

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051822\
 Data File : VX028804.D
 Acq On : 18 May 2022 14:32
 Operator : JC/MD
 Sample : N2884-10DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31803DL

Quant Time: May 19 01:34:16 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

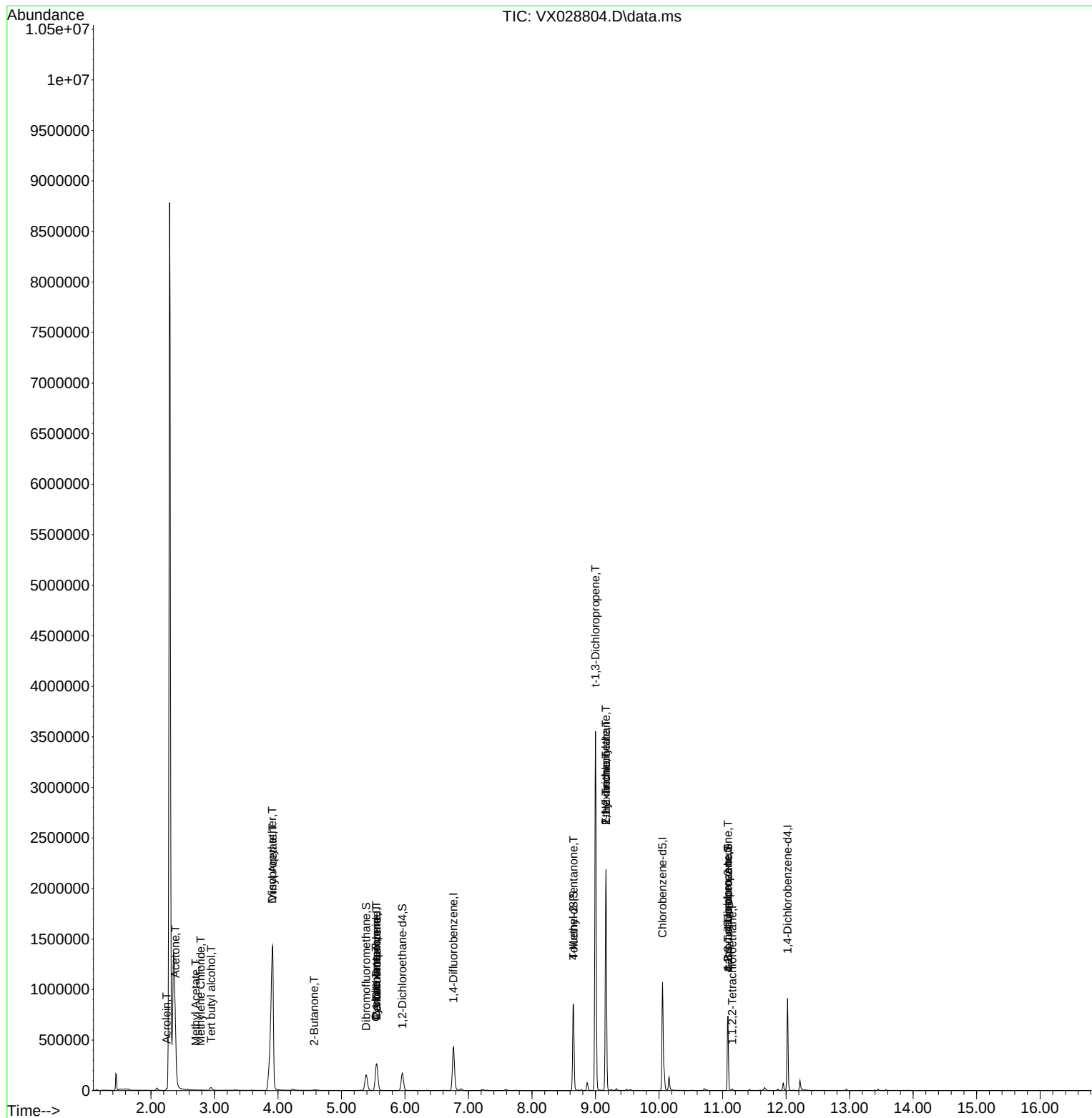
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	251897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	437230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	465707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	180579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166552	48.235	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.480%
35) Dibromofluoromethane	5.385	113	134278	46.874	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.740%
50) Toluene-d8	8.653	98	511614	47.370	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.740%
62) 4-Bromofluorobenzene	11.085	95	190711	47.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.560%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	631	Below Cal		98
6) Chloroethane	1.672	64	1054	Below Cal	#	70
11) Tert butyl alcohol	2.947	59	18561	17.923	ug/l #	75
13) Acrolein	2.245	56	16580	29.254	ug/l	99
16) Acetone	2.386	43	324090	218.697	ug/l #	1
18) Methyl Acetate	2.703	43	1588	0.428	ug/l #	76
20) Methylene Chloride	2.782	84	936	0.301	ug/l	88
22) Diisopropyl ether	3.910	45	113428	12.694	ug/l #	1
23) Vinyl Acetate	3.916	43	290756	37.746	ug/l #	66
25) 2-Butanone	4.568	43	7834	3.368	ug/l	92
31) Cyclohexane	5.544	56	5909	1.233	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	19766	4.594	ug/l #	49
38) Carbon Tetrachloride	5.550	117	26233	6.058	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	2387	0.515	ug/l #	1
53) t-1,3-Dichloropropene	9.000	75	5897	2.799	ug/l #	43
55) 1,1,2-Trichloroethane	9.165	97	941	0.290	ug/l #	1
56) Ethyl methacrylate	9.165	69	2144	0.436	ug/l #	1
59) 2-Hexanone	9.165	43	130256	36.202	ug/l	87
75) 1,1,2,2-Tetrachloroethane	11.152	83	4907	1.044	ug/l #	37
76) 1,2,3-Trichloropropane	11.085	75	100303	23.718	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	100303	69.150	ug/l #	15

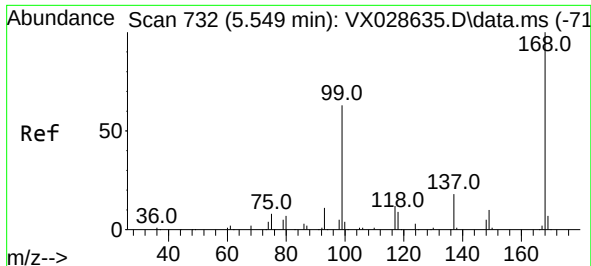
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

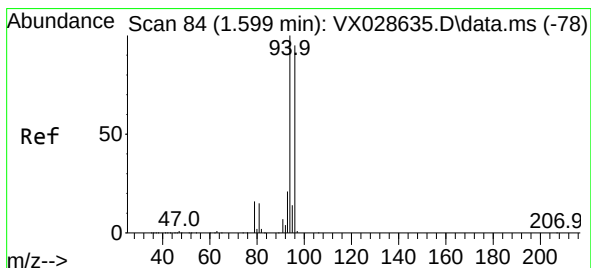
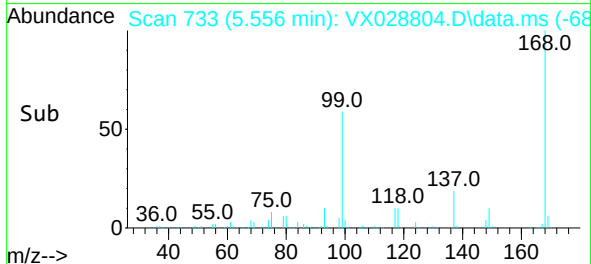
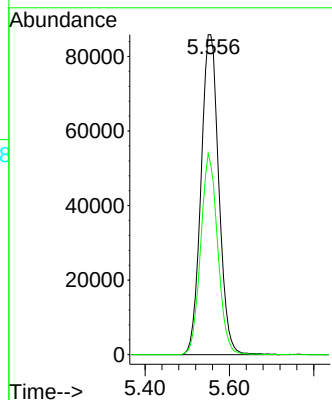
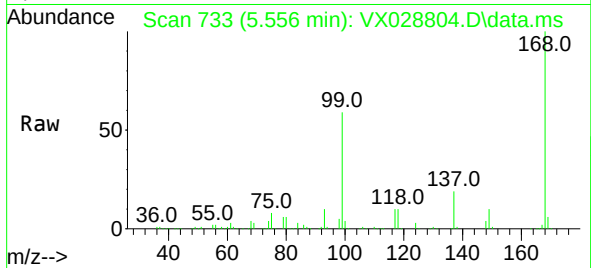




