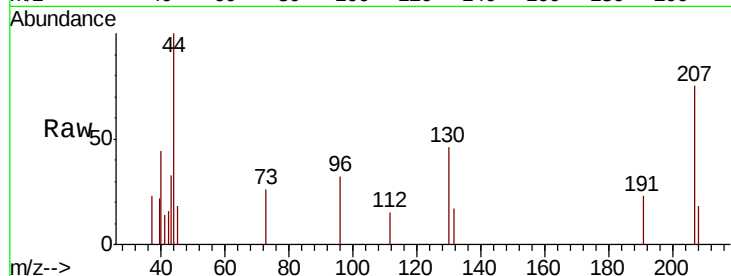
ClientSampleId :

Tot Ion:130 Resp: 91

Ion Ratio Lower Upper

130 100

95 0.0 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.18

150

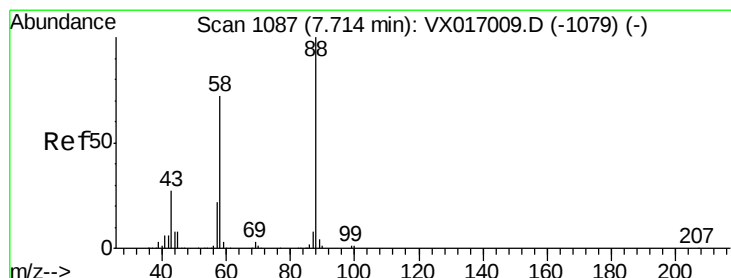
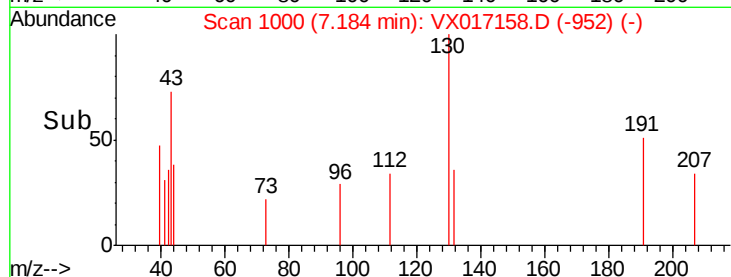
100

50

0

7.16 7.18 7.20

Time-->



#49

1,4-Dioxane

Concen: 0.325 ug/l

RT: 7.54 min Scan# 1059

Delta R.T. -0.17 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

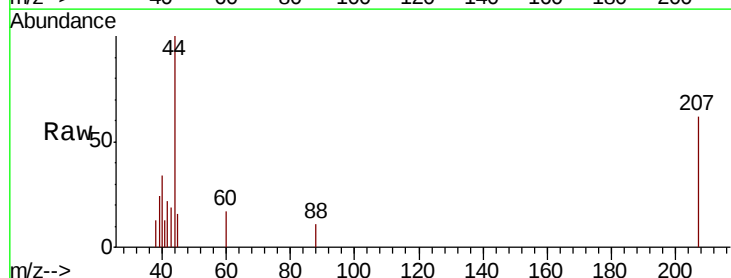
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

58 0.0 54.8 82.2#



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

250

200

150

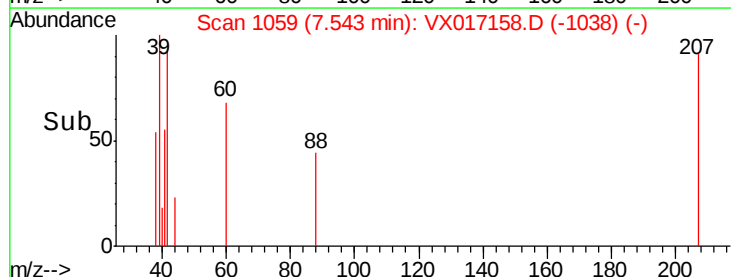
100

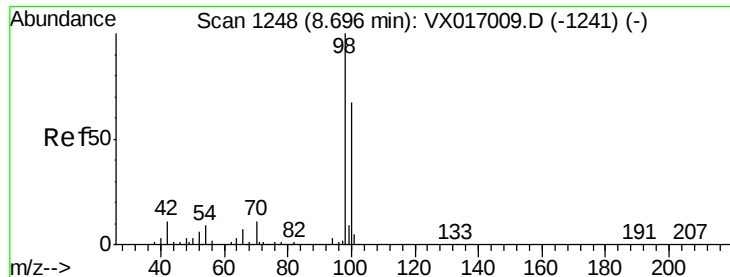
50

0

7.52 7.53 7.54 7.55 7.56

Time-->





#50

Toluene-d8

Concen: 52.028 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Instrument :

