

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024752.D
 Acq On : 12 Oct 2021 08:28
 Operator : JC/MD
 Sample : M4158-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:58:10 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)

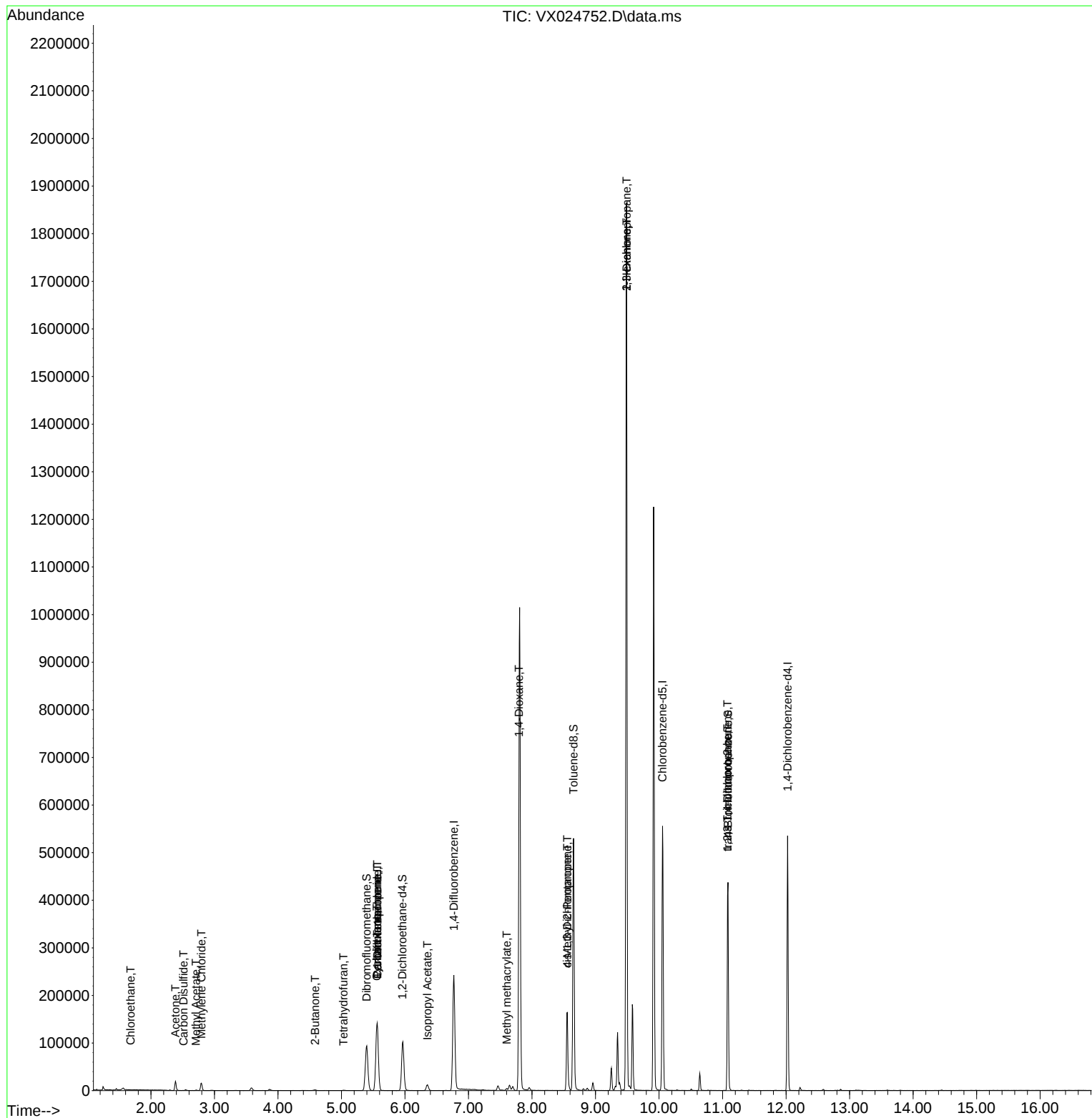
Internal Standards						
1) Pentafluorobenzene	5.562	168	132070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234345	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103947	55.844	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.680%
35) Dibromofluoromethane	5.397	113	79105	50.812	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.620%
50) Toluene-d8	8.653	98	299159	52.210	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.420%
62) 4-Bromofluorobenzene	11.085	95	113133	50.217	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.440%
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	76	0.345	ug/l #	43
11) Tert butyl alcohol	2.971	59	655	Below Cal	#	73
16) Acetone	2.386	43	19469	15.268	ug/l	90
17) Carbon Disulfide	2.514	76	172	0.283	ug/l #	75
18) Methyl Acetate	2.709	43	1548	0.555	ug/l	91
20) Methylene Chloride	2.794	84	7054	4.013	ug/l	93
25) 2-Butanone	4.587	43	3055	2.383	ug/l #	80
29) Tetrahydrofuran	5.032	42	680	0.833	ug/l #	76
31) Cyclohexane	5.556	56	2853	1.280	ug/l #	12
36) 1,1-Dichloropropene	5.562	75	10950	4.874	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13572	5.550	ug/l #	16
43) Isopropyl Acetate	6.354	43	16549	3.881	ug/l #	93
48) Methyl methacrylate	7.604	41	5458	2.585	ug/l #	10
49) 1,4-Dioxane	7.793	88	121	2.502	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	61694	21.915	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	25014	9.529	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	15815	5.463	ug/l #	42
59) 2-Hexanone	9.488	43	224656	101.335	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	61921	25.637	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	61921	69.862	ug/l #	12

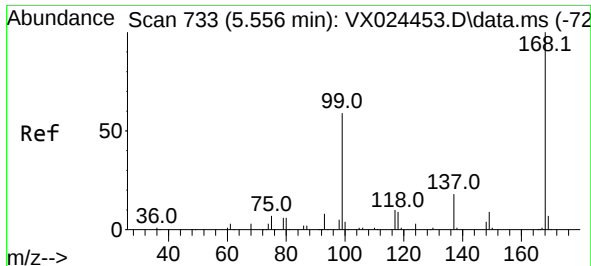
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
Data File : VX024752.D
Acq On : 12 Oct 2021 08:28
Operator : JC/MD
Sample : M4158-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

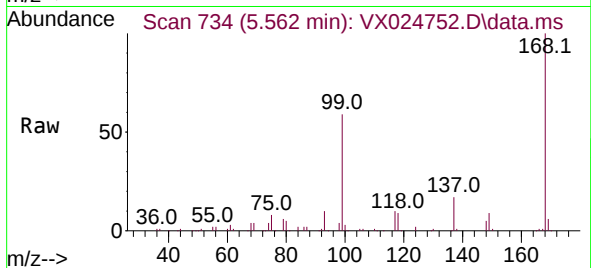
Quant Time: Oct 12 08:58:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration



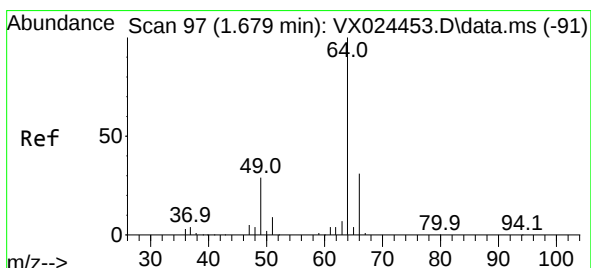
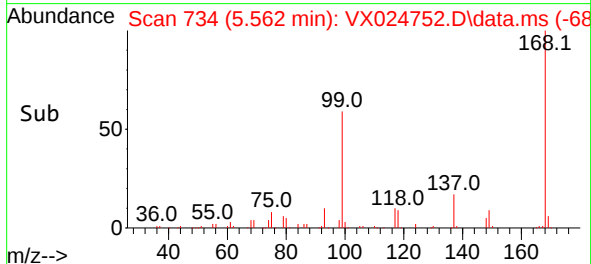
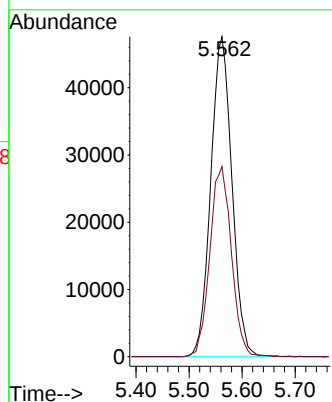


