

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019111.D
 Acq On : 24 Oct 2020 06:43
 Operator : JC/SP
 Sample : L4494-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AB-EH

Quant Time: Oct 26 05:40:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	262938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	451211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214878	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	162375	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
35) Dibromofluoromethane	5.46	113	141819	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	8.70	98	559409	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.12	95	198671	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	

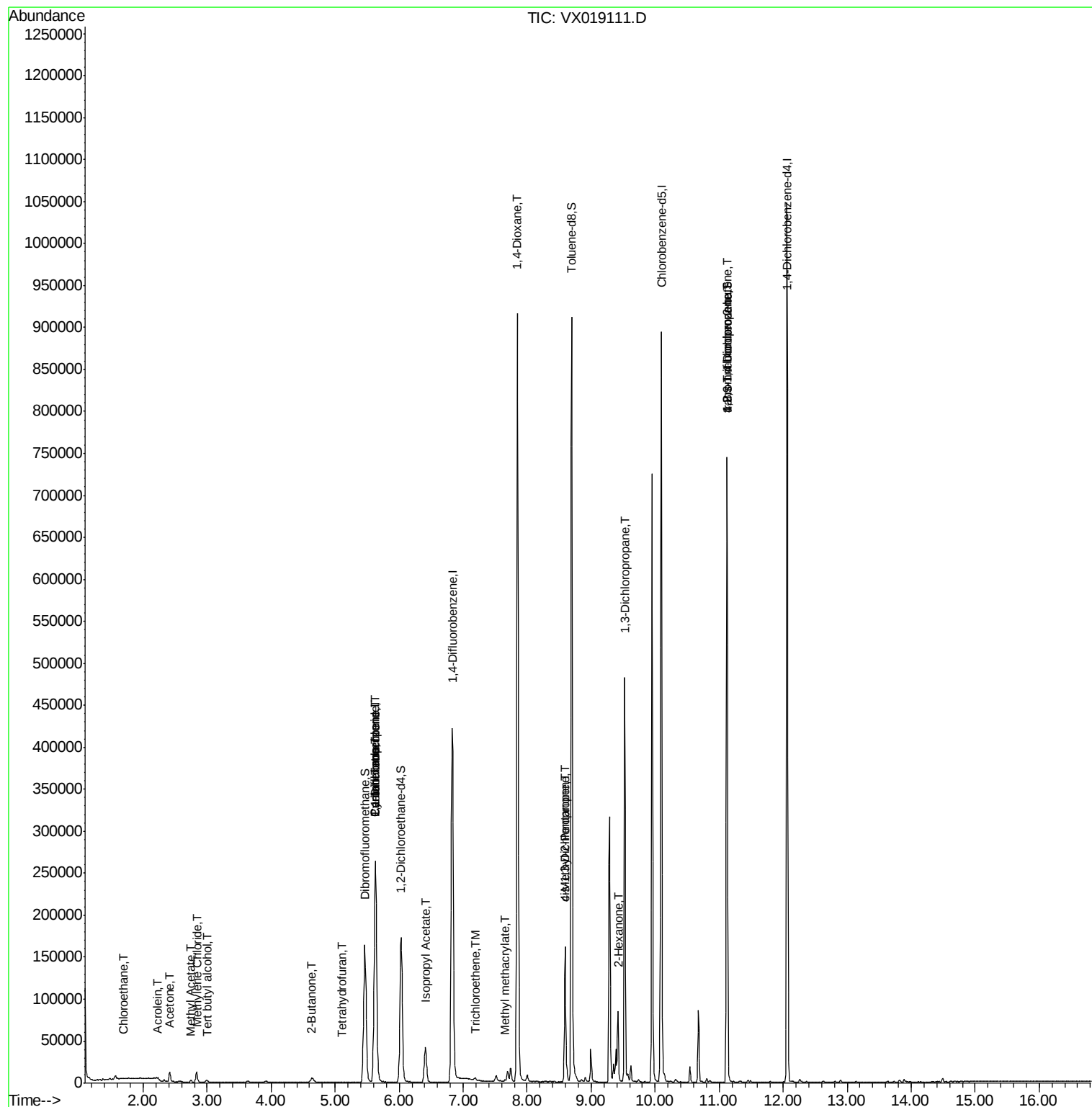
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	210	Below Cal	#	53
6) Chloroethane	1.70	64	62	1.296	ug/l #	43
11) Tert butyl alcohol	3.00	59	1548	2.427	ug/l #	73
13) Acrolein	2.23	56	180	14.333	ug/l #	16
16) Acetone	2.42	43	11842	11.039	ug/l	95
18) Methyl Acetate	2.75	43	2412	0.906	ug/l	99
20) Methylene Chloride	2.84	84	6043	2.023	ug/l	96
25) 2-Butanone	4.64	43	2709	1.598	ug/l	97
29) Tetrahydrofuran	5.11	42	797	0.787	ug/l #	51
31) Cyclohexane	5.63	56	4881	1.323	ug/l #	2
36) 1,1-Dichloropropene	5.62	75	19266	4.759	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25348	5.965	ug/l #	17
43) Isopropyl Acetate	6.41	43	54726	9.351	ug/l	100
44) Trichloroethene	7.19	130	1044	0.300	ug/l	86
48) Methyl methacrylate	7.65	41	3063	1.062	ug/l #	5
49) 1,4-Dioxane	7.85	88	156	2.394	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	53885	15.625	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	29959	5.882	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	4644	0.911	ug/l #	42
59) 2-Hexanone	9.42	43	49720	19.347	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	99466	23.160	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	99466	59.005	ug/l #	15

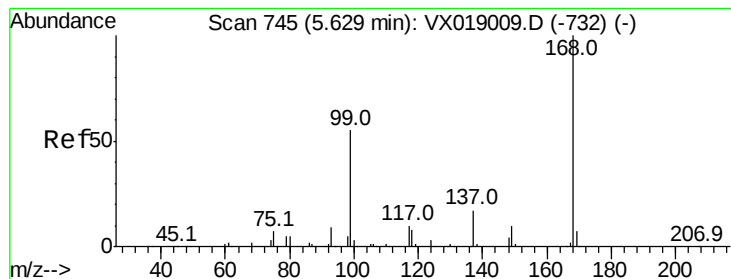
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampled :

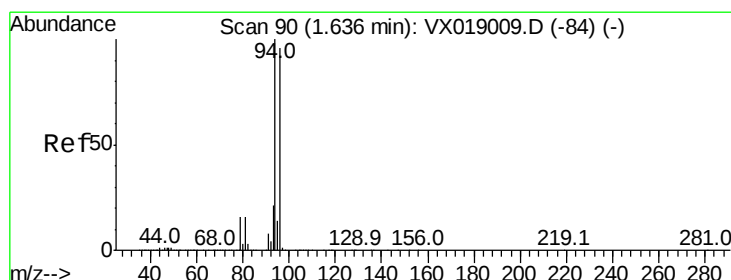
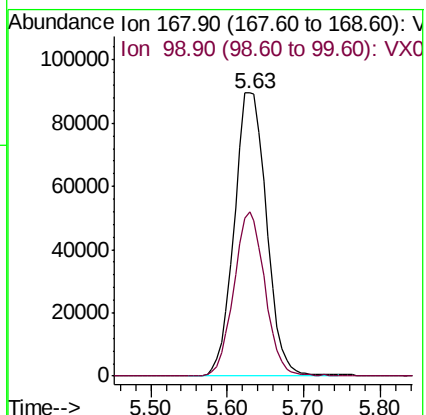
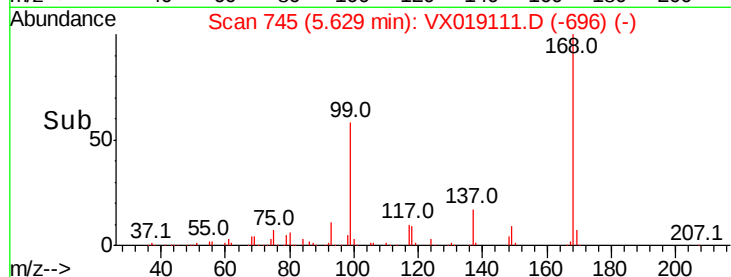
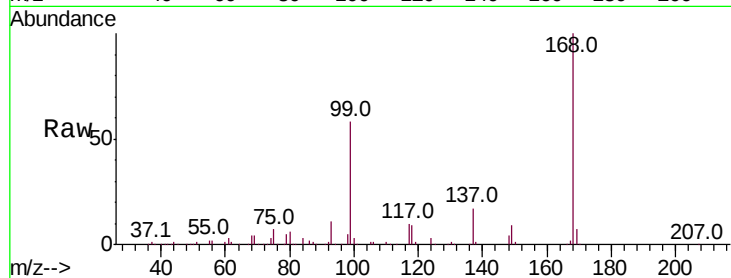
AB-EH

Tot Ion:168 Resp: 262938

Ion Ratio Lower Upper

168 100

99 58.1 44.2 66.2



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019111.D

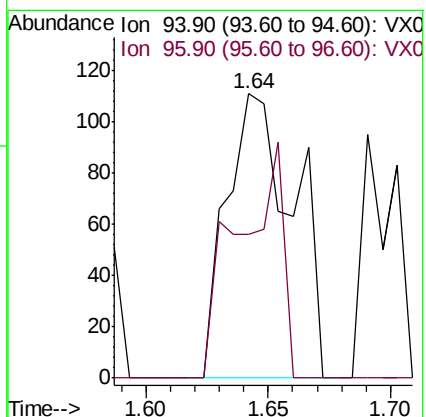
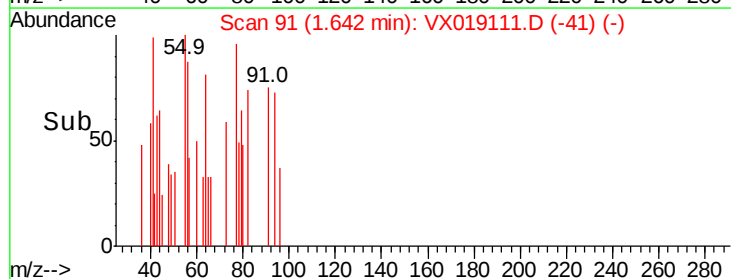
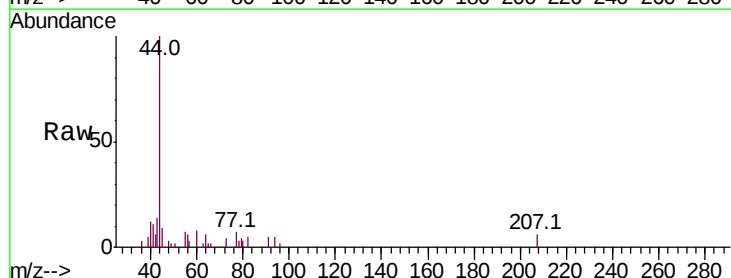
Acq: 24 Oct 2020 06:43

