

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025311.D
 Acq On : 24 Nov 2021 05:51
 Operator : JC/MD
 Sample : M4812-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 24 09:56:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

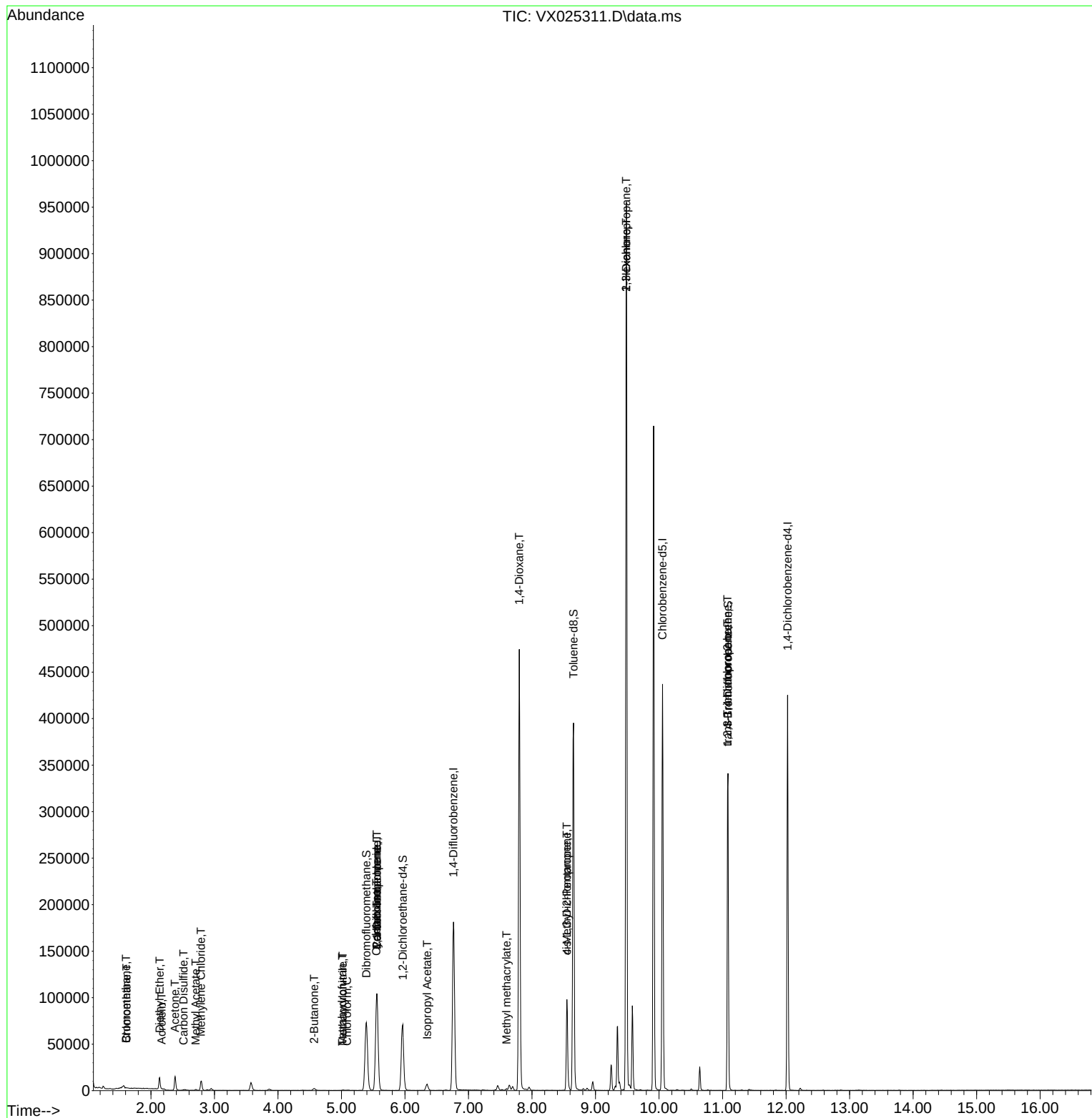
Internal Standards						
1) Pentafluorobenzene	5.556	168	107899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	196350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65612	57.690	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.380%
35) Dibromofluoromethane	5.391	113	63303	52.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.100%
50) Toluene-d8	8.653	98	239582	52.892	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.780%
62) 4-Bromofluorobenzene	11.085	95	92497	53.978	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.960%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	351	0.642	ug/l	81
6) Chloroethane	1.618	64	518	0.590	ug/l #	43
8) Diethyl Ether	2.136	74	4274	5.488	ug/l	94
11) Tert butyl alcohol	2.947	59	1347	Below Cal	#	72
13) Acrolein	2.166	56	20	0.384	ug/l #	13
16) Acetone	2.380	43	14956	23.666	ug/l	98
17) Carbon Disulfide	2.514	76	815	0.290	ug/l #	76
18) Methyl Acetate	2.703	43	1221	0.605	ug/l	98
20) Methylene Chloride	2.788	84	4754	4.002	ug/l	95
25) 2-Butanone	4.568	43	2933	3.210	ug/l #	87
29) Tetrahydrofuran	5.013	42	158	0.279	ug/l #	68
30) Chloroform	5.086	83	417	0.213	ug/l	90
31) Cyclohexane	5.550	56	1914	1.089	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	7217	4.213	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9920	5.258	ug/l #	17
41) Methacrylonitrile	5.019	41	309	0.286	ug/l #	26
43) Isopropyl Acetate	6.348	43	9470	2.920	ug/l	99
48) Methyl methacrylate	7.598	41	2745	1.803	ug/l #	14
49) 1,4-Dioxane	7.799	88	25	0.778	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	34205	16.817	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	16170	7.377	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	8863	3.971	ug/l #	42
59) 2-Hexanone	9.482	43	113230	70.614	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	44791	24.062	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	44791	60.616	ug/l #	9
95) Naphthalene	13.780	128	410	Below Cal	#	69

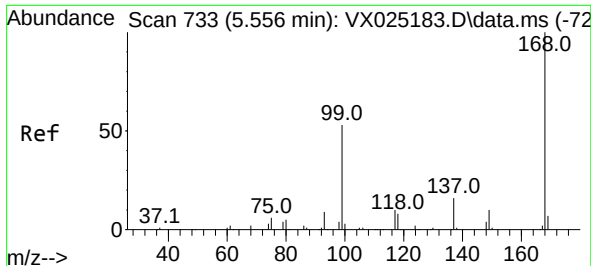
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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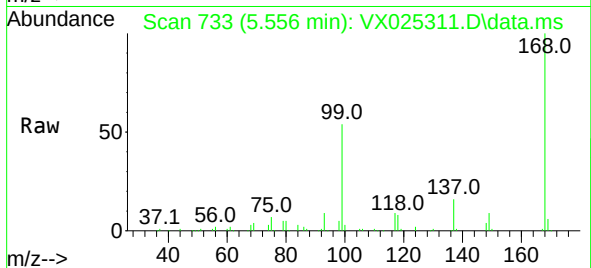
Quant Time: Nov 24 09:56:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
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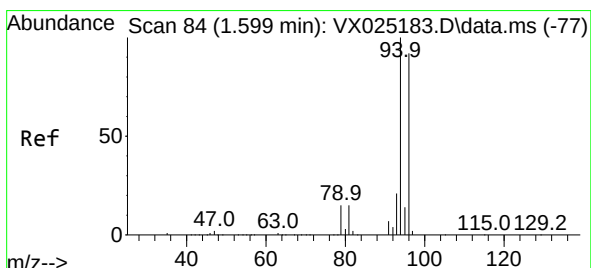
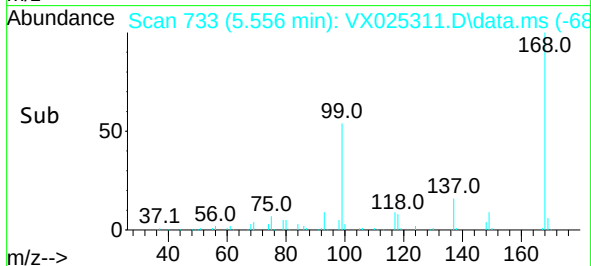
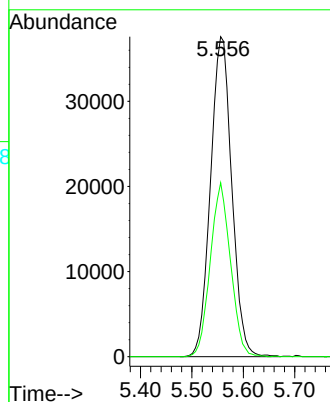


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Instrument :
MSVOA_X
ClientSampleId :

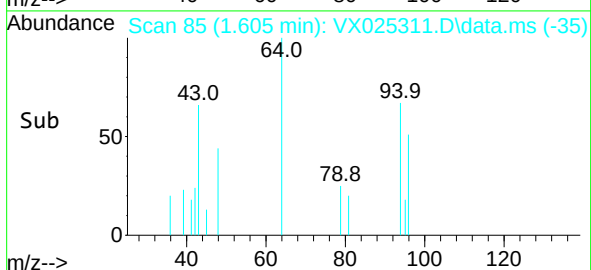
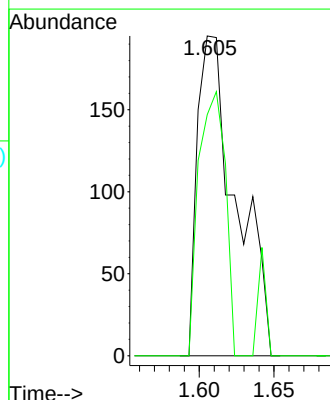
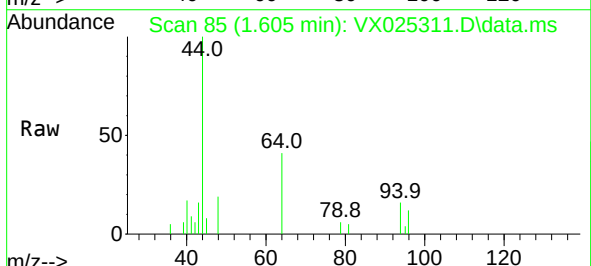


