

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032796.D
 Acq On : 14 Nov 2022 15:50
 Operator : JC/MD
 Sample : N5572-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31910

Quant Time: Nov 15 05:08:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

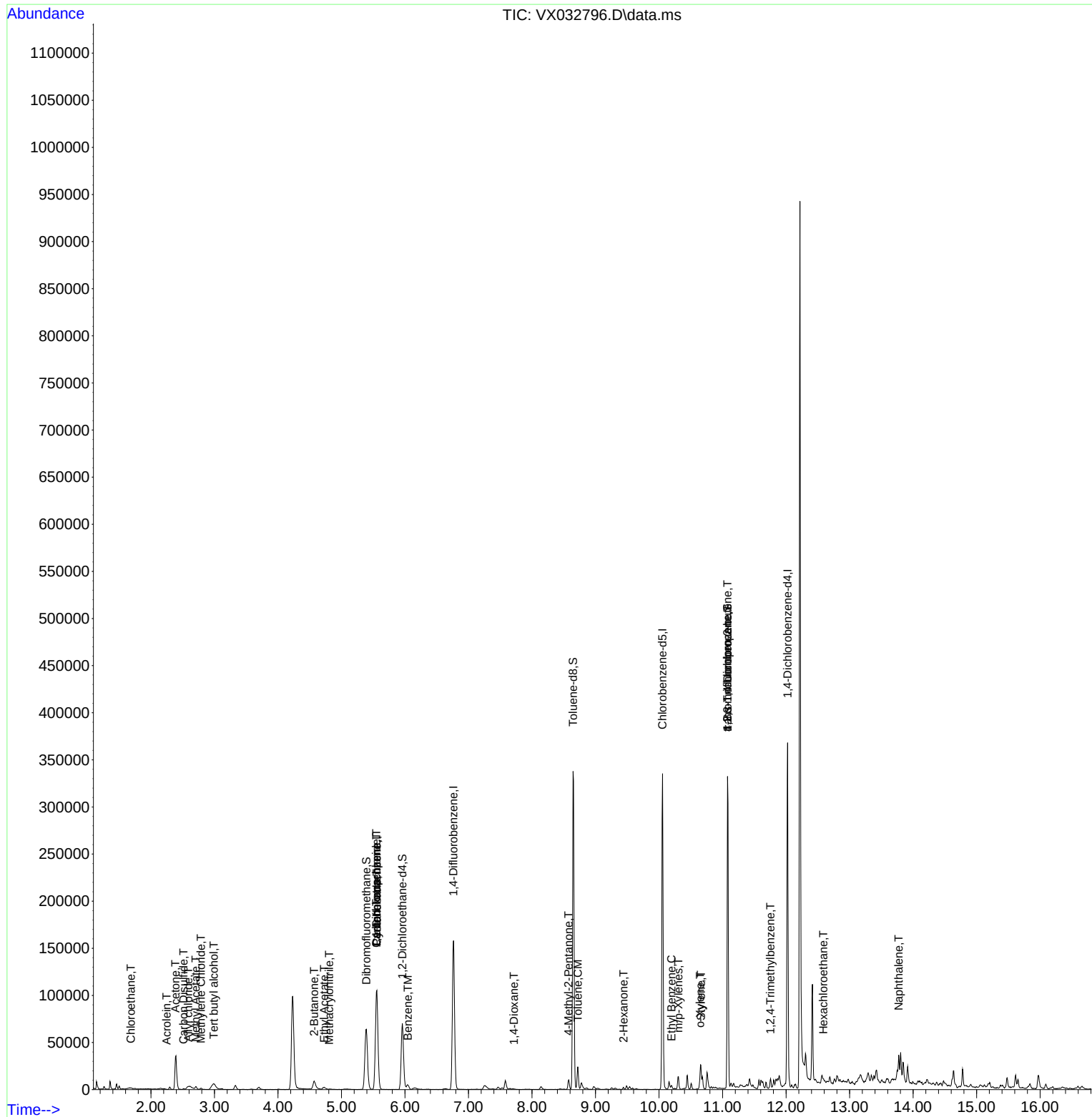
Internal Standards						
1) Pentafluorobenzene	5.556	168	99845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	163156	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69826	50.331	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.660%			
35) Dibromofluoromethane	5.391	113	55991	48.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.220%			
50) Toluene-d8	8.646	98	202886	50.135	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.260%			
62) 4-Bromofluorobenzene	11.079	95	80967	51.220	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.440%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.684	64	200	0.278	ug/l #	42
11) Tert butyl alcohol	2.989	59	12911	63.940	ug/l #	83
13) Acrolein	2.245	56	167	0.828	ug/l #	46
14) Allyl chloride	2.587	41	708	0.444	ug/l #	76
16) Acetone	2.385	43	44722	88.694	ug/l	96
17) Carbon Disulfide	2.513	76	1112	0.466	ug/l #	93
18) Methyl Acetate	2.702	43	3837	2.340	ug/l	92
20) Methylene Chloride	2.788	84	408	0.353	ug/l #	62
25) 2-Butanone	4.568	43	14868	19.033	ug/l	94
31) Cyclohexane	5.556	56	2069	1.230	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	7800	4.813	ug/l #	49
37) Ethyl Acetate	4.726	43	3976	2.357	ug/l #	94
38) Carbon Tetrachloride	5.549	117	10302	5.731	ug/l #	14
40) Benzene	6.043	78	5801	1.265	ug/l	95
41) Methacrylonitrile	4.806	41	179	0.208	ug/l #	26
49) 1,4-Dioxane	7.714	88	595	23.339	ug/l #	69
51) 4-Methyl-2-Pentanone	8.573	43	6593	4.041	ug/l	93
52) Toluene	8.720	92	8384	2.802	ug/l	95
59) 2-Hexanone	9.439	43	1329	1.098	ug/l	90
67) Ethyl Benzene	10.195	91	2442	0.412	ug/l	96
68) m/p-Xylenes	10.305	106	3164	1.376	ug/l	100
69) o-Xylene	10.646	106	1491	0.667	ug/l	100
70) Styrene	10.658	104	9502	2.558	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	44242	27.289	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	44242	86.835	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	3600	0.733	ug/l	95
90) Hexachloroethane	12.585	117	478	0.582	ug/l #	12
95) Naphthalene	13.774	128	15243	2.664	ug/l	98

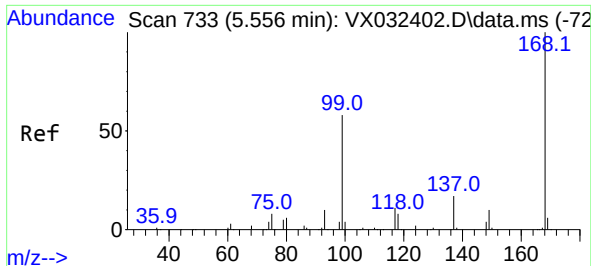
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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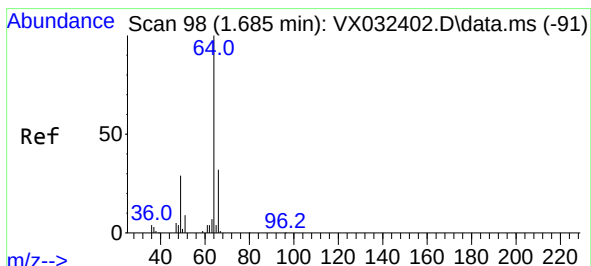
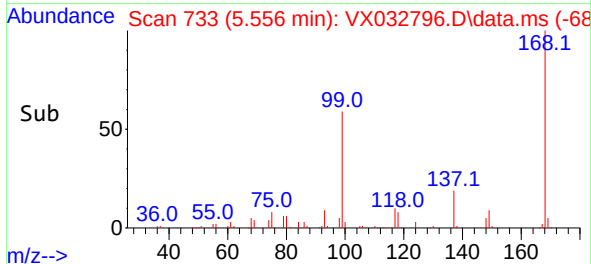
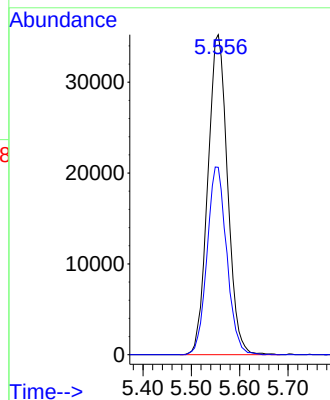
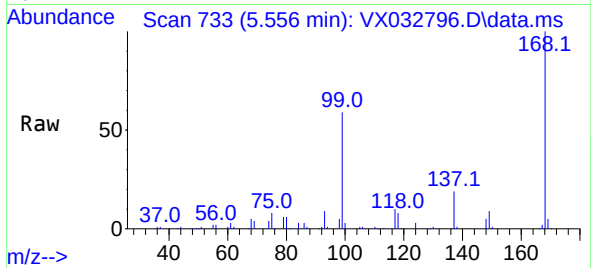




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

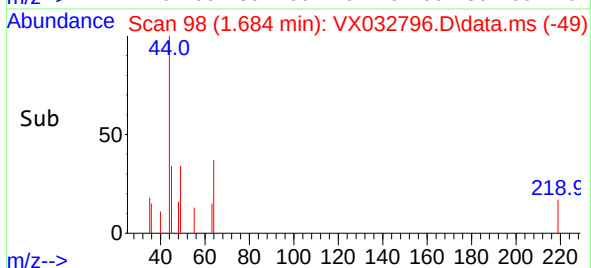
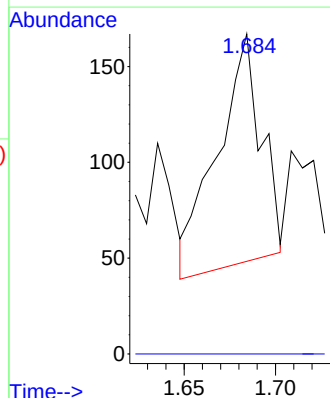
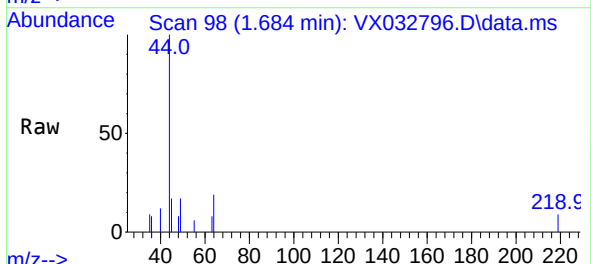
Instrument :
MSVOA_X
ClientSampleId :
31910

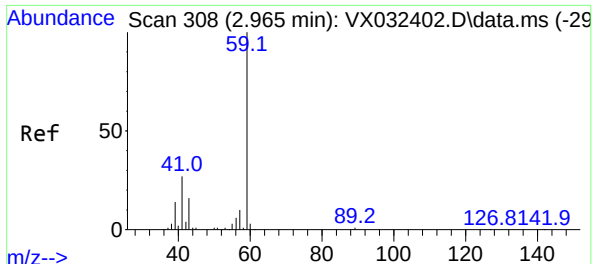
Tgt Ion:168 Resp: 99845
Ion Ratio Lower Upper
168 100
99 58.6 46.1 69.1



