

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029235.D
 Acq On : 06 Jun 2022 13:37
 Operator : JC/MD
 Sample : N3174-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MID0622

Quant Time: Jun 07 06:04:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

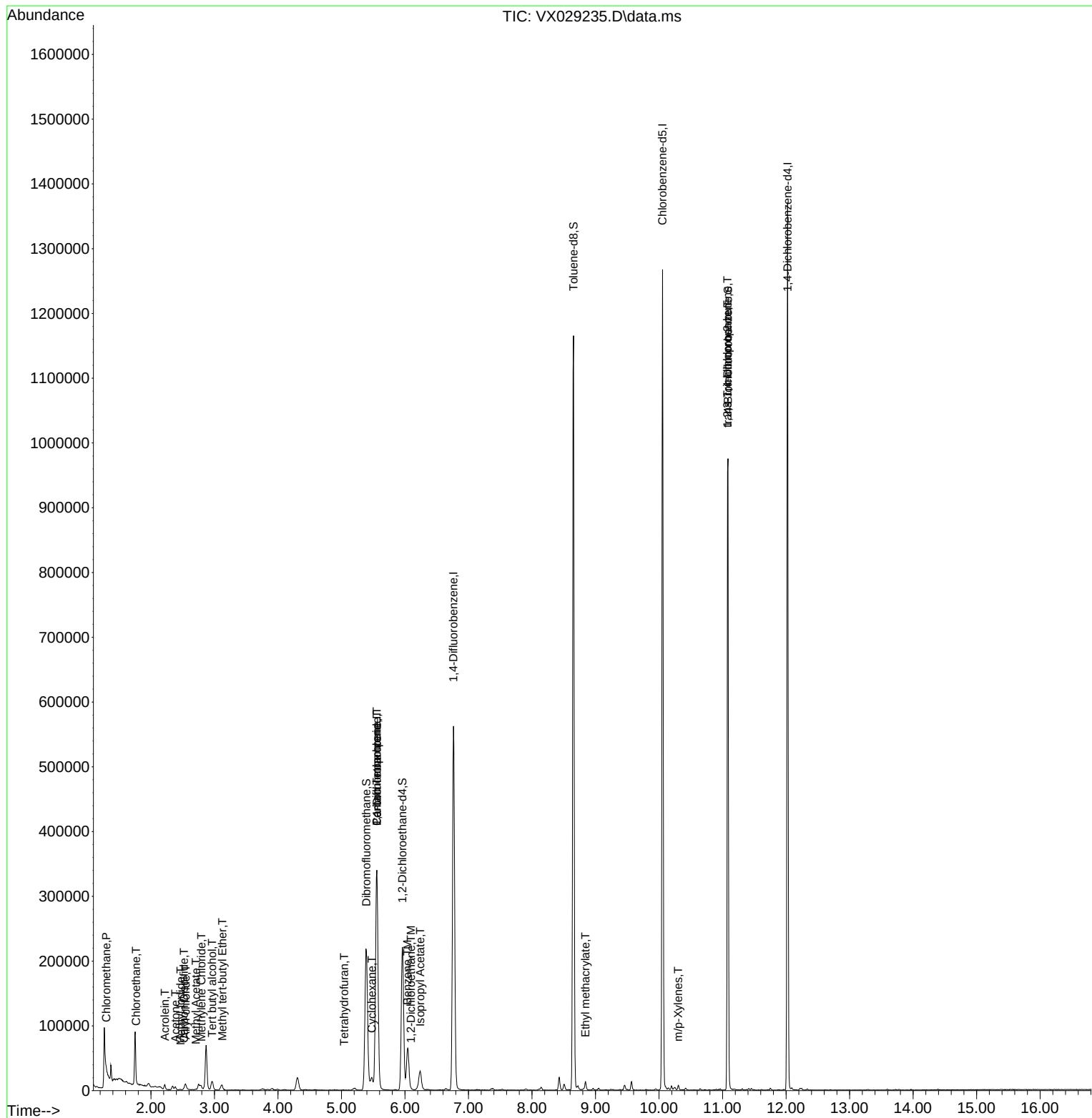
Internal Standards						
1) Pentafluorobenzene	5.556	168	317019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	592378	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	580436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	270915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	214993	60.141	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 120.280%	
35) Dibromofluoromethane	5.391	113	197996	50.320	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.640%	
50) Toluene-d8	8.653	98	705245	49.006	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.020%	
62) 4-Bromofluorobenzene	11.085	95	283669	50.994	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1655	0.574	ug/l #	79
5) Bromomethane	1.617	94	1016	Below Cal		85
6) Chloroethane	1.764	64	1043	1.769	ug/l #	43
10) Methyl Iodide	2.465	142	1263	4.550	ug/l #	95
11) Tert butyl alcohol	2.965	59	16160	19.514	ug/l	97
13) Acrolein	2.221	56	281	0.749	ug/l #	1
14) Allyl chloride	2.544	41	1114	0.260	ug/l #	65
16) Acetone	2.386	43	4808	3.416	ug/l	91
17) Carbon Disulfide	2.520	76	3903	0.498	ug/l	99
18) Methyl Acetate	2.709	43	923	0.254	ug/l #	63
19) Methyl tert-butyl Ether	3.123	73	6786	0.700	ug/l #	85
20) Methylene Chloride	2.794	84	1001	0.305	ug/l #	73
29) Tetrahydrofuran	5.044	42	346	0.238	ug/l #	36
31) Cyclohexane	5.476	56	12288	2.644	ug/l	93
36) 1,1-Dichloropropene	5.556	75	25034	4.945	ug/l #	44
38) Carbon Tetrachloride	5.556	117	33263	5.749	ug/l #	16
40) Benzene	6.037	78	81949	5.465	ug/l	97
42) 1,2-Dichloroethane	6.092	62	1158	0.228	ug/l	78
43) Isopropyl Acetate	6.239	43	6468	0.843	ug/l #	56
44) Trichloroethene	7.135	130	375	Below Cal		88
56) Ethyl methacrylate	8.842	69	1940	0.328	ug/l #	74
68) m/p-Xylenes	10.299	106	1909	0.237	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	140063	25.504	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	140063	74.822	ug/l #	15
94) Hexachlorobutadiene	13.719	225	286	Below Cal	#	52

