

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024727.D
 Acq On : 11 Oct 2021 21:09
 Operator : JC/MD
 Sample : M4159-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 06:55:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

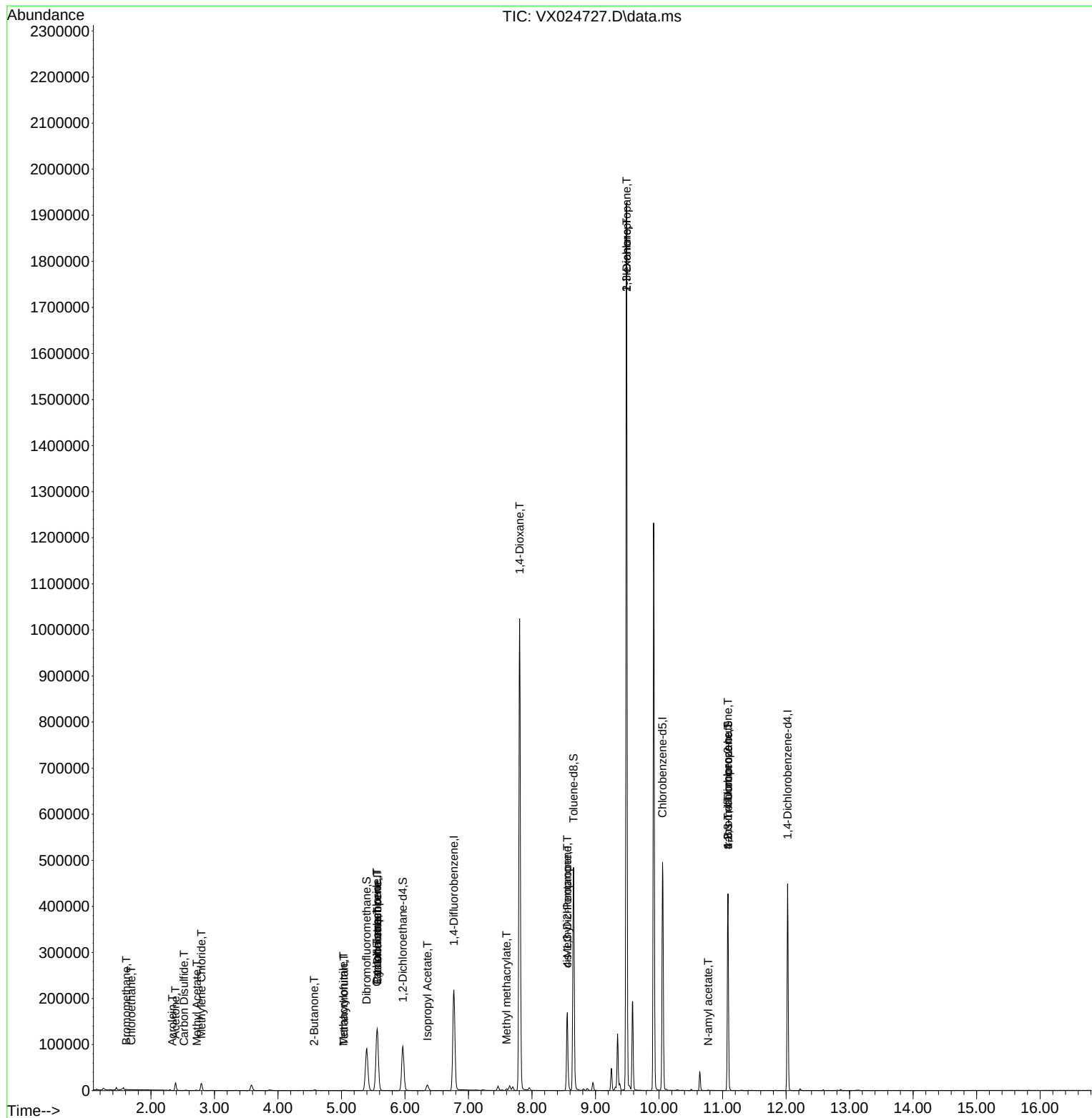
Internal Standards						
1) Pentafluorobenzene	5.562	168	123607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	218571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95662	54.912	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.820%		
35) Dibromofluoromethane	5.397	113	74668	51.424	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.840%		
50) Toluene-d8	8.653	98	277381	51.903	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.800%		
62) 4-Bromofluorobenzene	11.085	95	106052	50.471	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.940%		
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	273	0.331	ug/l #	68
6) Chloroethane	1.691	64	143	0.432	ug/l #	43
11) Tert butyl alcohol	2.977	59	566	Below Cal	#	73
13) Acrolein	2.337	56	23	10.292	ug/l #	14
16) Acetone	2.386	43	17544	14.307	ug/l	89
17) Carbon Disulfide	2.520	76	308	0.333	ug/l #	75
18) Methyl Acetate	2.721	43	1284	0.492	ug/l #	84
20) Methylene Chloride	2.794	84	6922	4.264	ug/l	89
25) 2-Butanone	4.568	43	2702	2.252	ug/l #	77
29) Tetrahydrofuran	5.038	42	709	0.927	ug/l #	45
31) Cyclohexane	5.562	56	2999	1.438	ug/l #	27
36) 1,1-Dichloropropene	5.562	75	10063	4.803	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12962	5.683	ug/l #	15
41) Methacrylonitrile	5.031	41	398	0.295	ug/l #	40
43) Isopropyl Acetate	6.354	43	16423	4.129	ug/l #	92
48) Methyl methacrylate	7.598	41	4903	2.490	ug/l #	10
49) 1,4-Dioxane	7.805	88	144	3.192	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60504	23.044	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	26280	10.734	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	16054	5.945	ug/l #	42
59) 2-Hexanone	9.488	43	228577	110.545	ug/l #	43
74) N-amyl acetate	10.774	43	741	0.256	ug/l #	41
76) 1,2,3-Trichloropropane	11.085	75	57354	28.344	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57354	77.035	ug/l #	12

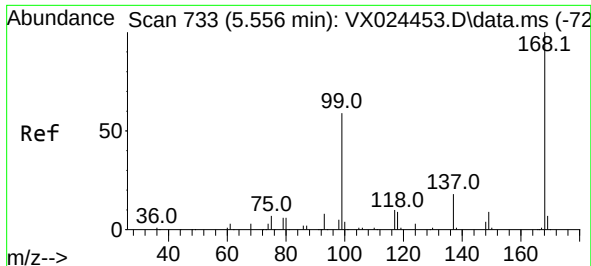
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Oct 12 06:55:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

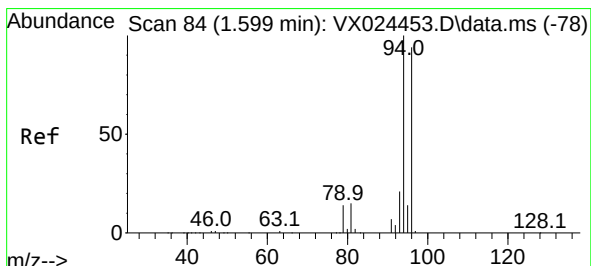
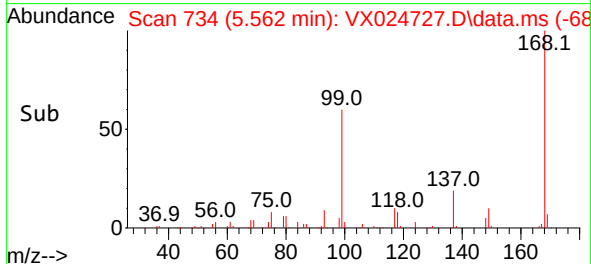
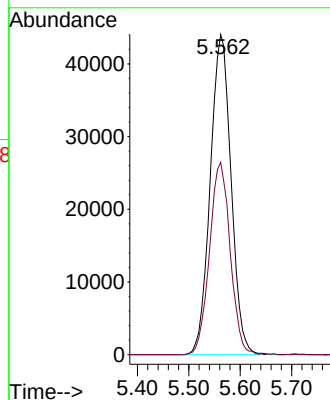
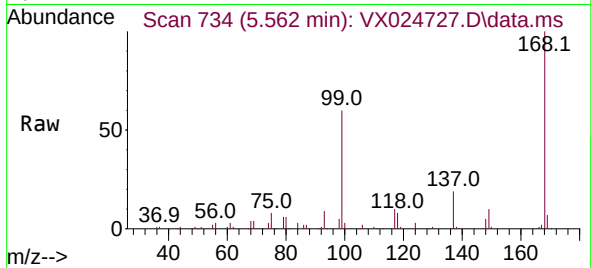




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

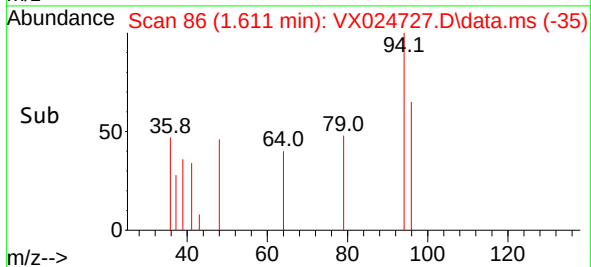
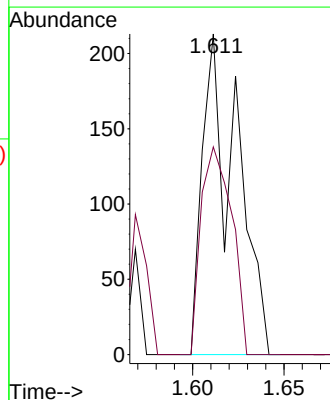
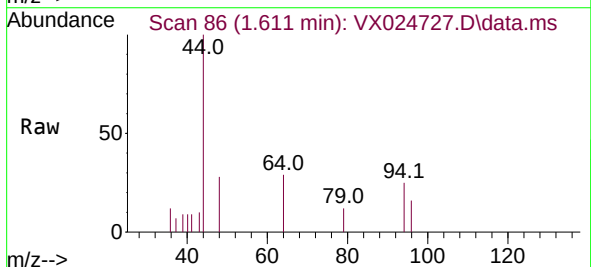
Instrument :
MSVOA_X
ClientSampled :