MSVOA_X

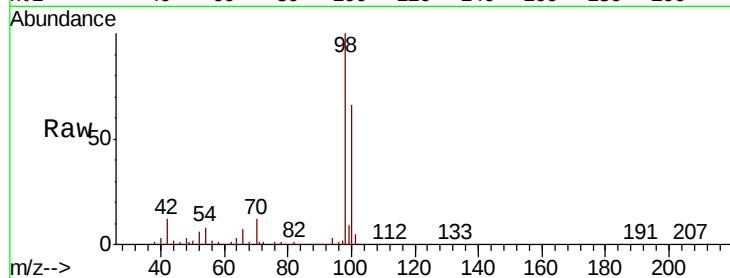
ClientSampleId :

Tot Ion: 98 Resp: 414919

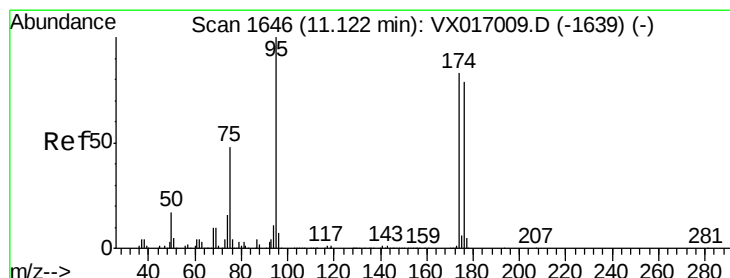
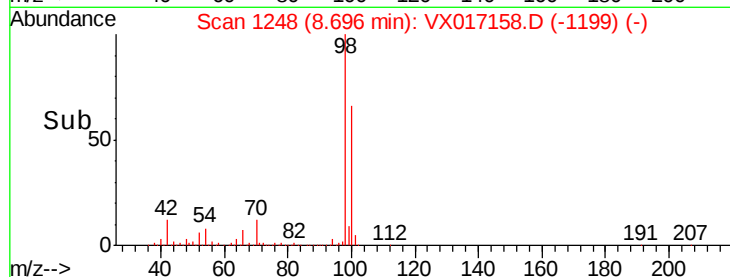
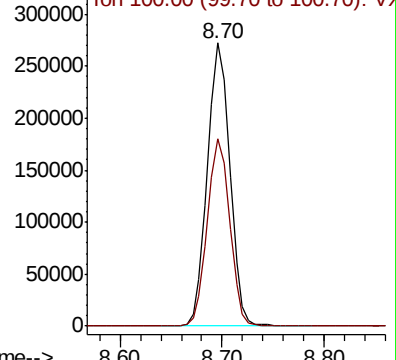
Ion Ratio Lower Upper

98 100

100 65.9 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX017009.D (-1241) (-)