#6
Chloroethane
Concen: 0.278 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 64 Resp: 200
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 63.940 ug/l

RT: 2.989 min Scan# 312

Delta R.T. 0.024 min

Lab File: VX032796.D

Acq: 14 Nov 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

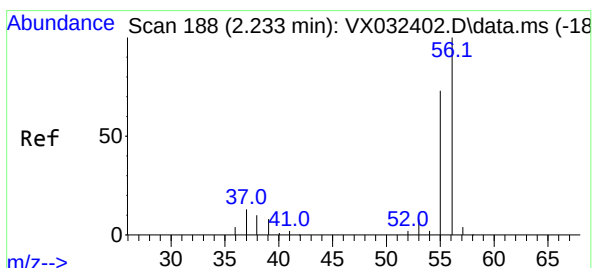
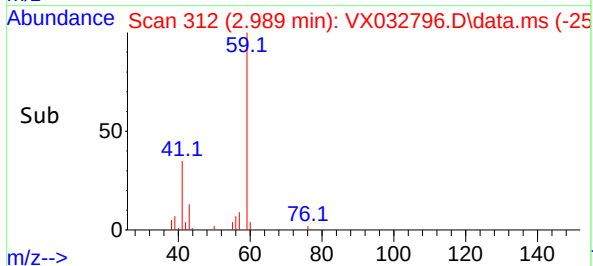
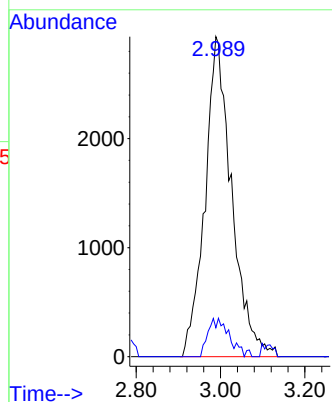
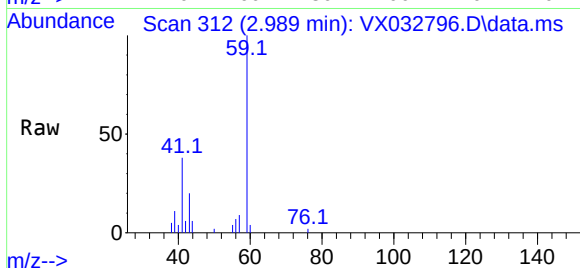
31910

Tgt Ion: 59 Resp: 12911

Ion Ratio Lower Upper

59 100

57 3.9 8.2 12.4#



#13

Acrolein

Concen: 0.828 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX032796.D

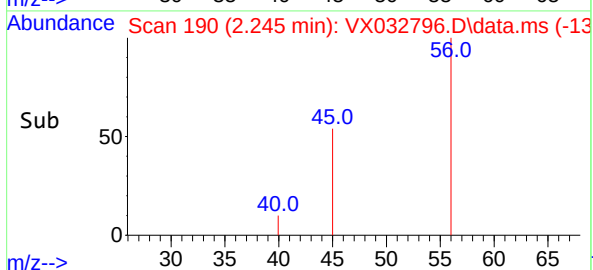
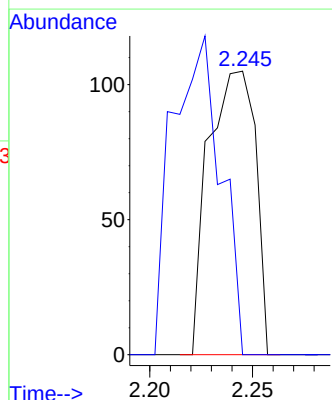
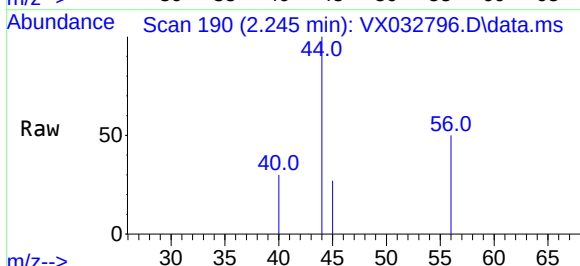
Acq: 14 Nov 2022 15:50

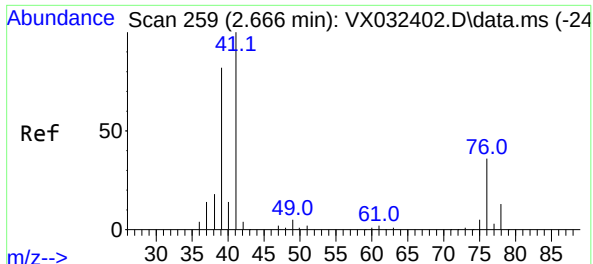
Tgt Ion: 56 Resp: 167

Ion Ratio Lower Upper

56 100

55 115.6 56.9 85.3#





#14

Allyl chloride

Concen: 0.444 ug/l

RT: 2.587 min Scan# 24

Delta R.T. -0.080 min

Lab File: VX032796.D

Acq: 14 Nov 2022 15:50

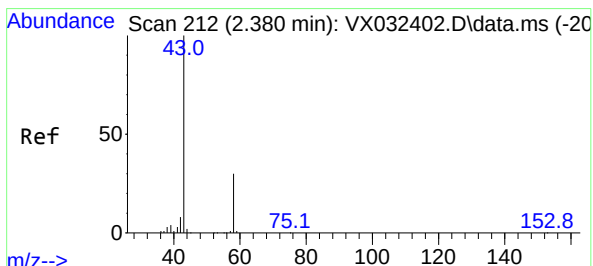
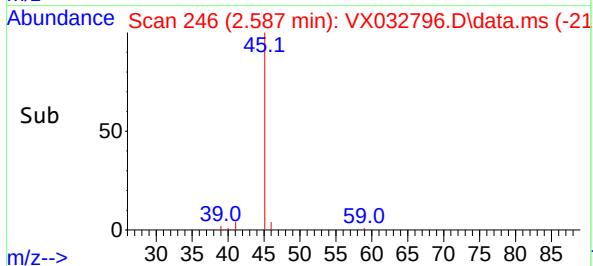
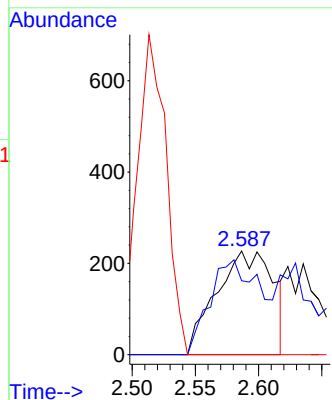
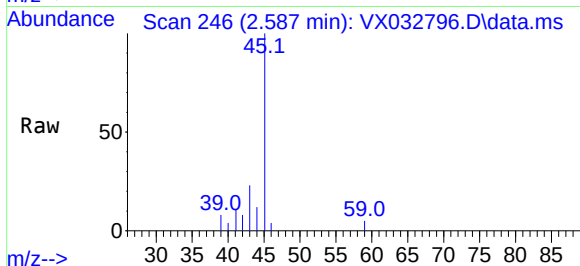
Instrument :

MSVOA_X

ClientSampleId :

31910

Tgt Ion: 41	Resp: 708
Ion Ratio	Lower Upper
41	100
39	81.6 61.4 92.2
76	0.0 29.2 43.8



#16

Acetone

Concen: 88.694 ug/l

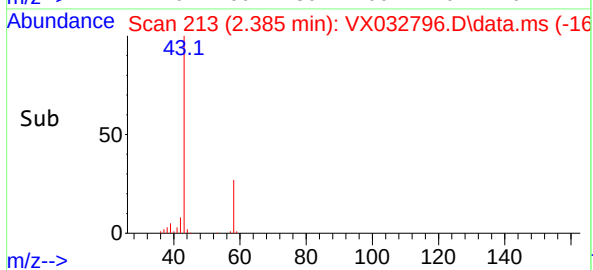
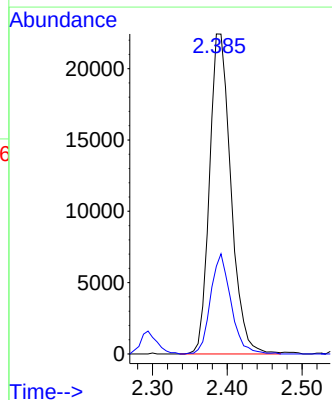
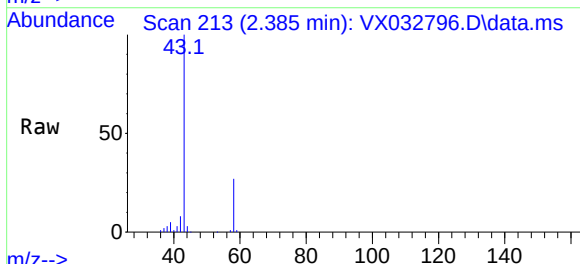
RT: 2.385 min Scan# 213

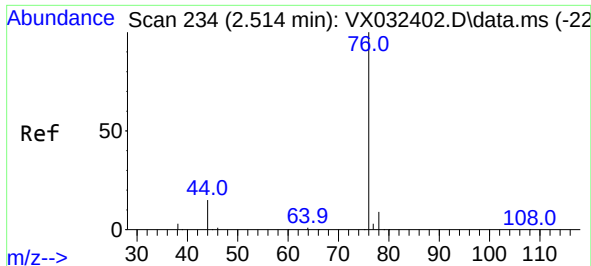
Delta R.T. 0.006 min

Lab File: VX032796.D

Acq: 14 Nov 2022 15:50

Tgt Ion: 43	Resp: 44722
Ion Ratio	Lower Upper
43	100
58	27.4 23.8 35.8

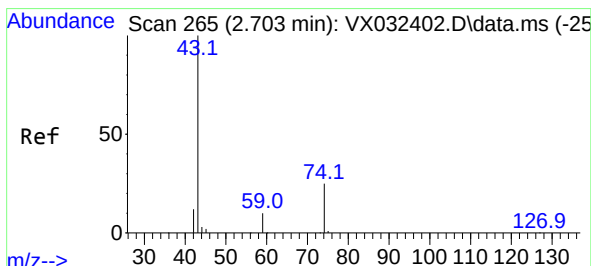
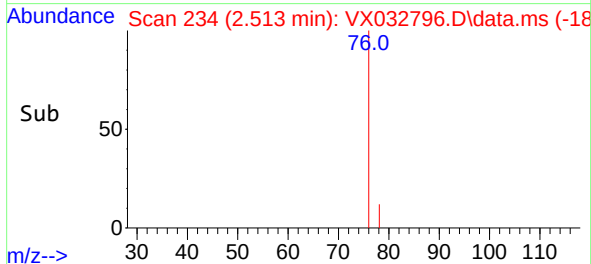
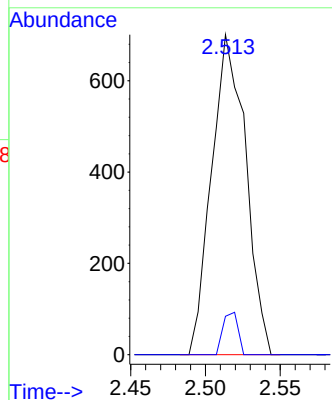
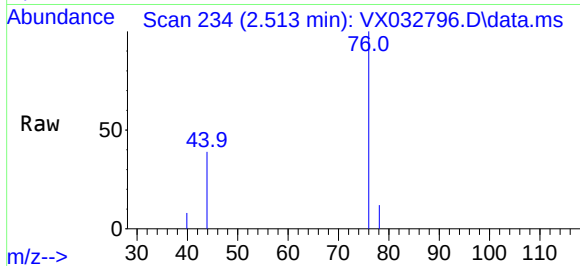




