

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023727.D
 Acq On : 14 Aug 2021 06:45
 Operator : JC/MD
 Sample : M3398-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 07:59:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

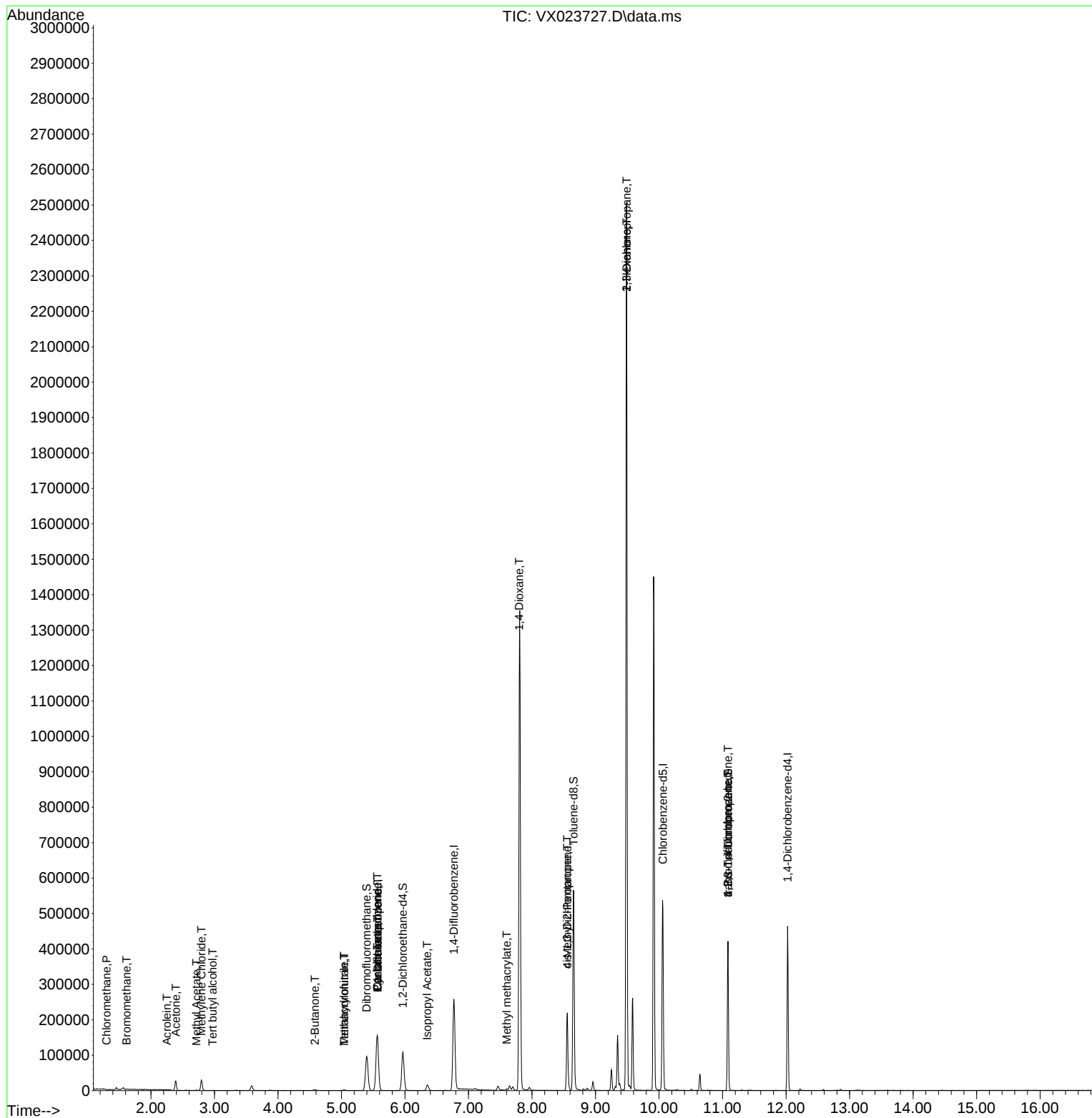
Internal Standards						
1) Pentafluorobenzene	5.568	168	144463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	252395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	241043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104736	58.121	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.240%			
35) Dibromofluoromethane	5.397	113	82113	52.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	8.653	98	319928	55.180	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.360%			
62) 4-Bromofluorobenzene	11.085	95	102322	51.900	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.800%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	325	0.210	ug/l	89
5) Bromomethane	1.617	94	480	0.516	ug/l #	72
11) Tert butyl alcohol	2.971	59	664	1.613	ug/l #	73
13) Acrolein	2.251	56	79	1.739	ug/l #	14
16) Acetone	2.392	43	29076	32.892	ug/l	92
18) Methyl Acetate	2.715	43	1413	0.672	ug/l	96
20) Methylene Chloride	2.794	84	12655	7.360	ug/l	88
25) 2-Butanone	4.580	43	4445	3.239	ug/l	91
29) Tetrahydrofuran	5.044	42	1594	1.772	ug/l #	83
31) Cyclohexane	5.568	56	3493	1.308	ug/l #	15
36) 1,1-Dichloropropene	5.568	75	11400	4.993	ug/l #	45
38) Carbon Tetrachloride	5.562	117	15481	6.667	ug/l #	15
41) Methacrylonitrile	5.044	41	999	0.657	ug/l #	44
43) Isopropyl Acetate	6.348	43	21194	4.751	ug/l #	92
48) Methyl methacrylate	7.604	41	5705	2.761	ug/l #	10
49) 1,4-Dioxane	7.799	88	180	4.092	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77065	28.245	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	31897	11.688	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	20601	7.139	ug/l #	43
59) 2-Hexanone	9.488	43	294526	142.153	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	55167	27.518	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55167	73.992	ug/l #	12

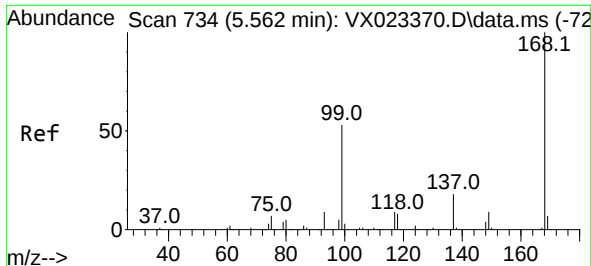
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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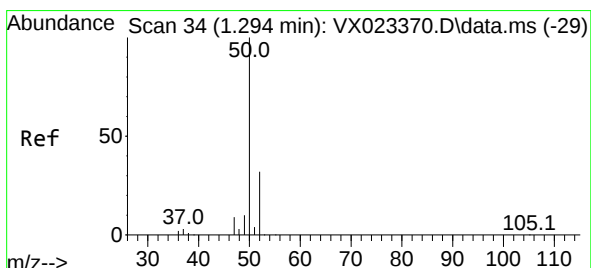
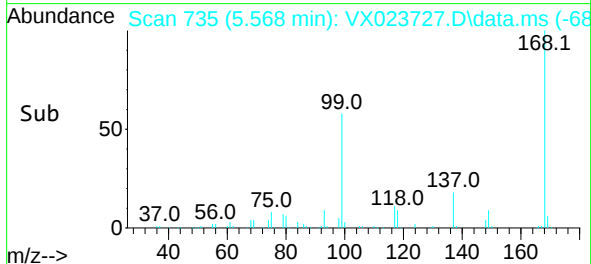
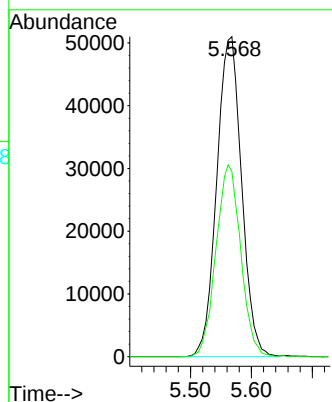
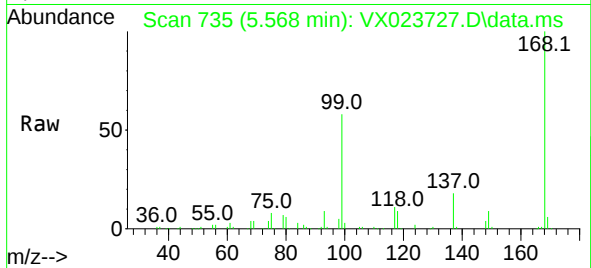