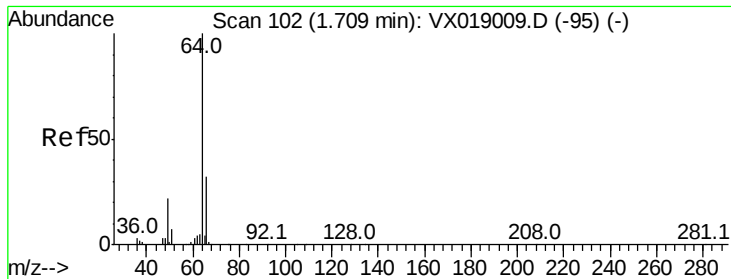
Tgt Ion: 94 Resp: 210

Ion Ratio Lower Upper

94 100

96 50.5 77.1 115.7#





#6

Chloroethane

Concen: 1.296 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampleId :

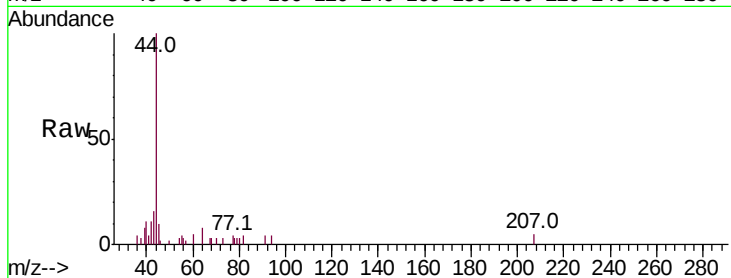
AB-EH

Tot Ion: 64 Resp: 62

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

150

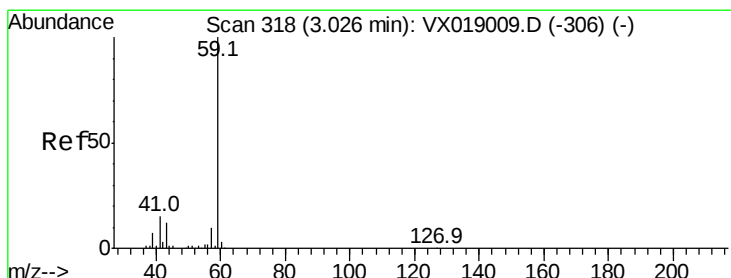
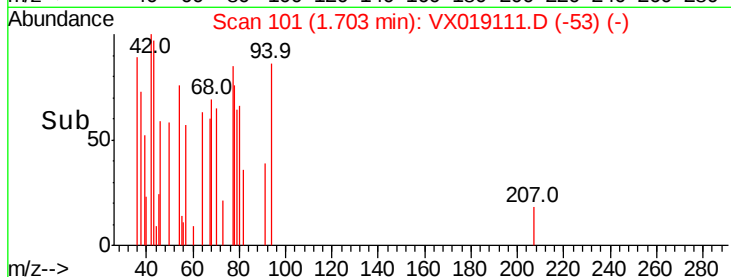
100

50

0

1.68 1.69 1.70 1.71 1.72

Time-->



#11

Tert butyl alcohol

Concen: 2.427 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019111.D

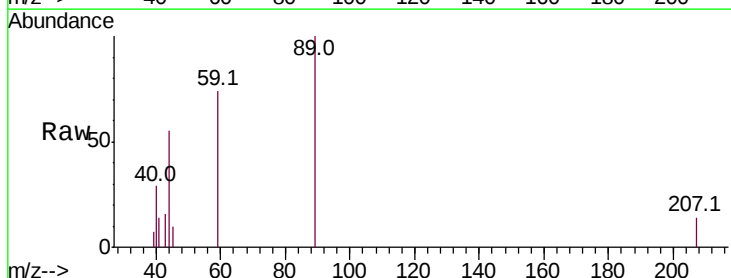
Acq: 24 Oct 2020 06:43

Tgt Ion: 59 Resp: 1548

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

600

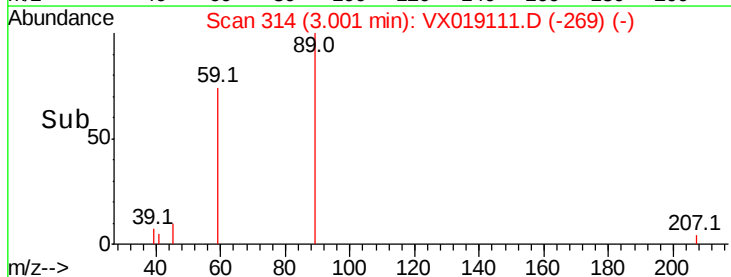
400

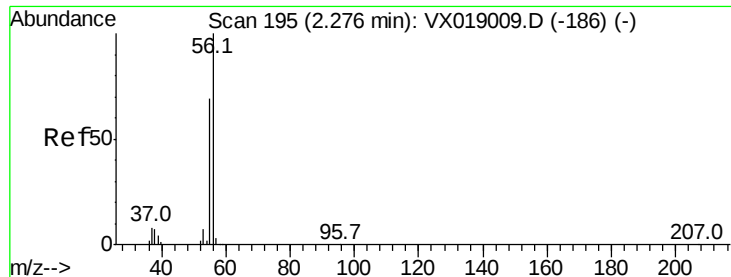
200

0

2.90 2.95 3.00 3.05

Time-->





#13

Acrolein

Concen: 14.333 ug/l

RT: 2.23 min Scan# 188

Delta R.T. -0.04 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampleId :

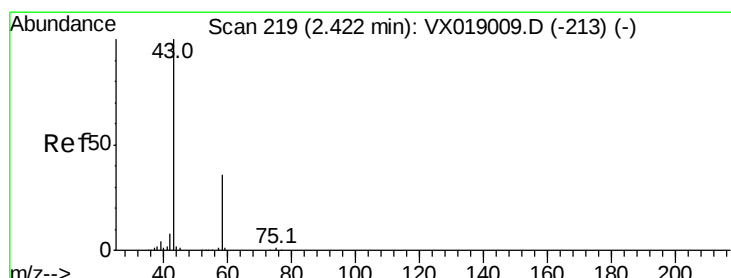
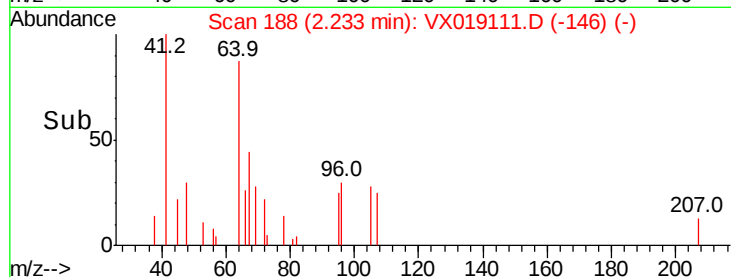
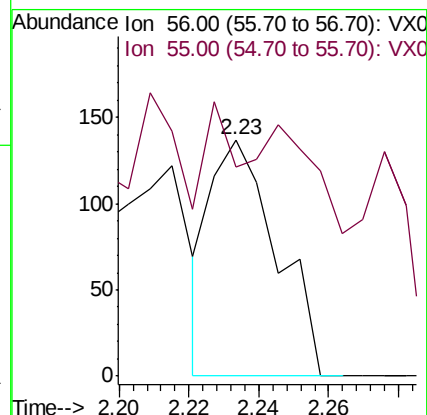
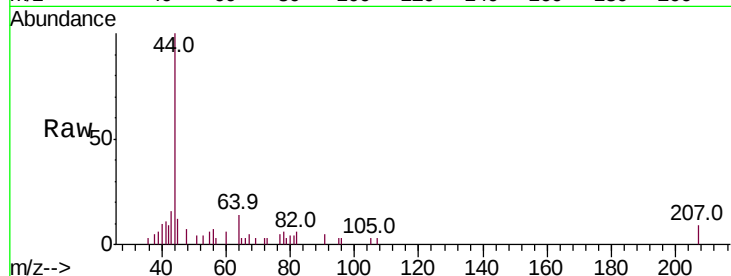
AB-EH

Tot Ion: 56 Resp: 180

Ion Ratio Lower Upper

56 100

55 0.0 54.2 81.4#



#16

Acetone

Concen: 11.039 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019111.D

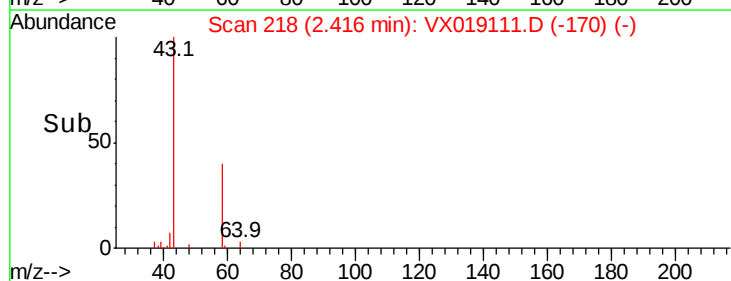
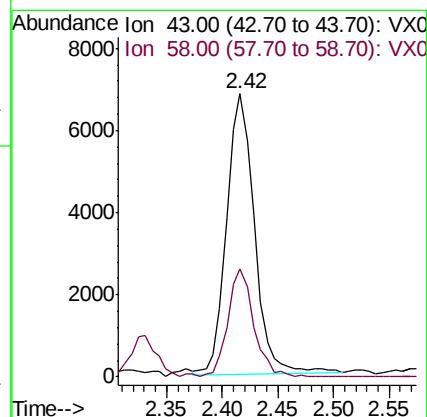
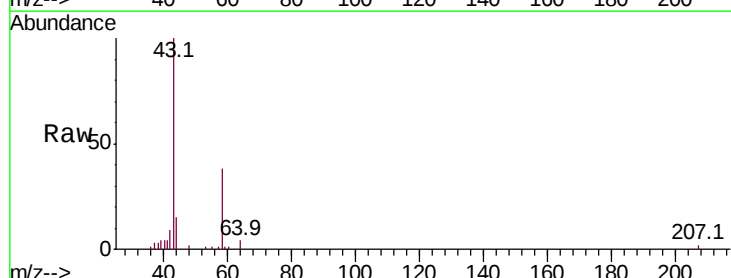
Acq: 24 Oct 2020 06:43