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

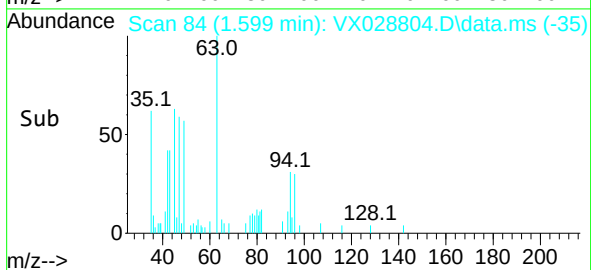
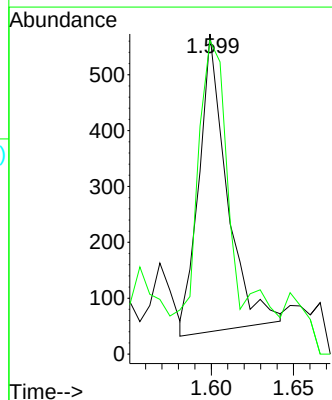
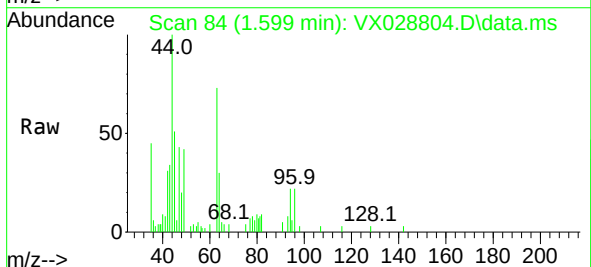
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MSVOA_X
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31803DL

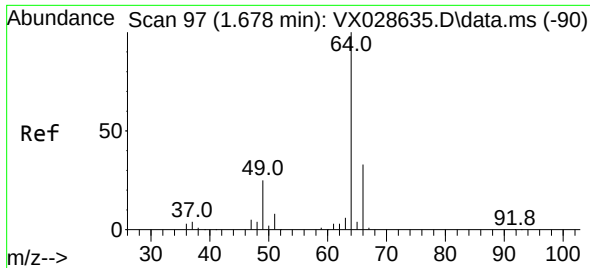
Tgt Ion:168 Resp: 251897
Ion Ratio Lower Upper
168 100
99 59.4 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion: 94 Resp: 631
Ion Ratio Lower Upper
94 100
96 96.5 75.3 112.9

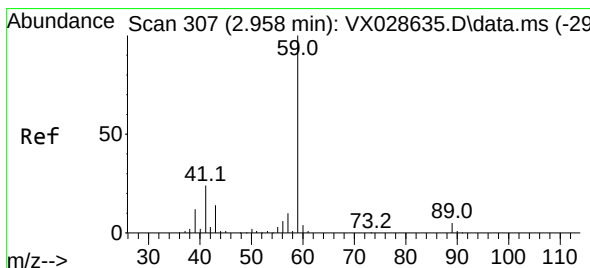
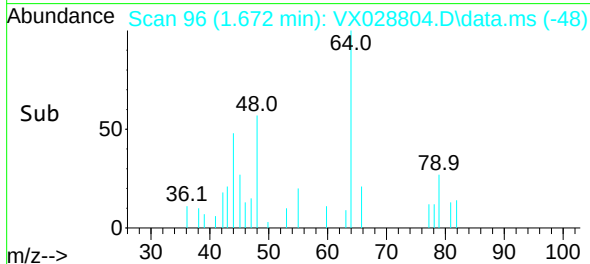
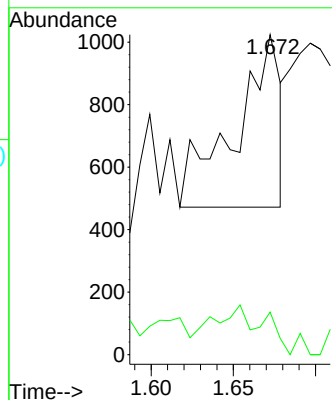
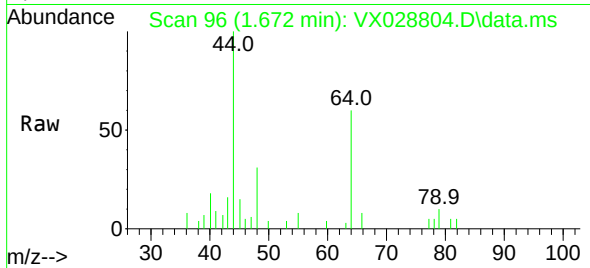




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

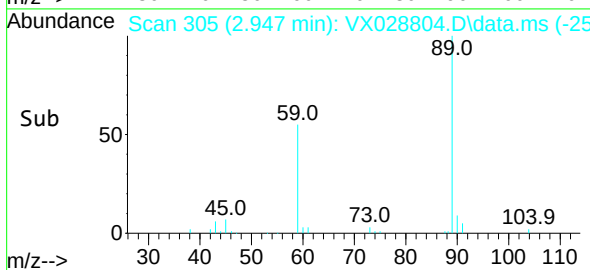
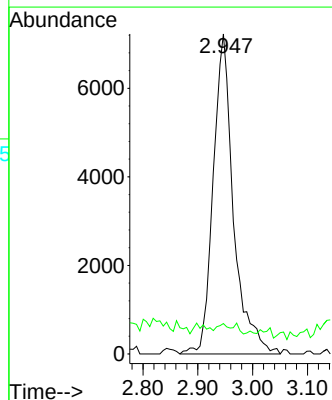
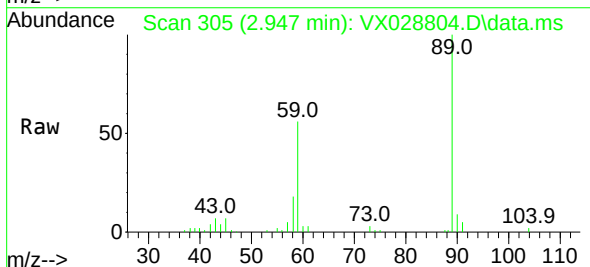
Instrument :
MSVOA_X
ClientSampleId :
31803DL

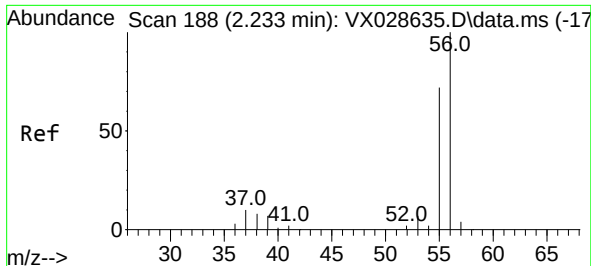
Tgt Ion: 64 Resp: 1054
Ion Ratio Lower Upper
64 100
66 15.2 25.3 37.9#



#11
Tert butyl alcohol
Concen: 17.923 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion: 59 Resp: 18561
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#





#13

Acrolein

Concen: 29.254 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX028804.D

Acq: 18 May 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

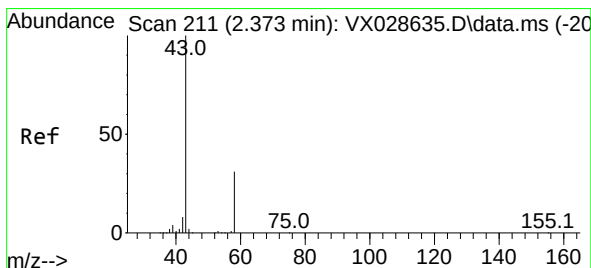
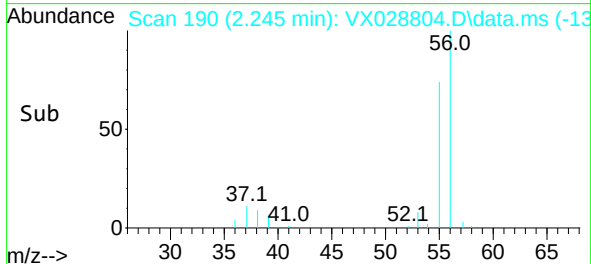
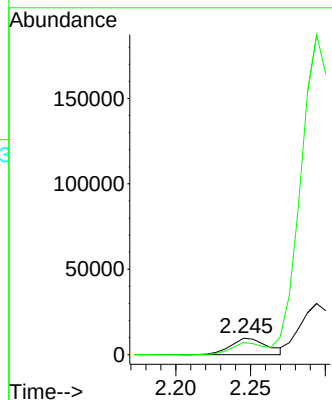
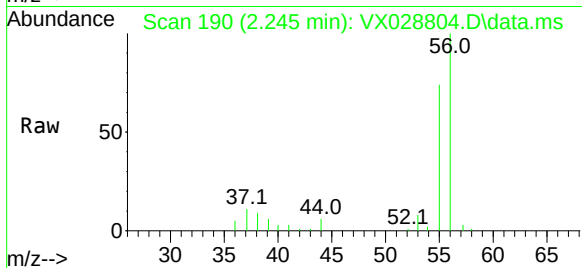
31803DL