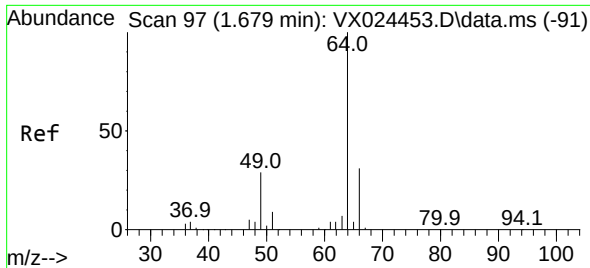
Tgt Ion:168 Resp: 123607
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 64.8 76.4 114.6#

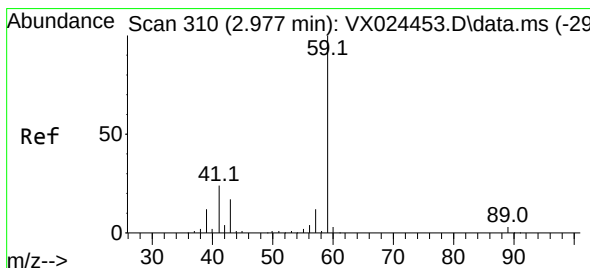
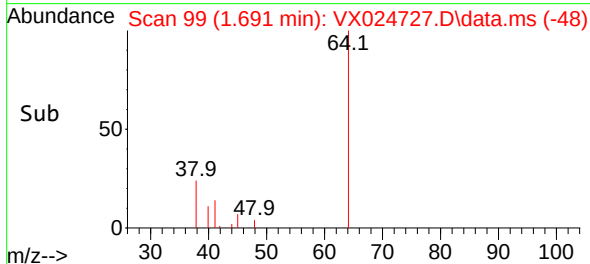
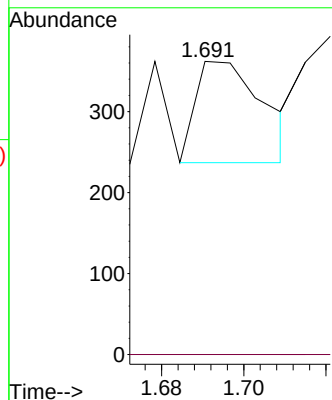
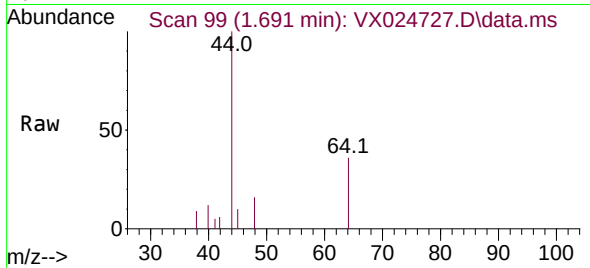




#6
Chloroethane
Concen: 0.432 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

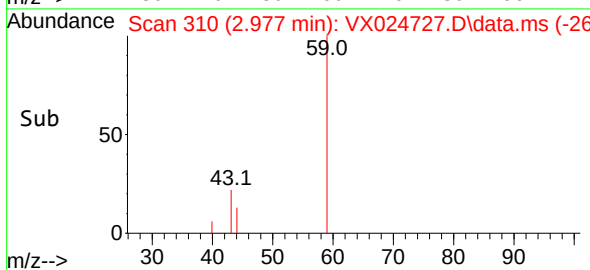
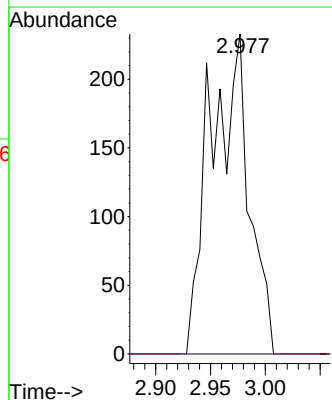
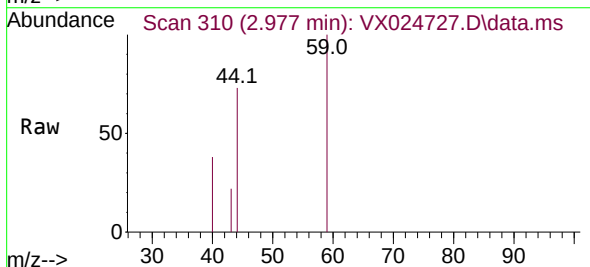
Instrument :
MSVOA_X
ClientSampled :

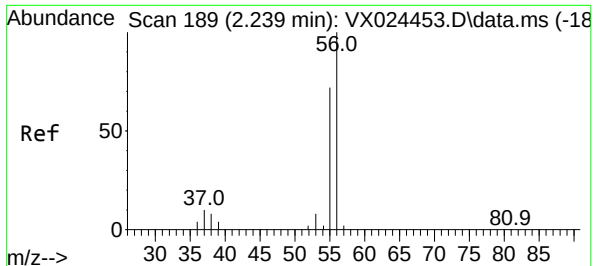
Tgt Ion: 64 Resp: 143
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 59 Resp: 566
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

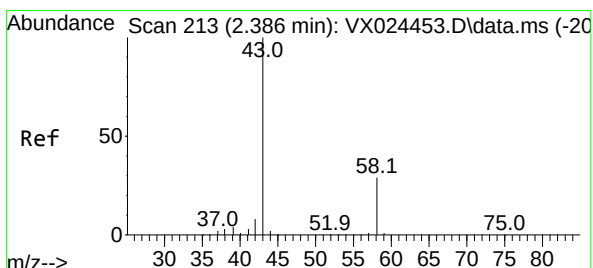
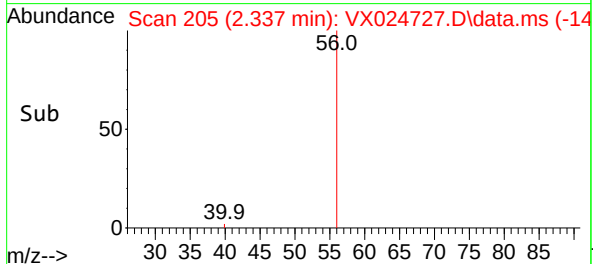
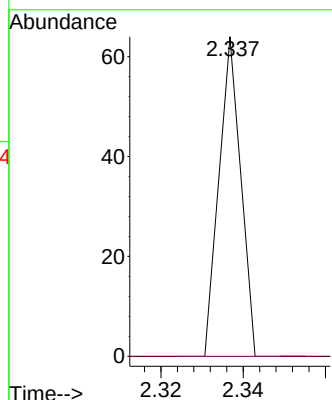
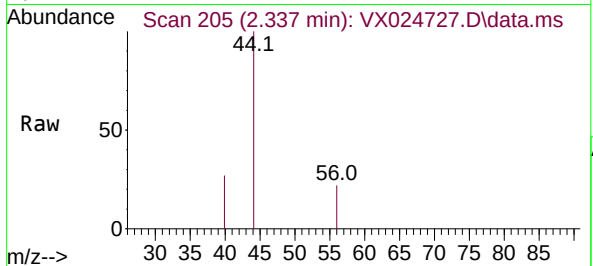




#13
Acrolein
Concen: 10.292 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.098 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

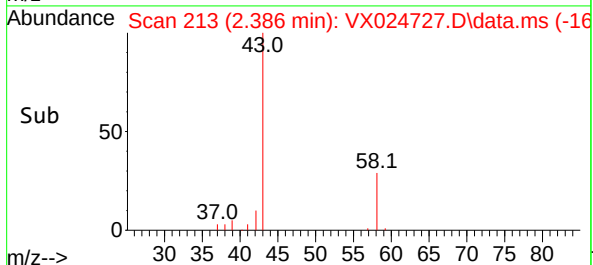
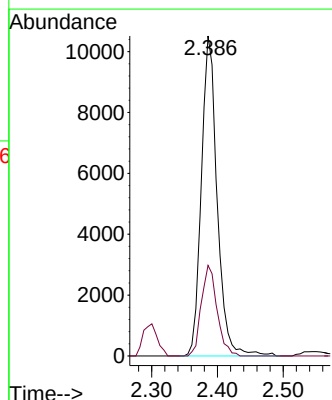
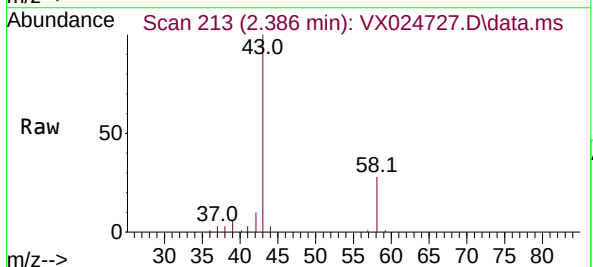
Instrument :
MSVOA_X
ClientSampled :