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

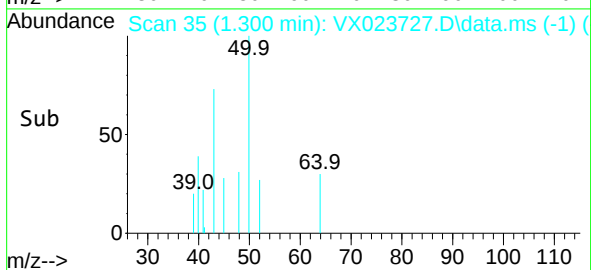
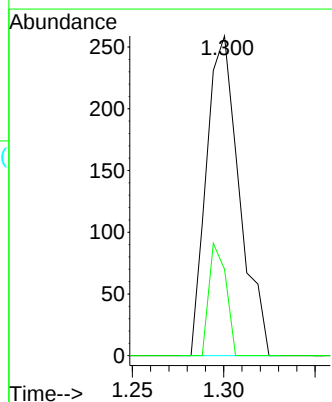
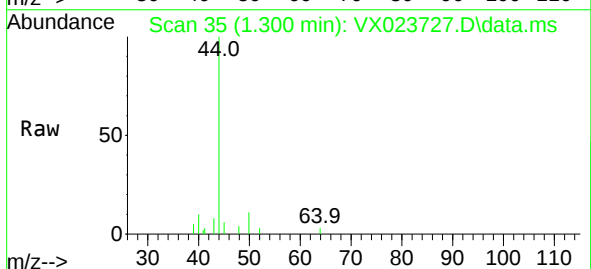
Instrument :
MSVOA_X
ClientSampleId :

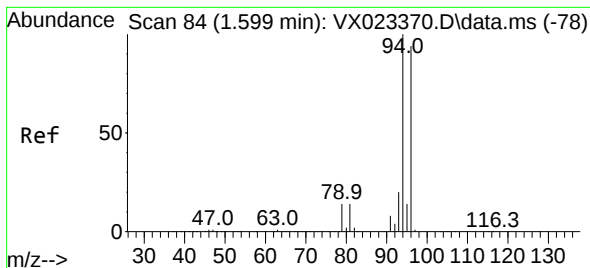
Tgt Ion:168 Resp: 144463
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.6



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion: 50 Resp: 325
Ion Ratio Lower Upper
50 100
52 27.0 26.4 39.6





#5

Bromomethane

Concen: 0.516 ug/l

RT: 1.617 min Scan# 87

Delta R.T. 0.018 min

Lab File: VX023727.D

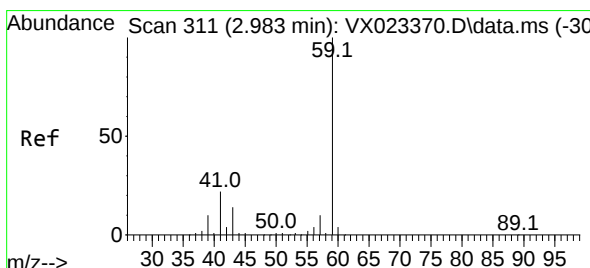
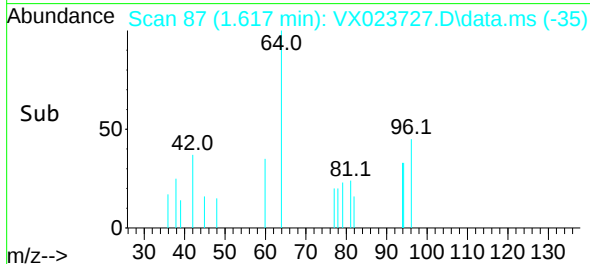
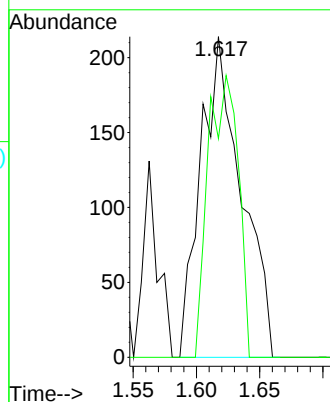
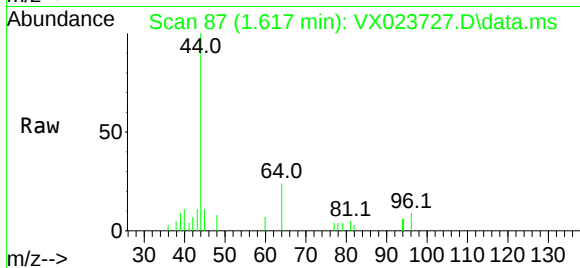
Acq: 14 Aug 2021 06:45

Tgt Ion: 94 Resp: 480

Ion Ratio Lower Upper

94 100

96 68.2 76.4 114.6#



#11

Tert butyl alcohol

Concen: 1.613 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX023727.D

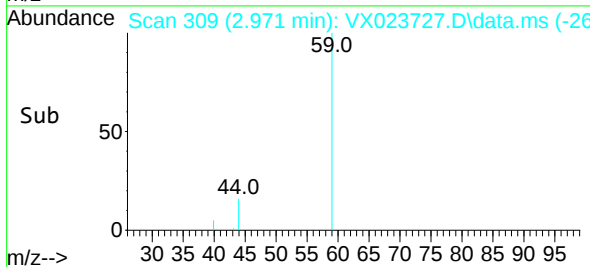
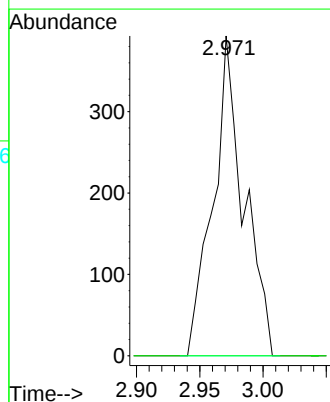
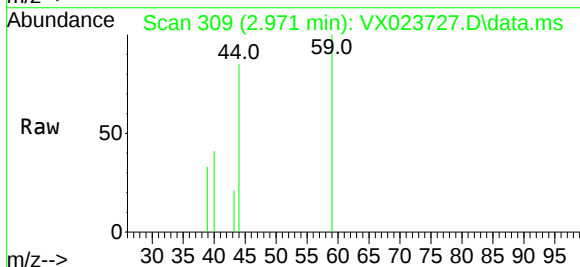
Acq: 14 Aug 2021 06:45

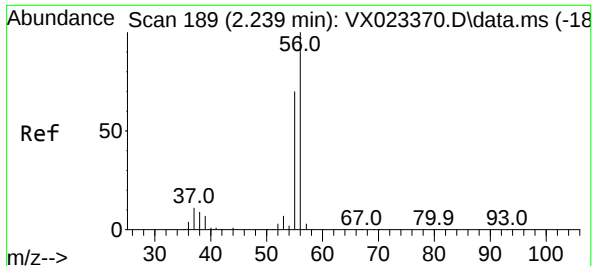
Tgt Ion: 59 Resp: 664

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

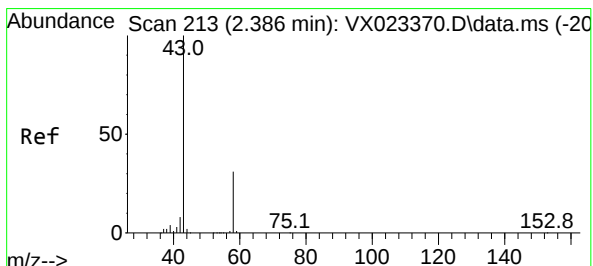
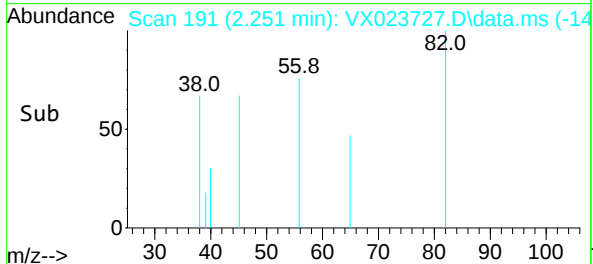
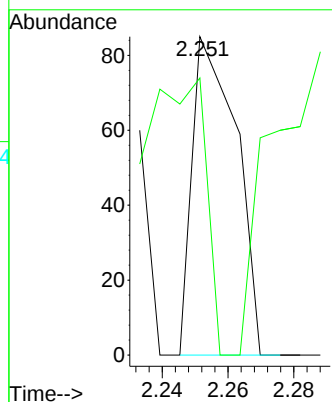
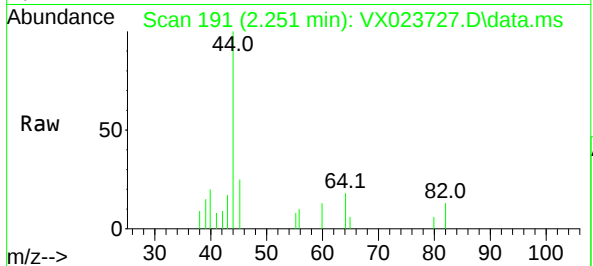