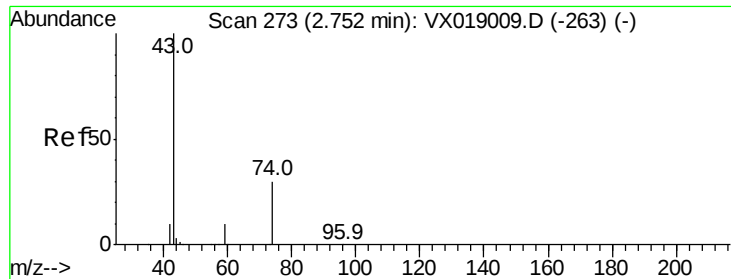
Tgt Ion: 43 Resp: 11842

Ion Ratio Lower Upper

43 100

58 38.8 28.6 42.8

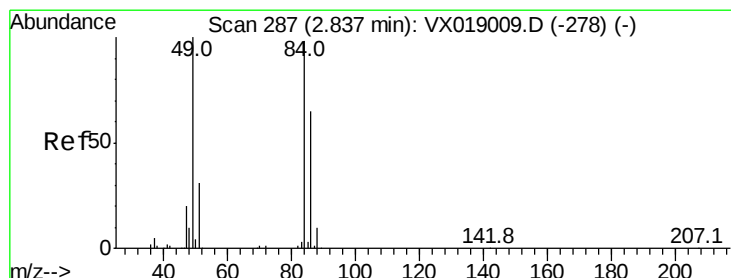
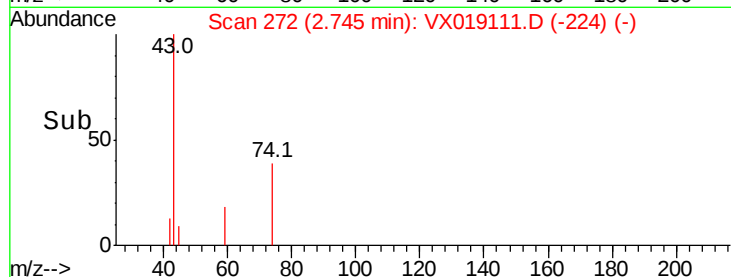
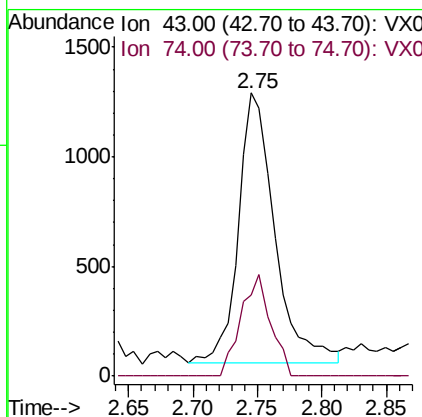
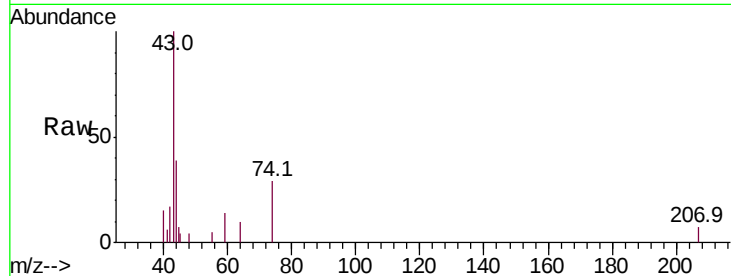




#18
Methvl Acetate
Concen: 0.906 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

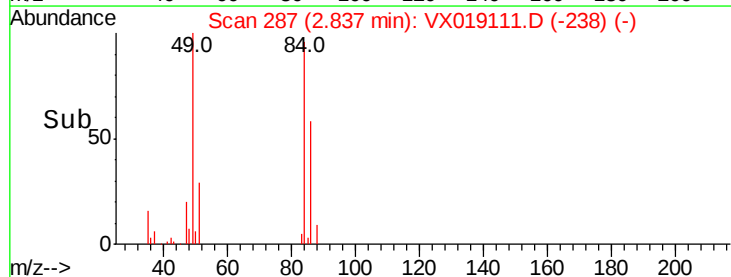
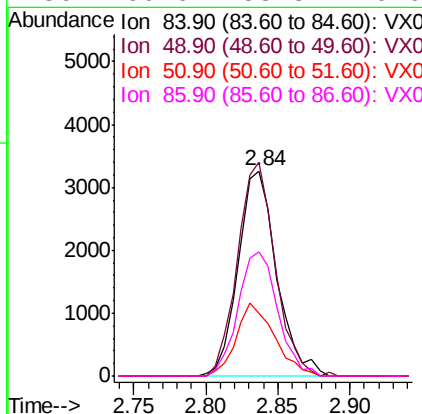
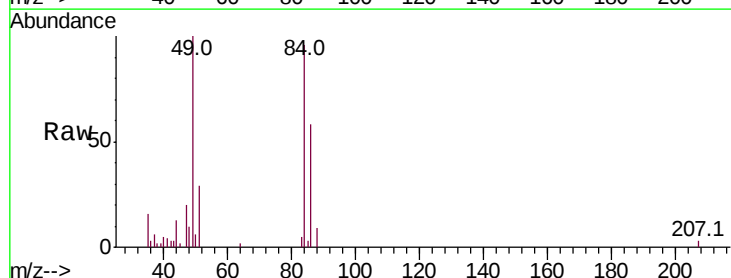
Instrument :
MSVOA_X
ClientSampled :
AB-EH

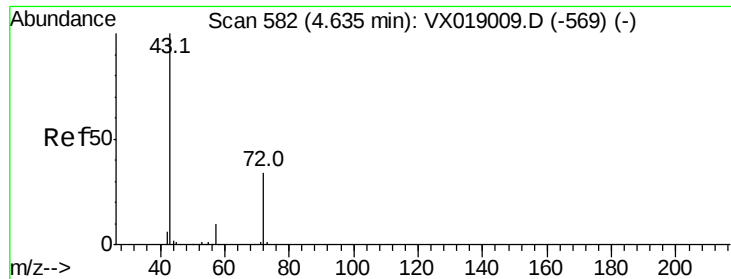
Tot Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
74 30.7 24.9 37.3



#20
Methylene Chloride
Concen: 2.023 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

Tgt Ion: 84 Resp: 6043
Ion Ratio Lower Upper
84 100
49 104.0 81.6 122.4
51 30.4 25.6 38.4
86 60.6 53.3 79.9





#25

2-Butanone

Concen: 1.598 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampled :

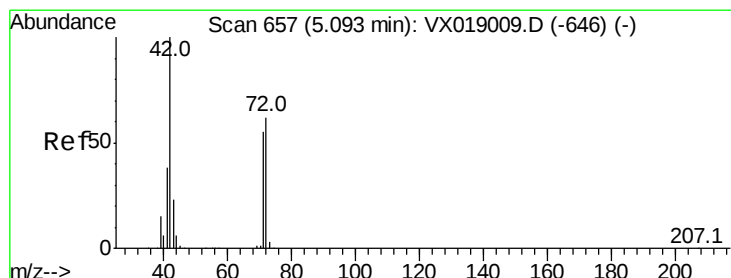
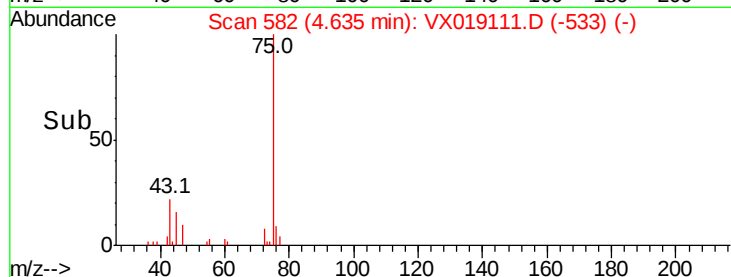
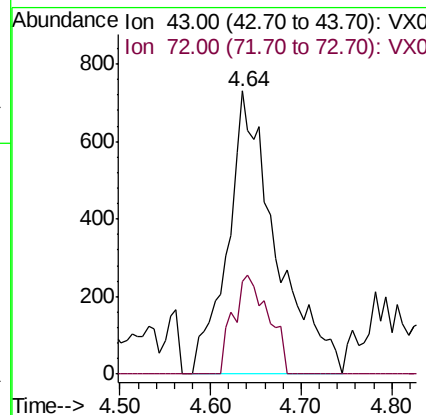
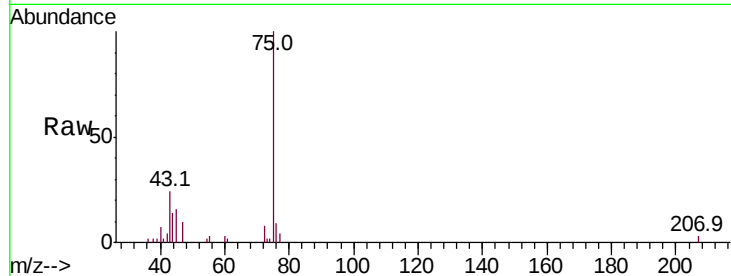
AB-EH

Tot Ion: 43 Resp: 2709

Ion Ratio Lower Upper

43 100

72 32.7 27.8 41.6



#29

Tetrahydrofuran

Concen: 0.787 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

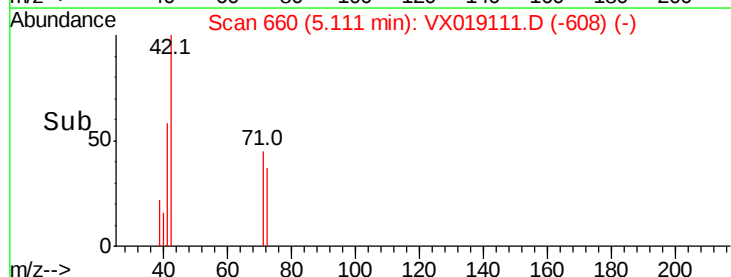
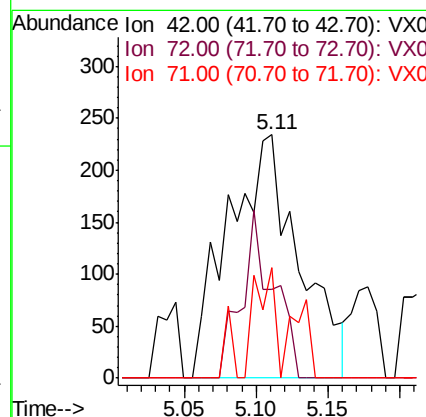
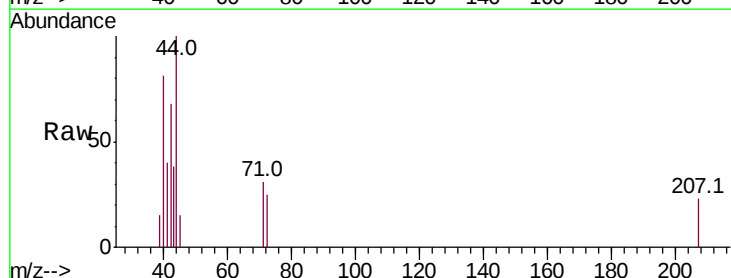
Tgt Ion: 42 Resp: 797