#17
Carbon Disulfide
Concen: 0.466 ug/l
RT: 2.513 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

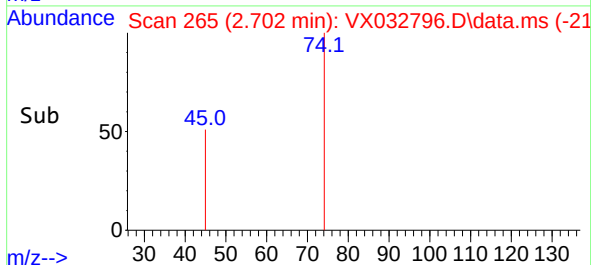
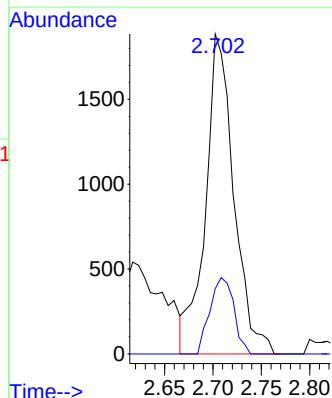
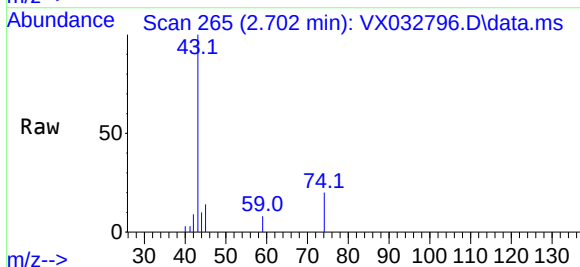
Instrument :
MSVOA_X
ClientSampleId :
31910

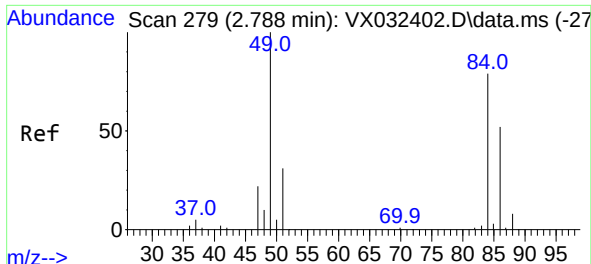
Tgt Ion: 76 Resp: 1112
Ion Ratio Lower Upper
76 100
78 12.0 7.5 11.3#



#18
Methyl Acetate
Concen: 2.340 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 43 Resp: 3837
Ion Ratio Lower Upper
43 100
74 20.1 19.4 29.0



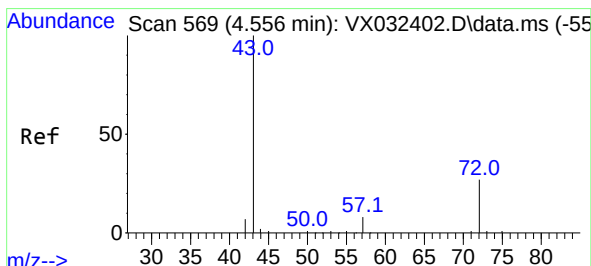
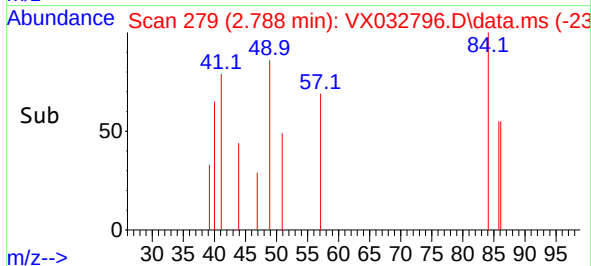
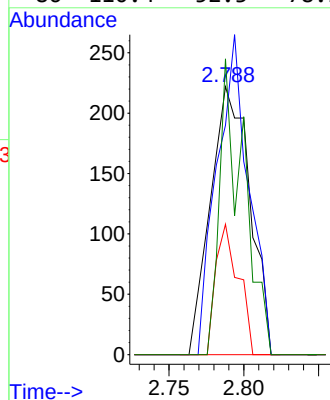
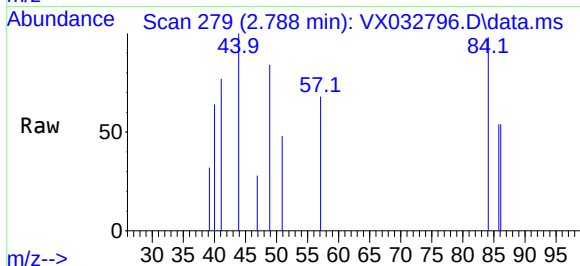


#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Instrument :
MSVOA_X
ClientSampleId :
31910

Tgt Ion: 84 Resp: 408

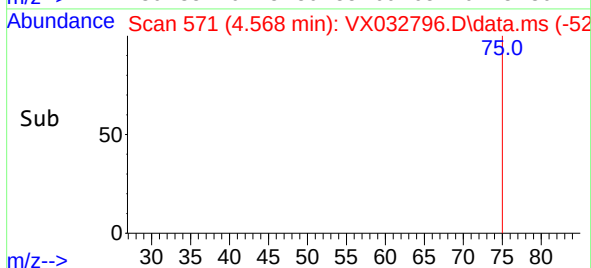
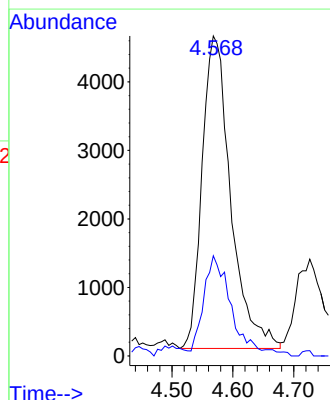
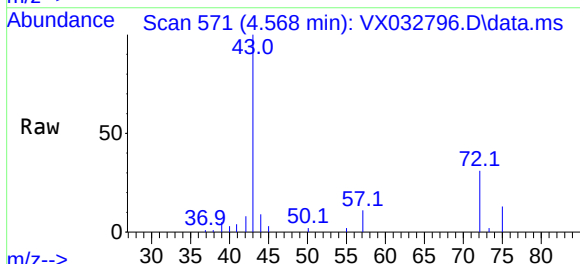
Ion	Ratio	Lower	Upper
84	100		
49	85.6	101.0	151.6#
51	48.6	31.1	46.7#
86	110.4	52.3	78.5#

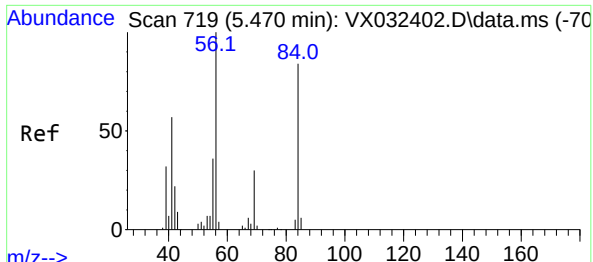


#25
2-Butanone
Concen: 19.033 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 43 Resp: 14868

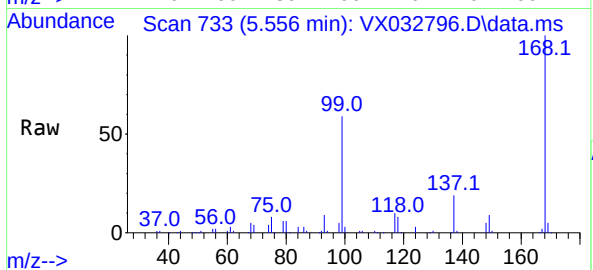
Ion	Ratio	Lower	Upper
43	100		
72	30.8	22.2	33.2



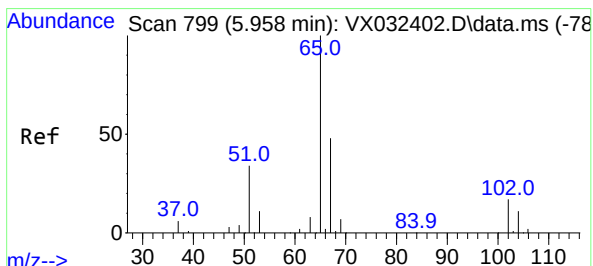
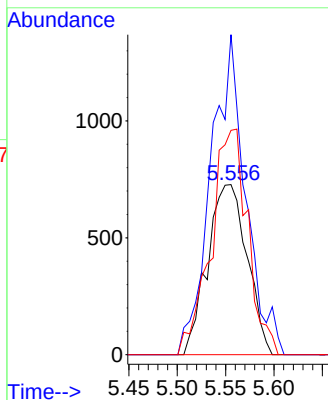
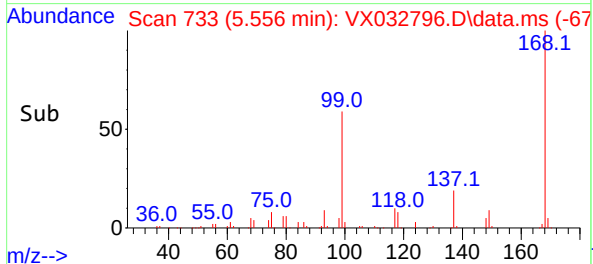