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Instrument :
MSVOA_X
ClientSampled :

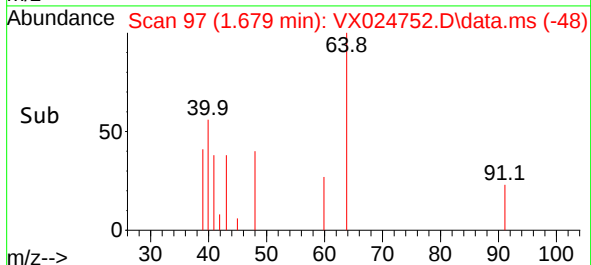
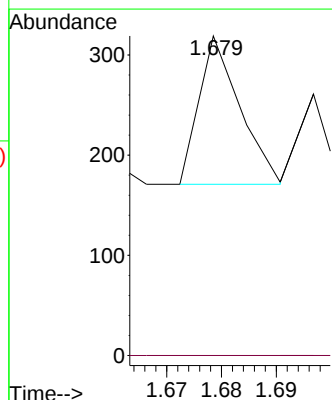
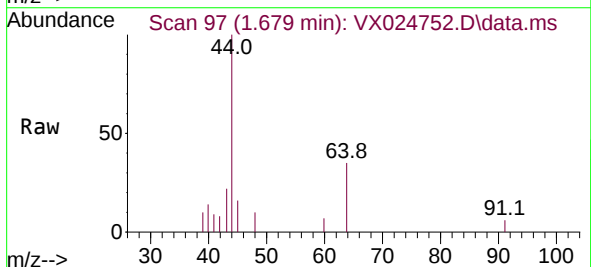


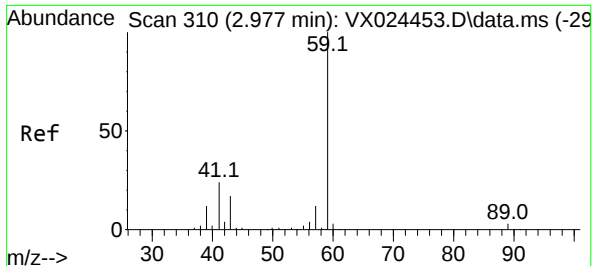
Tgt Ion:168 Resp: 132070
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#6
Chloroethane
Concen: 0.345 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



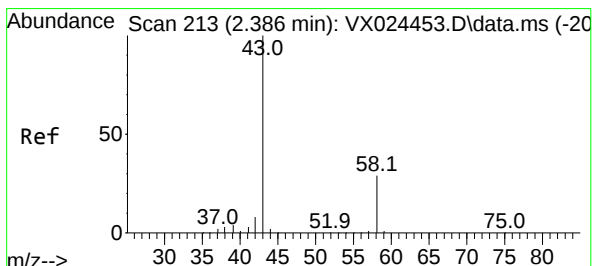
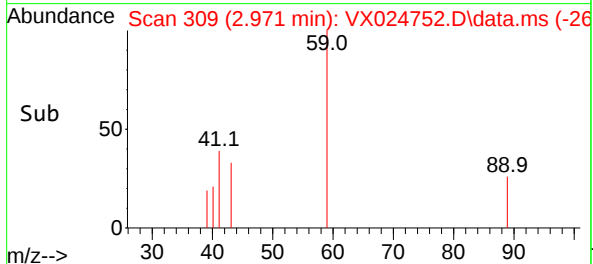
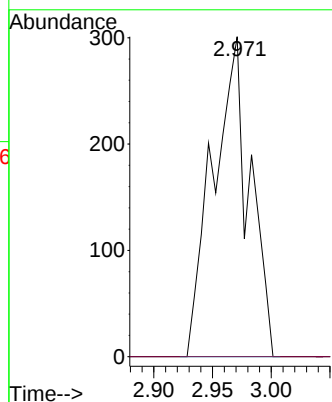
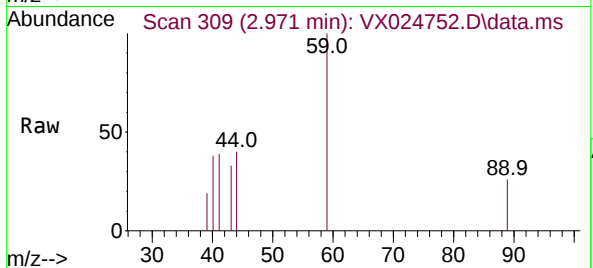


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Instrument :
MSVOA_X
ClientSampled :

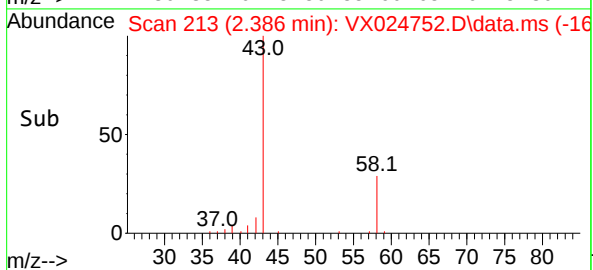
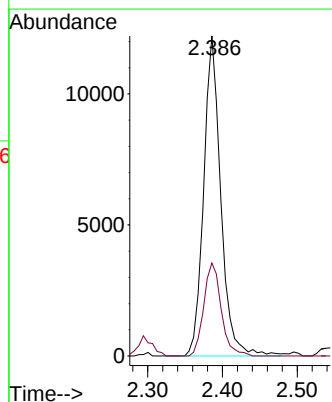
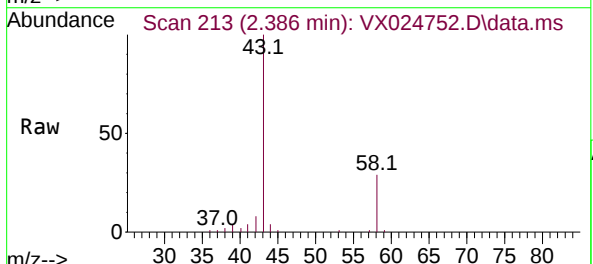
Tgt Ion: 59 Resp: 655
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

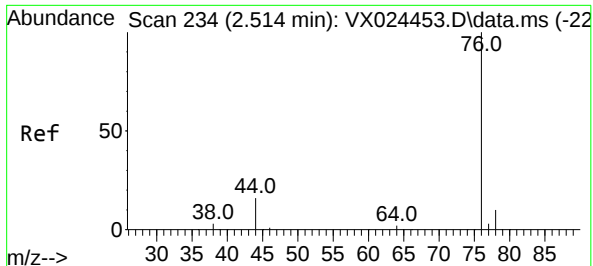


#16

Acetone
Concen: 15.268 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion: 43 Resp: 19469
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8

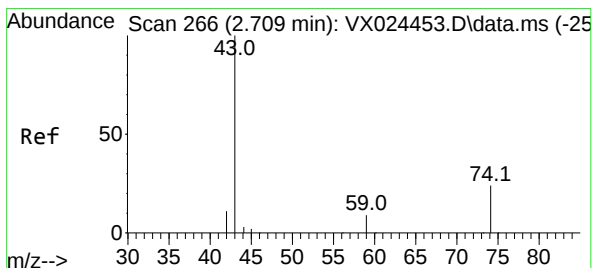
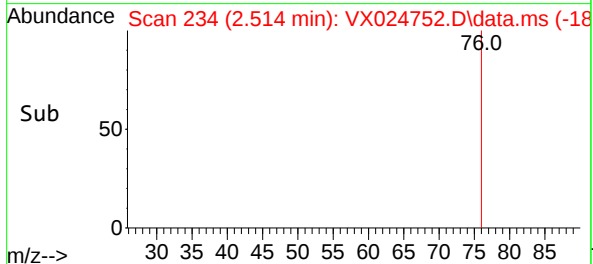
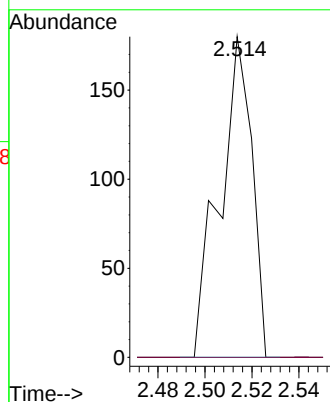
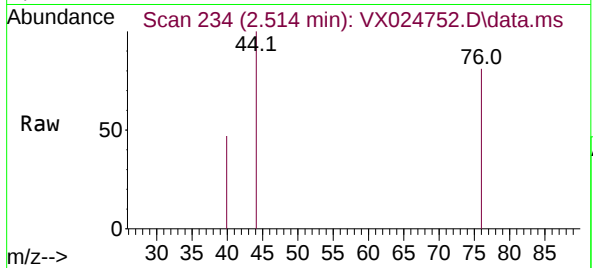