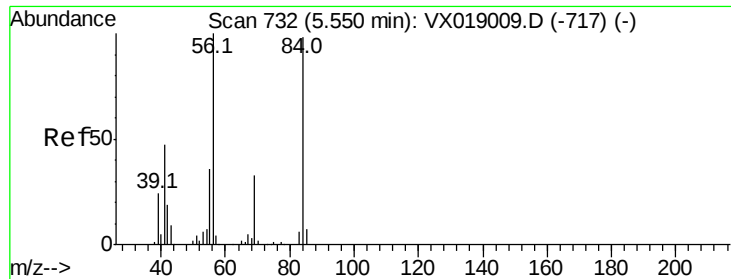
Ion Ratio Lower Upper

42 100

72 31.0 49.1 73.7#

71 12.4 44.2 66.4#

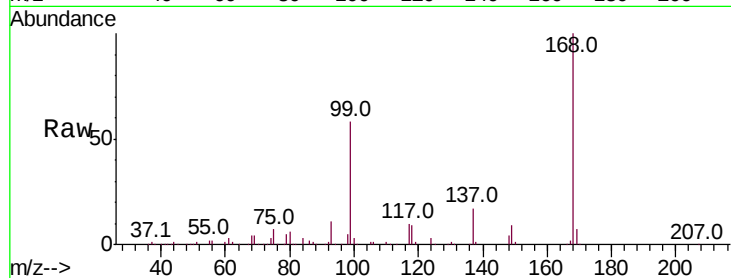




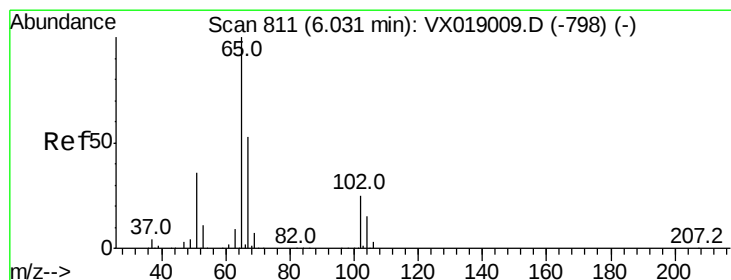
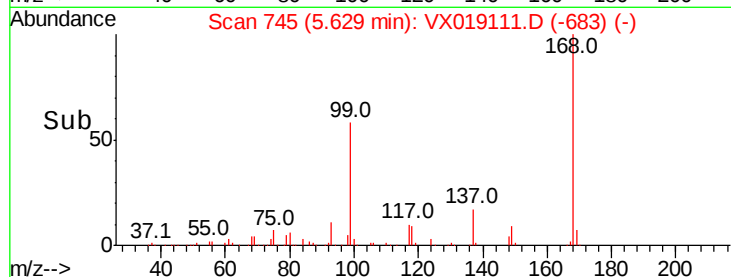
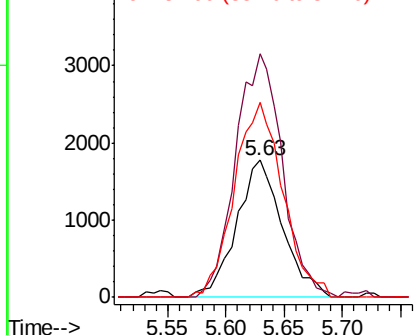
#31
Cyclohexane
Concen: 1.323 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

Instrument :
MSVOA_X
ClientSampleId :
AB-EH

Tot Ion: 56 Resp: 4881
Ion Ratio Lower Upper
56 100
69 177.8 26.2 39.2#
84 142.6 78.3 117.5#

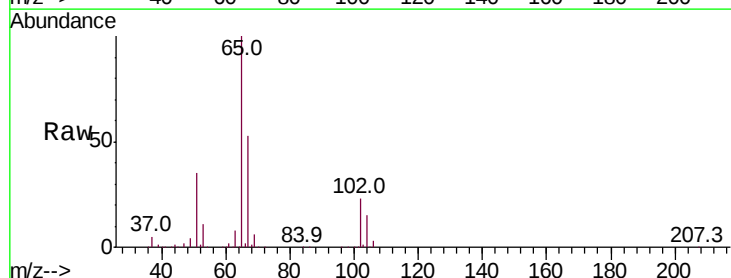


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

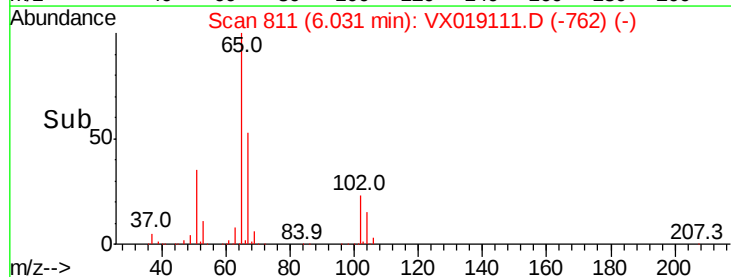
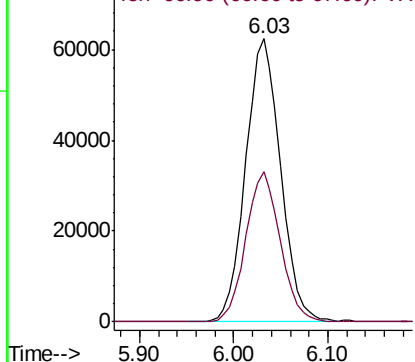


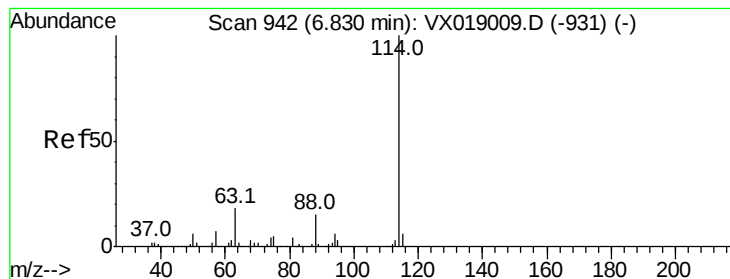
#33
1,2-Dichloroethane-d4
Concen: 51.555 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

Tgt Ion: 65 Resp: 162375
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampleId :

AB-EH

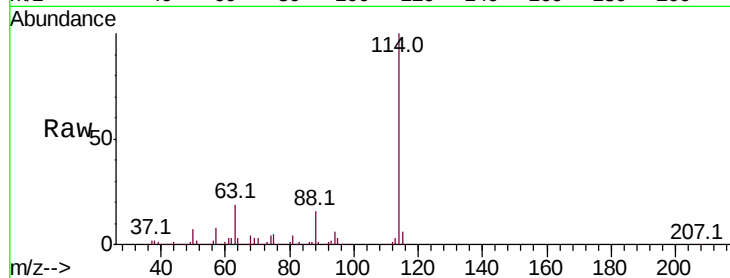
Tot Ion:114 Resp: 451211

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.8

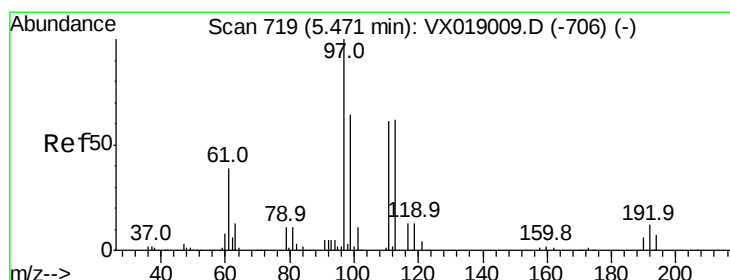
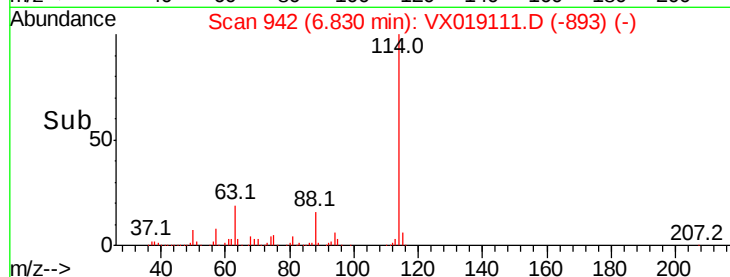
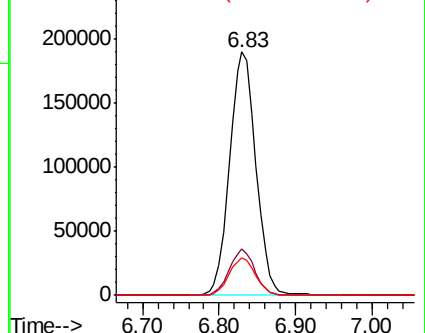
88 15.6 0.0 30.2



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: 49.643 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

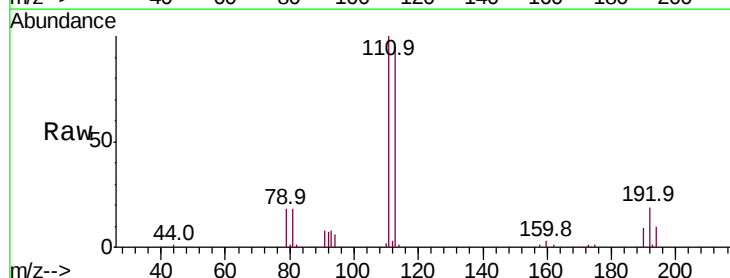
Tgt Ion:113 Resp: 141819

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

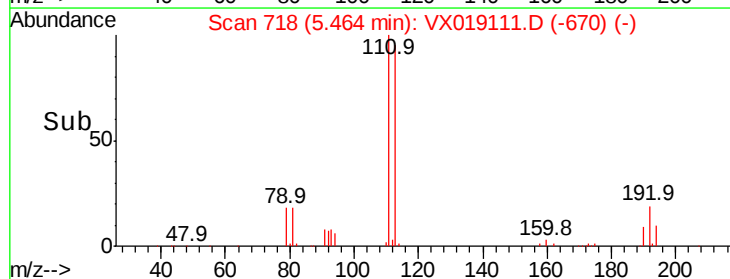
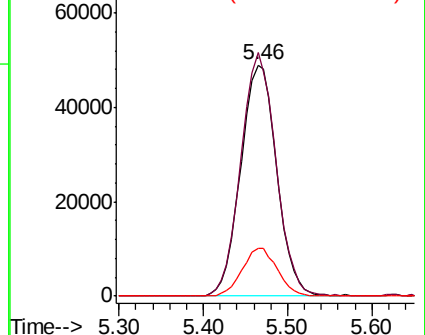
192 20.2 16.3 24.5