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Instrument :
MSVOA_X
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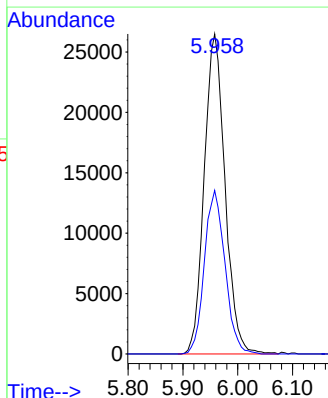
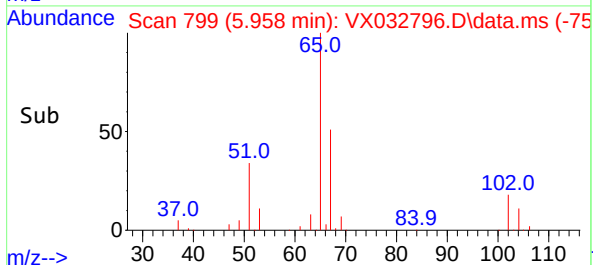
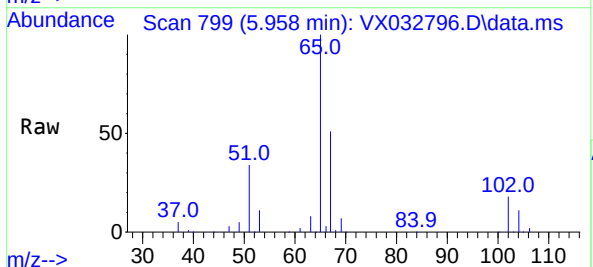


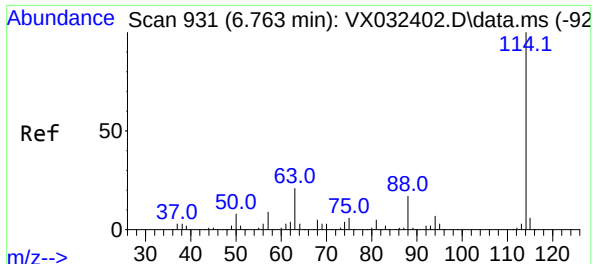
Tgt Ion: 56 Resp: 2069
Ion Ratio Lower Upper
56 100
69 188.0 24.1 36.1#
84 131.9 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.331 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 65 Resp: 69826
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.8

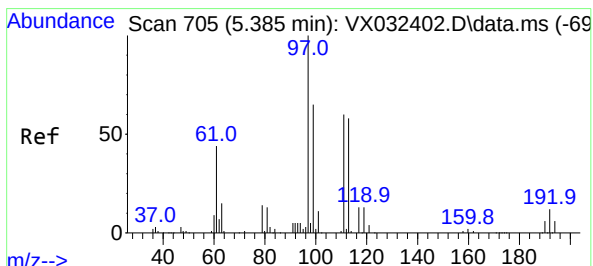
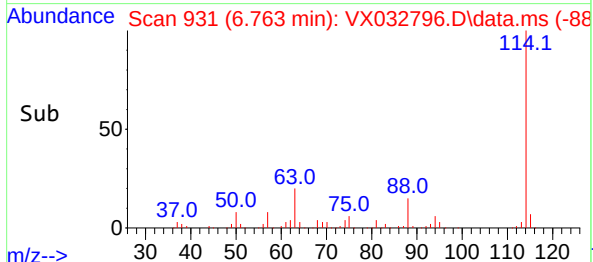
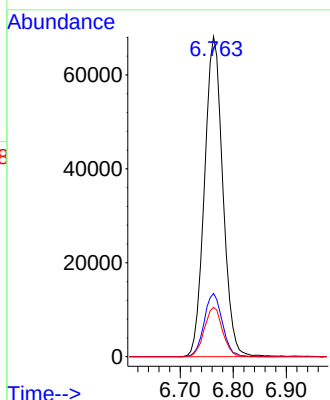
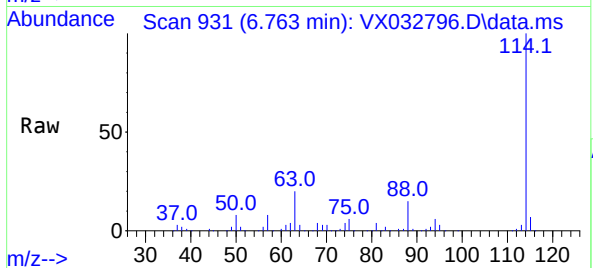




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

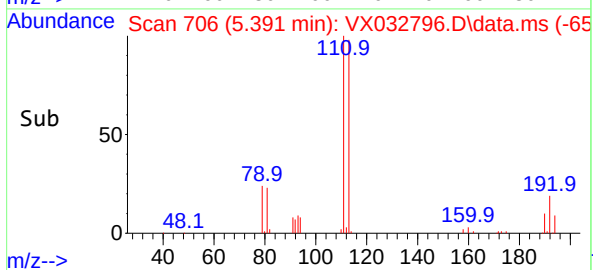
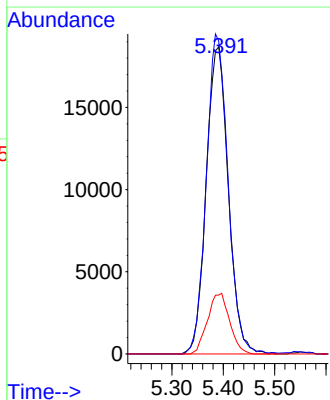
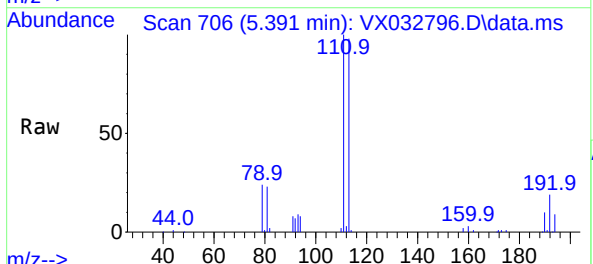
Instrument :
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ClientSampleId :
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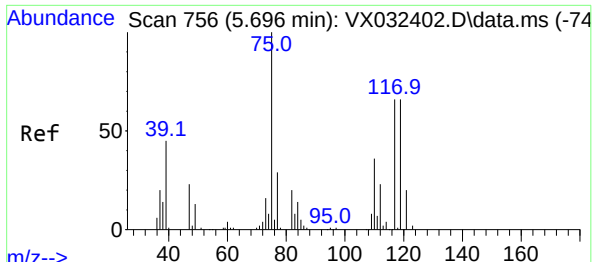
Tgt Ion:114 Resp: 163156
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.6
88 15.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.110 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion:113 Resp: 55991
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 19.7 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.147 min

Lab File: VX032796.D

Acq: 14 Nov 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

31910

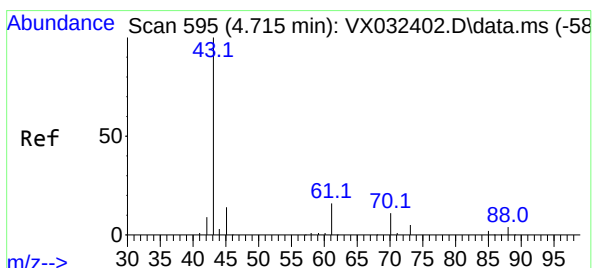
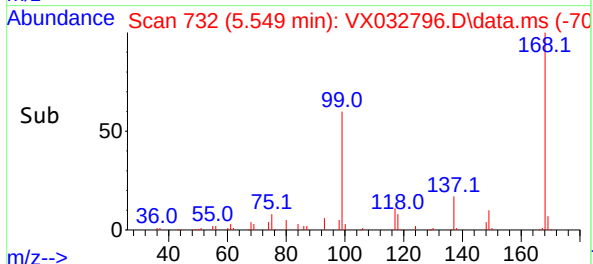
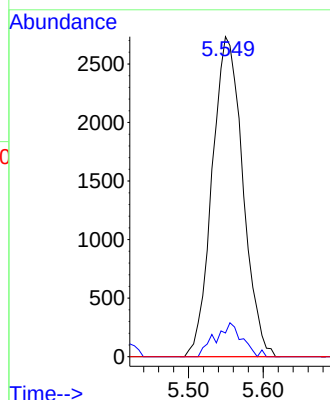
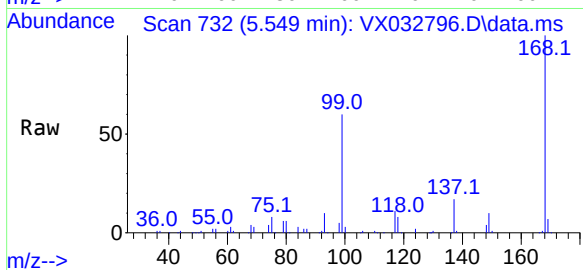
Tgt Ion: 75 Resp: 7800

Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 2.357 ug/l

RT: 4.726 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX032796.D

Acq: 14 Nov 2022 15:50

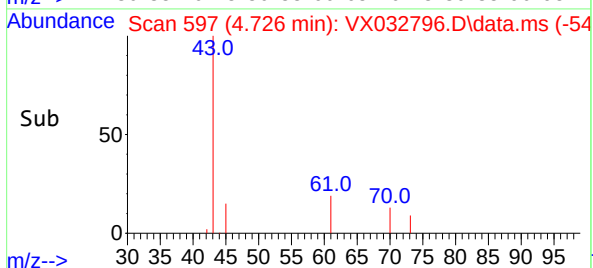
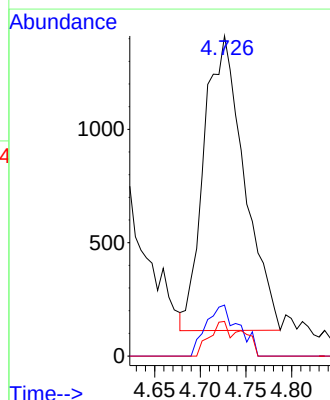
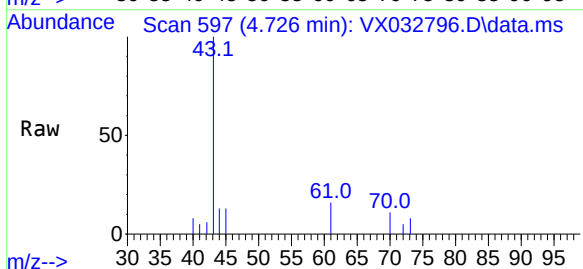
Tgt Ion: 43 Resp: 3976