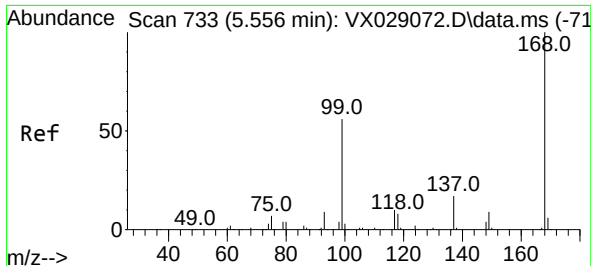
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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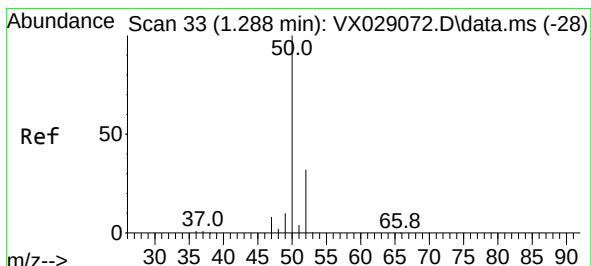
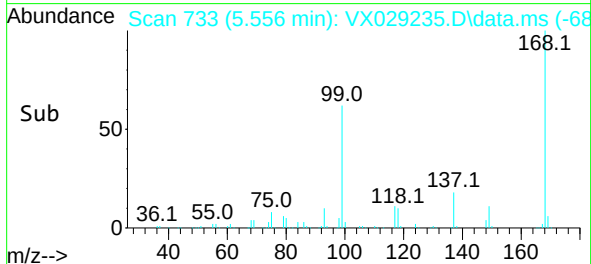
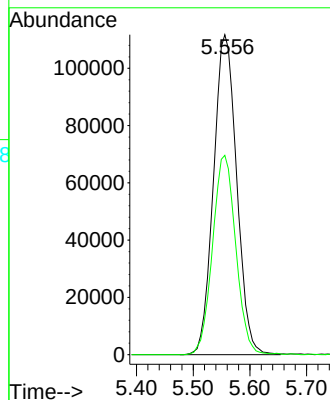
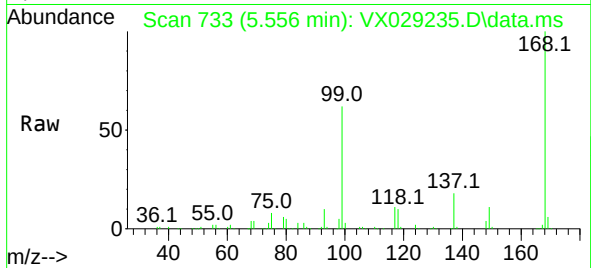




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

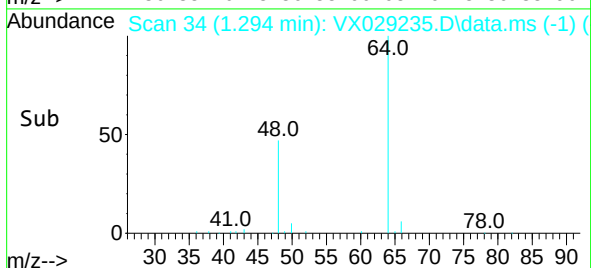
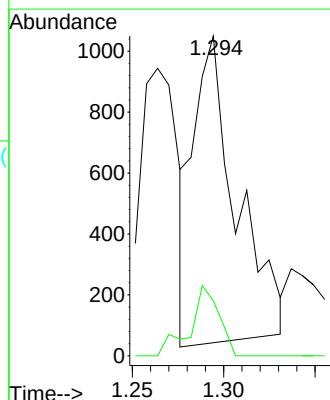
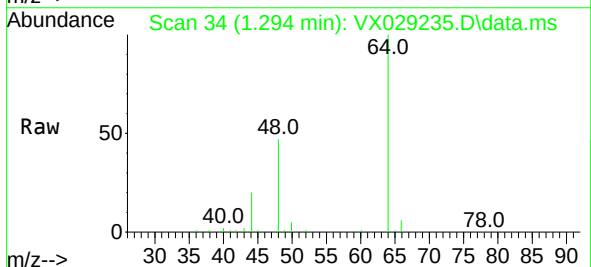
Instrument :
MSVOA_X
ClientSampleId :
MID0622

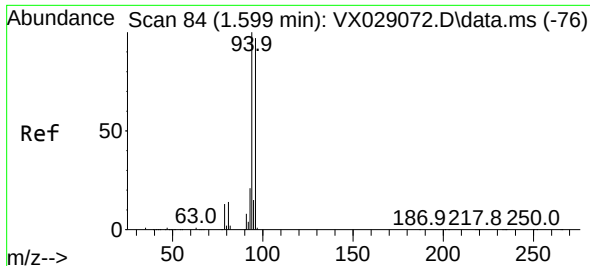
Tgt Ion:168 Resp: 317019
Ion Ratio Lower Upper
168 100
99 62.3 41.7 62.5



#3
Chloromethane
Concen: 0.574 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 50 Resp: 1655
Ion Ratio Lower Upper
50 100
52 21.1 26.4 39.6#

