

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072020\
 Data File : VX017436.D
 Acq On : 20 Jul 2020 16:05
 Operator : JC/SP
 Sample : L3329-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ERM-19

Quant Time: Jul 21 02:04:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	245661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	428237	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	453795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	254438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	167092	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
35) Dibromofluoromethane	5.47	113	144278	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	8.70	98	529168	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.12	95	232053	56.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.28%	

Target Compounds

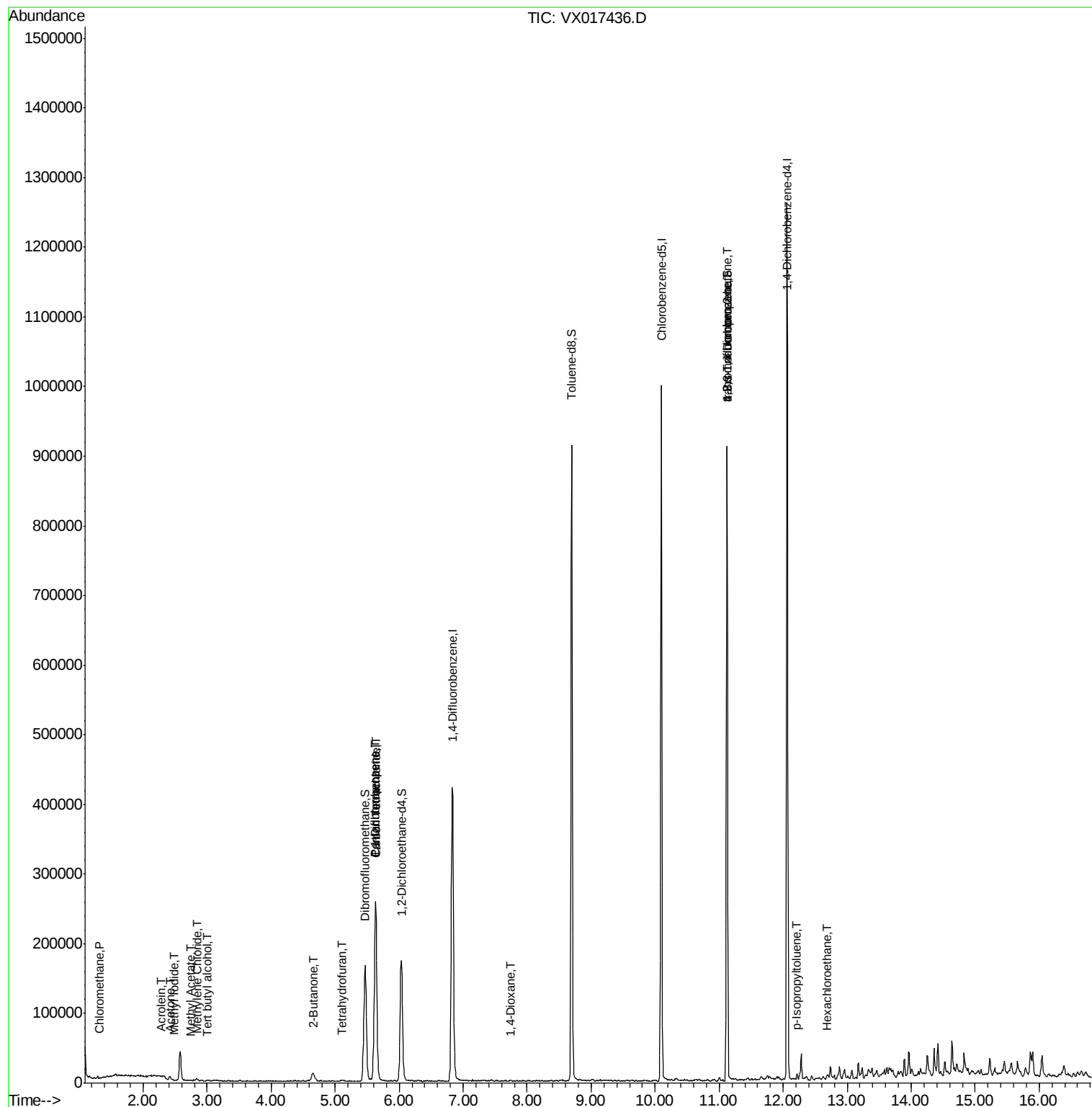
					Qvalue	
3) Chloromethane	1.31	50	760	0.325	ug/l #	83
10) Methyl Iodide	2.49	142	71	2.397	ug/l #	39
11) Tert butyl alcohol	3.00	59	785	1.511	ug/l #	90
13) Acrolein	2.29	56	202	0.709	ug/l #	31
16) Acetone	2.42	43	5617	5.106	ug/l	96
18) Methyl Acetate	2.75	43	938	0.345	ug/l #	66
20) Methylene Chloride	2.84	84	1532	0.571	ug/l #	83
25) 2-Butanone	4.66	43	1130	0.647	ug/l #	81
29) Tetrahydrofuran	5.10	42	668	0.591	ug/l #	47
36) 1,1-Dichloropropene	5.63	75	18156	4.609	ug/l #	49
38) Carbon Tetrachloride	5.64	117	24642	5.343	ug/l #	18
49) 1,4-Dioxane	7.73	88	61	0.954	ug/l #	81
76) 1,2,3-Trichloropropane	11.12	75	113307	24.100	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	113307	61.136	ug/l #	11
86) p-Isopropyltoluene	12.22	119	3127	0.216	ug/l	78
90) Hexachloroethane	12.68	117	933	0.339	ug/l #	8

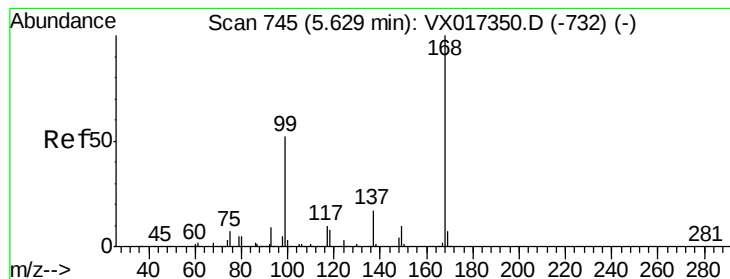
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

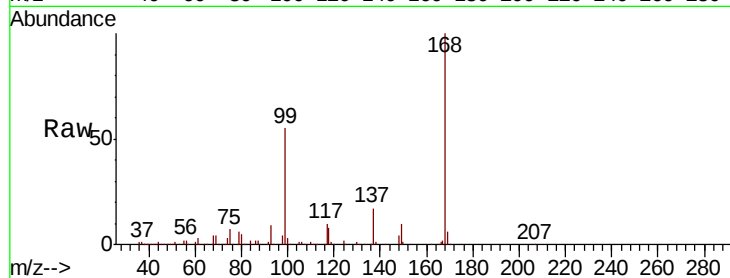
ERM-19

Tot Ion:168 Resp: 245661

Ion Ratio Lower Upper

168 100

99 55.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

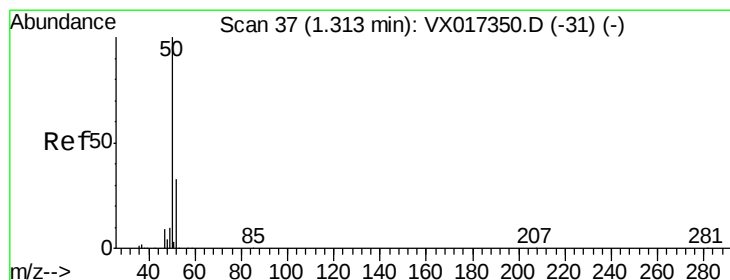
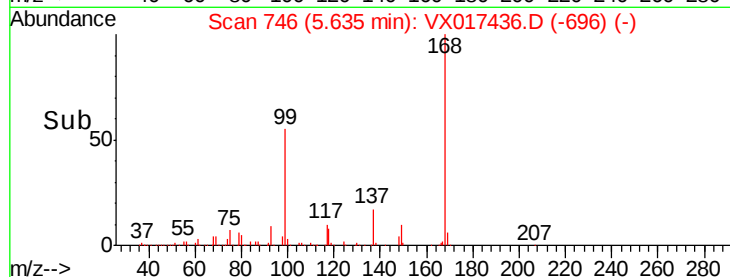
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.325 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017436.D

