

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
 Data File : VX028983.D
 Acq On : 26 May 2022 05:02
 Operator : JC/MD
 Sample : N3024-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31794

Quant Time: May 26 05:57:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

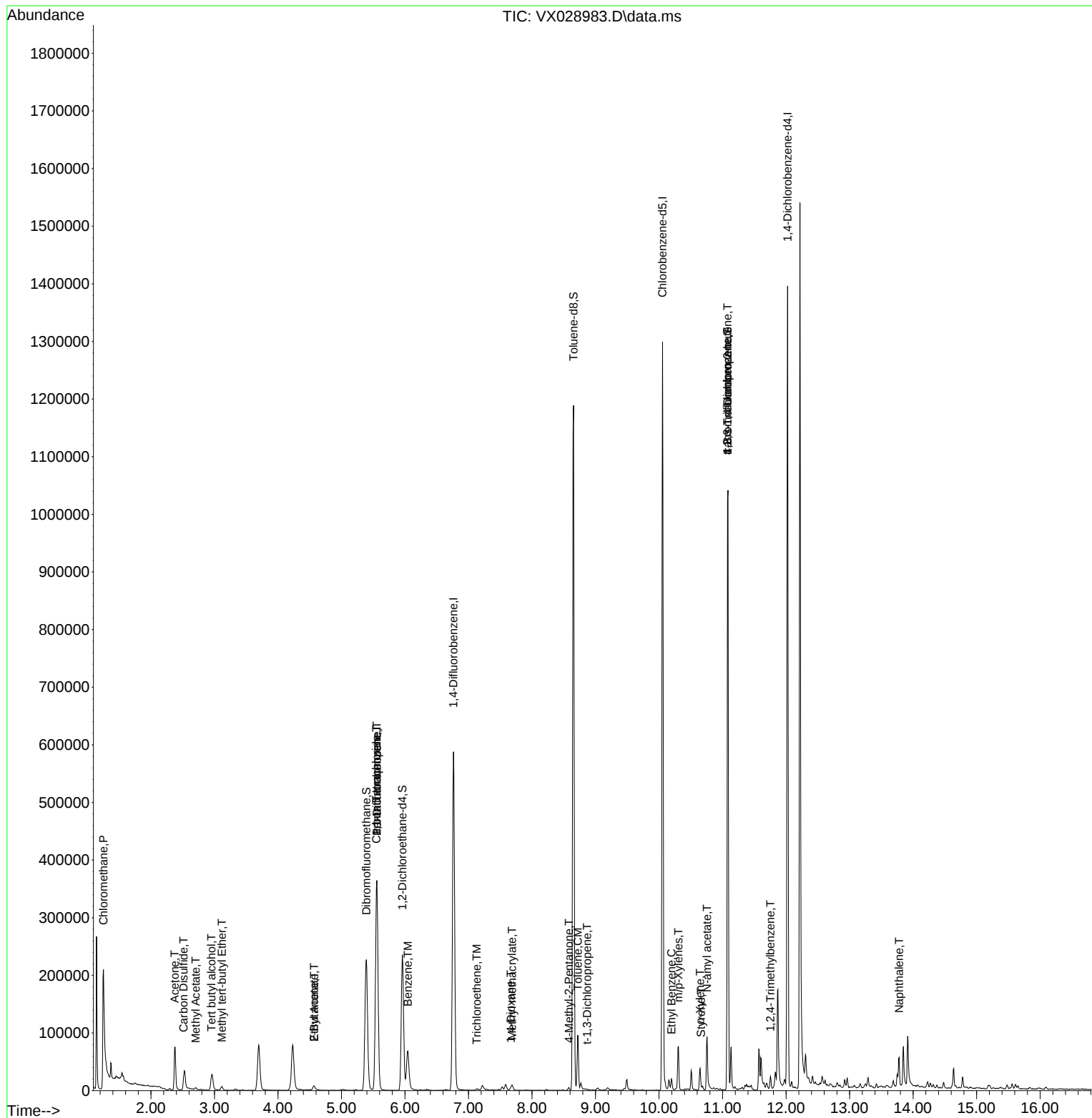
Internal Standards						
1) Pentafluorobenzene	5.556	168	348446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	616166	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	593698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	284749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	229481	48.045	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.080%		
35) Dibromofluoromethane	5.391	113	204602	50.681	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.360%		
50) Toluene-d8	8.653	98	732087	48.099	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.200%		
62) 4-Bromofluorobenzene	11.079	95	294532	51.809	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	5527	1.286	ug/l #	42
5) Bromomethane	1.611	94	928	Below Cal		81
6) Chloroethane	1.880	64	608	Below Cal	#	52
11) Tert butyl alcohol	2.953	59	19520	11.650	ug/l	97
16) Acetone	2.373	43	79715	38.887	ug/l	93
17) Carbon Disulfide	2.514	76	27034	2.892	ug/l #	95
18) Methyl Acetate	2.703	43	3240	0.631	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	6355	0.497	ug/l	97
25) 2-Butanone	4.568	43	14348	4.459	ug/l	98
36) 1,1-Dichloropropene	5.556	75	26411	4.356	ug/l #	49
37) Ethyl Acetate	4.568	43	14348	2.266	ug/l #	65
38) Carbon Tetrachloride	5.550	117	35519	5.821	ug/l #	15
40) Benzene	6.043	78	85243	4.892	ug/l	100
44) Trichloroethene	7.129	130	1061	0.224	ug/l	65
48) Methyl methacrylate	7.683	41	3915	0.818	ug/l #	27
49) 1,4-Dioxane	7.665	88	2373	19.846	ug/l #	76
51) 4-Methyl-2-Pentanone	8.580	43	2730	0.418	ug/l	97
52) Toluene	8.720	92	35817	3.195	ug/l	99
53) t-1,3-Dichloropropene	8.866	75	257	1.677	ug/l #	43
67) Ethyl Benzene	10.195	91	10615	0.470	ug/l	97
68) m/p-Xylenes	10.305	106	18730	2.131	ug/l	96
69) o-Xylene	10.646	106	7827	0.905	ug/l	95
70) Styrene	10.658	104	3295	0.234	ug/l #	61
74) N-amyl acetate	10.756	43	15908	1.874	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	144210	21.625	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	144210	63.390	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	9224	0.511	ug/l	96
95) Naphthalene	13.780	128	30069	1.486	ug/l	98

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

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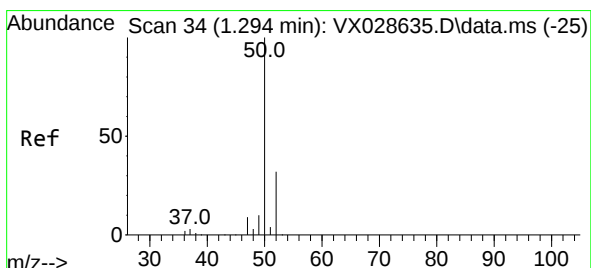
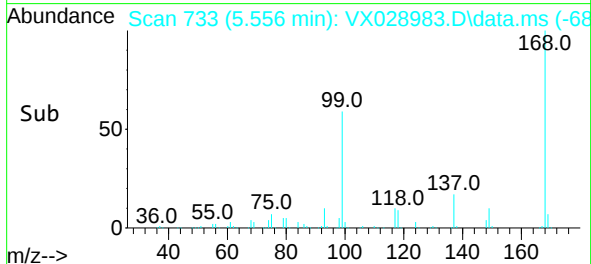
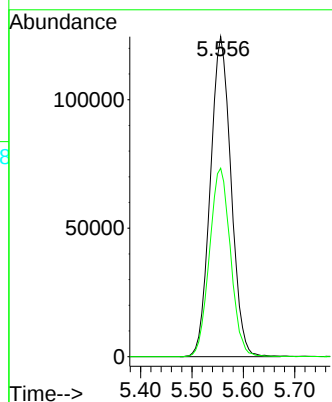
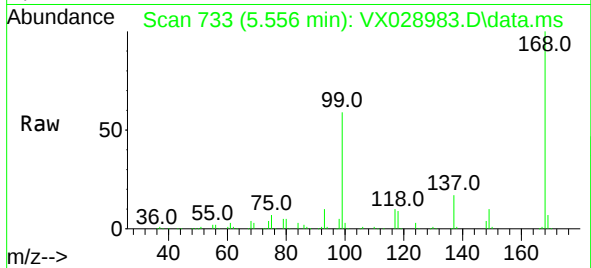




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

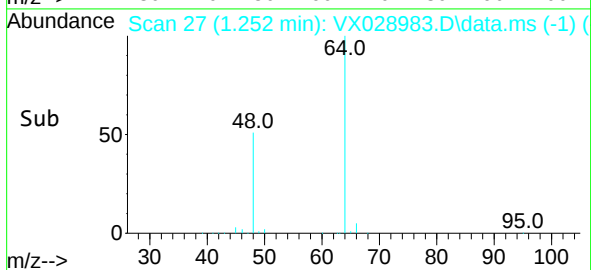
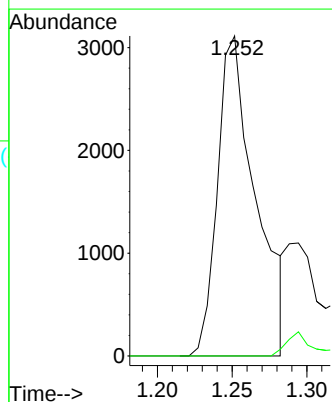
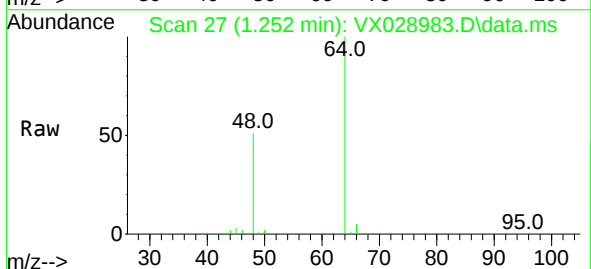
Instrument :
MSVOA_X
ClientSampleId :
31794

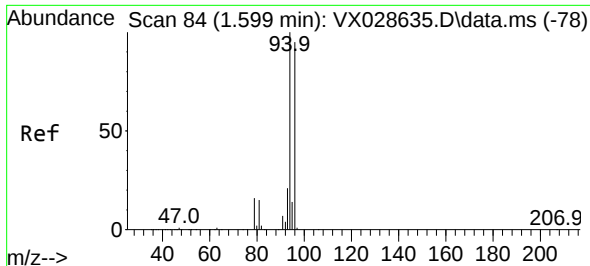
Tgt Ion:168 Resp: 348446
Ion Ratio Lower Upper
168 100
99 58.9 41.7 62.5



#3
Chloromethane
Concen: 1.286 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 50 Resp: 5527
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

