

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051822\
 Data File : VX028805.D
 Acq On : 18 May 2022 14:55
 Operator : JC/MD
 Sample : N2884-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31804

Quant Time: May 19 01:34:31 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)

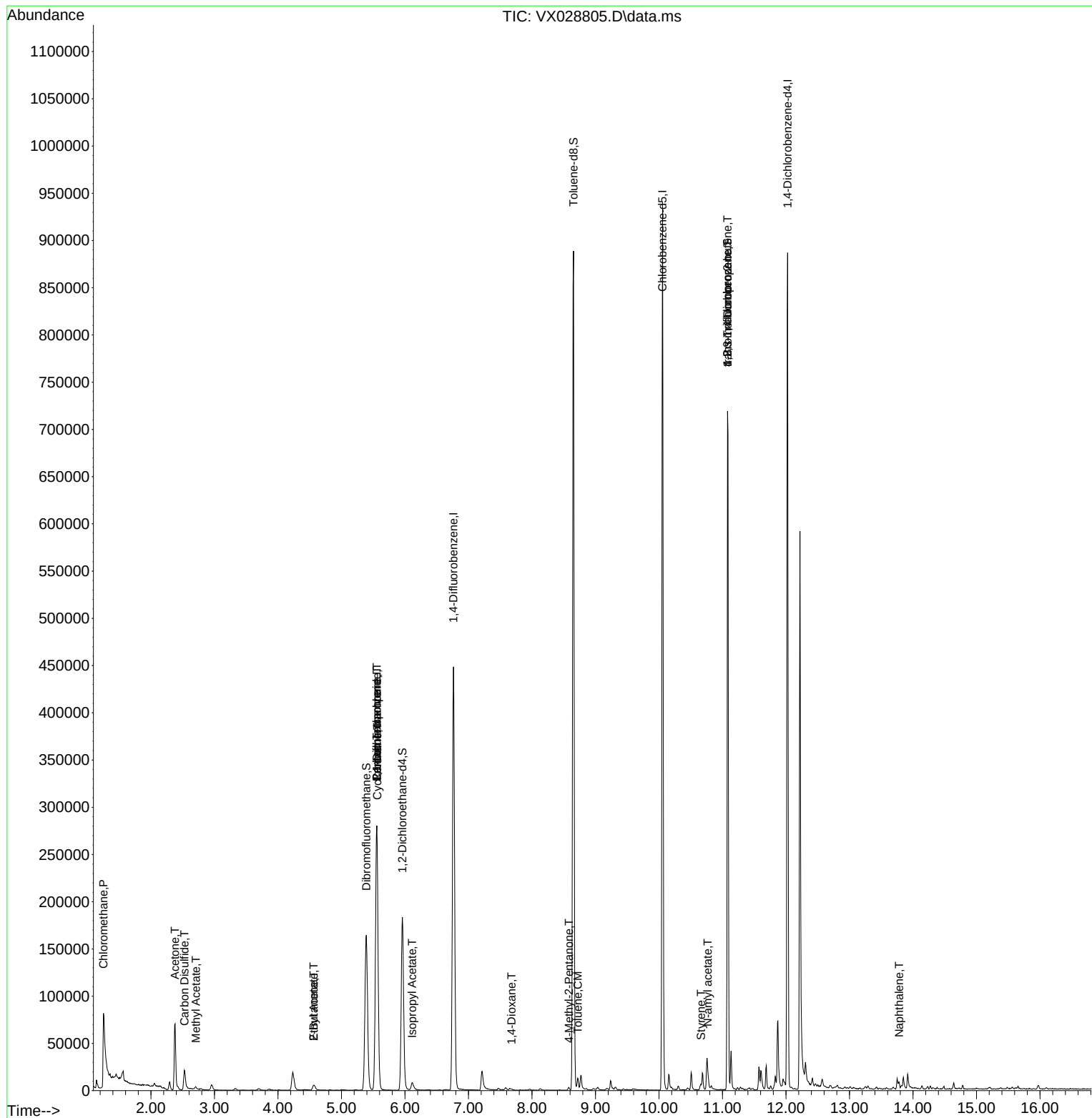
Internal Standards						
1) Pentafluorobenzene	5.556	168	257928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	452519	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	400352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172703	48.847	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.700%
35) Dibromofluoromethane	5.391	113	142406	48.032	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.060%
50) Toluene-d8	8.653	98	530324	47.444	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.880%
62) 4-Bromofluorobenzene	11.079	95	185636	44.463	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.920%
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	4010	1.261	ug/l #	42
5) Bromomethane	1.612	94	483	Below Cal		83
6) Chloroethane	1.825	64	321	Below Cal	#	54
11) Tert butyl alcohol	2.953	59	5782	Below Cal		98
16) Acetone	2.380	43	74337	48.990	ug/l	92
17) Carbon Disulfide	2.526	76	23139	3.344	ug/l	99
18) Methyl Acetate	2.709	43	2940	0.774	ug/l #	86
25) 2-Butanone	4.562	43	10461	4.392	ug/l	99
31) Cyclohexane	5.562	56	6166	1.256	ug/l #	28
36) 1,1-Dichloropropene	5.556	75	21326	4.789	ug/l #	50
37) Ethyl Acetate	4.562	43	10461	2.249	ug/l #	66
38) Carbon Tetrachloride	5.556	117	27322	6.097	ug/l #	15
43) Isopropyl Acetate	6.111	43	7009	0.963	ug/l #	56
49) 1,4-Dioxane	7.678	88	210	2.391	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	1870	0.390	ug/l	89
52) Toluene	8.720	92	4264	0.518	ug/l	94
70) Styrene	10.659	104	2274	0.240	ug/l	96
74) N-amyl acetate	10.768	43	11229	2.134	ug/l #	19
76) 1,2,3-Trichloropropane	11.079	75	98959	23.937	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	98959	69.753	ug/l #	15
95) Naphthalene	13.780	128	3866	0.308	ug/l #	93

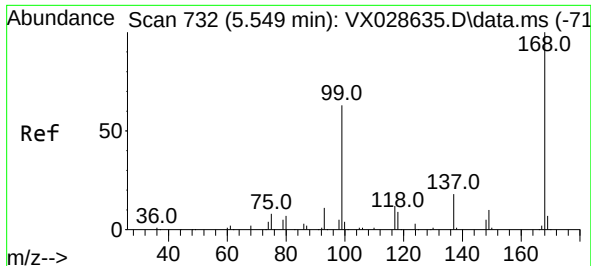
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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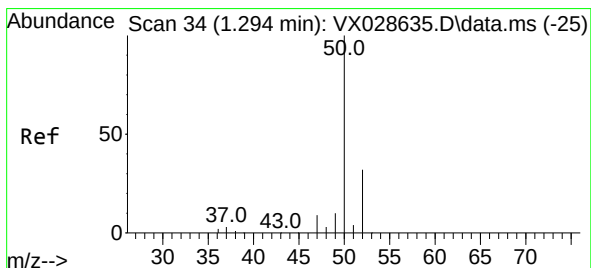
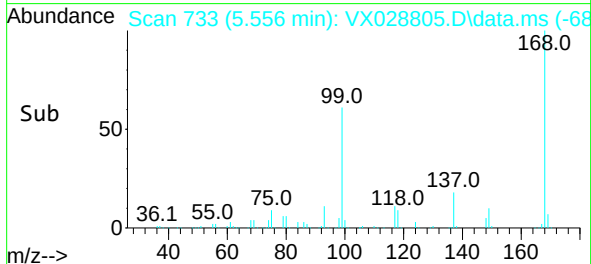
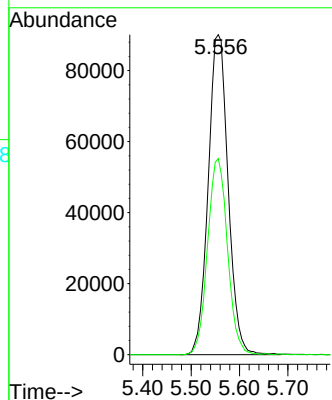
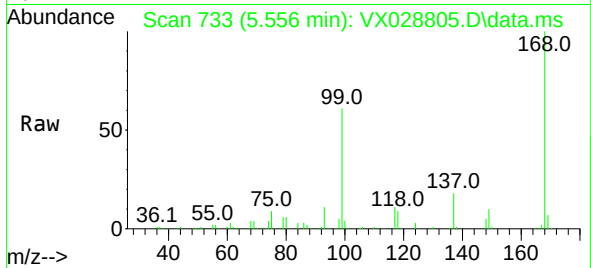