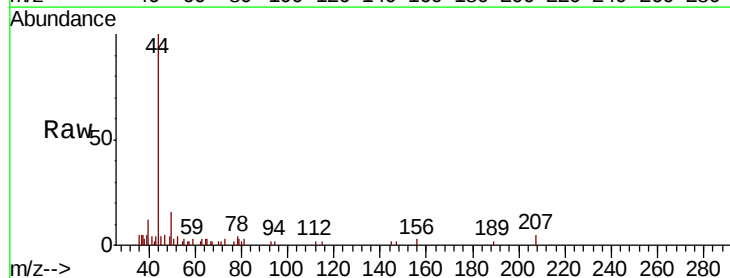
Acq: 20 Jul 2020 16:05

Tgt Ion: 50 Resp: 760

Ion Ratio Lower Upper

50 100

52 23.8 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

500

400

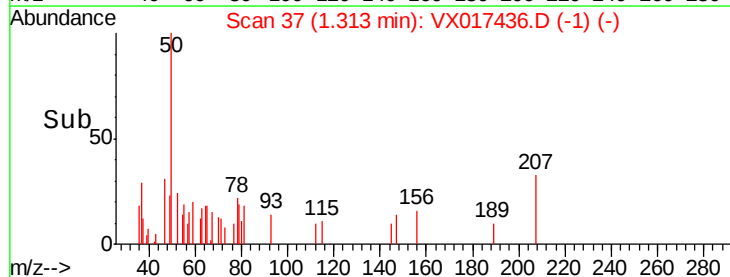
300

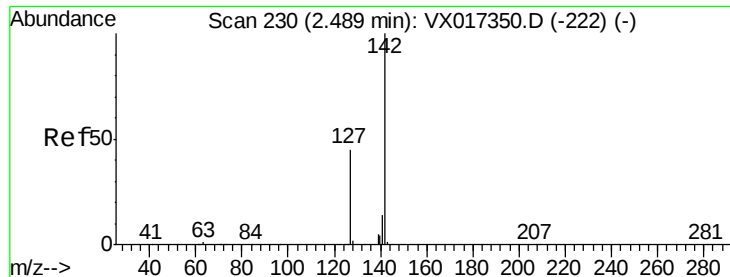
200

100

0

Time-->

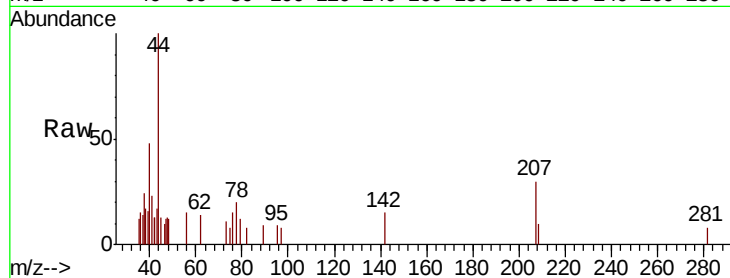




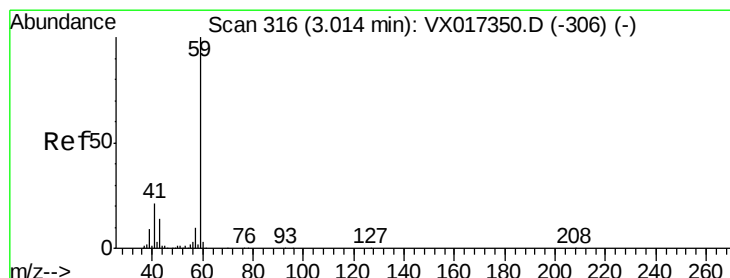
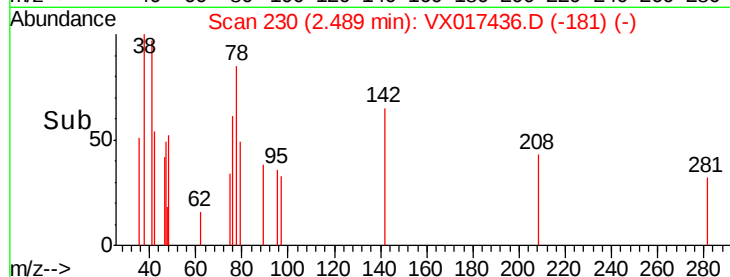
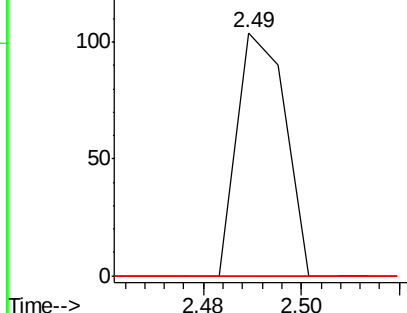
#10
Methyl Iodide
Concen: 2.397 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX017436.D
Acq: 20 Jul 2020 16:05

Instrument :
MSVOA_X
ClientSampled :
ERM-19

Tot Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 36.8 55.2#
141 0.0 11.4 17.0#

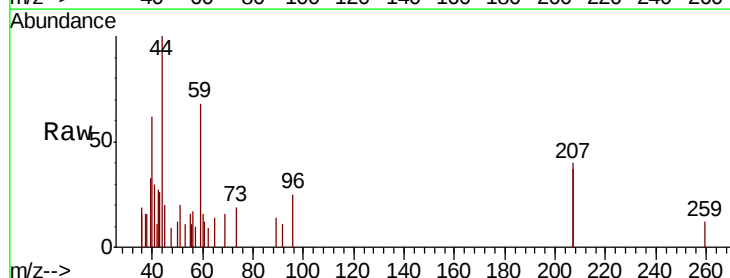


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

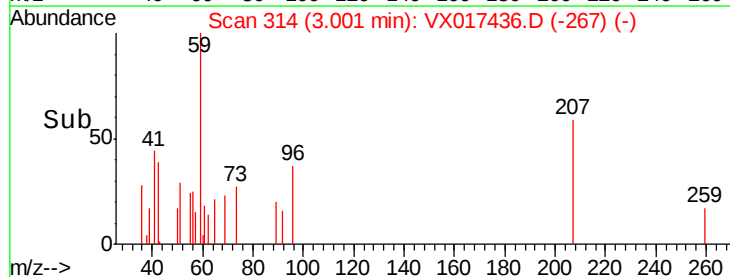
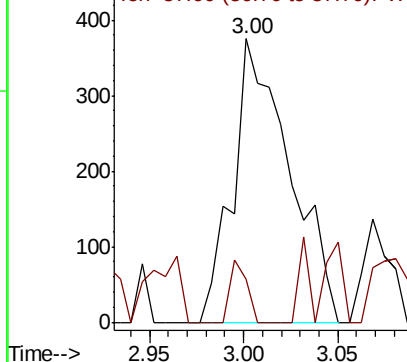


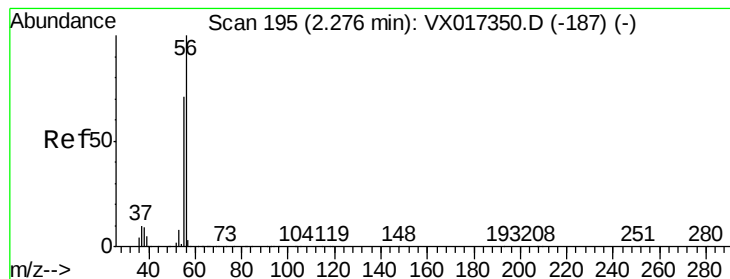
#11
Tert butyl alcohol
Concen: 1.511 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX017436.D
Acq: 20 Jul 2020 16:05

Tgt Ion: 59 Resp: 785
Ion Ratio Lower Upper
59 100
57 6.5 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.709 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