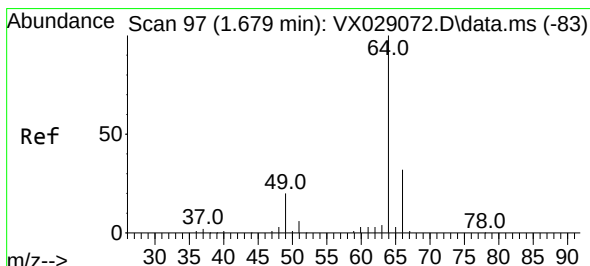
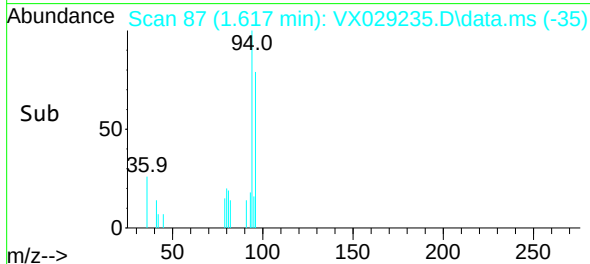
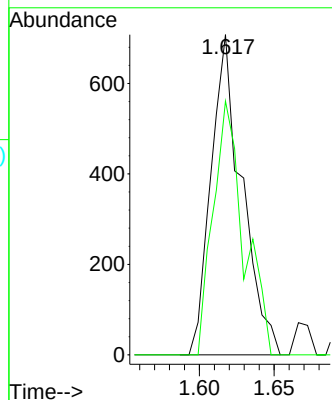
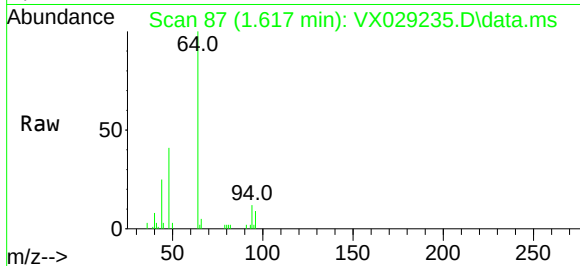




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

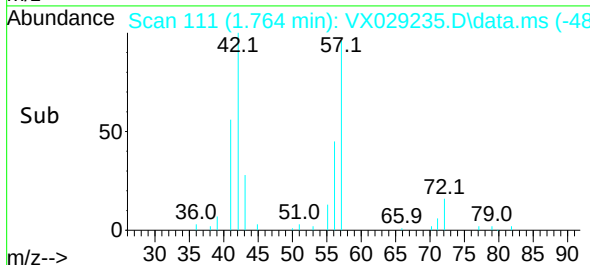
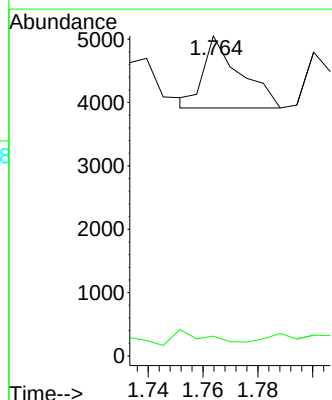
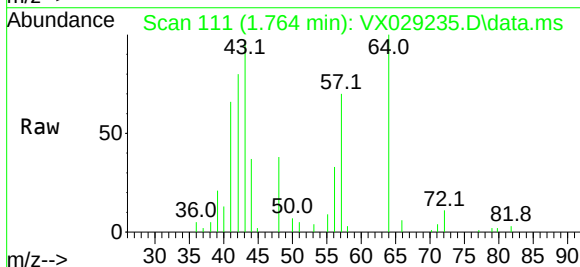
Instrument :
MSVOA_X
ClientSampleId :
MID0622

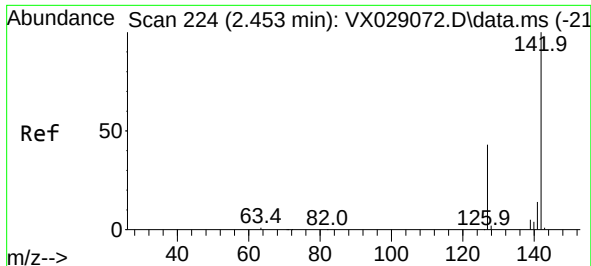
Tgt Ion: 94 Resp: 1016
Ion Ratio Lower Upper
94 100
96 79.2 75.3 112.9



#6
Chloroethane
Concen: 1.769 ug/l
RT: 1.764 min Scan# 111
Delta R.T. 0.085 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

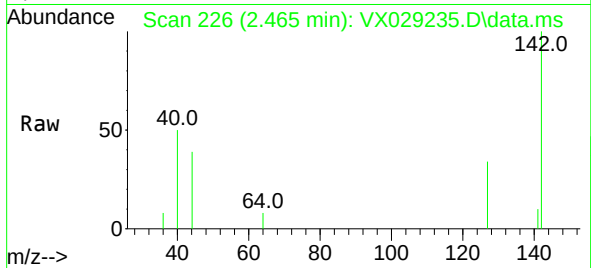
Tgt Ion: 64 Resp: 1043
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