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

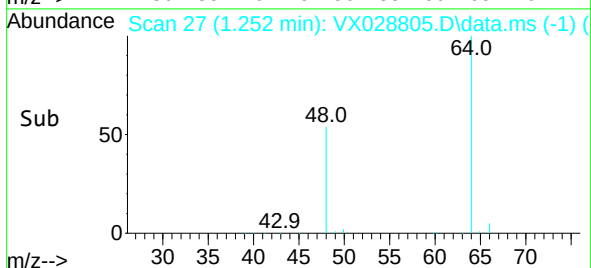
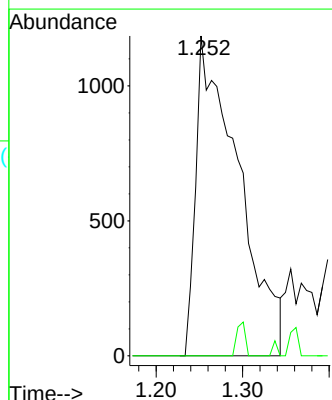
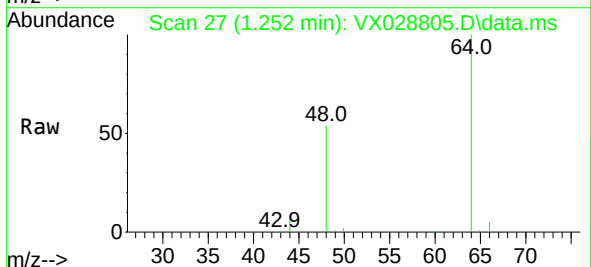
Instrument :
MSVOA_X
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31804

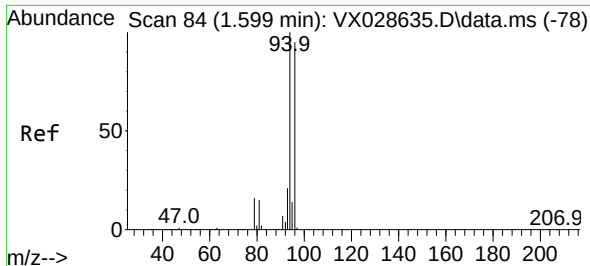
Tgt Ion:168 Resp: 257928
Ion Ratio Lower Upper
168 100
99 61.3 41.7 62.5



#3
Chloromethane
Concen: 1.261 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 50 Resp: 4010
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

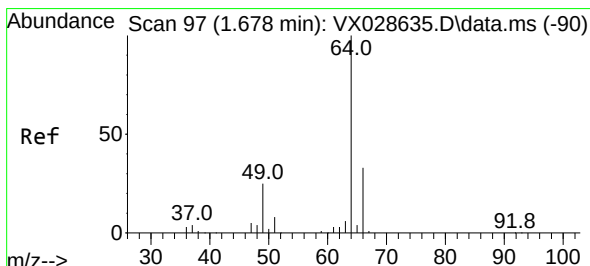
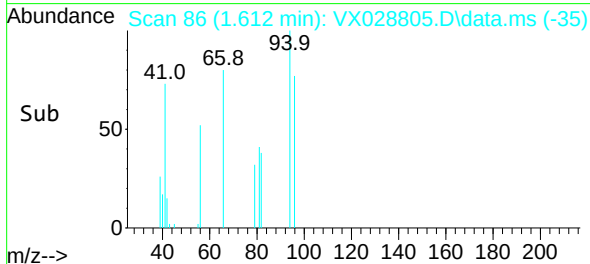
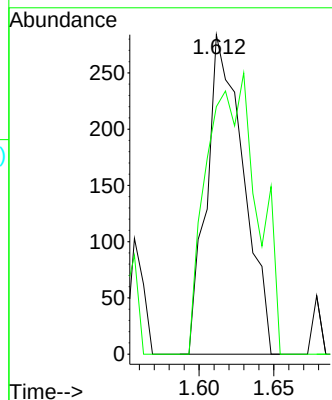
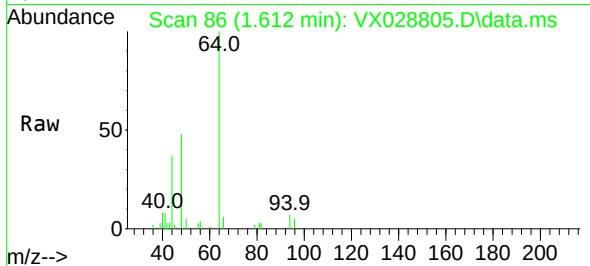




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

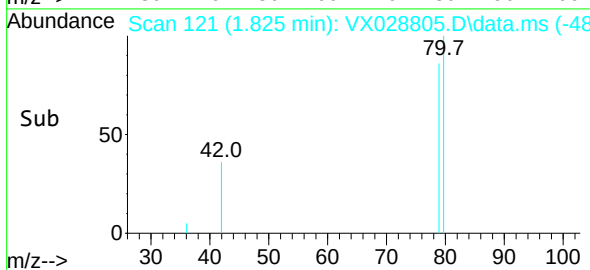
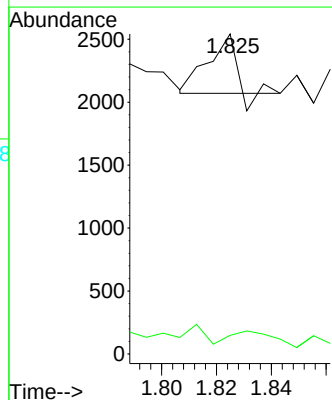
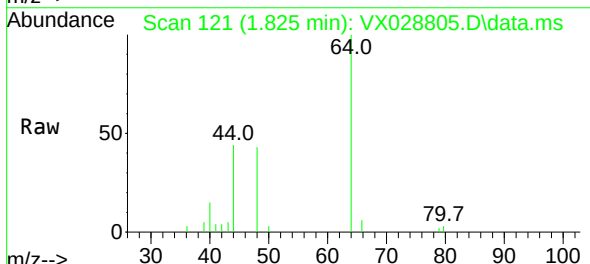
Instrument :
MSVOA_X
ClientSampleId :
31804

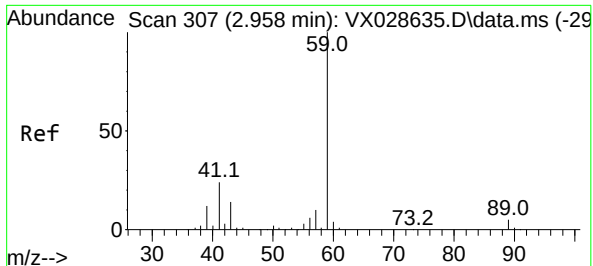
Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 77.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.825 min Scan# 121
Delta R.T. 0.147 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 64 Resp: 321
Ion Ratio Lower Upper
64 100
66 6.4 25.3 37.9#

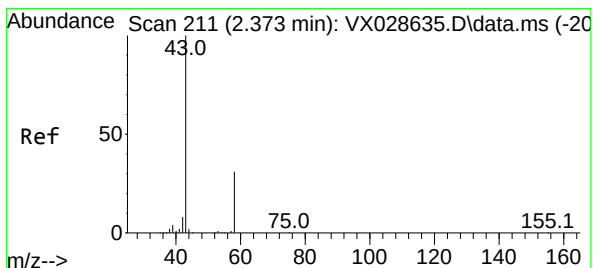
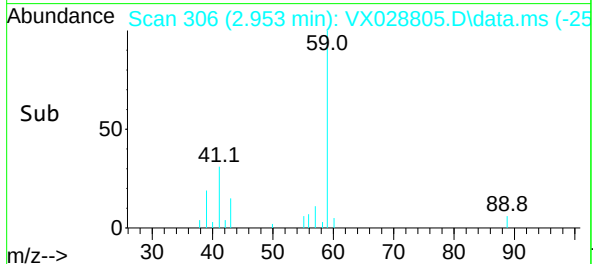
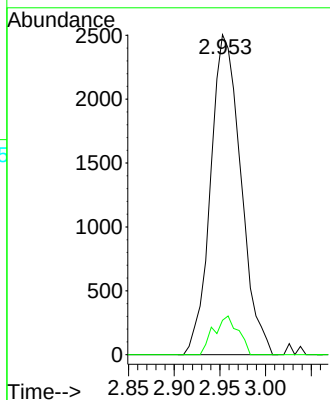
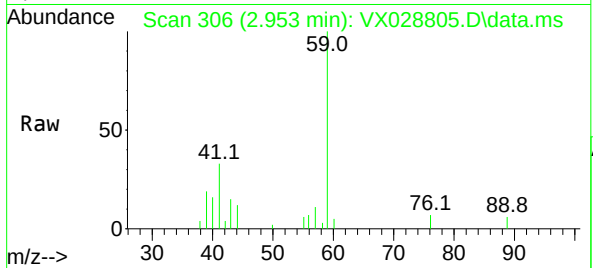




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 307
Delta R.T. -0.005 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