#13
Acrolein
Concen: 1.739 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

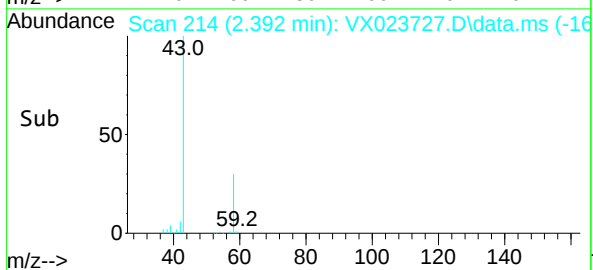
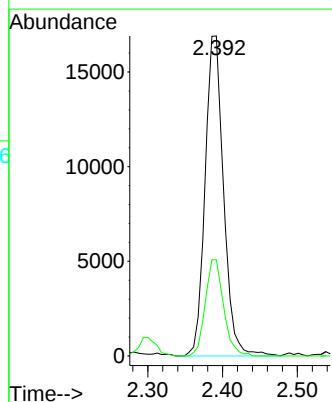
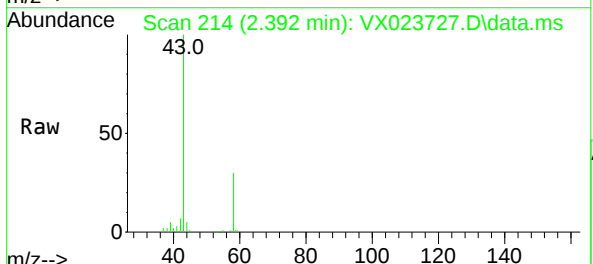
Instrument :
MSVOA_X
ClientSampled :

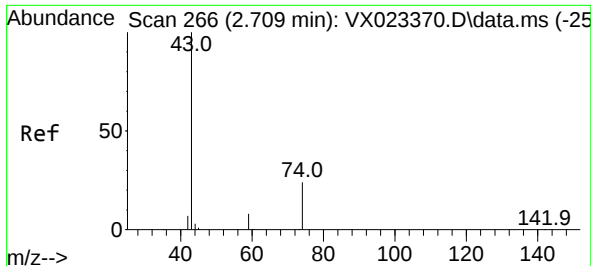
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 32.892 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion: 43 Resp: 29076
Ion Ratio Lower Upper
43 100
58 30.0 27.8 41.8

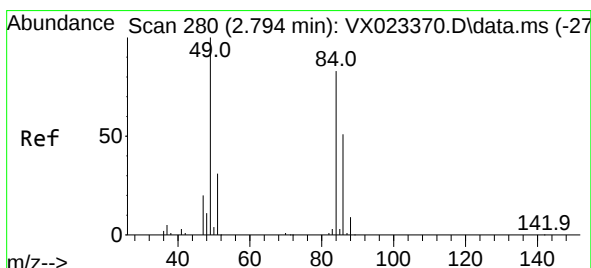
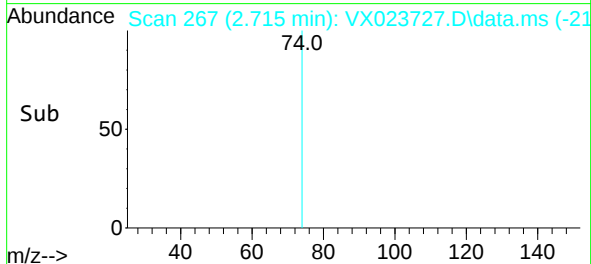
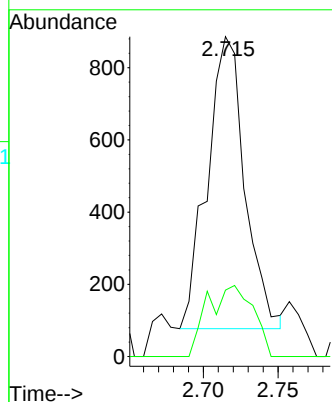
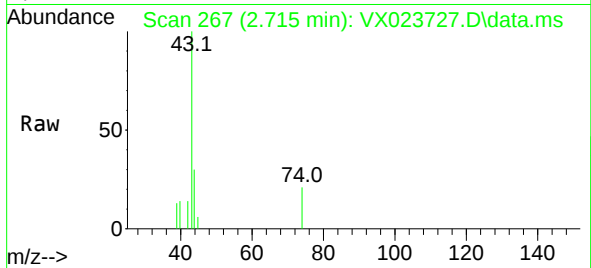




#18
Methyl Acetate
Concen: 0.672 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

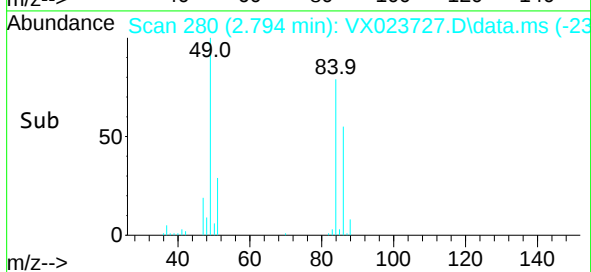
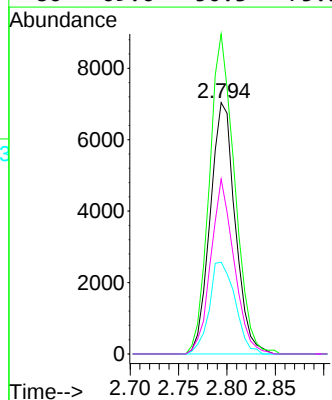
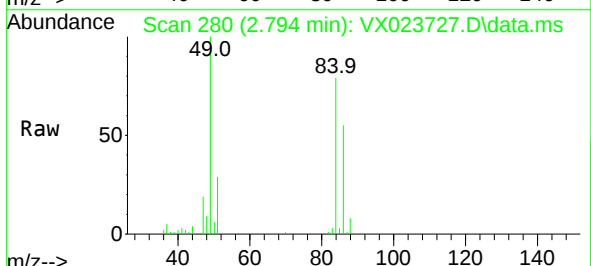
Instrument :
MSVOA_X
ClientSampled :

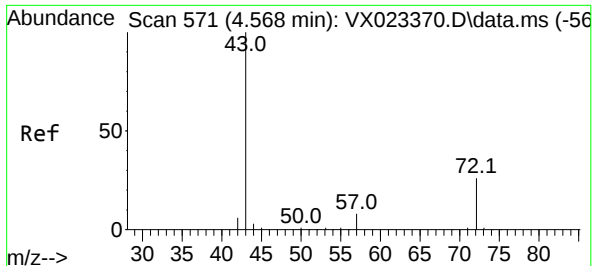
Tgt Ion: 43 Resp: 1413
Ion Ratio Lower Upper
43 100
74 29.6 21.9 32.9



#20
Methylene Chloride
Concen: 7.360 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion: 84 Resp: 12655
Ion Ratio Lower Upper
84 100
49 127.3 88.6 132.8
51 36.5 27.0 40.6
86 69.6 50.3 75.5

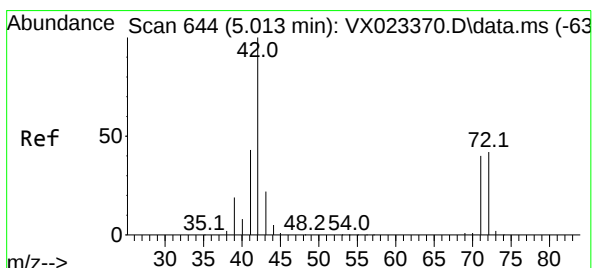
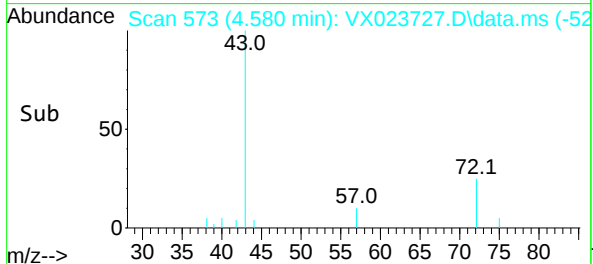
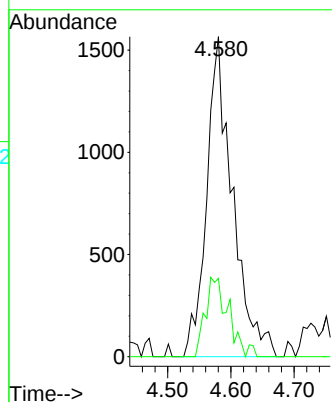
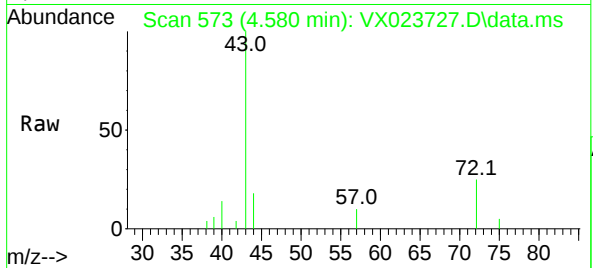




#25
2-Butanone
Concen: 3.239 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

