

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024725.D
 Acq On : 11 Oct 2021 20:22
 Operator : JC/MD
 Sample : M4159-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

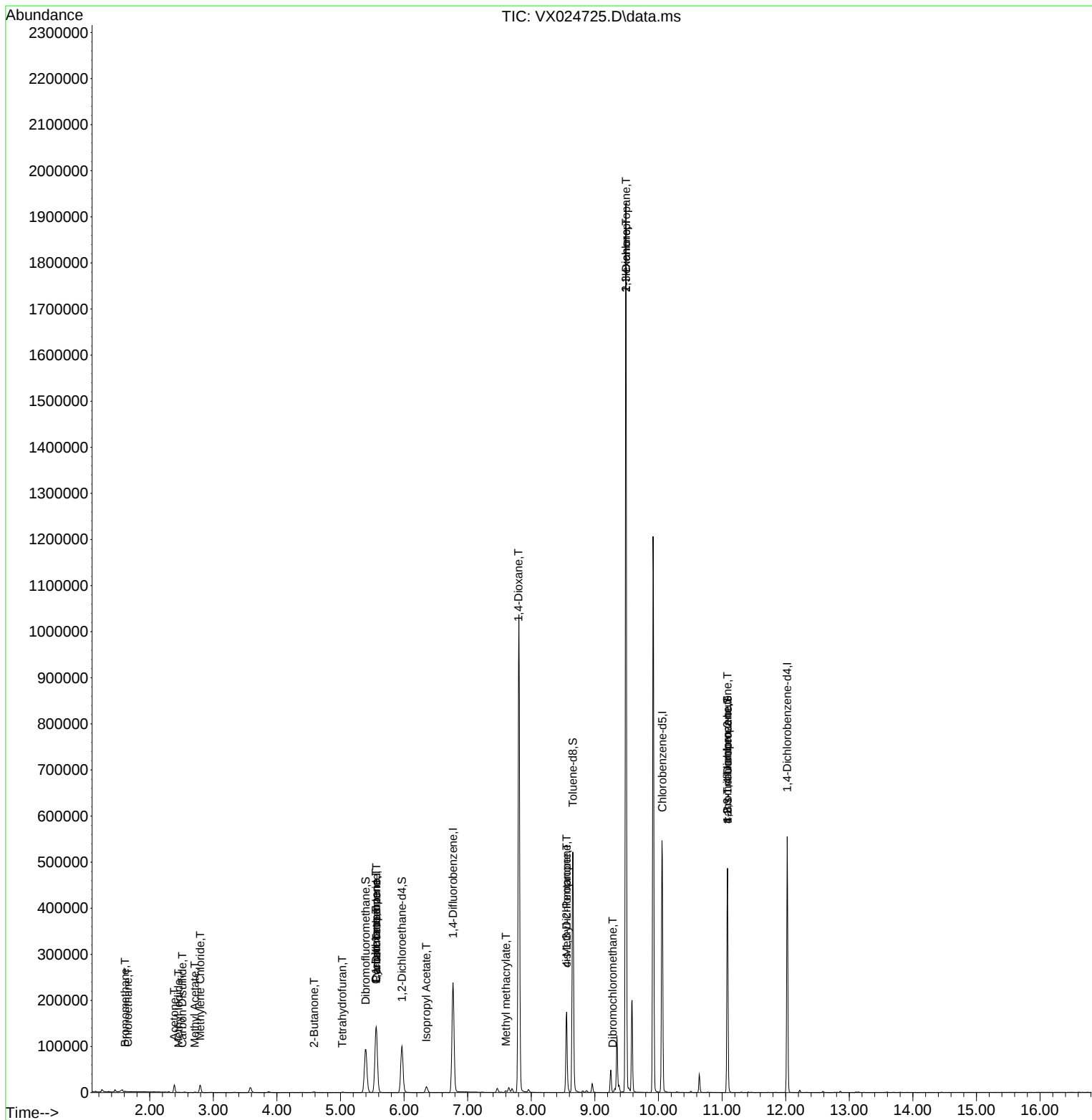
Quant Time: Oct 12 06:54:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

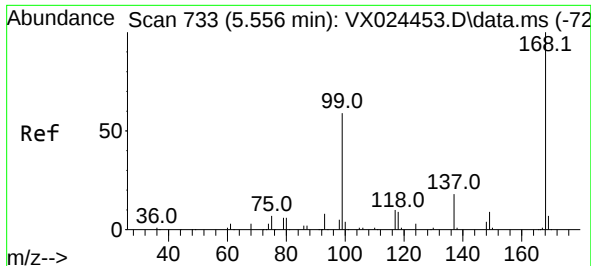
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	134034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	242802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101776	53.877	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.760%		
35) Dibromofluoromethane	5.397	113	79436	51.002	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.000%		
50) Toluene-d8	8.653	98	296785	51.773	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.540%		
62) 4-Bromofluorobenzene	11.085	95	120523	53.473	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 106.940%		
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	378	0.422	ug/l	88
6) Chloroethane	1.654	64	71	0.338	ug/l #	56
10) Methyl Iodide	2.453	142	552	0.298	ug/l #	96
11) Tert butyl alcohol	2.965	59	550	Below Cal	#	73
16) Acetone	2.386	43	17243	11.978	ug/l	92
17) Carbon Disulfide	2.514	76	473	0.376	ug/l #	75
18) Methyl Acetate	2.709	43	987	0.349	ug/l	95
20) Methylene Chloride	2.794	84	6954	3.864	ug/l	87
25) 2-Butanone	4.587	43	2687	2.065	ug/l #	83
29) Tetrahydrofuran	5.025	42	291	0.351	ug/l #	63
31) Cyclohexane	5.556	56	2907	1.285	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	10357	4.608	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13953	5.703	ug/l #	16
43) Isopropyl Acetate	6.348	43	16681	3.910	ug/l #	91
48) Methyl methacrylate	7.604	41	4945	2.341	ug/l #	10
49) 1,4-Dioxane	7.799	88	132	2.728	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	61136	21.707	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	25932	9.875	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	15564	5.374	ug/l #	42
59) 2-Hexanone	9.488	43	227078	102.382	ug/l #	44
60) Dibromochloromethane	9.281	129	53	1.214	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	63866	26.022	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	63866	70.882	ug/l #	12

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

Quant Time: Oct 12 06:54:25 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

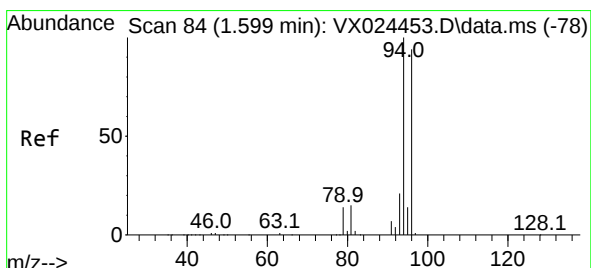
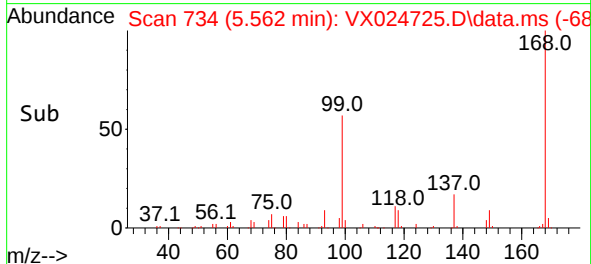
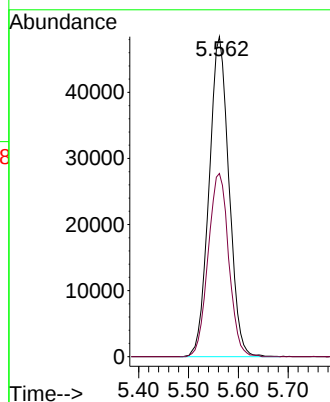
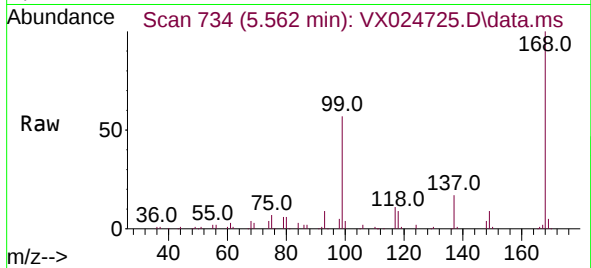




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

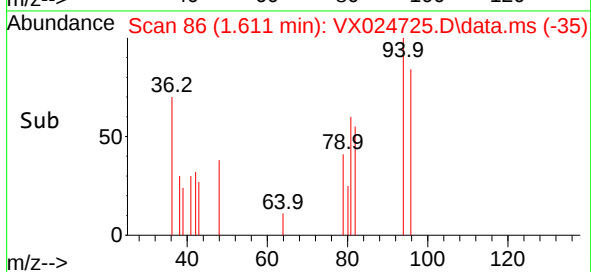
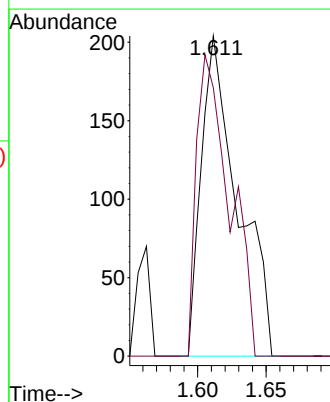
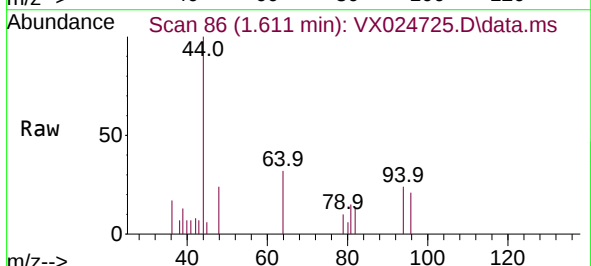
Instrument :
MSVOA_X
ClientSampleId :