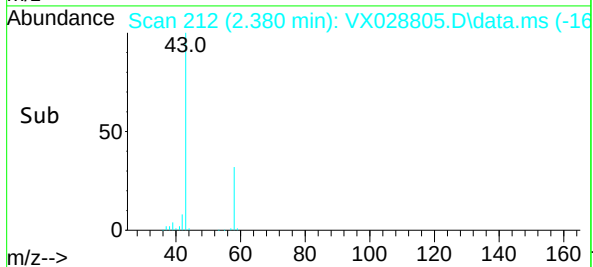
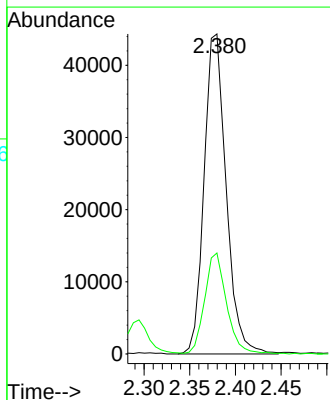
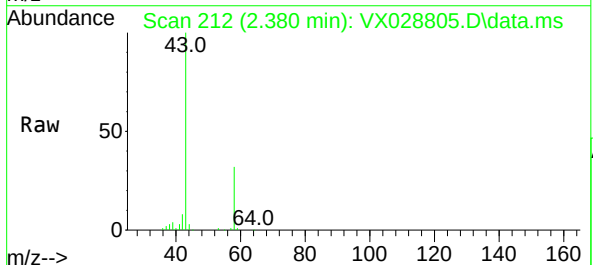
Instrument :
MSVOA_X
ClientSampleId :
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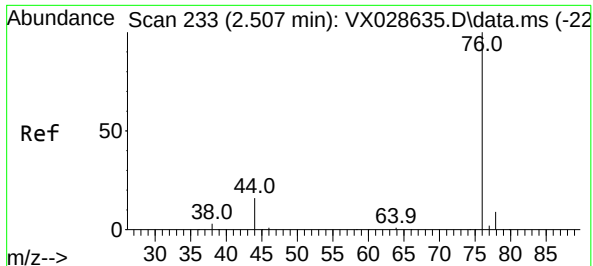
Tgt Ion: 59 Resp: 5782
Ion Ratio Lower Upper
59 100
57 9.8 8.3 12.5



#16
Acetone
Concen: 48.990 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 43 Resp: 74337
Ion Ratio Lower Upper
43 100
58 31.3 28.8 43.2

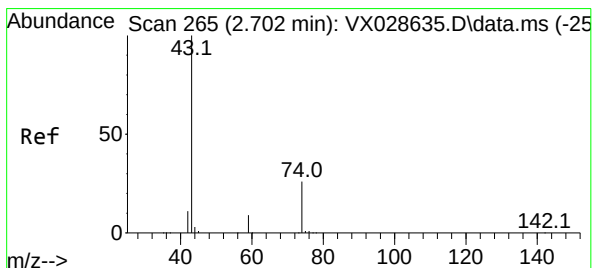
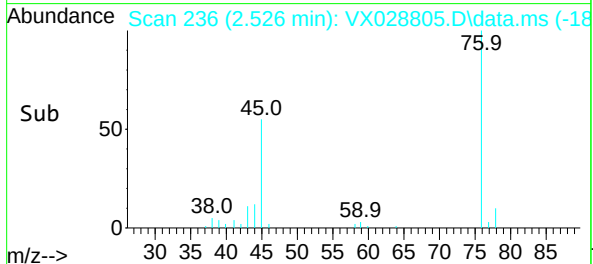
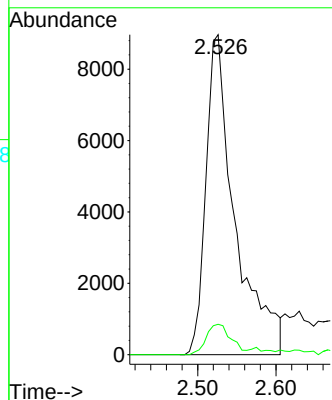
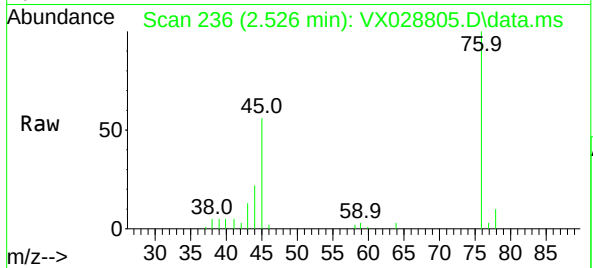




#17
Carbon Disulfide
Concen: 3.344 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.019 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

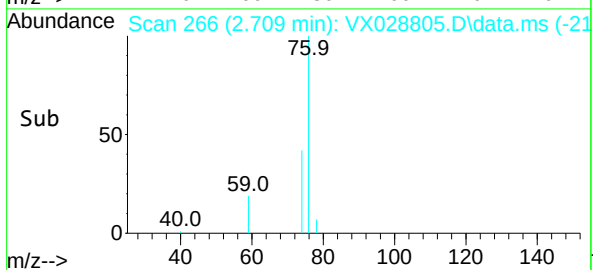
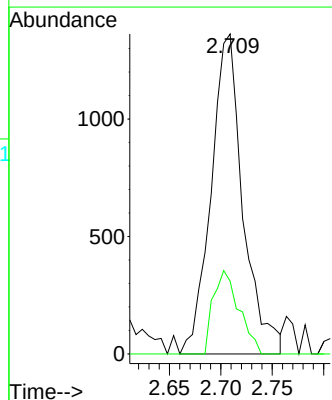
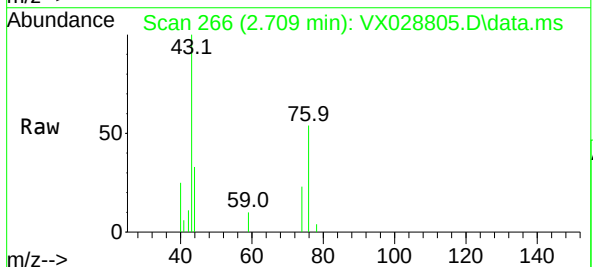
Instrument :
MSVOA_X
ClientSampleId :
31804

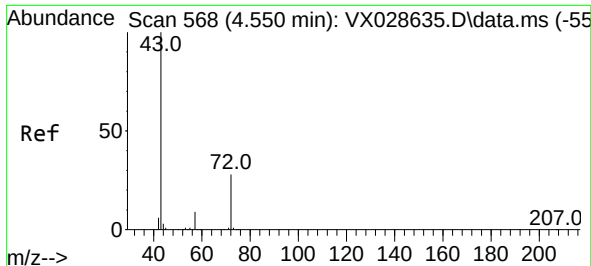
Tgt Ion: 76 Resp: 23139
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 0.774 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.007 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 43 Resp: 2940
Ion Ratio Lower Upper
43 100
74 21.1 22.8 34.2#

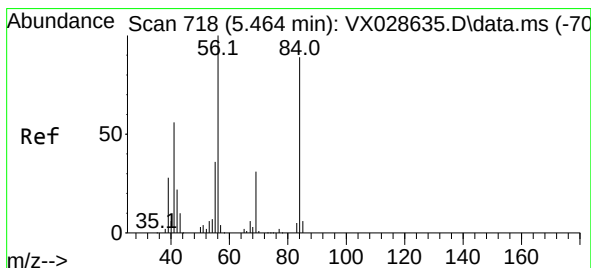
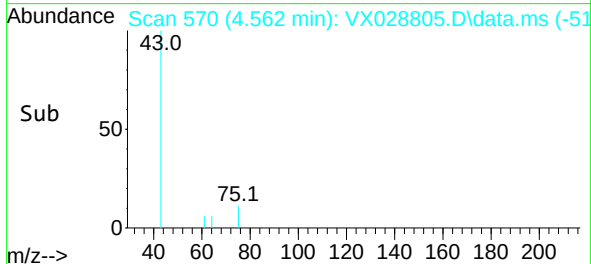
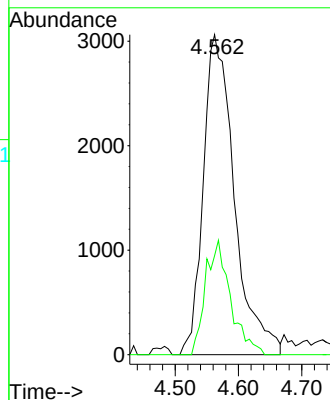
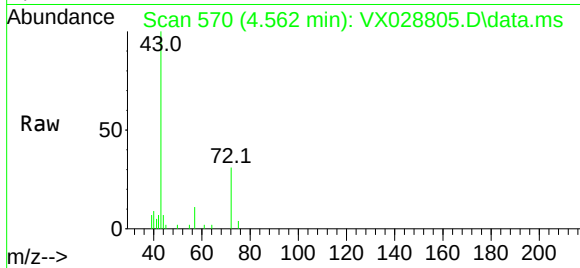