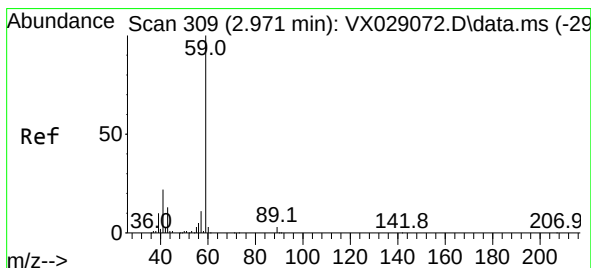
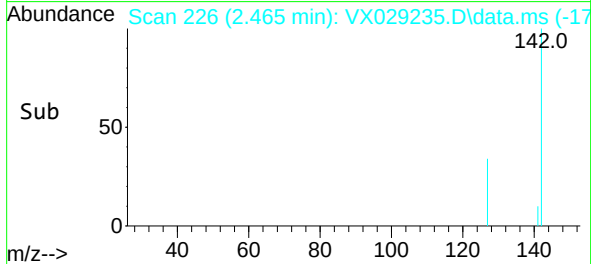
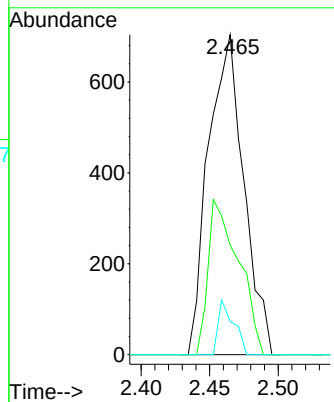


#10
Methyl Iodide
Concen: 4.550 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Instrument :
MSVOA_X
ClientSampleId :
MID0622

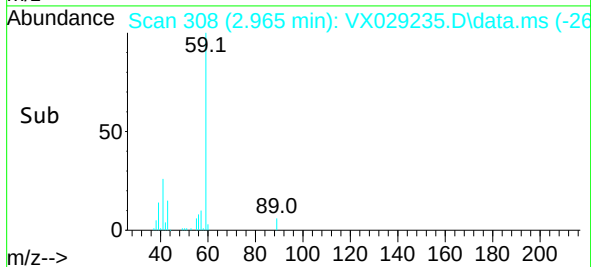
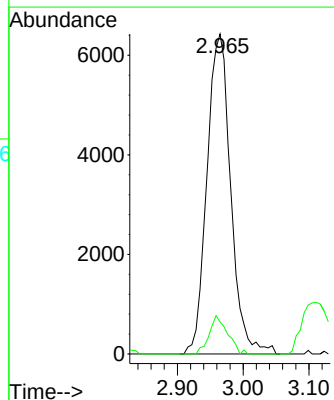
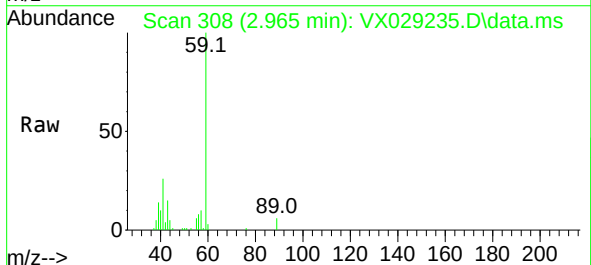


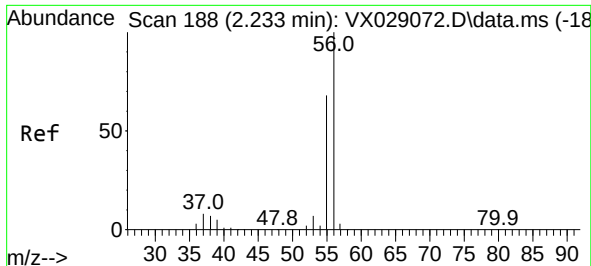
Tgt Ion:142 Resp: 1263
Ion Ratio Lower Upper
142 100
127 41.7 33.9 50.9
141 7.4 11.4 17.2#



#11
Tert butyl alcohol
Concen: 19.514 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 59 Resp: 16160
Ion Ratio Lower Upper
59 100
57 9.2 8.3 12.5





#13

Acrolein

Concen: 0.749 ug/l

RT: 2.221 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX029235.D

Acq: 06 Jun 2022 13:37

Instrument :

MSVOA_X

ClientSampleId :

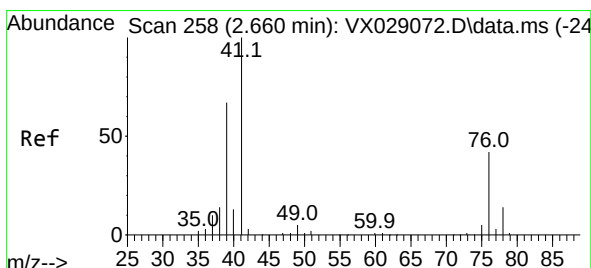
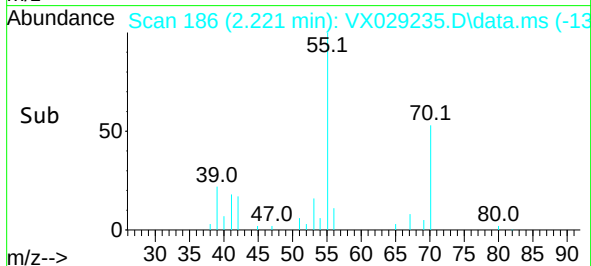
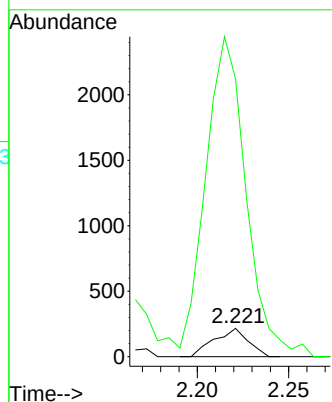
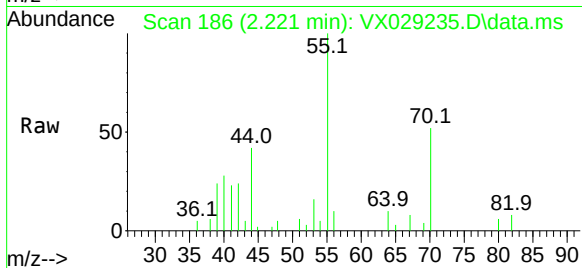
MID0622