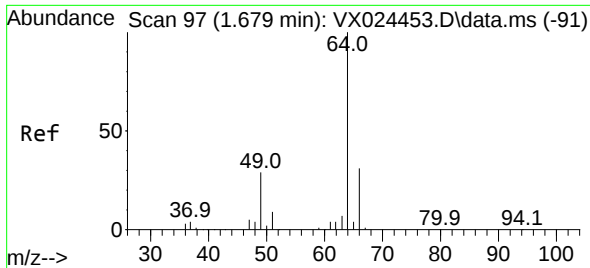
Tgt Ion:168 Resp: 134034
Ion Ratio Lower Upper
168 100
99 57.2 45.8 68.6



#5
Bromomethane
Concen: 0.422 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 83.8 76.4 114.6

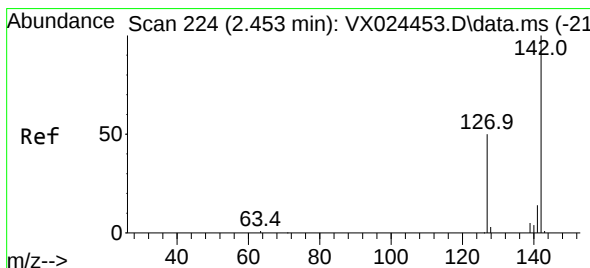
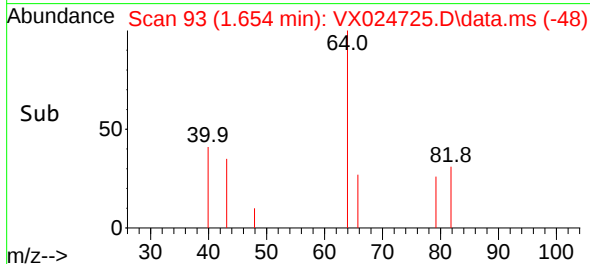
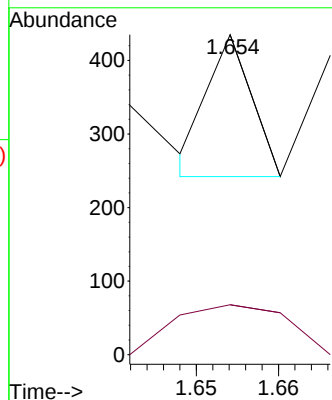
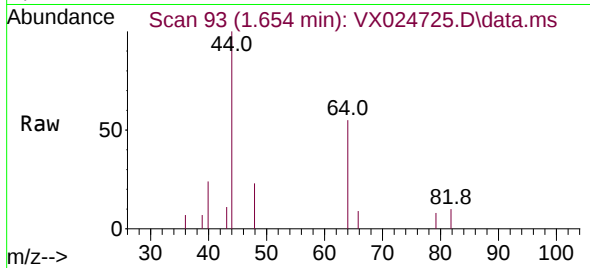




#6
Chloroethane
Concen: 0.338 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

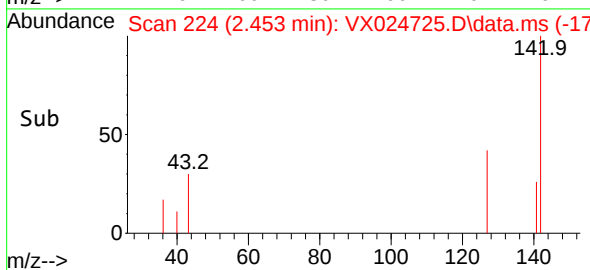
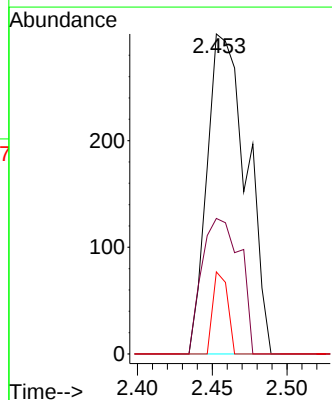
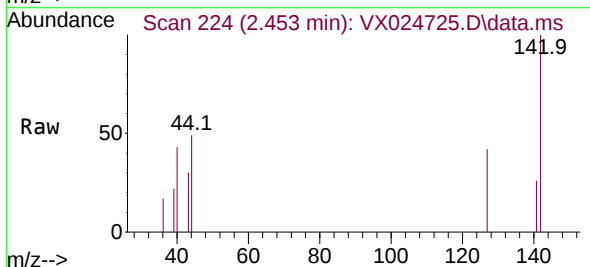
Instrument :
MSVOA_X
ClientSampleId :

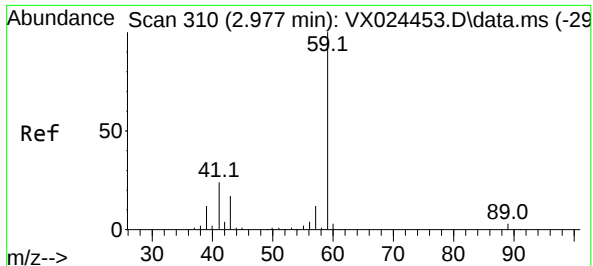
Tgt Ion: 64 Resp: 71
Ion Ratio Lower Upper
64 100
66 7.3 25.4 38.0#



#10
Methyl Iodide
Concen: 0.298 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

Tgt Ion: 142 Resp: 552
Ion Ratio Lower Upper
142 100
127 40.9 33.3 49.9
141 9.6 11.4 17.0#

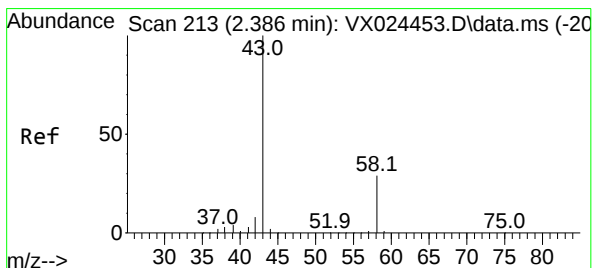
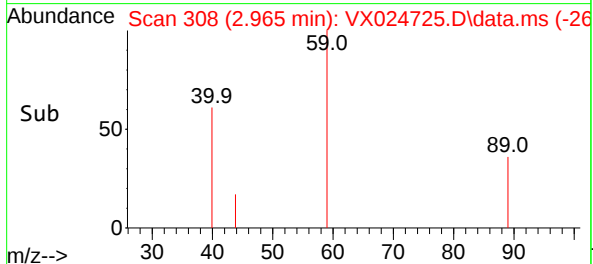
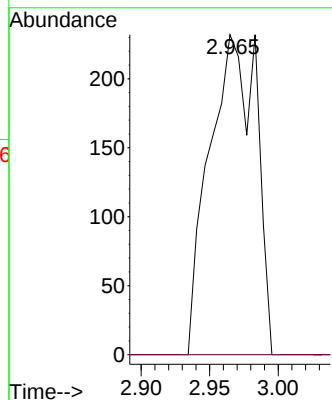
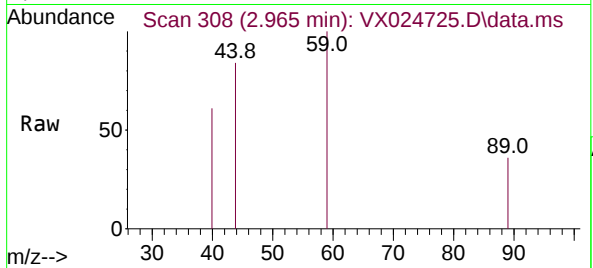




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

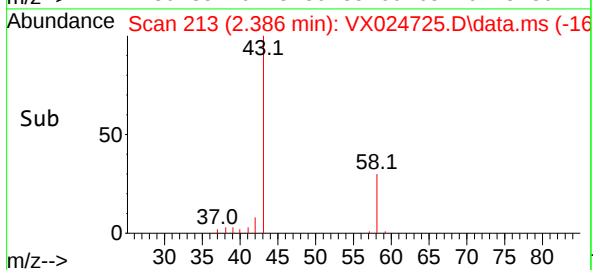
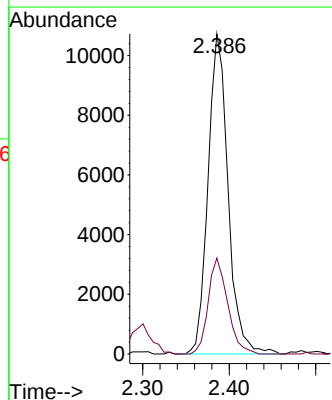
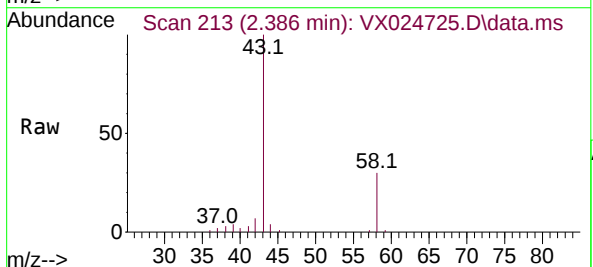
Instrument :
MSVOA_X
ClientSampled :