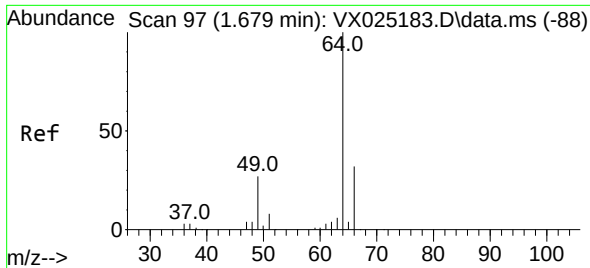
Tgt Ion:168 Resp: 107899
Ion Ratio Lower Upper
168 100
99 54.3 46.4 69.6



#5
Bromomethane
Concen: 0.642 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 75.4 74.8 112.2

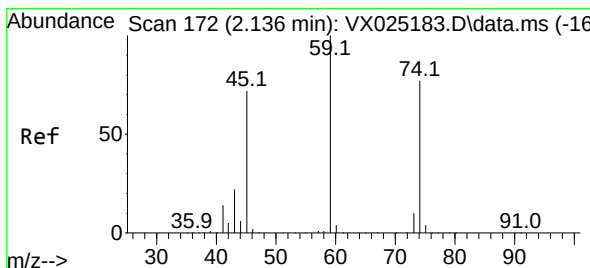
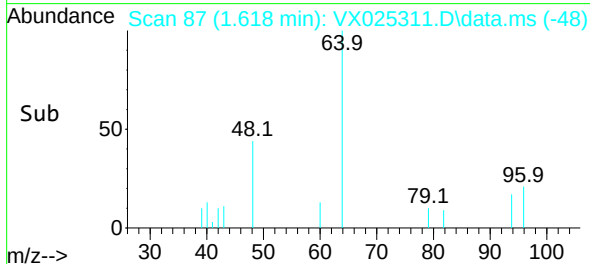
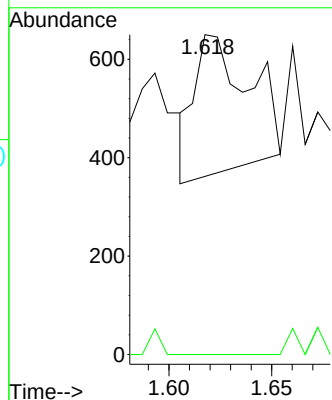
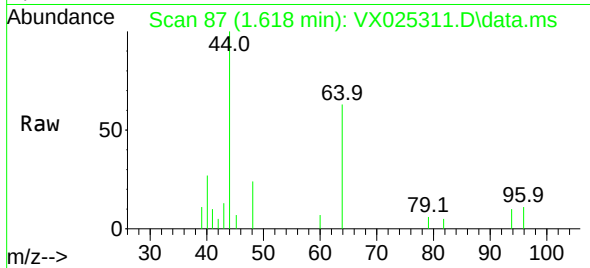




#6
 Chloroethane
 Concen: 0.590 ug/l
 RT: 1.618 min Scan# 81
 Delta R.T. -0.061 min
 Lab File: VX025311.D
 Acq: 24 Nov 2021 05:51

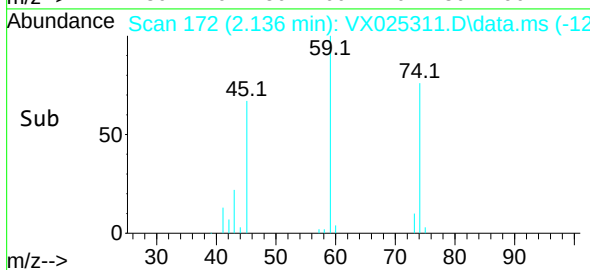
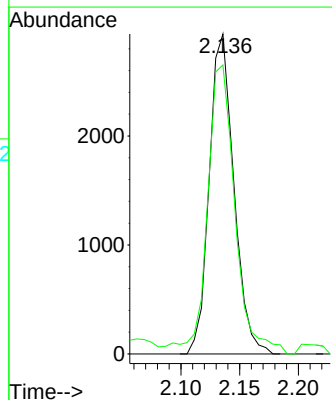
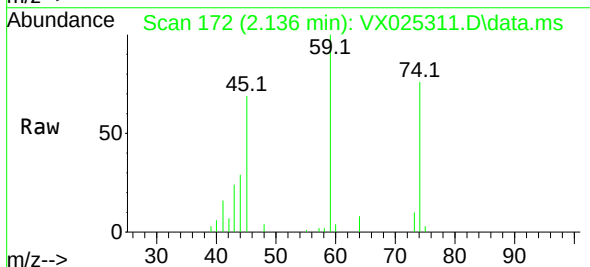
Instrument :
 MSVOA_X
 ClientSampleId :

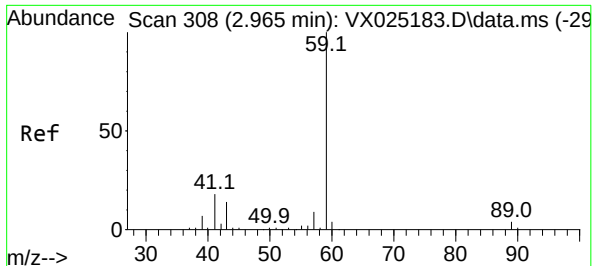
Tgt Ion: 64 Resp: 518
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.6 38.4#



#8
 Diethyl Ether
 Concen: 5.488 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX025311.D
 Acq: 24 Nov 2021 05:51

Tgt Ion: 74 Resp: 4274
 Ion Ratio Lower Upper
 74 100
 45 101.4 47.6 142.9





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX025311.D

Acq: 24 Nov 2021 05:51

Instrument :

MSVOA_X

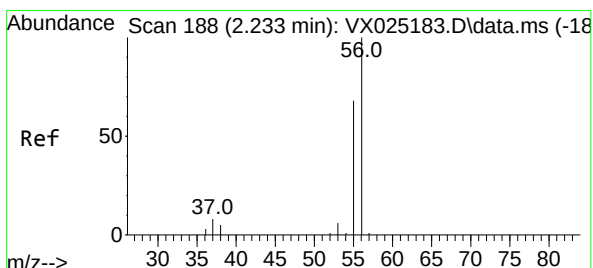
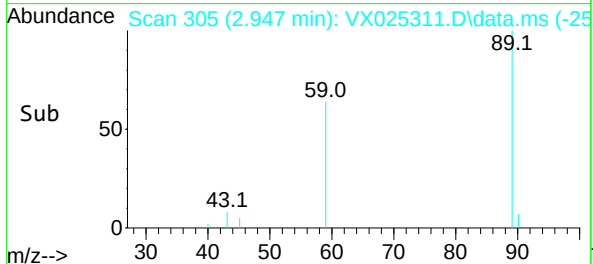
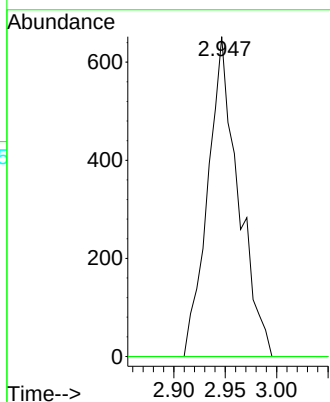
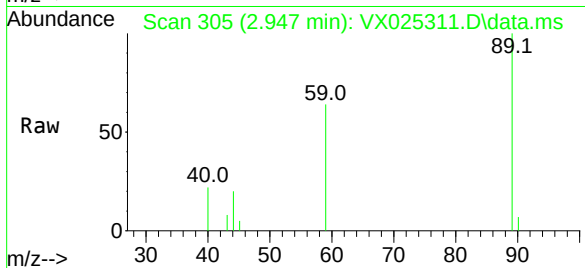
ClientSampleId :

Tgt Ion: 59 Resp: 1347

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.384 ug/l

RT: 2.166 min Scan# 177

Delta R.T. -0.067 min

Lab File: VX025311.D

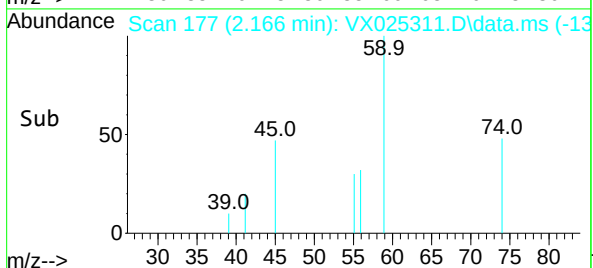
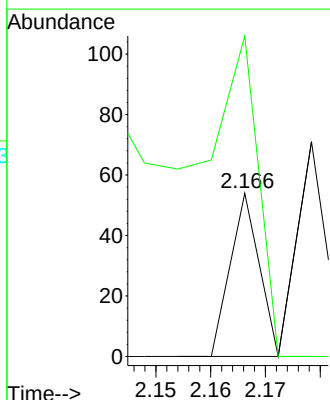
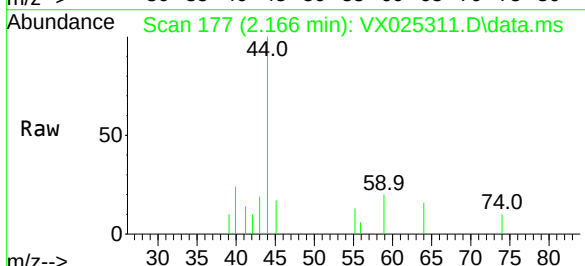
Acq: 24 Nov 2021 05:51

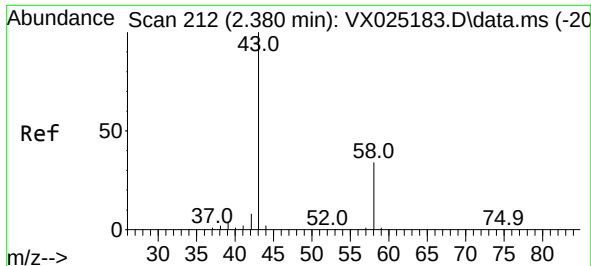
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#