#17
Carbon Disulfide
Concen: 0.283 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

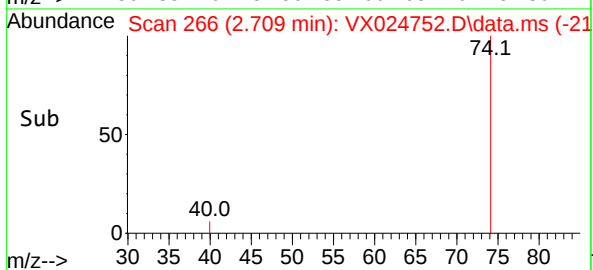
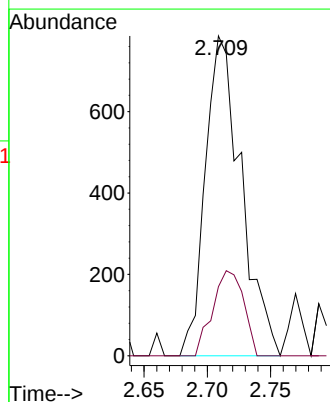
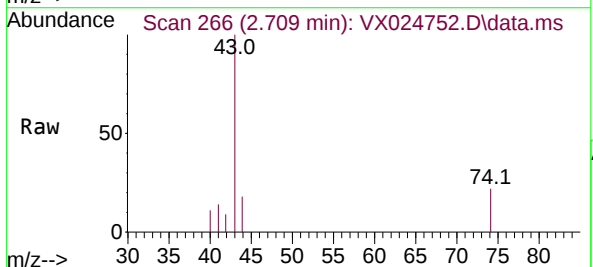
Instrument :
MSVOA_X
ClientSampled :

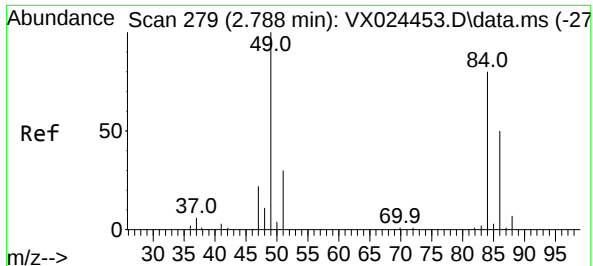
Tgt Ion: 76 Resp: 172
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.555 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
74 22.9 21.9 32.9





#20

Methylene Chloride

Concen: 4.013 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024752.D

Acq: 12 Oct 2021 08:28

Tgt Ion: 84 Resp: 7054

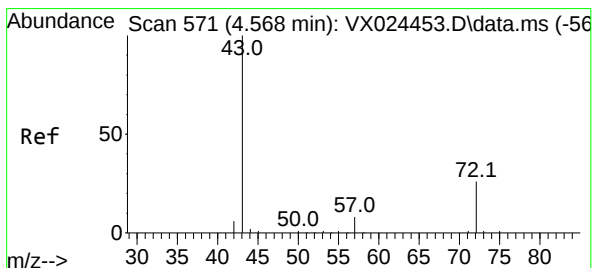
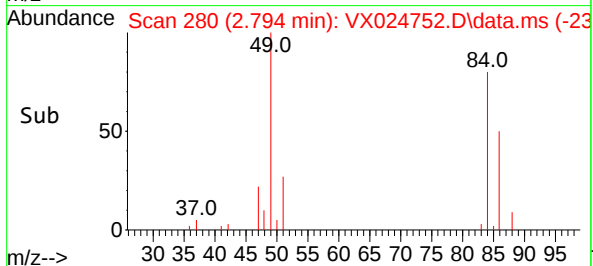
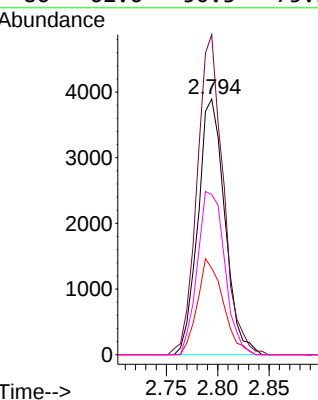
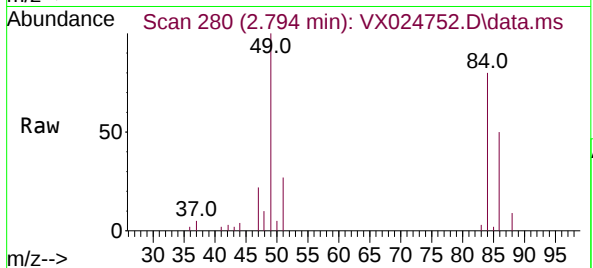
Ion Ratio Lower Upper

84 100

49 125.1 88.6 132.8

51 33.8 27.0 40.6

86 62.6 50.3 75.5



#25

2-Butanone

Concen: 2.383 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX024752.D

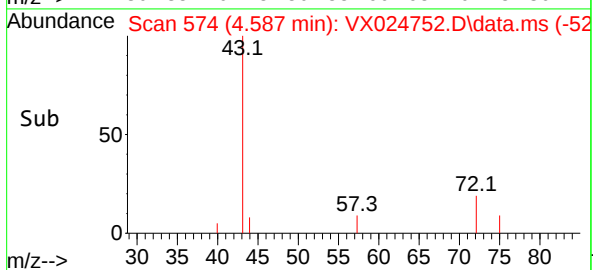
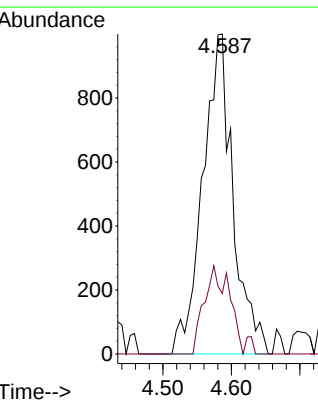
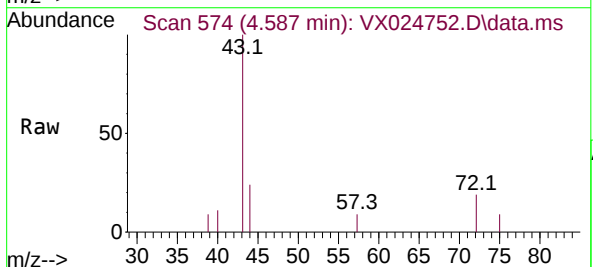
Acq: 12 Oct 2021 08:28

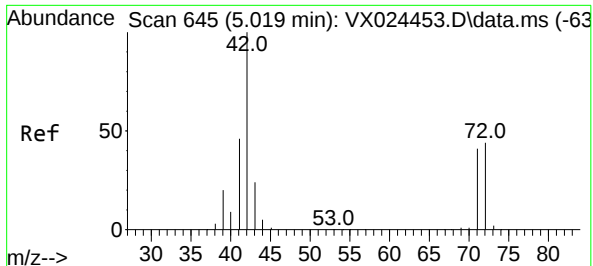
Tgt Ion: 43 Resp: 3055

Ion Ratio Lower Upper

43 100

72 18.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.833 ug/l

RT: 5.032 min Scan# 647

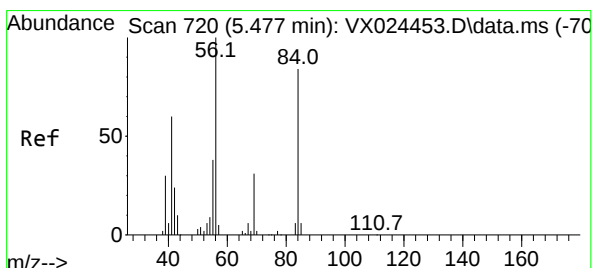
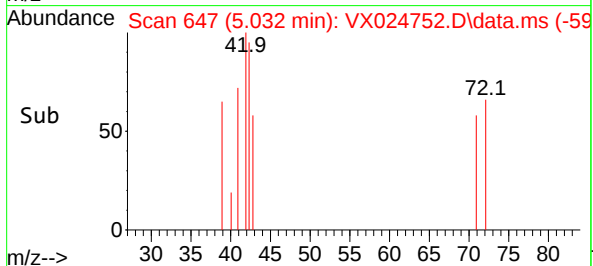
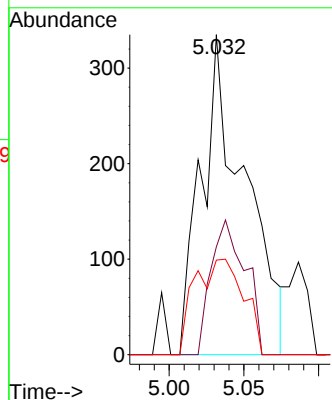
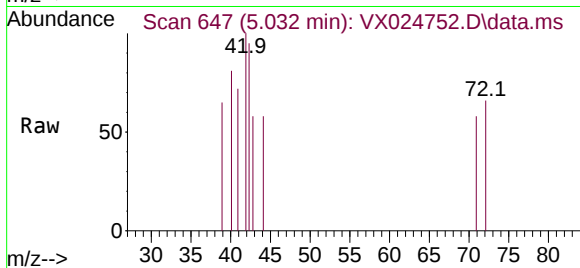
Delta R.T. 0.013 min