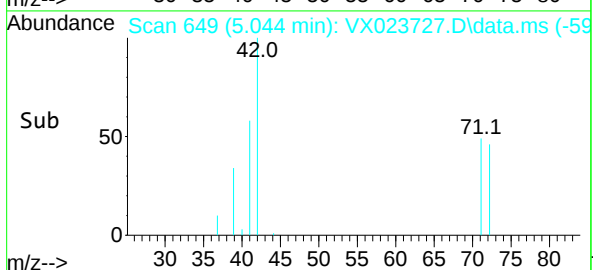
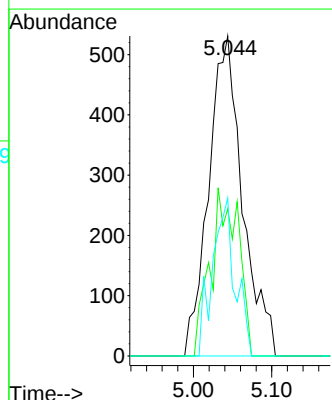
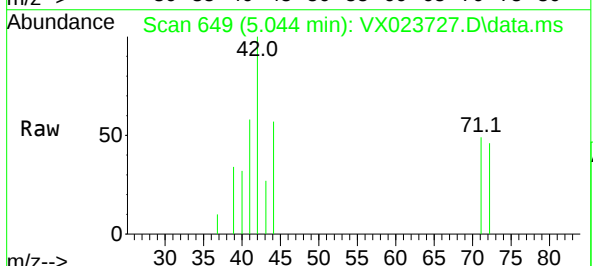
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MSVOA_X
ClientSampled :

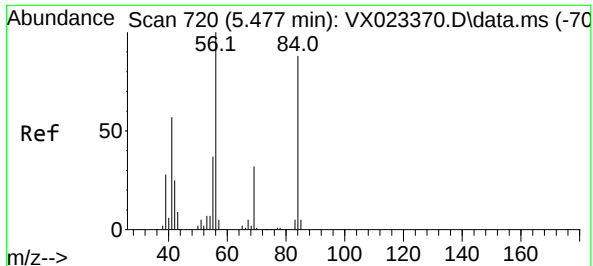
Tgt Ion: 43 Resp: 4445
Ion Ratio Lower Upper
43 100
72 24.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.772 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion: 42 Resp: 1594
Ion Ratio Lower Upper
42 100
72 43.5 41.7 62.5
71 33.0 38.4 57.6#

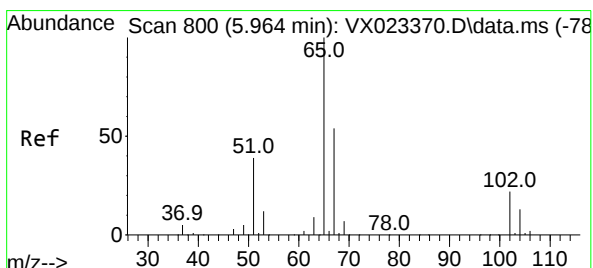
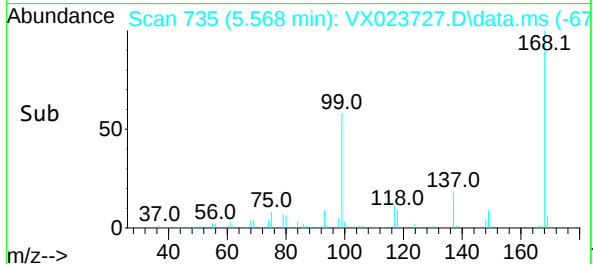
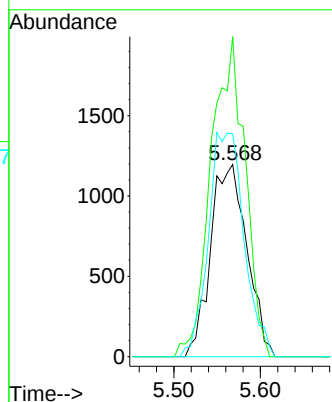
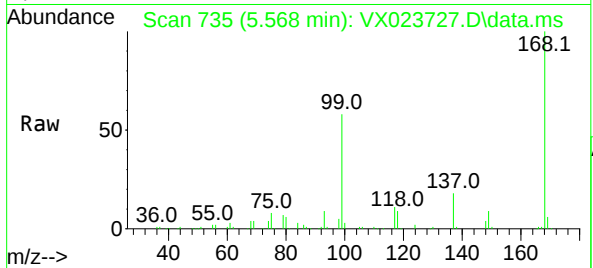




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

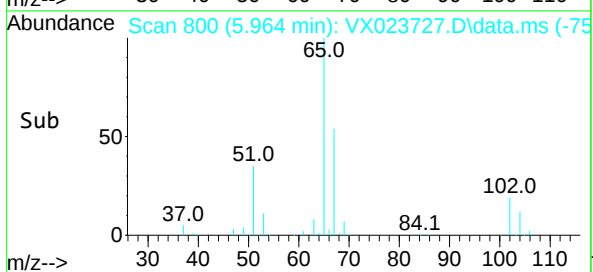
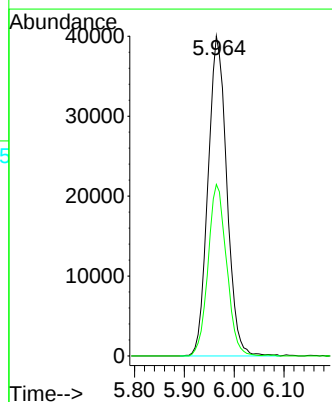
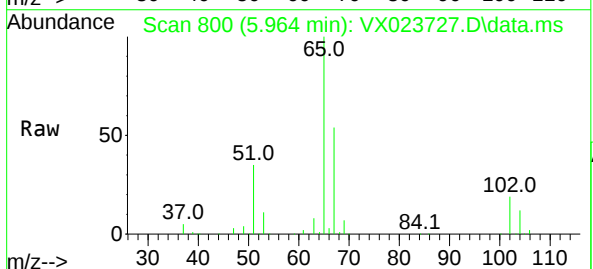
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ClientSampleId :

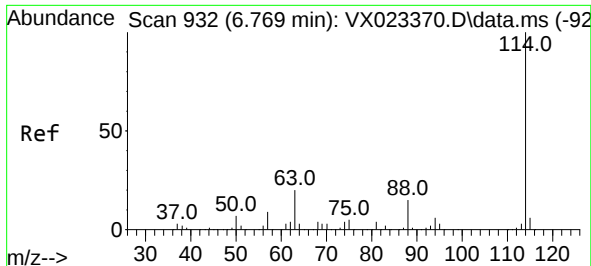
Tgt Ion: 56 Resp: 3493
Ion Ratio Lower Upper
56 100
69 166.6 25.3 37.9#
84 115.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 58.121 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion: 65 Resp: 104736
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

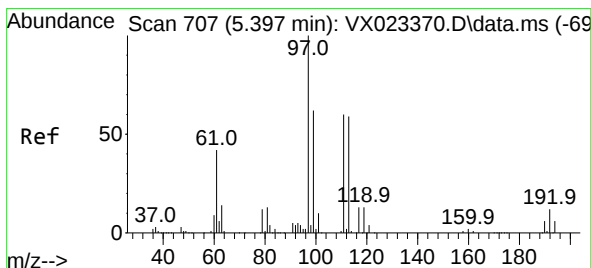
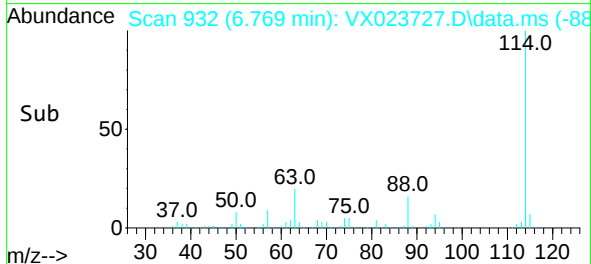
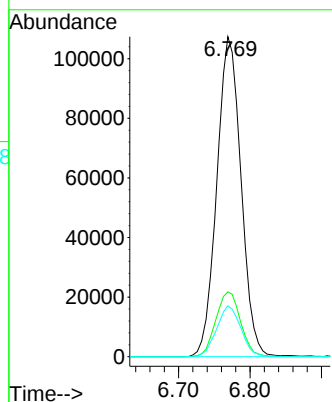
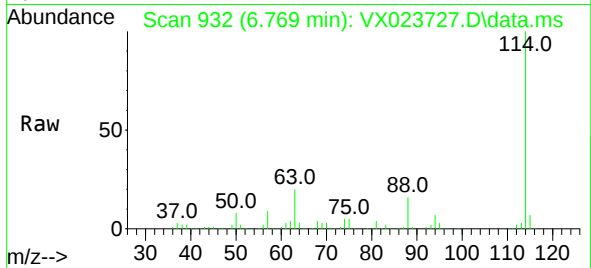