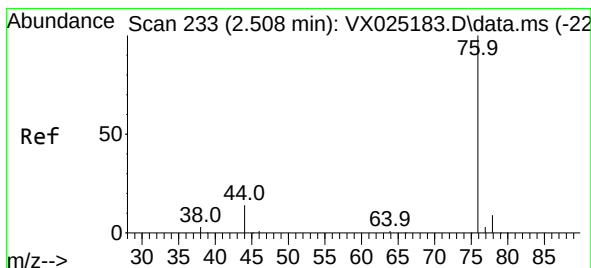
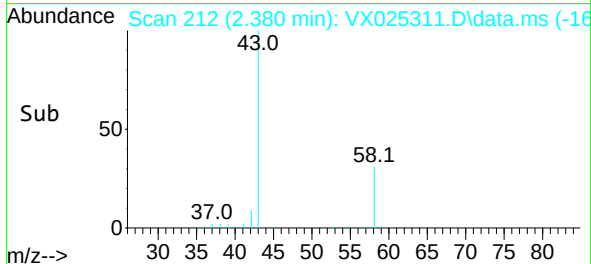
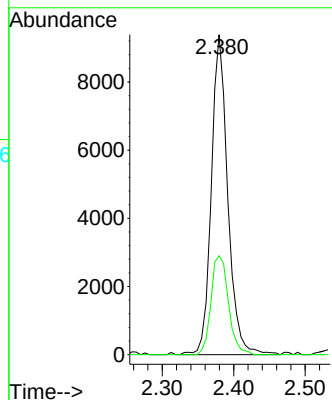
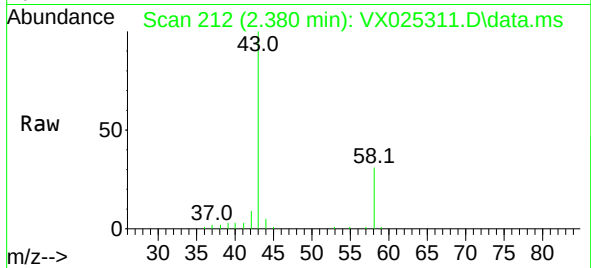




#16
Acetone
Concen: 23.666 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

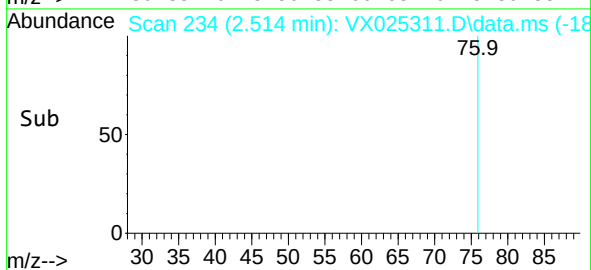
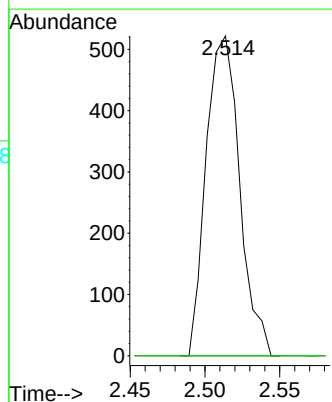
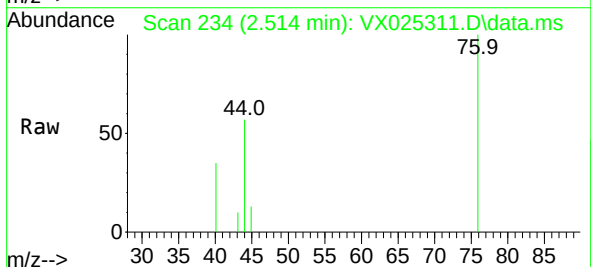
Instrument :
MSVOA_X
ClientSampleId :

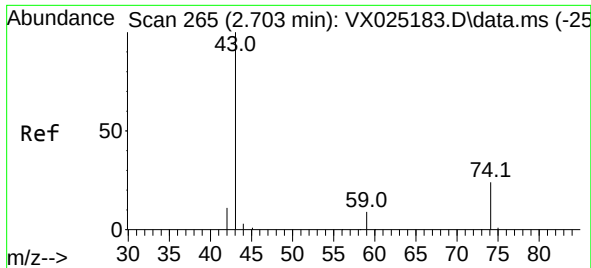
Tgt Ion: 43 Resp: 14956
Ion Ratio Lower Upper
43 100
58 30.9 24.0 36.0



#17
Carbon Disulfide
Concen: 0.290 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion: 76 Resp: 815
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

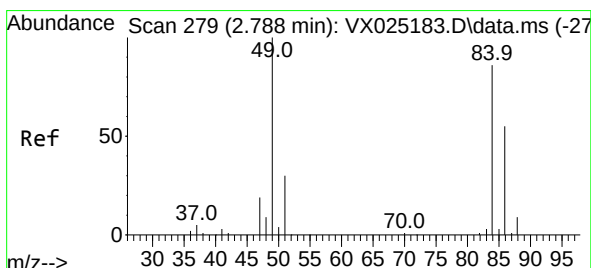
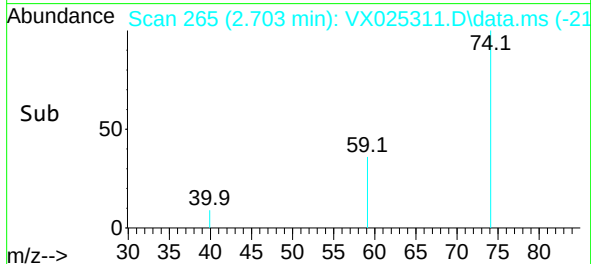
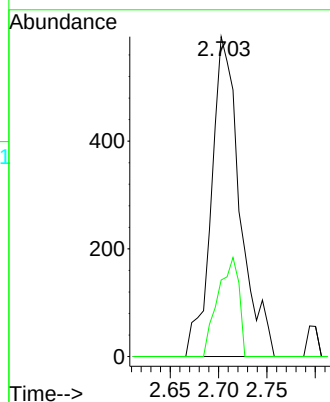
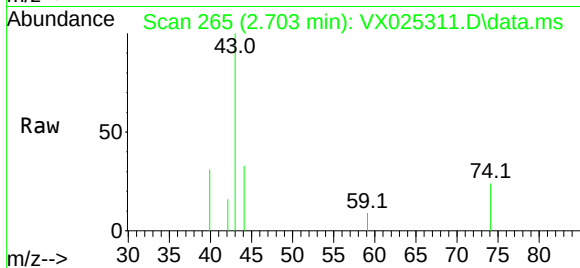




#18
Methyl Acetate
Concen: 0.605 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

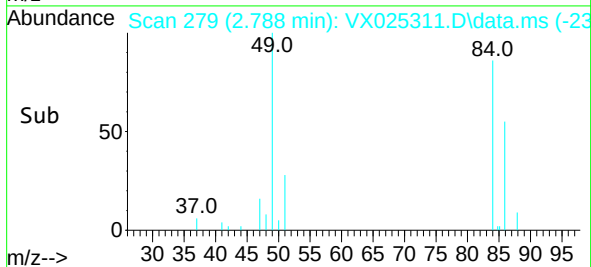
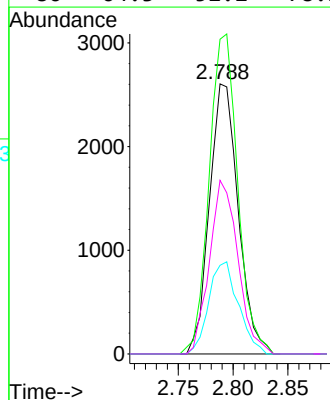
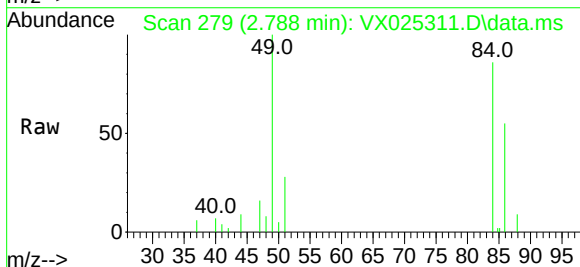
Instrument :
MSVOA_X
ClientSampleId :

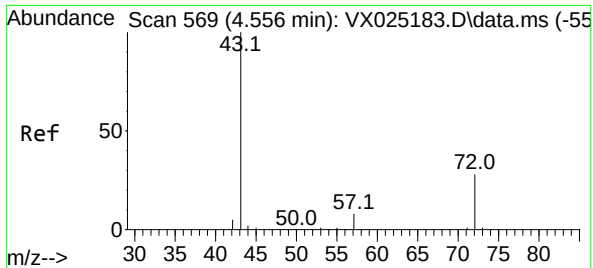
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
74 22.9 19.0 28.6



#20
Methylene Chloride
Concen: 4.002 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion: 84 Resp: 4754
Ion Ratio Lower Upper
84 100
49 116.5 98.2 147.2
51 32.8 30.2 45.4
86 64.3 52.2 78.2

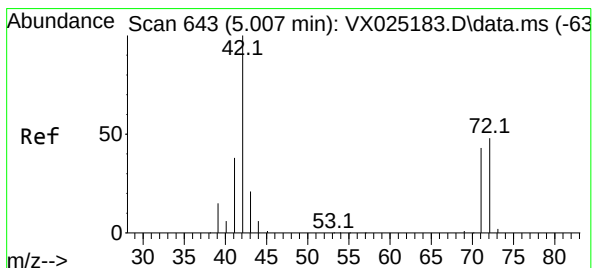
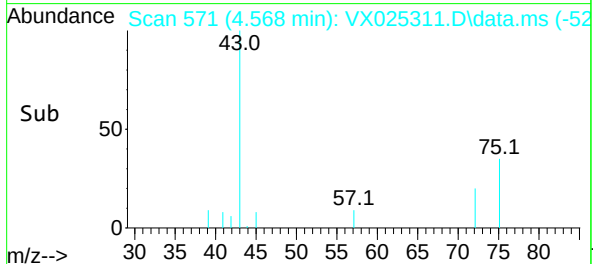
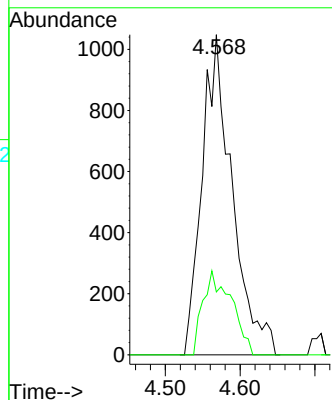
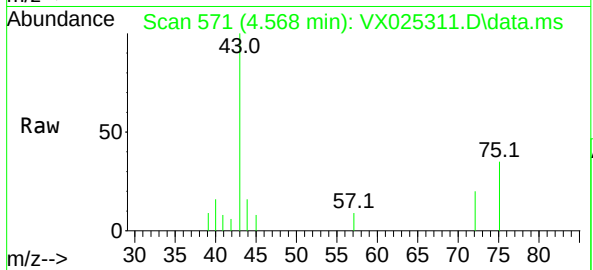