Lab File: VX024752.D

Acq: 12 Oct 2021 08:28

Tgt Ion:	42	Resp:	680
Ion	Ratio	Lower	Upper
42	100		
72	33.1	41.7	62.5#
71	33.5	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.280 ug/l

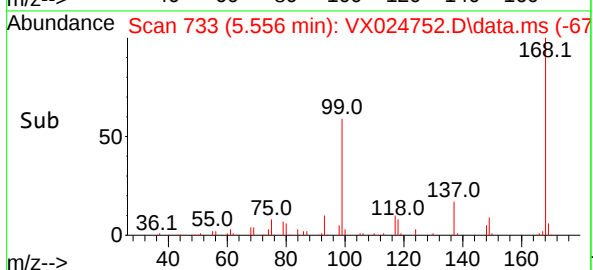
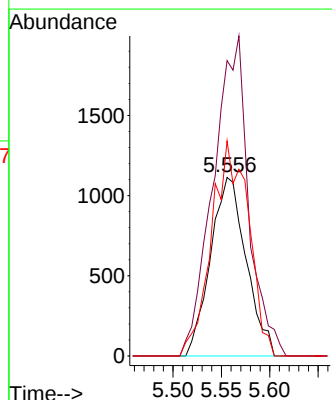
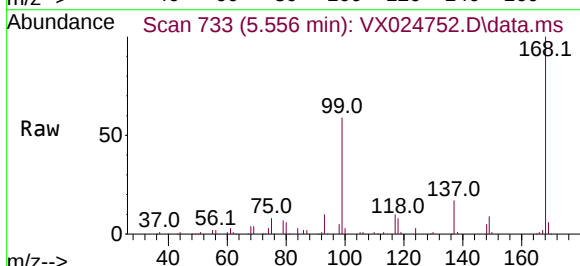
RT: 5.556 min Scan# 733

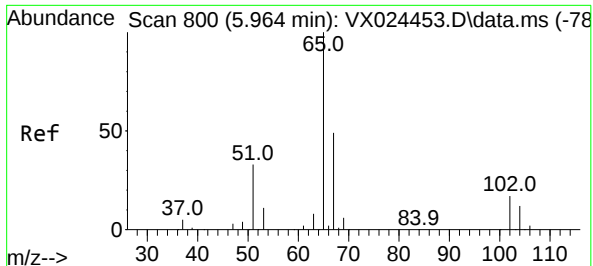
Delta R.T. 0.079 min

Lab File: VX024752.D

Acq: 12 Oct 2021 08:28

Tgt Ion:	56	Resp:	2853
Ion	Ratio	Lower	Upper
56	100		
69	165.4	25.3	37.9#
84	120.4	71.4	107.0#



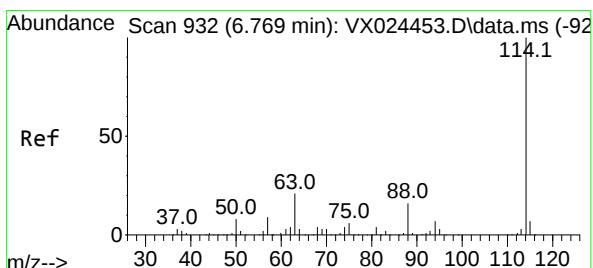
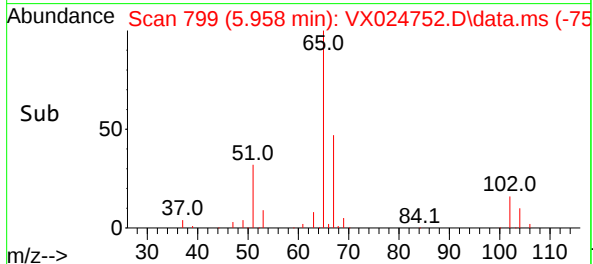
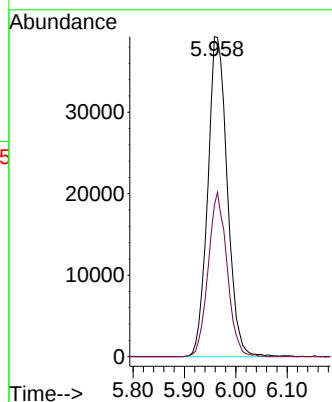
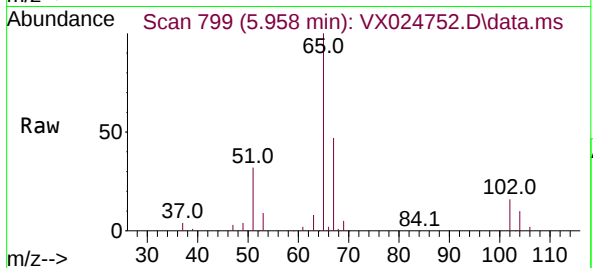


#33

1,2-Dichloroethane-d4
Concen: 55.844 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Instrument :
MSVOA_X
ClientSampleId :

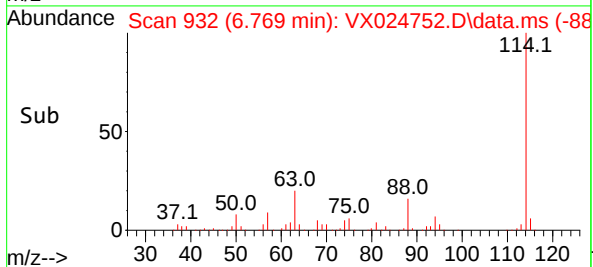
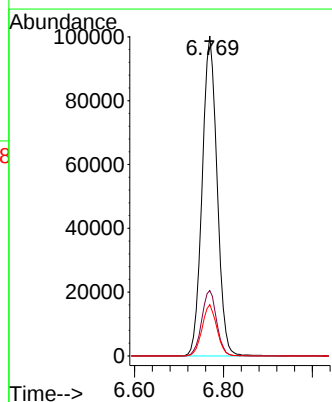
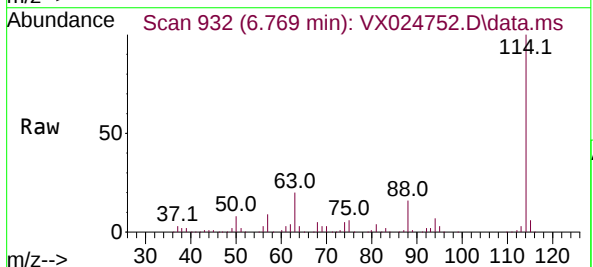
Tgt Ion: 65 Resp: 103947
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4

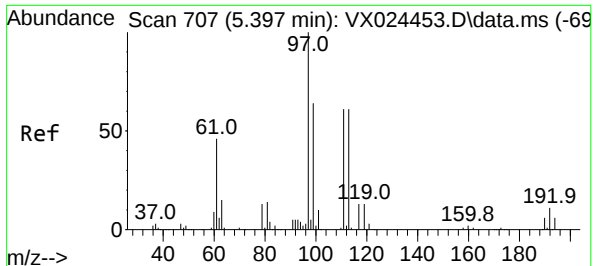


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion: 114 Resp: 234345
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.0 0.0 32.8