#62

4-Bromofluorobenzene

Concen: 55.302 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

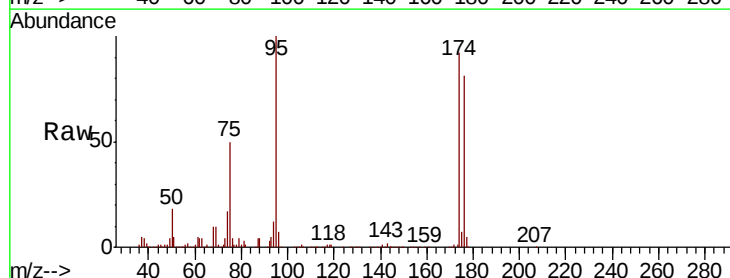
Tgt Ion: 95 Resp: 172403

Ion Ratio Lower Upper

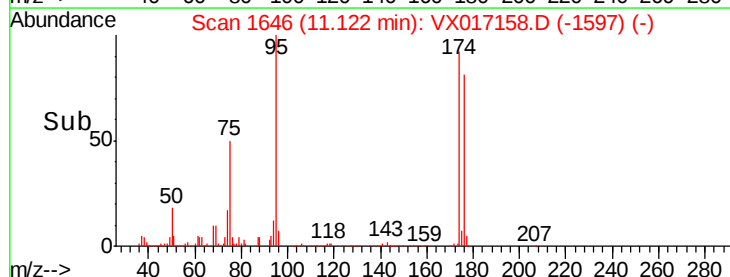
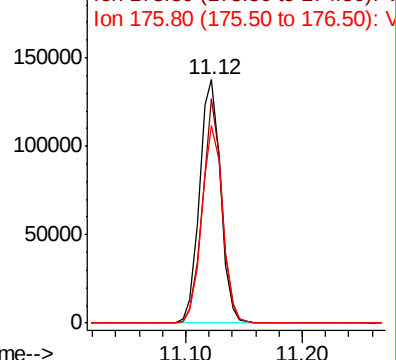
95 100

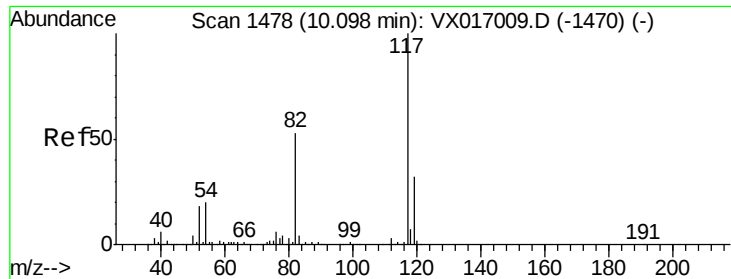
174 86.0 0.0 164.0

176 80.7 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017009.D (-1639) (-)

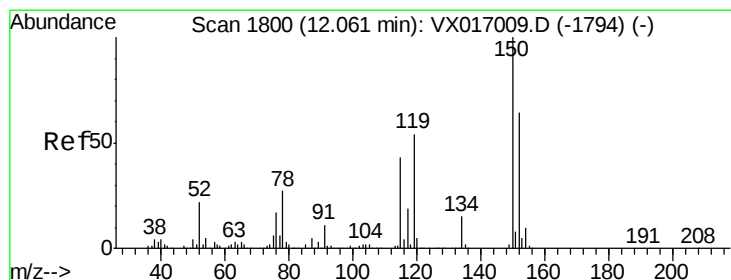
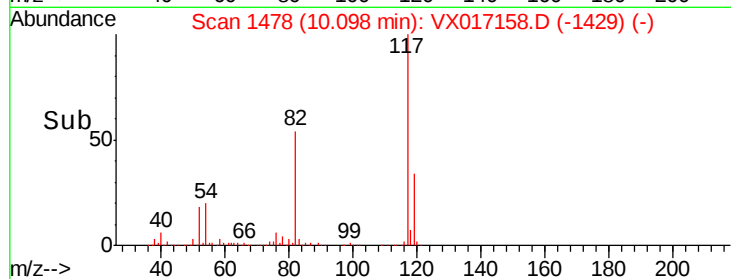
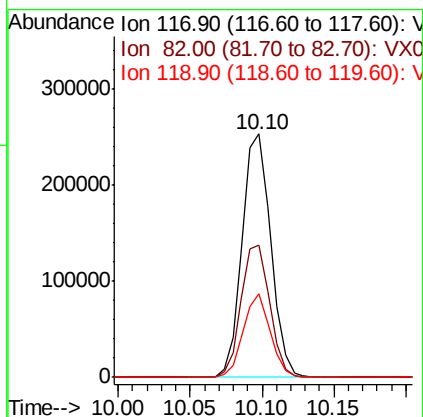
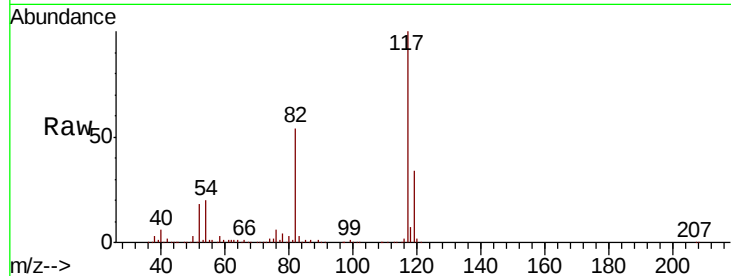




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017158.D
Acq: 02 Jul 2020 18:57