#25
2-Butanone
Concen: 4.392 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

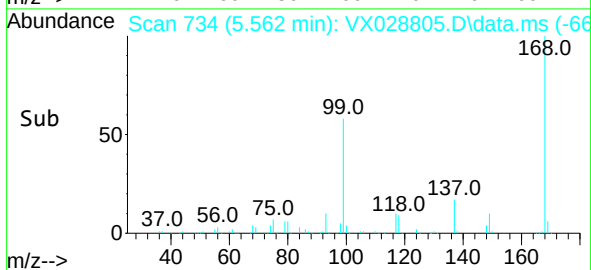
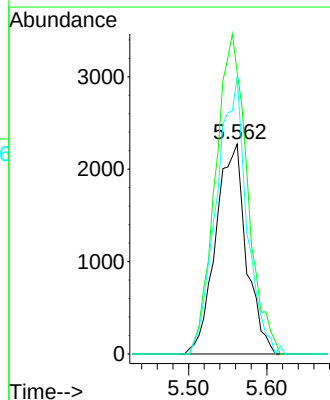
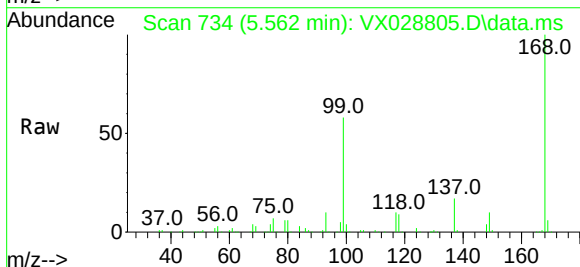
Instrument :
MSVOA_X
ClientSampleId :
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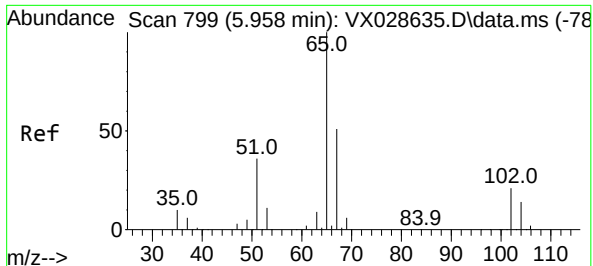
Tgt Ion: 43 Resp: 10461
Ion Ratio Lower Upper
43 100
72 31.0 24.4 36.6



#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.098 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 56 Resp: 6166
Ion Ratio Lower Upper
56 100
69 134.1 26.7 40.1#
84 131.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 48.847 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028805.D

Acq: 18 May 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

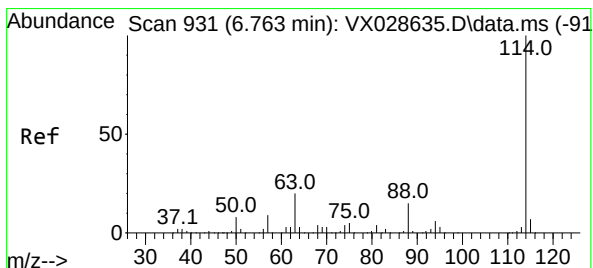
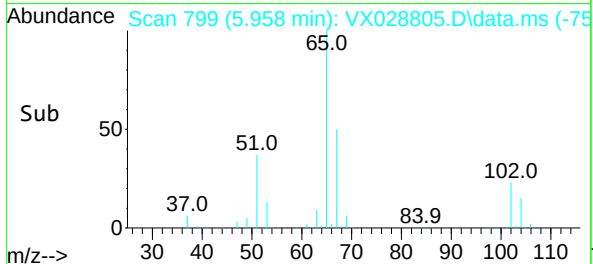
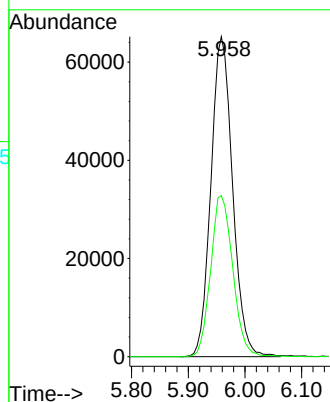
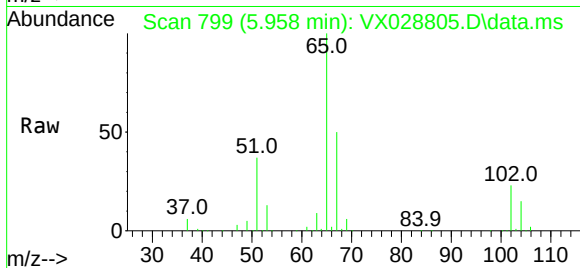
31804

Tgt Ion: 65 Resp: 172703

Ion Ratio Lower Upper

65 100

67 51.6 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: VX028805.D

Acq: 18 May 2022 14:55

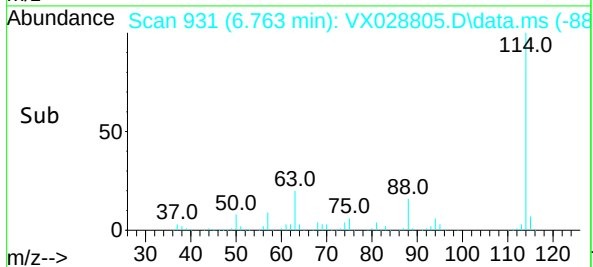
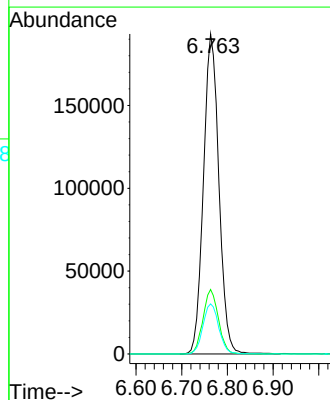
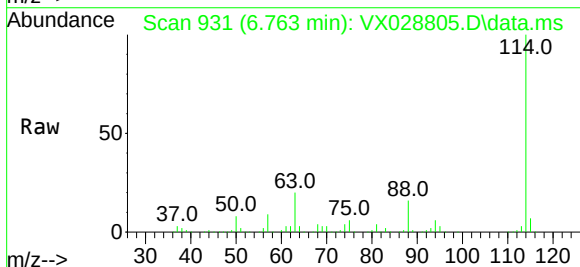
Tgt Ion: 114 Resp: 452519

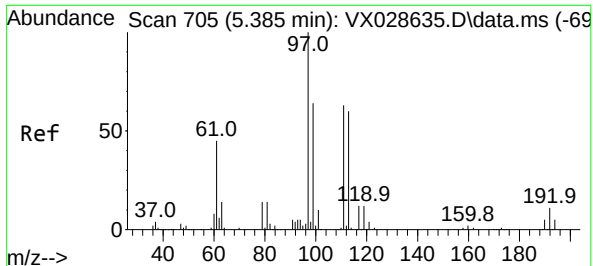
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.8

88 15.6 0.0 32.4

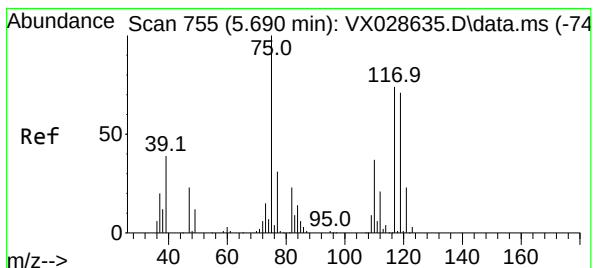
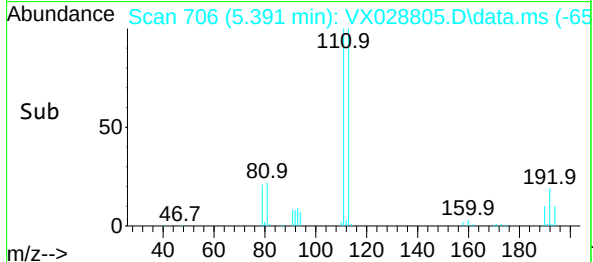
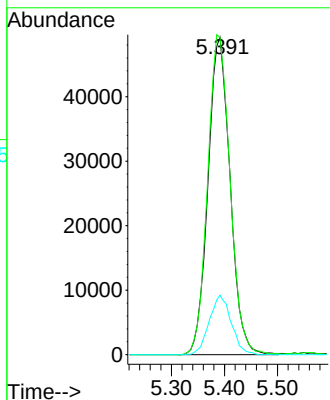
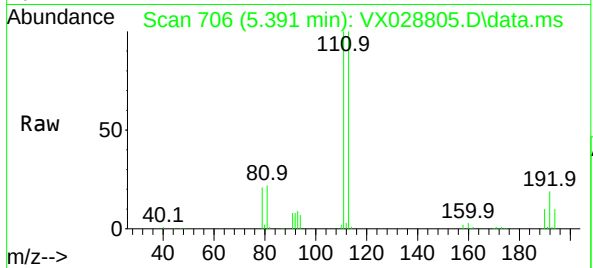