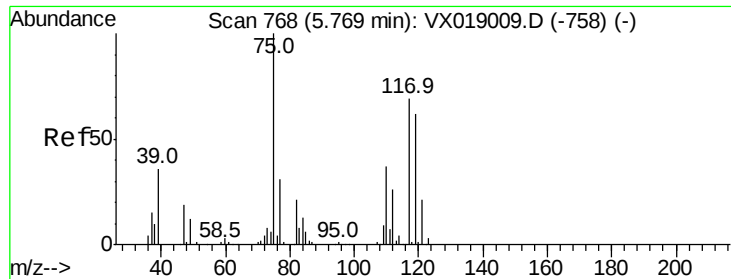


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.759 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampleId :

AB-EH

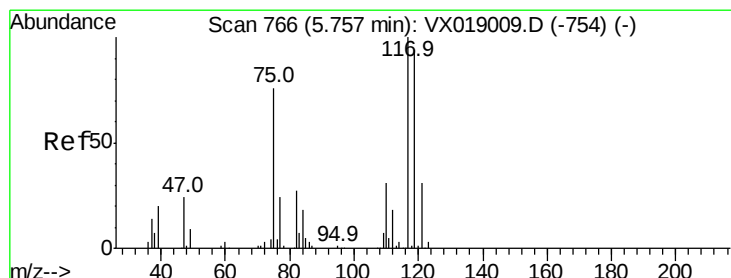
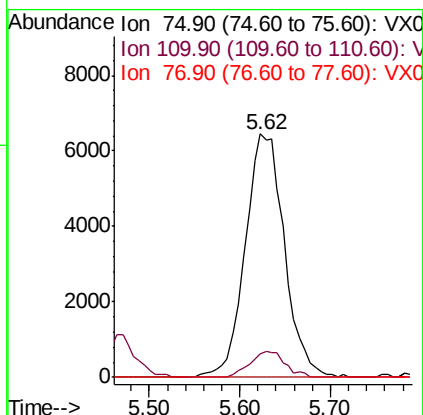
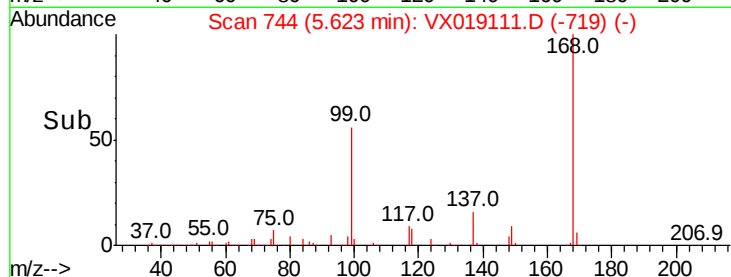
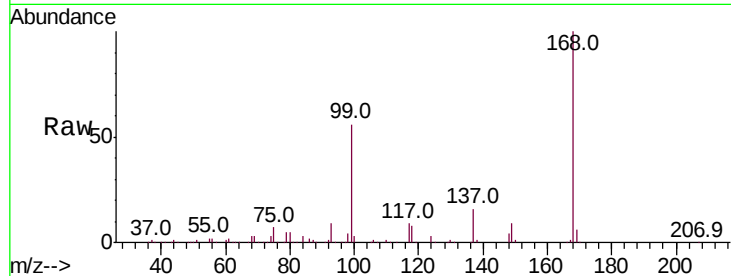
Tot Ion: 75 Resp: 19266

Ion Ratio Lower Upper

75 100

110 9.5 19.4 58.2#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.965 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

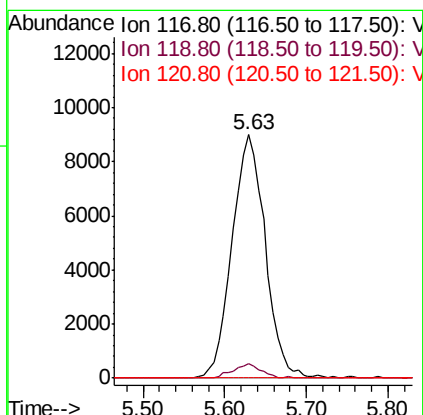
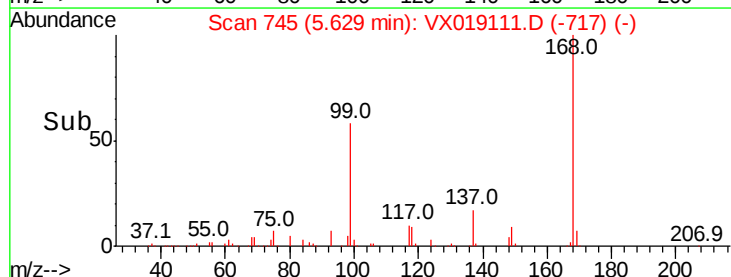
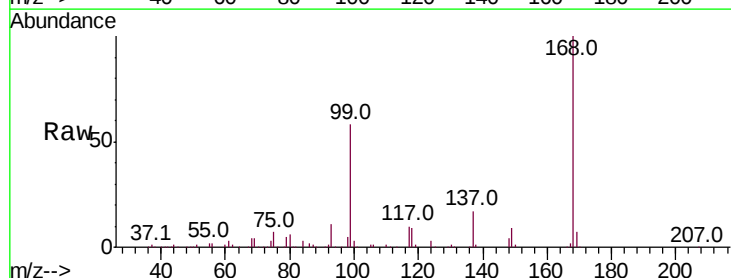
Tgt Ion: 117 Resp: 25348

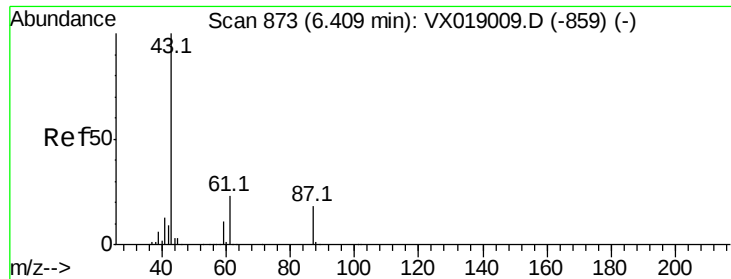
Ion Ratio Lower Upper

117 100

119 5.8 75.4 113.0#

121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 9.351 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampled :

AB-EH

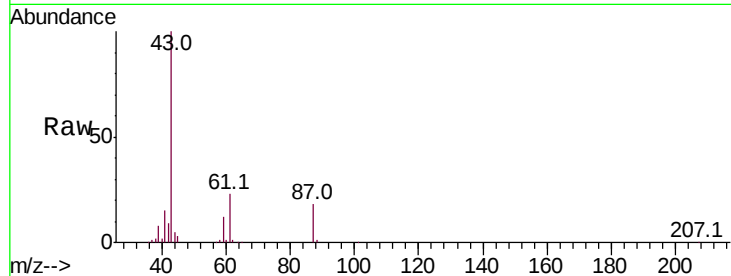
Tot Ion: 43 Resp: 54726

Ion Ratio Lower Upper

43 100

61 23.4 18.7 28.1

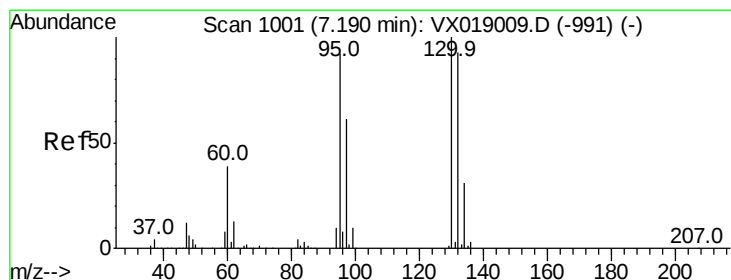
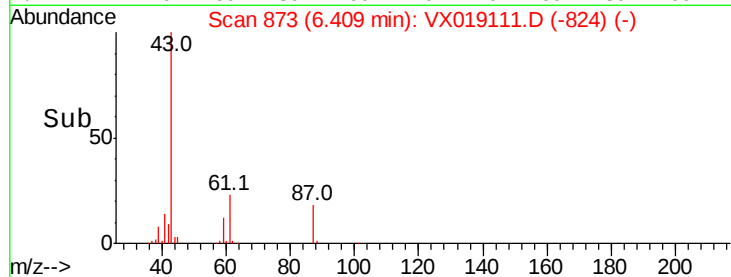
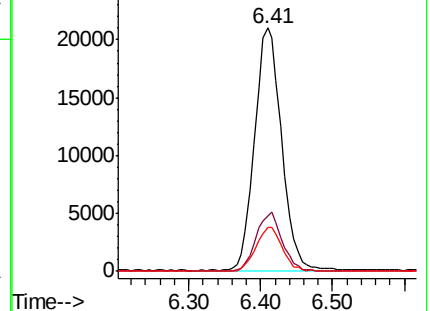
87 17.5 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.300 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019111.D

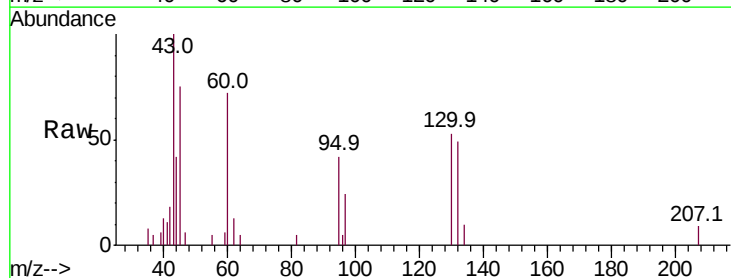
Acq: 24 Oct 2020 06:43

Tgt Ion:130 Resp: 1044

Ion Ratio Lower Upper

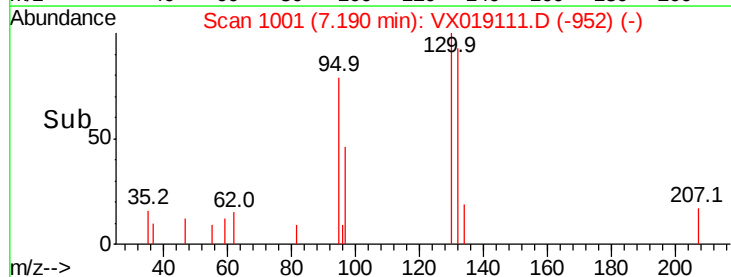
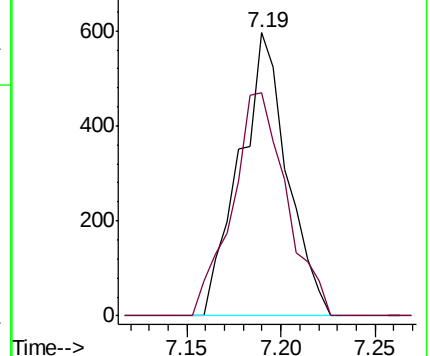
130 100