Tgt Ion: 56 Resp: 16580

Ion Ratio Lower Upper

56 100

55 67.8 55.0 82.6



#16

Acetone

Concen: 218.697 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX028804.D

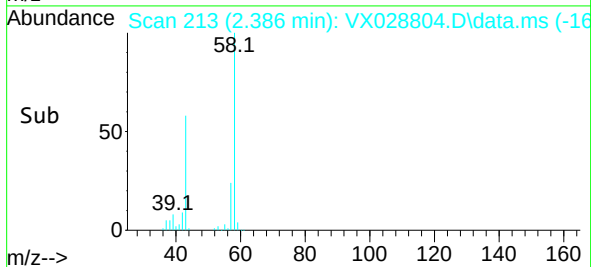
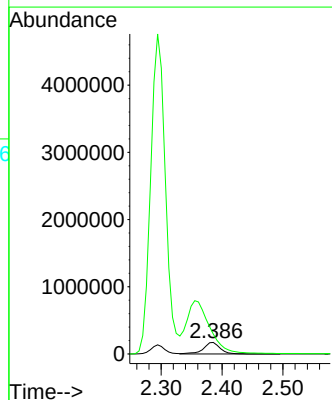
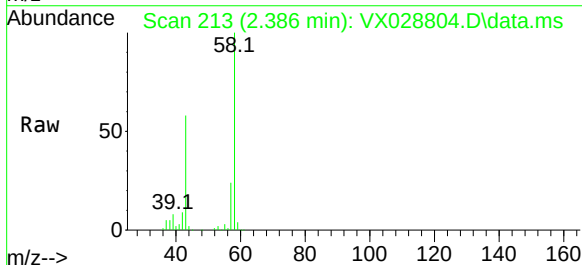
Acq: 18 May 2022 14:32

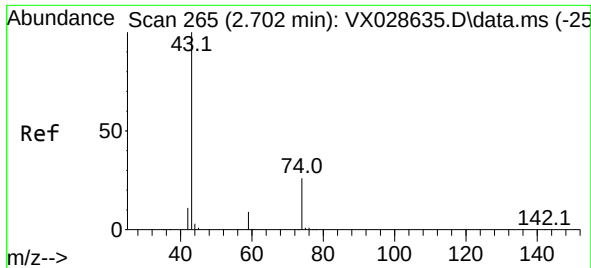
Tgt Ion: 43 Resp: 324090

Ion Ratio Lower Upper

43 100

58 168.5 28.8 43.2#

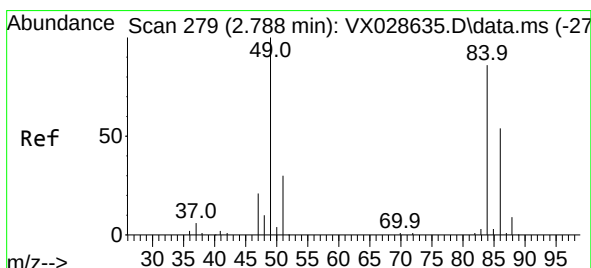
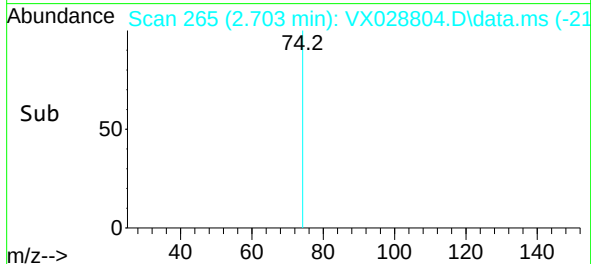
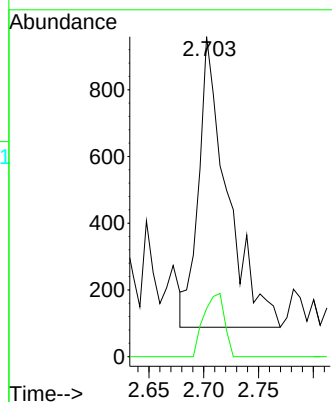
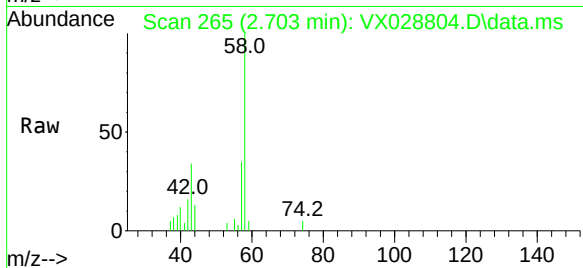




#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

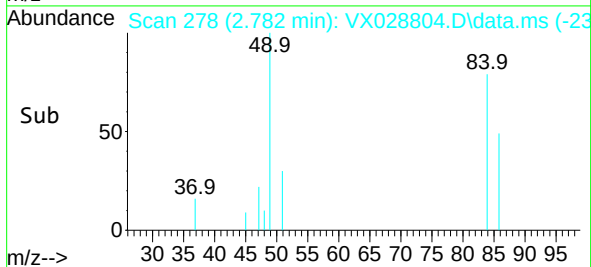
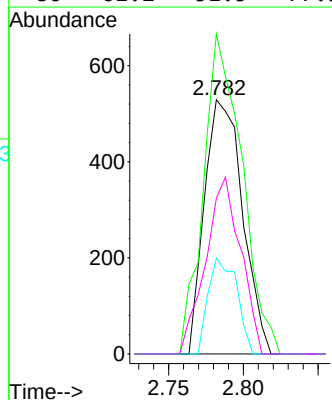
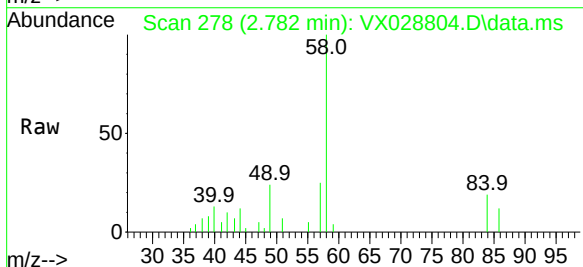
Instrument :
MSVOA_X
ClientSampleId :
31803DL

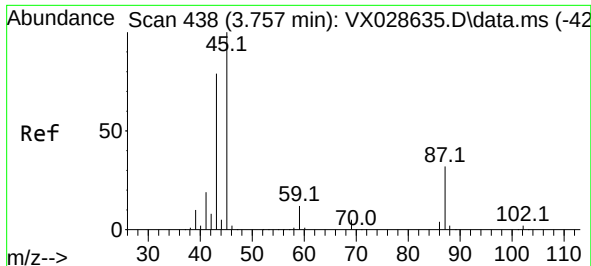
Tgt Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
74 15.7 22.8 34.2#



#20
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion: 84 Resp: 936
Ion Ratio Lower Upper
84 100
49 125.9 85.5 128.3
51 37.6 26.6 39.8
86 61.2 51.5 77.3

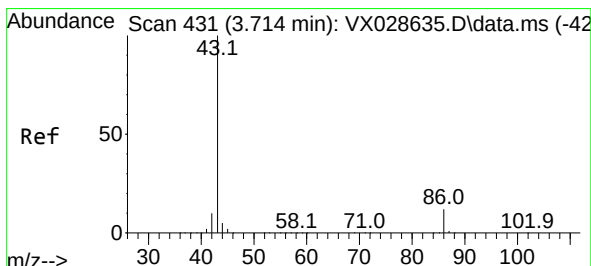
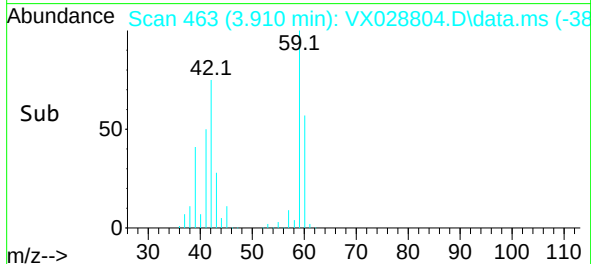
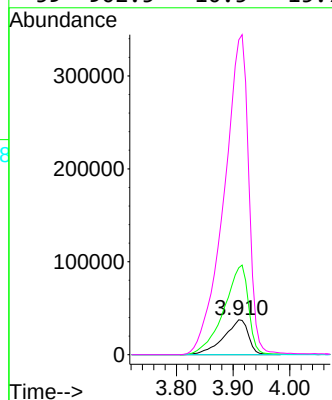
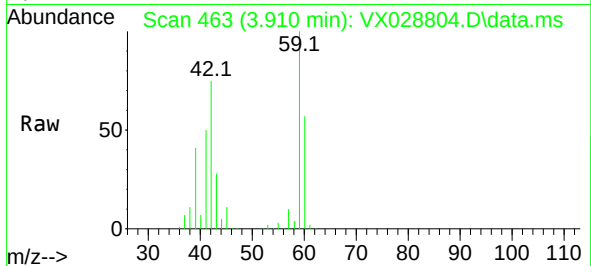




#22
Diisopropyl ether
Concen: 12.694 ug/l
RT: 3.910 min Scan# 41
Delta R.T. 0.153 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