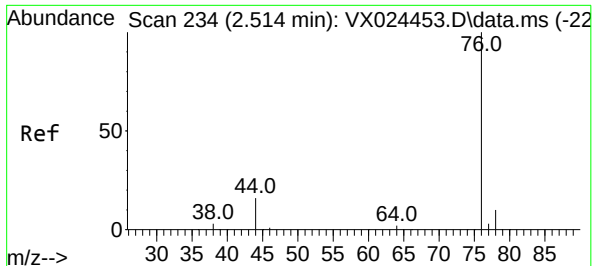
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 14.307 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 43 Resp: 17544
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8

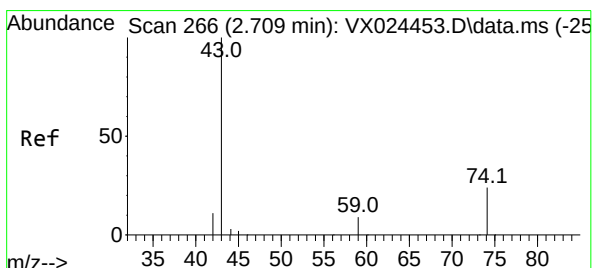
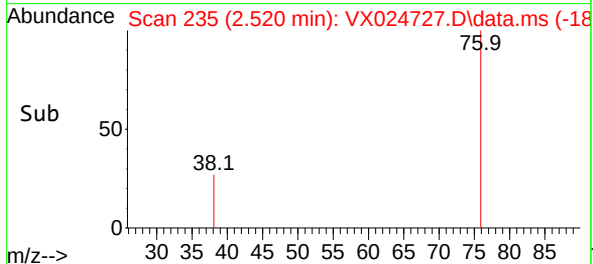
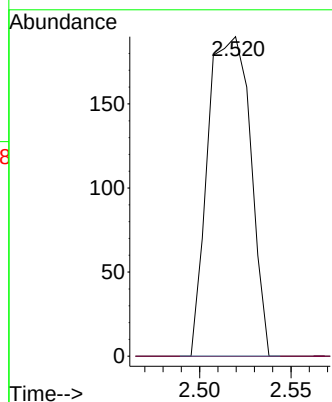
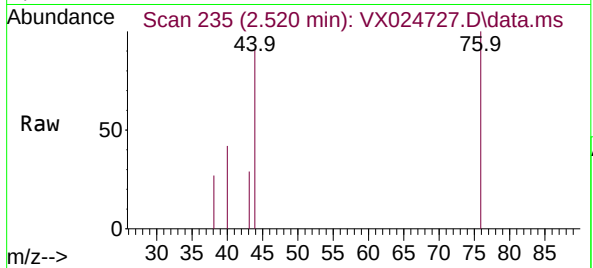




#17
Carbon Disulfide
Concen: 0.333 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

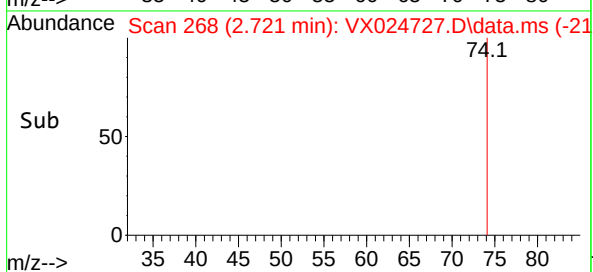
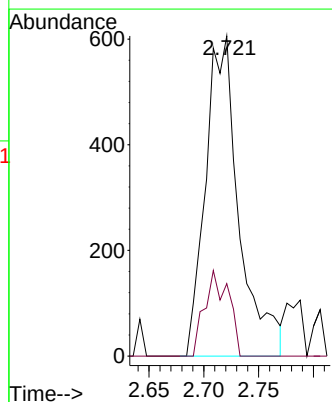
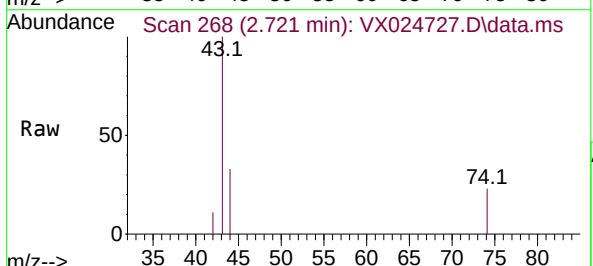
Instrument :
MSVOA_X
ClientSampled :

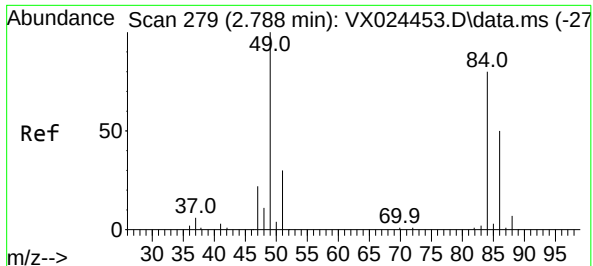
Tgt Ion: 76 Resp: 308
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
74 19.1 21.9 32.9#





#20

Methylene Chloride

Concen: 4.264 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024727.D

Acq: 11 Oct 2021 21:09

Tgt Ion: 84 Resp: 6922

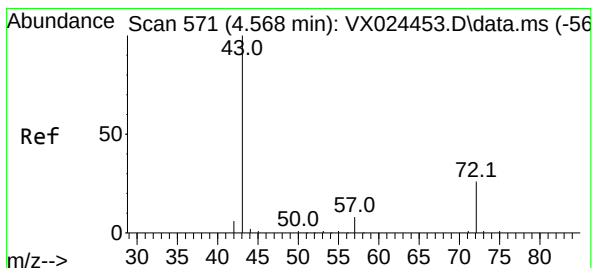
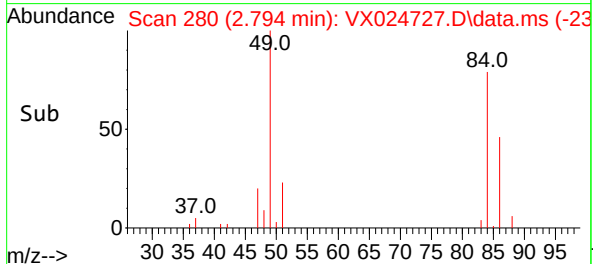
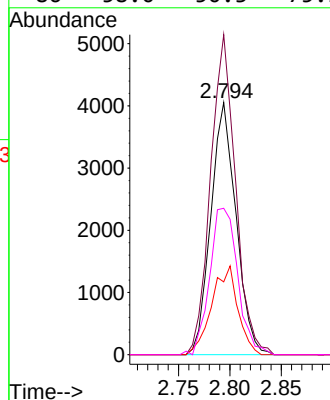
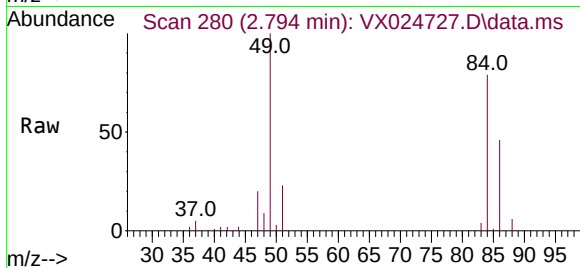
Ion Ratio Lower Upper

84 100

49 126.9 88.6 132.8

51 28.9 27.0 40.6

86 58.0 50.3 75.5



#25

2-Butanone

Concen: 2.252 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX024727.D

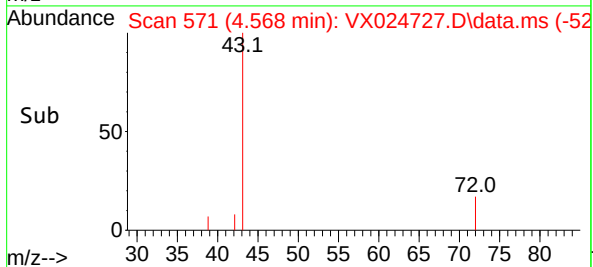
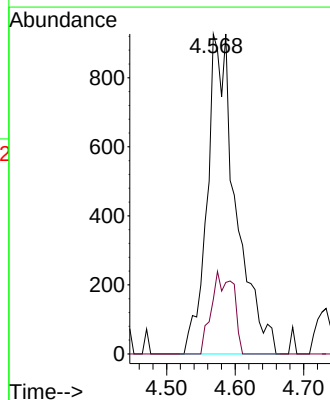
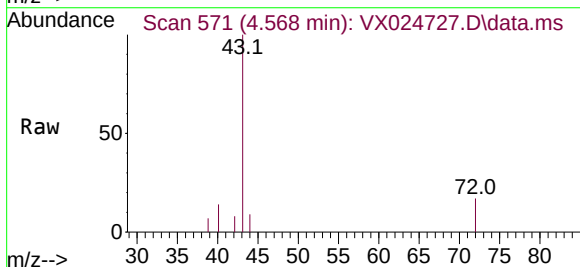
Acq: 11 Oct 2021 21:09