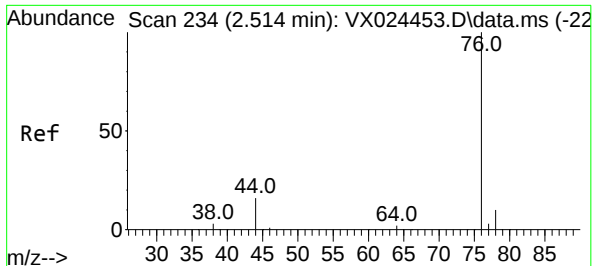
Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 11.978 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

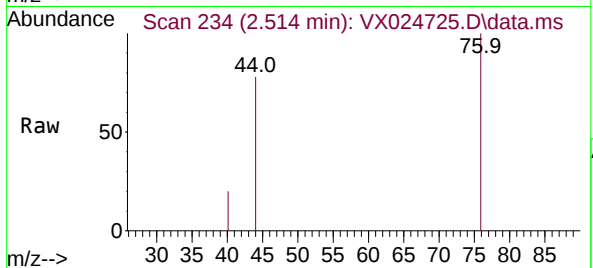
Tgt Ion: 43 Resp: 17243
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8



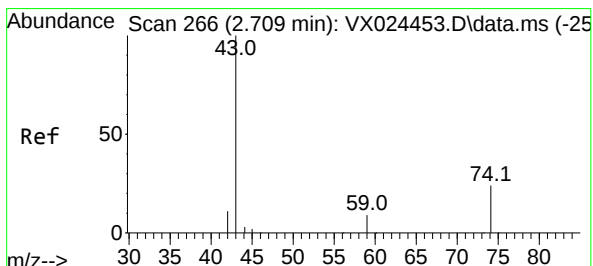
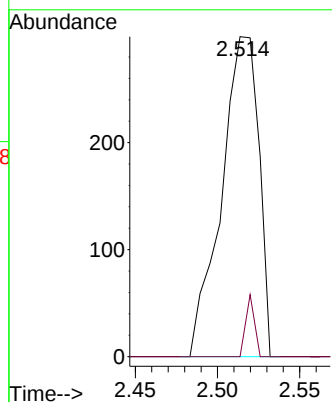
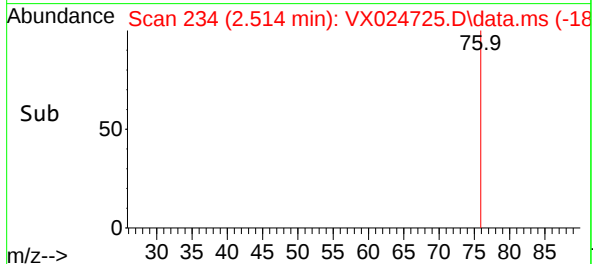


#17
Carbon Disulfide
Concen: 0.376 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

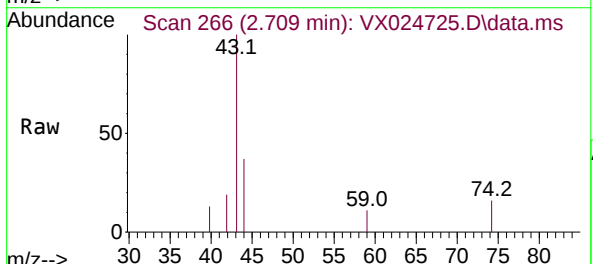
Instrument :
MSVOA_X
ClientSampled :



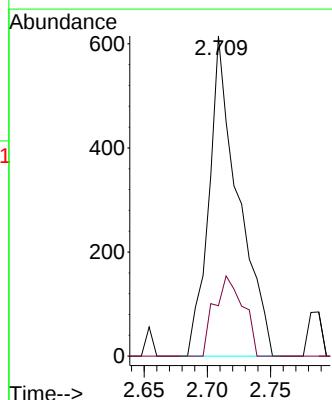
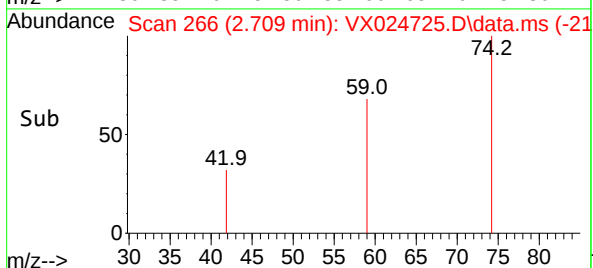
Tgt Ion: 76 Resp: 473
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

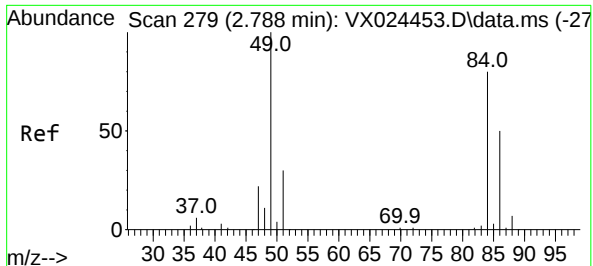


#18
Methyl Acetate
Concen: 0.349 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22



Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
74 24.7 21.9 32.9





#20

Methylene Chloride

Concen: 3.864 ug/l

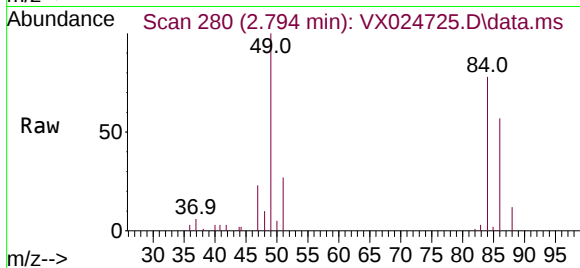
RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024725.D

Acq: 11 Oct 2021 20:22

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 6954

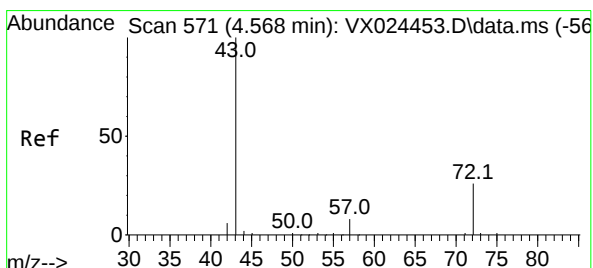
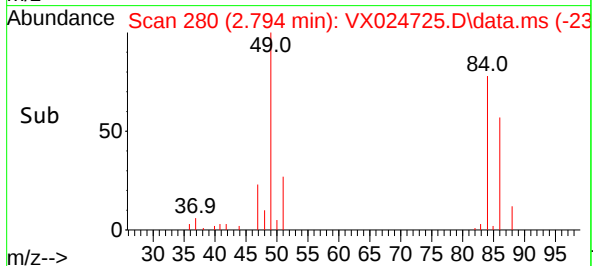
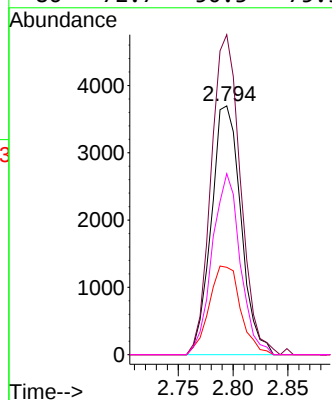
Ion Ratio Lower Upper

84 100

49 128.6 88.6 132.8

51 35.1 27.0 40.6

86 72.7 50.3 75.5



#25

2-Butanone

Concen: 2.065 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX024725.D

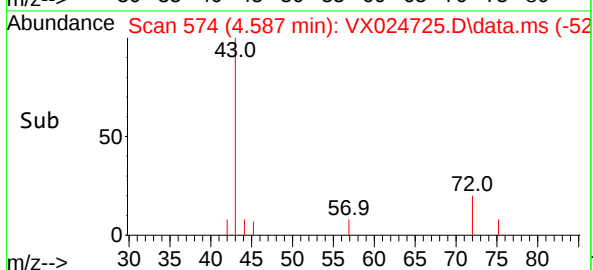
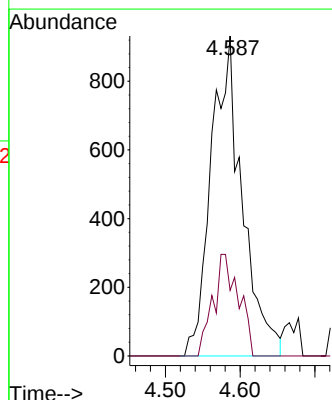
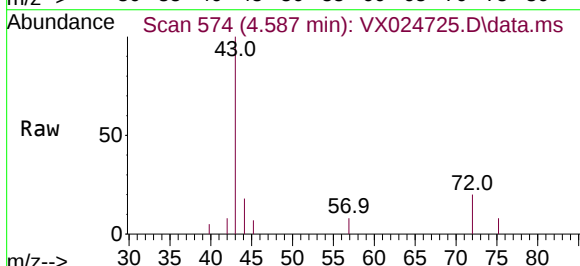
Acq: 11 Oct 2021 20:22