Tgt Ion: 56 Resp: 281

Ion Ratio Lower Upper

56 100

55 1336.7 55.0 82.6#



#14

Allyl chloride

Concen: 0.260 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.116 min

Lab File: VX029235.D

Acq: 06 Jun 2022 13:37

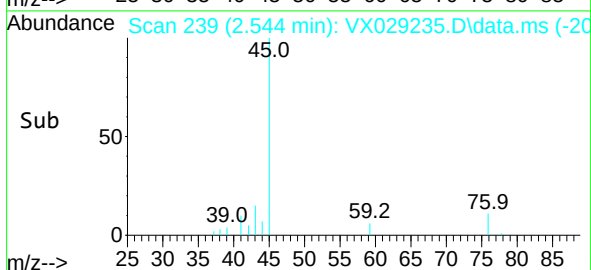
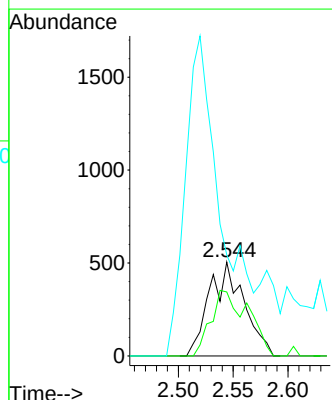
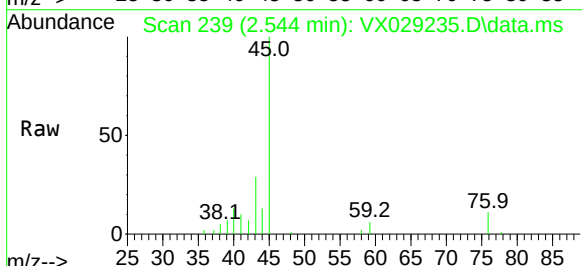
Tgt Ion: 41 Resp: 1114

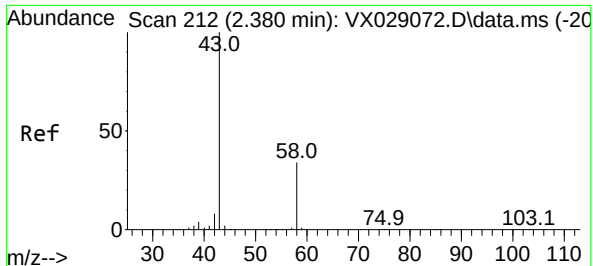
Ion Ratio Lower Upper

41 100

39 74.6 50.4 75.6

76 0.0 32.7 49.1#

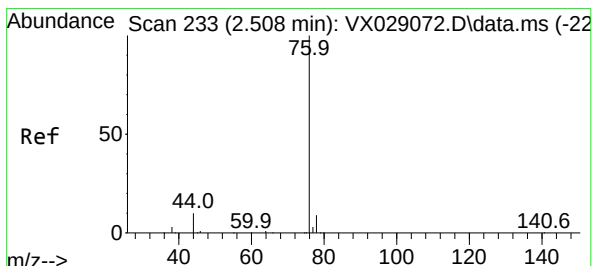
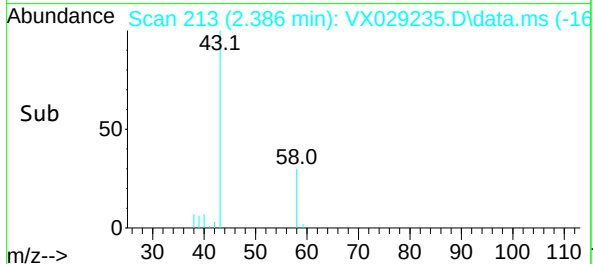
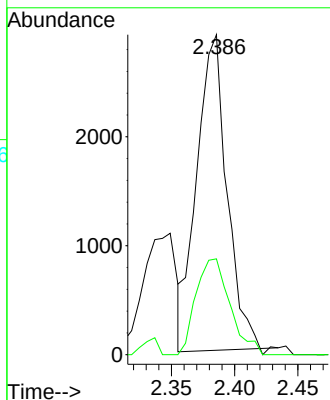
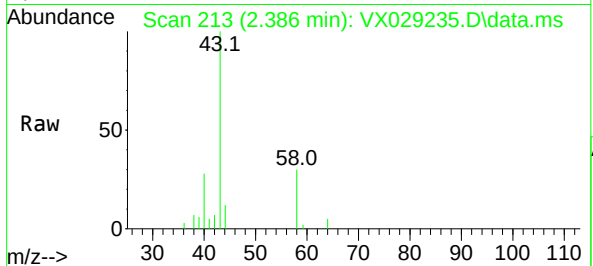