#35
Dibromofluoromethane
Concen: 48.032 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

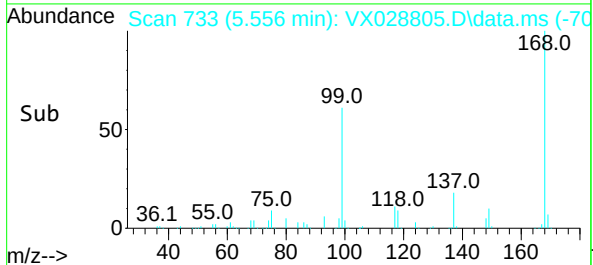
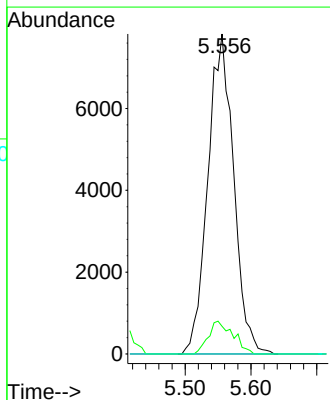
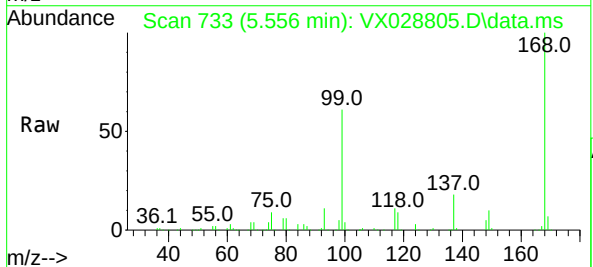
Instrument :
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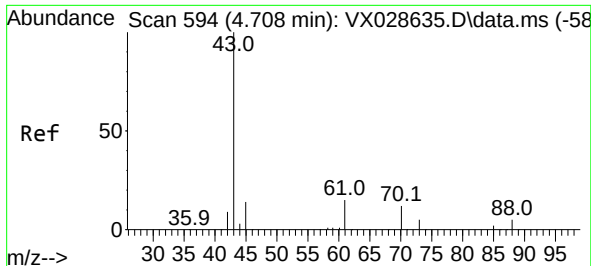
Tgt Ion:113 Resp: 142406
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.789 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 75 Resp: 21326
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.249 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX028805.D

Acq: 18 May 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

31804

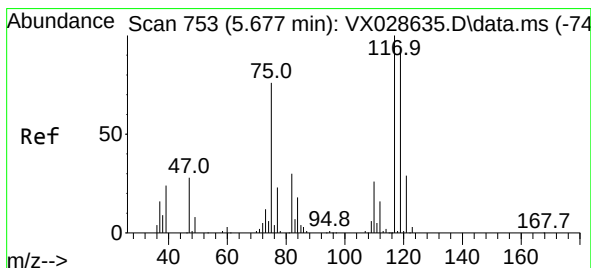
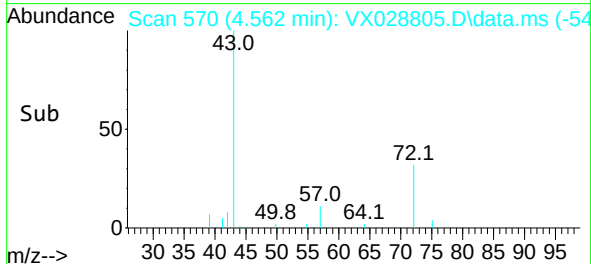
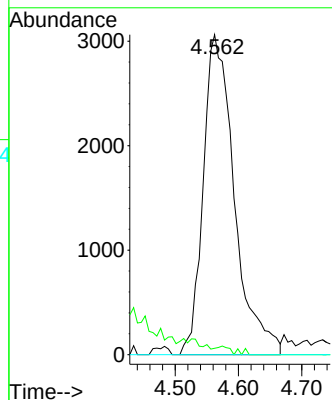
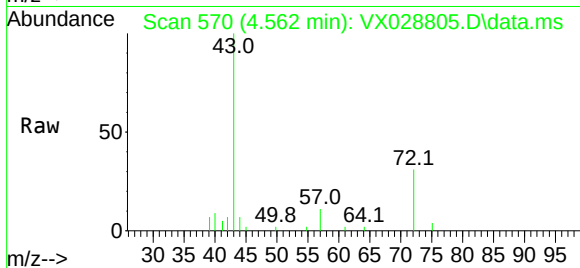
Tgt Ion: 43 Resp: 10461

Ion Ratio Lower Upper

43 100

61 1.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 6.097 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX028805.D

Acq: 18 May 2022 14:55

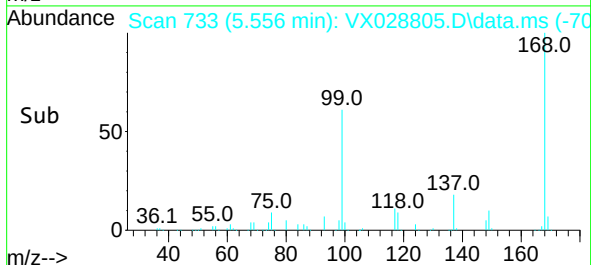
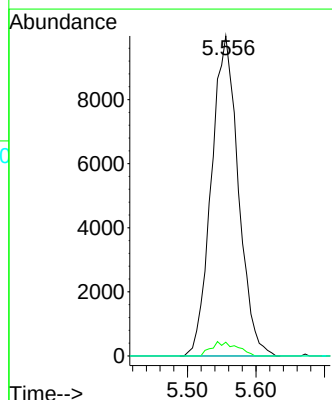
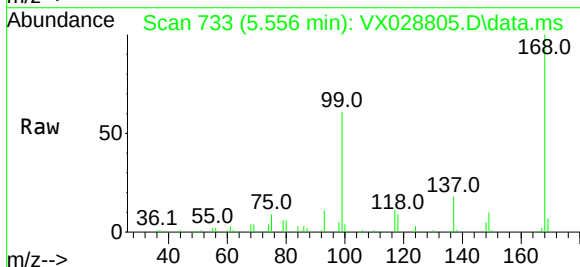
Tgt Ion: 117 Resp: 27322

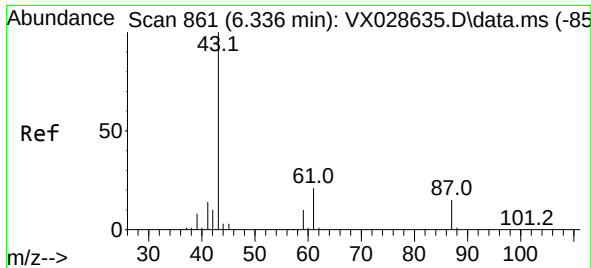
Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 24.2 36.2#

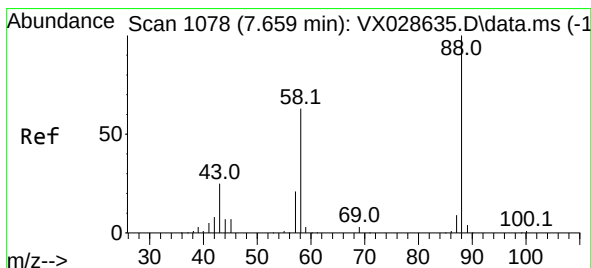
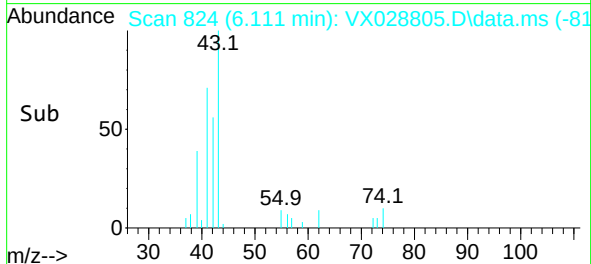
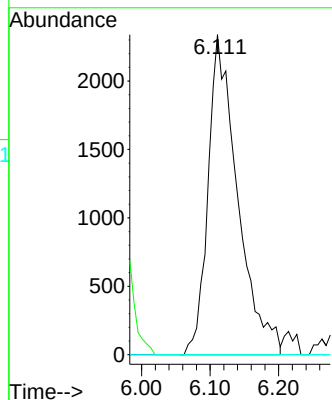
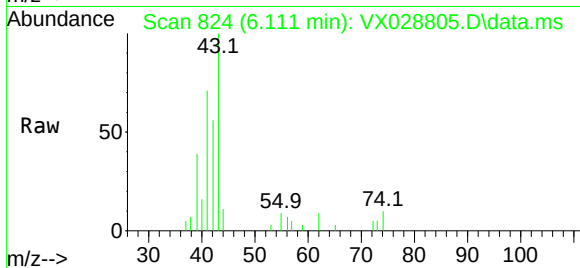