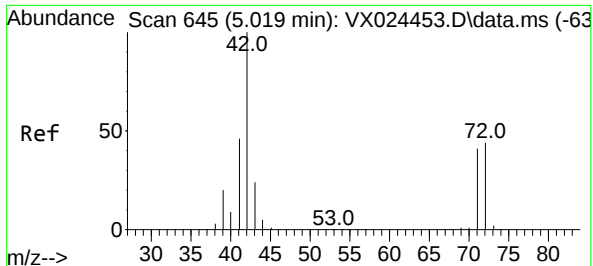
Tgt Ion: 43 Resp: 2687

Ion Ratio Lower Upper

43 100

72 20.5 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 5.025 min Scan# 646

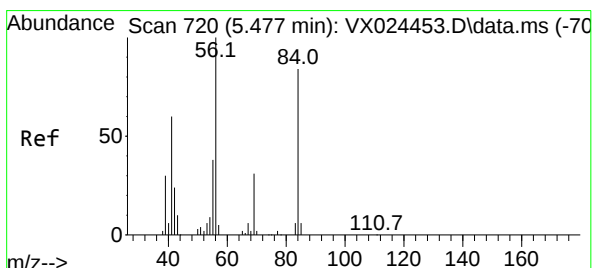
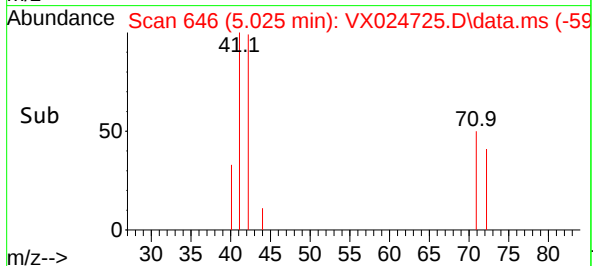
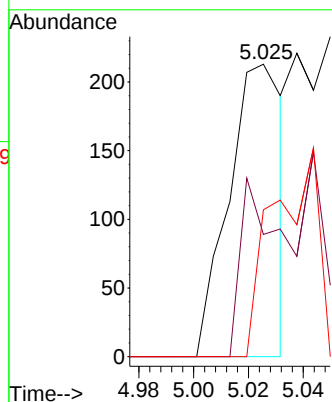
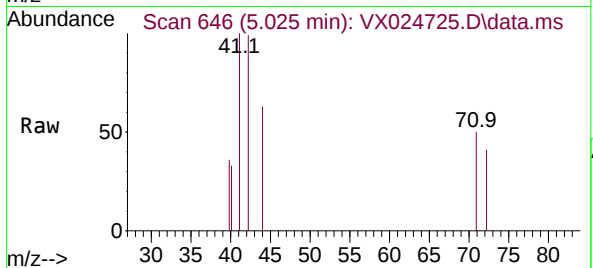
Delta R.T. 0.006 min

Lab File: VX024725.D

Acq: 11 Oct 2021 20:22

Tgt Ion:	42	Resp:	291
Ion	Ratio	Lower	Upper
42	100		
72	48.5	41.7	62.5
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.285 ug/l

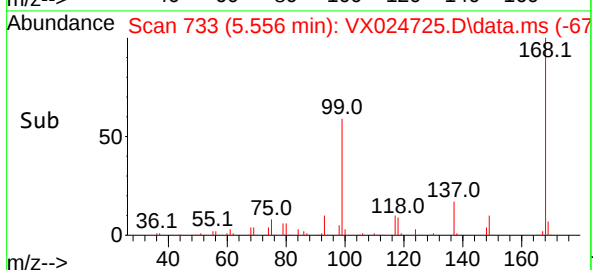
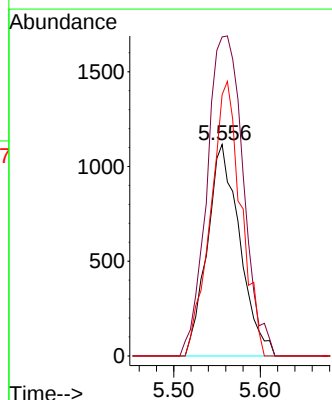
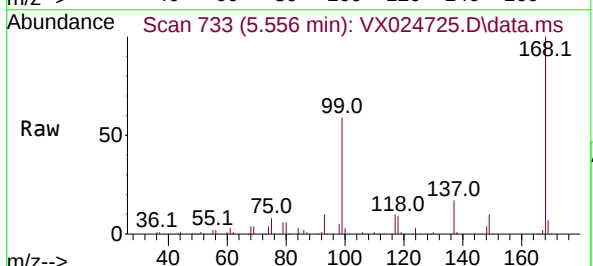
RT: 5.556 min Scan# 733

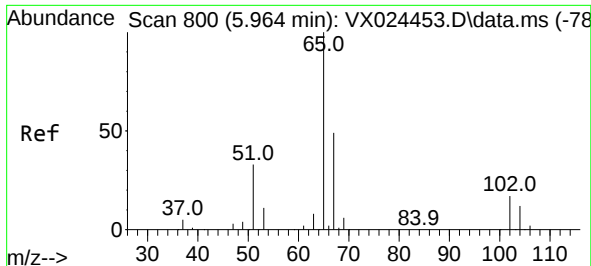
Delta R.T. 0.079 min

Lab File: VX024725.D

Acq: 11 Oct 2021 20:22

Tgt Ion:	56	Resp:	2907
Ion	Ratio	Lower	Upper
56	100		
69	150.9	25.3	37.9#
84	123.6	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.877 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024725.D

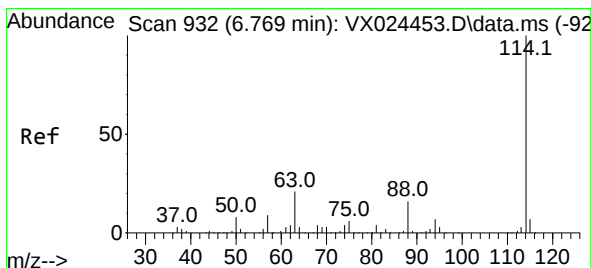
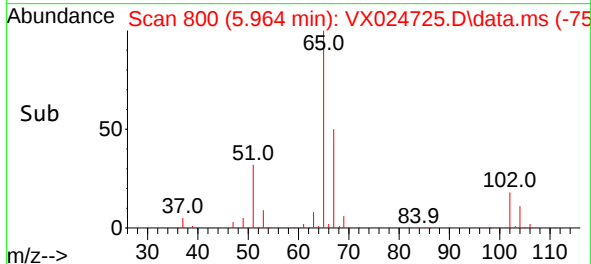
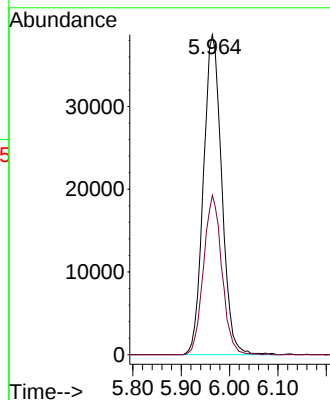
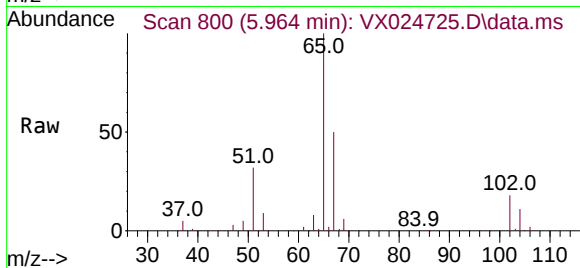
Acq: 11 Oct 2021 20:22

Tgt Ion: 65 Resp: 101776

Ion Ratio Lower Upper

65 100

67 49.9 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: VX024725.D

Acq: 11 Oct 2021 20:22

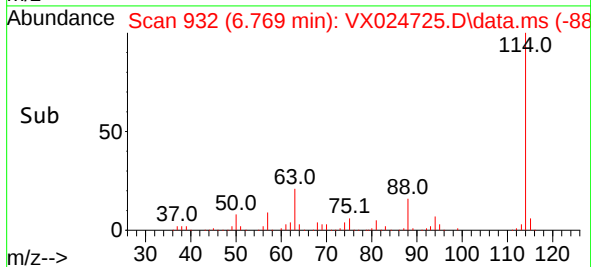
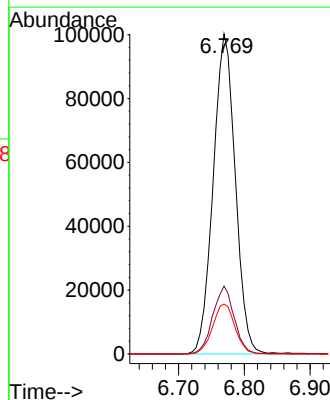
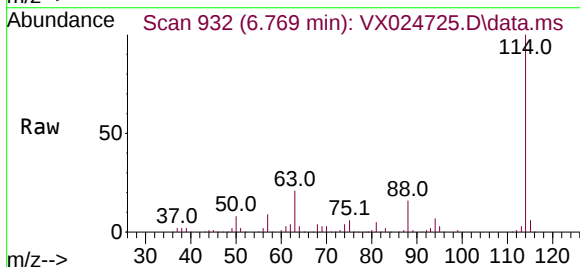
Tgt Ion: 114 Resp: 234450