#16
Acetone
Concen: 3.416 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

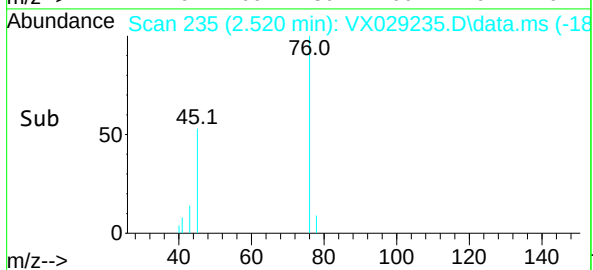
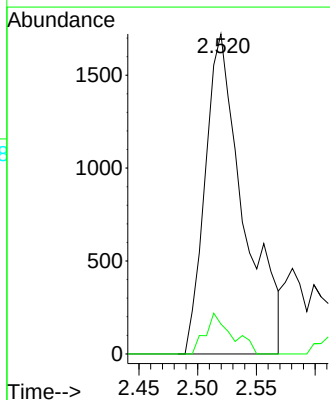
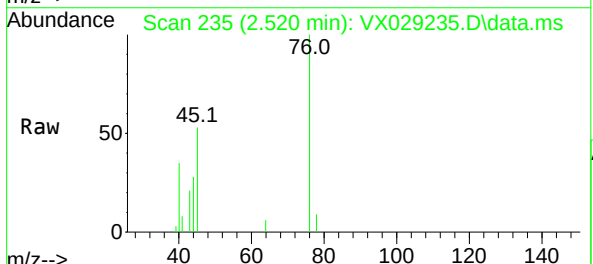
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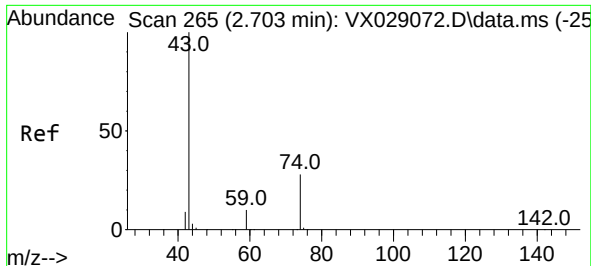
Tgt Ion: 43 Resp: 4808
Ion Ratio Lower Upper
43 100
58 30.6 28.8 43.2



#17
Carbon Disulfide
Concen: 0.498 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.012 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 76 Resp: 3903
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

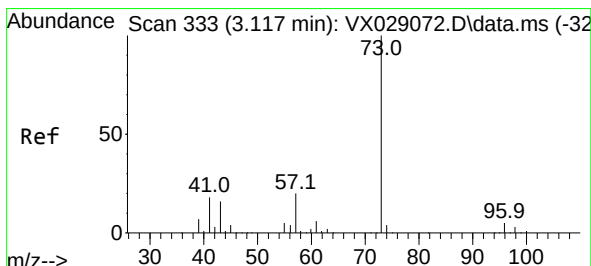
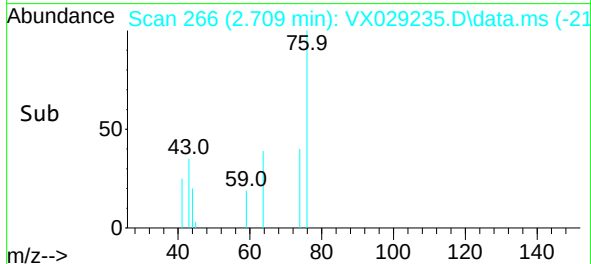
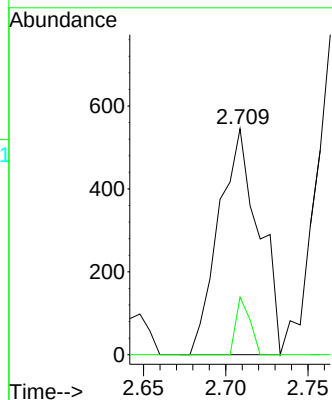
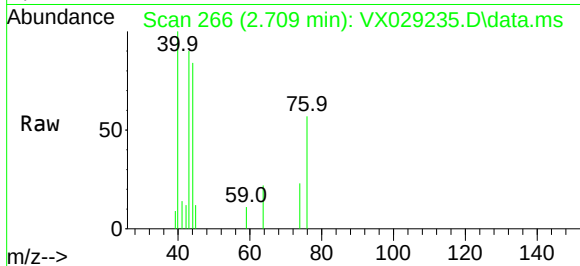




#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

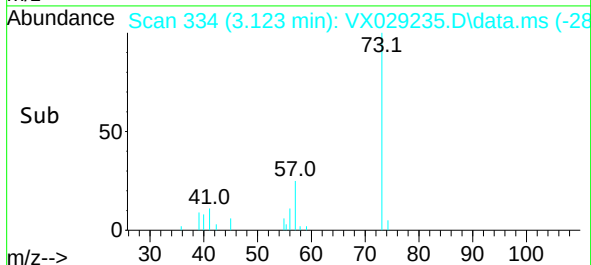
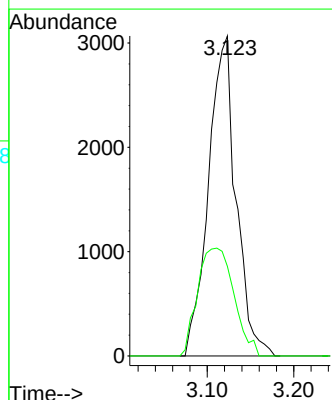
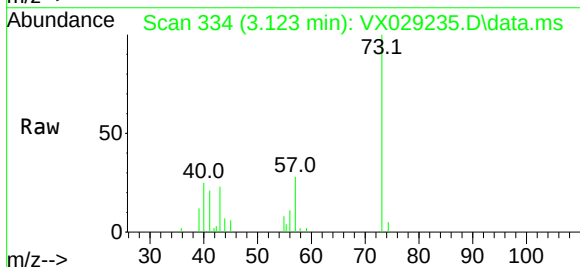
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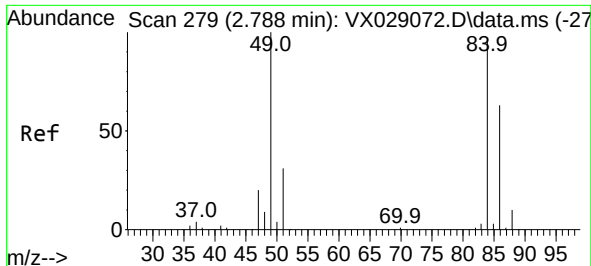
Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
74 8.9 22.8 34.2#



#19
Methyl tert-butyl Ether
Concen: 0.700 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 73 Resp: 6786
Ion Ratio Lower Upper
73 100
57 28.0 16.8 25.2#