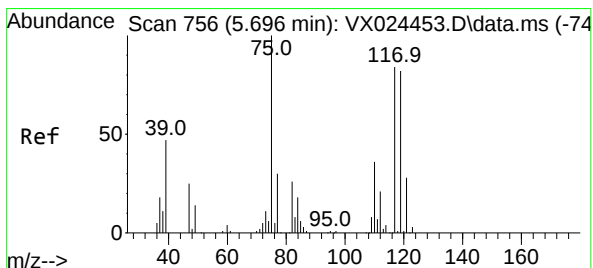
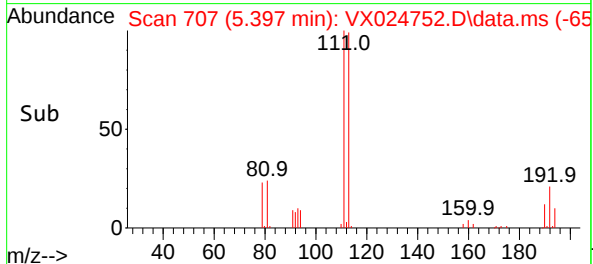
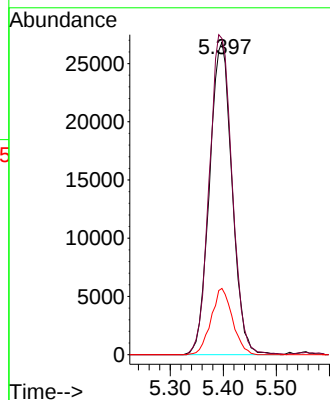
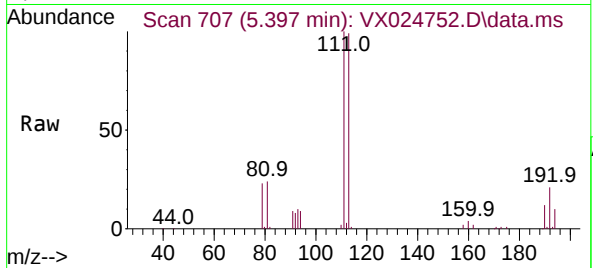




#35
Dibromofluoromethane
Concen: 50.812 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

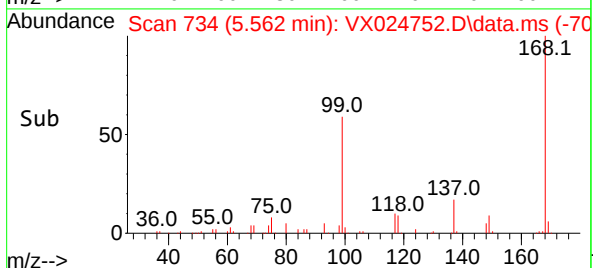
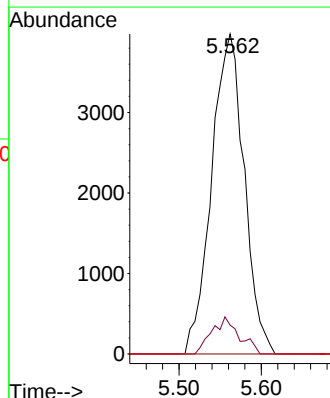
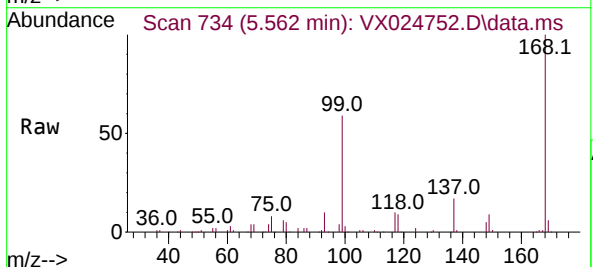
Instrument :
MSVOA_X
ClientSampleId :

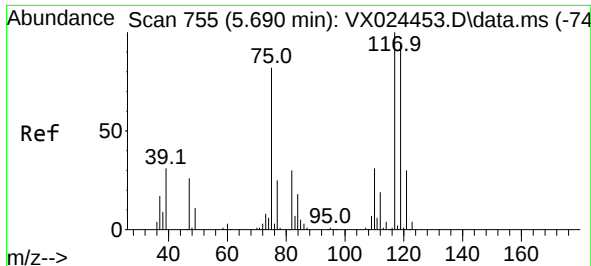
Tgt Ion:113 Resp: 79105
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

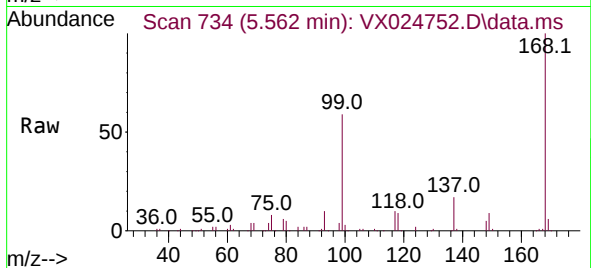
Tgt Ion: 75 Resp: 10950
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



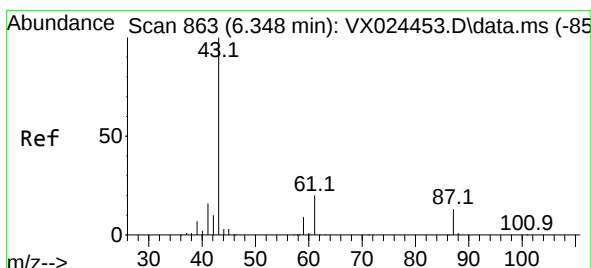
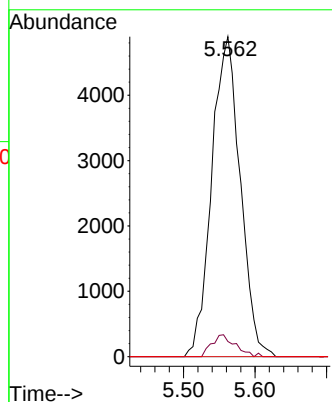
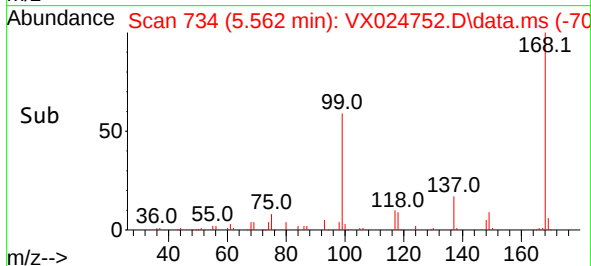


#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

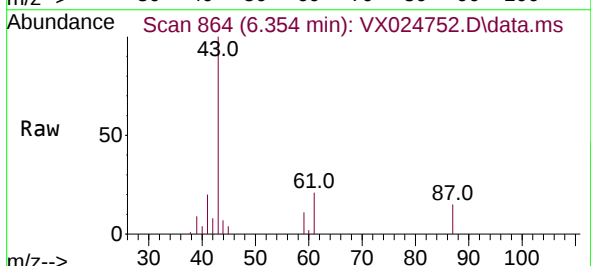
Instrument :
MSVOA_X
ClientSampleId :



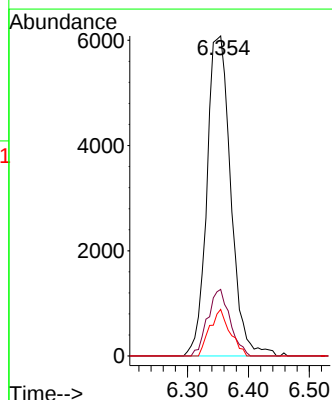
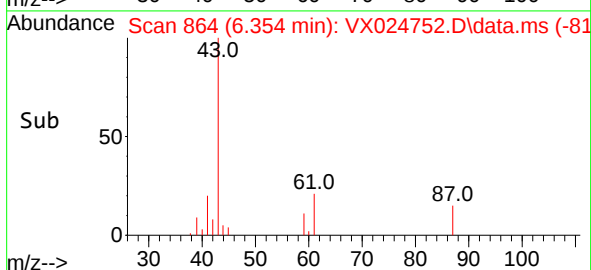
Tgt Ion:117 Resp: 13572
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