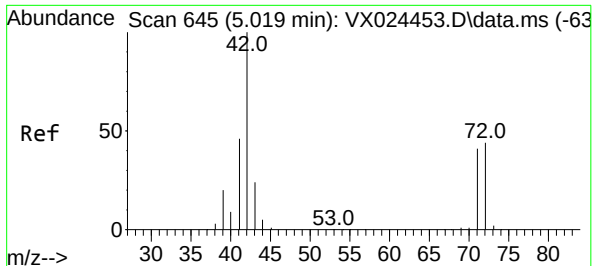
Tgt Ion: 43 Resp: 2702

Ion Ratio Lower Upper

43 100

72 17.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.927 ug/l

RT: 5.038 min Scan# 648

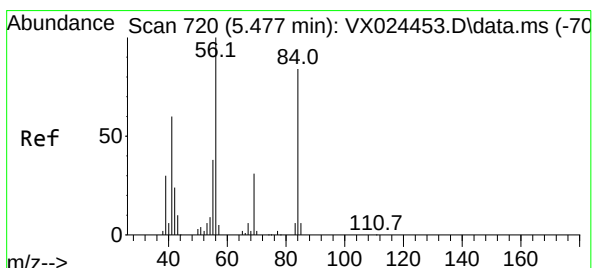
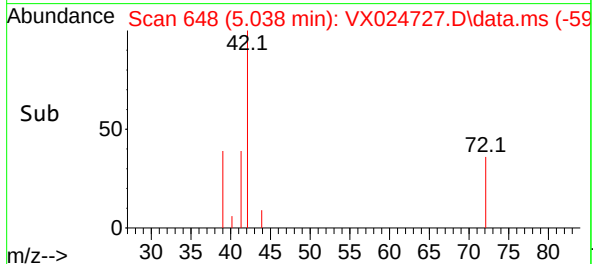
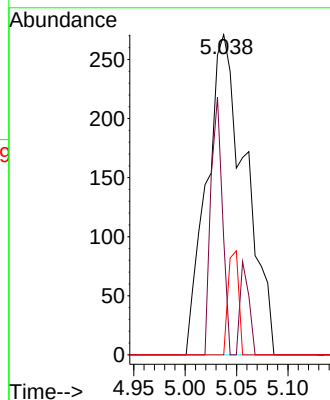
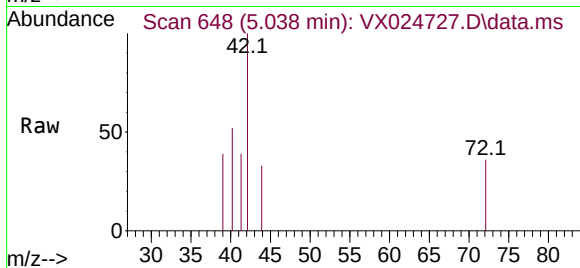
Delta R.T. 0.019 min

Lab File: VX024727.D

Acq: 11 Oct 2021 21:09

Tgt Ion: 42	Resp:	709
Ion	Ratio	Lower Upper
42	100	
72	24.1	41.7 62.5#
71	0.0	38.4 57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.438 ug/l

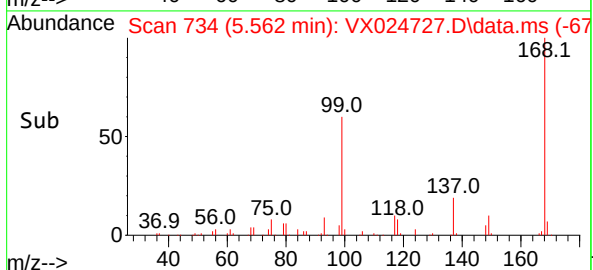
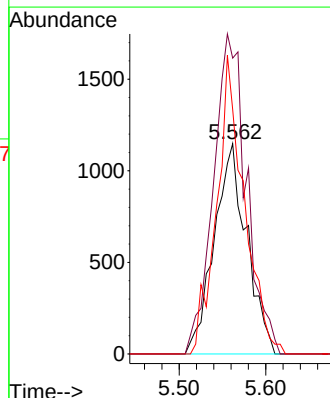
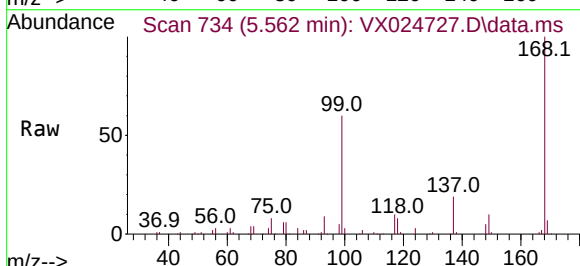
RT: 5.562 min Scan# 734

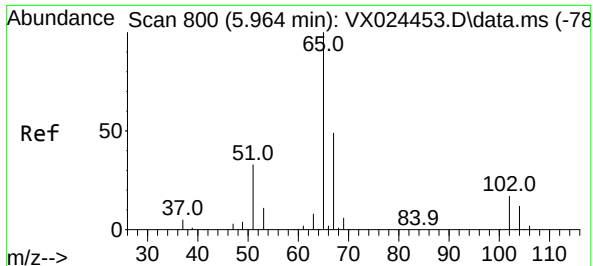
Delta R.T. 0.085 min

Lab File: VX024727.D

Acq: 11 Oct 2021 21:09

Tgt Ion: 56	Resp:	2999
Ion	Ratio	Lower Upper
56	100	
69	140.7	25.3 37.9#
84	116.3	71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 54.912 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024727.D

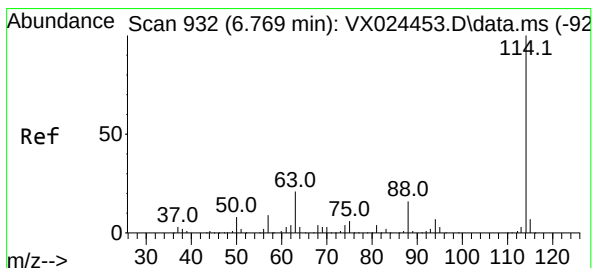
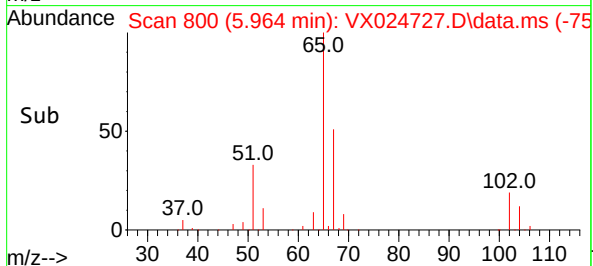
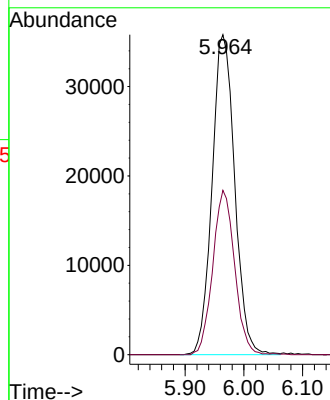
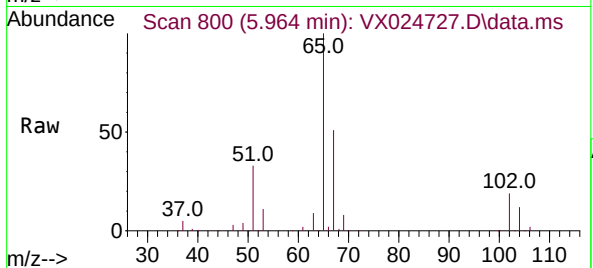
Acq: 11 Oct 2021 21:09

Tgt Ion: 65 Resp: 95662

Ion Ratio Lower Upper

65 100

67 49.7 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX024727.D

Acq: 11 Oct 2021 21:09

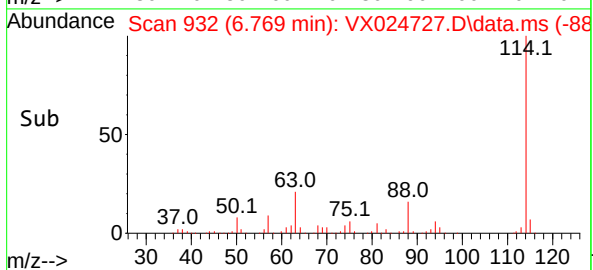
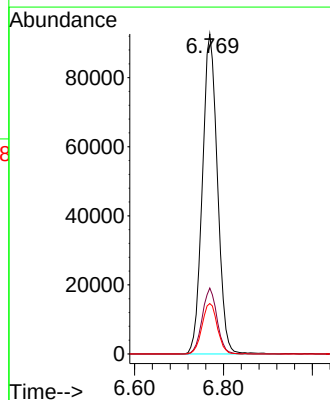
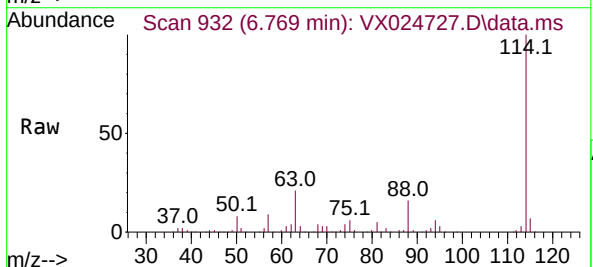
Tgt Ion: 114 Resp: 218571

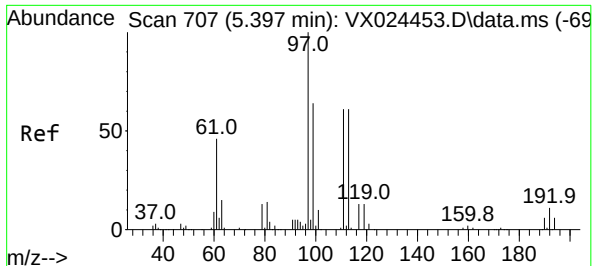
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.8 0.0 32.8