#43
Isopropyl Acetate
Concen: 0.963 ug/l
RT: 6.111 min Scan# 81
Delta R.T. -0.225 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

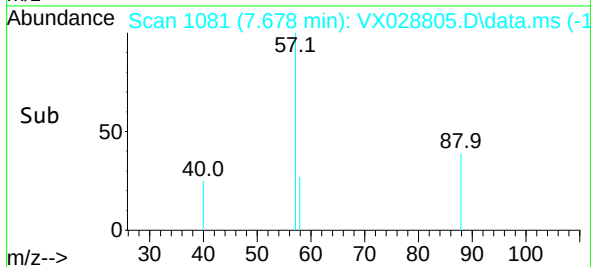
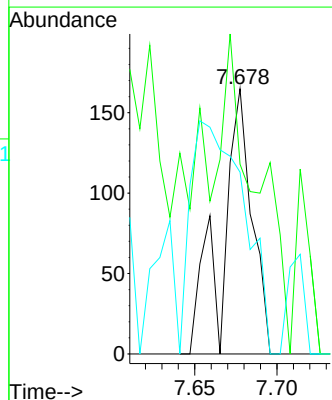
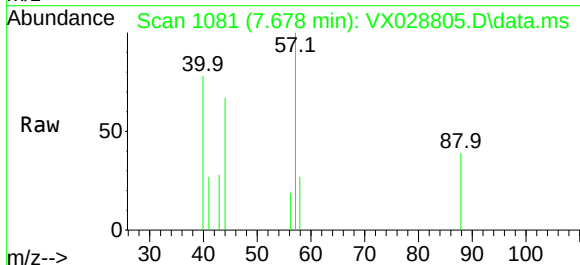
Instrument :
MSVOA_X
ClientSampleId :
31804

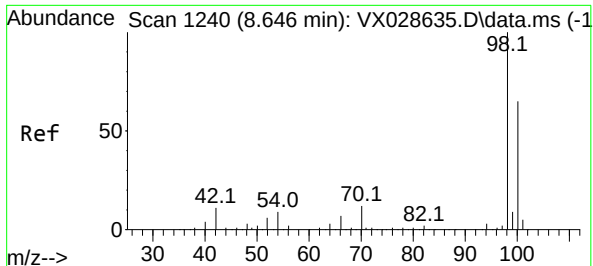
Tgt Ion: 43 Resp: 7009
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#



#49
1,4-Dioxane
Concen: 2.391 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.019 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
43 144.8 21.9 32.9#
58 0.0 53.7 80.5#





#50

Toluene-d8

Concen: 47.444 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.007 min

Lab File: VX028805.D

Acq: 18 May 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

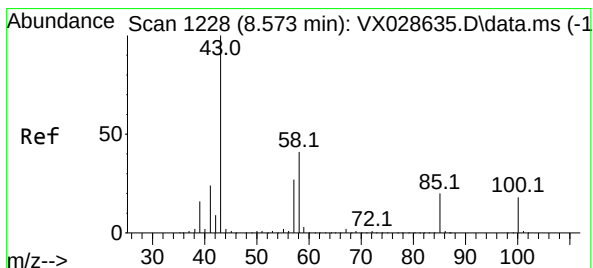
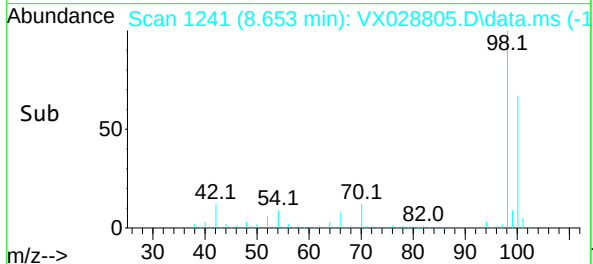
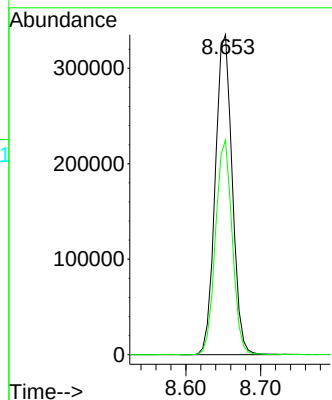
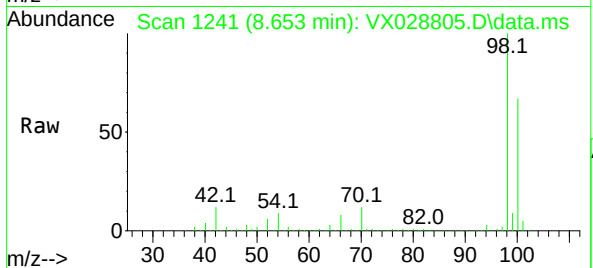
31804

Tgt Ion: 98 Resp: 530324

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.390 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.007 min

Lab File: VX028805.D

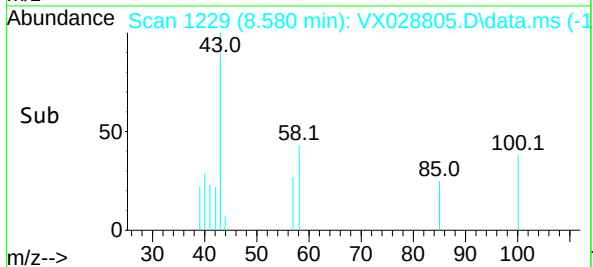
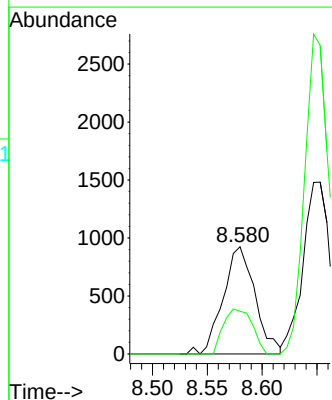
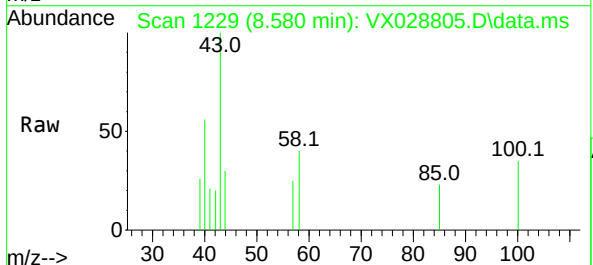
Acq: 18 May 2022 14:55

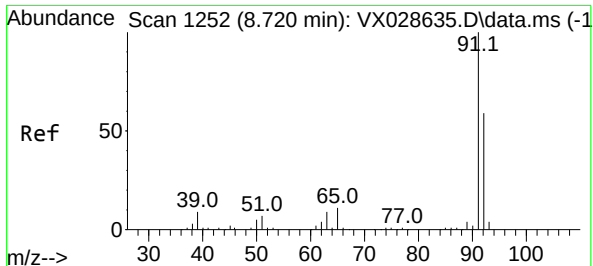
Tgt Ion: 43 Resp: 1870

Ion Ratio Lower Upper

43 100

58 37.9 36.1 54.1

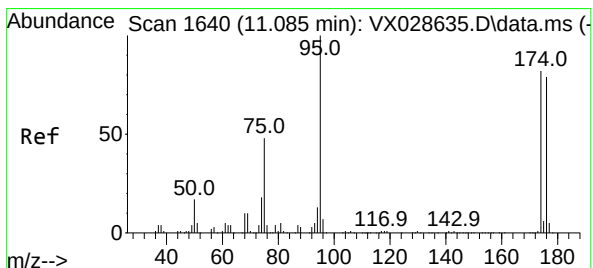
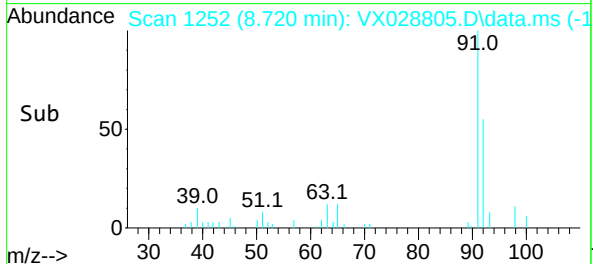
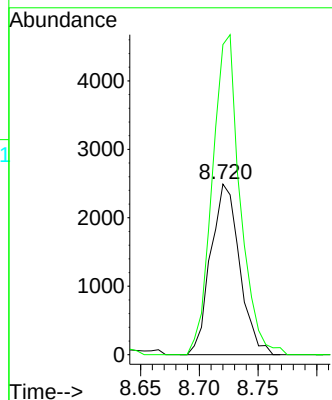
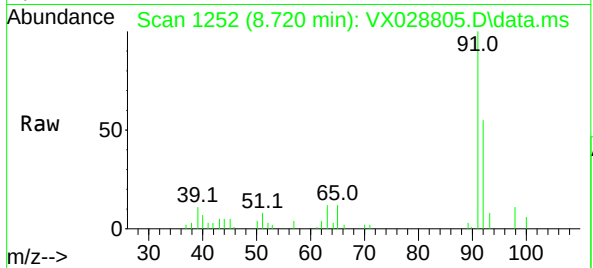