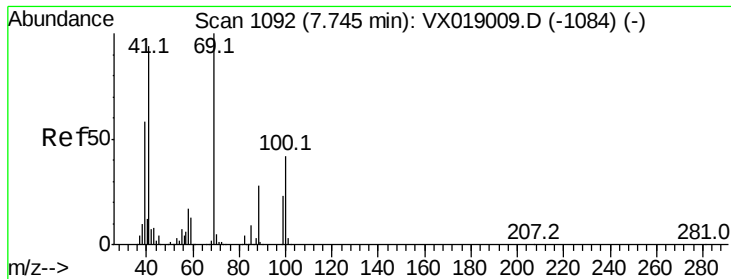
95 78.9 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#48

Methvl methacrylate

Concen: 1.062 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampleId :

AB-EH

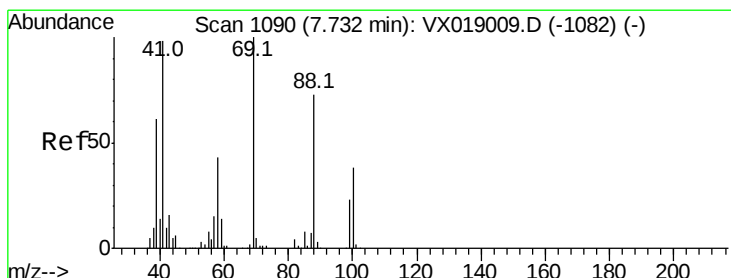
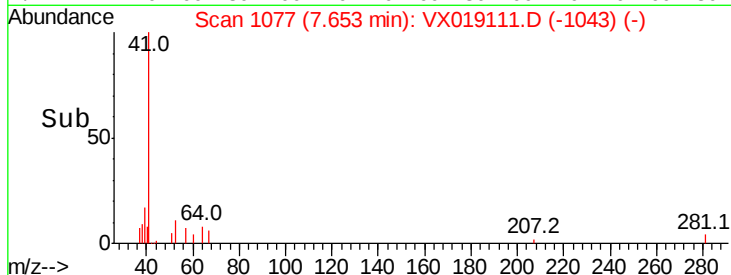
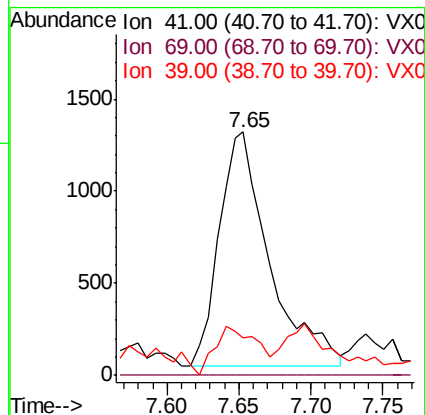
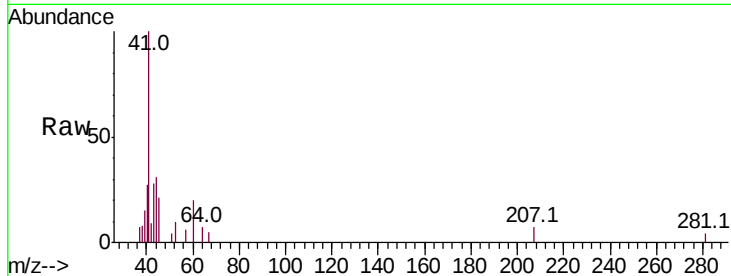
Tot Ion: 41 Resp: 3063

Ion Ratio Lower Upper

41 100

69 0.0 85.5 128.3#

39 0.0 49.3 73.9#



#49

1,4-Dioxane

Concen: 2.394 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.12 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

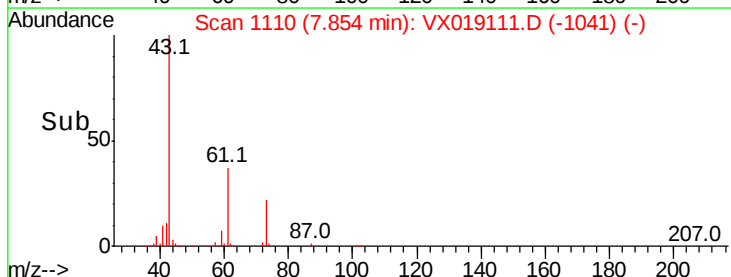
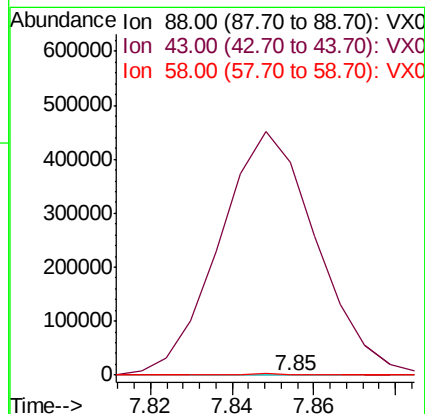
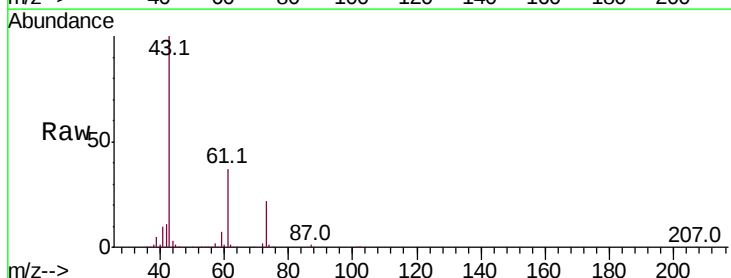
Tgt Ion: 88 Resp: 156

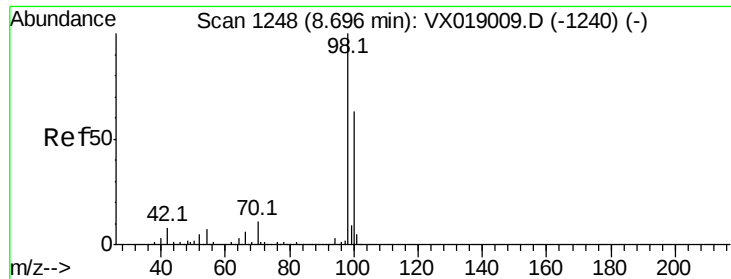
Ion Ratio Lower Upper

88 100

43 488209.6 20.3 30.5#

58 2516.7 48.4 72.6#

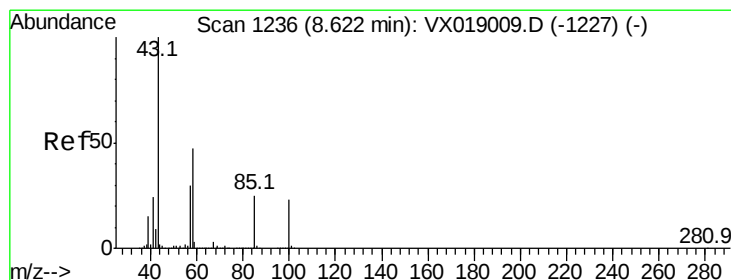
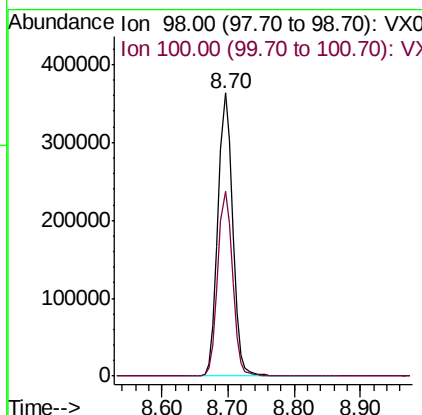
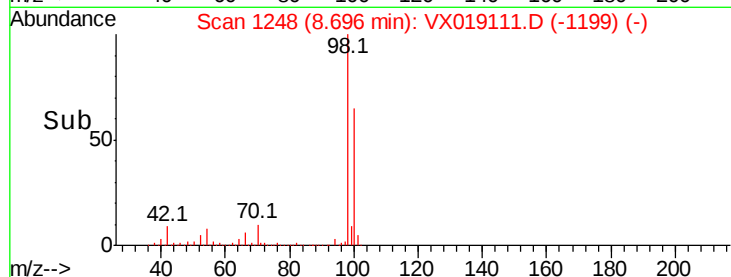
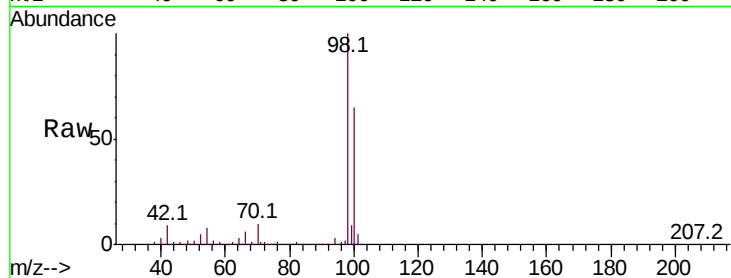




#50
Toluene-d8
Concen: 51.315 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

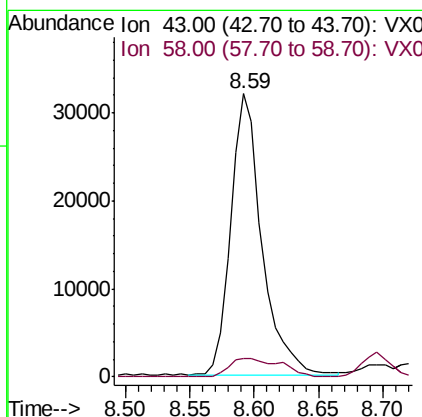
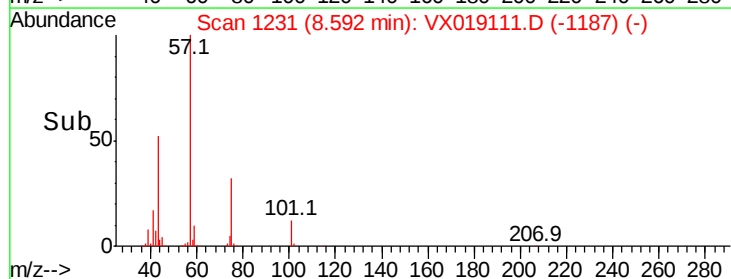
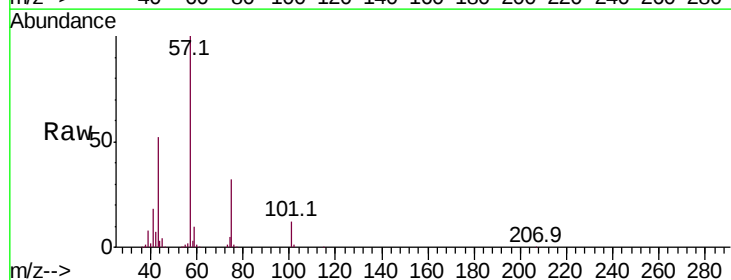
Instrument :
MSVOA_X
ClientSampleId :
AB-EH