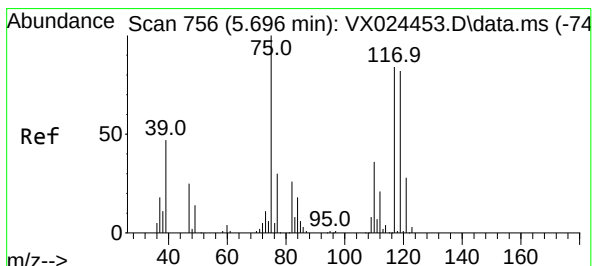
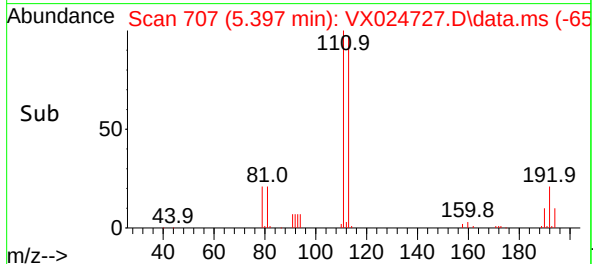
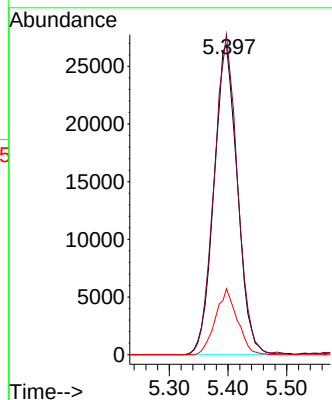
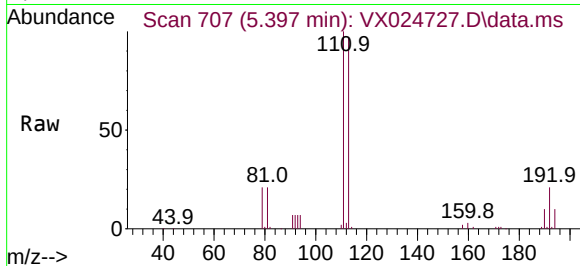




#35
Dibromofluoromethane
Concen: 51.424 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

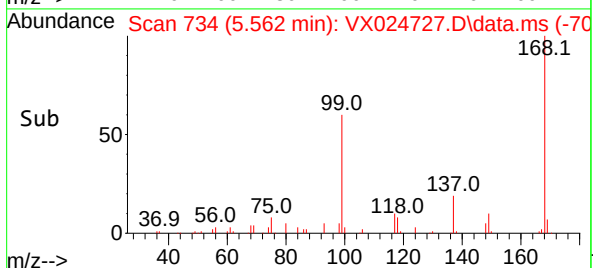
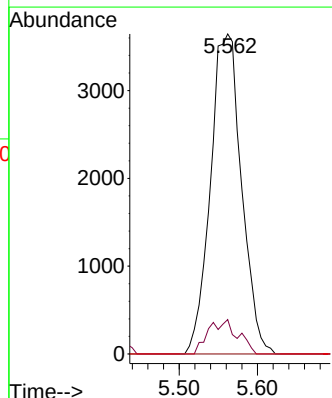
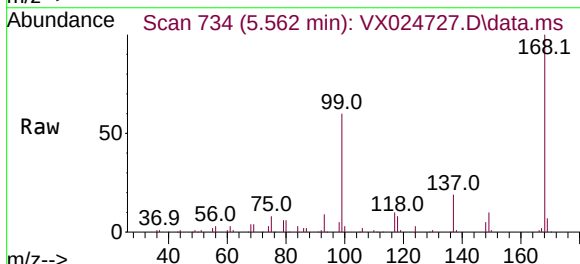
Instrument :
MSVOA_X
ClientSampleId :

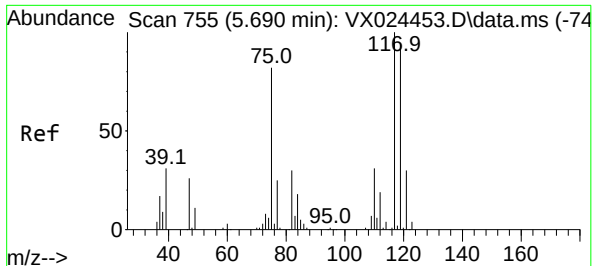
Tgt Ion:113 Resp: 74668
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

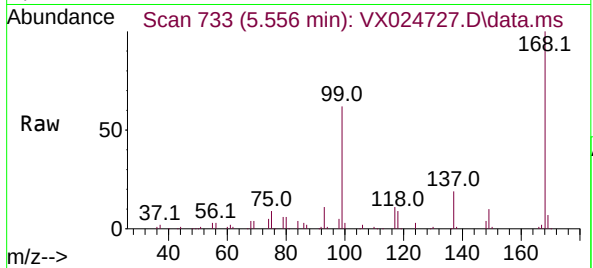
Tgt Ion: 75 Resp: 10063
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



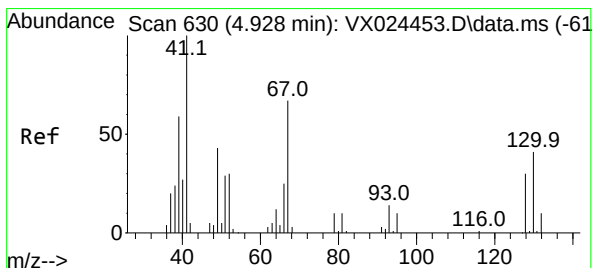
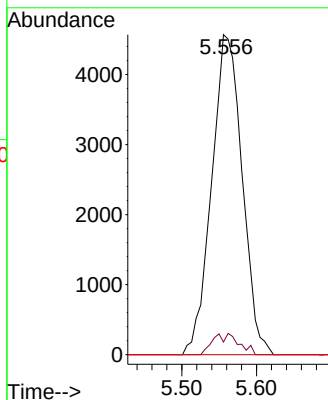
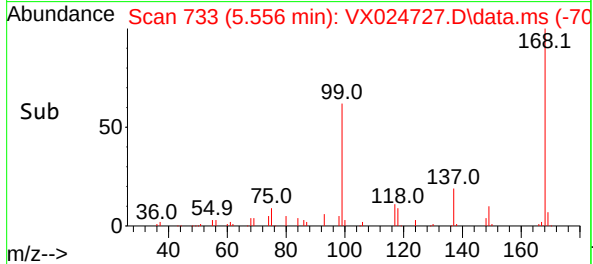


#38
Carbon Tetrachloride
Concen: 5.683 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

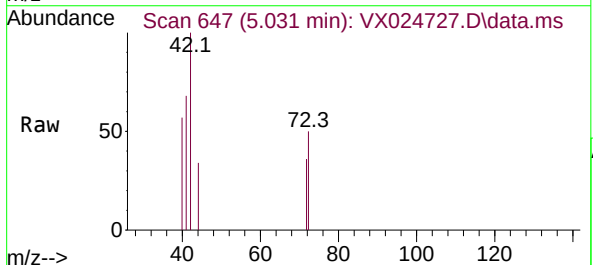
Instrument :
MSVOA_X
ClientSampleId :



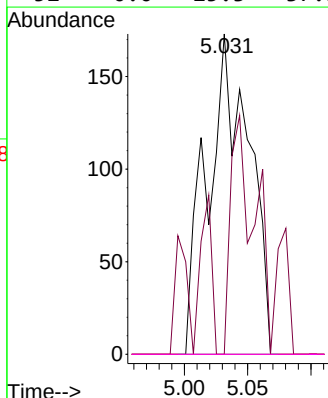
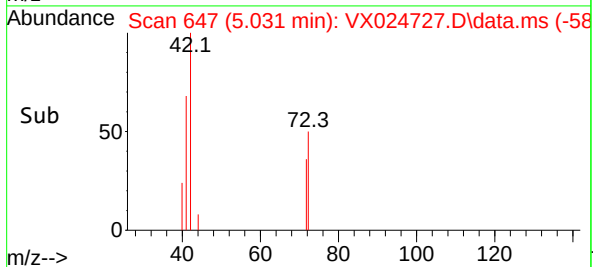
Tgt Ion:117 Resp: 12962
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 24.8 37.2#

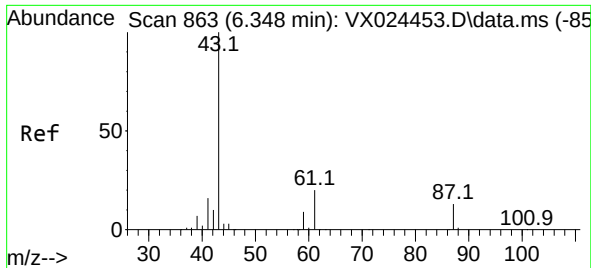


#41
Methacrylonitrile
Concen: 0.295 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.103 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09



Tgt Ion: 41 Resp: 398
Ion Ratio Lower Upper
41 100
39 42.7 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