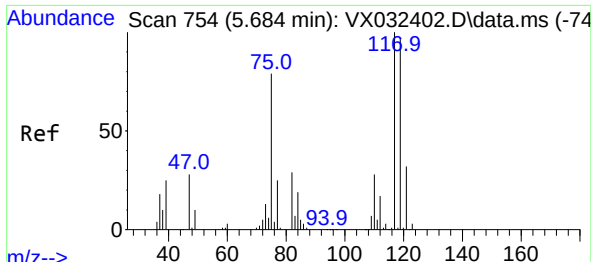
Ion Ratio Lower Upper

43 100

61 14.1 11.5 17.3

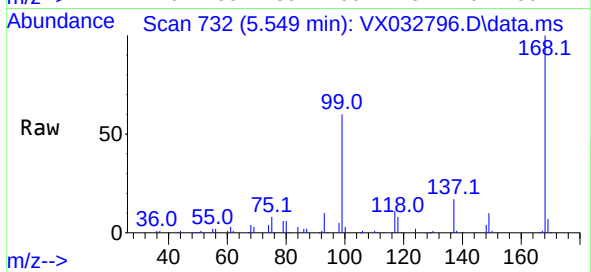
70 6.7 9.1 13.7#



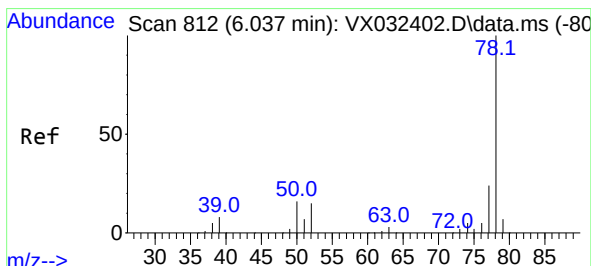
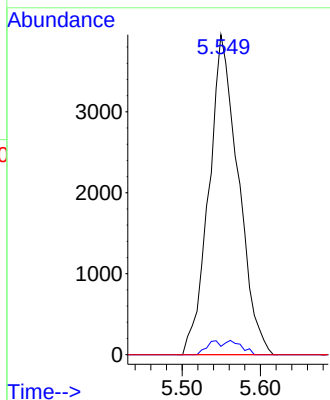
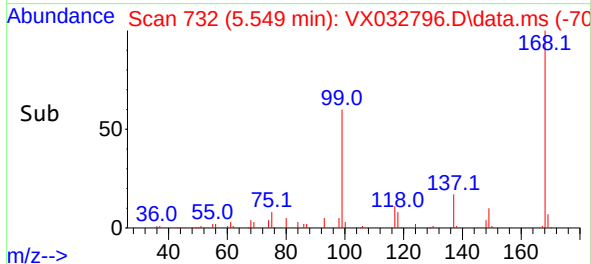


#38
Carbon Tetrachloride
Concen: 5.731 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Instrument :
MSVOA_X
ClientSampleId :
31910

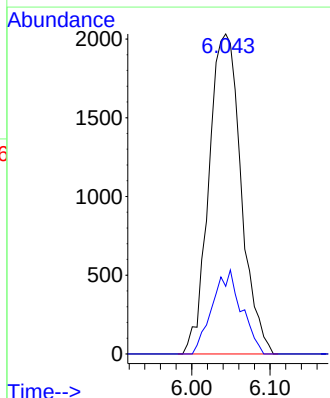
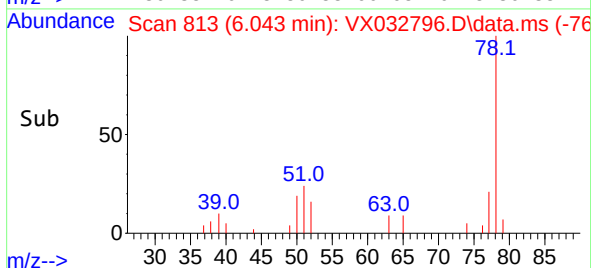
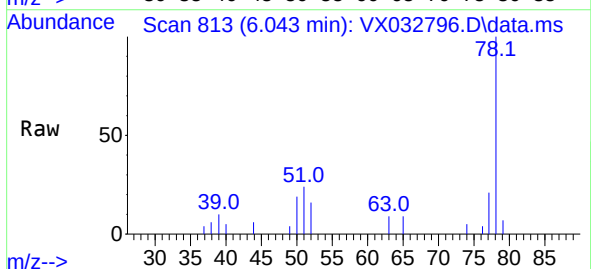


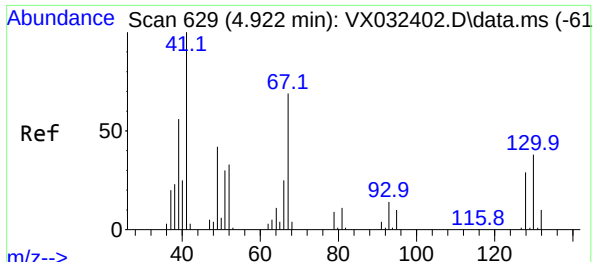
Tgt Ion:117 Resp: 10302
Ion Ratio Lower Upper
117 100
119 2.6 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 1.265 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 78 Resp: 5801
Ion Ratio Lower Upper
78 100
77 21.2 19.0 28.4



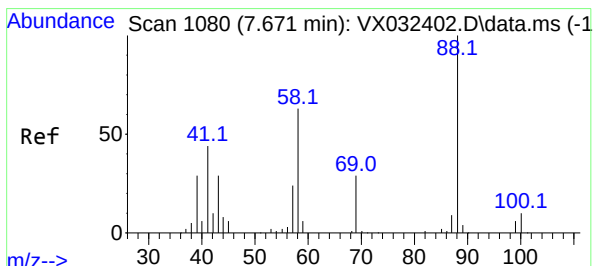
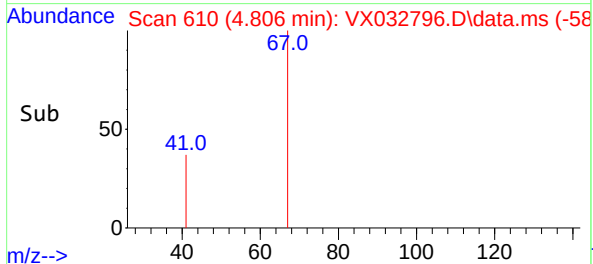
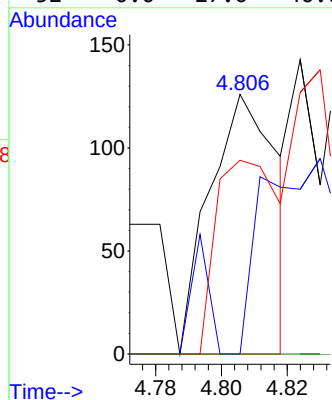
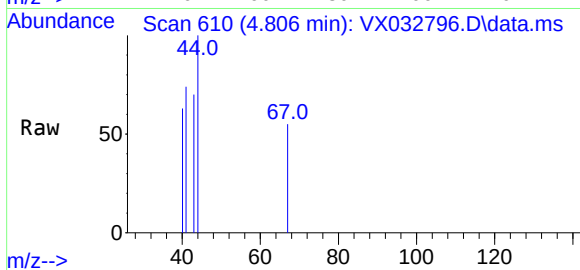


#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 4.806 min Scan# 61
Delta R.T. -0.116 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Instrument :
MSVOA_X
ClientSampleId :
31910

Tgt Ion: 41 Resp: 179

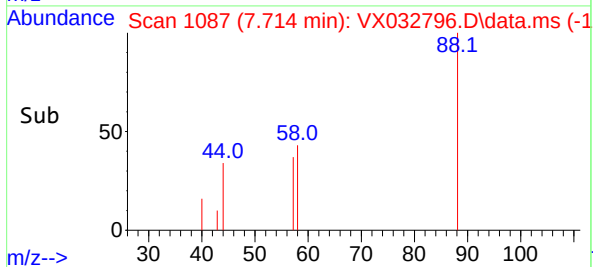
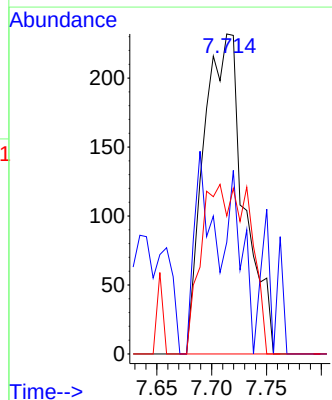
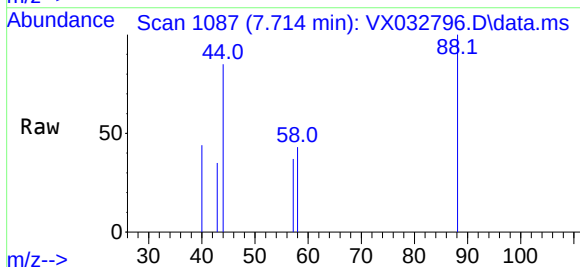
Ion	Ratio	Lower	Upper
41	100		
39	11.7	47.5	71.3#
67	0.0	60.5	90.7#
52	0.0	27.0	40.6#

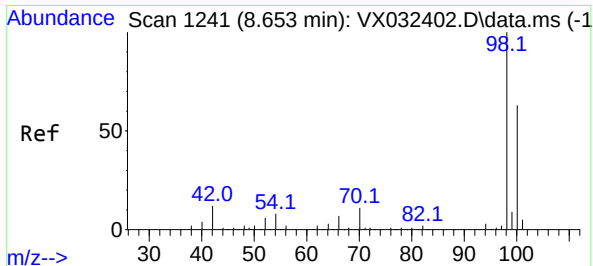


#49
1,4-Dioxane
Concen: 23.339 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.042 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 88 Resp: 595

Ion	Ratio	Lower	Upper
88	100		
43	22.5	26.6	39.8#
58	35.0	51.7	77.5#





#50

Toluene-d8

Concen: 50.135 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032796.D

Acq: 14 Nov 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

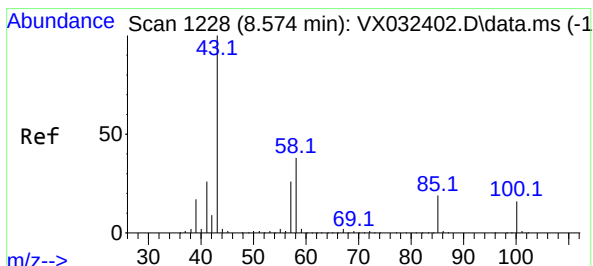
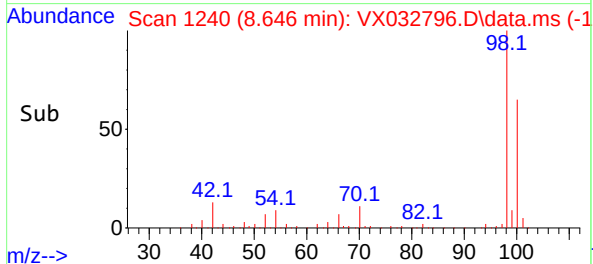
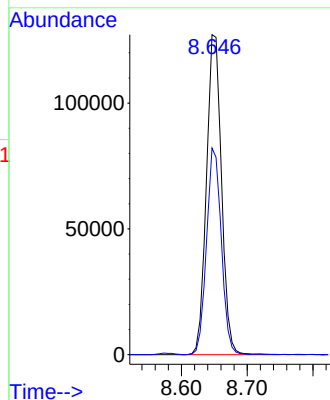
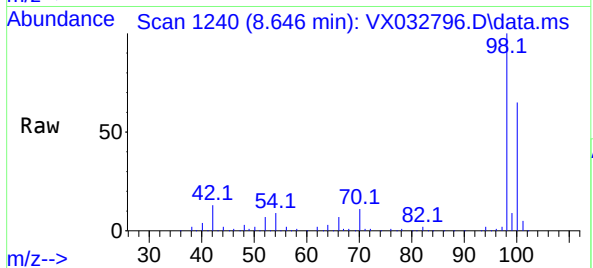
31910