#25
2-Butanone
Concen: 3.210 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

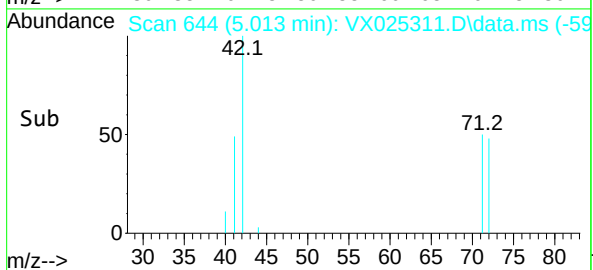
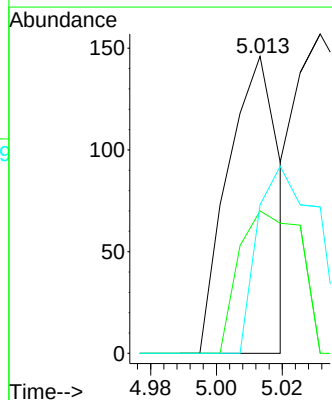
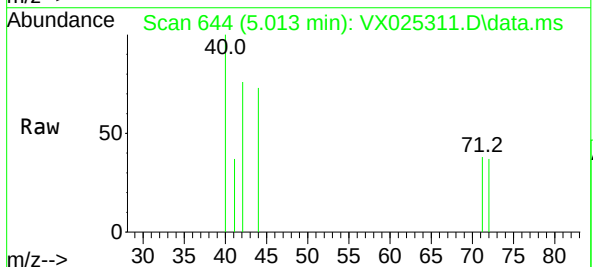
Instrument :
MSVOA_X
ClientSampleId :

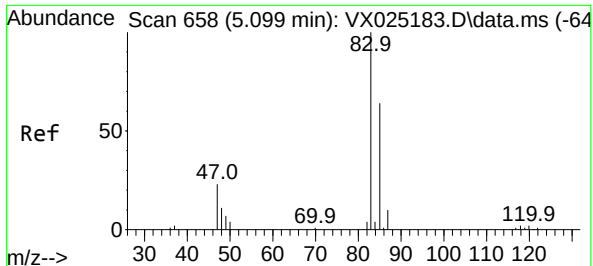
Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
72 19.7 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.279 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.006 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion: 42 Resp: 158
Ion Ratio Lower Upper
42 100
72 57.6 36.1 54.1#
71 71.5 33.7 50.5#





#30

Chloroform

Concen: 0.213 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.013 min

Lab File: VX025311.D

Acq: 24 Nov 2021 05:51

Instrument :

MSVOA_X

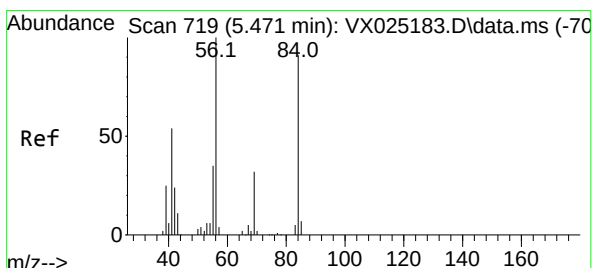
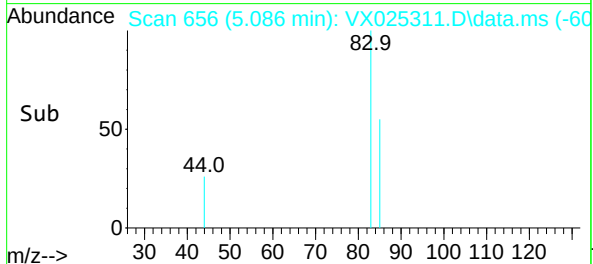
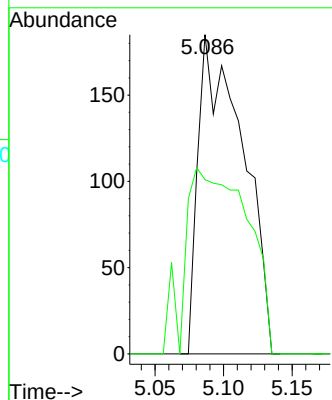
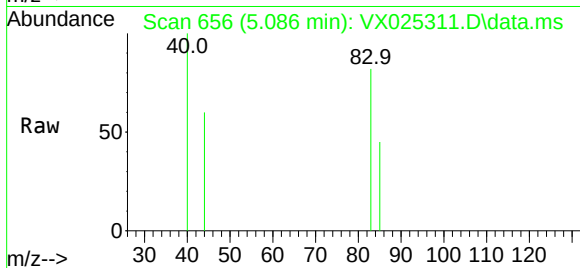
ClientSampleId :

Tgt Ion: 83 Resp: 417

Ion Ratio Lower Upper

83 100

85 54.6 50.2 75.2



#31

Cyclohexane

Concen: 1.089 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025311.D

Acq: 24 Nov 2021 05:51

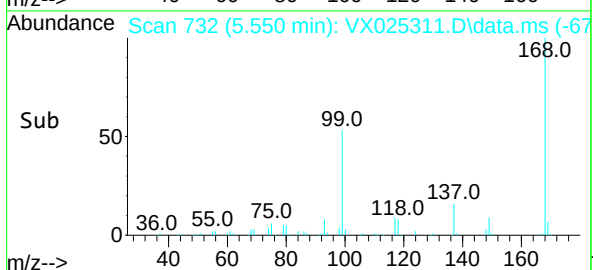
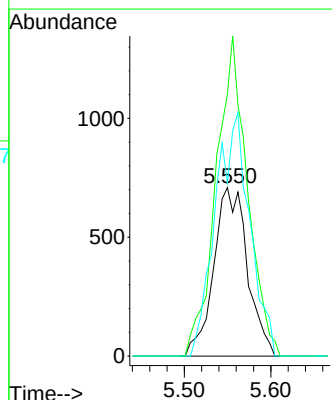
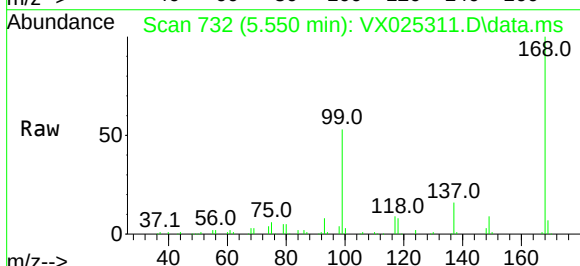
Tgt Ion: 56 Resp: 1914

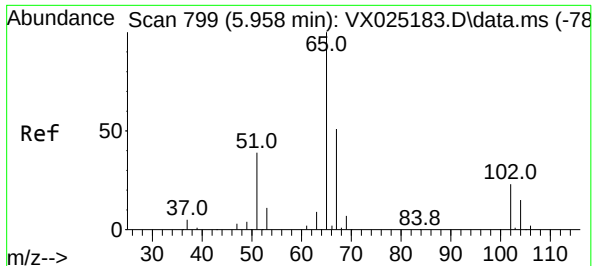
Ion Ratio Lower Upper

56 100

69 155.3 24.2 36.2#

84 102.8 71.5 107.3

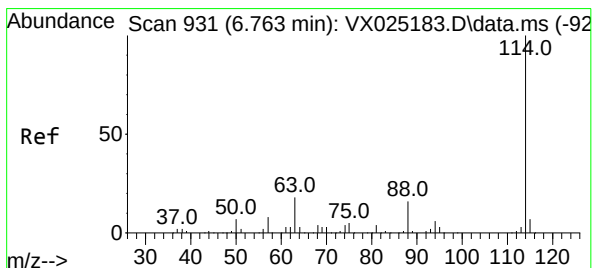
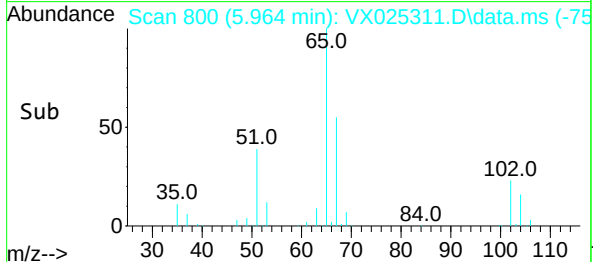
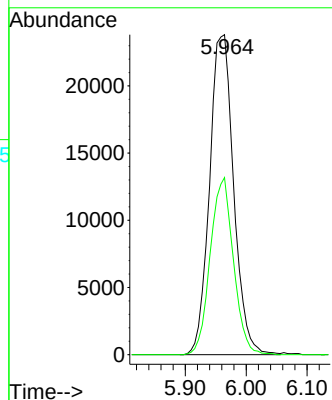
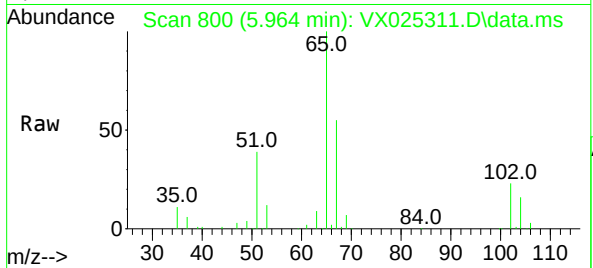




#33
 1,2-Dichloroethane-d4
 Concen: 57.690 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VX025311.D
 Acq: 24 Nov 2021 05:51