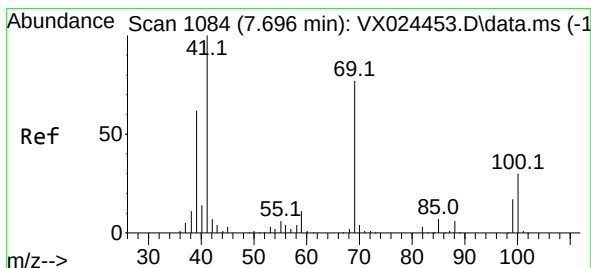
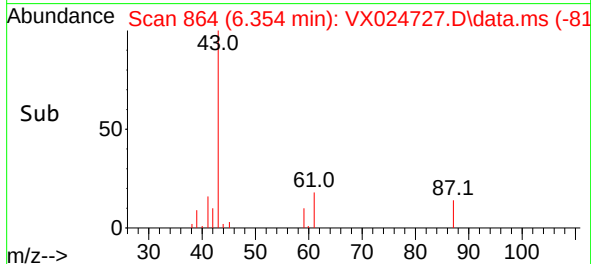
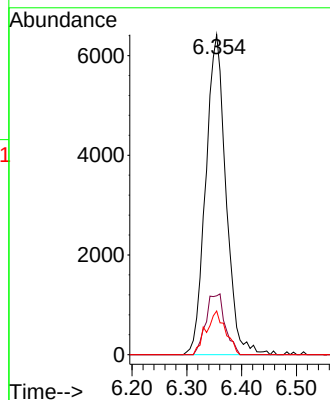
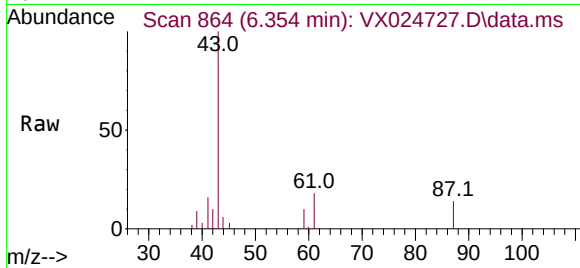




#43
Isopropyl Acetate
Concen: 4.129 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

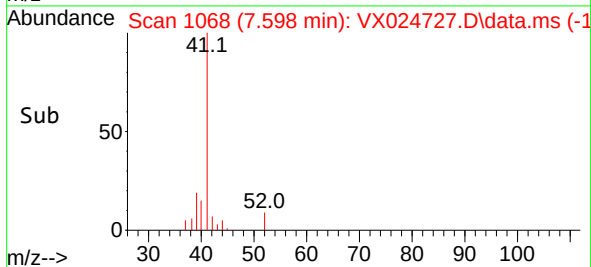
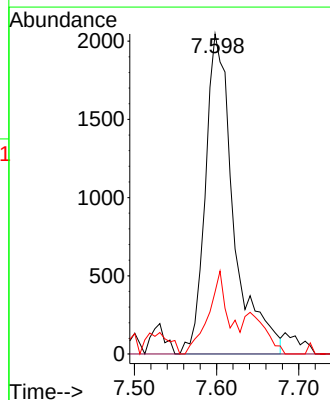
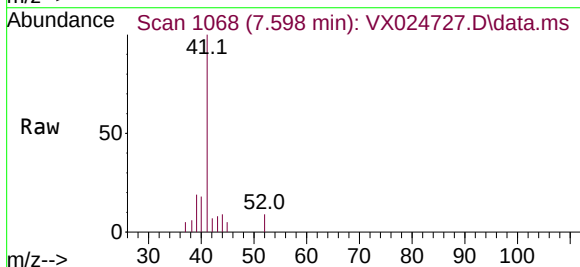
Instrument :
MSVOA_X
ClientSampled :

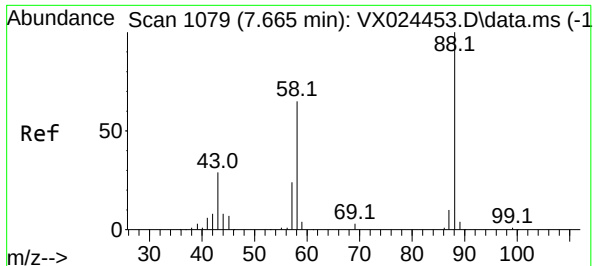
Tgt Ion: 43 Resp: 16423
Ion Ratio Lower Upper
43 100
61 18.1 18.2 27.4#
87 13.1 12.5 18.7



#48
Methyl methacrylate
Concen: 2.490 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 41 Resp: 4903
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 3.192 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX024727.D

Acq: 11 Oct 2021 21:09

Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

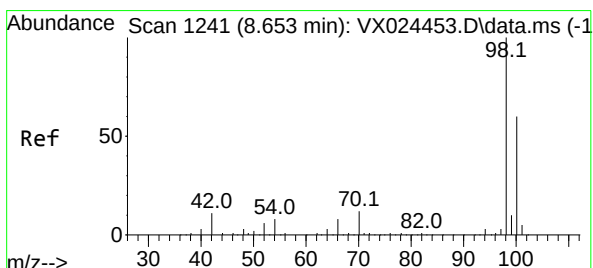
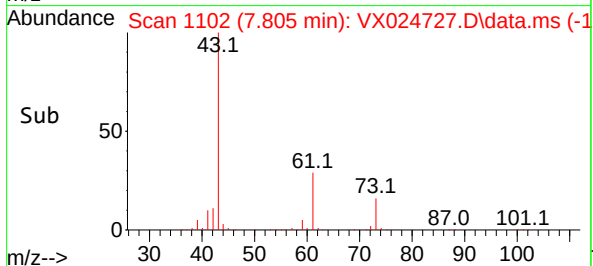
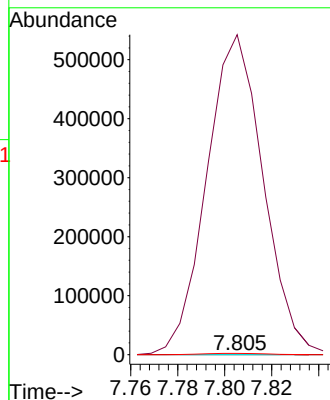
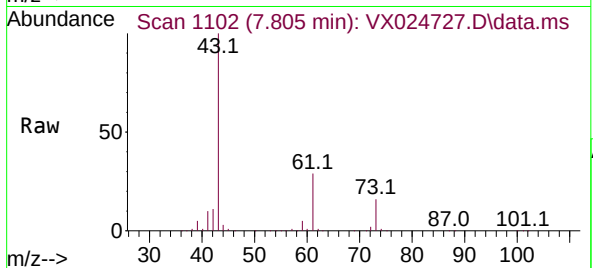
43 636112.5 23.2 34.8#

58 2940.3 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :



#50

Toluene-d8

Concen: 51.903 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024727.D

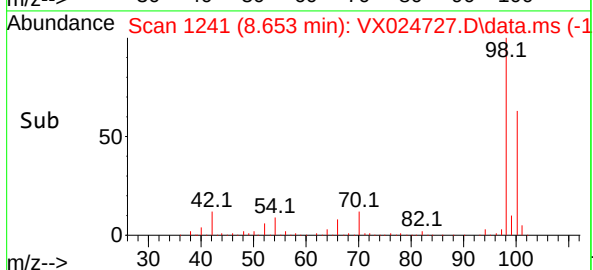
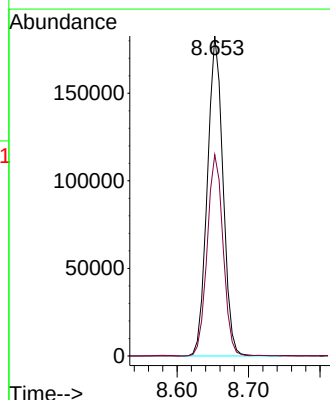
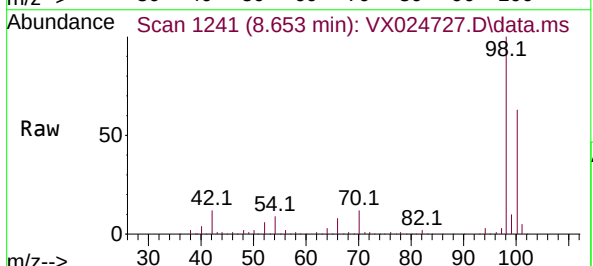
Acq: 11 Oct 2021 21:09

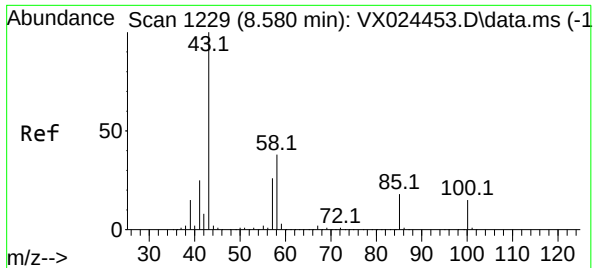
Tgt Ion: 98 Resp: 277381

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9

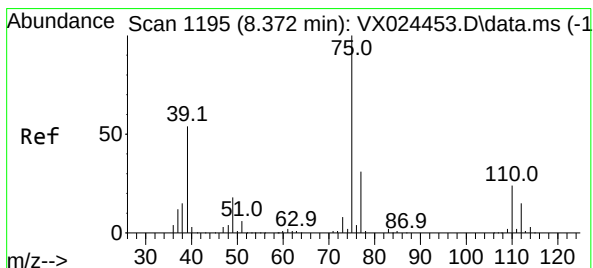
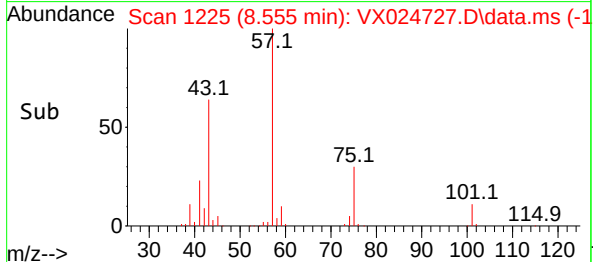
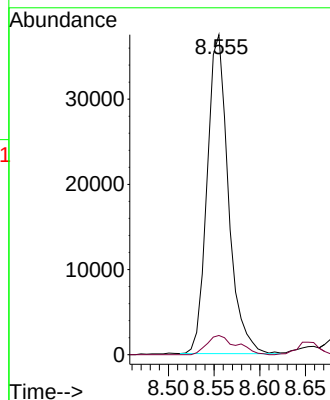
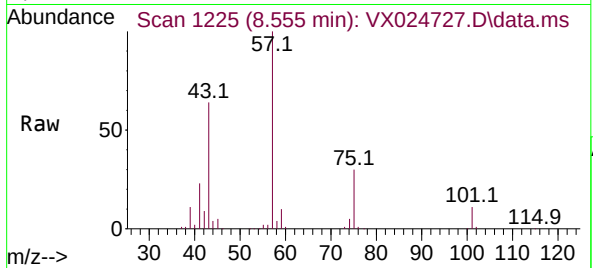