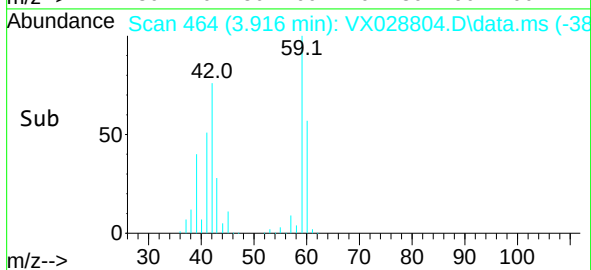
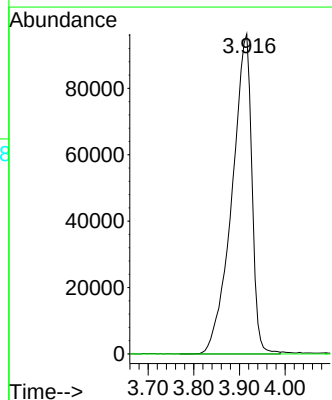
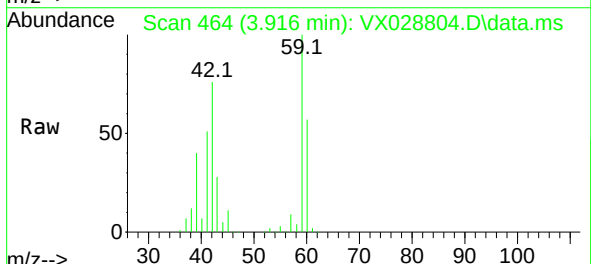
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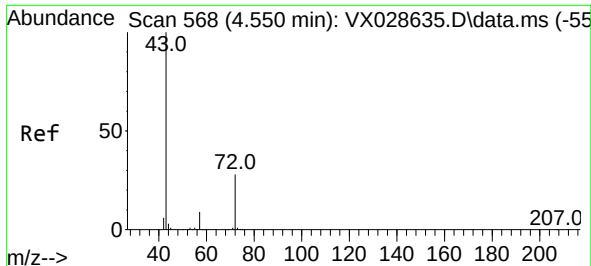
Tgt Ion: 45 Resp: 113428
Ion Ratio Lower Upper
45 100
43 248.9 50.8 76.2#
87 0.0 26.6 39.8#
59 902.5 10.5 15.7#



#23
Vinyl Acetate
Concen: 37.746 ug/l
RT: 3.916 min Scan# 464
Delta R.T. 0.202 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion: 43 Resp: 290756
Ion Ratio Lower Upper
43 100
86 0.0 10.8 16.2#

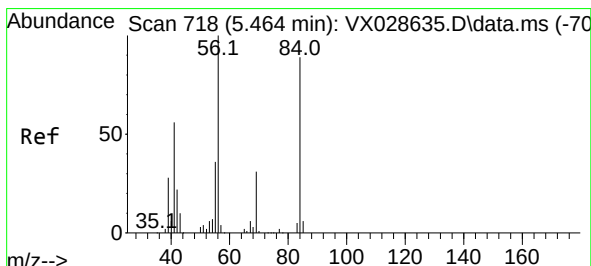
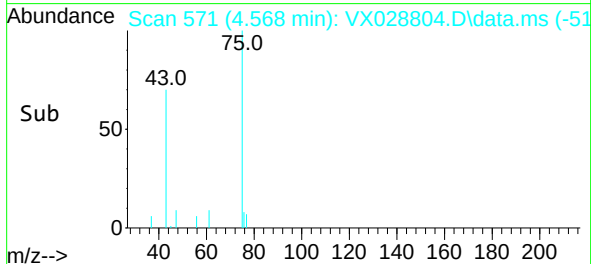
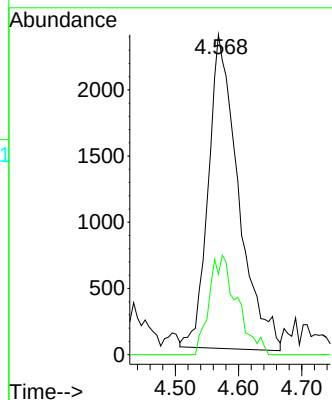
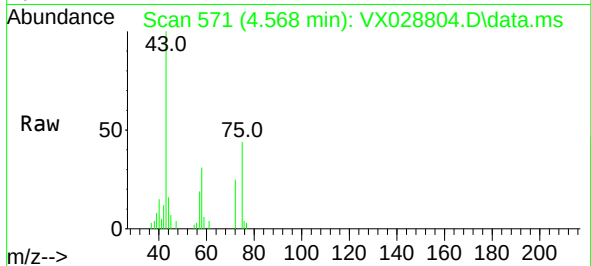




#25
2-Butanone
Concen: 3.368 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

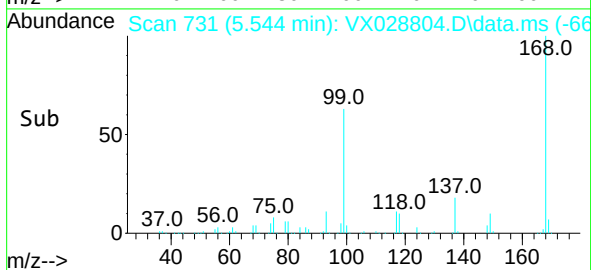
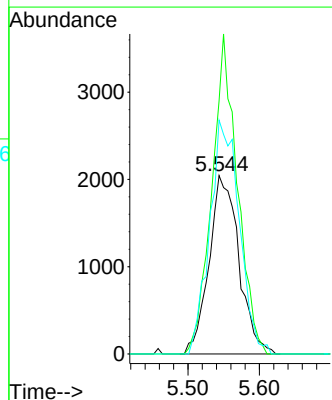
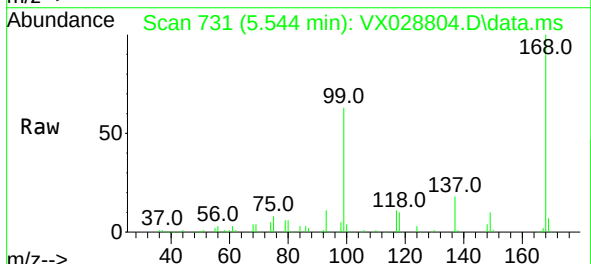
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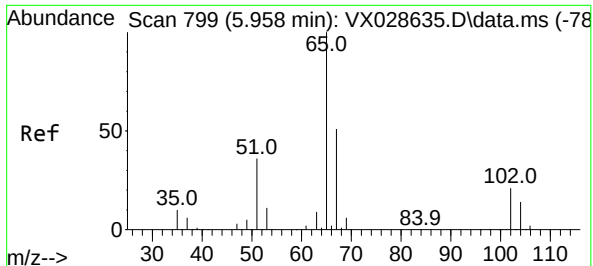
Tgt Ion: 43 Resp: 7834
Ion Ratio Lower Upper
43 100
72 26.1 24.4 36.6



#31
Cyclohexane
Concen: 1.233 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.080 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion: 56 Resp: 5909
Ion Ratio Lower Upper
56 100
69 141.8 26.7 40.1#
84 131.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 48.235 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028804.D

Acq: 18 May 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

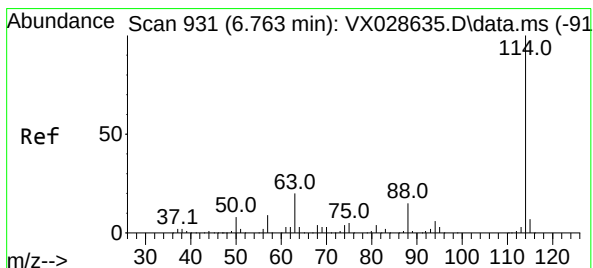
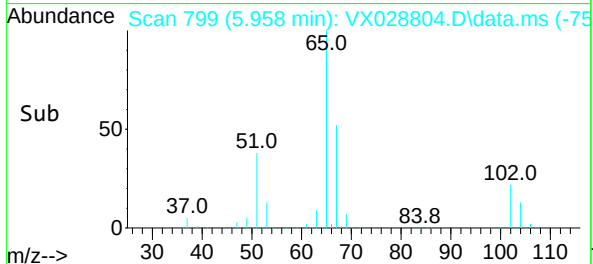
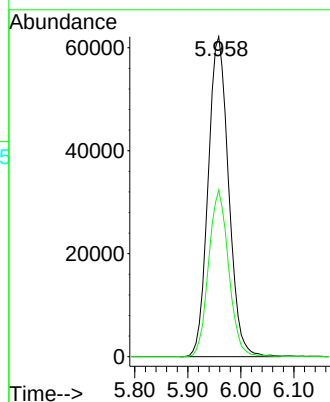
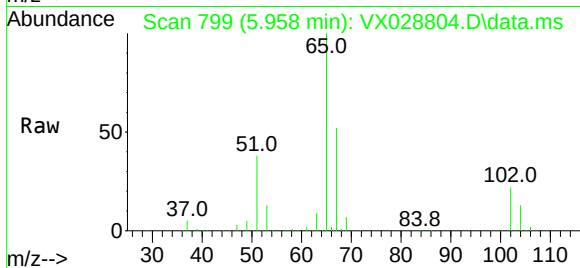
31803DL