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

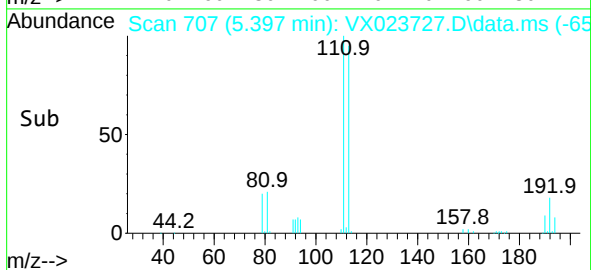
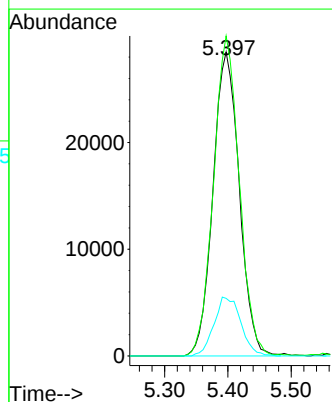
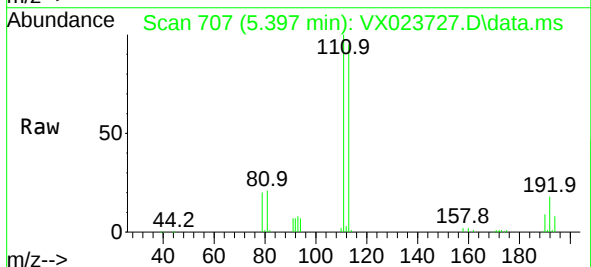
Instrument :
MSVOA_X
ClientSampled :

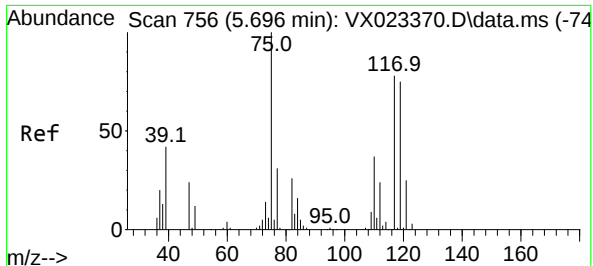
Tgt Ion:114 Resp: 252395
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.033 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion:113 Resp: 82113
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.993 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.128 min

Lab File: VX023727.D

Acq: 14 Aug 2021 06:45

Tgt Ion: 75 Resp: 11400

Ion Ratio Lower Upper

75 100

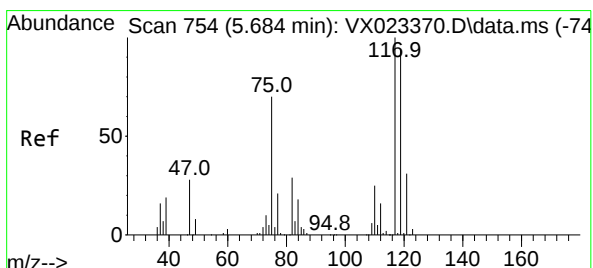
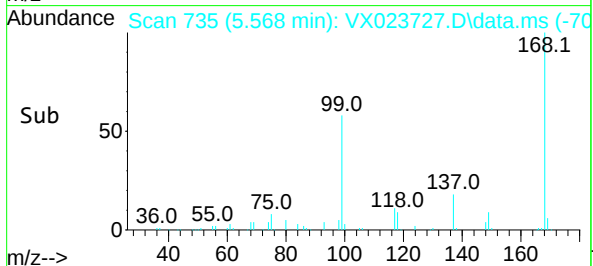
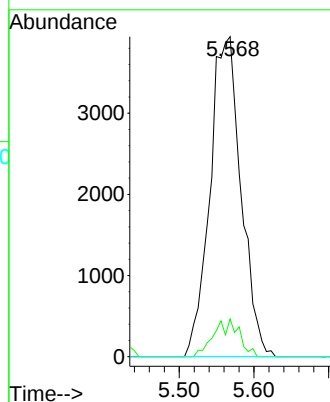
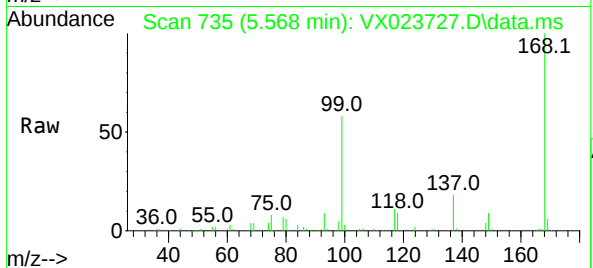
110 5.1 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.667 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023727.D

Acq: 14 Aug 2021 06:45

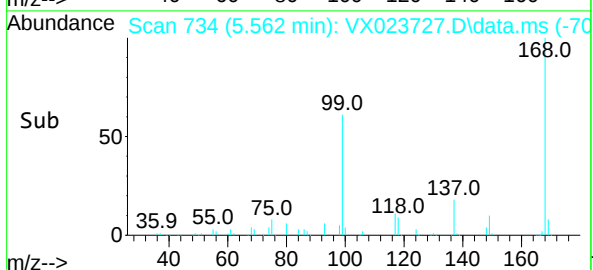
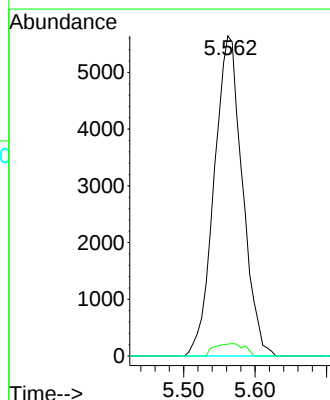
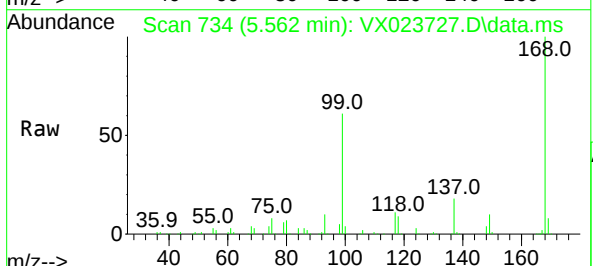
Tgt Ion: 117 Resp: 15481

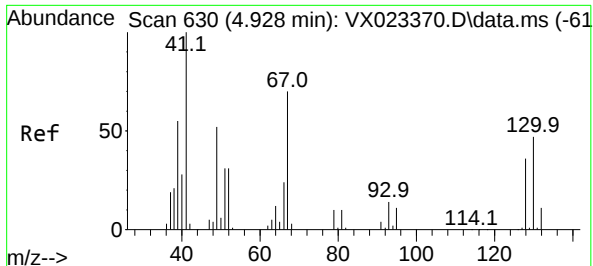
Ion Ratio Lower Upper

117 100

119 3.7 76.2 114.2#

121 0.0 24.8 37.2#

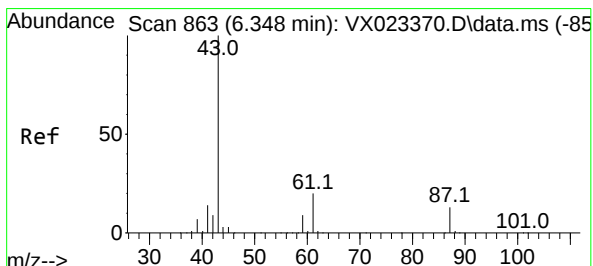
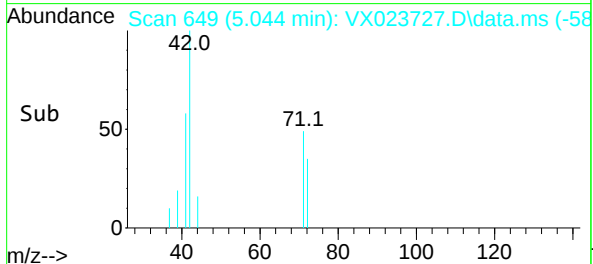
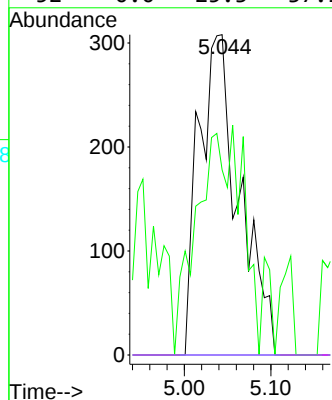
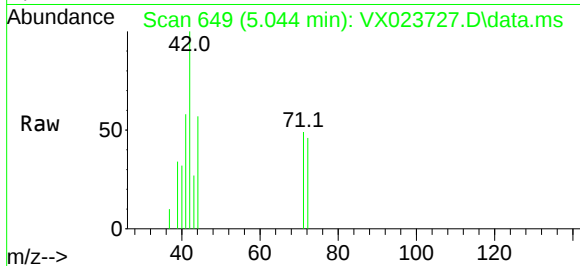




#41
Methacrylonitrile
Concen: 0.657 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