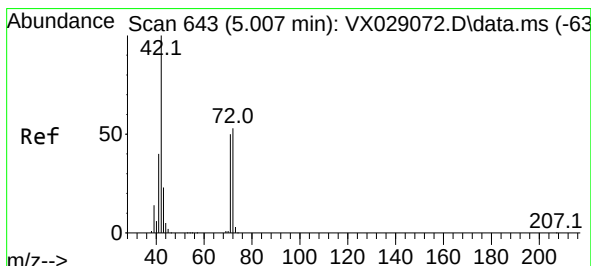
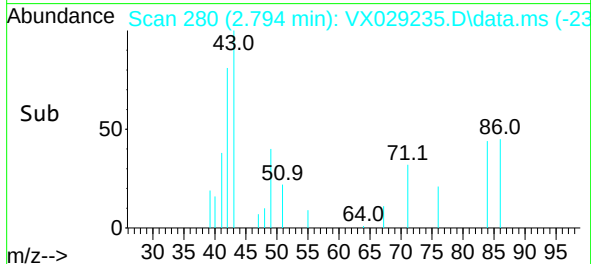
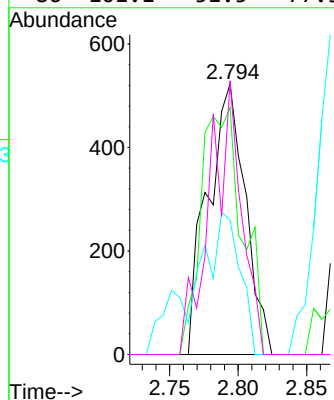
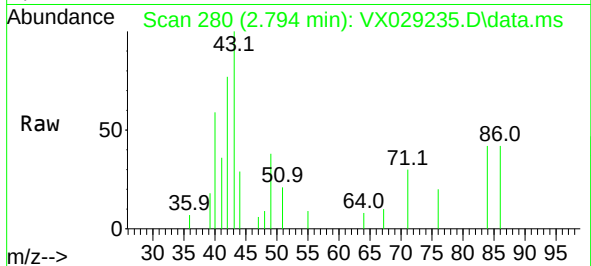




#20
Methylene Chloride
Concen: 0.305 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

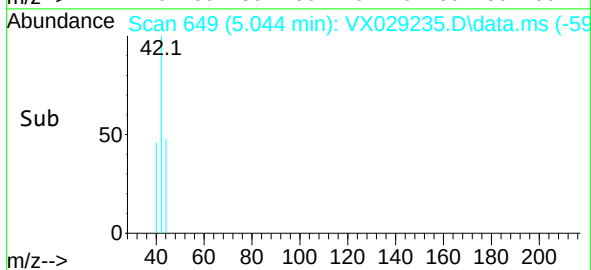
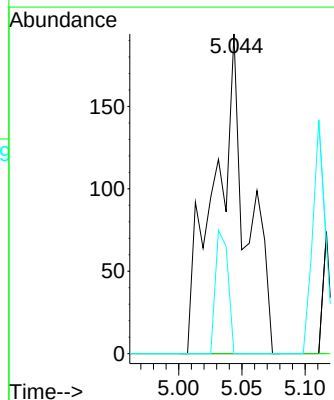
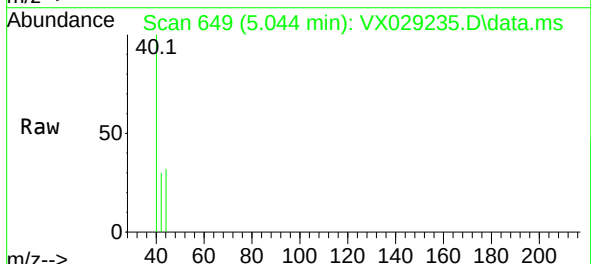
Instrument :
MSVOA_X
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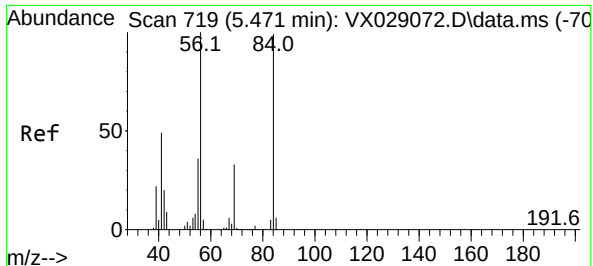
Tgt Ion: 84	Resp: 1001
Ion Ratio	Lower Upper
84 100	
49 91.2	85.5 128.3
51 49.5	26.6 39.8#
86 101.1	51.5 77.3#



#29
Tetrahydrofuran
Concen: 0.238 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 42	Resp: 346
Ion Ratio	Lower Upper
42 100	
72 0.0	44.1 66.1#
71 14.7	40.5 60.7#