Tgt Ion: 65 Resp: 166552

Ion Ratio Lower Upper

65 100

67 51.0 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: VX028804.D

Acq: 18 May 2022 14:32

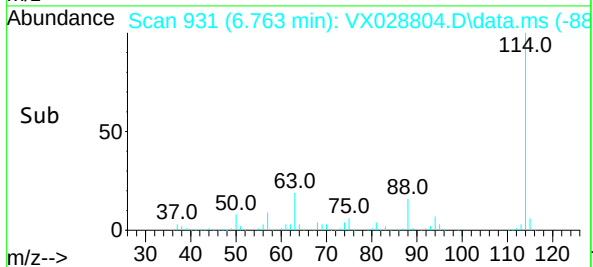
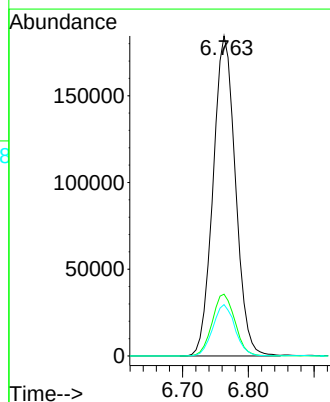
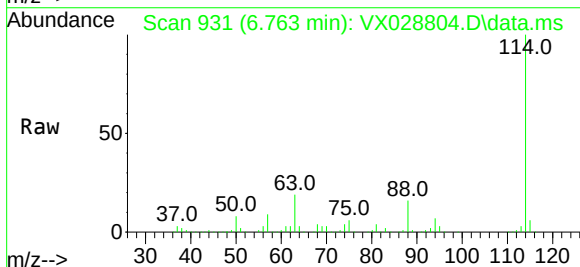
Tgt Ion: 114 Resp: 437230

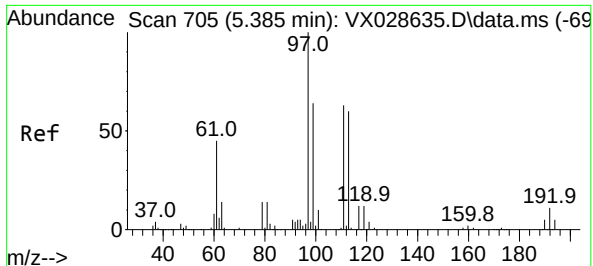
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.8

88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.874 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028804.D

Acq: 18 May 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

31803DL

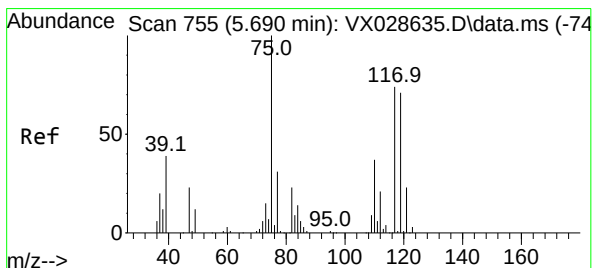
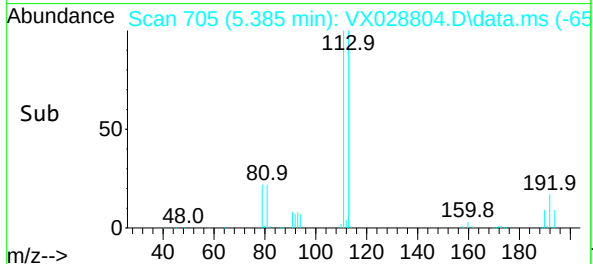
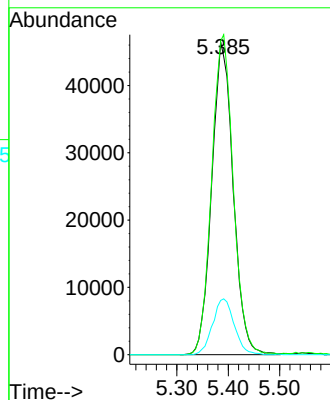
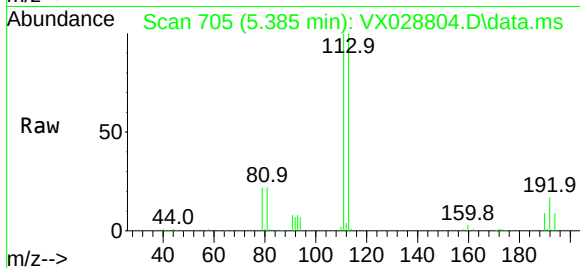
Tgt Ion:113 Resp: 134278

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 18.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.594 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX028804.D

Acq: 18 May 2022 14:32

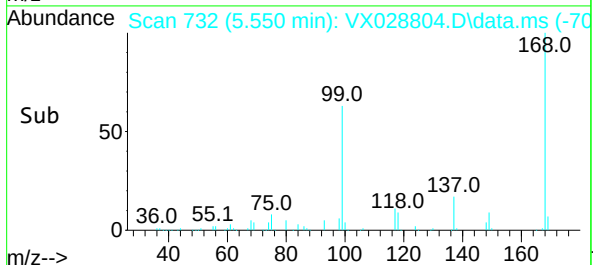
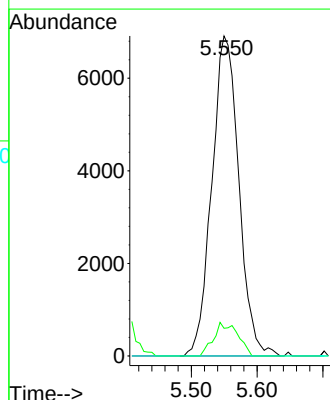
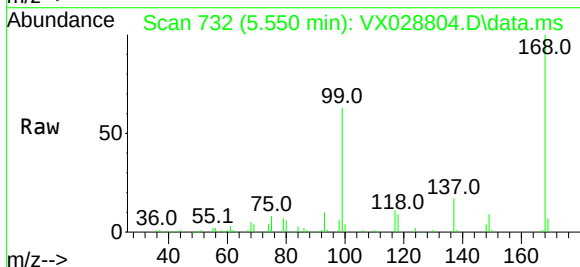
Tgt Ion: 75 Resp: 19766

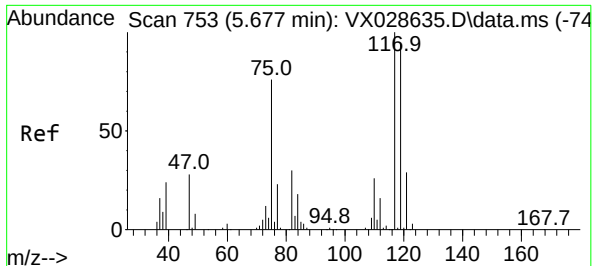
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

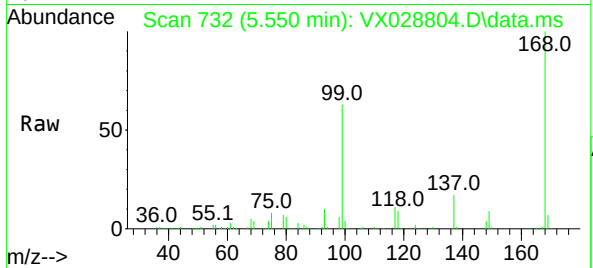
77 0.0 24.8 37.2#



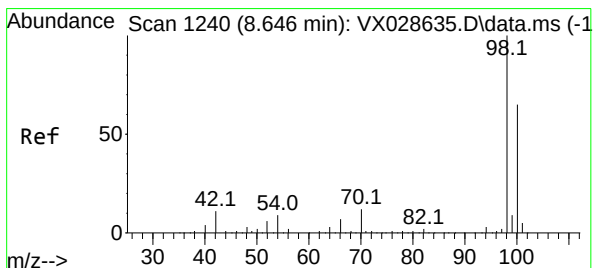
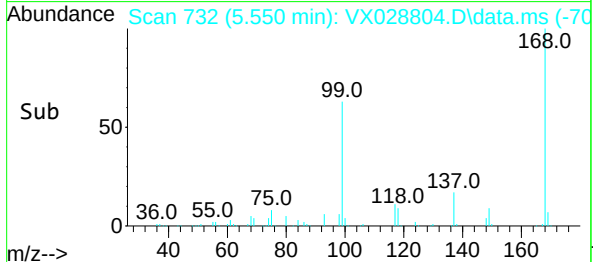
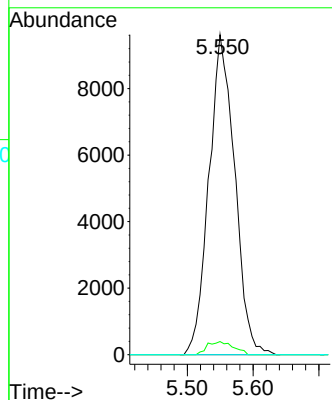