Tgt Ion: 98 Resp: 202886

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 4.041 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX032796.D

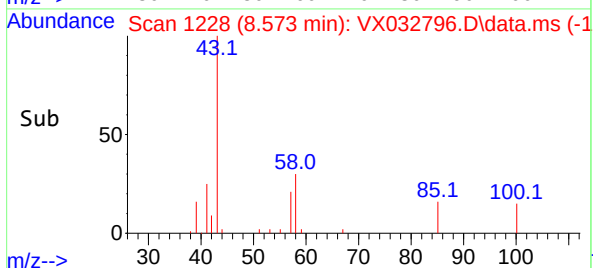
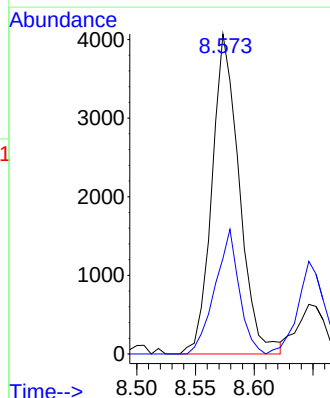
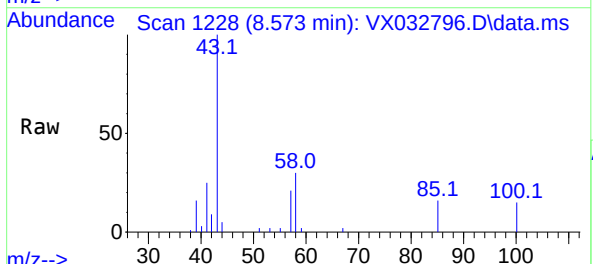
Acq: 14 Nov 2022 15:50

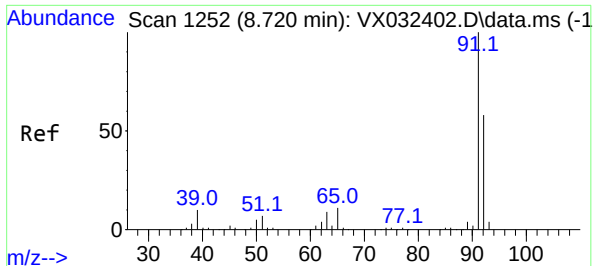
Tgt Ion: 43 Resp: 6593

Ion Ratio Lower Upper

43 100

58 34.5 30.9 46.3

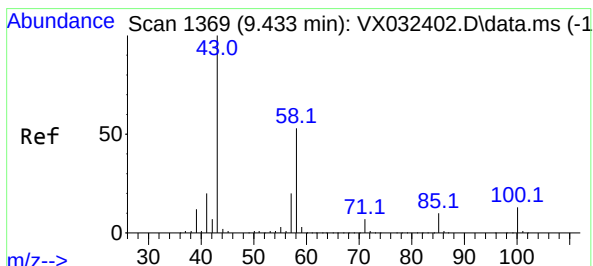
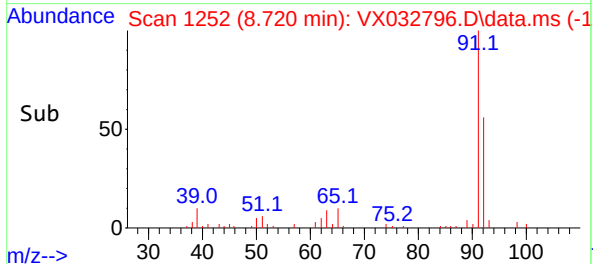
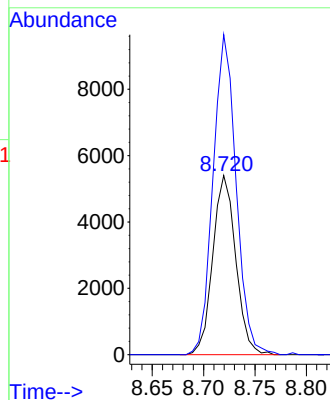
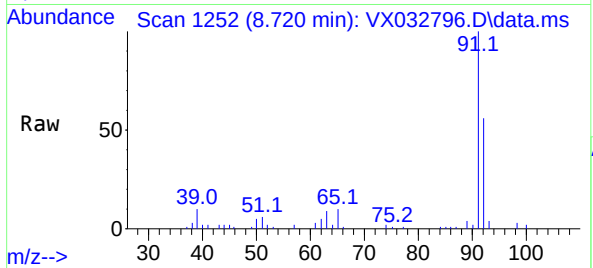




#52
Toluene
Concen: 2.802 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

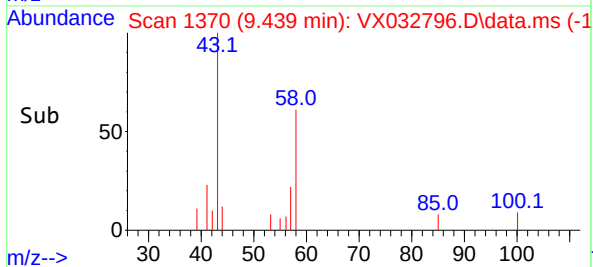
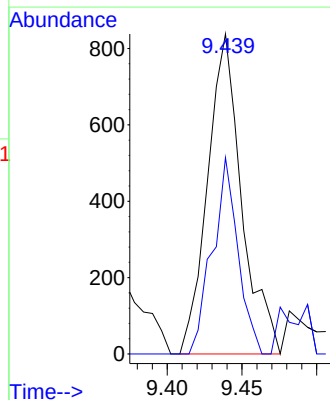
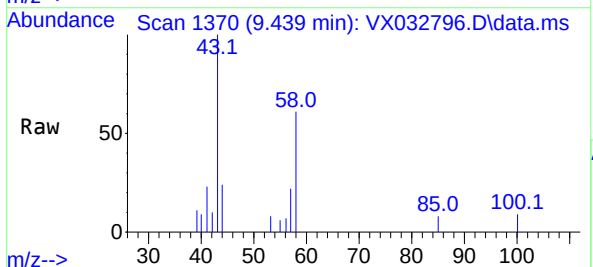
Instrument :
MSVOA_X
ClientSampleId :
31910

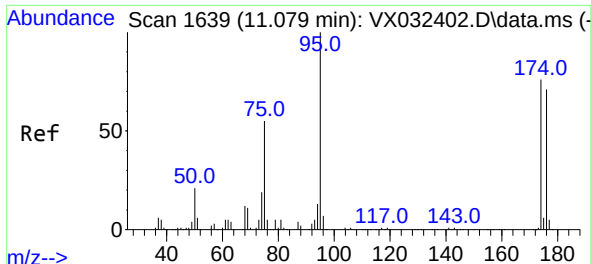
Tgt Ion: 92 Resp: 8384
Ion Ratio Lower Upper
92 100
91 179.5 138.3 207.5



#59
2-Hexanone
Concen: 1.098 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
58 45.9 26.5 79.5

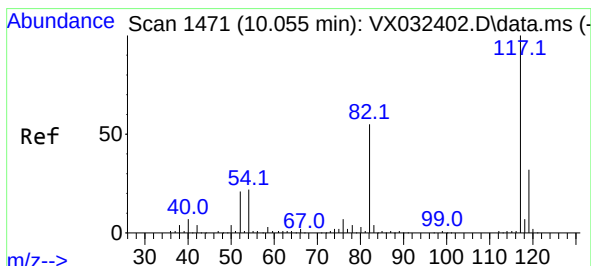
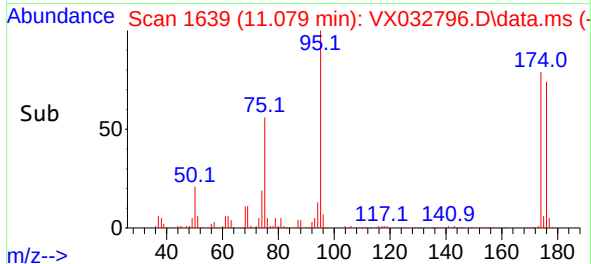
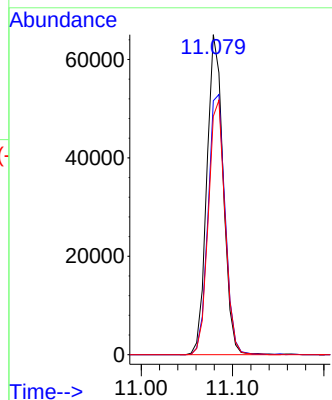
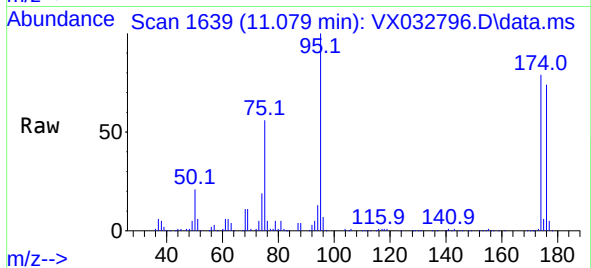




#62
4-Bromofluorobenzene
Concen: 51.220 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

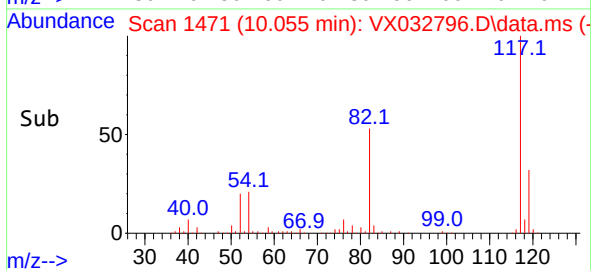
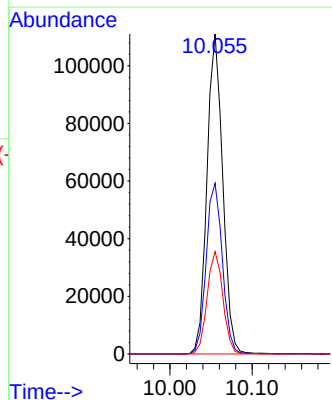
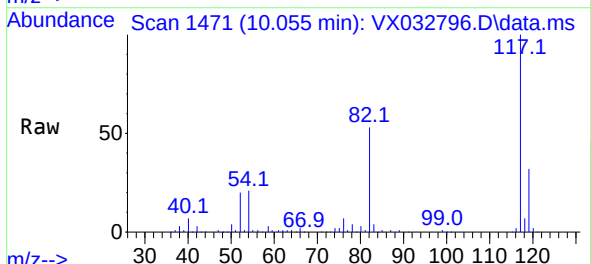
Instrument :
MSVOA_X
ClientSampleId :
31910