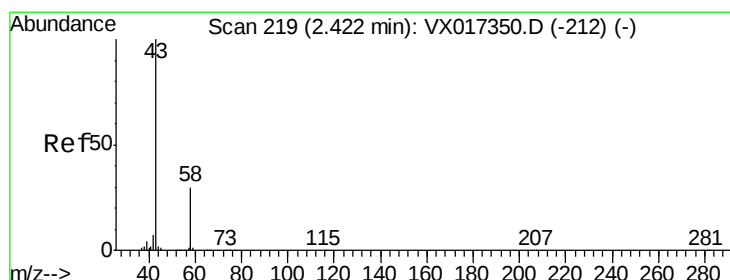
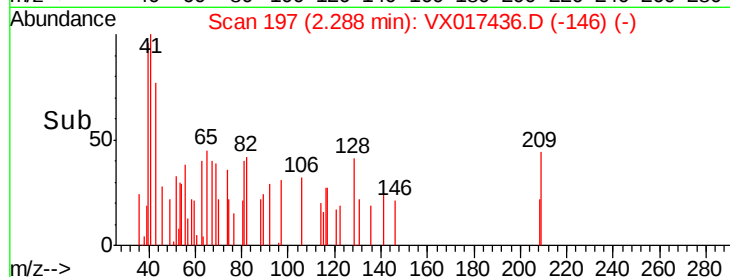
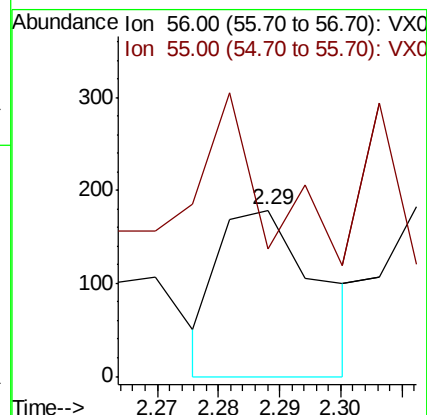
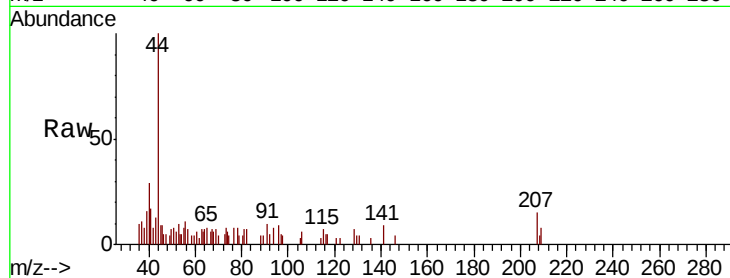
ERM-19

Tot Ion: 56 Resp: 202

Ion Ratio Lower Upper

56 100

55 128.7 57.1 85.7#



#16

Acetone

Concen: 5.106 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017436.D

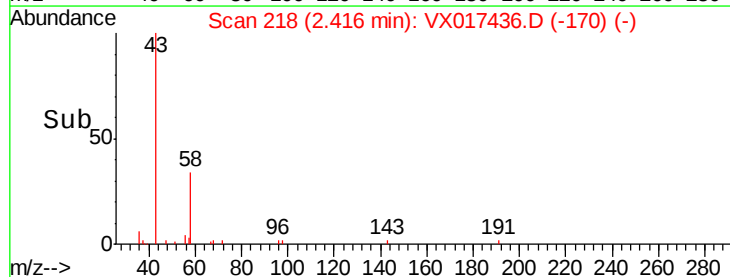
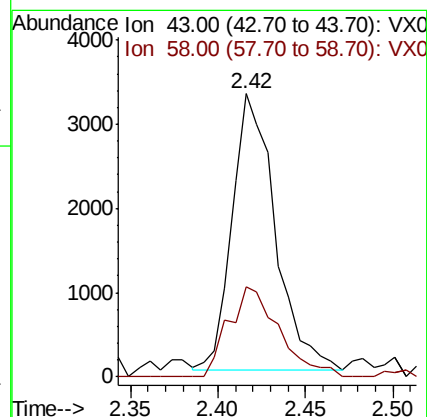
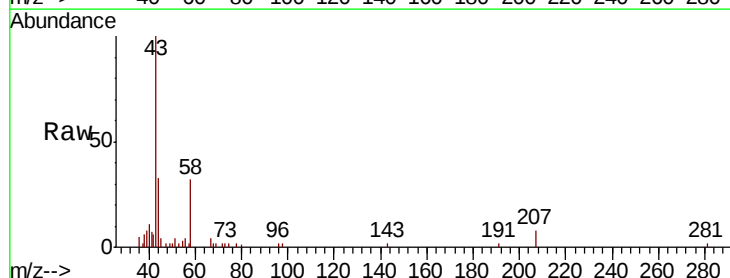
Acq: 20 Jul 2020 16:05

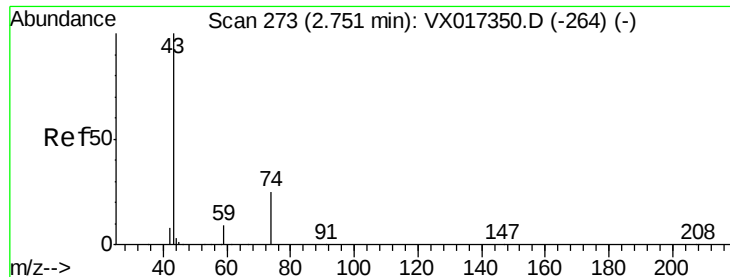
Tgt Ion: 43 Resp: 5617

Ion Ratio Lower Upper

43 100

58 32.5 24.2 36.2

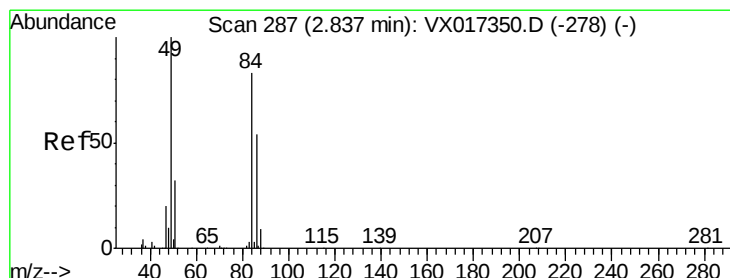
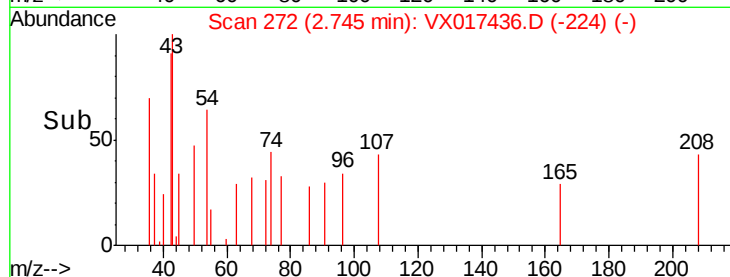
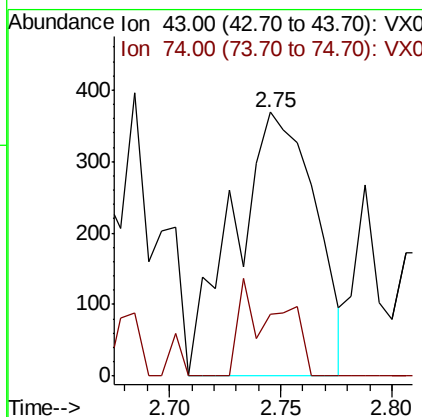
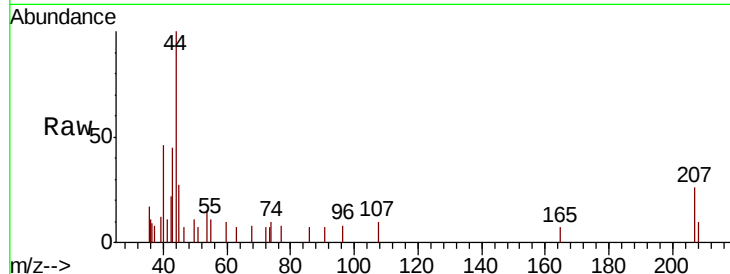




#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017436.D
Acq: 20 Jul 2020 16:05

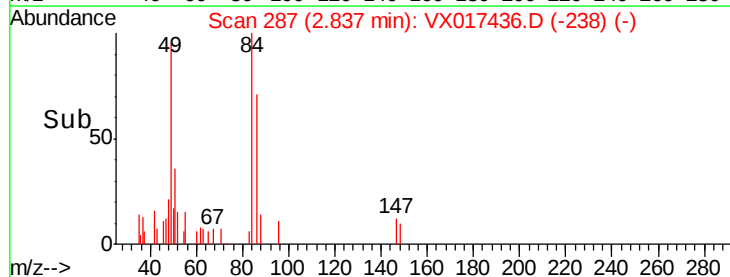
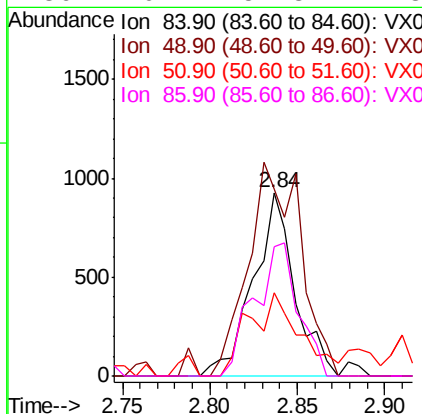
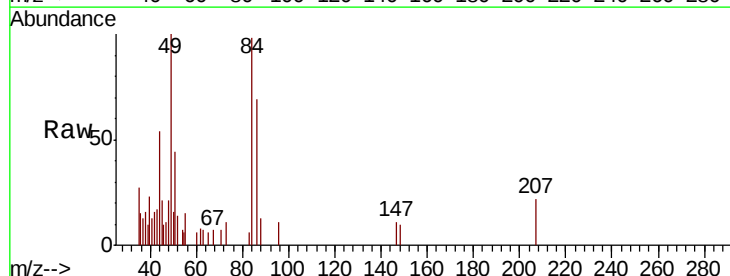
Instrument :
MSVOA_X
ClientSampled :
ERM-19