#38
Carbon Tetrachloride
Concen: 6.058 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Instrument :
MSVOA_X
ClientSampleId :
31803DL

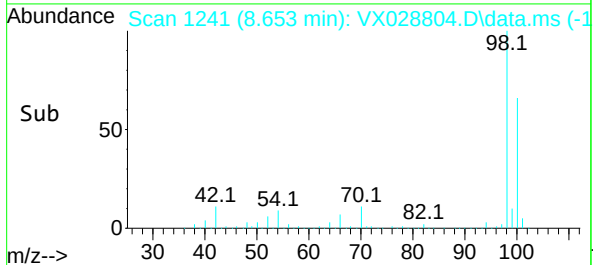
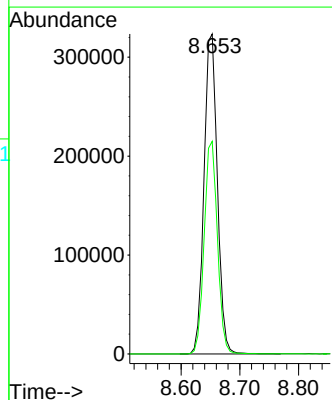
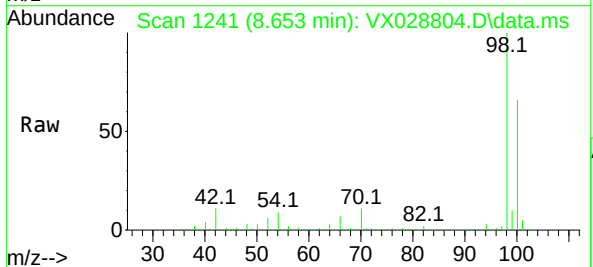


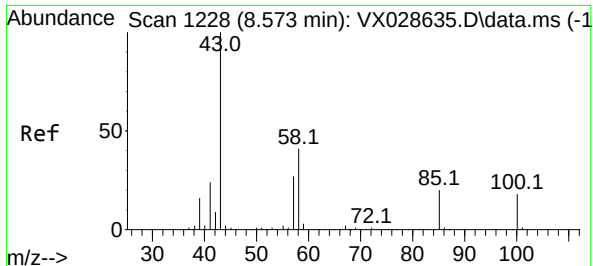
Tgt Ion:117 Resp: 26233
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.370 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion: 98 Resp: 511614
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

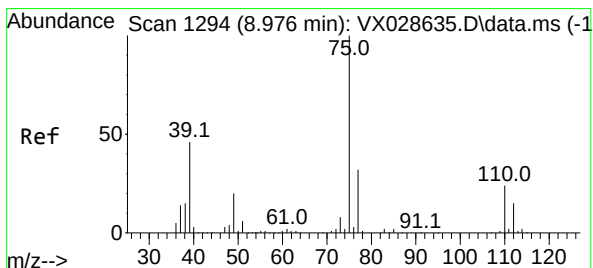
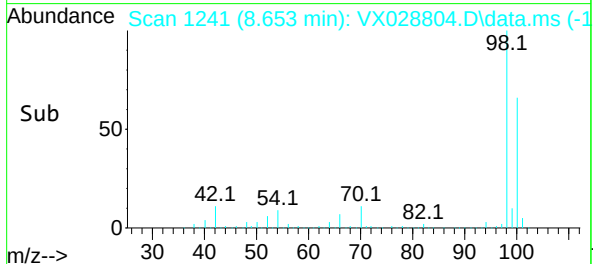
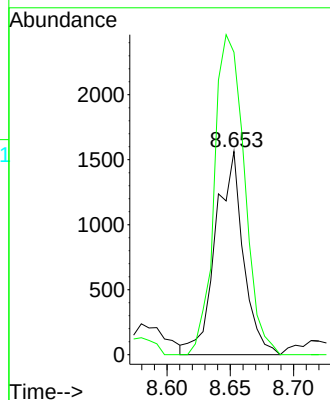
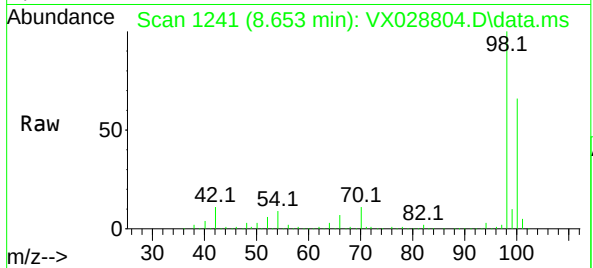




#51
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.080 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

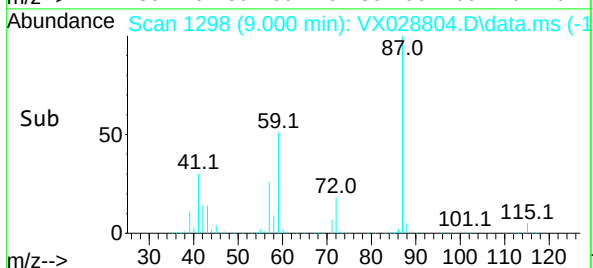
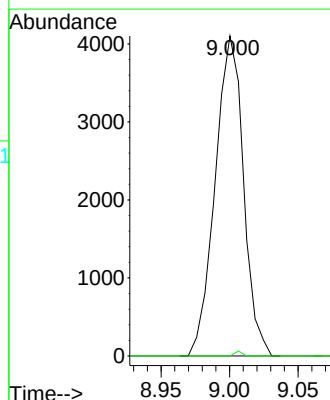
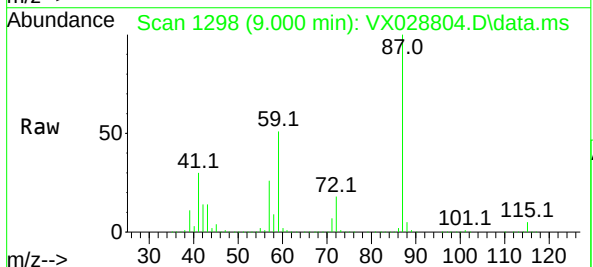
Instrument :
MSVOA_X
ClientSampleId :
31803DL

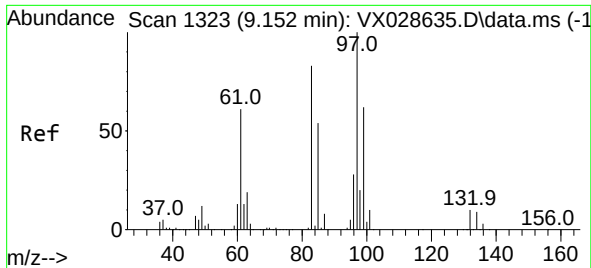
Tgt Ion: 43 Resp: 2387
Ion Ratio Lower Upper
43 100
58 170.2 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 2.799 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.024 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion: 75 Resp: 5897
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#55

1,1,2-Trichloroethane

Concen: 0.290 ug/l

RT: 9.165 min Scan# 1325

Delta R.T. 0.013 min

Lab File: VX028804.D

Acq: 18 May 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

31803DL

Tgt Ion: 97 Resp: 941

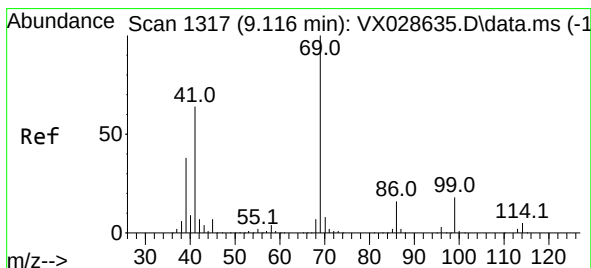
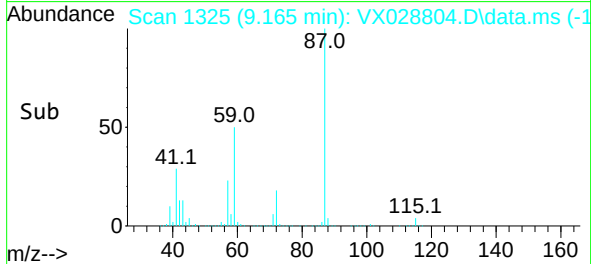
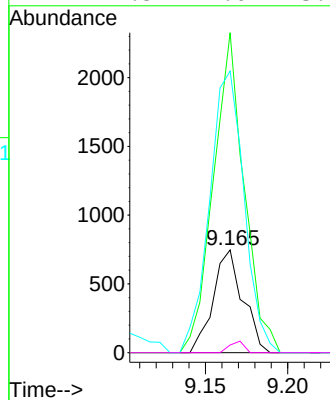
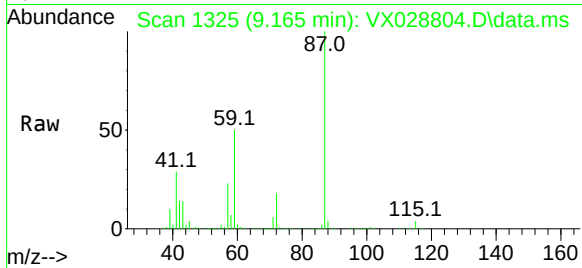
Ion Ratio Lower Upper