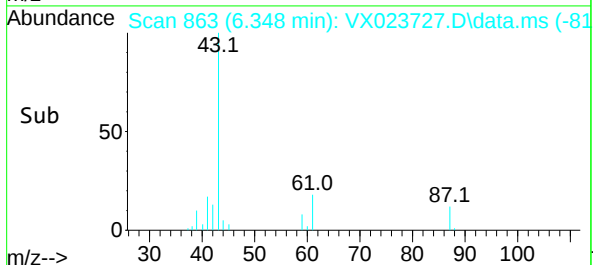
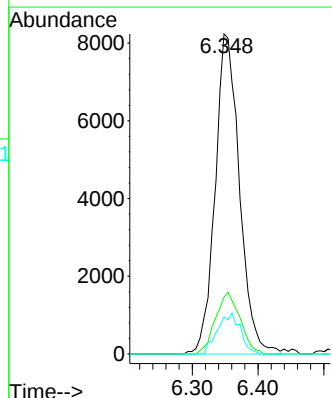
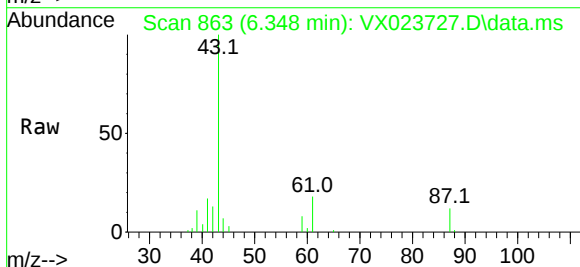
Instrument :
MSVOA_X
ClientSampled :

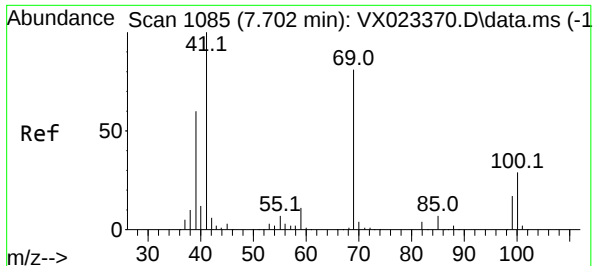
Tgt Ion:	41	Resp:	999
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.751 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion:	43	Resp:	21194
Ion	Ratio	Lower	Upper
43	100		
61	19.4	18.2	27.4
87	12.0	12.5	18.7#

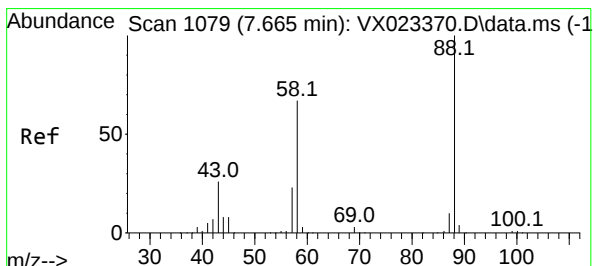
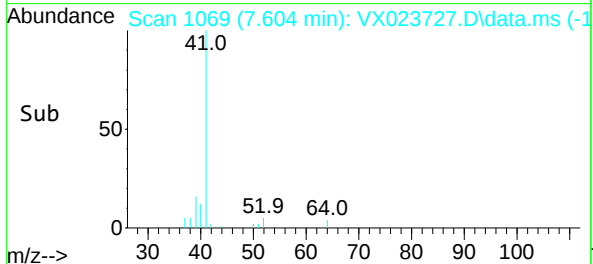
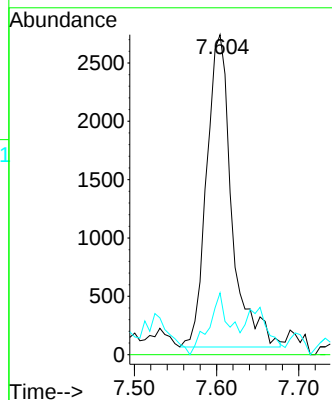
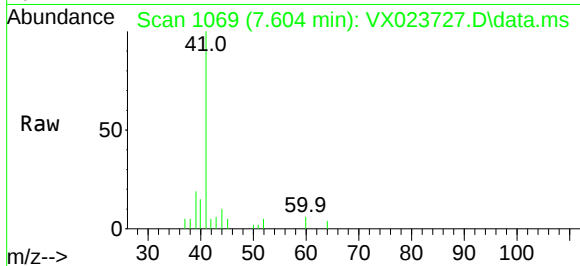




#48
Methyl methacrylate
Concen: 2.761 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

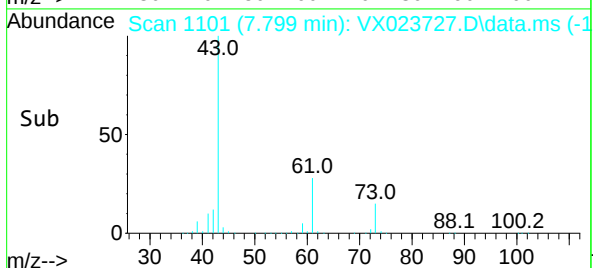
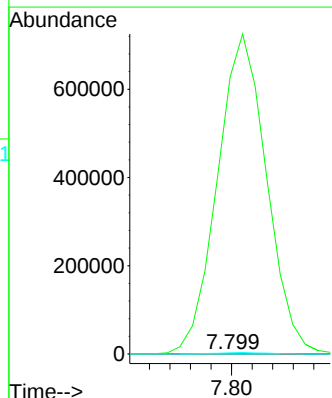
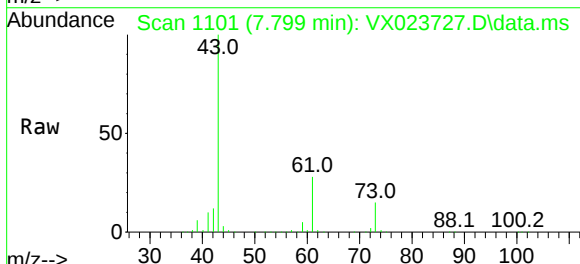
Instrument :
MSVOA_X
ClientSampleId :

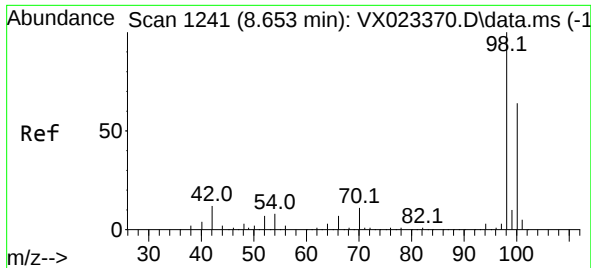
Tgt Ion: 41 Resp: 5705
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.092 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion: 88 Resp: 180
Ion Ratio Lower Upper
88 100
43 671892.8 23.2 34.8#
58 2841.7 55.0 82.4#

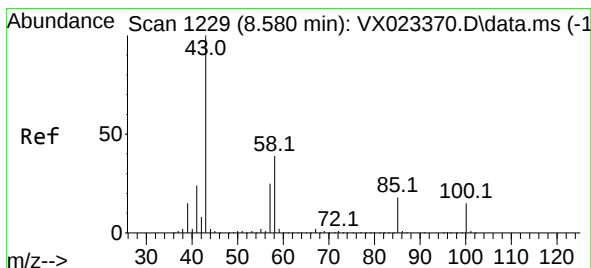
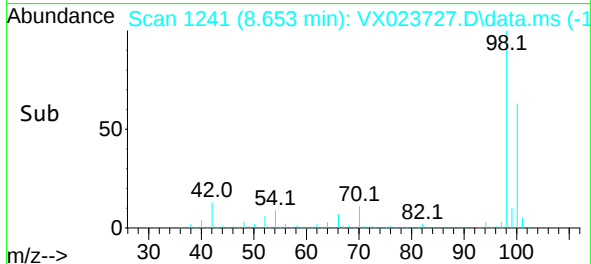
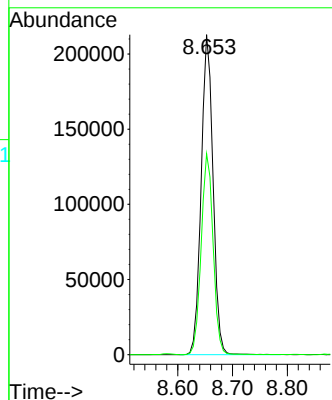
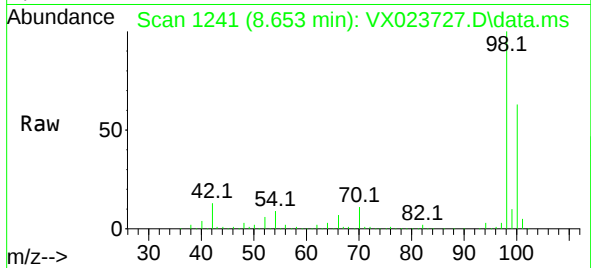




#50
Toluene-d8
Concen: 55.180 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