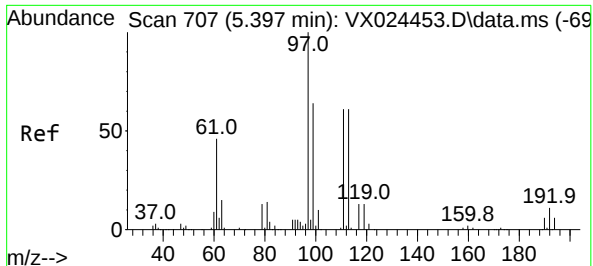
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.6 0.0 32.8

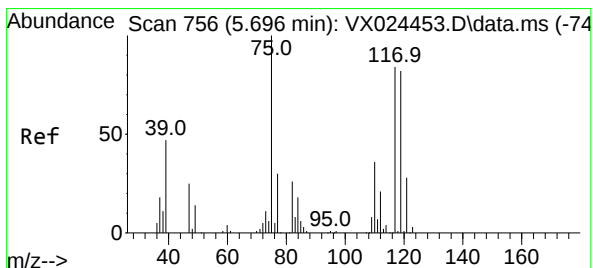
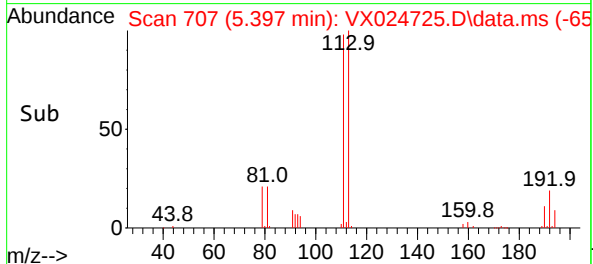
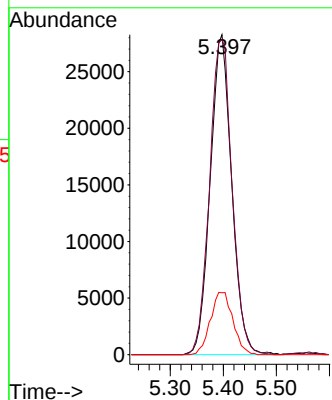
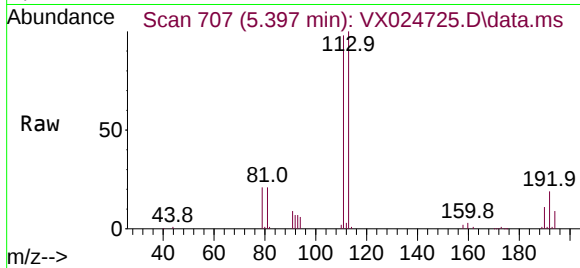




#35
Dibromofluoromethane
Concen: 51.002 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

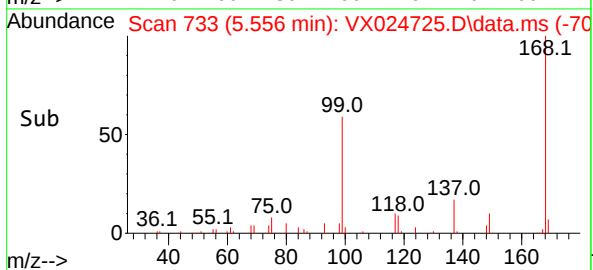
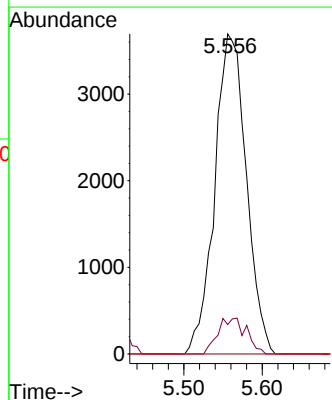
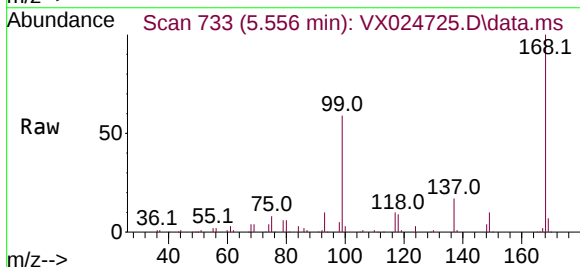
Instrument :
MSVOA_X
ClientSampleId :

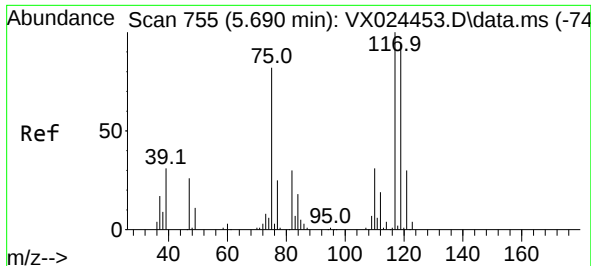
Tgt Ion:113 Resp: 79436
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.608 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

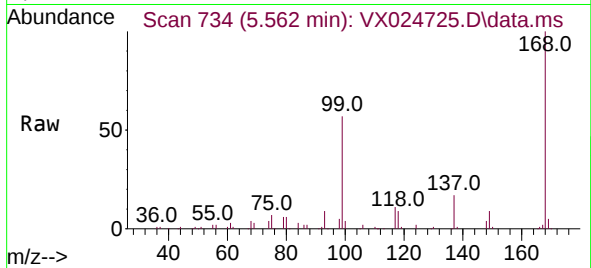
Tgt Ion: 75 Resp: 10357
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



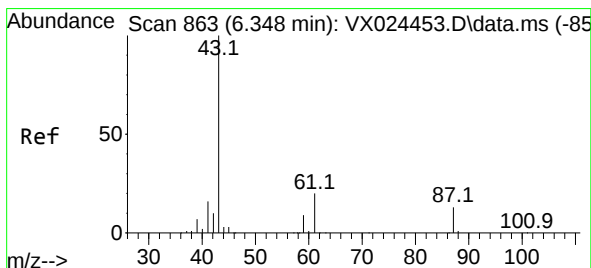
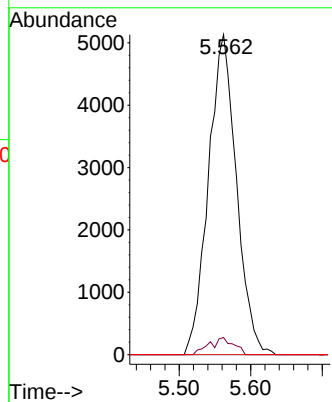
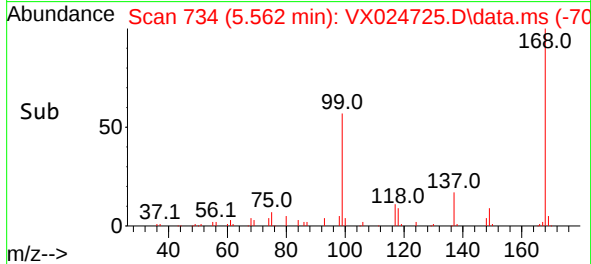


#38
Carbon Tetrachloride
Concen: 5.703 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

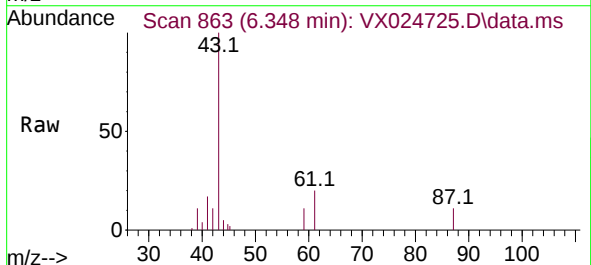
Instrument :
MSVOA_X
ClientSampleId :



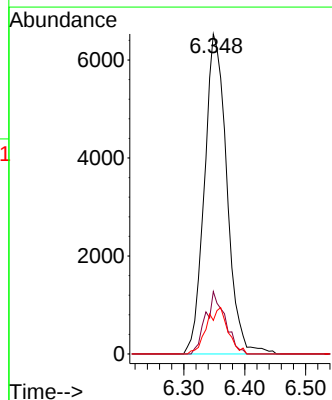
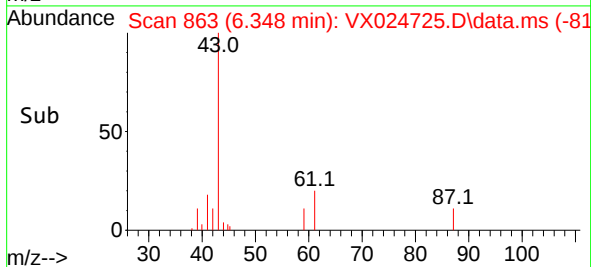
Tgt Ion:117 Resp: 13953
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

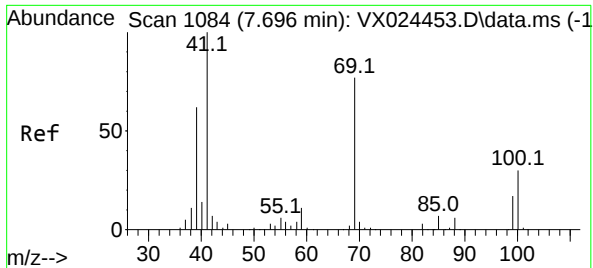


#43
Isopropyl Acetate
Concen: 3.910 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22