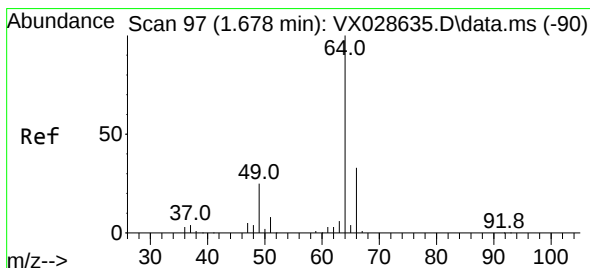
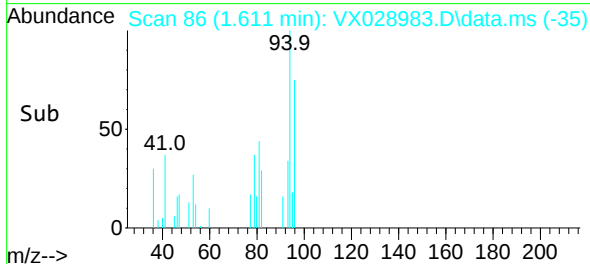
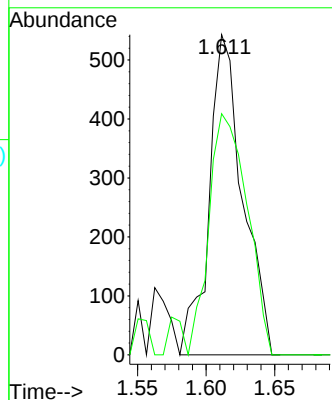
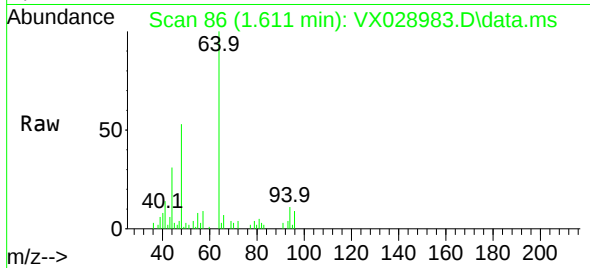




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

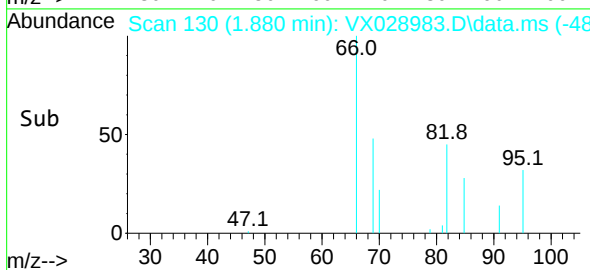
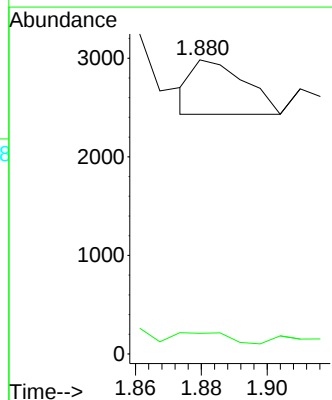
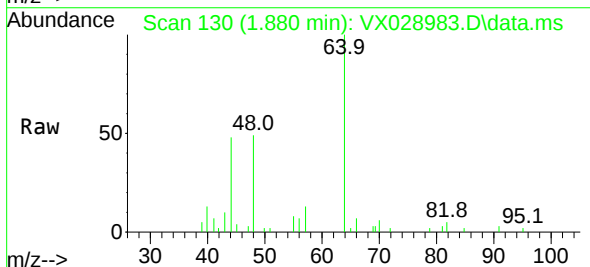
Instrument :
MSVOA_X
ClientSampleId :
31794

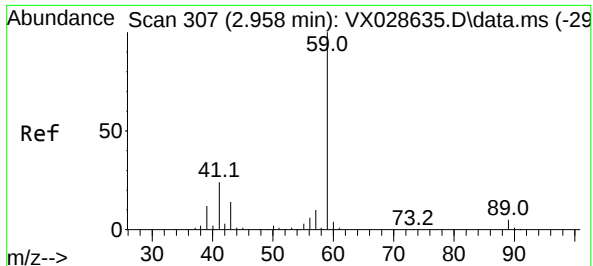
Tgt Ion: 94 Resp: 928
Ion Ratio Lower Upper
94 100
96 75.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.880 min Scan# 130
Delta R.T. 0.202 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 64 Resp: 608
Ion Ratio Lower Upper
64 100
66 4.7 25.3 37.9#

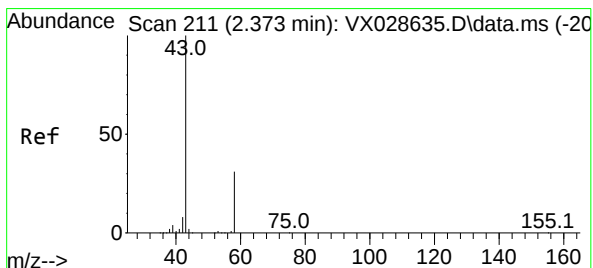
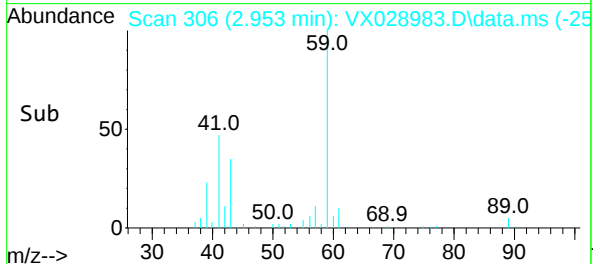
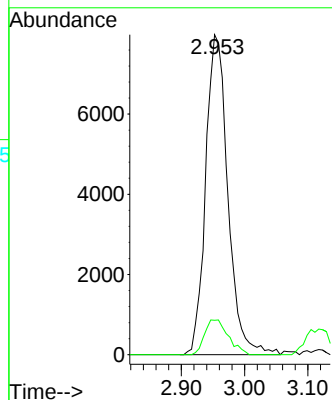
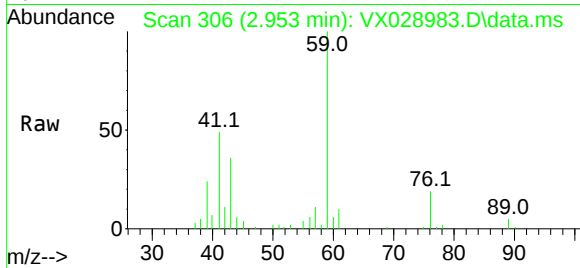




#11
Tert butyl alcohol
Concen: 11.650 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.005 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

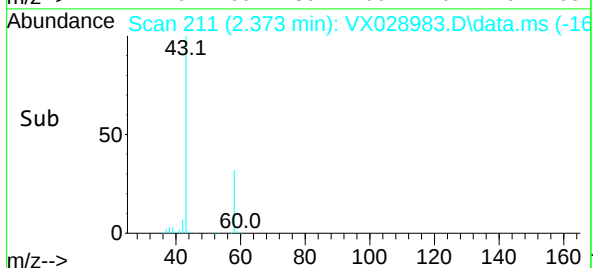
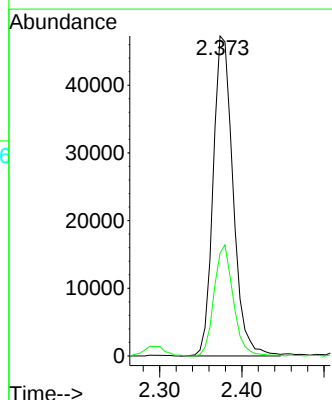
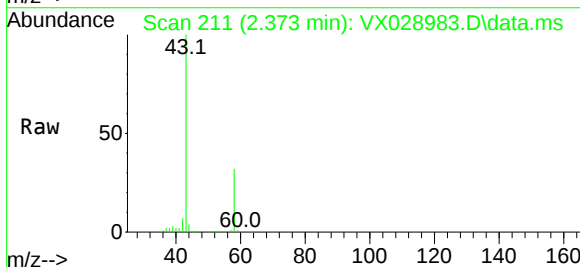
Instrument :
MSVOA_X
ClientSampleId :
31794

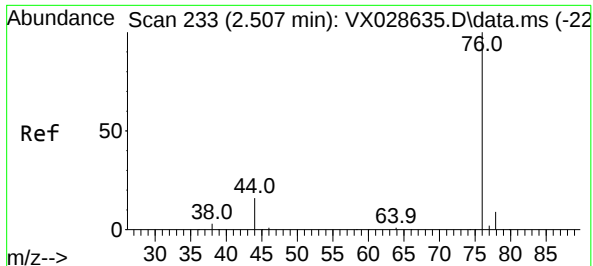
Tgt Ion: 59 Resp: 19520
Ion Ratio Lower Upper
59 100
57 11.6 8.3 12.5



#16
Acetone
Concen: 38.887 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 43 Resp: 79715
Ion Ratio Lower Upper
43 100
58 31.9 28.8 43.2

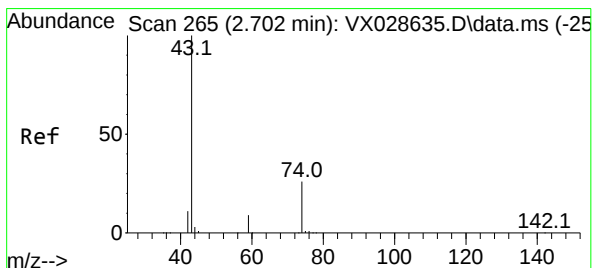
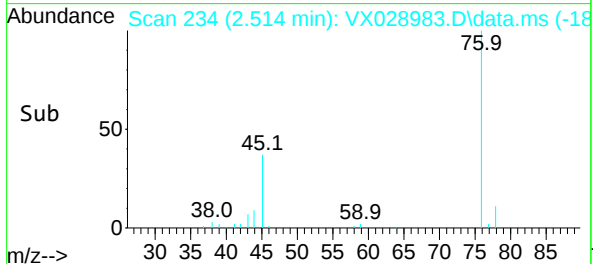
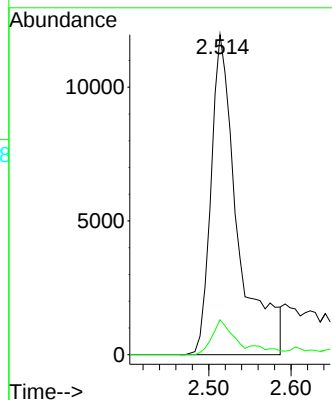
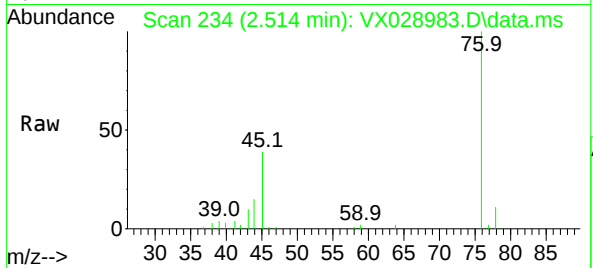