97 100

83 311.5 66.2 99.4#

85 274.2 42.9 64.3#

99 7.5 49.0 73.6#



#56

Ethyl methacrylate

Concen: 0.436 ug/l

RT: 9.165 min Scan# 1325

Delta R.T. 0.049 min

Lab File: VX028804.D

Acq: 18 May 2022 14:32

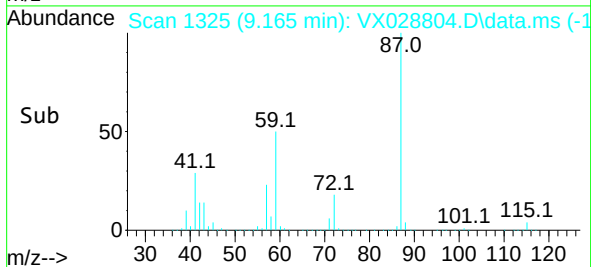
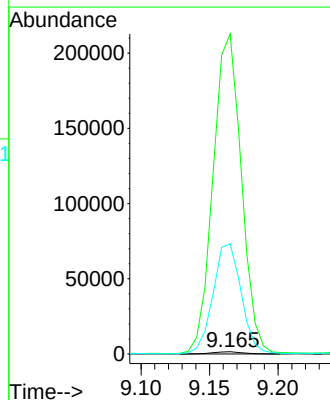
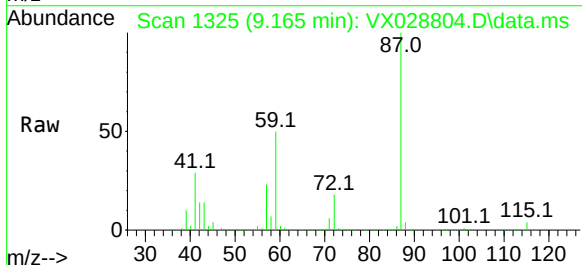
Tgt Ion: 69 Resp: 2144

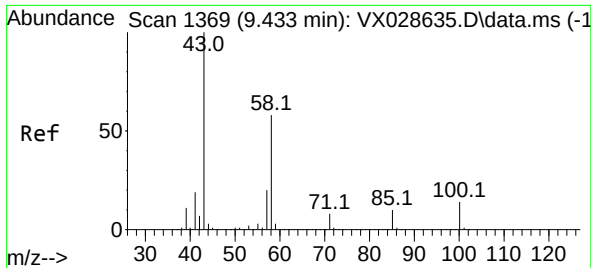
Ion Ratio Lower Upper

69 100

41 14225.5 43.8 65.6#

39 4886.3 22.2 33.2#

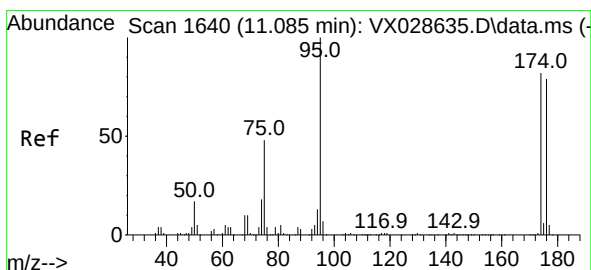
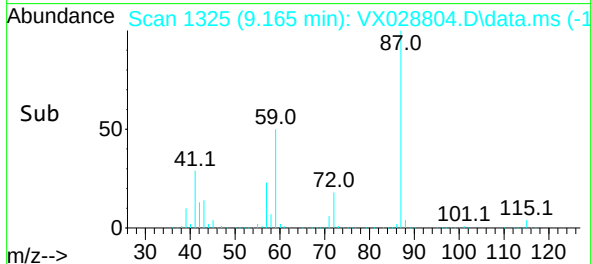
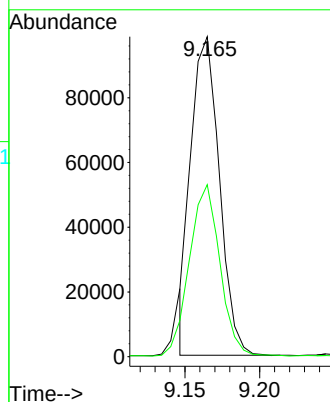
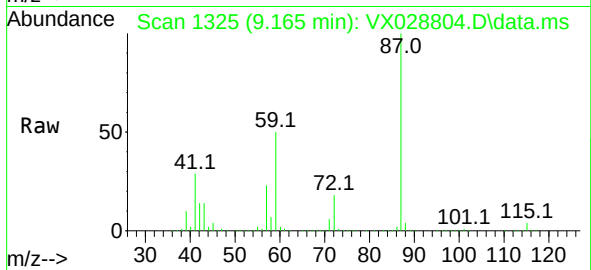




#59
2-Hexanone
Concen: 36.202 ug/l
RT: 9.165 min Scan# 11
Delta R.T. -0.268 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

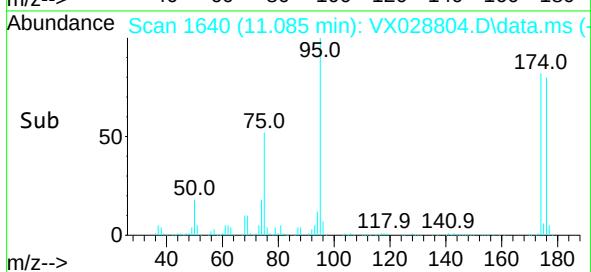
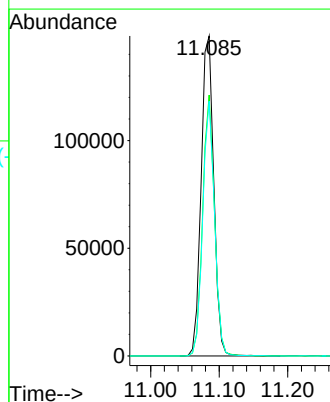
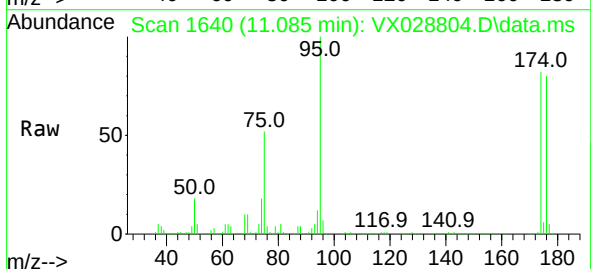
Instrument :
MSVOA_X
ClientSampleId :
31803DL

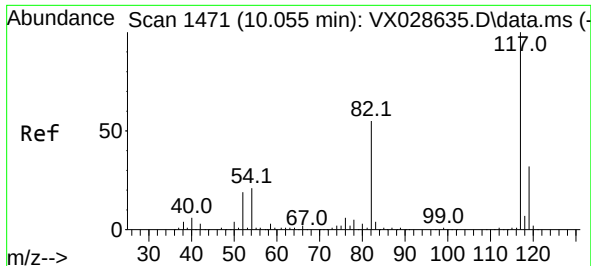
Tgt Ion: 43 Resp: 130256
Ion Ratio Lower Upper
43 100
58 53.8 31.9 95.7



#62
4-Bromofluorobenzene
Concen: 47.276 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion: 95 Resp: 190711
Ion Ratio Lower Upper
95 100
174 76.5 0.0 163.0
176 74.7 0.0 155.0