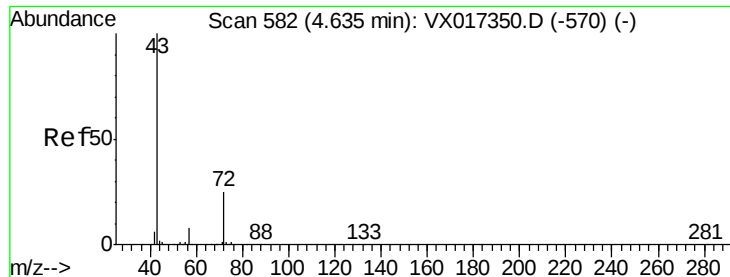
Tot Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
74 7.4 19.4 29.2#



#20
Methylene Chloride
Concen: 0.571 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017436.D
Acq: 20 Jul 2020 16:05

Tgt Ion: 84 Resp: 1532
Ion Ratio Lower Upper
84 100
49 89.0 95.8 143.8#
51 37.9 31.0 46.4
86 70.7 51.8 77.8





#25

2-Butanone

Concen: 0.647 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

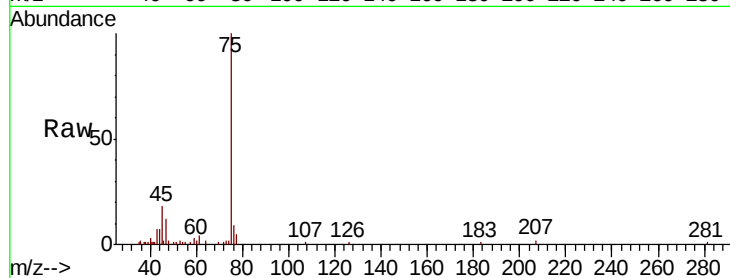
ERM-19

Tot Ion: 43 Resp: 1130

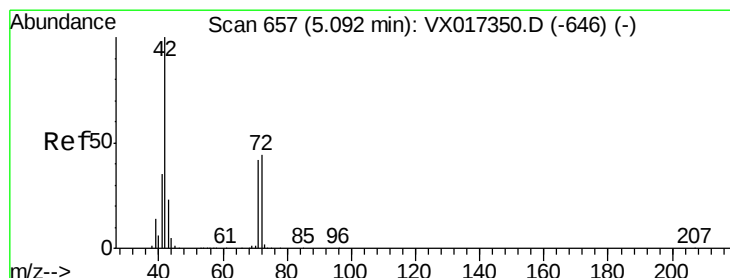
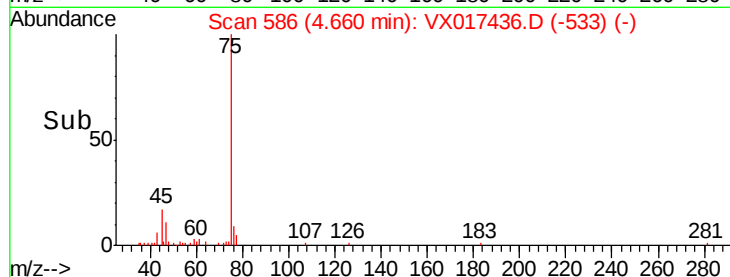
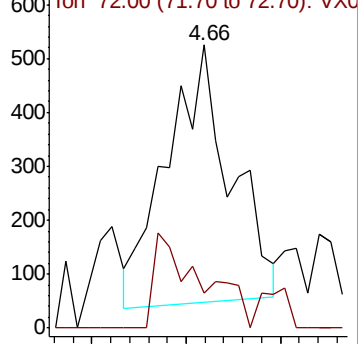
Ion Ratio Lower Upper

43 100

72 15.9 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.591 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

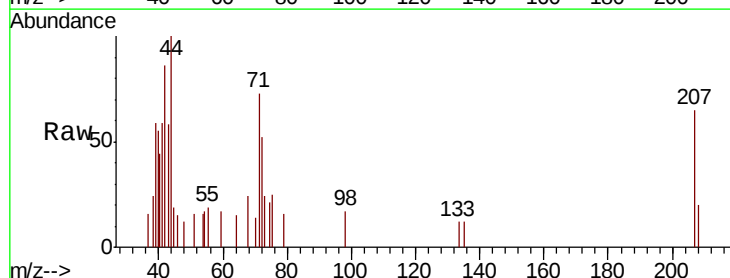
Tgt Ion: 42 Resp: 668

Ion Ratio Lower Upper

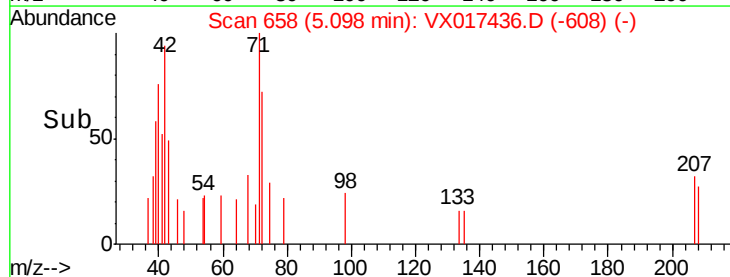
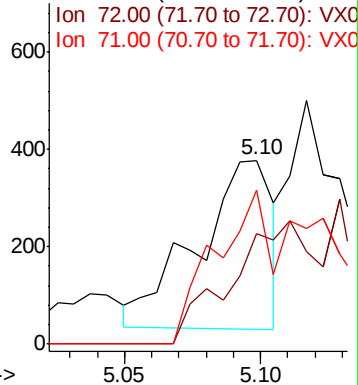
42 100

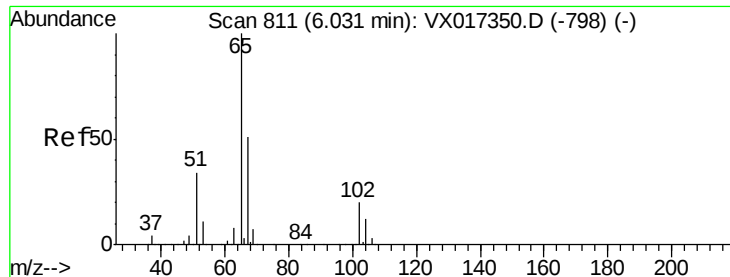
72 0.0 37.2 55.8#

71 65.1 34.4 51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.193 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

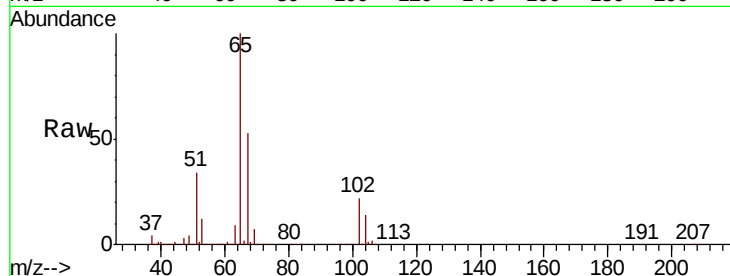
ERM-19

Tot Ion: 65 Resp: 167092

Ion Ratio Lower Upper

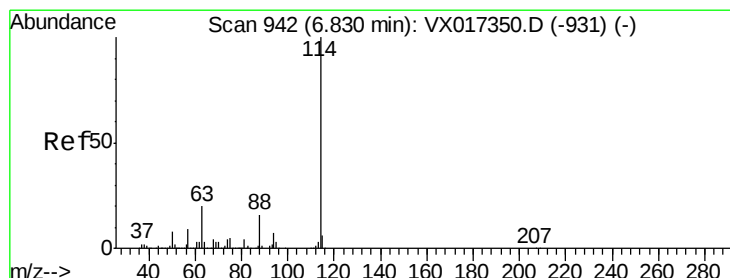
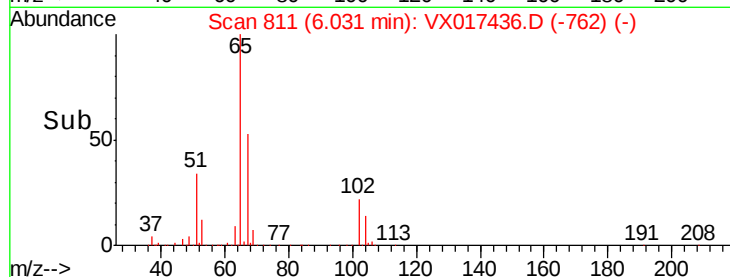
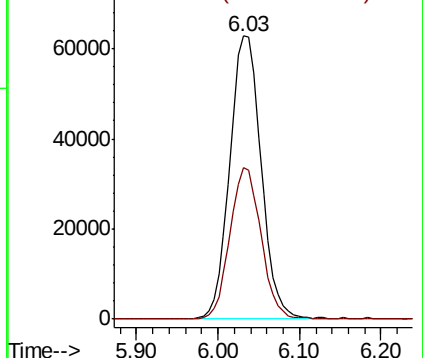
65 100