#17
Carbon Disulfide
Concen: 2.892 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

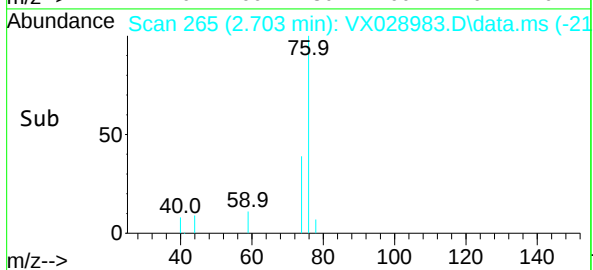
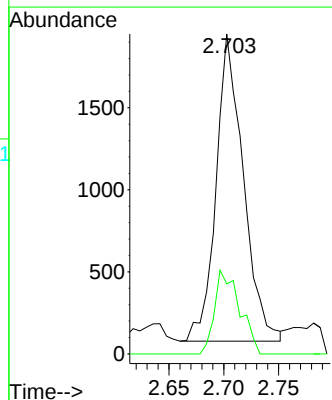
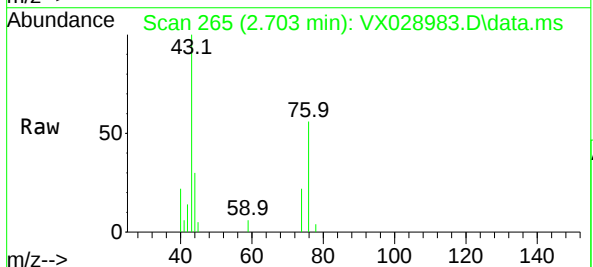
Instrument :
MSVOA_X
ClientSampleId :
31794

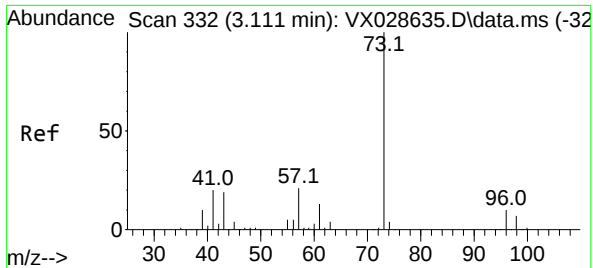
Tgt Ion: 76 Resp: 27034
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#



#18
Methyl Acetate
Concen: 0.631 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 43 Resp: 3240
Ion Ratio Lower Upper
43 100
74 25.0 22.8 34.2

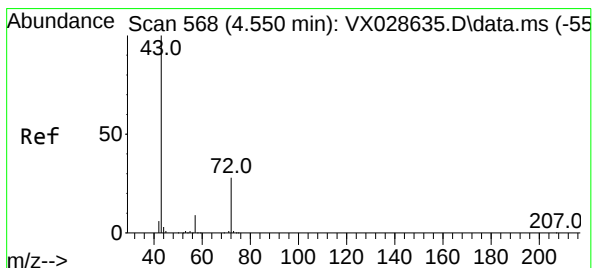
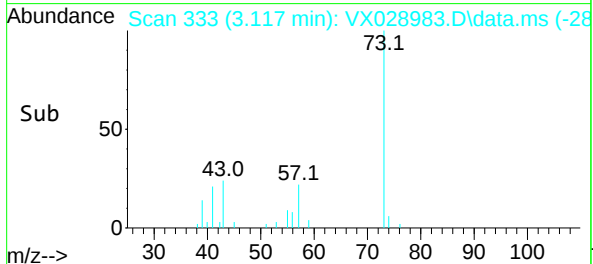
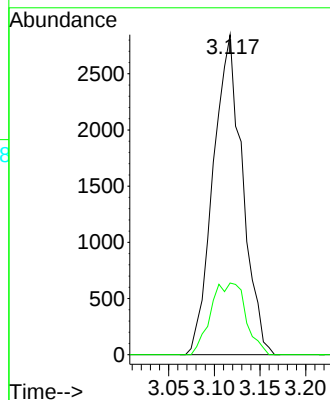
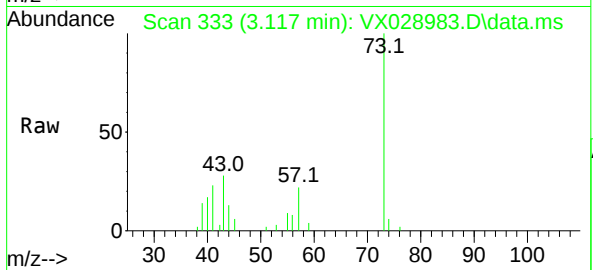




#19
Methyl tert-butyl Ether
Concen: 0.497 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

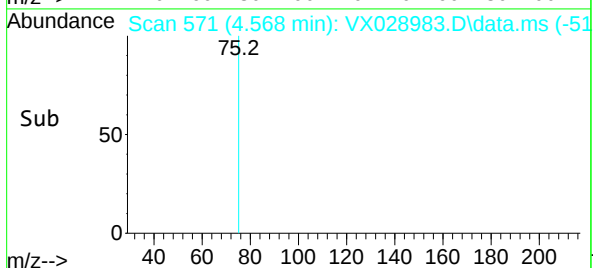
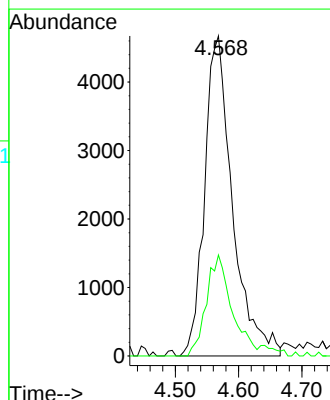
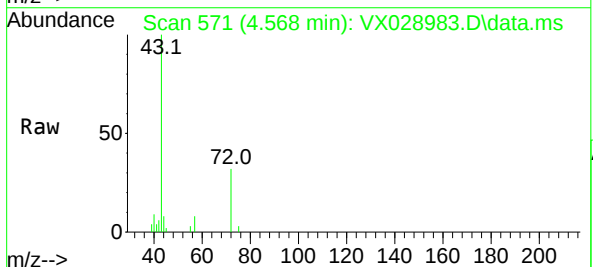
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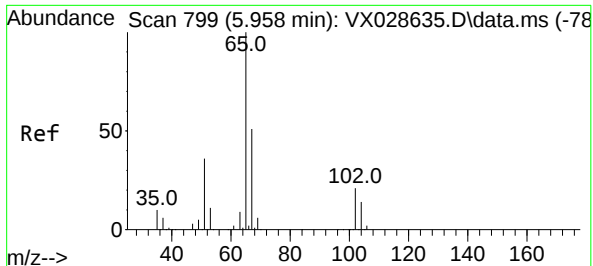
Tgt Ion: 73 Resp: 6355
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2



#25
2-Butanone
Concen: 4.459 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 43 Resp: 14348
Ion Ratio Lower Upper
43 100
72 31.5 24.4 36.6





#33

1,2-Dichloroethane-d4

Concen: 48.045 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028983.D

Acq: 26 May 2022 05:02

Instrument :

MSVOA_X

ClientSampleId :

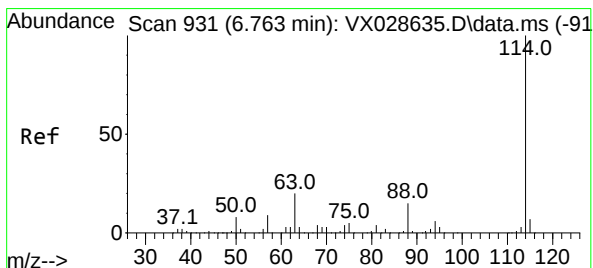
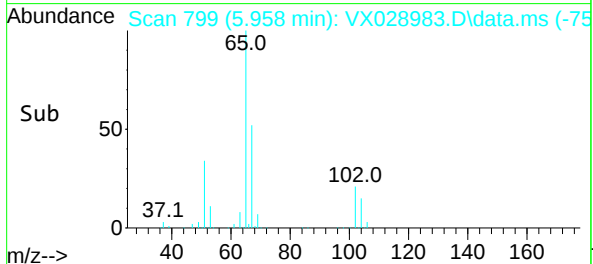
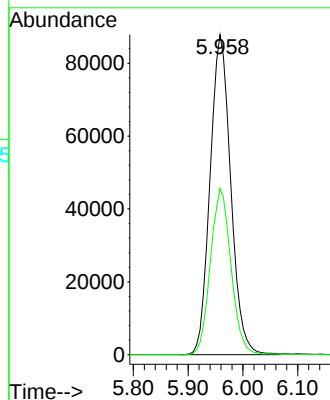
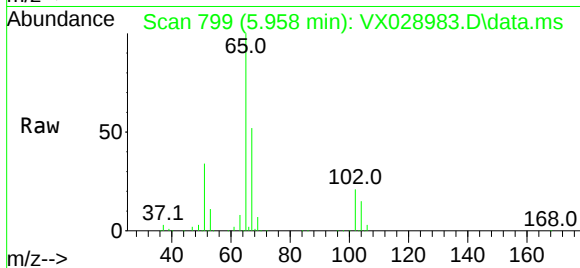
31794

Tgt Ion: 65 Resp: 229481

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028983.D

Acq: 26 May 2022 05:02

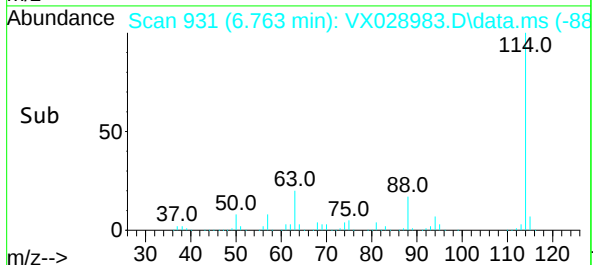
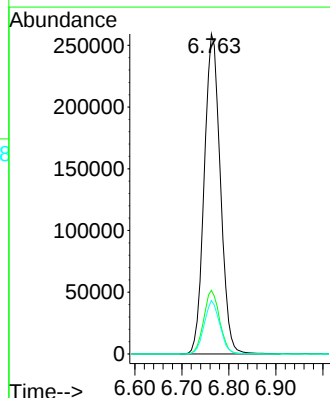
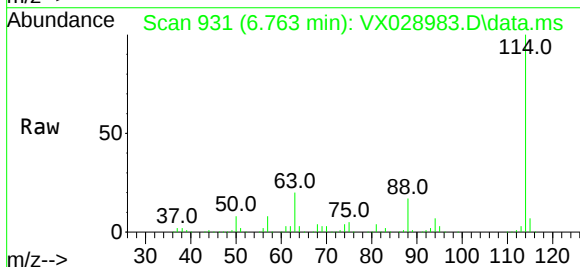
Tgt Ion: 114 Resp: 616166