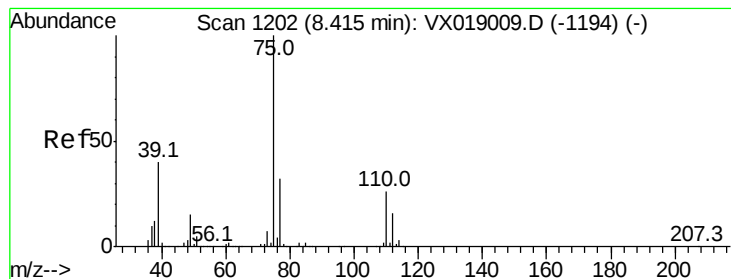
Tot Ion: 98 Resp: 559409
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 15.625 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

Tgt Ion: 43 Resp: 53885
Ion Ratio Lower Upper
43 100
58 11.1 37.4 56.0#



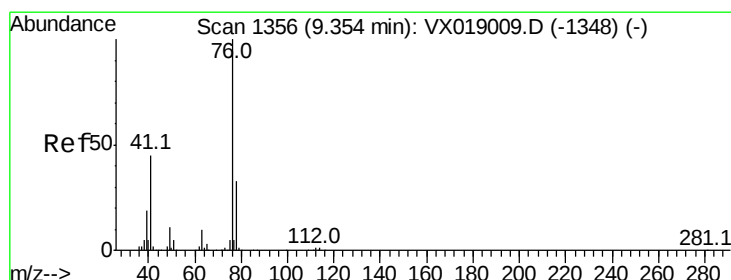
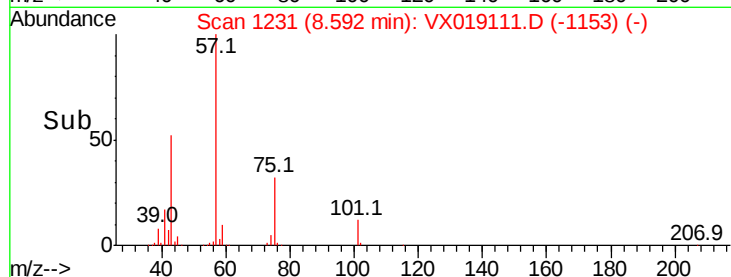
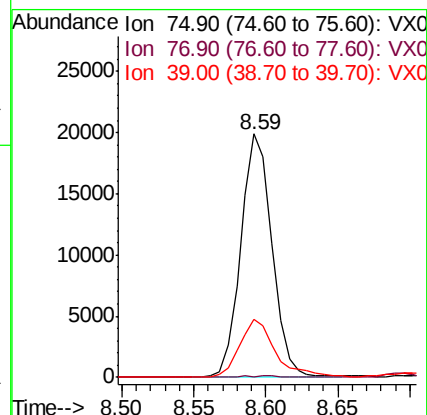
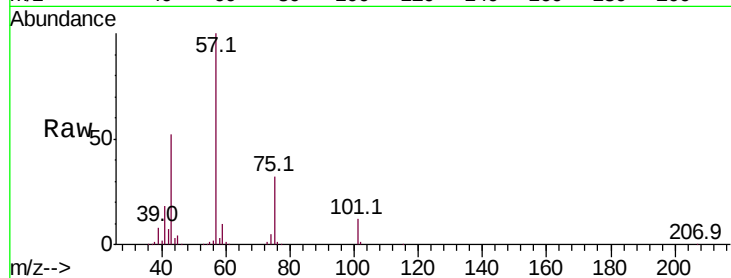


#54

cis-1,3-Dichloropropene
 Concen: 5.882 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019111.D
 Acq: 24 Oct 2020 06:43

Instrument :
 MSVOA_X
 ClientSampled :
 AB-EH

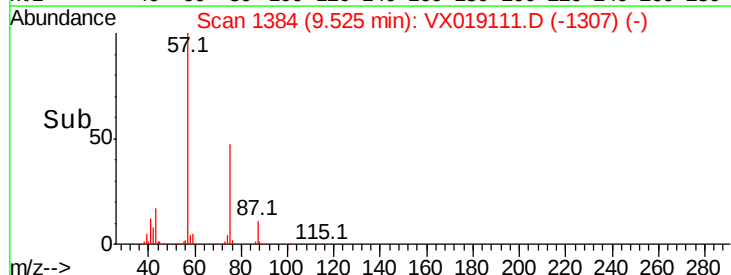
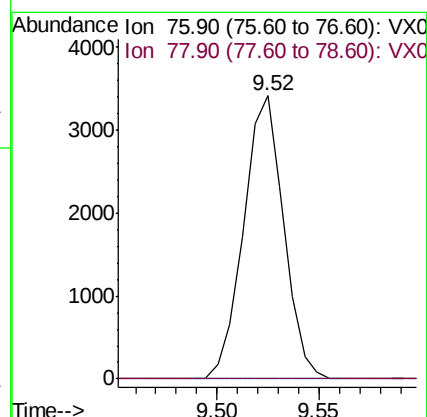
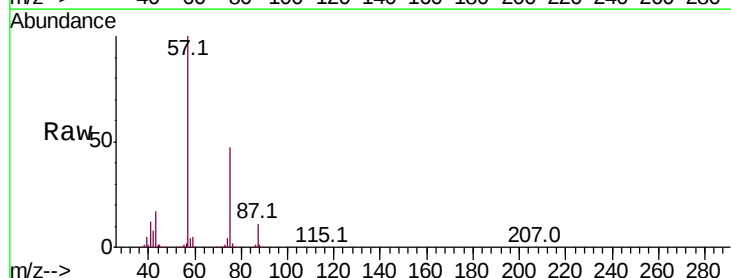
Tot Ion: 75 Resp: 29959
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.9 38.9#
 39 23.5 31.7 47.5#

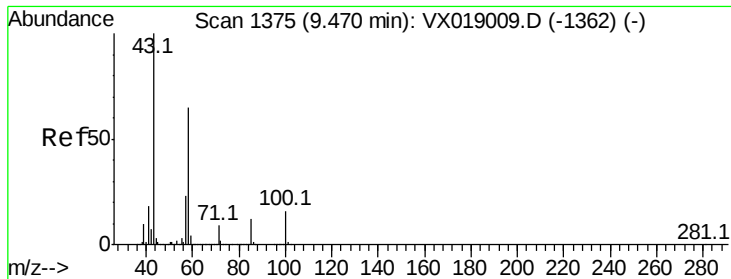


#57

1,3-Dichloropropane
 Concen: 0.911 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019111.D
 Acq: 24 Oct 2020 06:43

Tgt Ion: 76 Resp: 4644
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

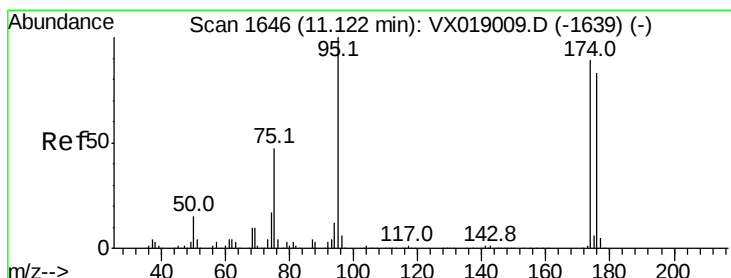
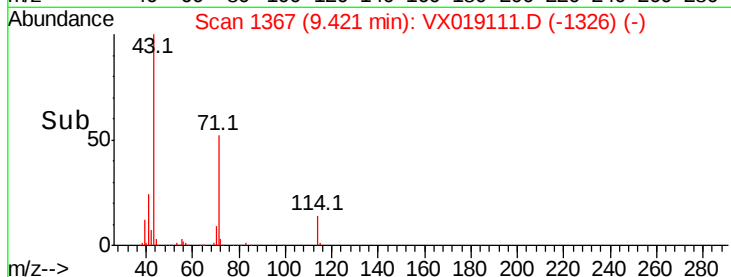
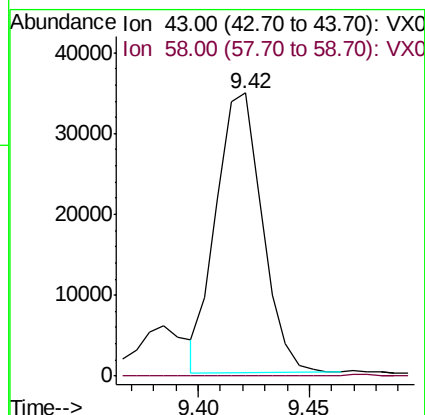
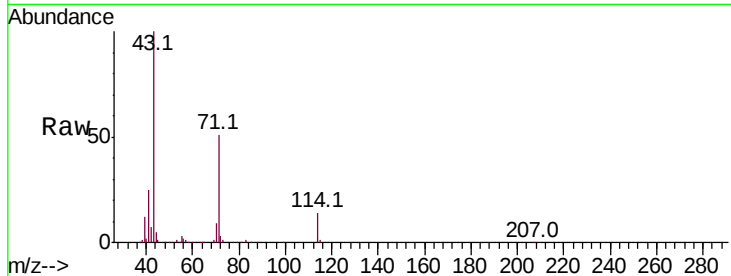




#59
2-Hexanone
Concen: 19.347 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