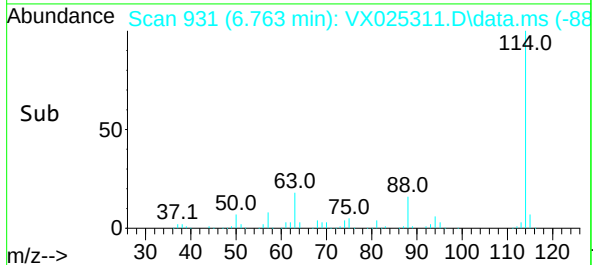
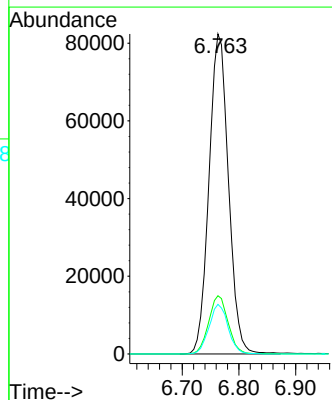
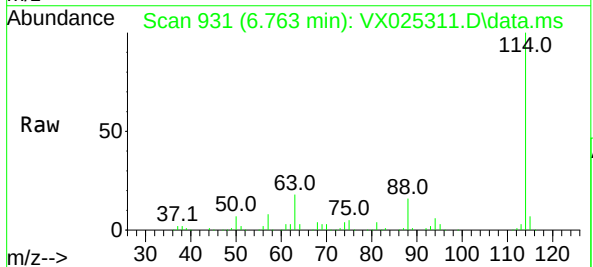
Instrument :
 MSVOA_X
 ClientSampleId :

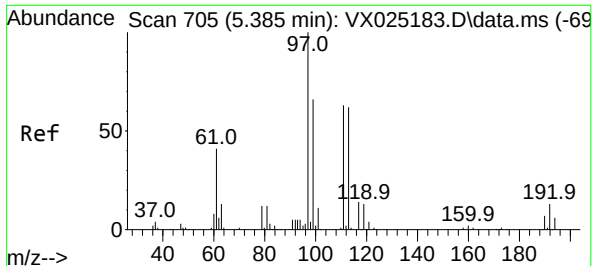
Tgt Ion: 65 Resp: 65612
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025311.D
 Acq: 24 Nov 2021 05:51

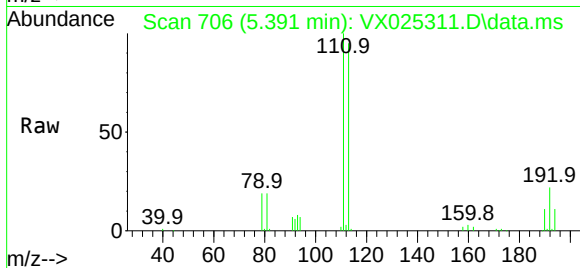
Tgt Ion: 114 Resp: 196350
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 41.0
 88 15.5 0.0 34.8



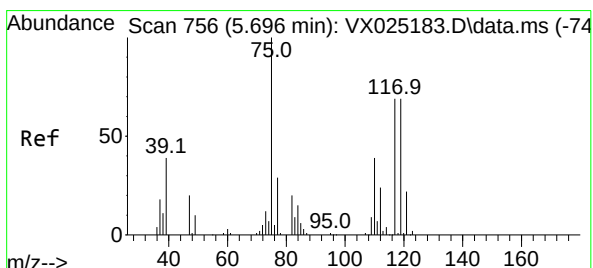
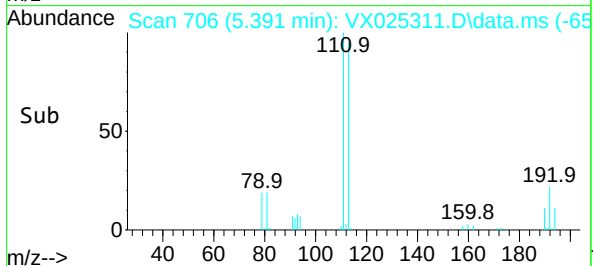
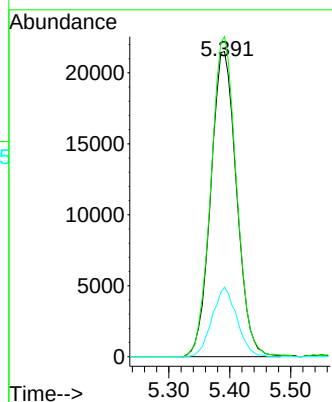


#35
Dibromofluoromethane
Concen: 52.545 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Instrument :
MSVOA_X
ClientSampleId :

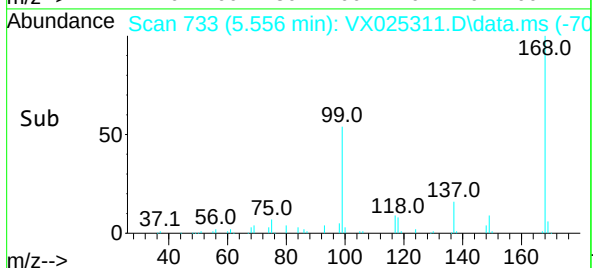
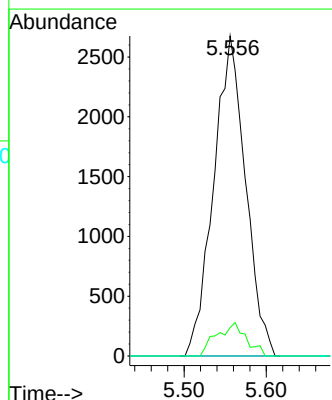
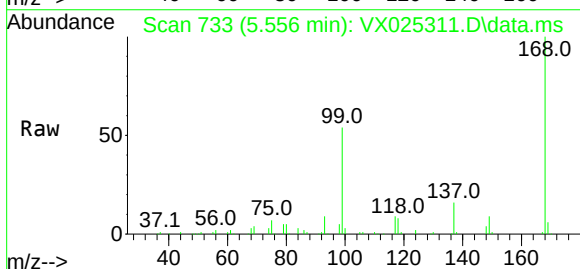


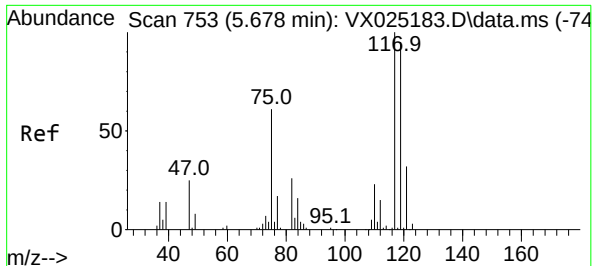
Tgt Ion:113 Resp: 63303
Ion Ratio Lower Upper
113 100
111 103.9 82.1 123.1
192 21.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.213 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

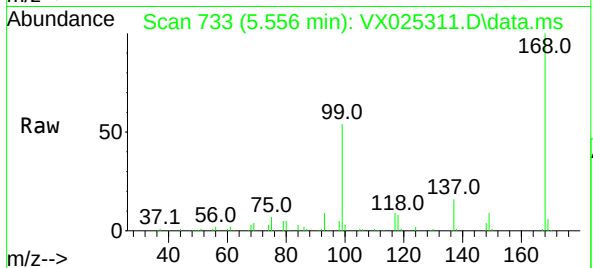
Tgt Ion: 75 Resp: 7217
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.3#
77 0.0 24.4 36.6#



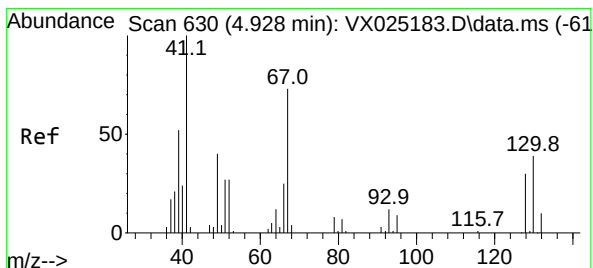
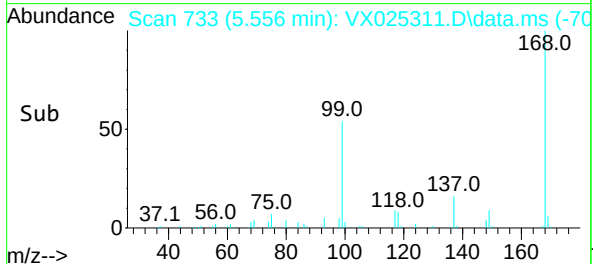
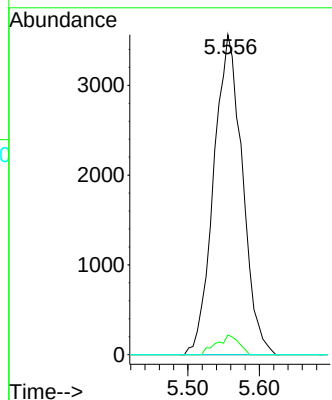


#38
Carbon Tetrachloride
Concen: 5.258 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Instrument :
MSVOA_X
ClientSampleId :

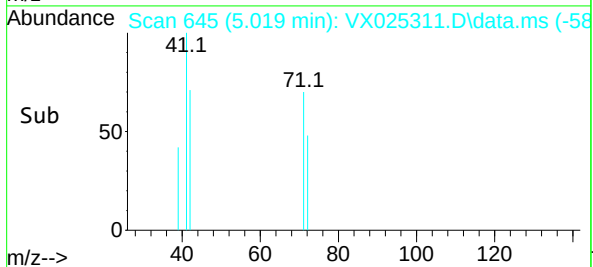
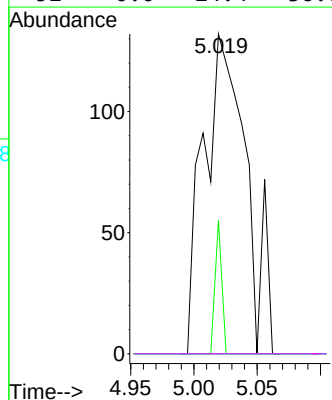
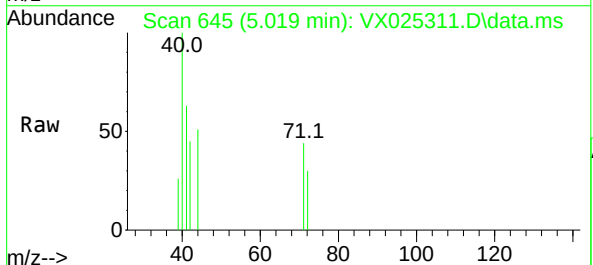