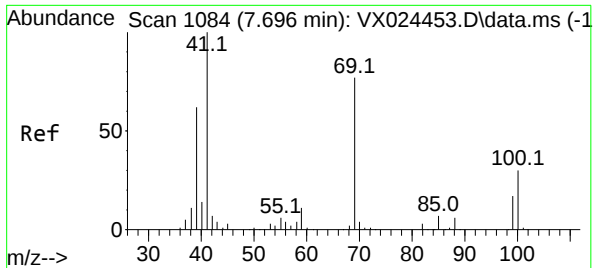


#43
Isopropyl Acetate
Concen: 3.881 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28



Tgt Ion: 43 Resp: 16549
Ion Ratio Lower Upper
43 100
61 19.5 18.2 27.4
87 12.3 12.5 18.7#

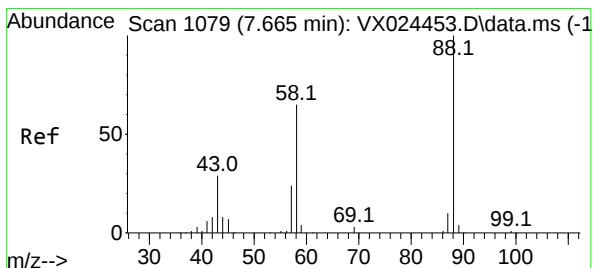
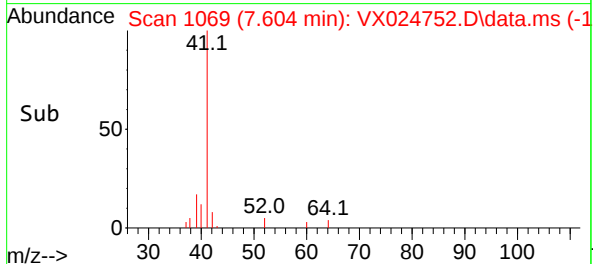
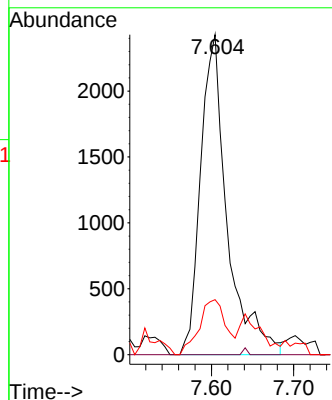
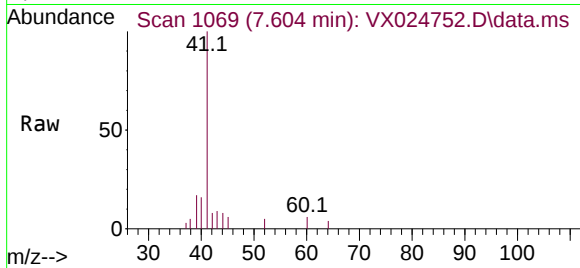




#48
Methyl methacrylate
Concen: 2.585 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

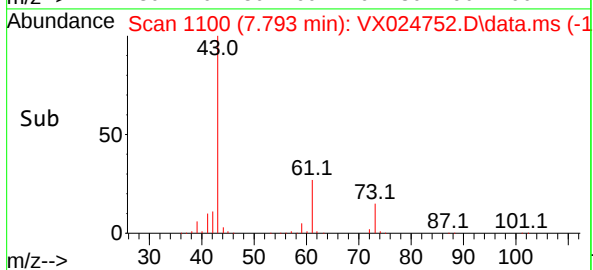
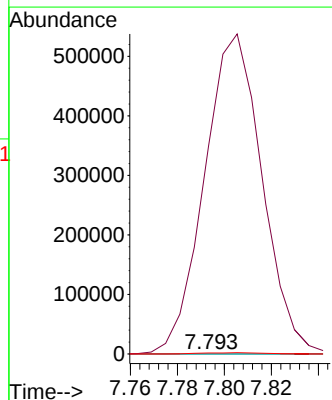
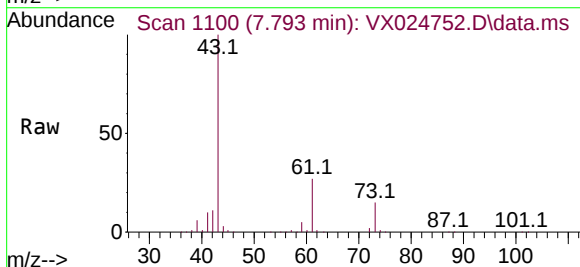
Instrument :
MSVOA_X
ClientSampleId :

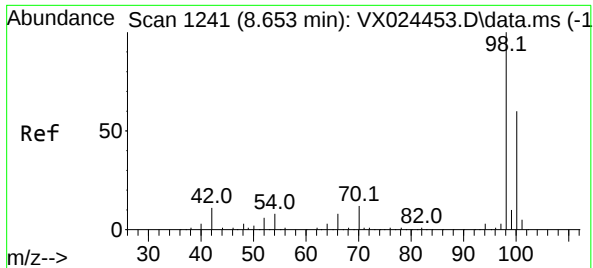
Tgt Ion: 41 Resp: 5458
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.502 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 764124.8 23.2 34.8#
58 3314.9 55.0 82.4#

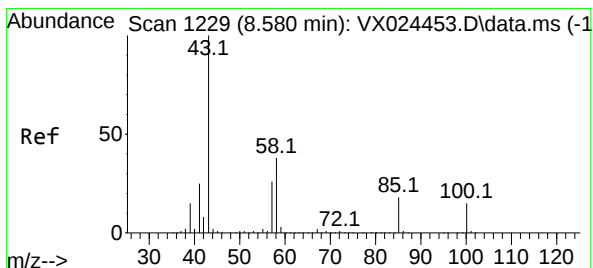
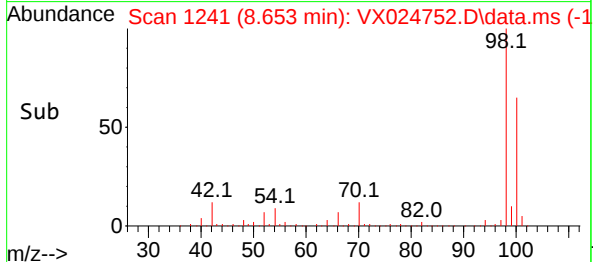
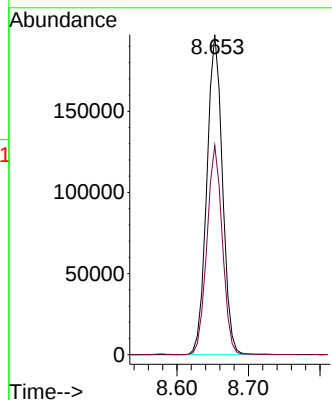
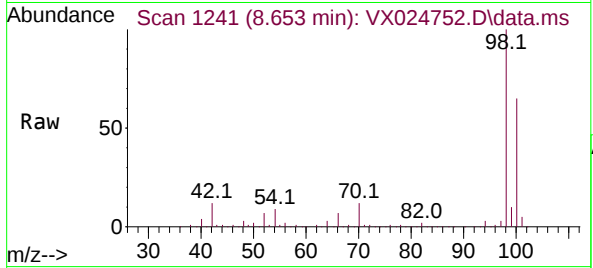




#50
Toluene-d8
Concen: 52.210 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

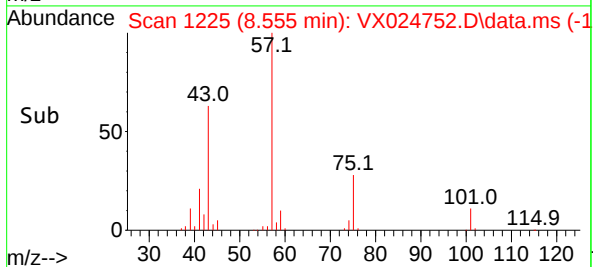
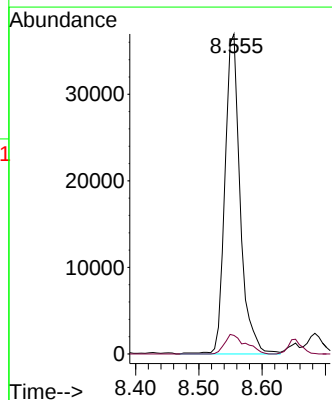
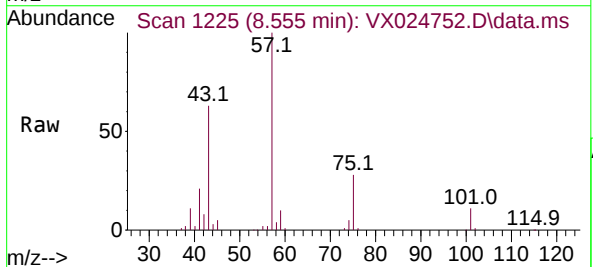
Instrument :
MSVOA_X
ClientSampled :