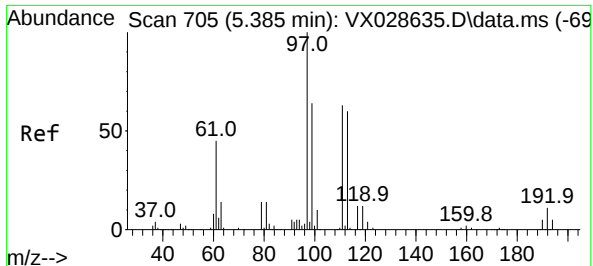
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.8

88 16.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.681 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028983.D

Acq: 26 May 2022 05:02

Instrument :

MSVOA_X

ClientSampleId :

31794

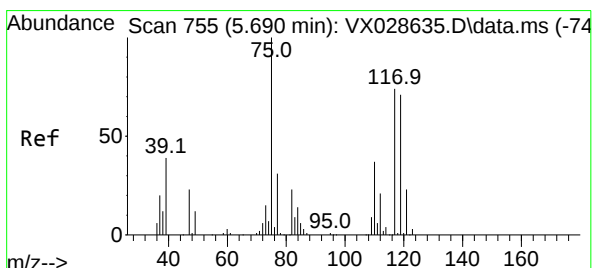
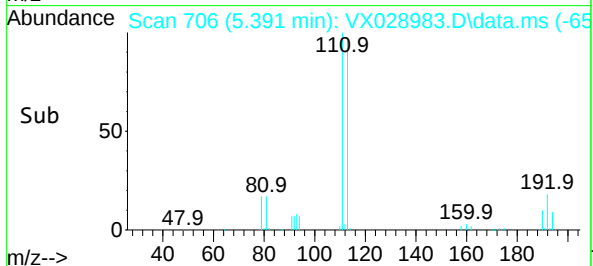
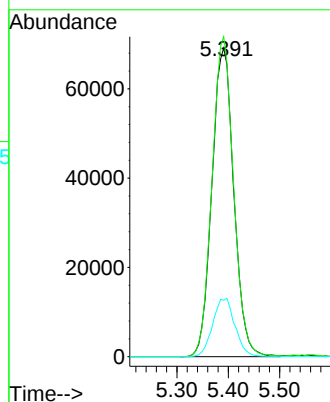
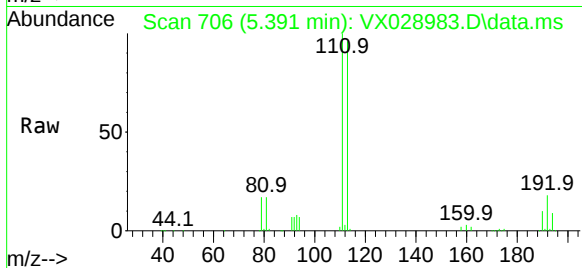
Tgt Ion:113 Resp: 204602

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

192 19.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.356 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX028983.D

Acq: 26 May 2022 05:02

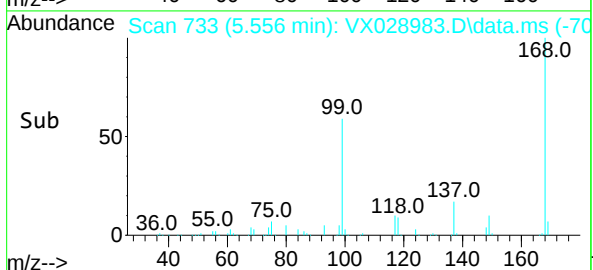
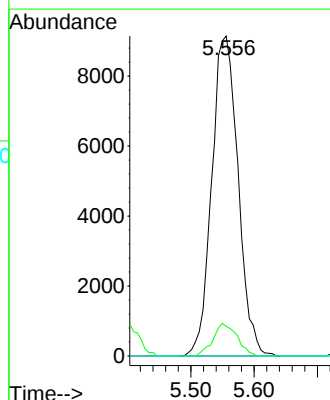
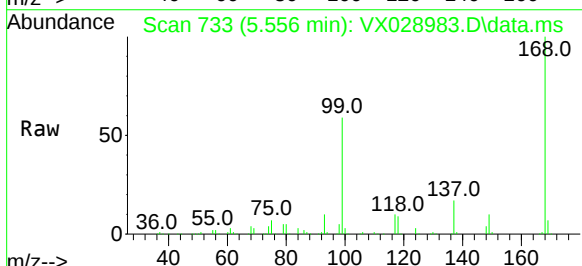
Tgt Ion: 75 Resp: 26411

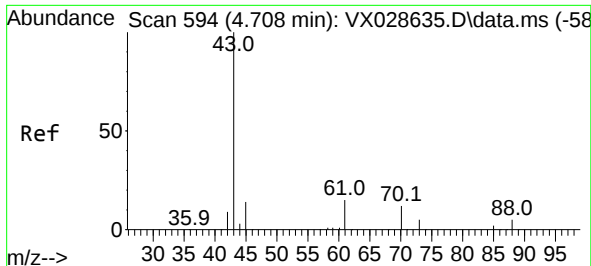
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 24.8 37.2#

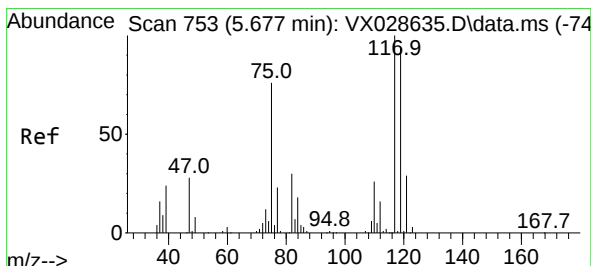
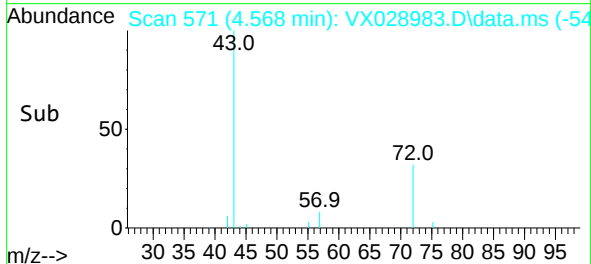
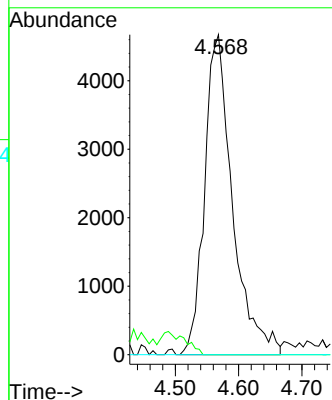
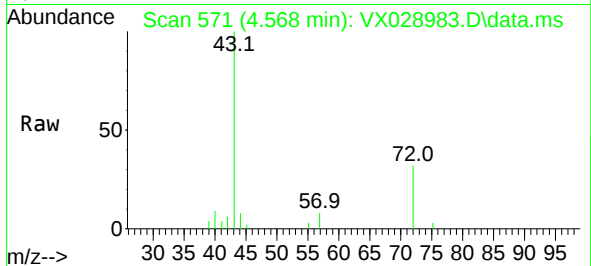




#37
Ethyl Acetate
Concen: 2.266 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.140 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

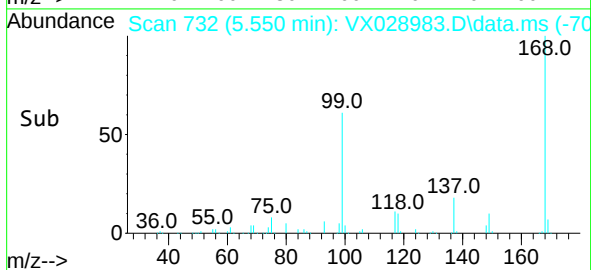
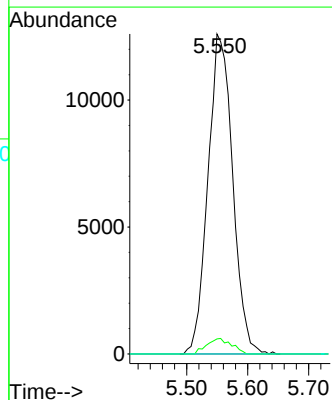
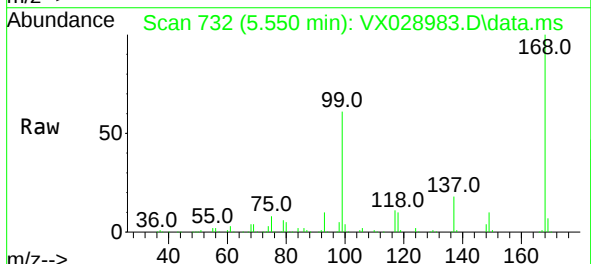
Instrument :
MSVOA_X
ClientSampleId :
31794

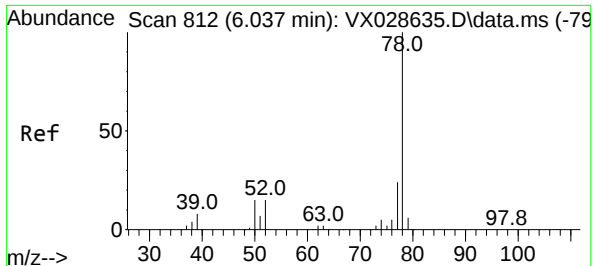
Tgt Ion: 43 Resp: 14348
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 10.2 15.2#



#38
Carbon Tetrachloride
Concen: 5.821 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 117 Resp: 35519
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#





#40

Benzene

Concen: 4.892 ug/l

RT: 6.043 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX028983.D

Acq: 26 May 2022 05:02

Instrument :

MSVOA_X

ClientSampleId :