Tgt Ion: 43 Resp: 16681
Ion Ratio Lower Upper
43 100
61 17.1 18.2 27.4#
87 13.8 12.5 18.7

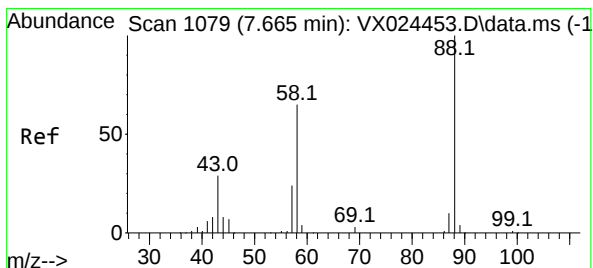
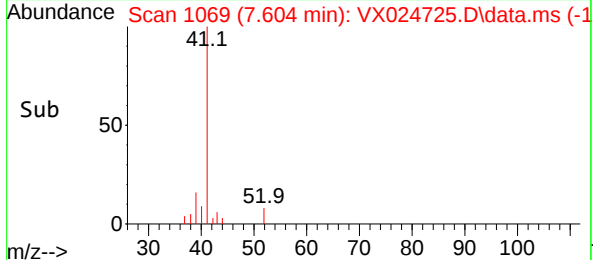
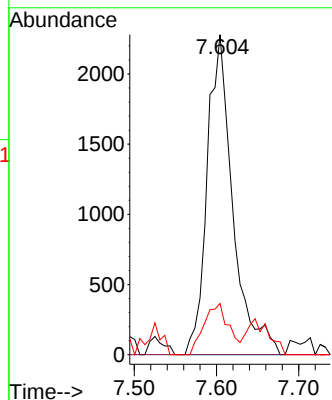
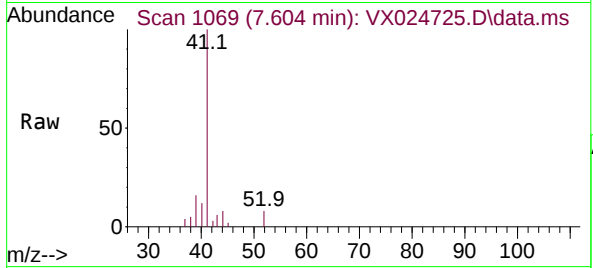




#48
Methyl methacrylate
Concen: 2.341 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

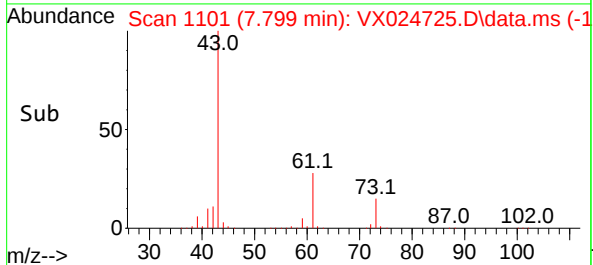
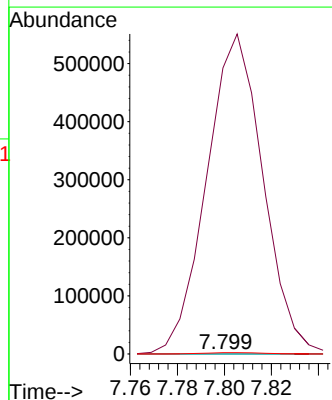
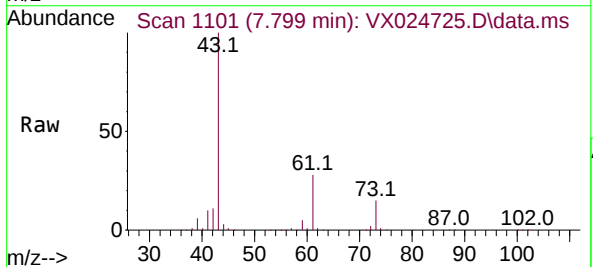
Instrument :
MSVOA_X
ClientSampled :

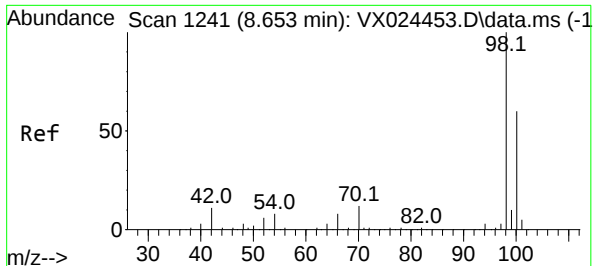
Tgt Ion: 41 Resp: 4945
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.728 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 702898.5 23.2 34.8#
58 3284.1 55.0 82.4#

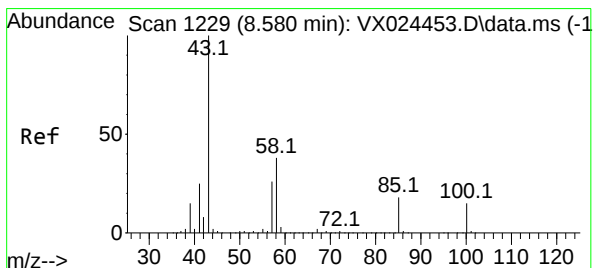
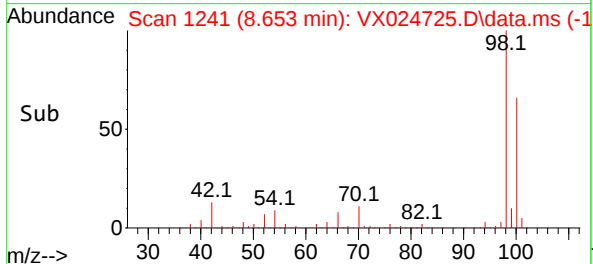
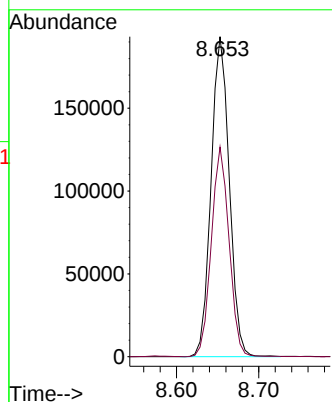
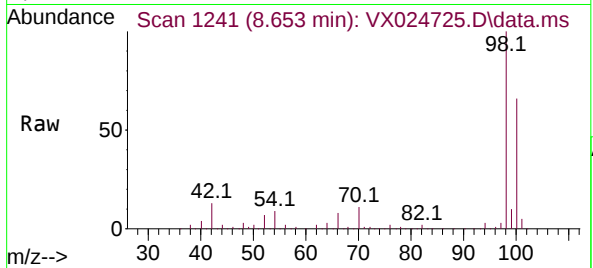




#50
Toluene-d8
Concen: 51.773 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

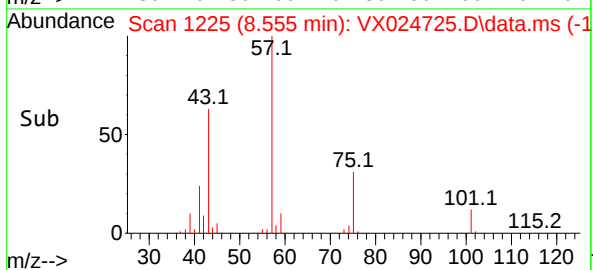
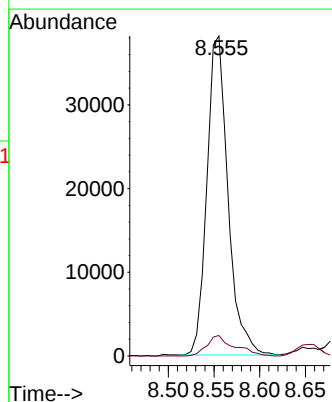
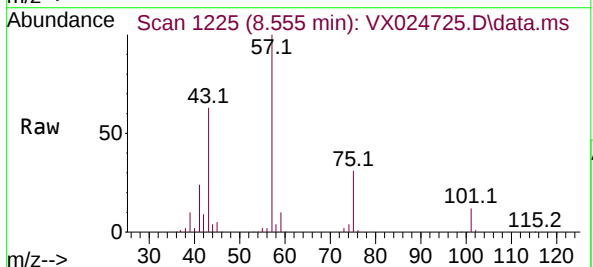
Instrument :
MSVOA_X
ClientSampled :

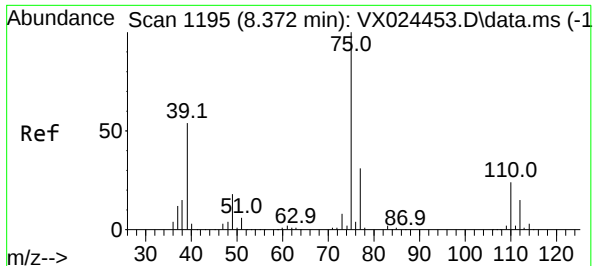
Tgt Ion: 98 Resp: 296785
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.707 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