#52
Toluene
Concen: 0.518 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

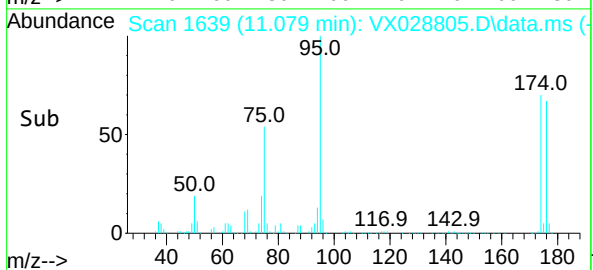
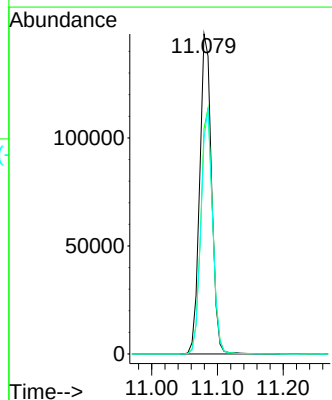
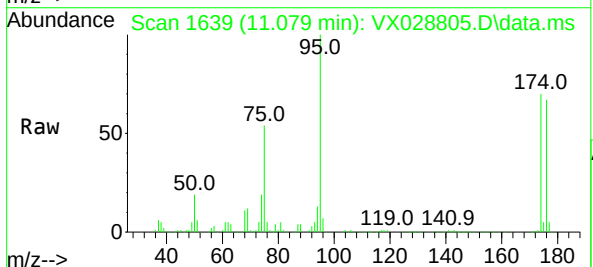
Instrument :
MSVOA_X
ClientSampleId :
31804

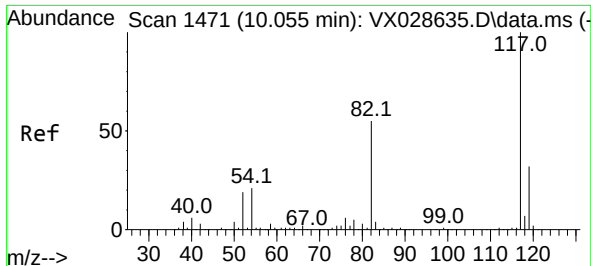
Tgt Ion: 92 Resp: 4264
Ion Ratio Lower Upper
92 100
91 180.4 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 44.463 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 95 Resp: 185636
Ion Ratio Lower Upper
95 100
174 76.8 0.0 163.0
176 75.3 0.0 155.0

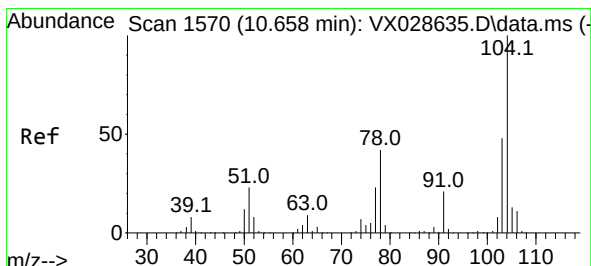
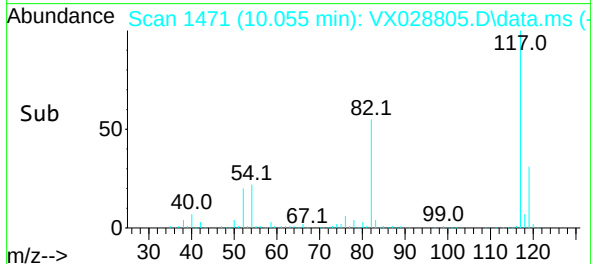
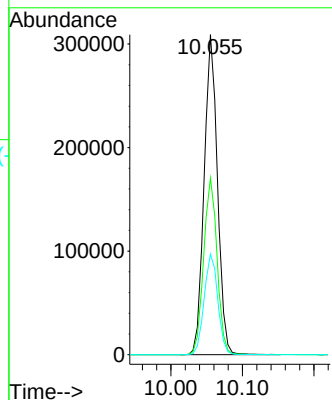
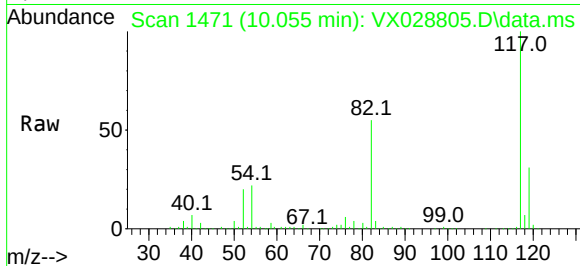




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

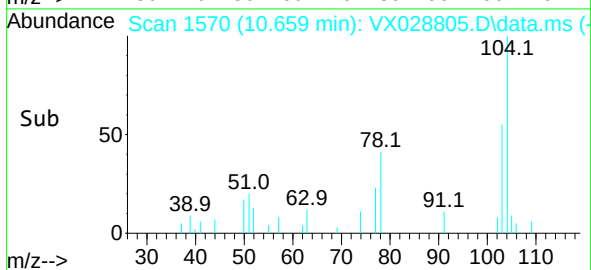
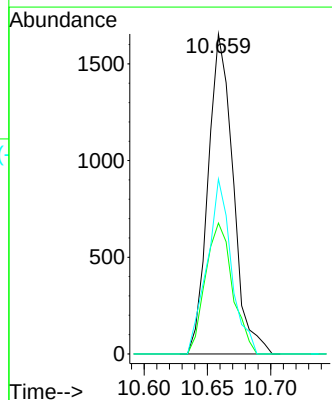
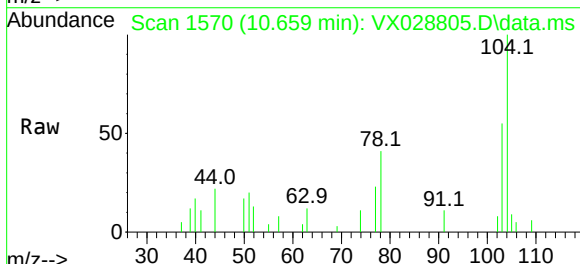
Instrument :
MSVOA_X
ClientSampleId :
31804

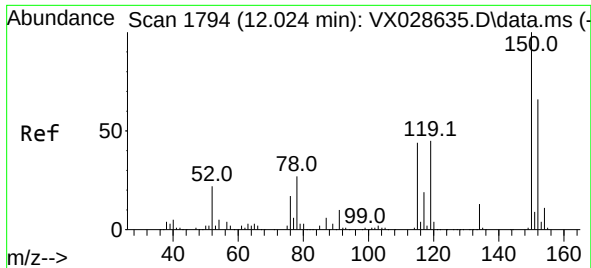
Tgt Ion:117 Resp: 400352
Ion Ratio Lower Upper
117 100
82 55.2 41.8 62.8
119 31.4 24.8 37.2



#70
Styrene
Concen: 0.240 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.001 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion:104 Resp: 2274
Ion Ratio Lower Upper
104 100
78 44.4 38.6 57.8
103 53.0 43.8 65.8