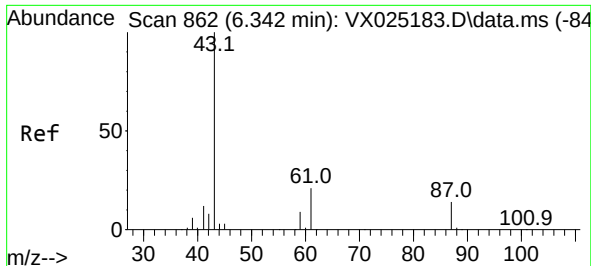
Tgt Ion:117 Resp: 9920
Ion Ratio Lower Upper
117 100
119 6.2 75.6 113.4#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: 0.286 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion: 41 Resp: 309
Ion Ratio Lower Upper
41 100
39 6.5 44.6 67.0#
67 0.0 56.7 85.1#
52 0.0 24.4 36.6#

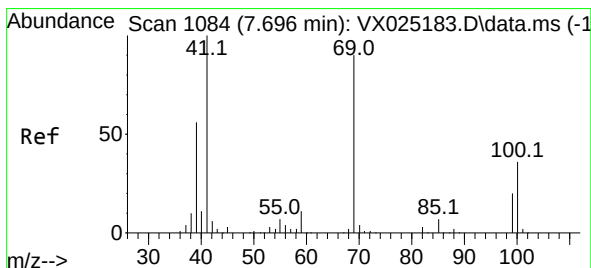
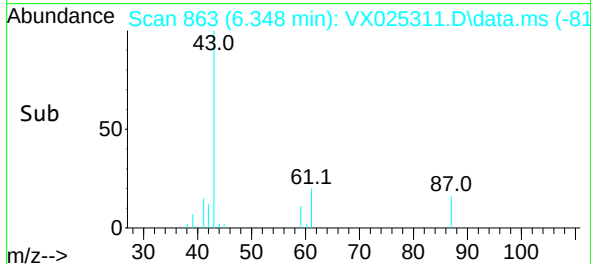
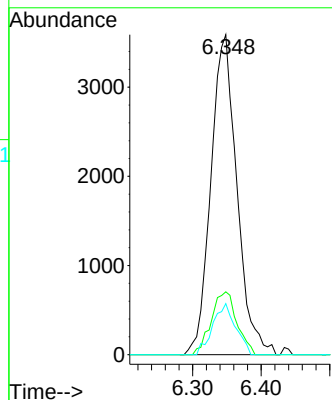
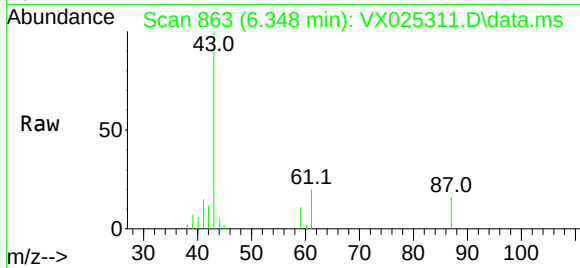




#43
Isopropyl Acetate
Concen: 2.920 ug/l
RT: 6.348 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

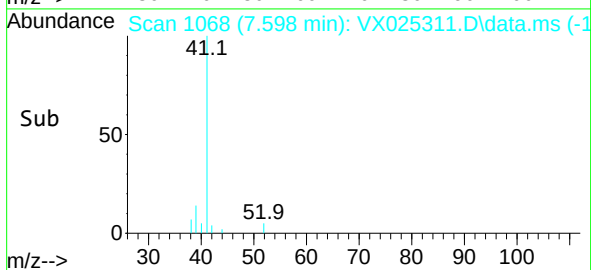
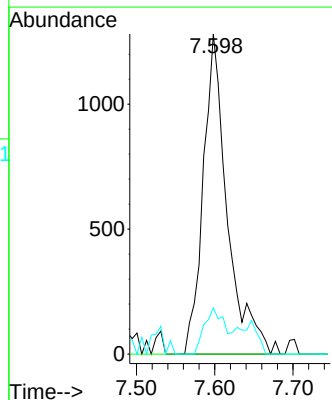
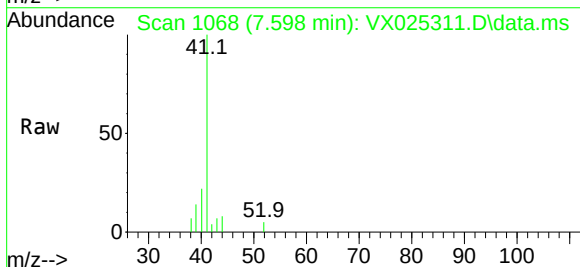
Instrument :
MSVOA_X
ClientSampleId :

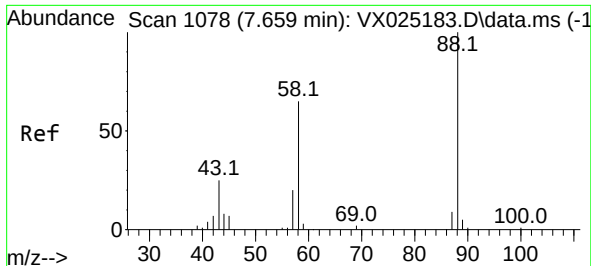
Tgt Ion: 43 Resp: 9470
Ion Ratio Lower Upper
43 100
61 19.4 15.3 22.9
87 14.0 10.9 16.3



#48
Methyl methacrylate
Concen: 1.803 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion: 41 Resp: 2745
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 46.9 70.3#





#49

1,4-Dioxane

Concen: 0.778 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX025311.D

Acq: 24 Nov 2021 05:51

Instrument :

MSVOA_X

ClientSampleId :

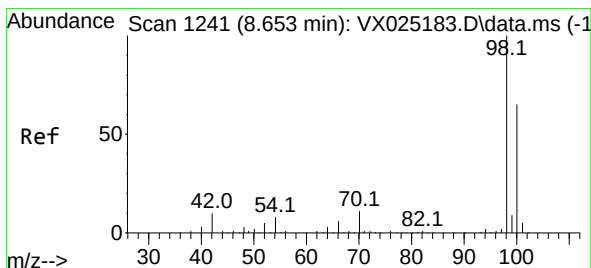
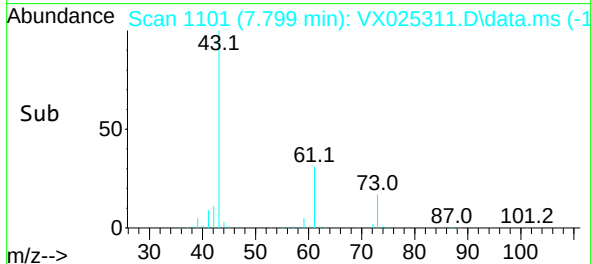
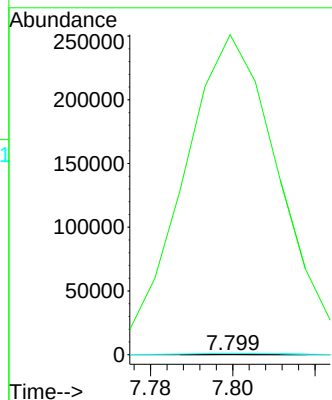
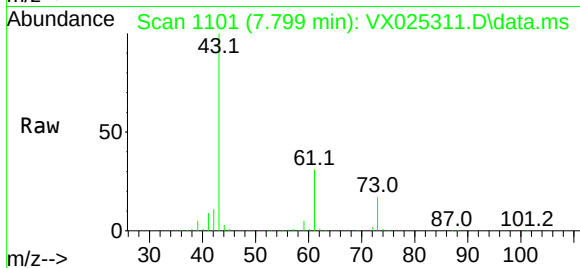
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 1678664.0 27.0 40.6#

58 7304.0 55.2 82.8#



#50

Toluene-d8

Concen: 52.892 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025311.D

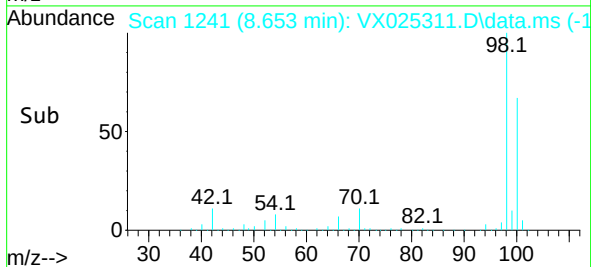
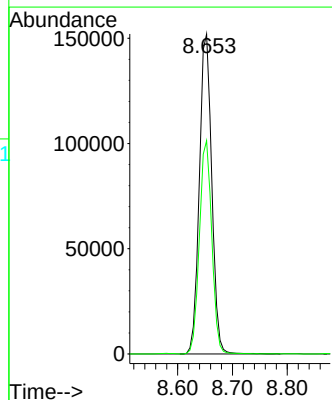
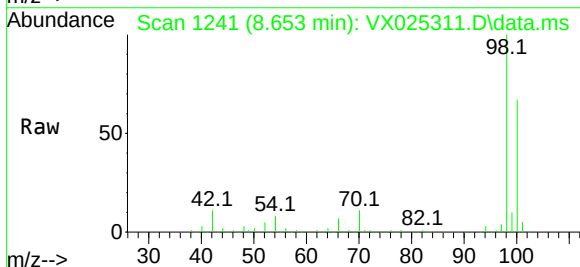
Acq: 24 Nov 2021 05:51