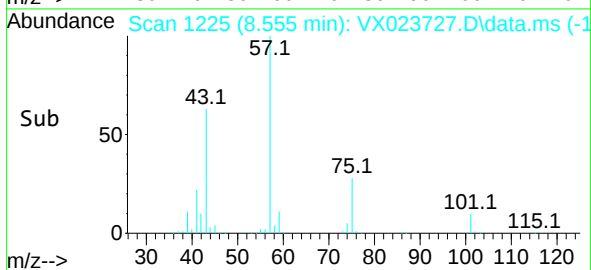
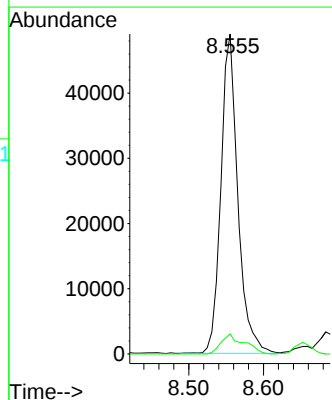
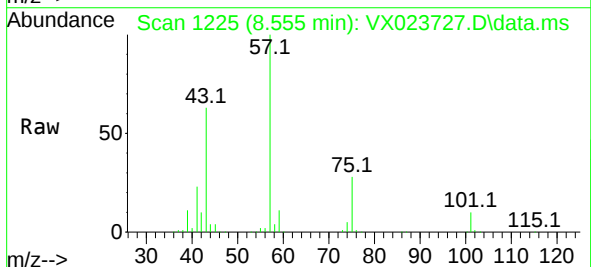
Instrument :
MSVOA_X
ClientSampled :

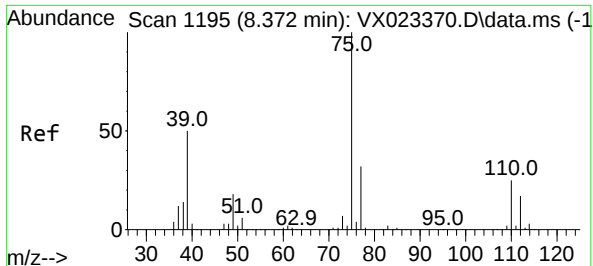
Tgt Ion: 98 Resp: 319928
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.245 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion: 43 Resp: 77065
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#

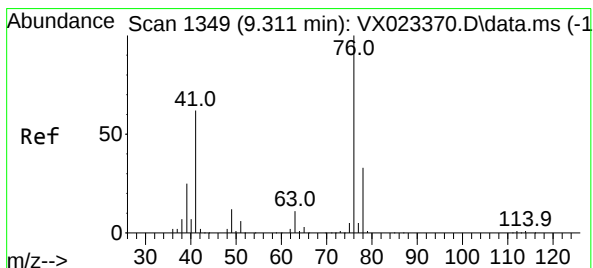
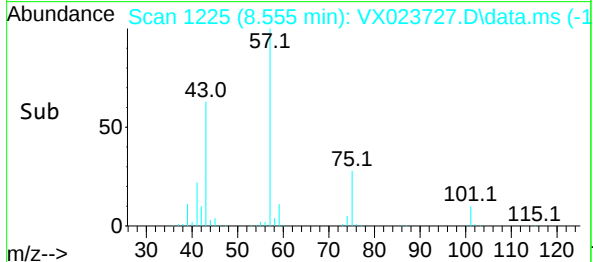
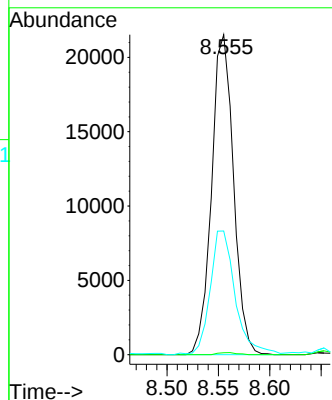
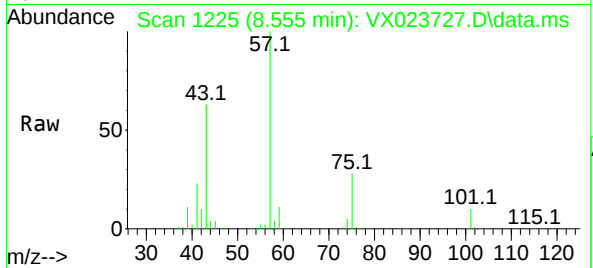




#54
 cis-1,3-Dichloropropene
 Concen: 11.688 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023727.D
 Acq: 14 Aug 2021 06:45

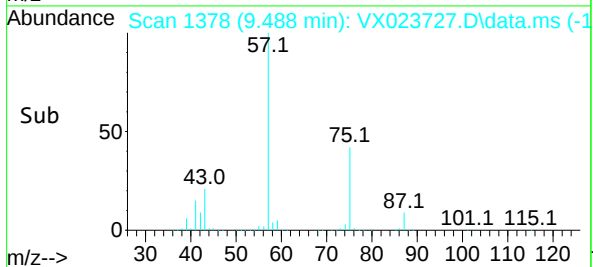
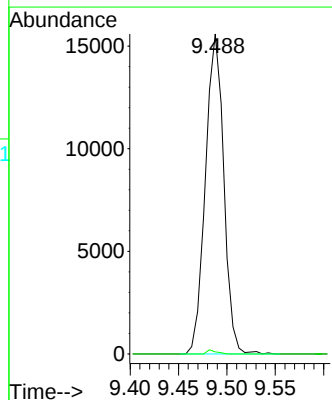
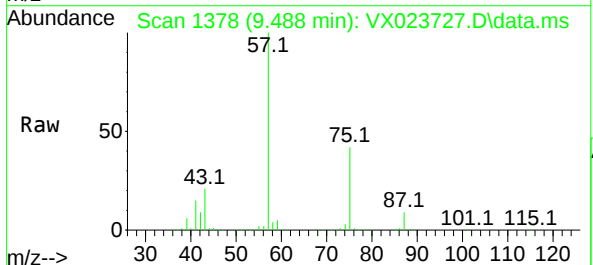
Instrument :
 MSVOA_X
 ClientSampleId :

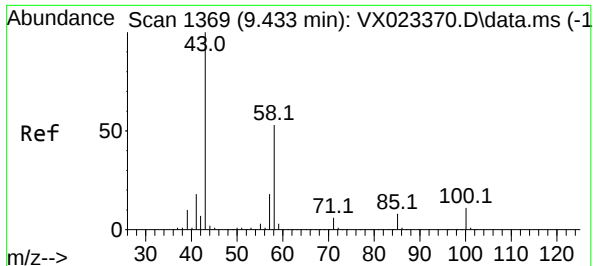
Tgt Ion: 75 Resp: 31897
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 38.2 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 7.139 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023727.D
 Acq: 14 Aug 2021 06:45

Tgt Ion: 76 Resp: 20601
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.2#

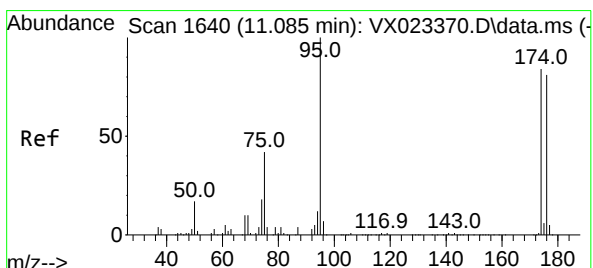
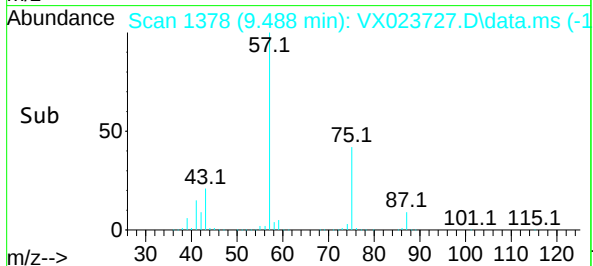
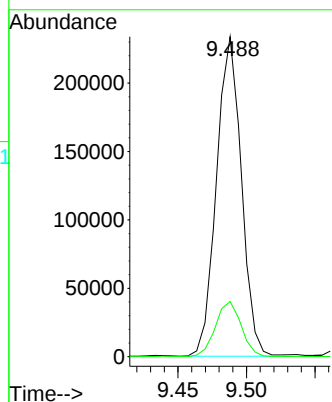
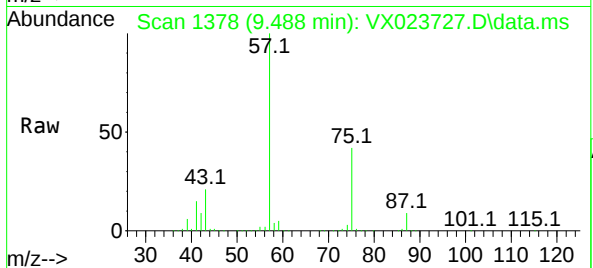




#59
2-Hexanone
Concen: 142.153 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