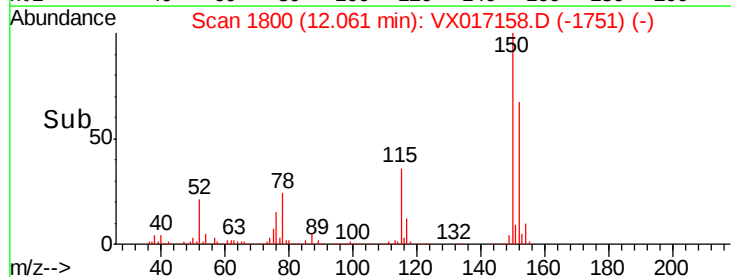
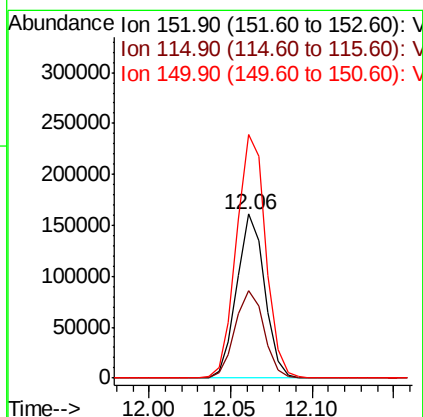
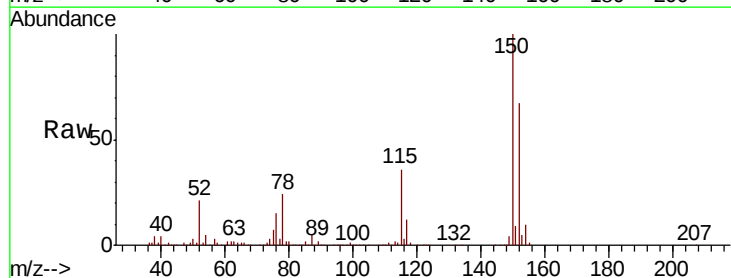
Instrument :
MSVOA_X
ClientSampleId :

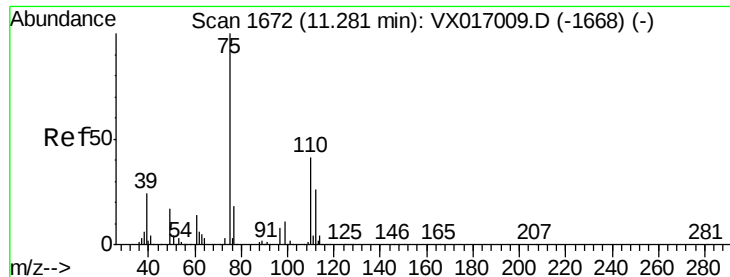
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.6	63.8
119	34.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017158.D
Acq: 02 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	40.9	122.7
150	155.3	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 22.795 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

Instrument :

MSVOA_X

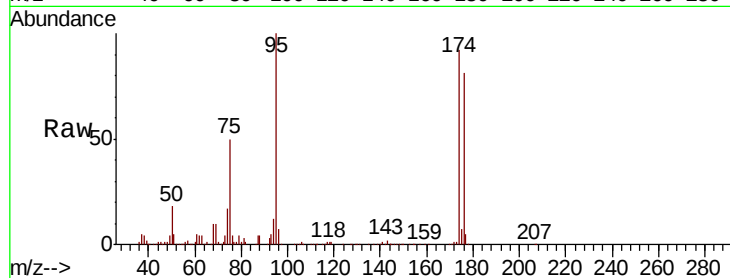
ClientSampleId :