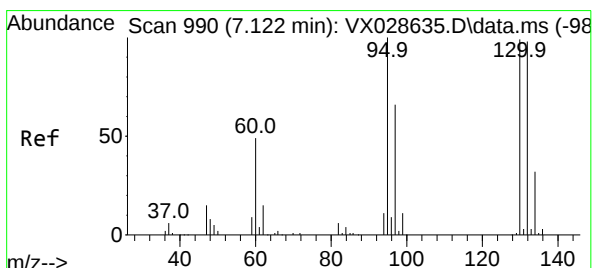
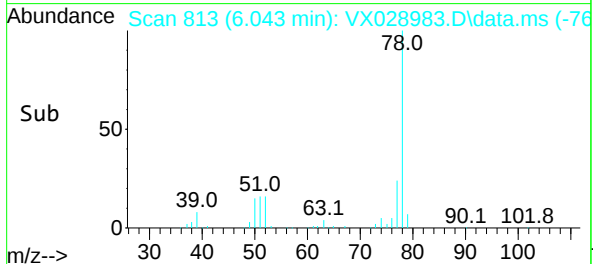
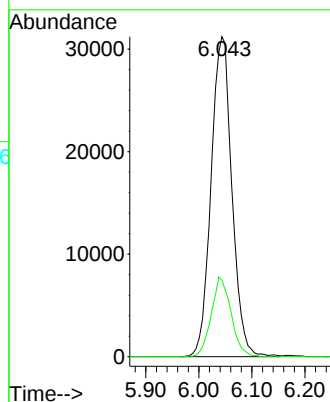
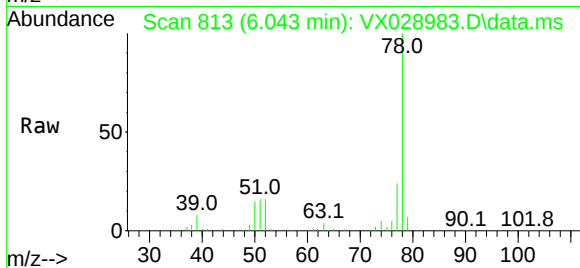
31794

Tgt Ion: 78 Resp: 85243

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9



#44

Trichloroethene

Concen: 0.224 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX028983.D

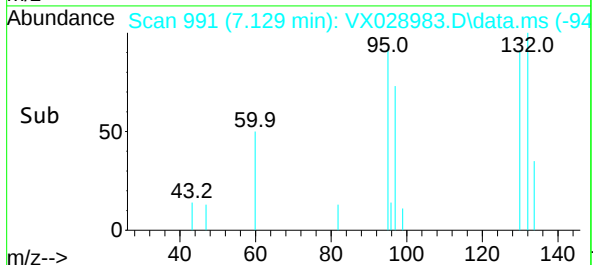
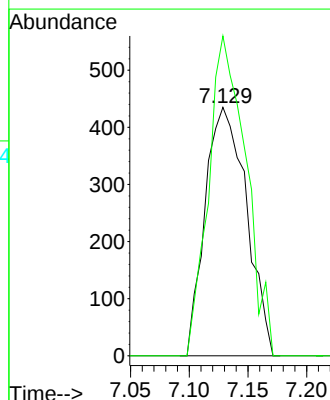
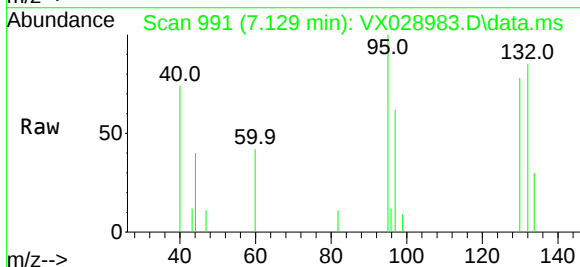
Acq: 26 May 2022 05:02

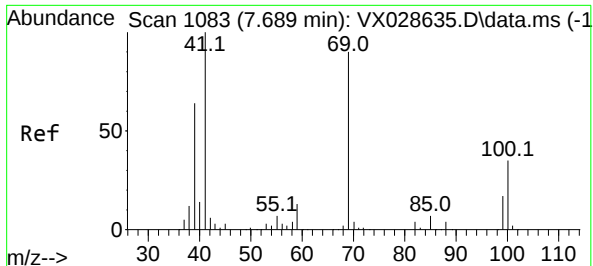
Tgt Ion:130 Resp: 1061

Ion Ratio Lower Upper

130 100

95 128.7 0.0 188.8





#48

Methyl methacrylate

Concen: 0.818 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. -0.006 min

Lab File: VX028983.D

Acq: 26 May 2022 05:02

Instrument :

MSVOA_X

ClientSampleId :

31794

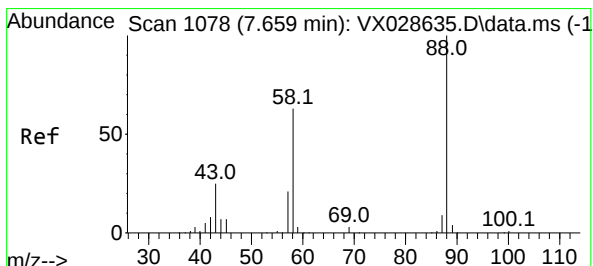
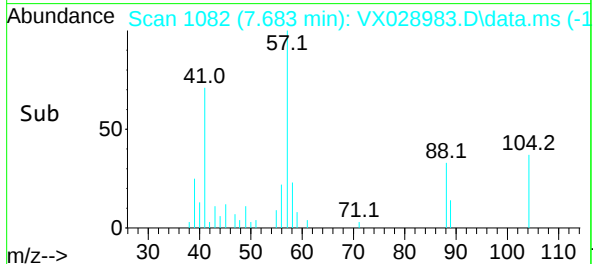
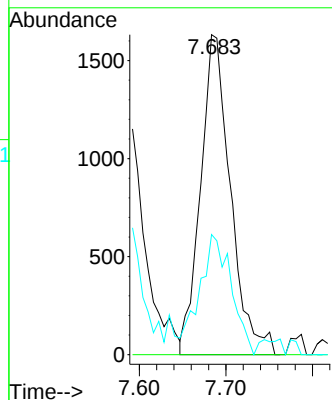
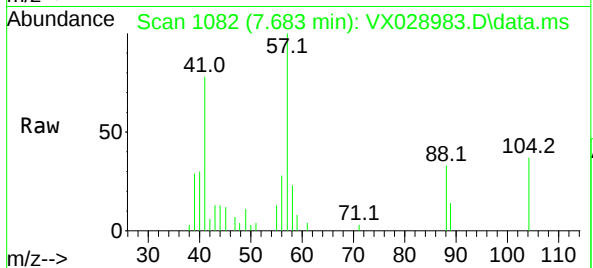
Tgt Ion: 41 Resp: 3915

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 39.9 43.8 65.8#



#49

1,4-Dioxane

Concen: 19.846 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX028983.D

Acq: 26 May 2022 05:02

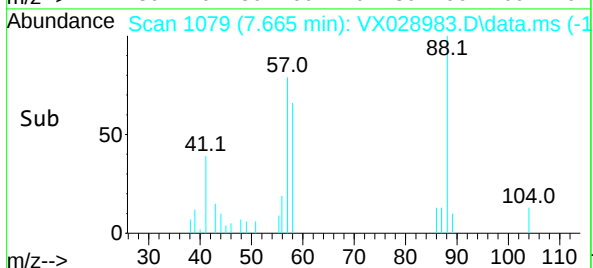
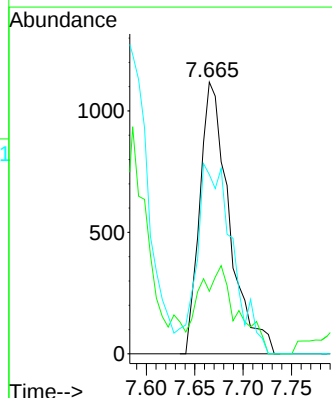
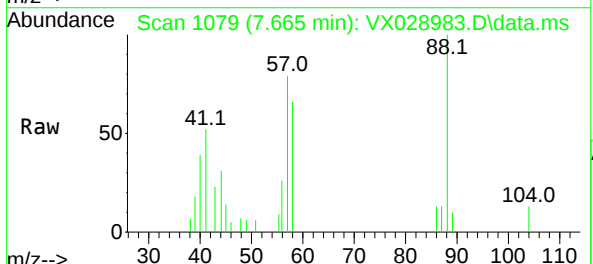
Tgt Ion: 88 Resp: 2373

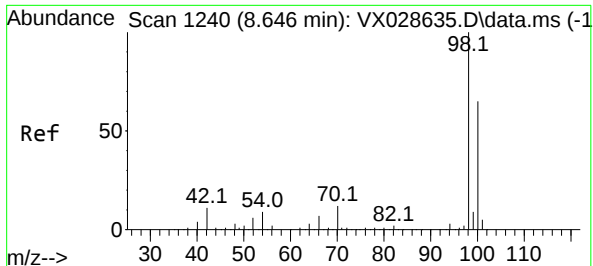
Ion Ratio Lower Upper

88 100

43 41.4 21.9 32.9#

58 85.6 53.7 80.5#





#50

Toluene-d8

Concen: 48.099 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028983.D

Acq: 26 May 2022 05:02

Instrument :

MSVOA_X

ClientSampleId :

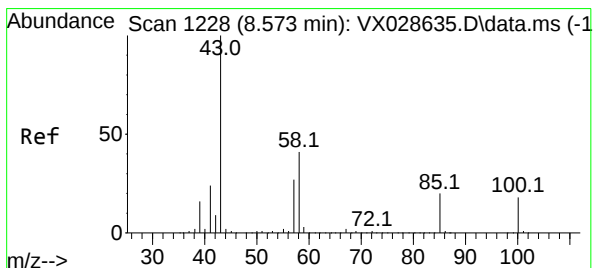
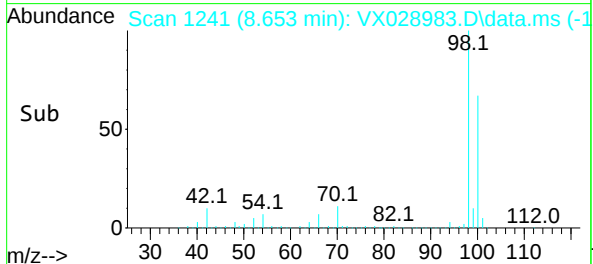
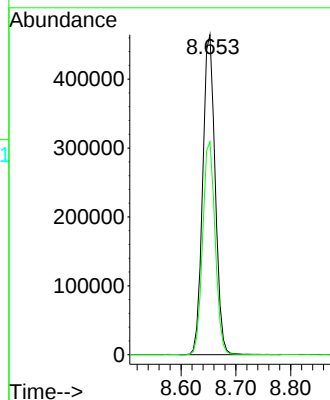
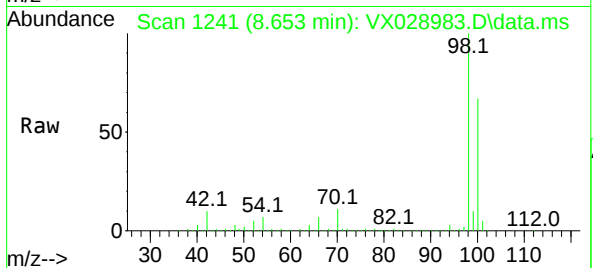
31794