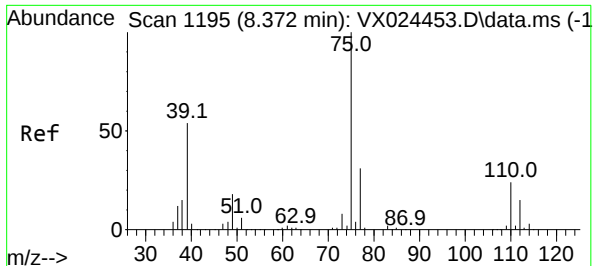
Tgt Ion: 98 Resp: 299159
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.915 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion: 43 Resp: 61694
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#

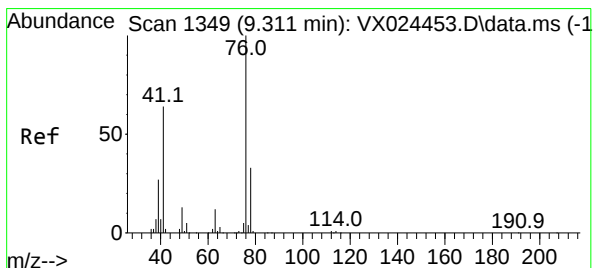
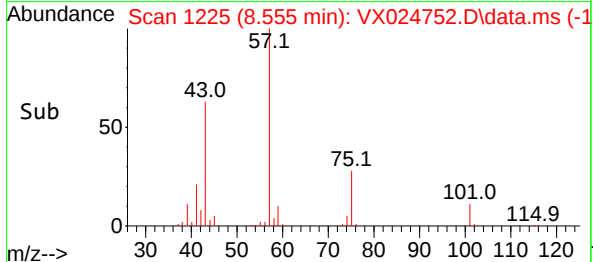
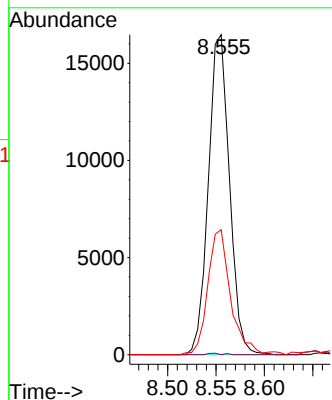
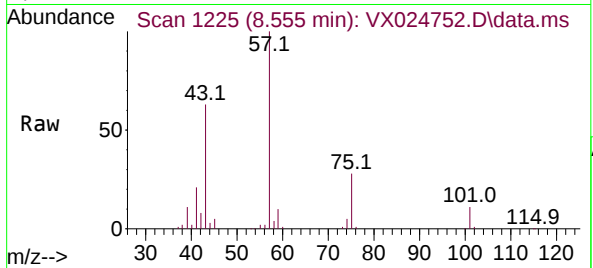




#54
 cis-1,3-Dichloropropene
 Concen: 9.529 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024752.D
 Acq: 12 Oct 2021 08:28

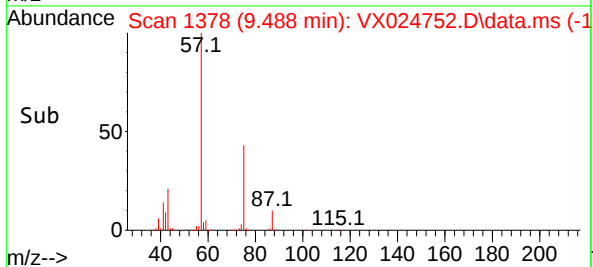
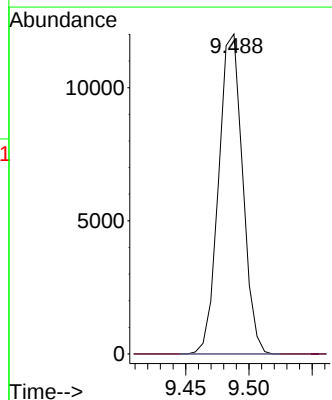
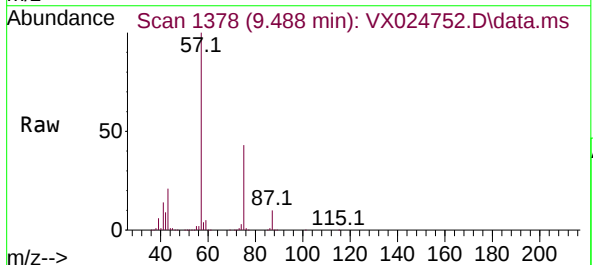
Instrument :
 MSVOA_X
 ClientSampleId :

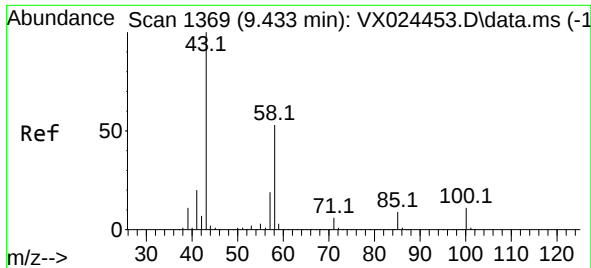
Tgt Ion: 75 Resp: 25014
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 39.1 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 5.463 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024752.D
 Acq: 12 Oct 2021 08:28

Tgt Ion: 76 Resp: 15815
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

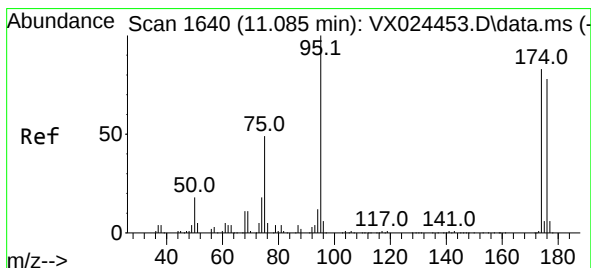
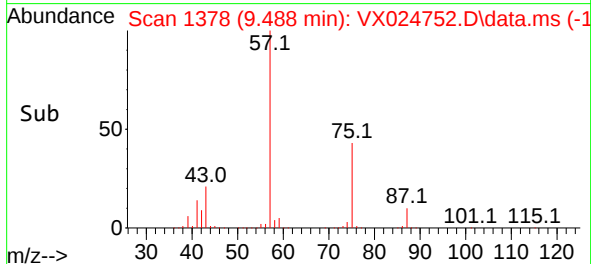
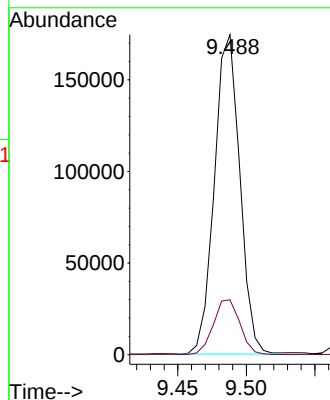
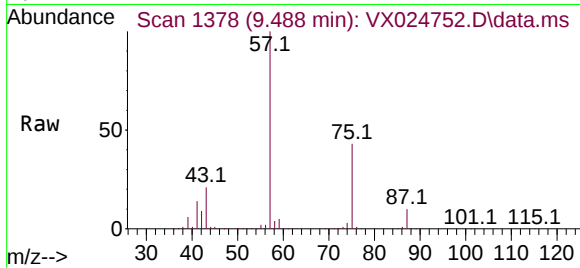




#59
2-Hexanone
Concen: 101.335 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