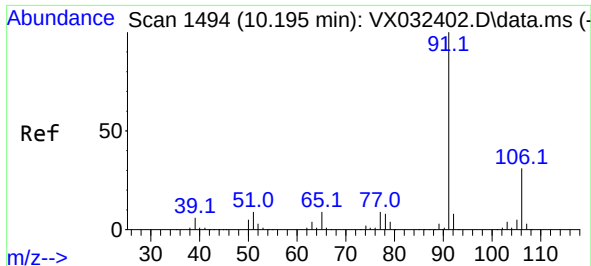
Tgt Ion: 95 Resp: 80967
Ion Ratio Lower Upper
95 100
174 84.7 0.0 164.0
176 80.9 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 117 Resp: 147815
Ion Ratio Lower Upper
117 100
82 53.3 44.3 66.5
119 32.0 25.7 38.5

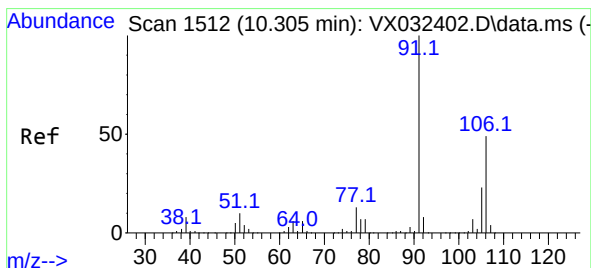
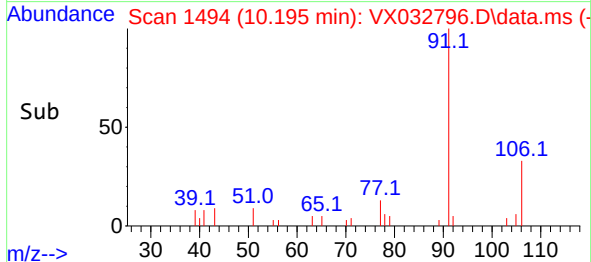
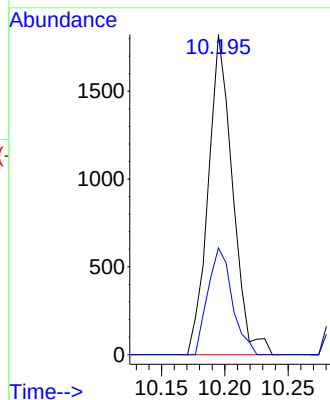
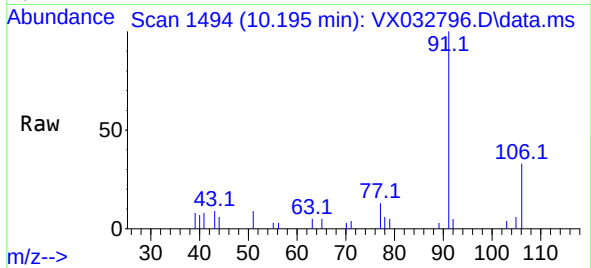




#67
Ethyl Benzene
Concen: 0.412 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

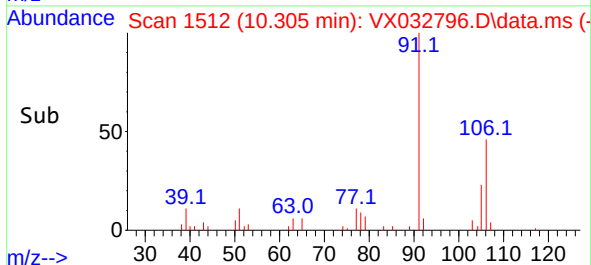
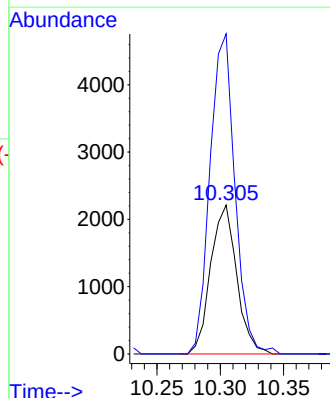
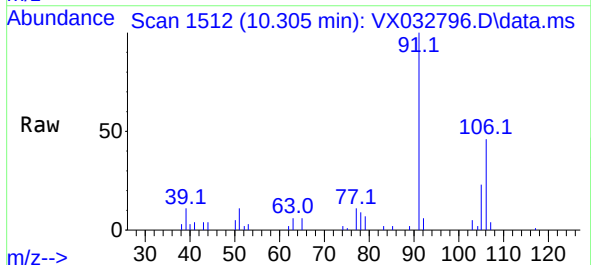
Instrument :
MSVOA_X
ClientSampleId :
31910

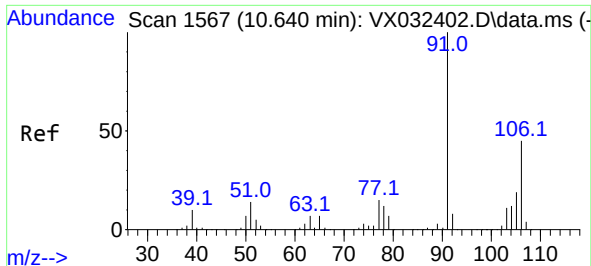
Tgt Ion: 91 Resp: 2442
Ion Ratio Lower Upper
91 100
106 33.3 25.0 37.6



#68
m/p-Xylenes
Concen: 1.376 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 106 Resp: 3164
Ion Ratio Lower Upper
106 100
91 206.3 164.5 246.7

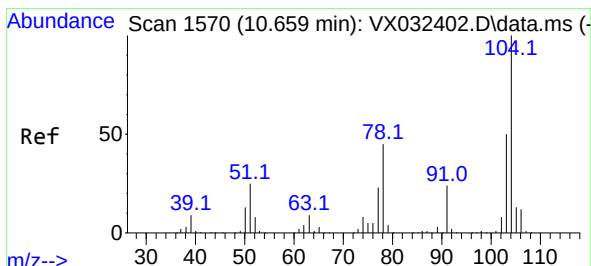
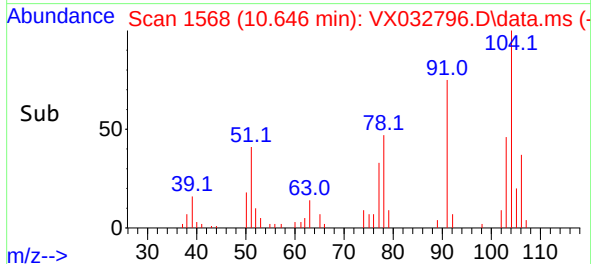
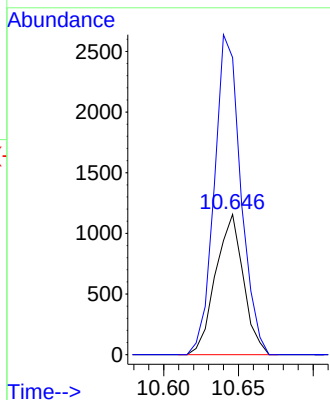
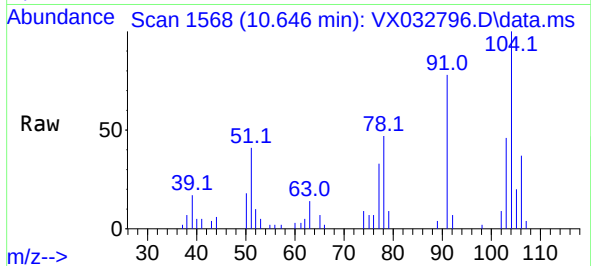




#69
o-Xylene
Concen: 0.667 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

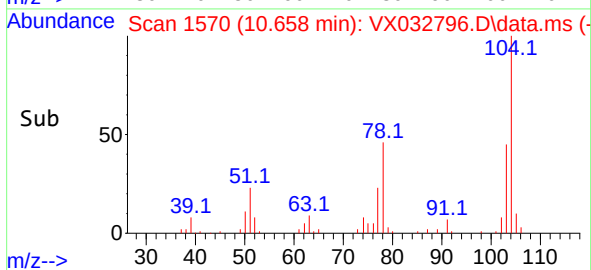
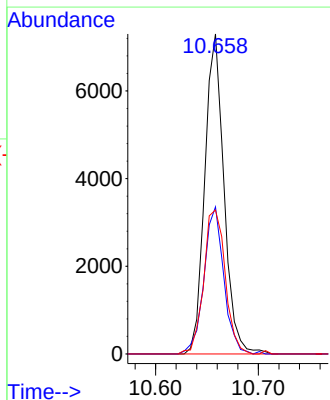
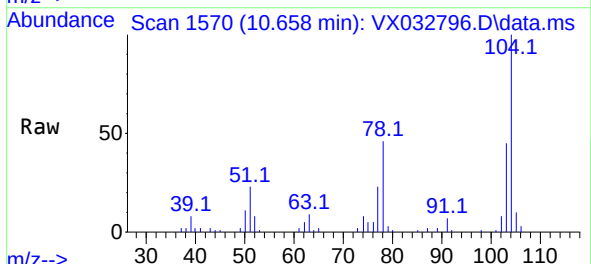
Instrument :
MSVOA_X
ClientSampleId :
31910

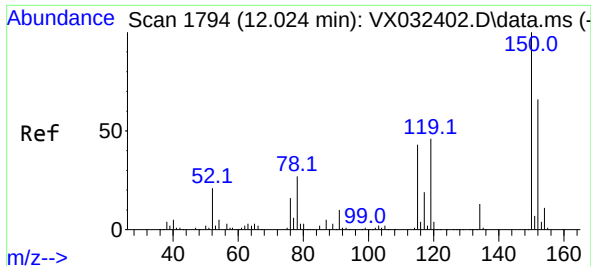
Tgt Ion:106 Resp: 1491
Ion Ratio Lower Upper
106 100
91 218.0 109.2 327.6



#70
Styrene
Concen: 2.558 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

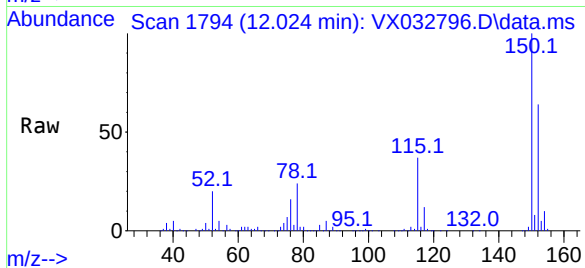
Tgt Ion:104 Resp: 9502
Ion Ratio Lower Upper
104 100
78 47.6 41.8 62.8
103 50.4 44.5 66.7