Tgt Ion: 98 Resp: 732087

Ion Ratio Lower Upper

98 100

100 66.7 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.418 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.007 min

Lab File: VX028983.D

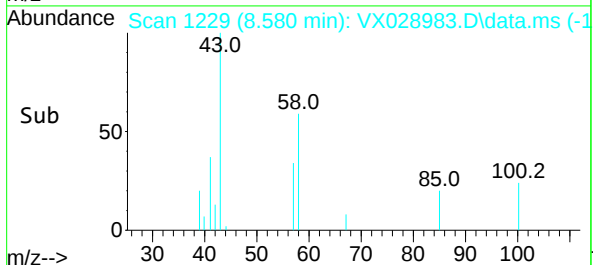
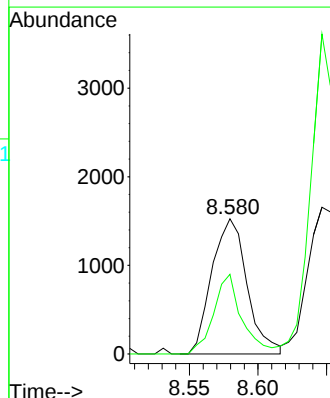
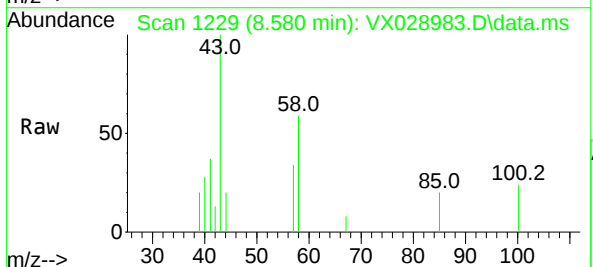
Acq: 26 May 2022 05:02

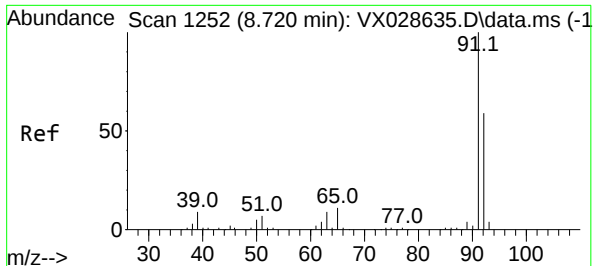
Tgt Ion: 43 Resp: 2730

Ion Ratio Lower Upper

43 100

58 46.9 36.1 54.1

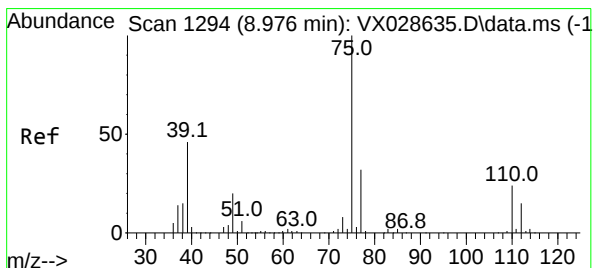
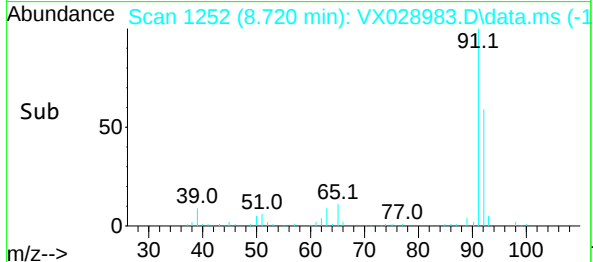
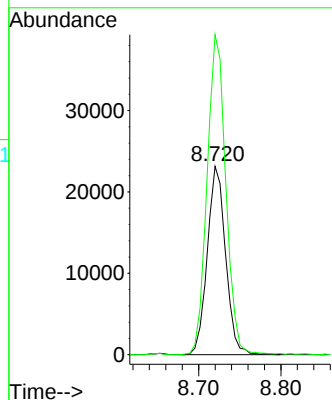
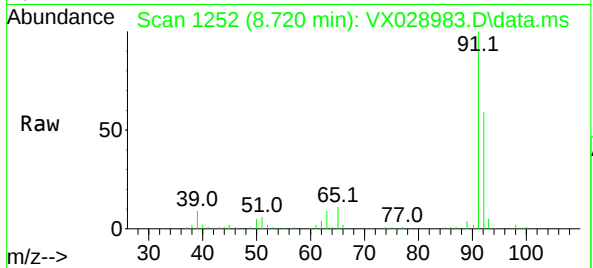




#52
Toluene
Concen: 3.195 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

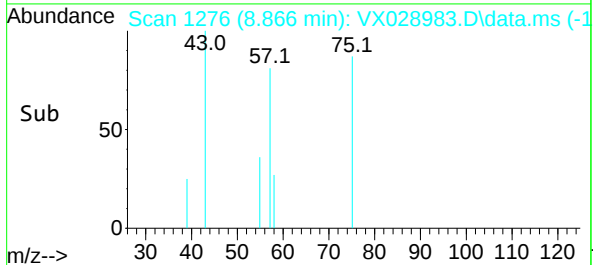
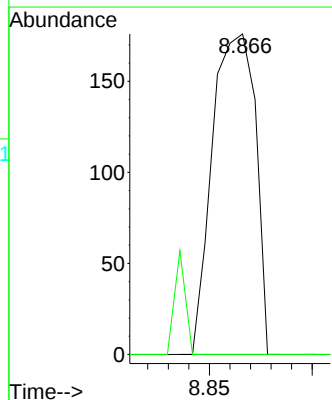
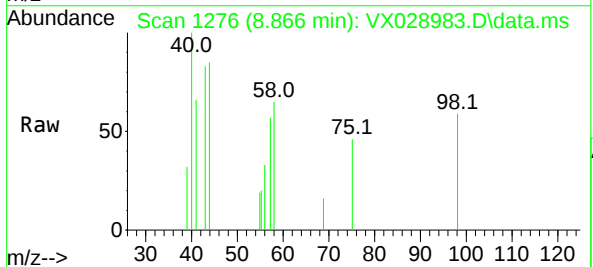
Instrument :
MSVOA_X
ClientSampleId :
31794

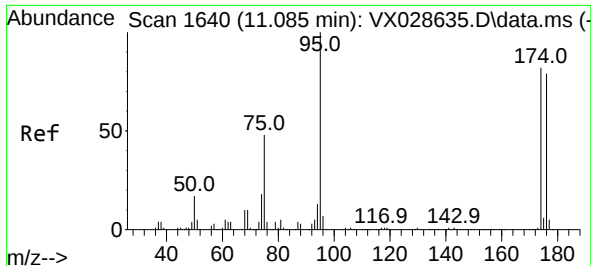
Tgt Ion: 92 Resp: 35817
Ion Ratio Lower Upper
92 100
91 173.7 137.5 206.3



#53
t-1,3-Dichloropropene
Concen: 1.677 ug/l
RT: 8.866 min Scan# 1276
Delta R.T. -0.110 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 75 Resp: 257
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

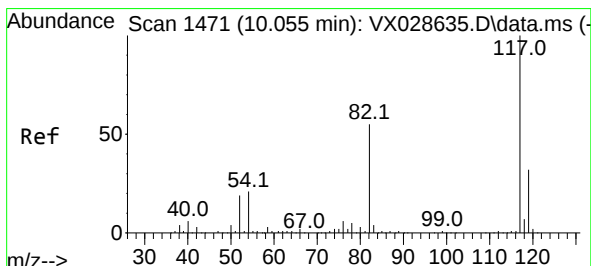
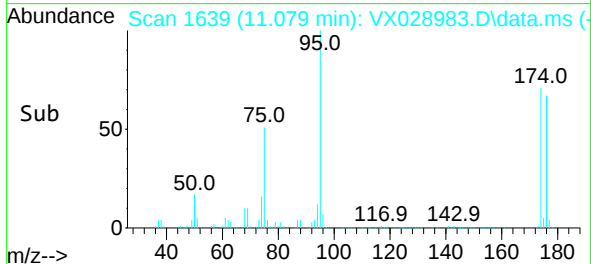
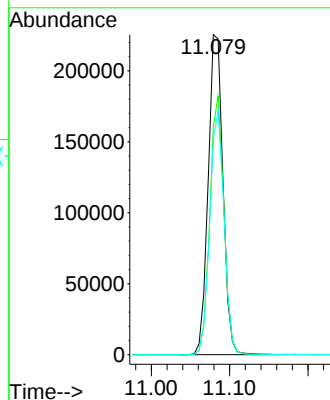
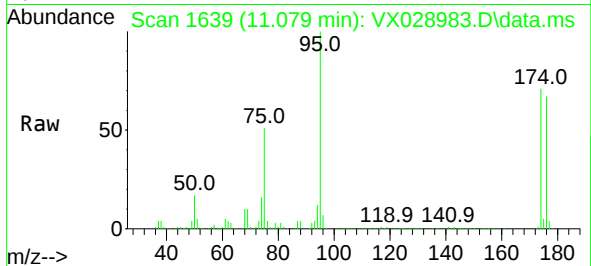




#62
4-Bromofluorobenzene
Concen: 51.809 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

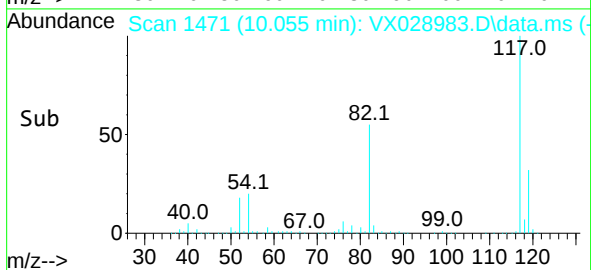
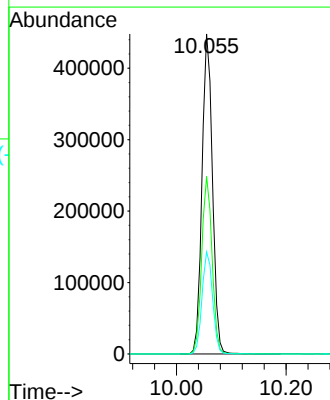
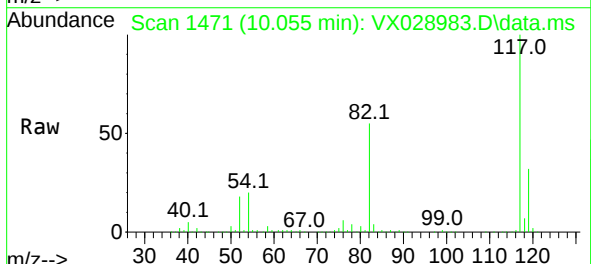
Instrument :
MSVOA_X
ClientSampleId :
31794