#51
4-Methyl-2-Pentanone
Concen: 23.044 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

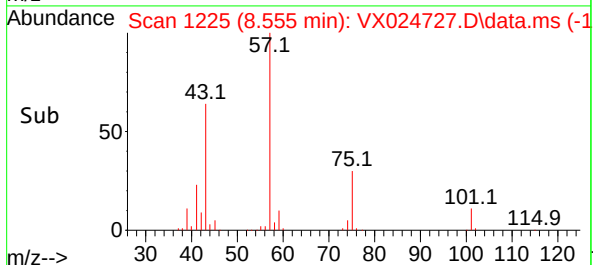
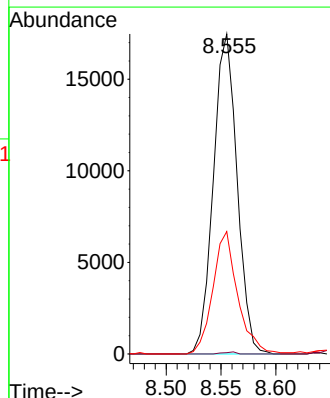
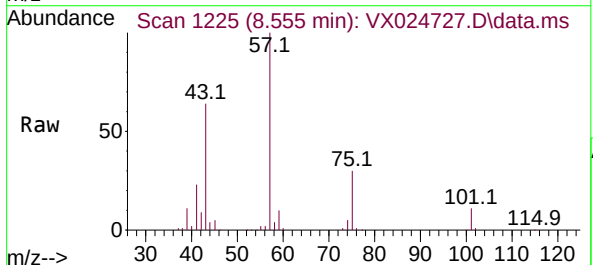
Instrument :
MSVOA_X
ClientSampled :

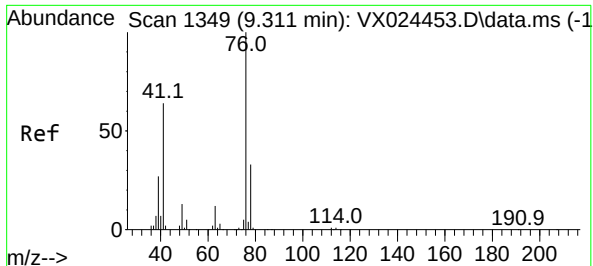
Tgt Ion: 43 Resp: 60504
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.734 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 75 Resp: 26280
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 38.3 35.1 52.7



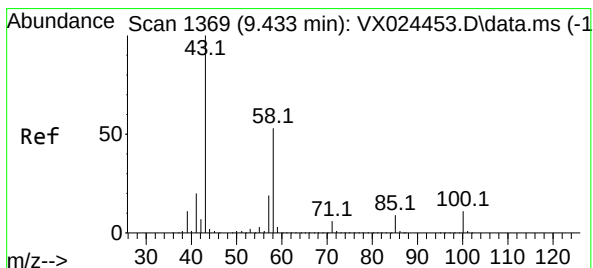
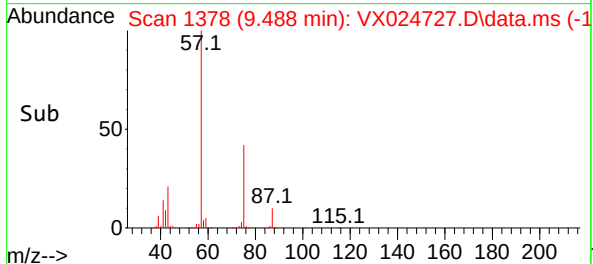
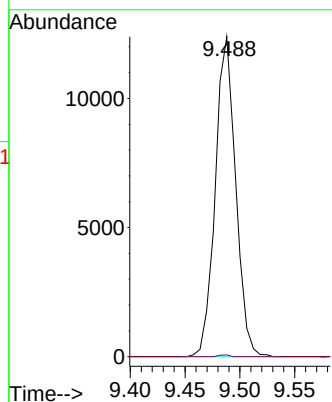
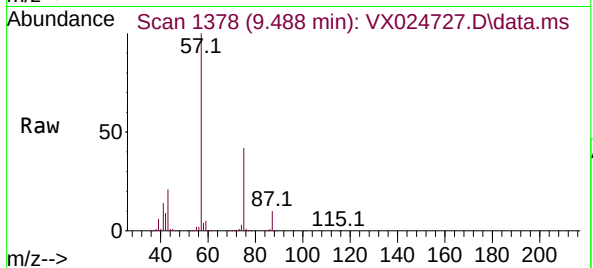


#57

1,3-Dichloropropane
Concen: 5.945 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Instrument :
MSVOA_X
ClientSampled :

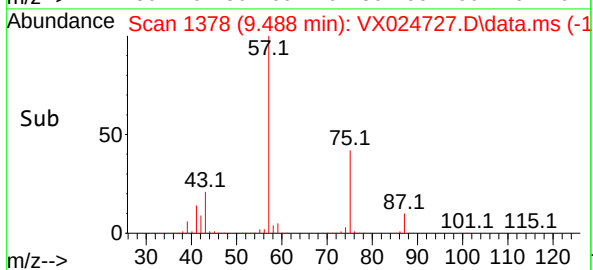
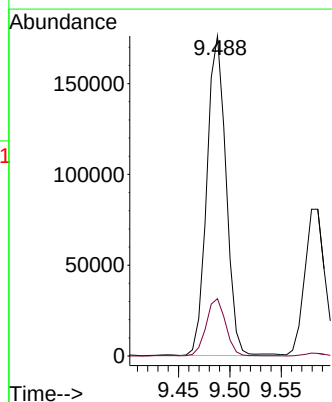
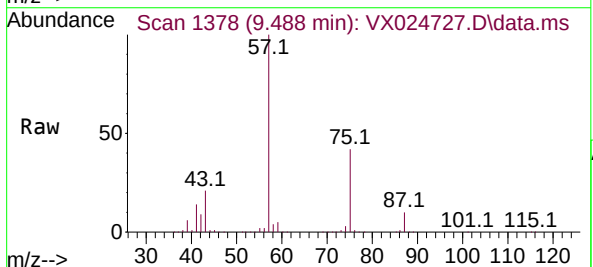
Tgt Ion: 76 Resp: 16054
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

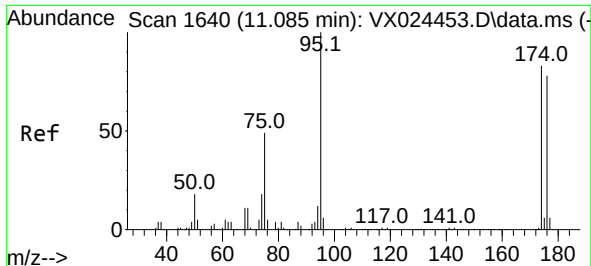


#59

2-Hexanone
Concen: 110.545 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 43 Resp: 228577
Ion Ratio Lower Upper
43 100
58 18.3 30.9 92.8#

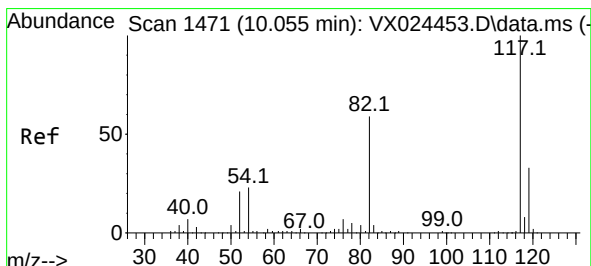
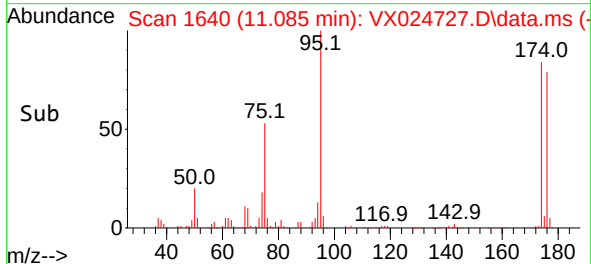
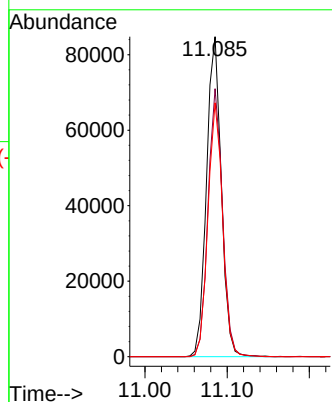
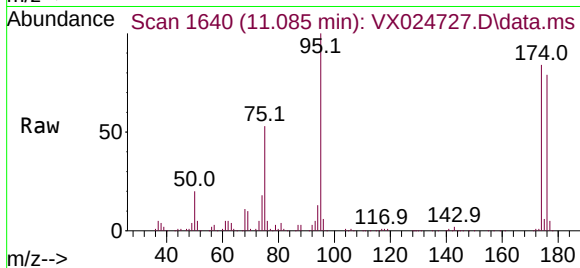