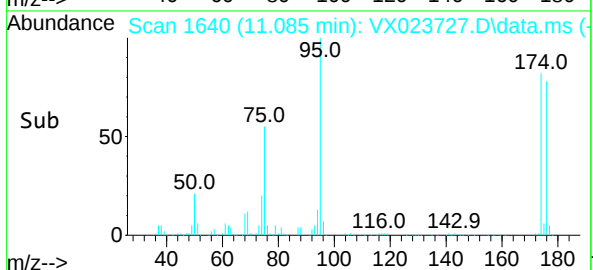
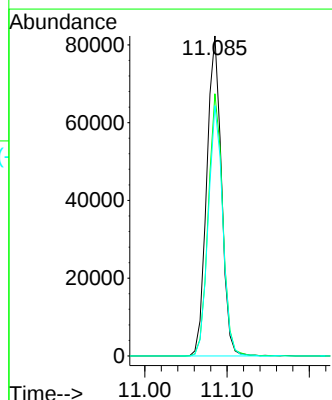
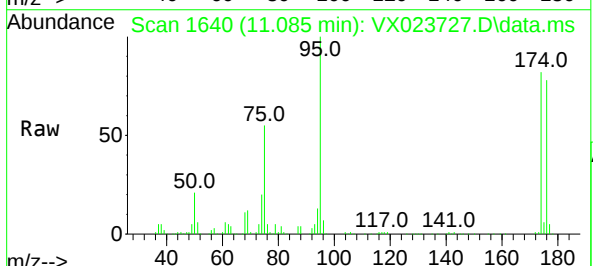
Instrument :
MSVOA_X
ClientSampled :

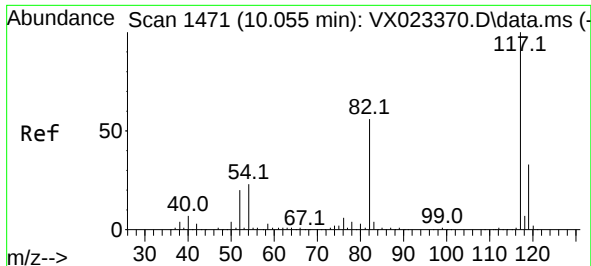
Tgt Ion: 43 Resp: 294526
Ion Ratio Lower Upper
43 100
58 17.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 51.900 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion: 95 Resp: 102322
Ion Ratio Lower Upper
95 100
174 80.7 0.0 154.6
176 76.9 0.0 155.8

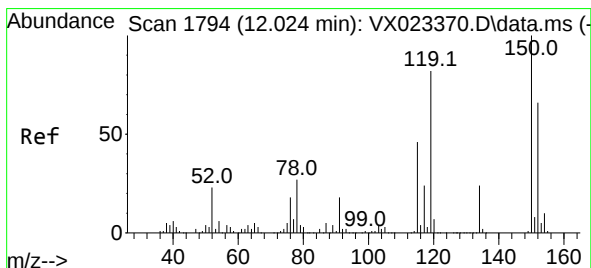
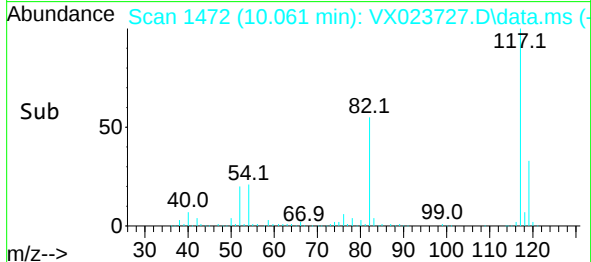
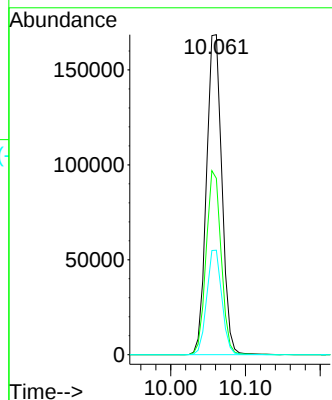
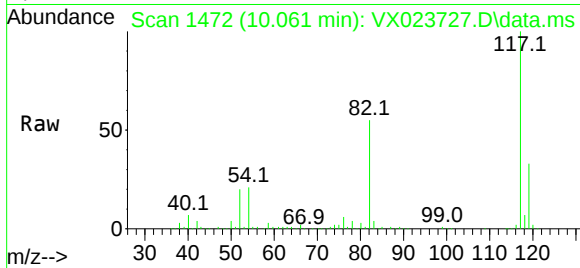




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

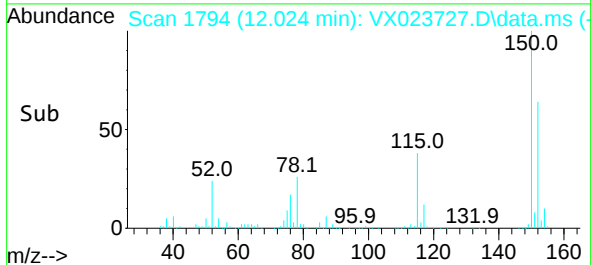
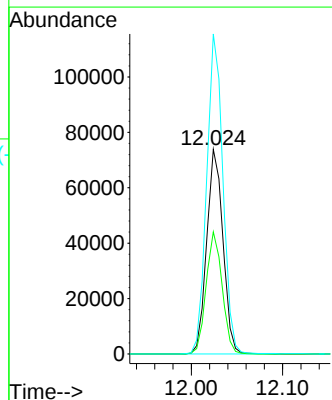
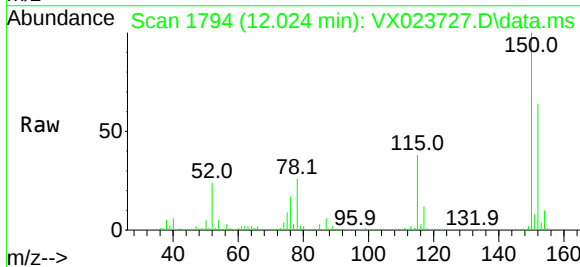
Instrument :
MSVOA_X
ClientSampleId :

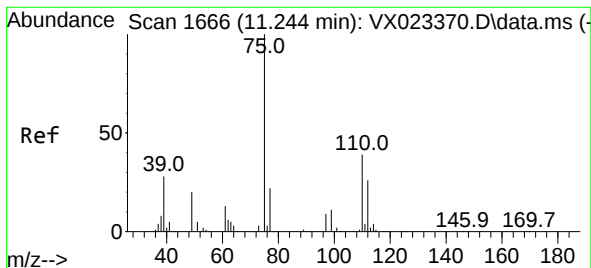
Tgt Ion:117 Resp: 241043
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023727.D
Acq: 14 Aug 2021 06:45

Tgt Ion:152 Resp: 91102
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 155.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 27.518 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX023727.D

Acq: 14 Aug 2021 06:45

Tgt Ion: 75 Resp: 55167

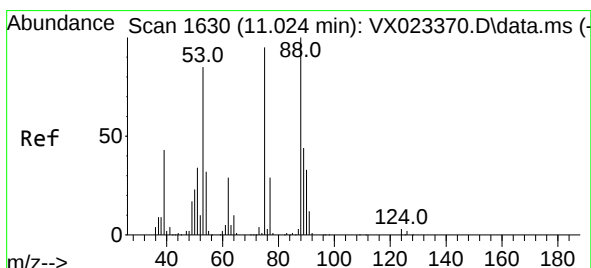
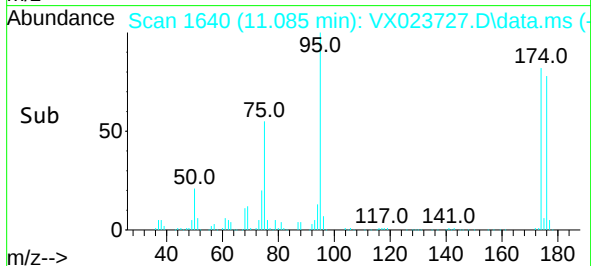
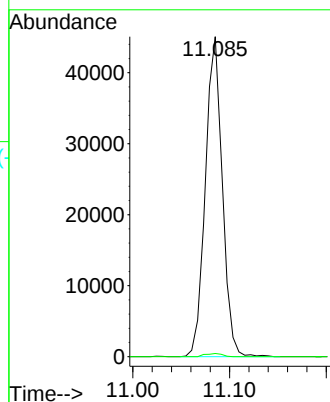
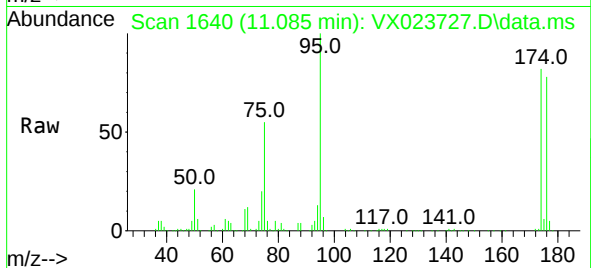
Ion Ratio Lower Upper

75 100
77 1.0 19.1 57.5#

Instrument :

MSVOA_X

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 73.992 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX023727.D

Acq: 14 Aug 2021 06:45

Tgt Ion: 75 Resp: 55167

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