67 53.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

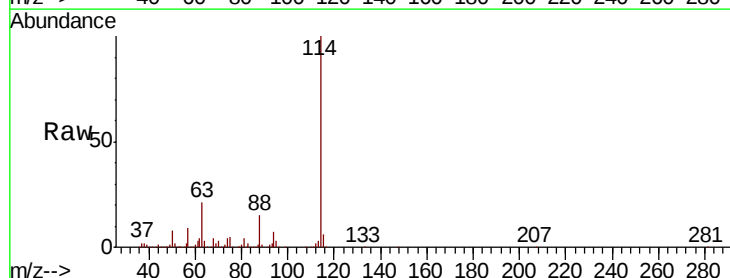
Tgt Ion: 114 Resp: 428237

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.0

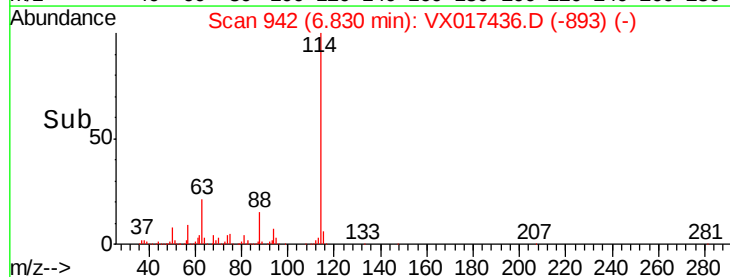
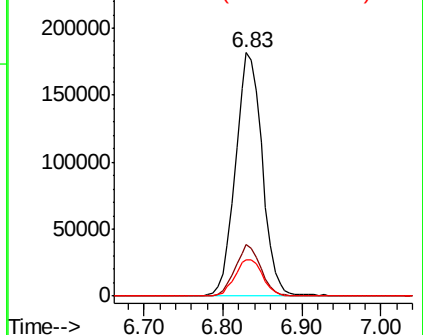
88 15.1 0.0 32.8

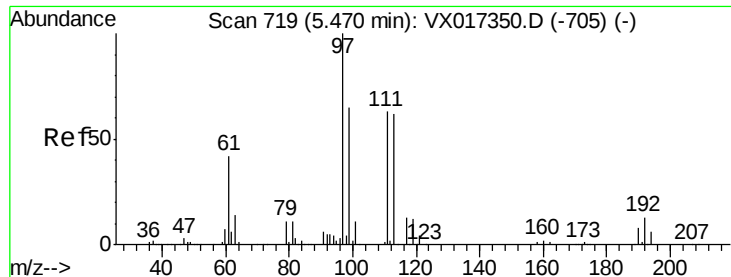


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.015 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

ERM-19

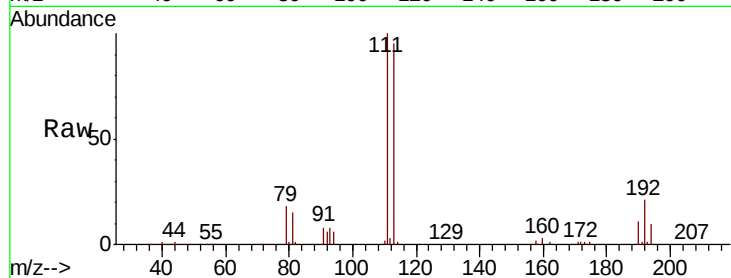
Tot Ion:113 Resp: 144278

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

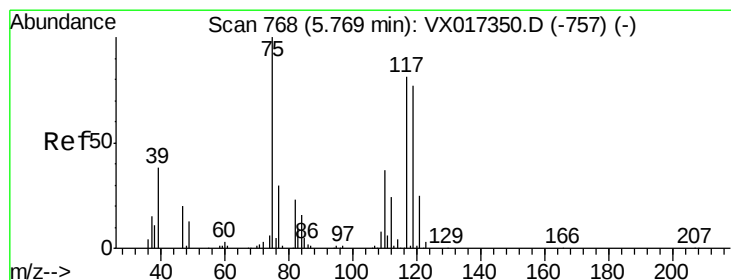
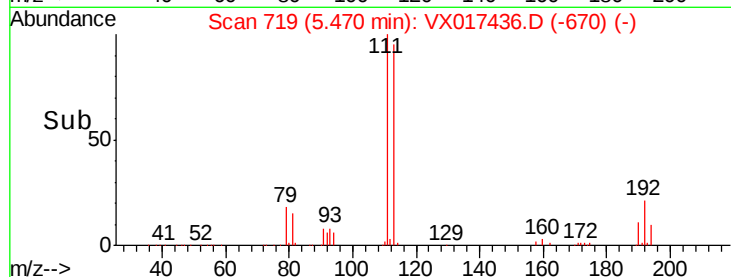
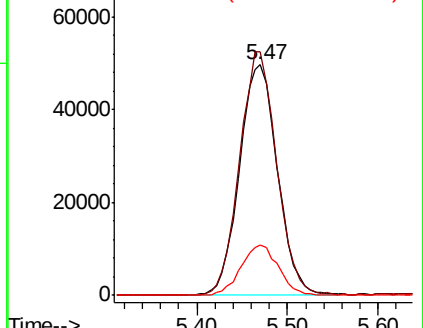
192 21.6 17.2 25.8



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: 4.609 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

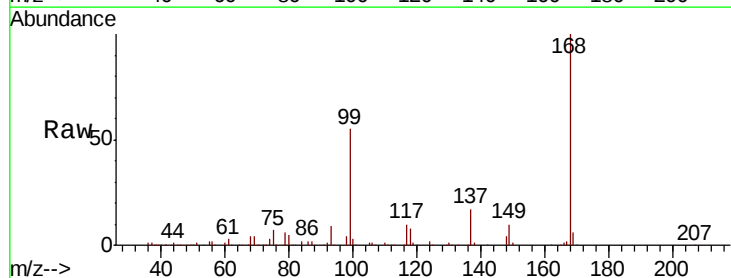
Tgt Ion: 75 Resp: 18156

Ion Ratio Lower Upper

75 100

110 9.8 18.6 55.8#

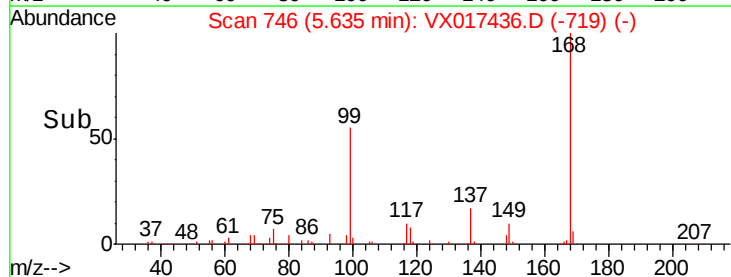
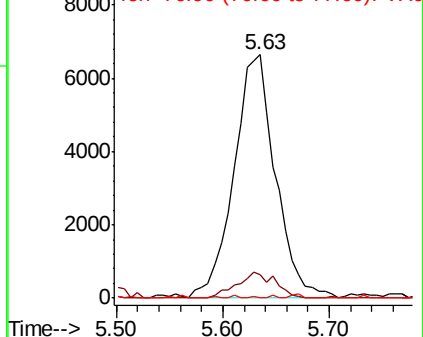
77 0.1 24.9 37.3#