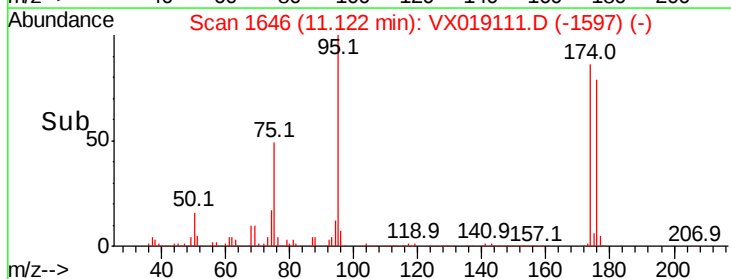
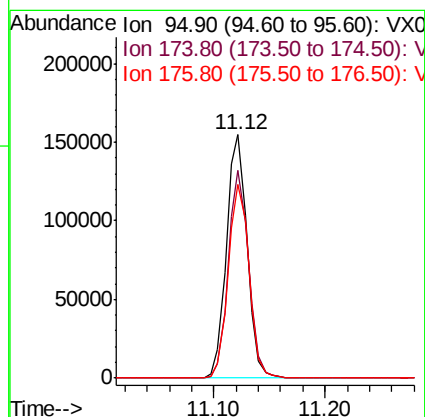
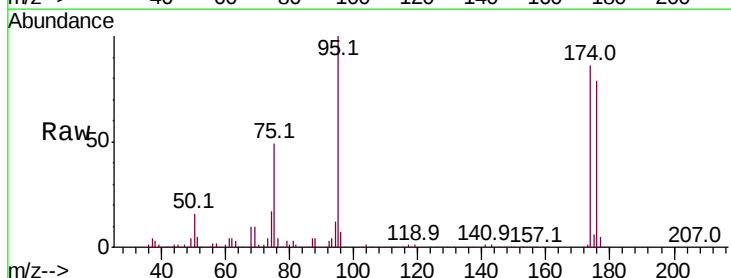
Instrument :
MSVOA_X
ClientSampled :
AB-EH

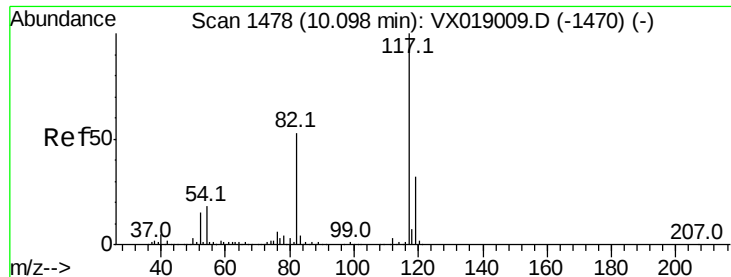
Tot Ion: 43 Resp: 49720
Ion Ratio Lower Upper
43 100
58 0.0 32.8 98.4#



#62
4-Bromofluorobenzene
Concen: 51.234 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

Tgt Ion: 95 Resp: 198671
Ion Ratio Lower Upper
95 100
174 84.0 0.0 167.6
176 80.2 0.0 165.2

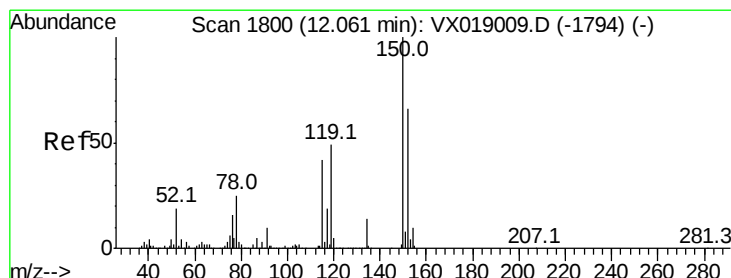
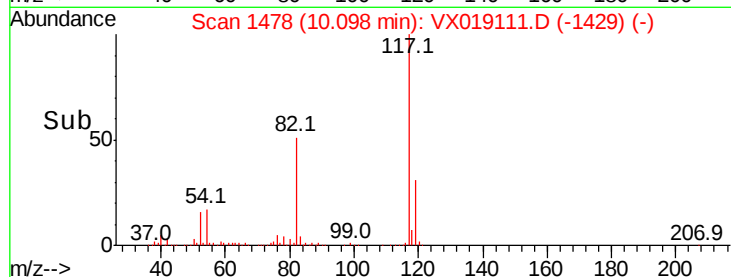
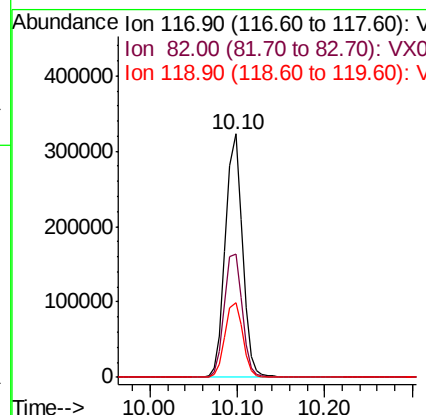
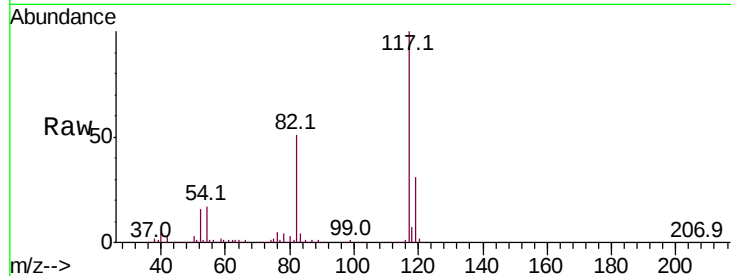




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

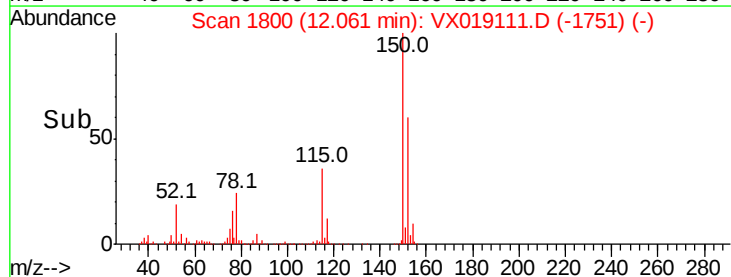
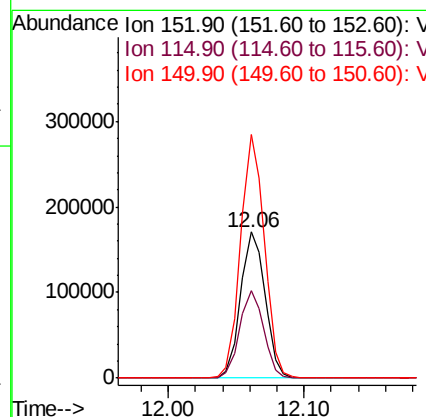
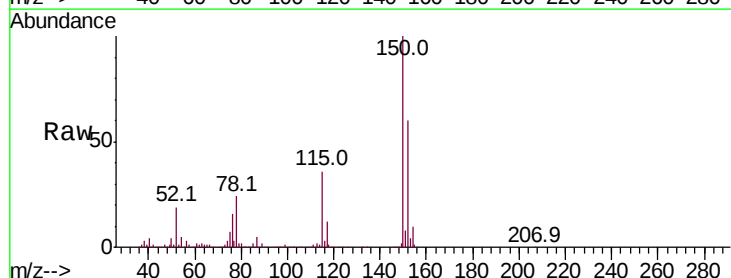
Instrument :
MSVOA_X
ClientSampled :
AB-EH

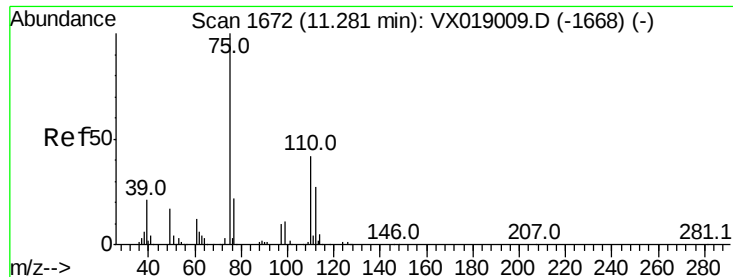
Tot Ion:117 Resp: 435903
Ion Ratio Lower Upper
117 100
82 50.7 42.4 63.6
119 30.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019111.D
Acq: 24 Oct 2020 06:43

Tgt Ion:152 Resp: 214878
Ion Ratio Lower Upper
152 100
115 58.5 40.8 122.5
150 161.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 23.160 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Instrument :

MSVOA_X

ClientSampleId :

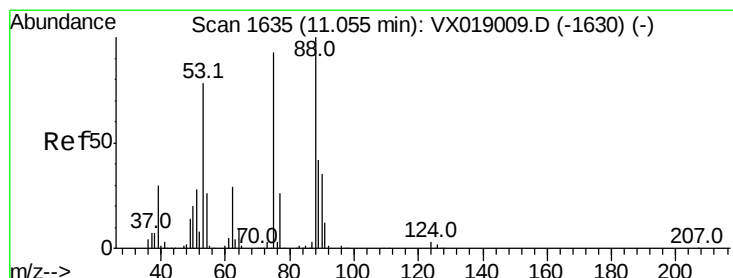
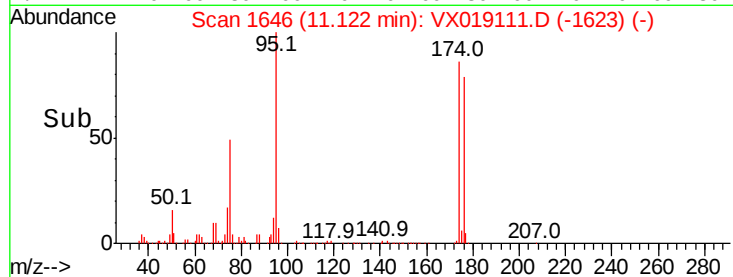
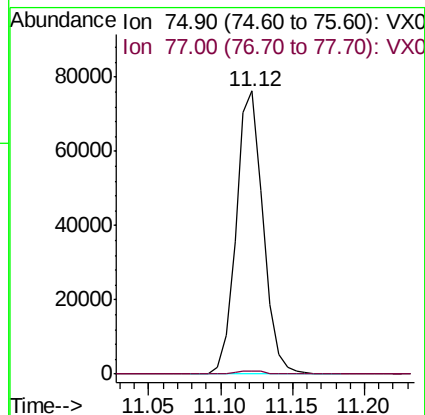
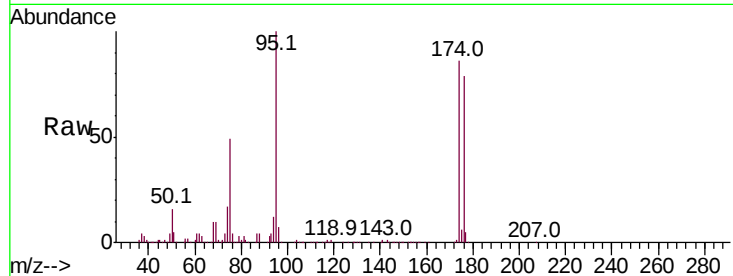
AB-EH

Tot Ion: 75 Resp: 99466

Ion Ratio Lower Upper

75 100

77 1.2 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.005 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019111.D

Acq: 24 Oct 2020 06:43

Tgt Ion: 75 Resp: 99466

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