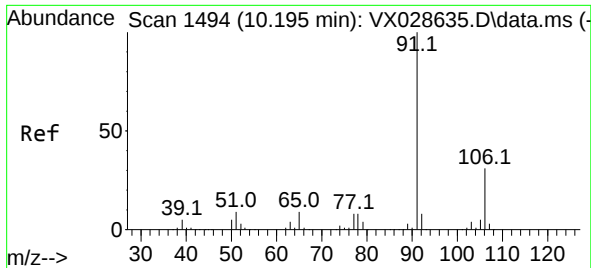
Tgt Ion: 95 Resp: 294532
Ion Ratio Lower Upper
95 100
174 77.4 0.0 163.0
176 73.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 117 Resp: 593698
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 31.9 24.8 37.2

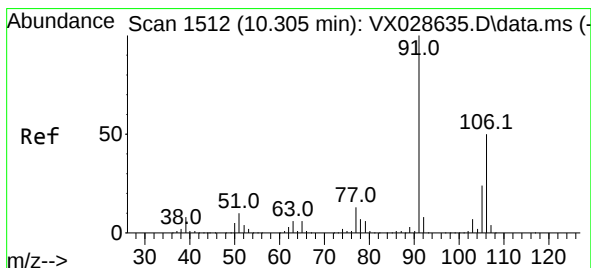
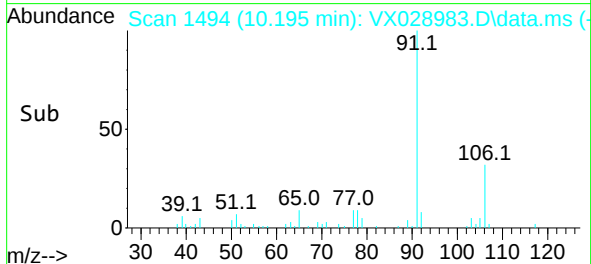
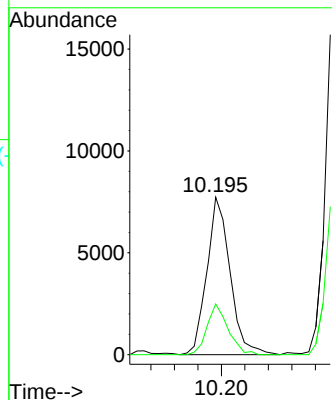
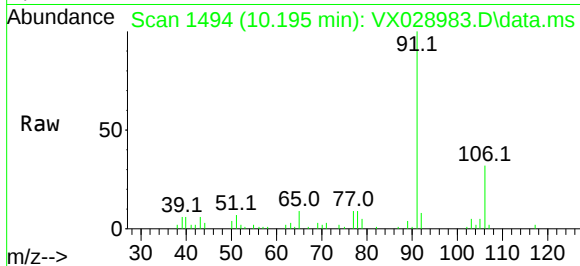




#67
Ethyl Benzene
Concen: 0.470 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

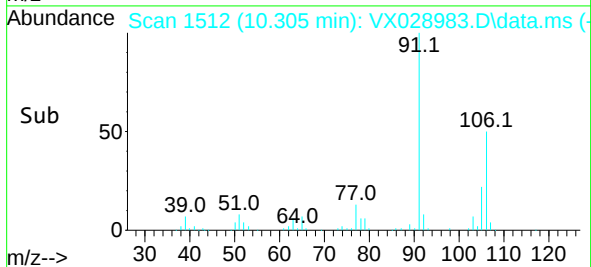
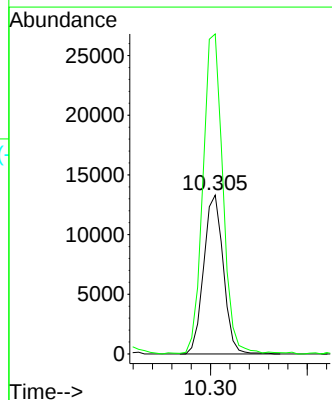
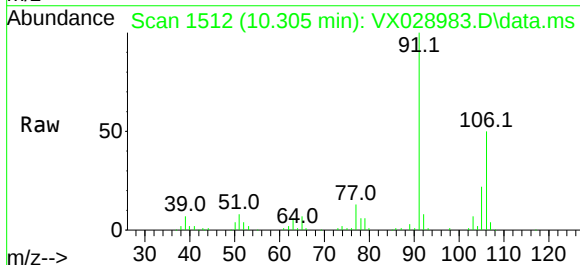
Instrument :
MSVOA_X
ClientSampleId :
31794

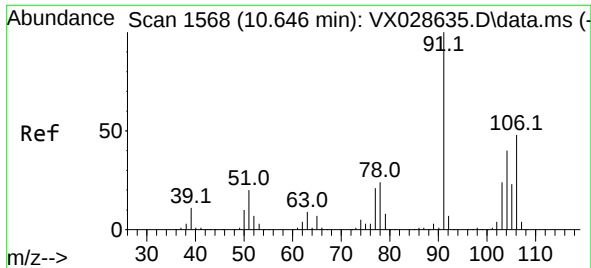
Tgt Ion: 91 Resp: 10615
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8



#68
m/p-Xylenes
Concen: 2.131 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 106 Resp: 18730
Ion Ratio Lower Upper
106 100
91 206.1 160.4 240.6

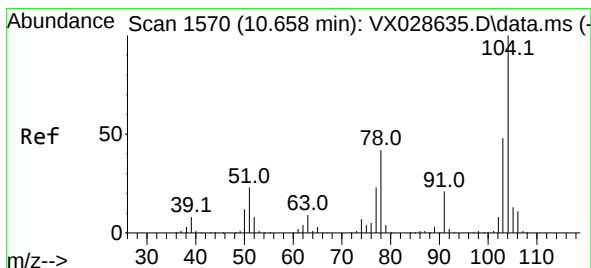
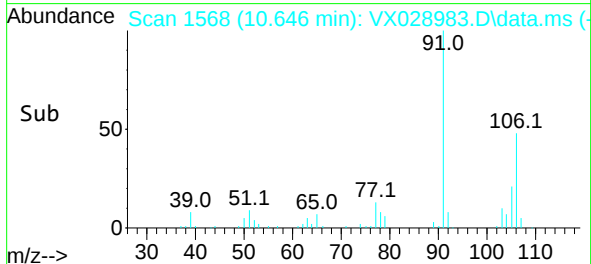
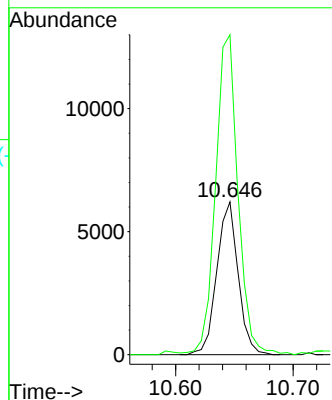
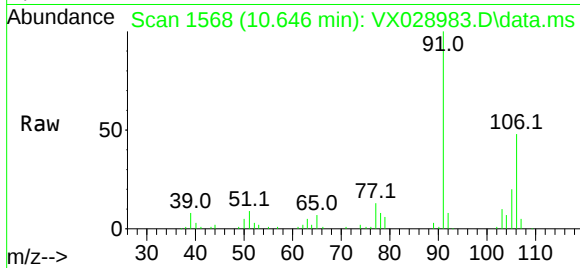




#69
o-Xylene
Concen: 0.905 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

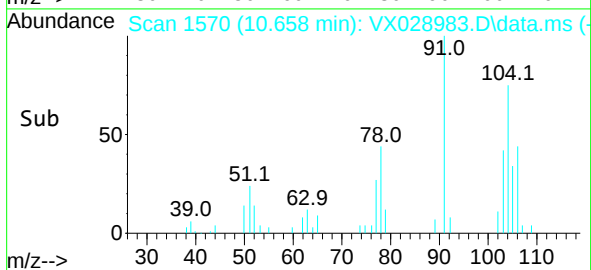
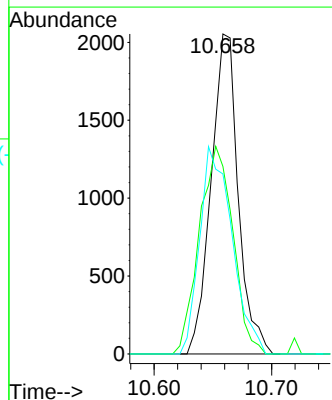
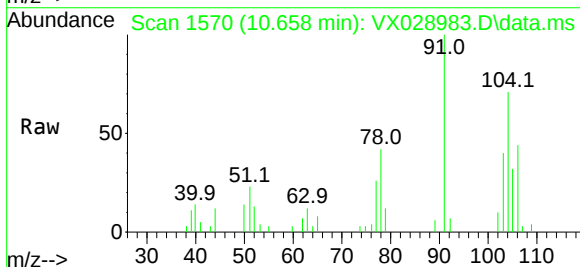
Instrument :
MSVOA_X
ClientSampleId :
31794

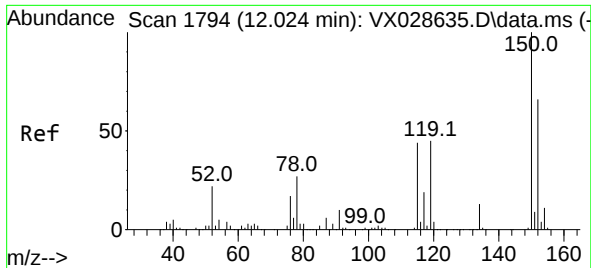
Tgt Ion:106 Resp: 7827
Ion Ratio Lower Upper
106 100
91 220.3 106.1 318.1



#70
Styrene
Concen: 0.234 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion:104 Resp: 3295
Ion Ratio Lower Upper
104 100
78 80.3 38.6 57.8#
103 77.3 43.8 65.8#