Tot Ion: 75 Resp: 86039

Ion Ratio Lower Upper

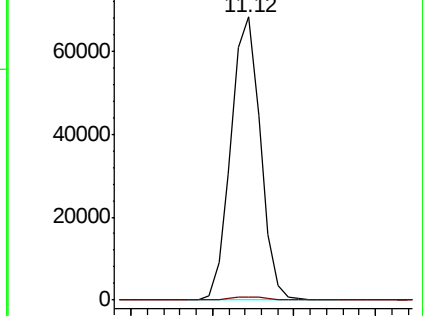
75 100

77 1.4 20.2 60.6#

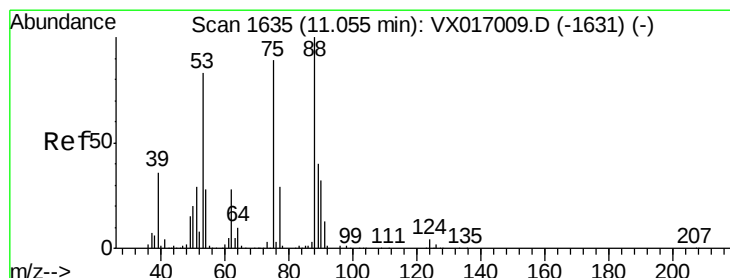
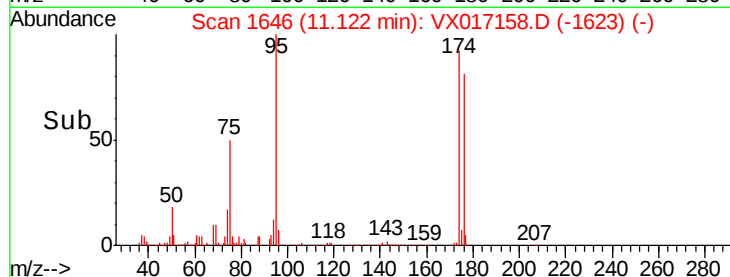


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 59.031 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017158.D

Acq: 02 Jul 2020 18:57

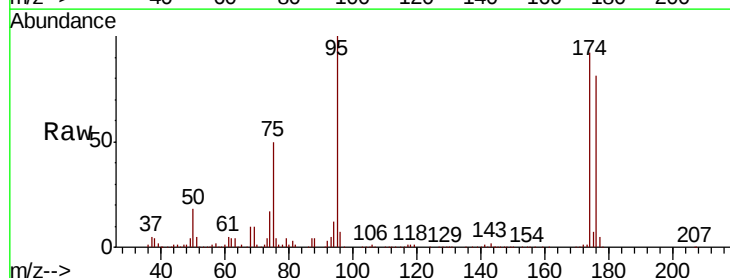
Tgt Ion: 75 Resp: 86039

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

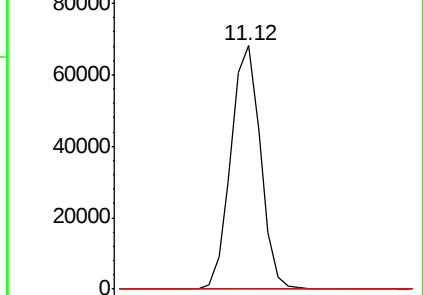
89 0.0 37.0 55.4#



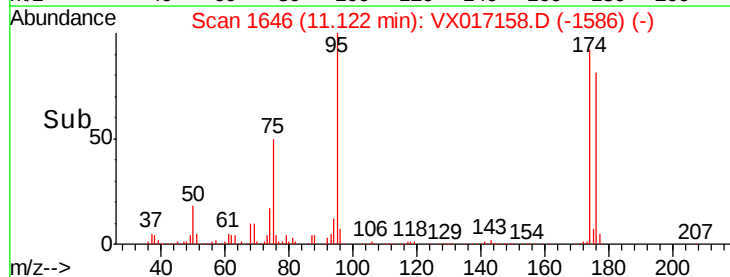
Abundance Ion 74.90 (74.60 to 75.60): VX0

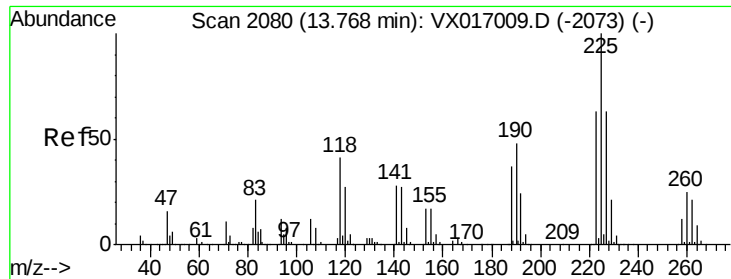
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time--> 11.05 11.10 11.15 11.20





#94
 Hexachlorobutadiene
 Concen: 0.905 ug/l
 RT: 13.76 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VX017158.D
 Acq: 02 Jul 2020 18:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.5	97.5#
227	0.0	33.1	99.2#