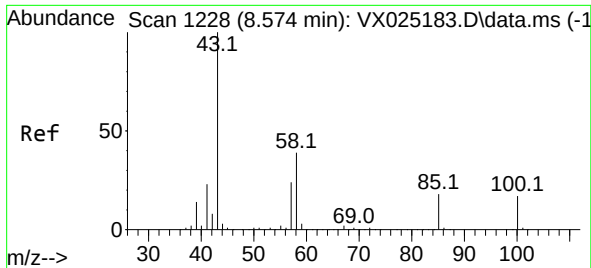
Tgt Ion: 98 Resp: 239582

Ion Ratio Lower Upper

98 100

100 66.7 51.4 77.0

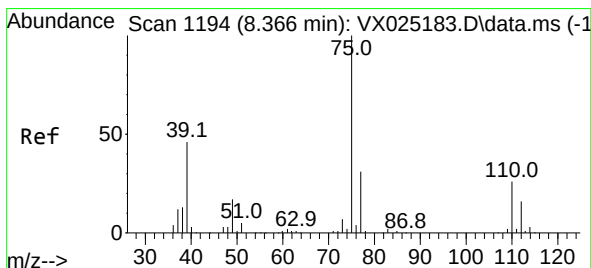
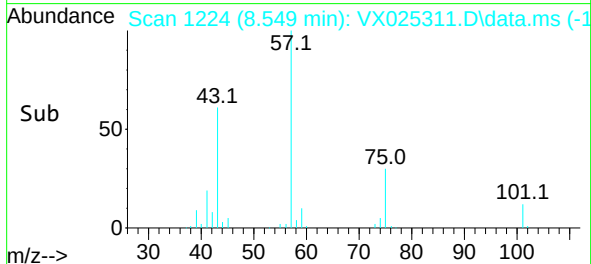
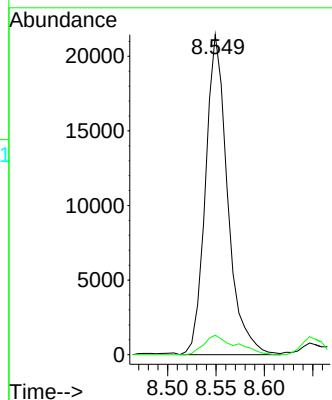
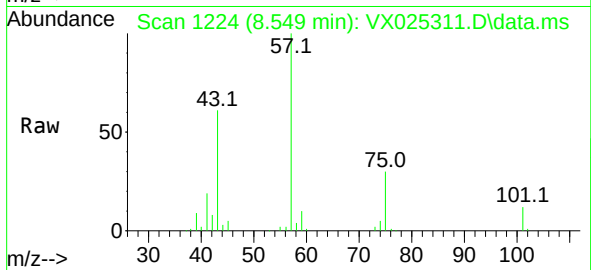




#51
4-Methyl-2-Pentanone
Concen: 16.817 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

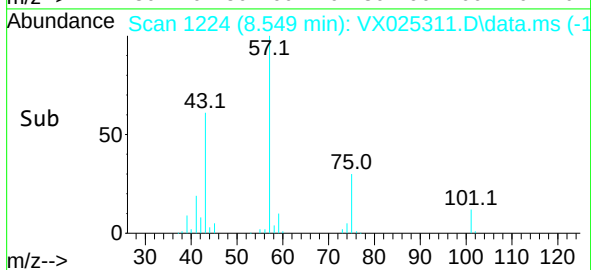
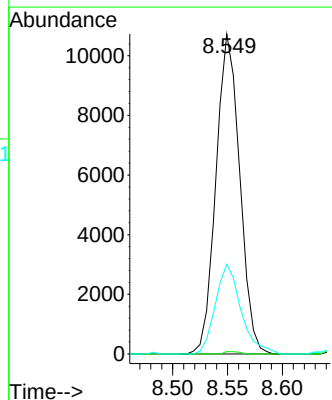
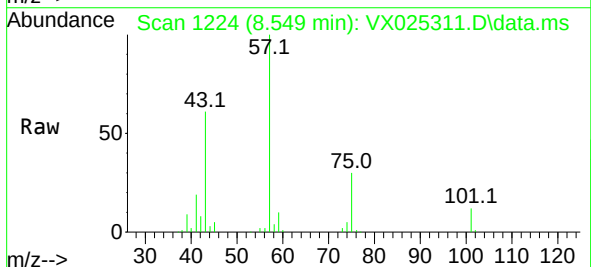
Instrument :
MSVOA_X
ClientSampleId :

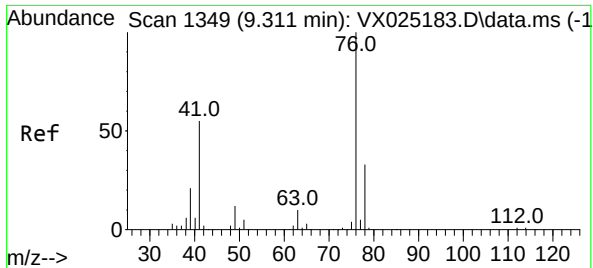
Tgt Ion: 43 Resp: 34205
Ion Ratio Lower Upper
43 100
58 8.7 30.9 46.3#



#54
cis-1,3-Dichloropropene
Concen: 7.377 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion: 75 Resp: 16170
Ion Ratio Lower Upper
75 100
77 0.8 23.8 35.8#
39 28.1 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 3.971 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX025311.D

Acq: 24 Nov 2021 05:51

Instrument :

MSVOA_X

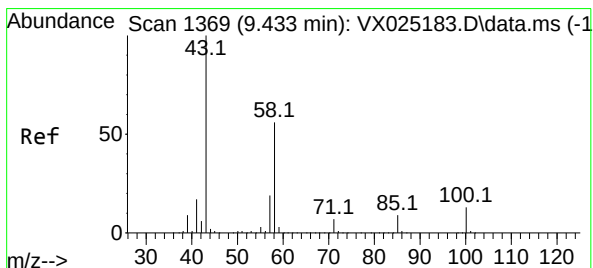
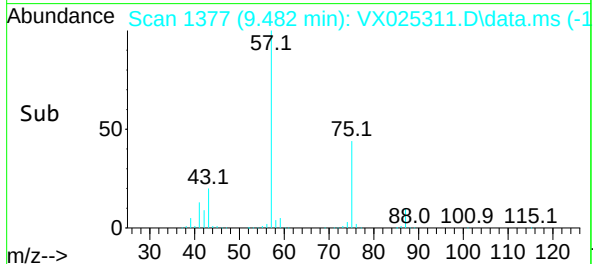
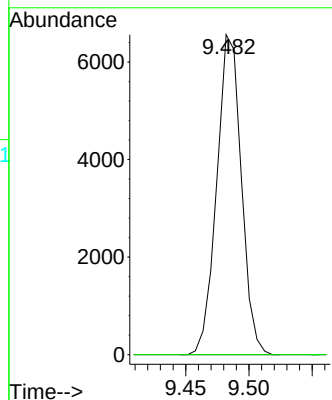
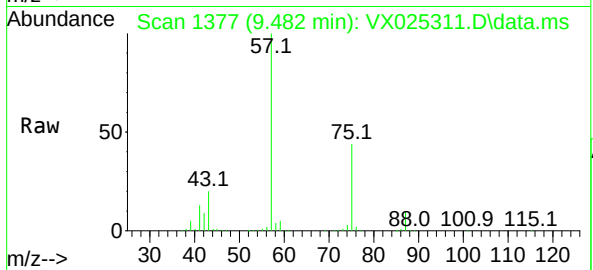
ClientSampleId :

Tgt Ion: 76 Resp: 8863

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 70.614 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX025311.D

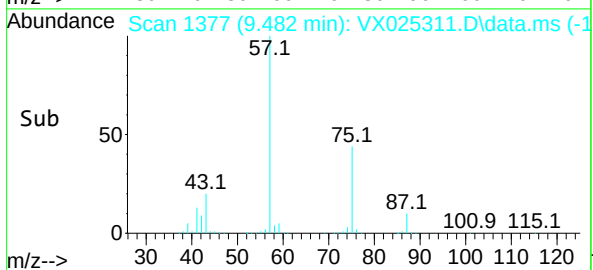
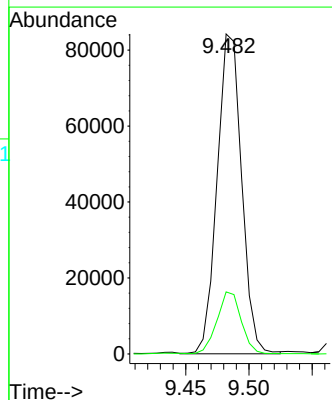
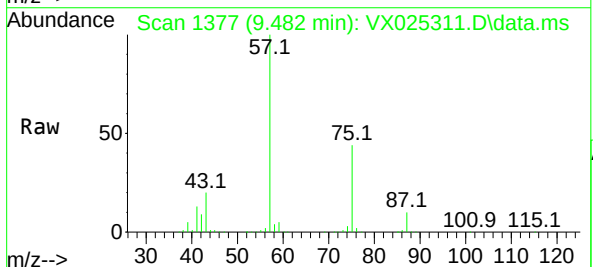
Acq: 24 Nov 2021 05:51

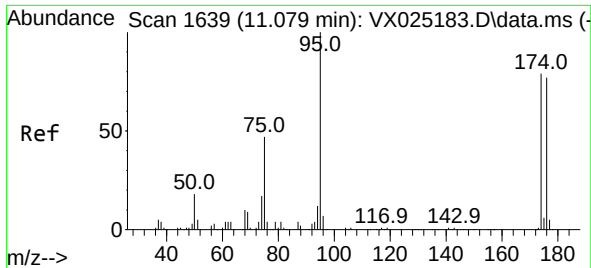
Tgt Ion: 43 Resp: 113230

Ion Ratio Lower Upper

43 100

58 19.4 26.6 79.7#

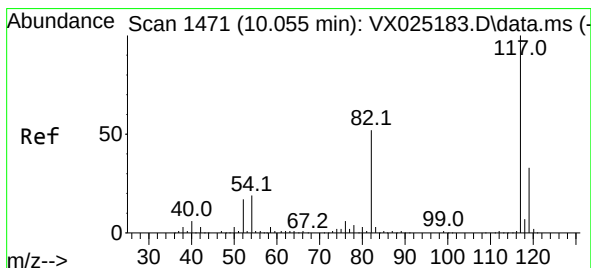
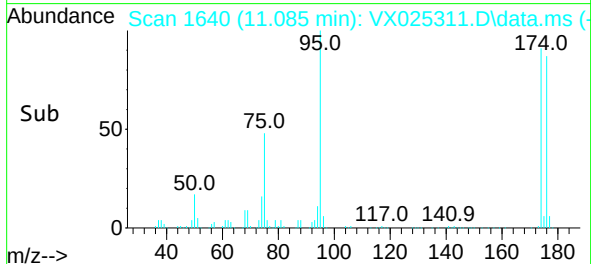
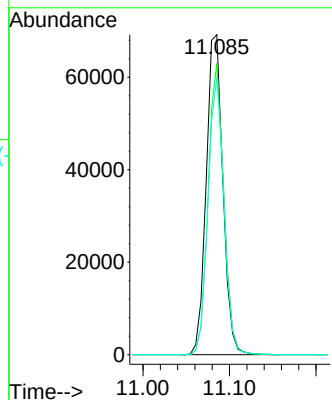
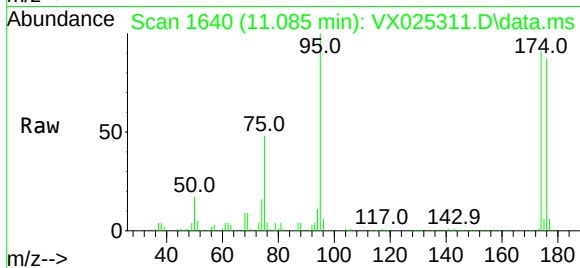