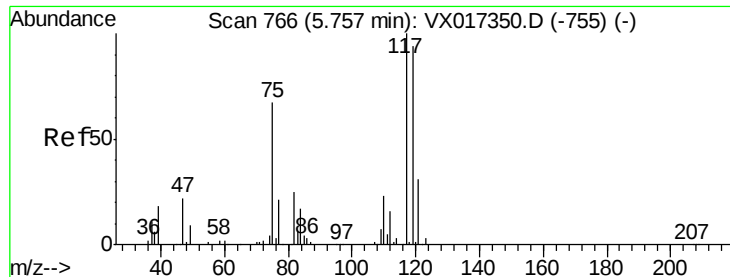


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.343 ug/l

RT: 5.64 min Scan# 747

Delta R.T. -0.12 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

ERM-19

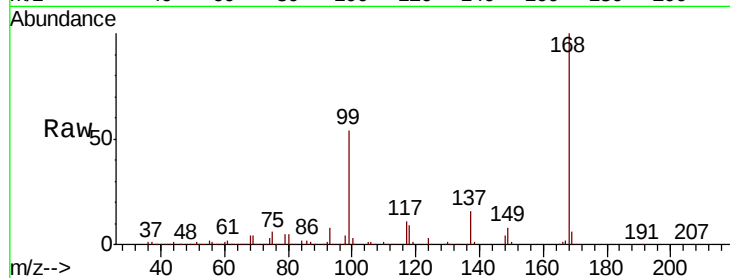
Tot Ion:117 Resp: 24642

Ion Ratio Lower Upper

117 100

119 6.1 74.7 112.1#

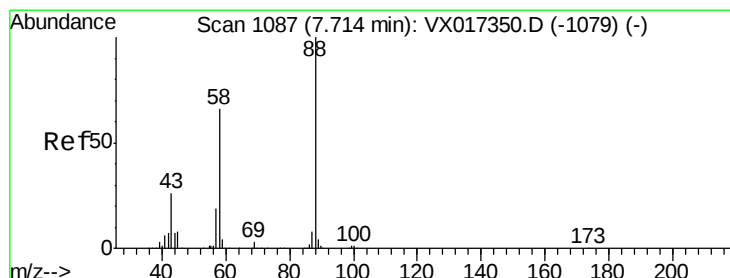
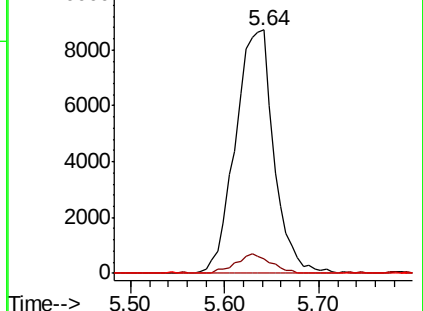
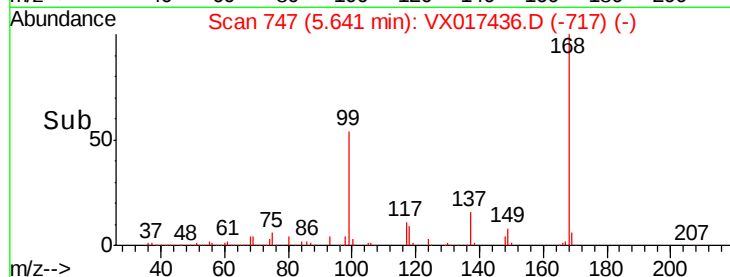
121 0.0 24.5 36.7#



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: 0.954 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

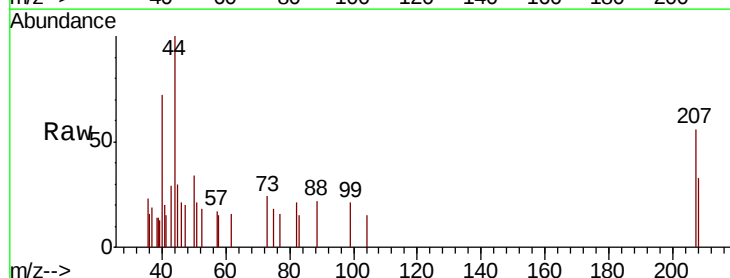
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

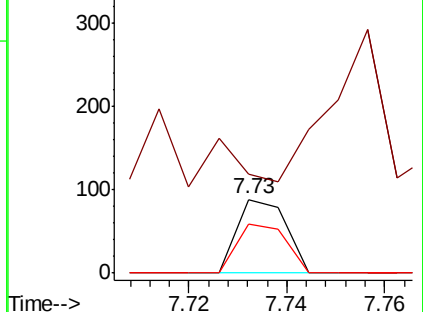
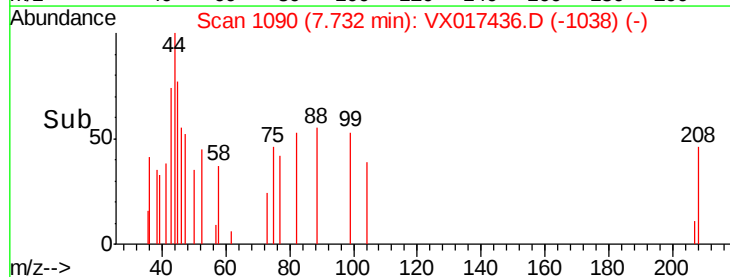
58 67.2 53.9 80.9

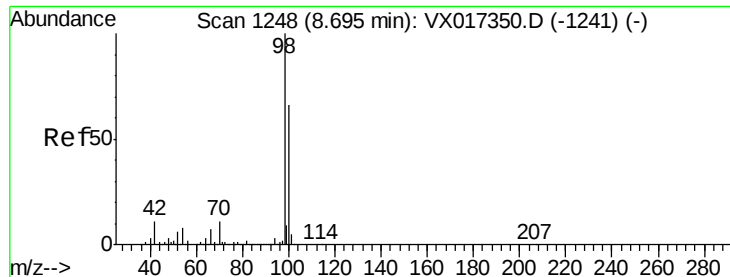


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.855 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

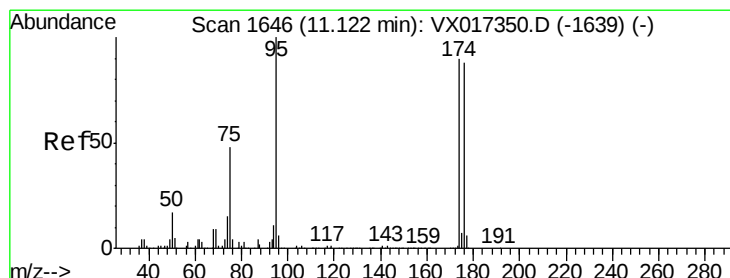
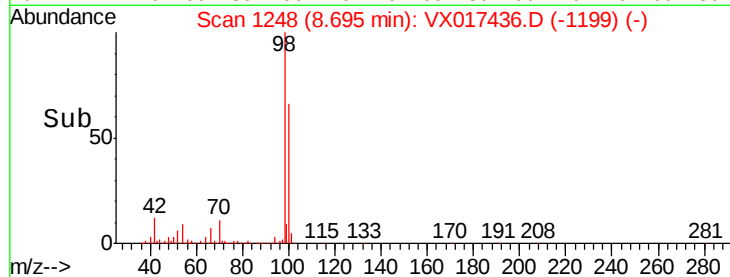
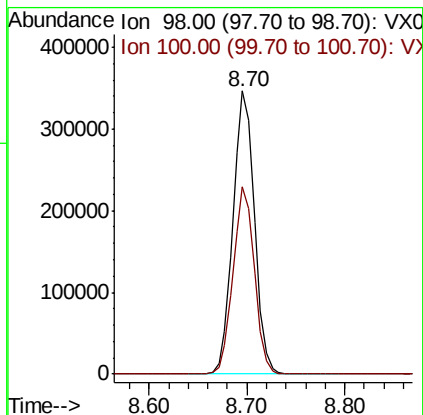
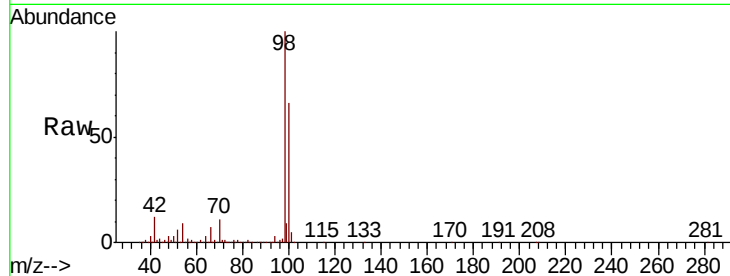
ERM-19

Tot Ion: 98 Resp: 529168

Ion Ratio Lower Upper

98 100

100 65.8 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 56.143 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017436.D