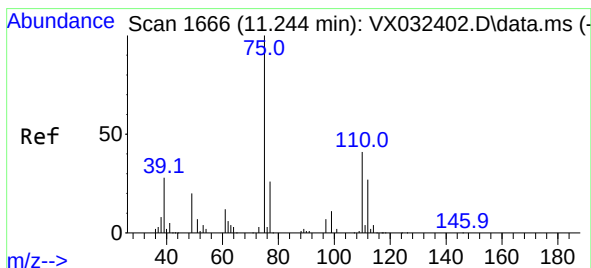
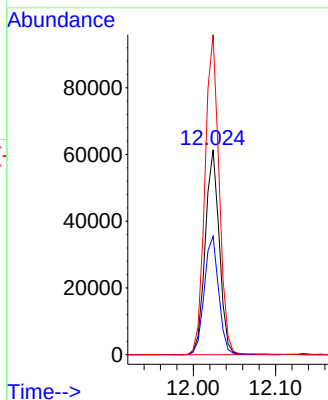
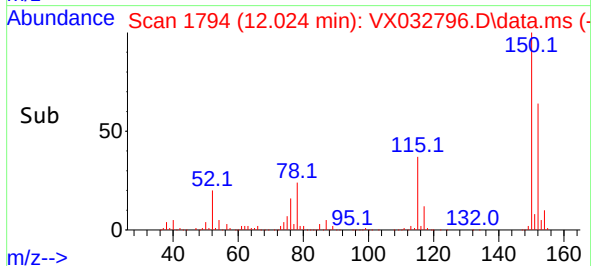


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Instrument :
MSVOA_X
ClientSampleId :
31910

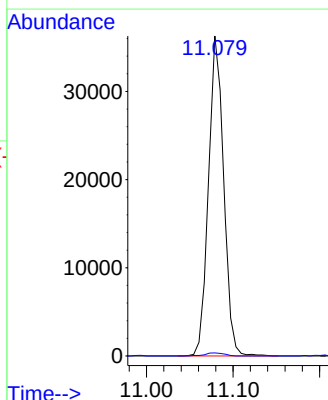
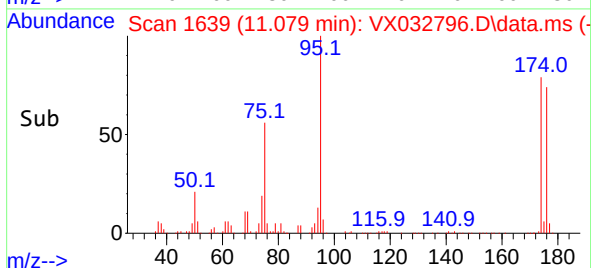
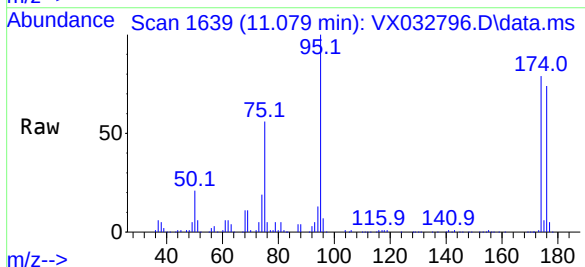


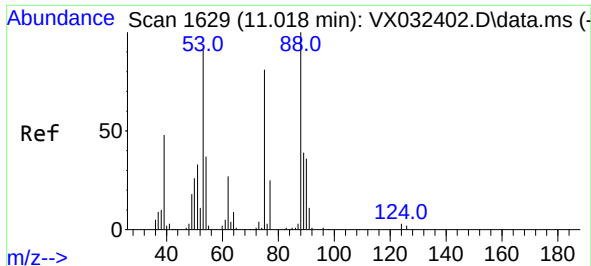
Tgt Ion:152 Resp: 72872
Ion Ratio Lower Upper
152 100
115 59.1 44.0 132.0
150 157.3 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.289 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion: 75 Resp: 44242
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#

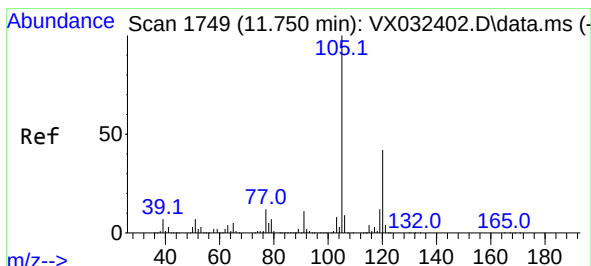
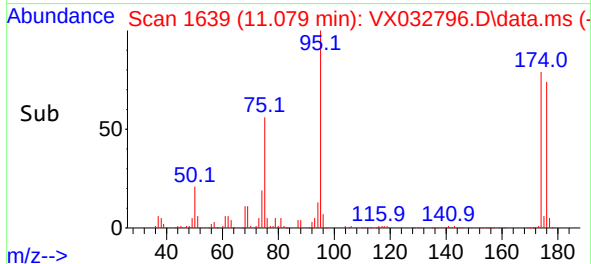
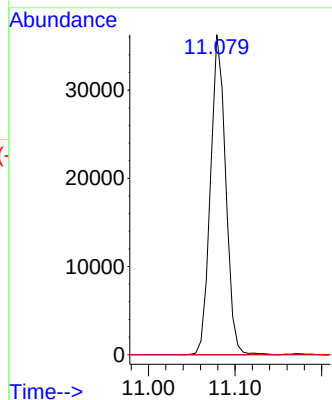
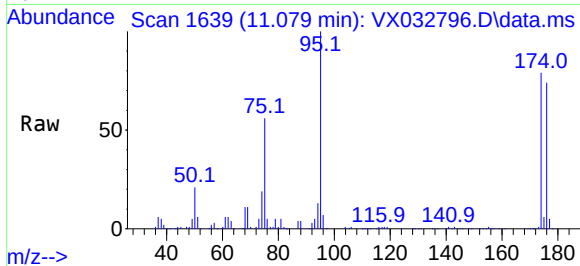




#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.835 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX032796.D
 Acq: 14 Nov 2022 15:50

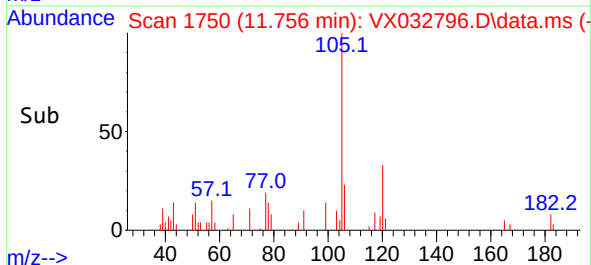
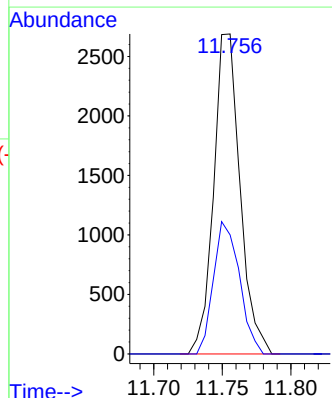
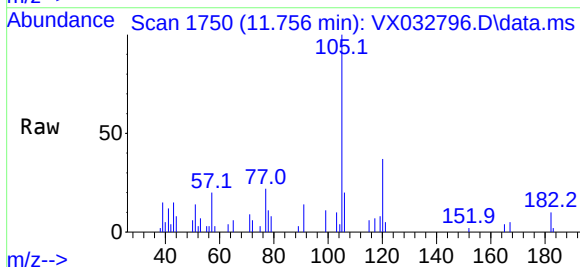
Instrument :
 MSVOA_X
 ClientSampleId :
 31910

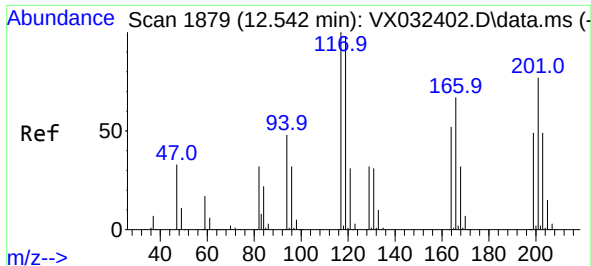
Tgt Ion: 75 Resp: 44242
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.733 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX032796.D
 Acq: 14 Nov 2022 15:50

Tgt Ion: 105 Resp: 3600
 Ion Ratio Lower Upper
 105 100
 120 40.6 21.9 65.5

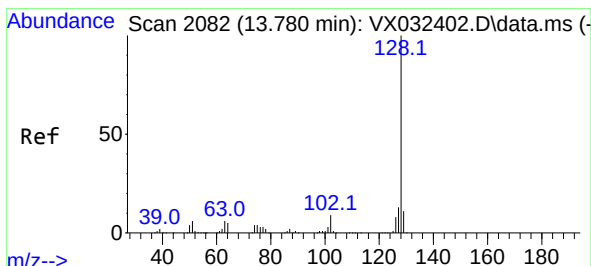
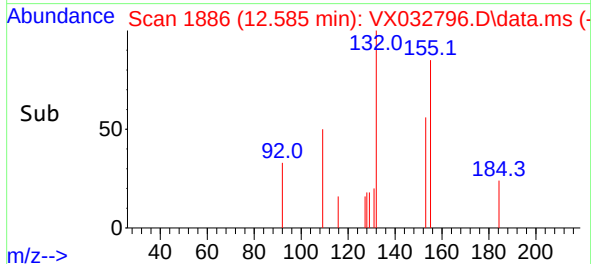
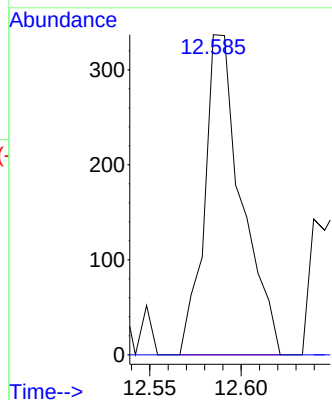
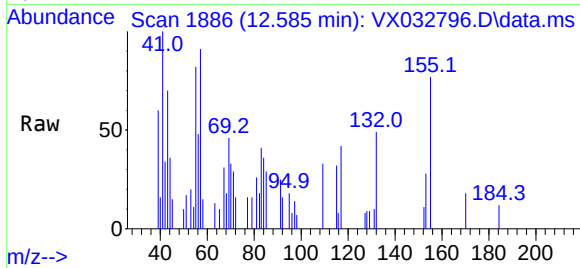




#90
Hexachloroethane
Concen: 0.582 ug/l
RT: 12.585 min Scan# 117
Delta R.T. 0.042 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Instrument :
MSVOA_X
ClientSampleId :
31910

Tgt Ion:117 Resp: 478
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#95
Naphthalene
Concen: 2.664 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032796.D
Acq: 14 Nov 2022 15:50

Tgt Ion:128 Resp: 15243
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 11.9 8.9 13.3