#62
4-Bromofluorobenzene
Concen: 50.471 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

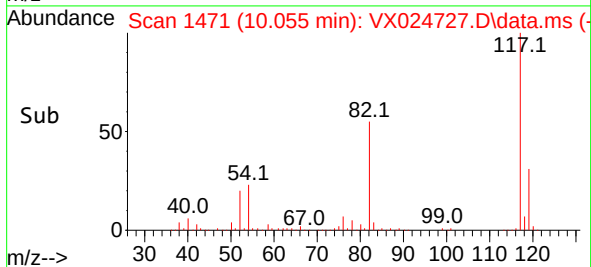
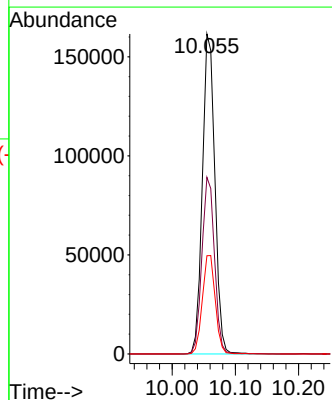
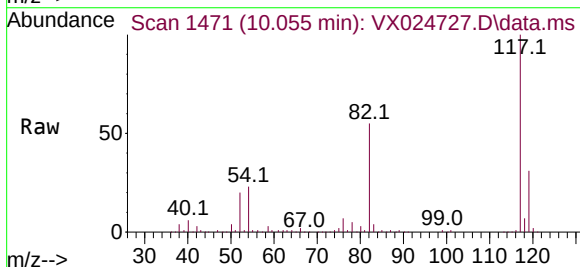
Instrument :
MSVOA_X
ClientSampled :

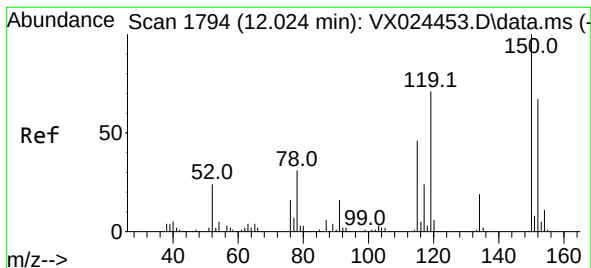
Tgt Ion: 95 Resp: 106052
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 78.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 117 Resp: 222536
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 30.7 26.6 39.8

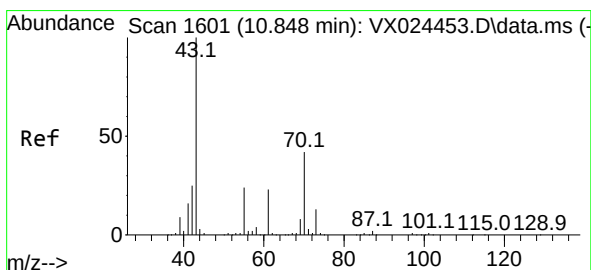
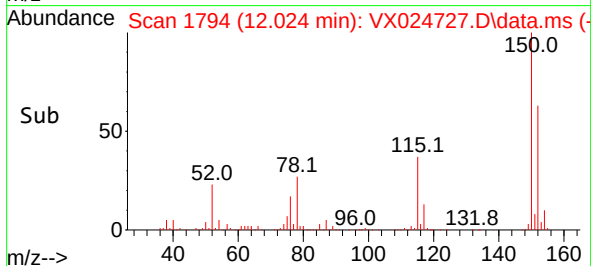
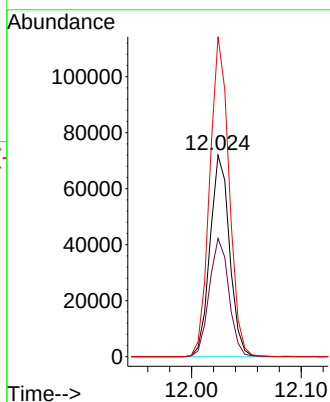
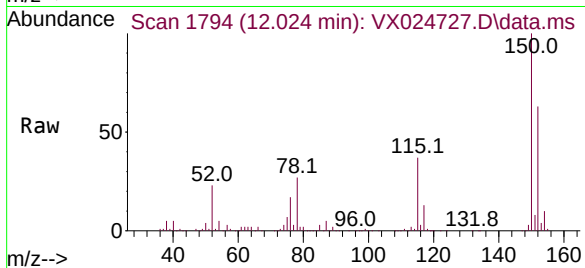




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

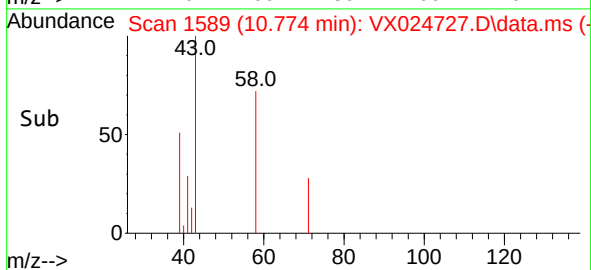
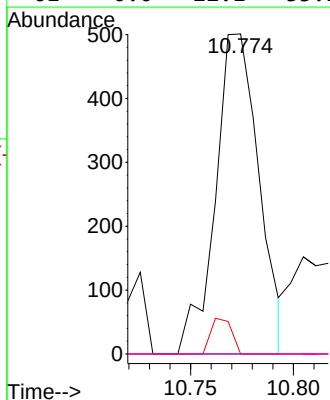
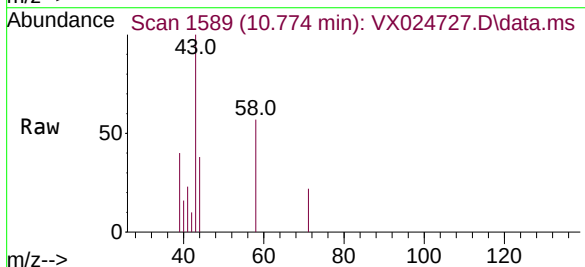
Instrument :
MSVOA_X
ClientSampled :

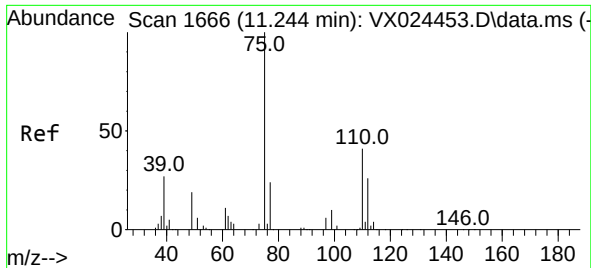
Tgt Ion:152 Resp: 89103
Ion Ratio Lower Upper
152 100
115 58.9 41.1 123.3
150 157.1 0.0 349.0



#74
N-ethyl acetate
Concen: 0.256 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 5.3 21.5 32.3#
61 0.0 22.1 33.1#

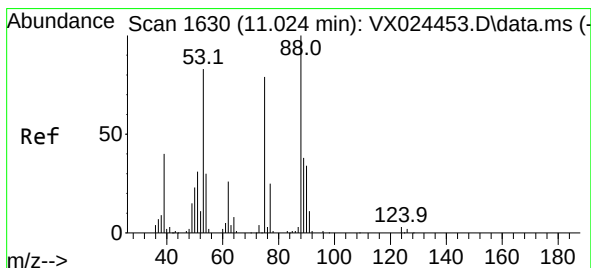
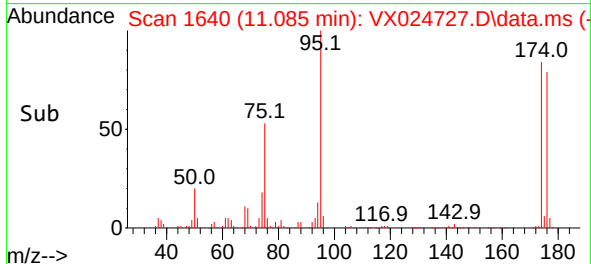
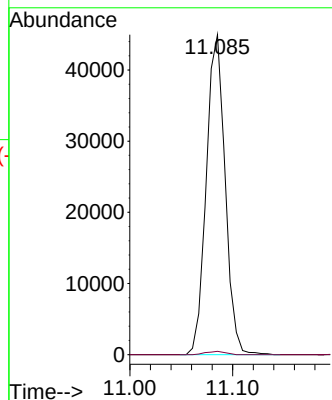
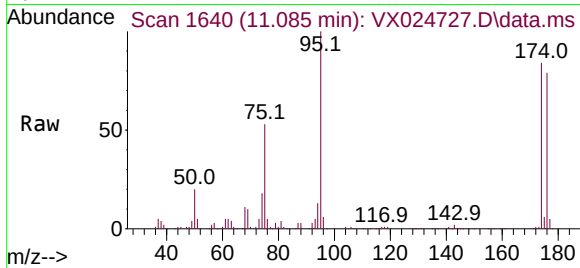




#76
1,2,3-Trichloropropane
Concen: 28.344 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 57354
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.035 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024727.D
Acq: 11 Oct 2021 21:09

Tgt Ion: 75 Resp: 57354
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