Tgt Ion: 43 Resp: 61136
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#

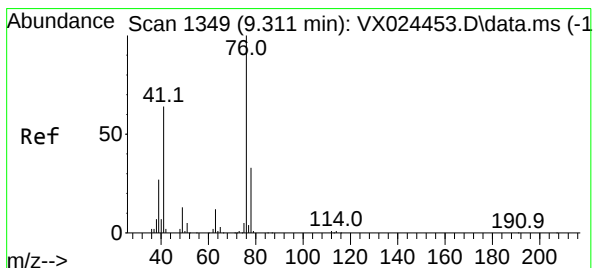
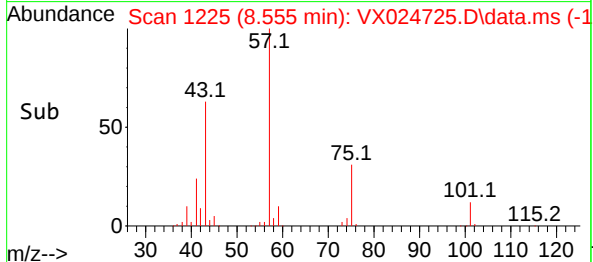
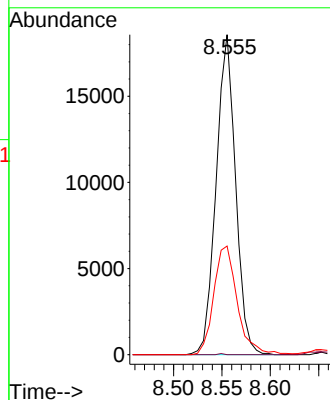
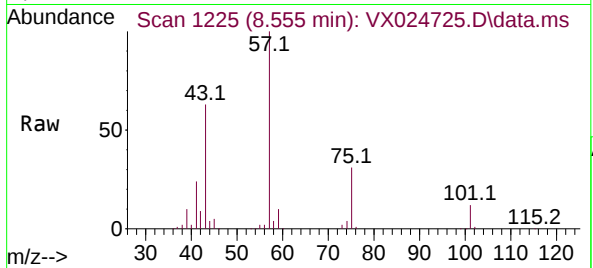




#54
 cis-1,3-Dichloropropene
 Concen: 9.875 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024725.D
 Acq: 11 Oct 2021 20:22

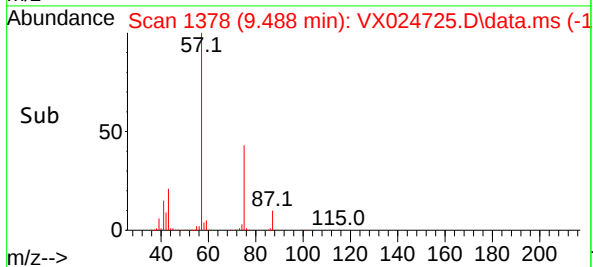
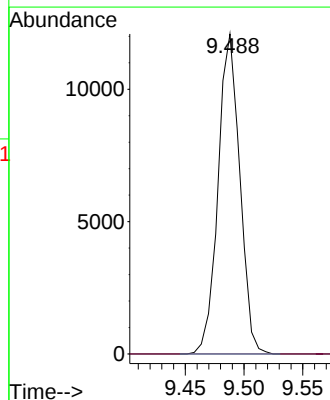
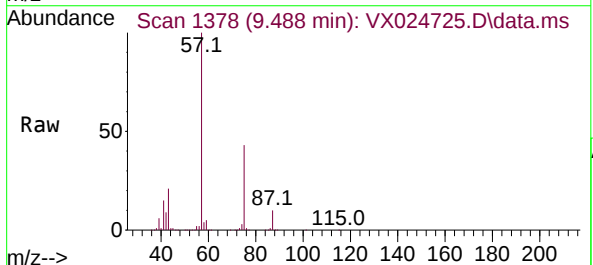
Instrument :
 MSVOA_X
 ClientSampleId :

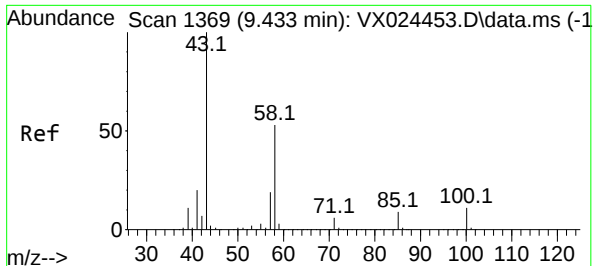
Tgt Ion: 75 Resp: 25932
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 34.0 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 5.374 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024725.D
 Acq: 11 Oct 2021 20:22

Tgt Ion: 76 Resp: 15564
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

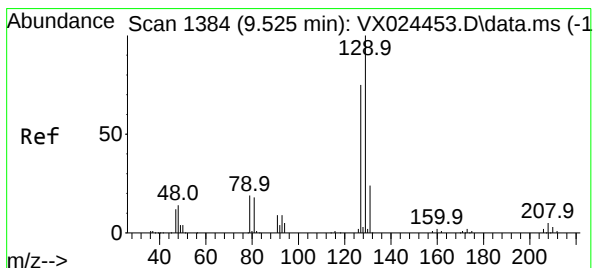
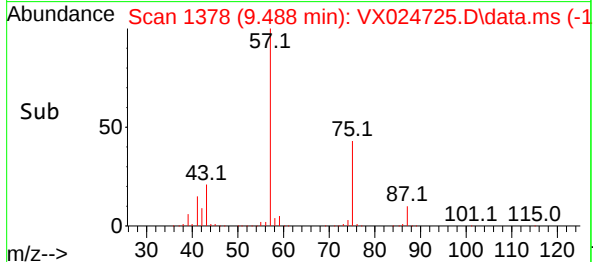
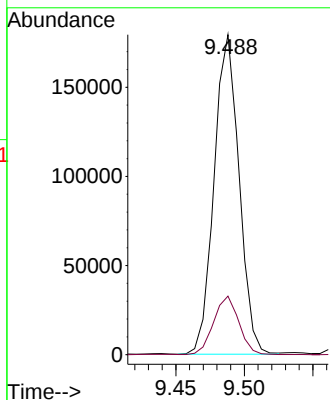
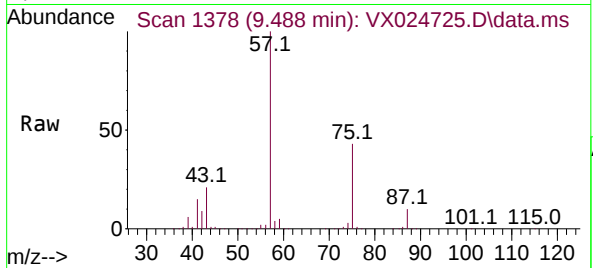




#59
2-Hexanone
Concen: 102.382 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

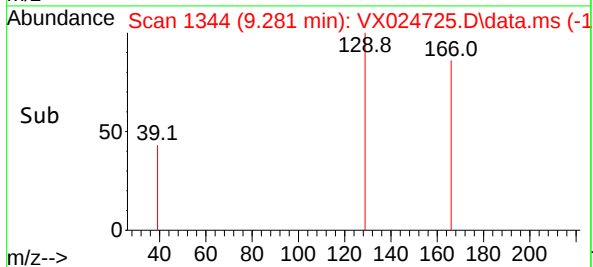
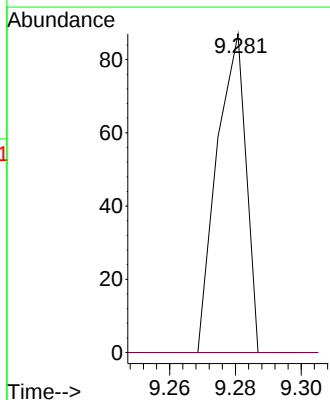
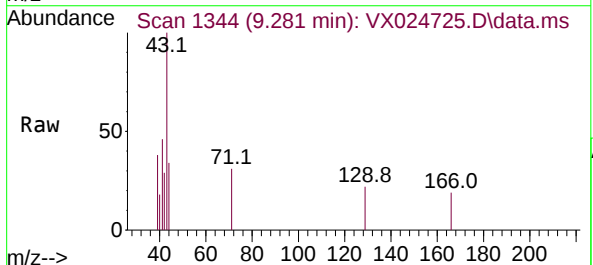
Instrument :
MSVOA_X
ClientSampleId :

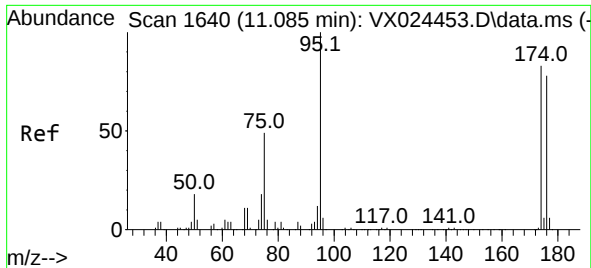
Tgt Ion: 43 Resp: 227078
Ion Ratio Lower Upper
43 100
58 18.6 30.9 92.8#



#60
Dibromochloromethane
Concen: 1.214 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