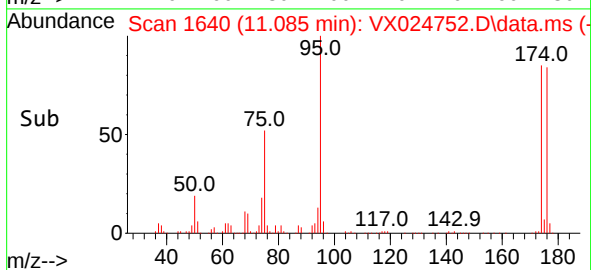
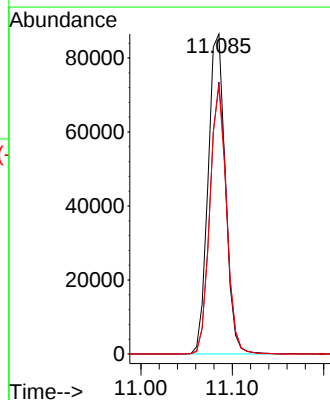
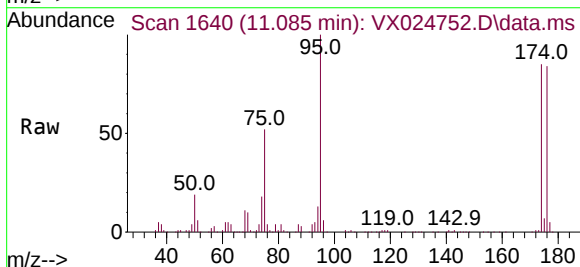
Instrument :
MSVOA_X
ClientSampled :

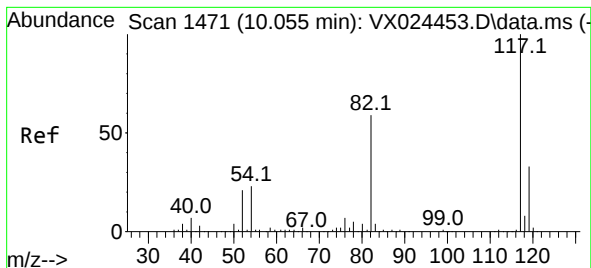
Tgt Ion: 43 Resp: 224656
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 50.217 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion: 95 Resp: 113133
Ion Ratio Lower Upper
95 100
174 81.7 0.0 154.6
176 80.3 0.0 155.8

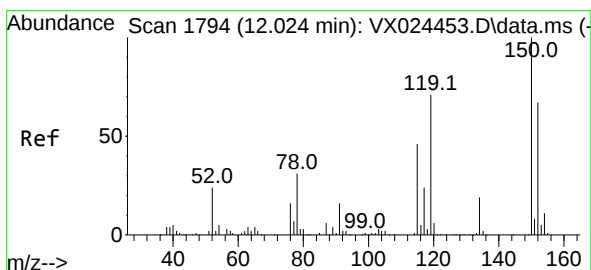
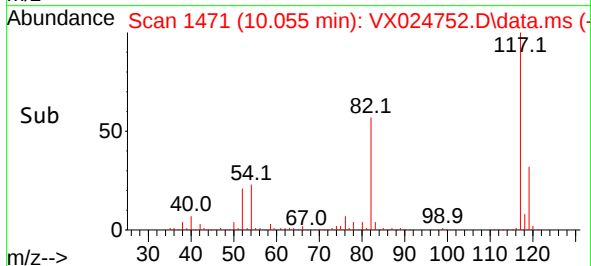
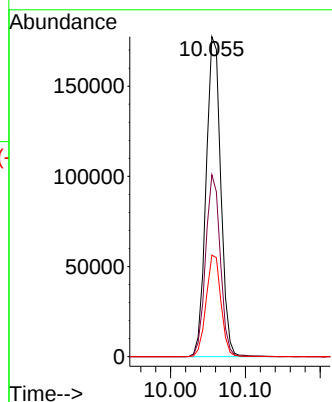
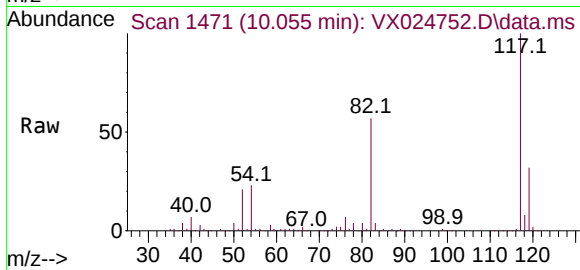




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

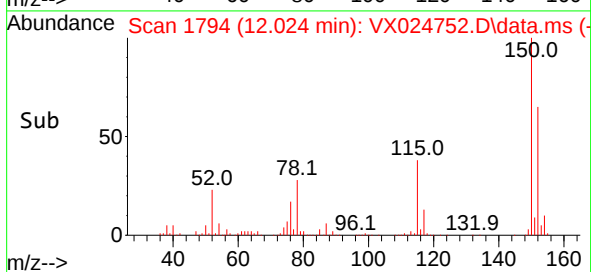
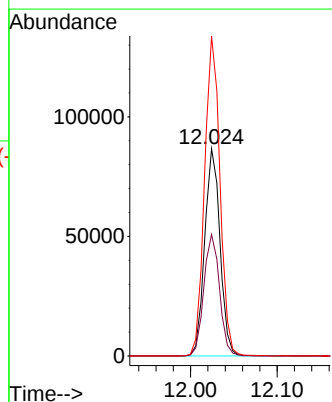
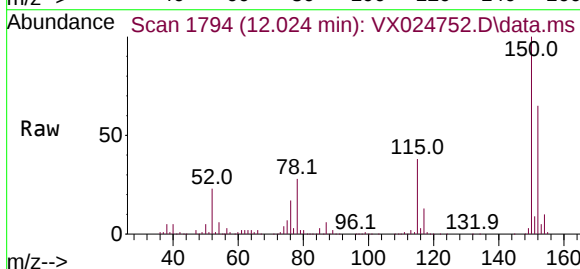
Instrument :
MSVOA_X
ClientSampleId :

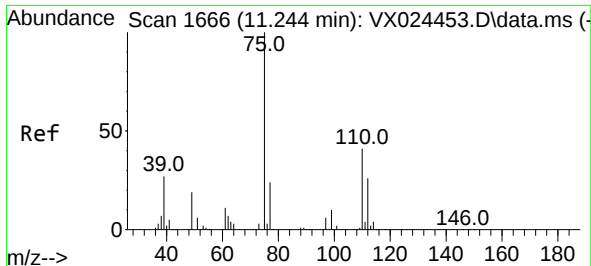
Tgt Ion:117 Resp: 242498
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion:152 Resp: 106356
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 155.4 0.0 349.0

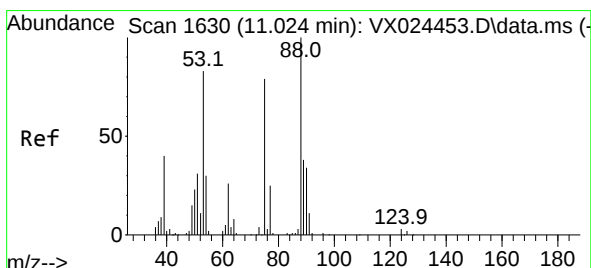
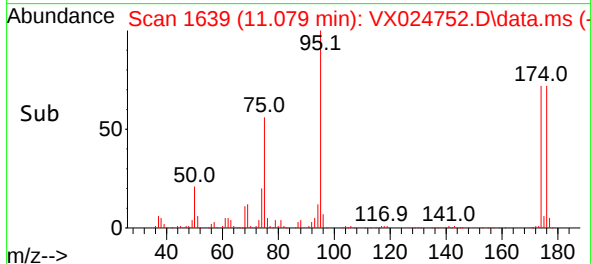
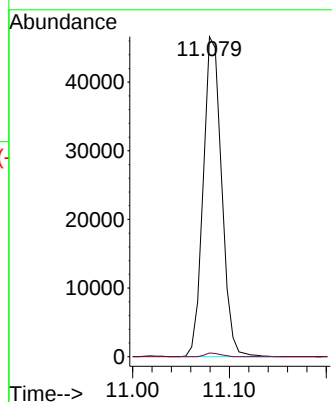
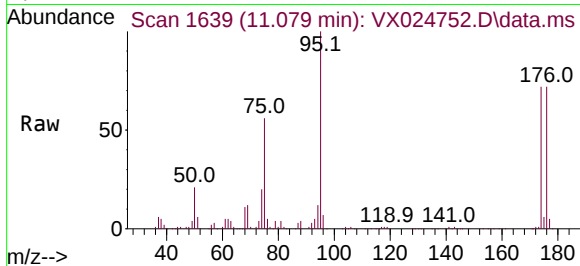




#76
1,2,3-Trichloropropane
Concen: 25.637 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 61921
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.862 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX024752.D
Acq: 12 Oct 2021 08:28

Tgt Ion: 75 Resp: 61921
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