Acq: 20 Jul 2020 16:05

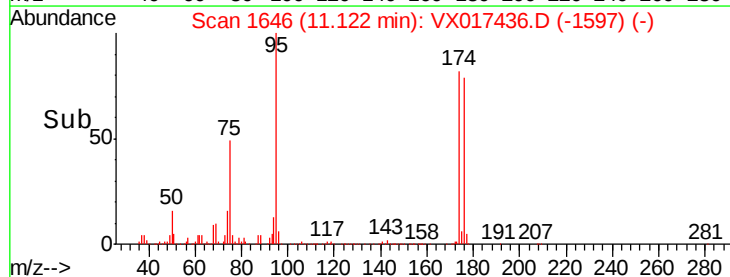
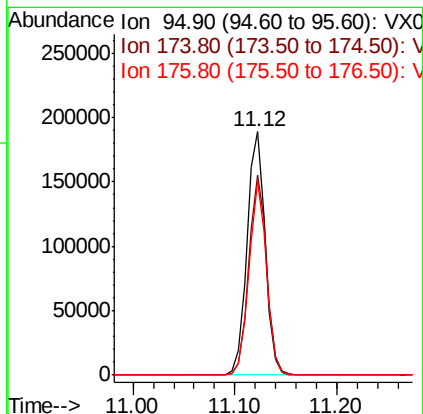
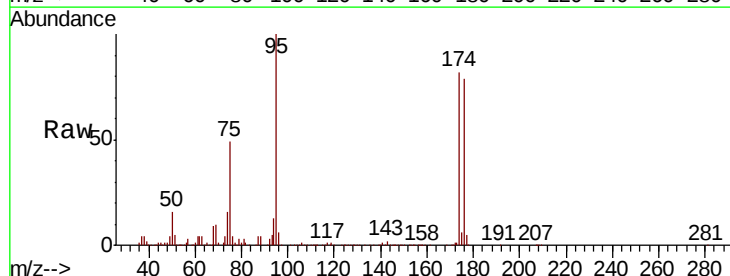
Tgt Ion: 95 Resp: 232053

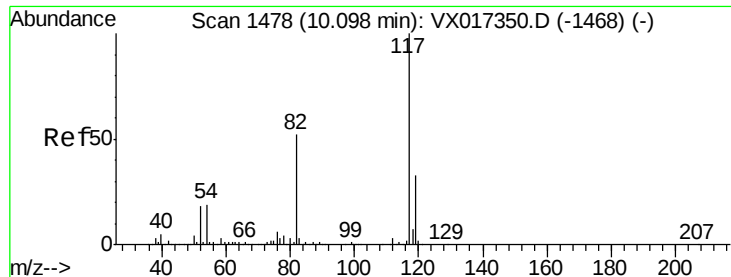
Ion Ratio Lower Upper

95 100

174 81.8 0.0 175.8

176 77.3 0.0 164.6

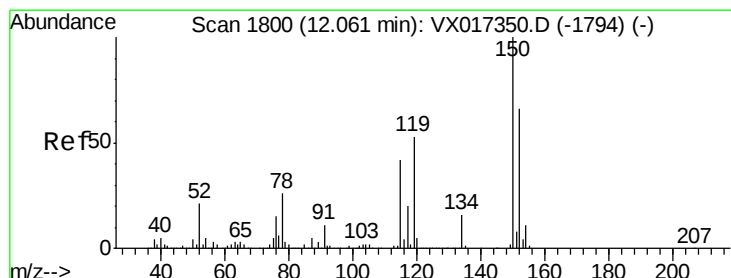
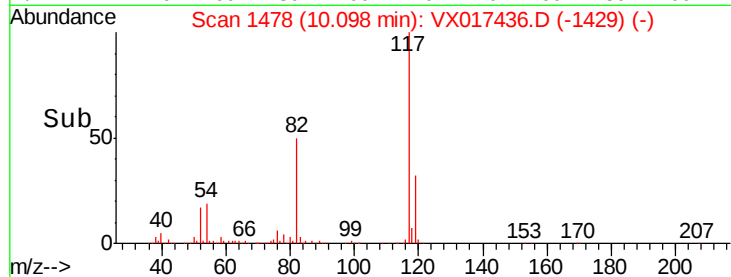
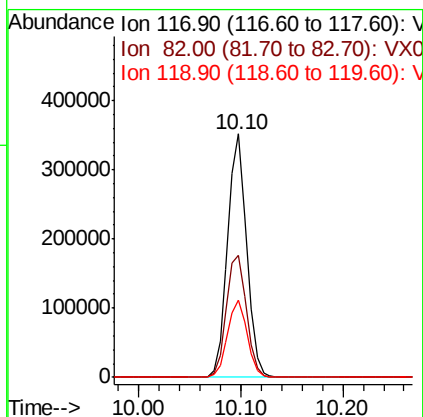
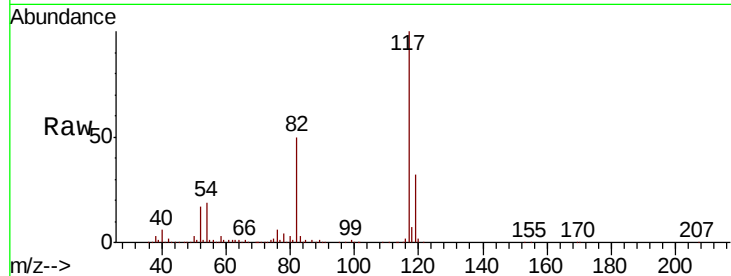




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017436.D
Acq: 20 Jul 2020 16:05

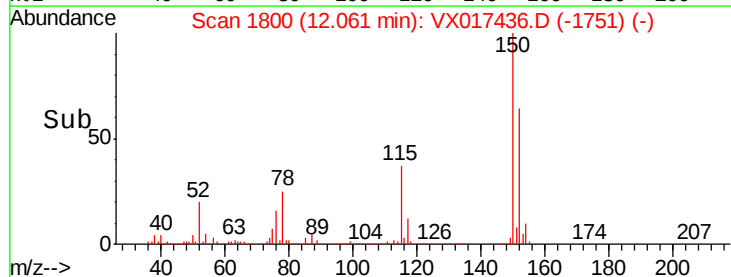
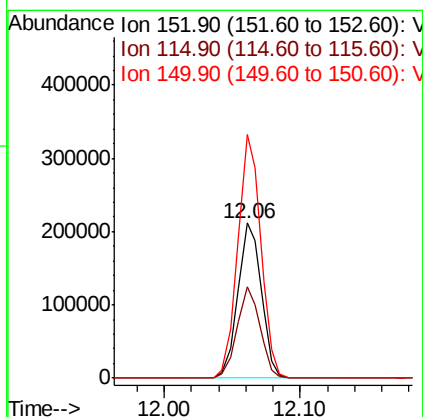
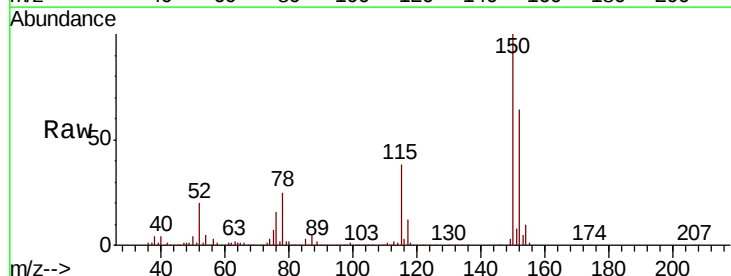
Instrument :
MSVOA_X
ClientSampleId :
ERM-19

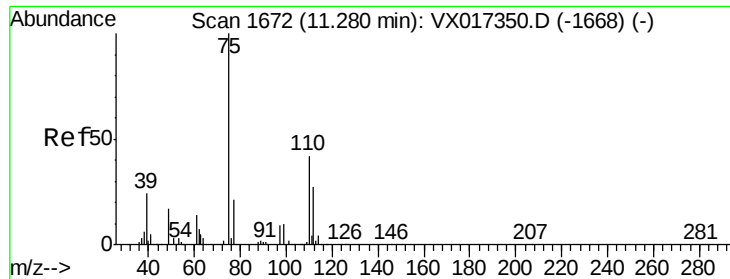
Tot Ion:117 Resp: 453795
Ion Ratio Lower Upper
117 100
82 50.3 42.0 63.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017436.D
Acq: 20 Jul 2020 16:05

Tgt Ion:152 Resp: 254438
Ion Ratio Lower Upper
152 100
115 57.5 39.9 119.7
150 153.9 0.0 343.4