Tgt Ion:129 Resp: 53
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

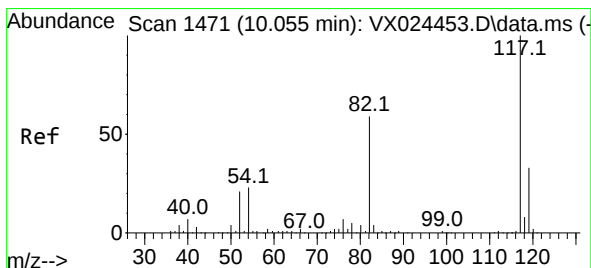
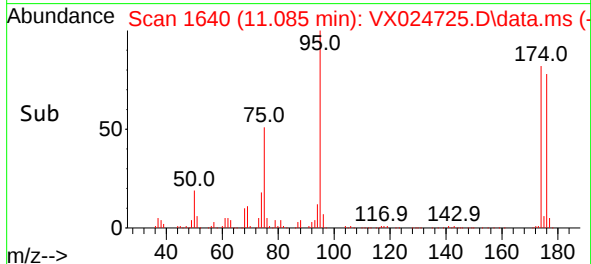
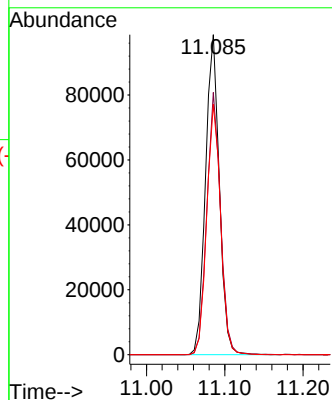
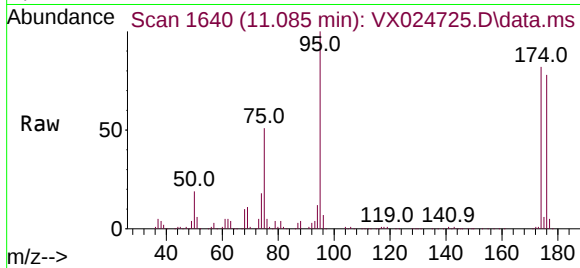




#62
4-Bromofluorobenzene
Concen: 53.473 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

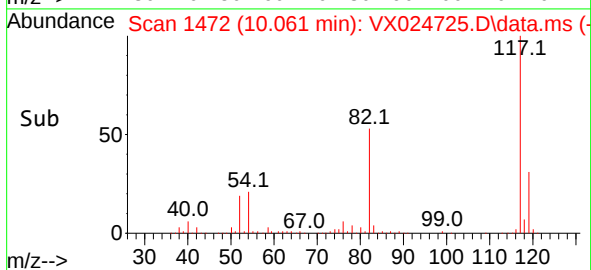
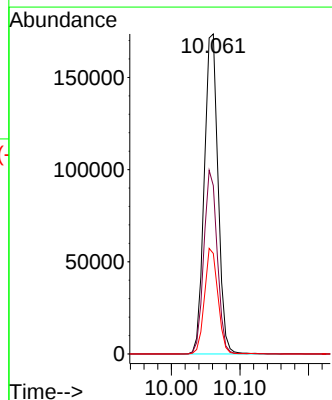
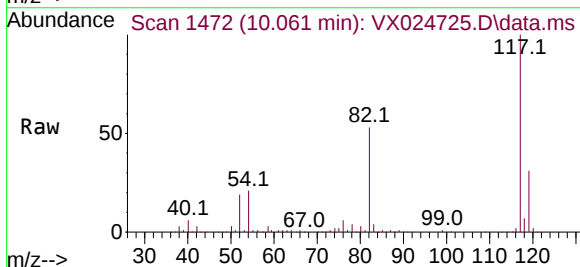
Instrument :
MSVOA_X
ClientSampleId :

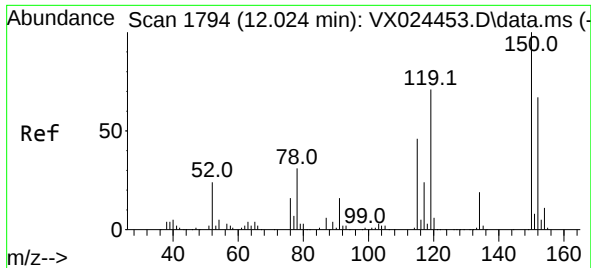
Tgt Ion: 95 Resp: 120523
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.6
176 78.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX024725.D
Acq: 11 Oct 2021 20:22

Tgt Ion: 117 Resp: 242802
Ion Ratio Lower Upper
117 100
82 52.6 47.4 71.2
119 31.4 26.6 39.8

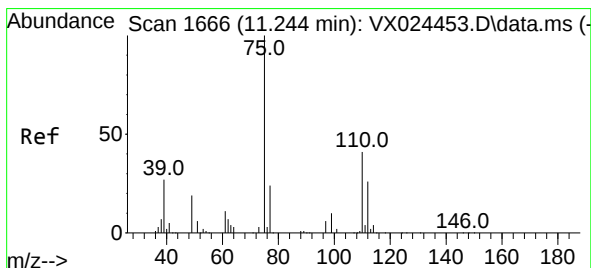
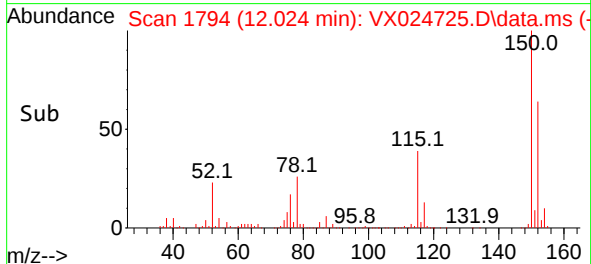
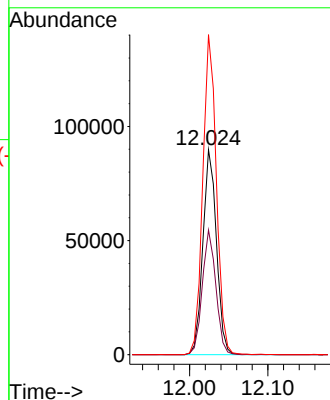
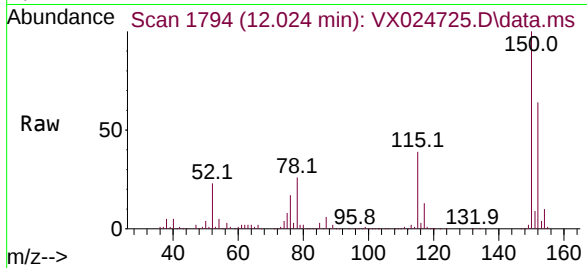




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024725.D
 Acq: 11 Oct 2021 20:22

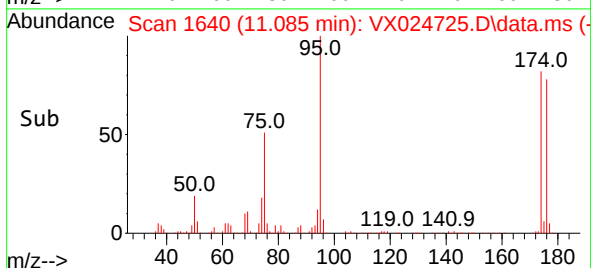
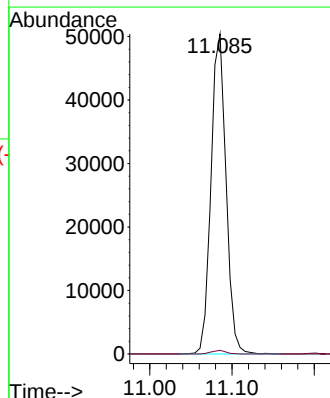
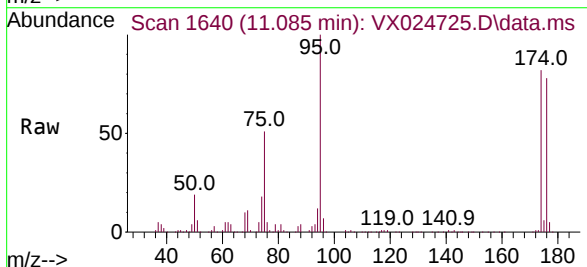
Instrument :
 MSVOA_X
 ClientSampleId :

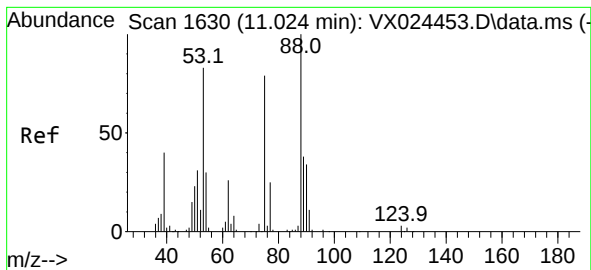
Tgt Ion:152 Resp: 108074
 Ion Ratio Lower Upper
 152 100
 115 60.7 41.1 123.3
 150 156.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.022 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024725.D
 Acq: 11 Oct 2021 20:22

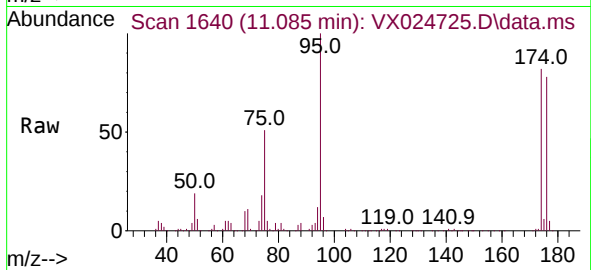
Tgt Ion: 75 Resp: 63866
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.882 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024725.D
 Acq: 11 Oct 2021 20:22

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 63866
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