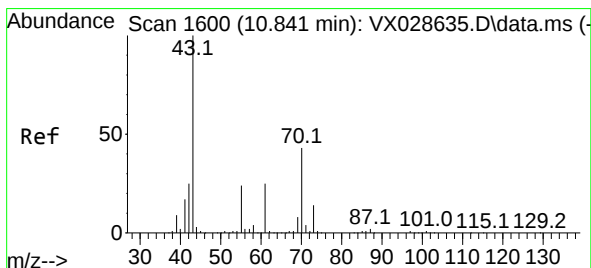
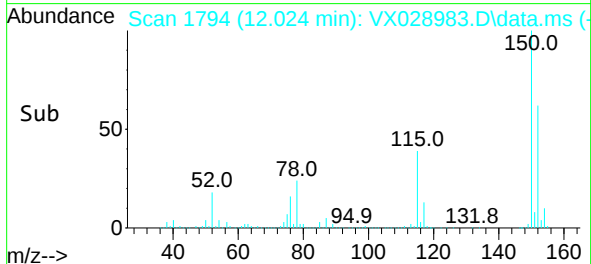
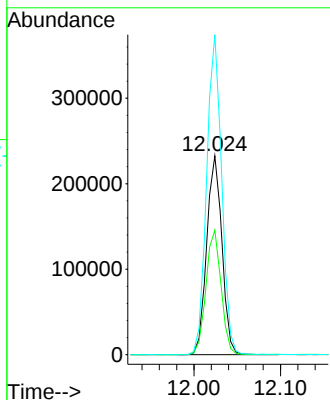
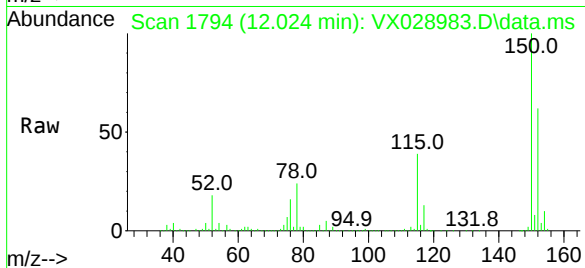




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

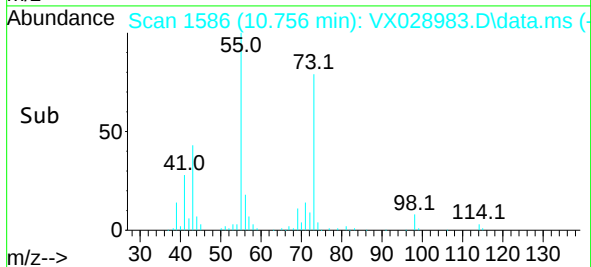
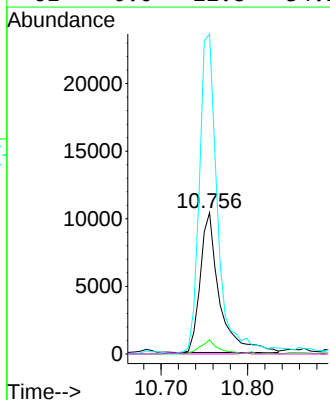
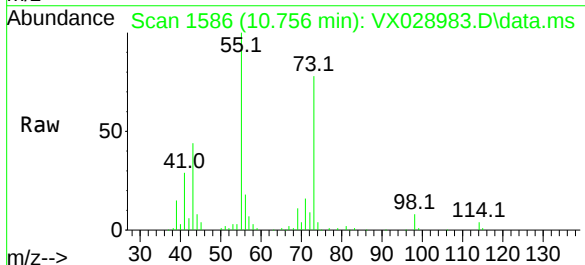
Instrument :
MSVOA_X
ClientSampleId :
31794

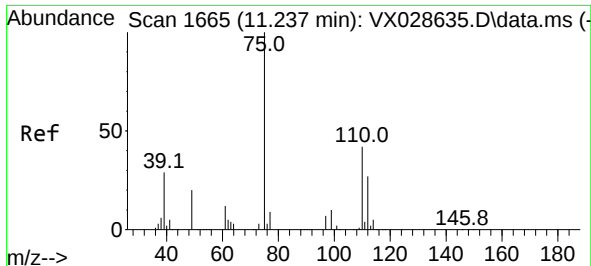
Tgt Ion:152 Resp: 284749
Ion Ratio Lower Upper
152 100
115 61.9 37.5 112.7
150 158.4 0.0 338.2



#74
N-ethyl acetate
Concen: 1.874 ug/l
RT: 10.756 min Scan# 1586
Delta R.T. -0.085 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 43 Resp: 15908
Ion Ratio Lower Upper
43 100
70 9.4 42.5 63.7#
55 222.1 23.1 34.7#
61 0.0 22.8 34.2#

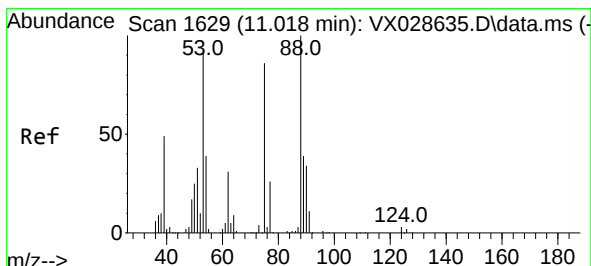
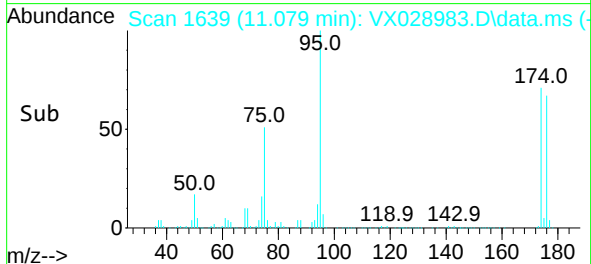
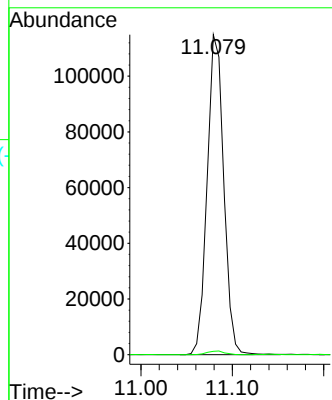
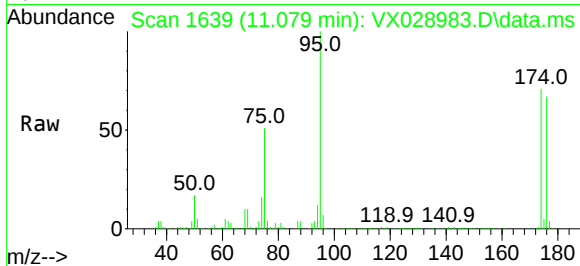




#76
1,2,3-Trichloropropane
Concen: 21.625 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

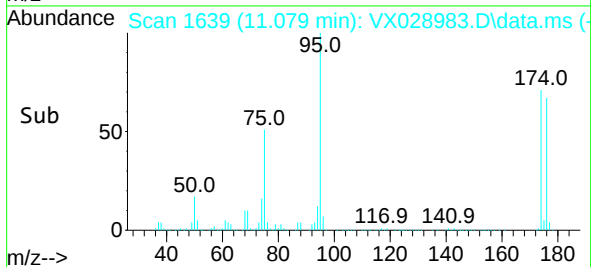
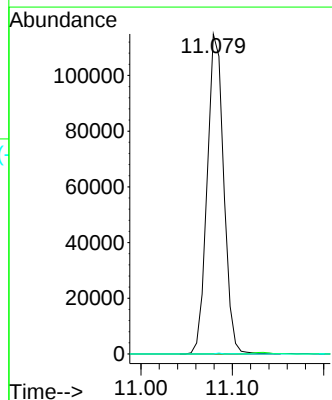
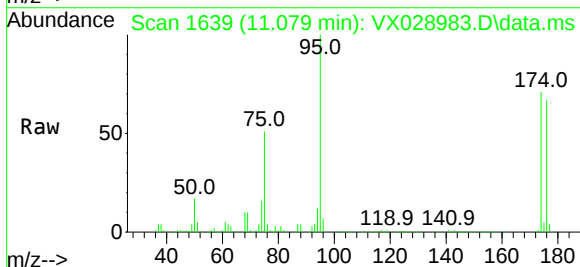
Instrument :
MSVOA_X
ClientSampleId :
31794

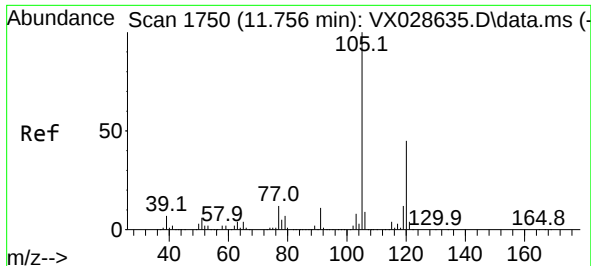
Tgt Ion: 75 Resp: 144210
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.390 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion: 75 Resp: 144210
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

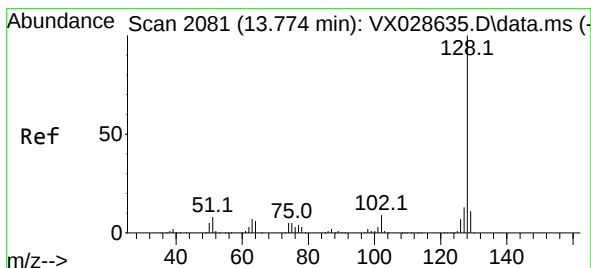
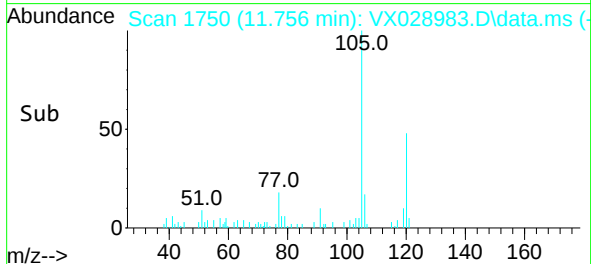
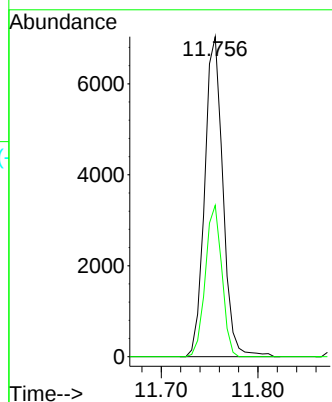
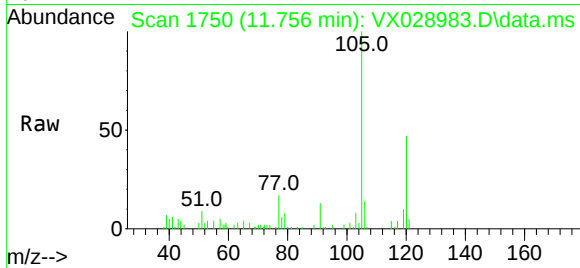




#84
1,2,4-Trimethylbenzene
Concen: 0.511 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Instrument :
MSVOA_X
ClientSampleId :
31794

Tgt Ion:105 Resp: 9224
Ion Ratio Lower Upper
105 100
120 42.8 22.6 67.8



#95
Naphthalene
Concen: 1.486 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028983.D
Acq: 26 May 2022 05:02

Tgt Ion:128 Resp: 30069
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.4
129 11.2 8.7 13.1