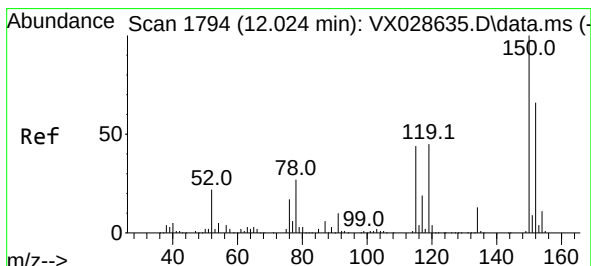
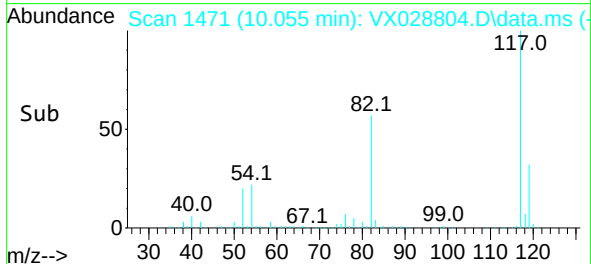
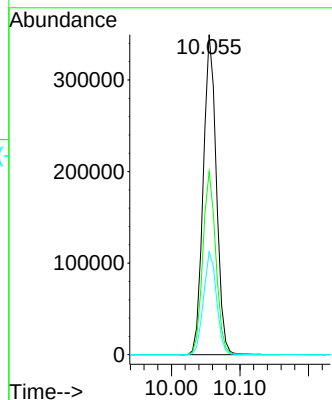
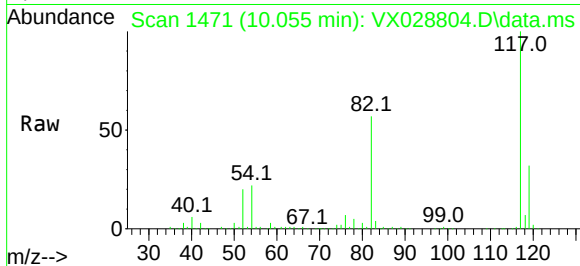




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

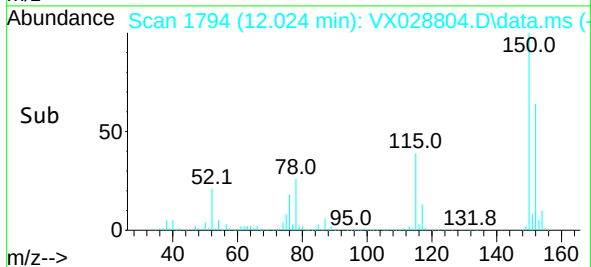
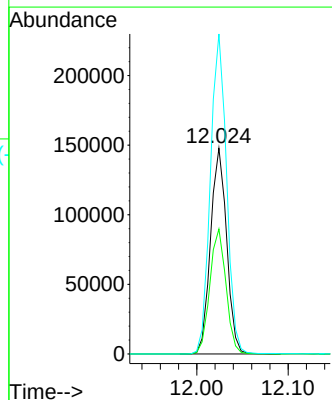
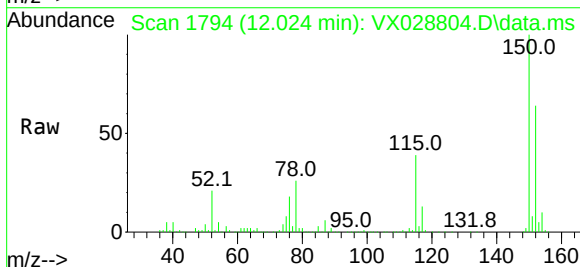
Instrument :
MSVOA_X
ClientSampleId :
31803DL

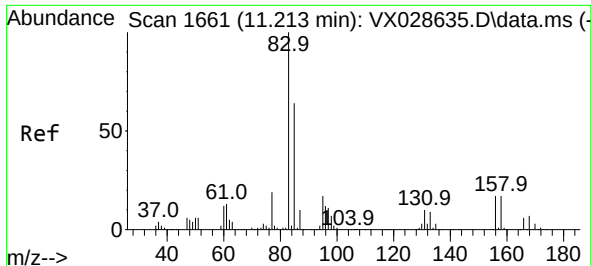
Tgt Ion:117 Resp: 465707
Ion Ratio Lower Upper
117 100
82 57.2 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028804.D
Acq: 18 May 2022 14:32

Tgt Ion:152 Resp: 180579
Ion Ratio Lower Upper
152 100
115 60.8 37.5 112.7
150 156.3 0.0 338.2

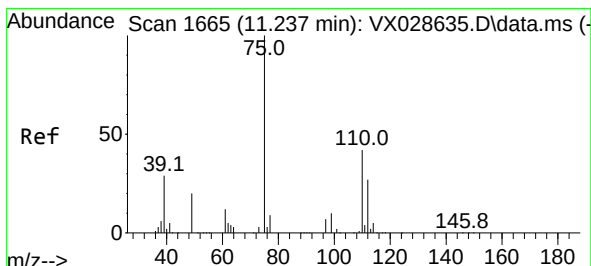
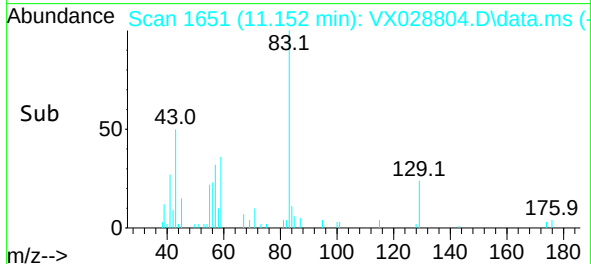
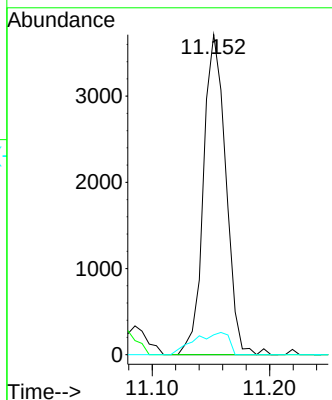
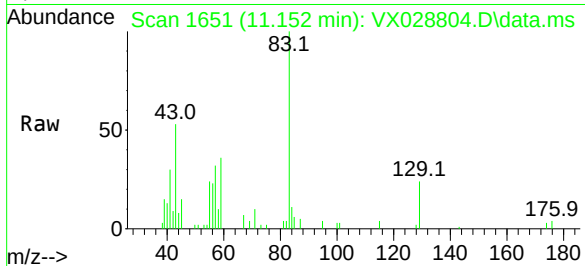




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.044 ug/l
 RT: 11.152 min Scan# 1640
 Delta R.T. -0.061 min
 Lab File: VX028804.D
 Acq: 18 May 2022 14:32

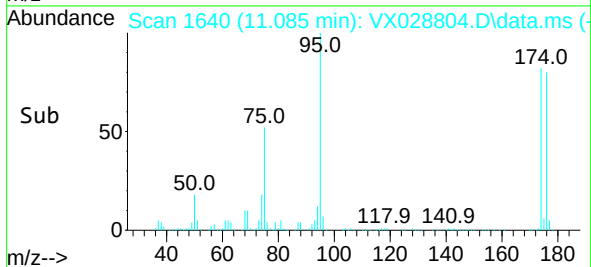
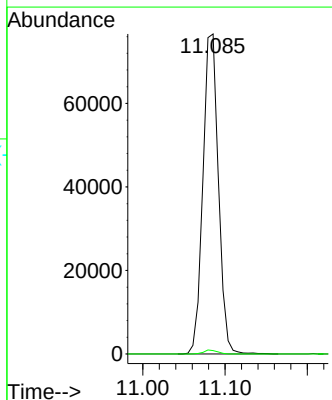
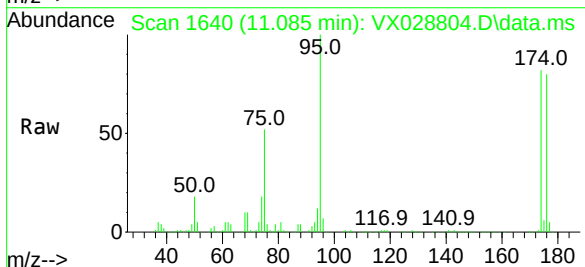
Instrument :
 MSVOA_X
 ClientSampleId :
 31803DL

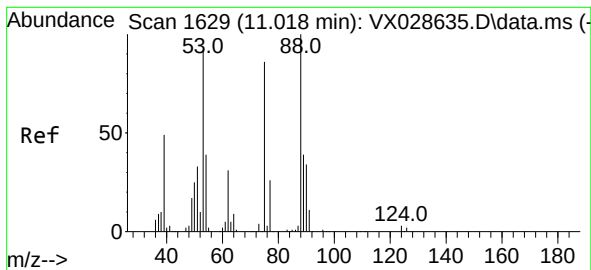
Tgt Ion: 83 Resp: 4907
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 10.8 32.6 97.7#



#76
 1,2,3-Trichloropropane
 Concen: 23.718 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.152 min
 Lab File: VX028804.D
 Acq: 18 May 2022 14:32

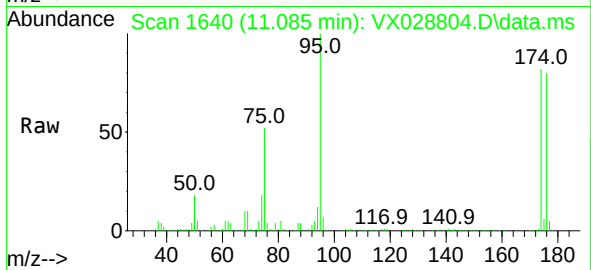
Tgt Ion: 75 Resp: 100303
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.150 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX028804.D
 Acq: 18 May 2022 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 31803DL



Tgt Ion: 75 Resp: 100303
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