#62
4-Bromofluorobenzene
Concen: 53.978 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

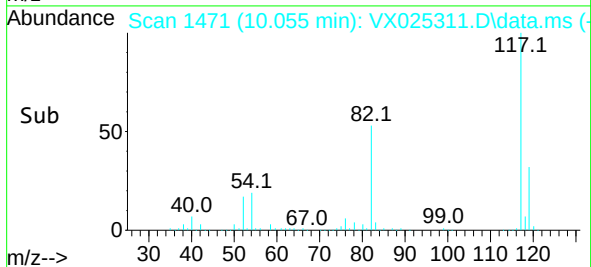
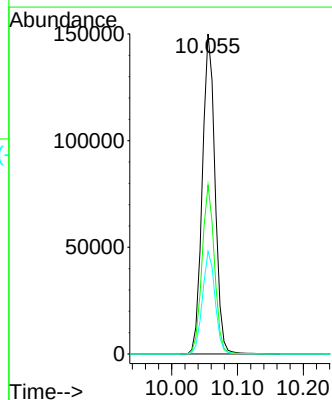
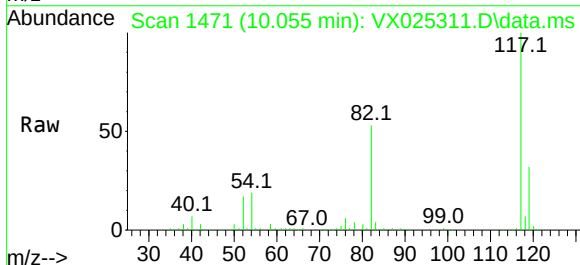
Instrument :
MSVOA_X
ClientSampleId :

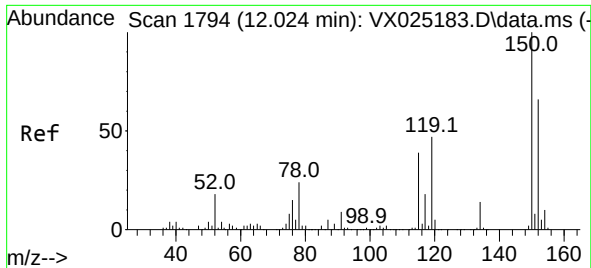
Tgt Ion: 95 Resp: 92497
Ion Ratio Lower Upper
95 100
174 86.2 0.0 158.0
176 82.8 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion: 117 Resp: 201126
Ion Ratio Lower Upper
117 100
82 52.8 44.6 67.0
119 32.0 24.8 37.2

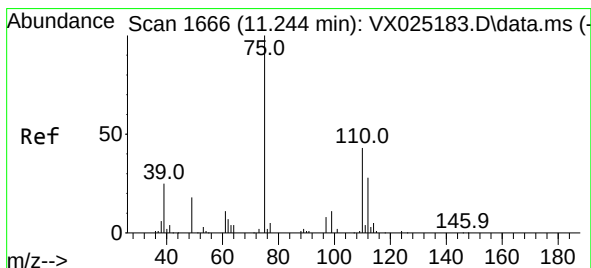
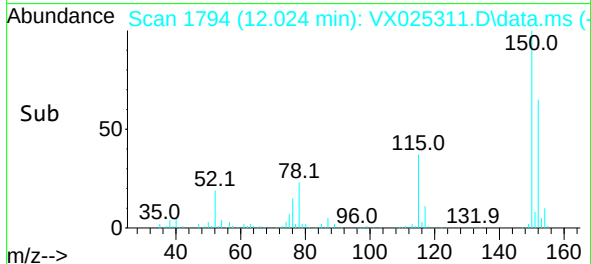
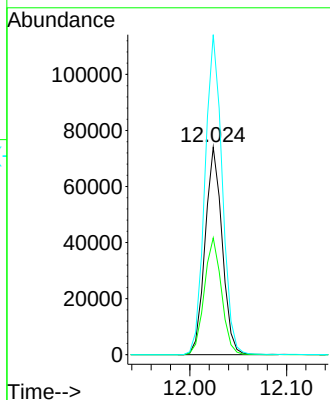
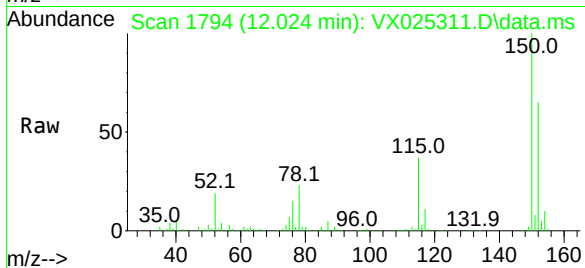




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025311.D
 Acq: 24 Nov 2021 05:51

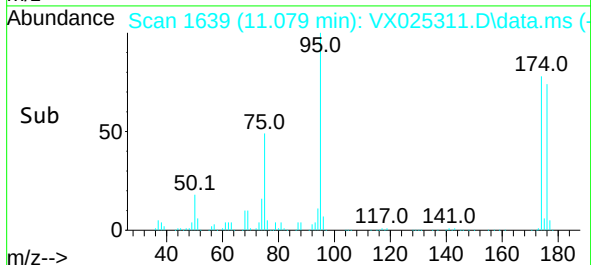
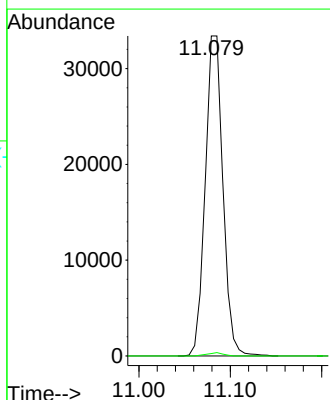
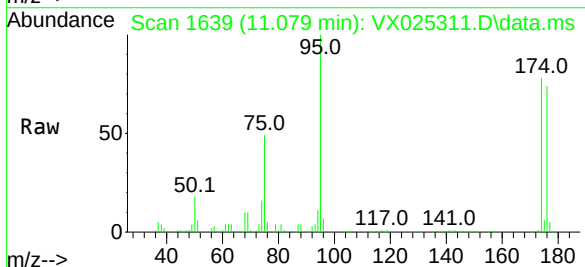
Instrument :
 MSVOA_X
 ClientSampleId :

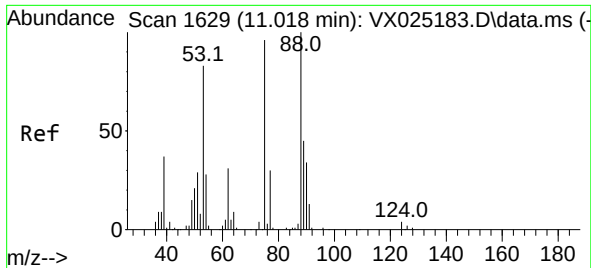
Tgt Ion:152 Resp: 90903
 Ion Ratio Lower Upper
 152 100
 115 56.6 43.3 129.8
 150 156.6 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 24.062 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025311.D
 Acq: 24 Nov 2021 05:51

Tgt Ion: 75 Resp: 44791
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 59.9#

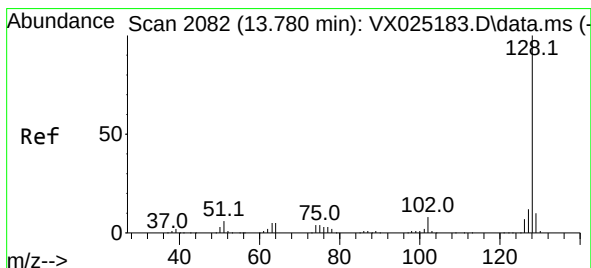
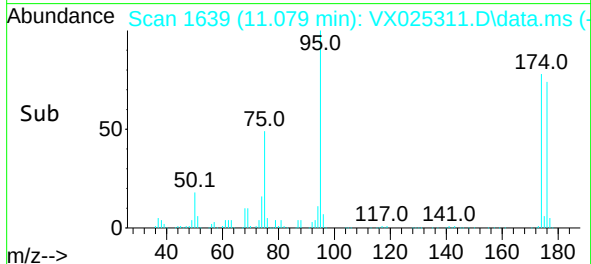
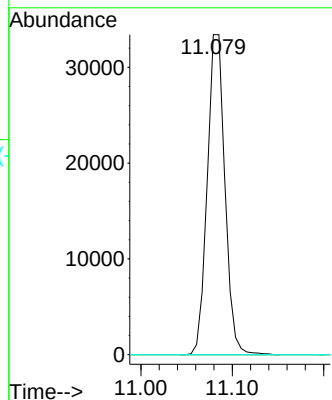
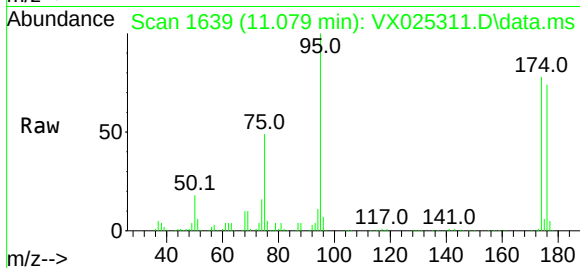




#81
trans-1,4-Dichloro-2-butene
Concen: 60.616 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 44791
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025311.D
Acq: 24 Nov 2021 05:51

Tgt Ion:128 Resp: 410
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