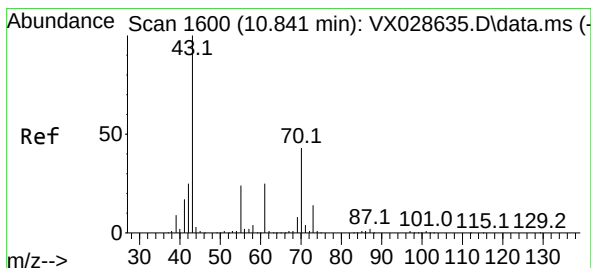
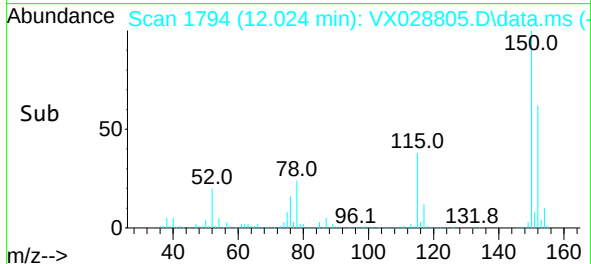
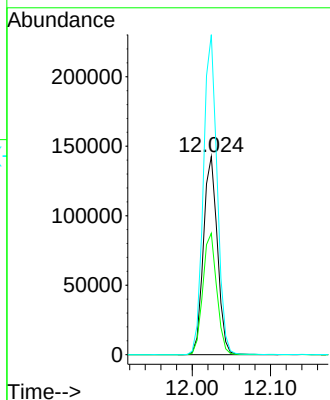
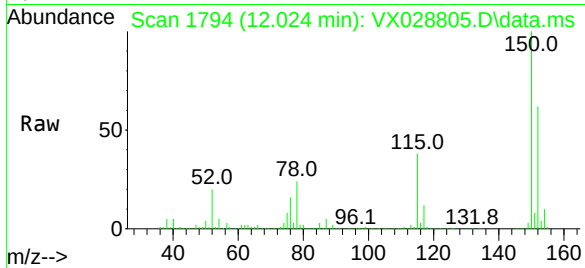




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

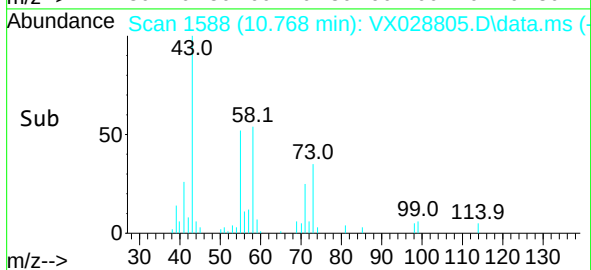
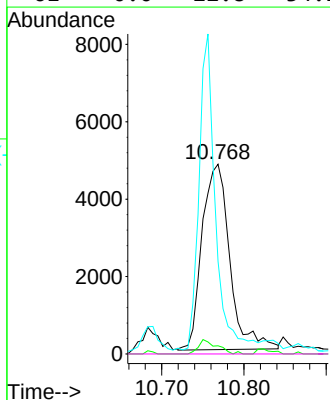
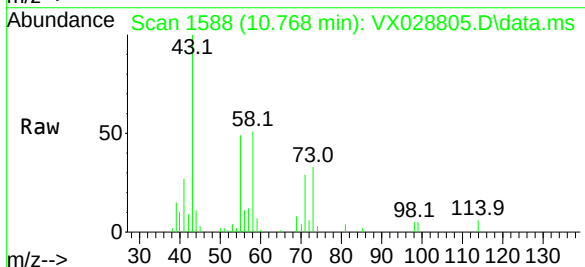
Instrument :
MSVOA_X
ClientSampleId :
31804

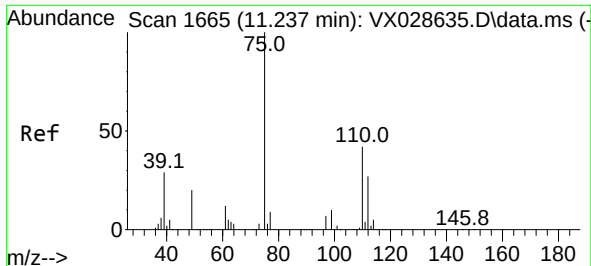
Tgt Ion:152 Resp: 176528
Ion Ratio Lower Upper
152 100
115 61.1 37.5 112.7
150 158.5 0.0 338.2



#74
N-ethyl acetate
Concen: 2.134 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.073 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Tgt Ion: 43 Resp: 11229
Ion Ratio Lower Upper
43 100
70 5.3 42.5 63.7#
55 100.2 23.1 34.7#
61 0.0 22.8 34.2#

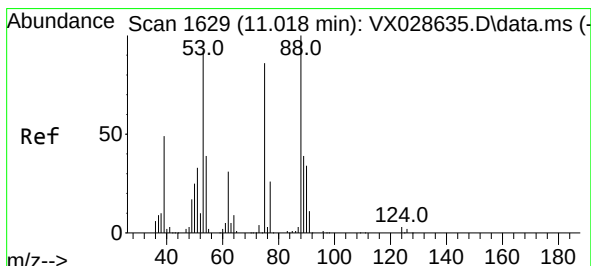
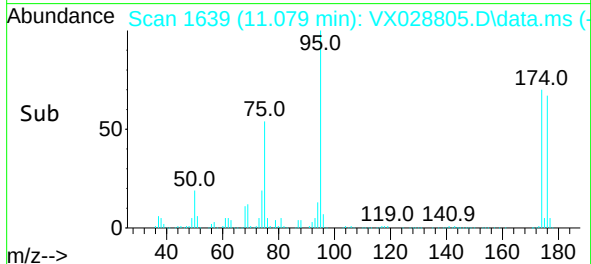
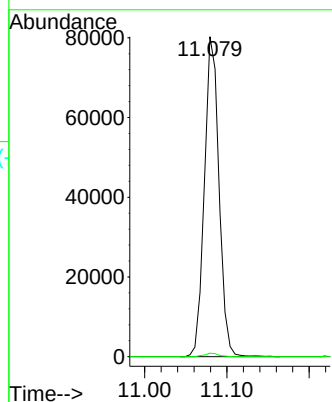
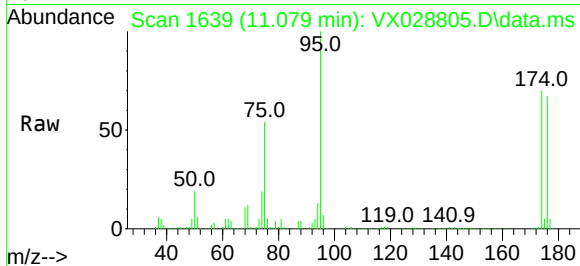




#76
1,2,3-Trichloropropane
Concen: 23.937 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

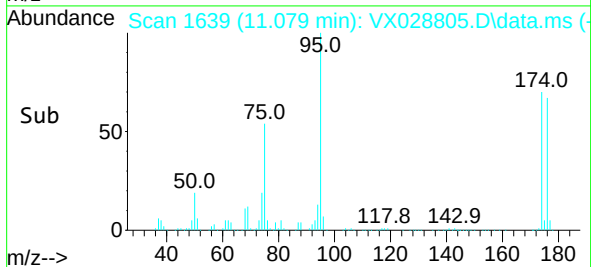
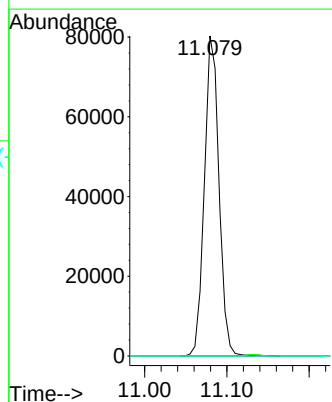
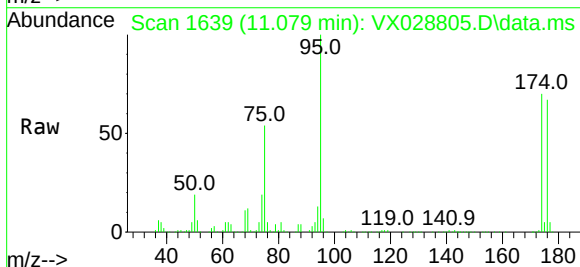
Instrument :
MSVOA_X
ClientSampleId :
31804

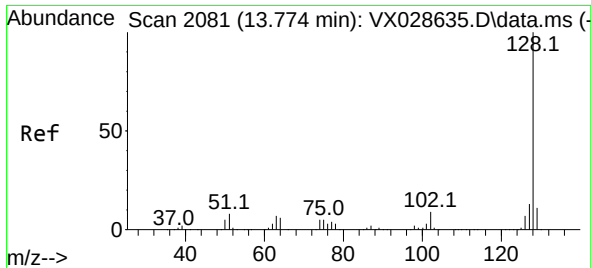
Tgt Ion: 75 Resp: 98959
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.753 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

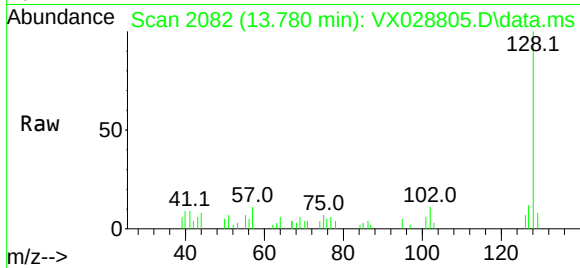
Tgt Ion: 75 Resp: 98959
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.308 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028805.D
Acq: 18 May 2022 14:55

Instrument :
MSVOA_X
ClientSampleId :
31804



Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.2	15.4
129	7.5	8.7	13.1#