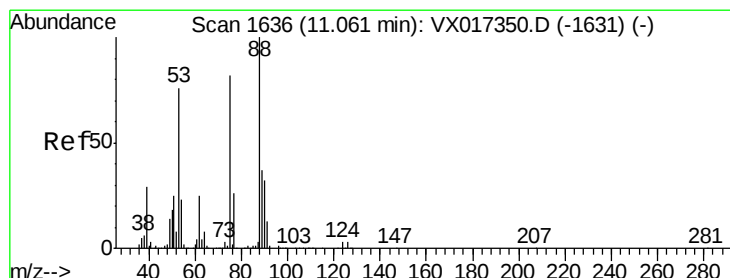
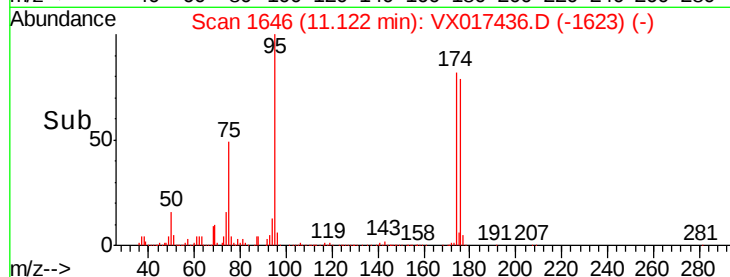
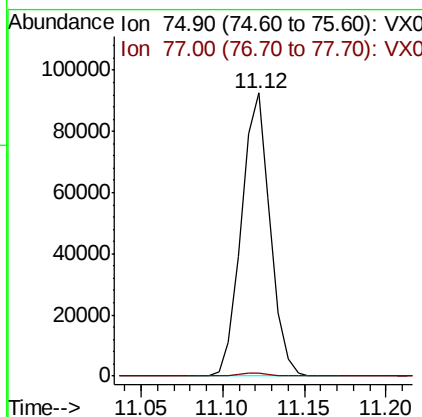
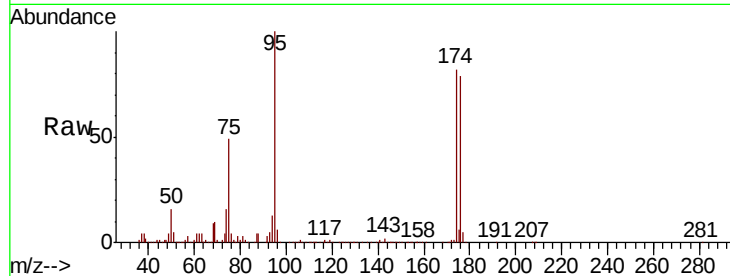




#76
 1,2,3-Trichloropropane
 Concen: 24.100 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017436.D
 Acq: 20 Jul 2020 16:05

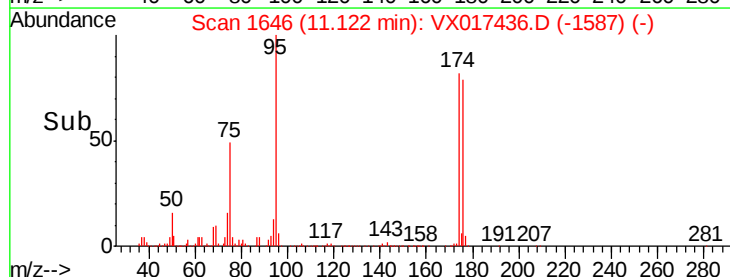
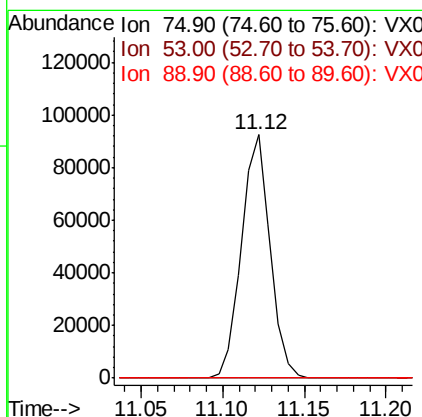
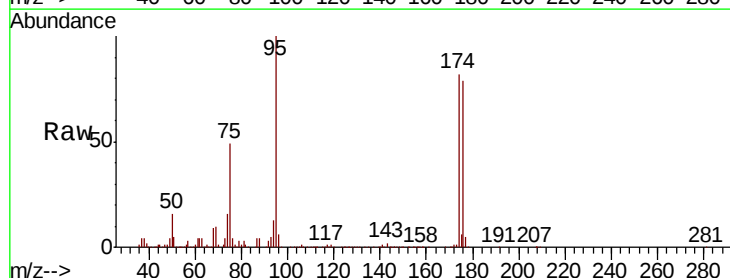
Instrument :
 MSVOA_X
 ClientSampled :
 ERM-19

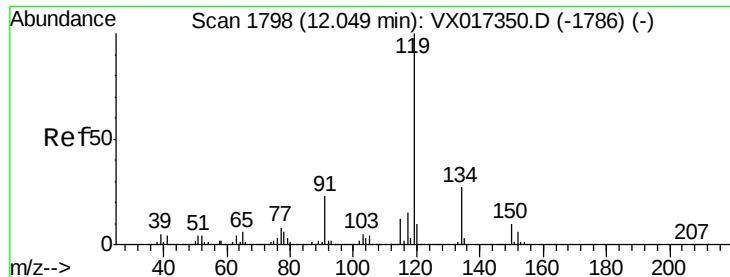
Tot Ion: 75 Resp: 113307
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.136 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017436.D
 Acq: 20 Jul 2020 16:05

Tgt Ion: 75 Resp: 113307
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.5 114.7#
 89 0.0 38.1 57.1#

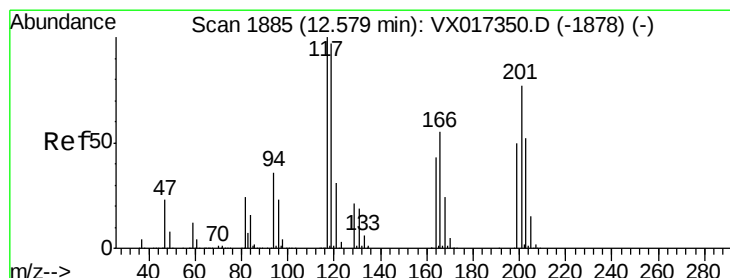
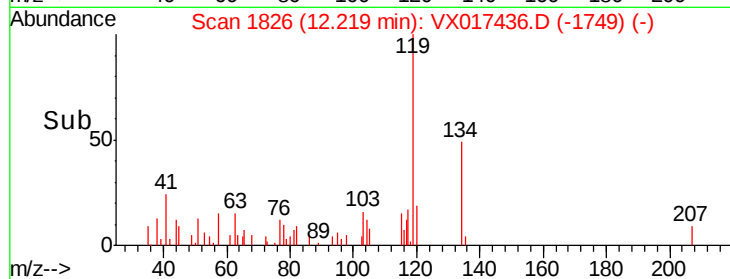
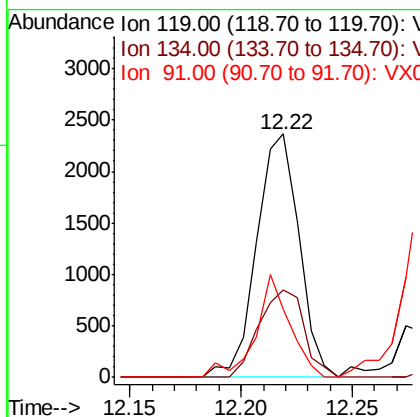
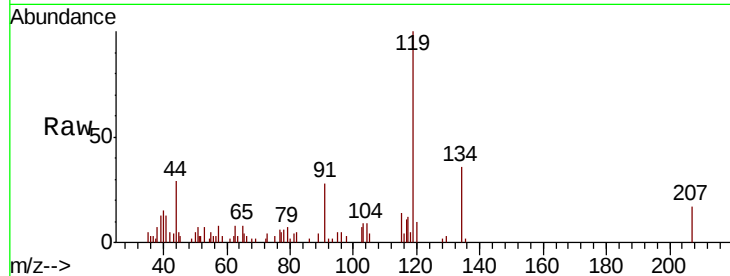




#86
 p-Isopropyltoluene
 Concen: 0.216 ug/l
 RT: 12.22 min Scan# 1826
 Delta R.T. 0.17 min
 Lab File: VX017436.D
 Acq: 20 Jul 2020 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 ERM-19

Tot Ion:119 Resp: 3127
 Ion Ratio Lower Upper
 119 100
 134 38.4 13.5 40.5
 91 34.0 11.8 35.3



#90
 Hexachloroethane
 Concen: 0.339 ug/l
 RT: 12.68 min Scan# 1902
 Delta R.T. 0.10 min
 Lab File: VX017436.D
 Acq: 20 Jul 2020 16:05

Tgt Ion:117 Resp: 933
 Ion Ratio Lower Upper
 117 100
 201 0.0 41.0 123.0#