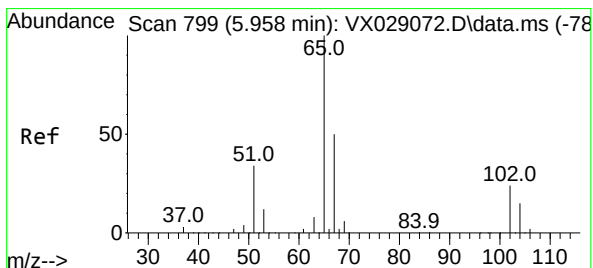
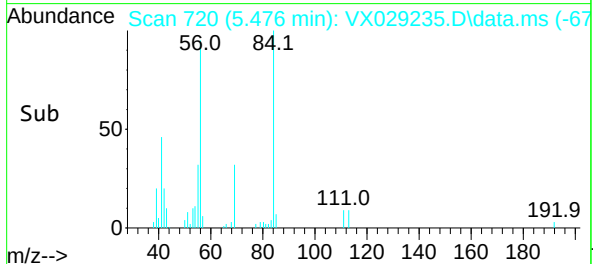
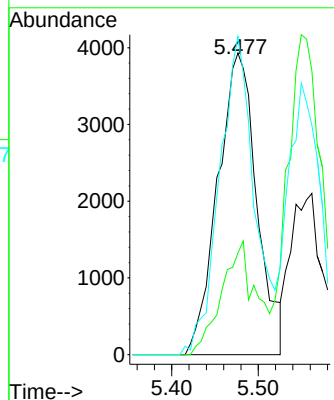
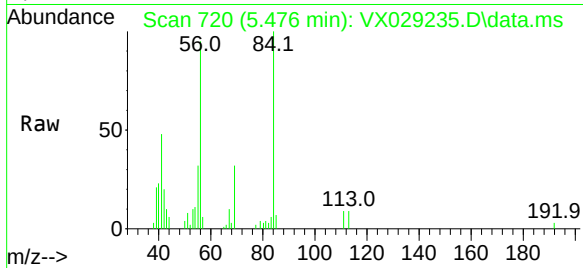




#31
Cyclohexane
Concen: 2.644 ug/l
RT: 5.476 min Scan# 719
Delta R.T. 0.005 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

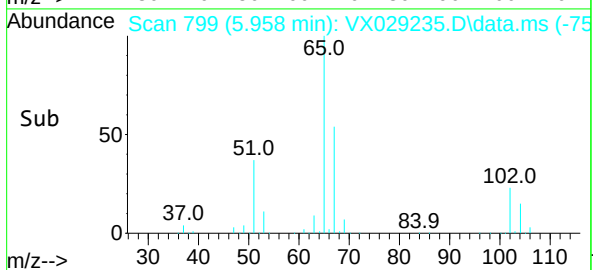
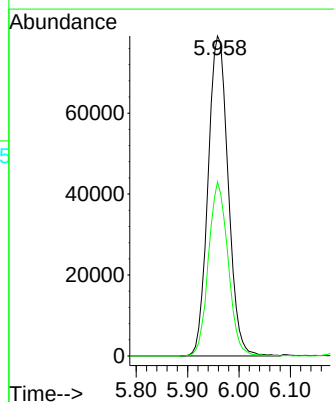
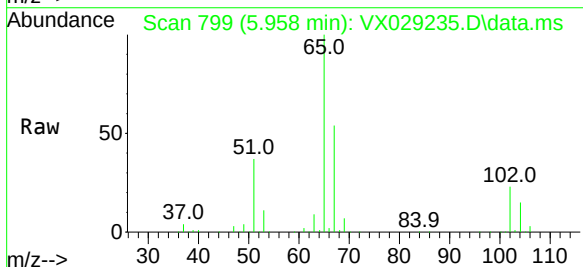
Instrument :
MSVOA_X
ClientSampleId :
MID0622

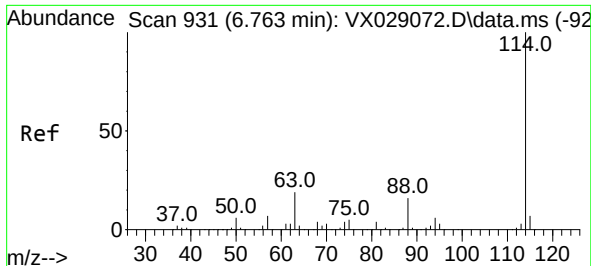
Tgt Ion: 56 Resp: 12288
Ion Ratio Lower Upper
56 100
69 33.7 26.7 40.1
84 105.4 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 60.141 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 65 Resp: 214993
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.4

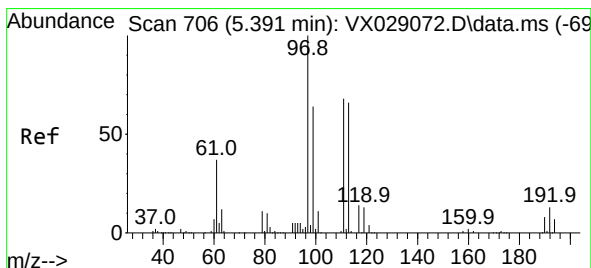
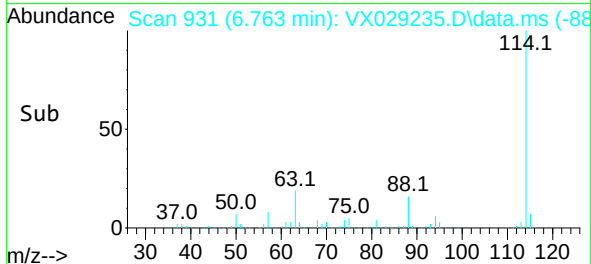
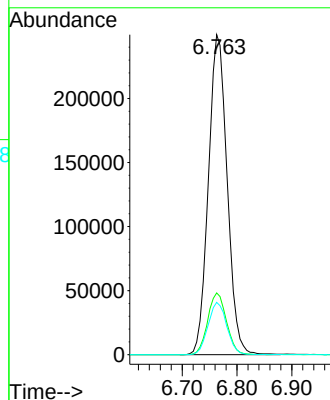
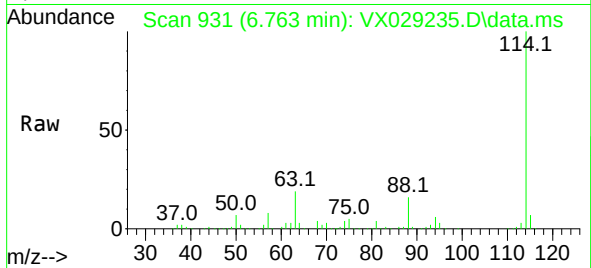




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

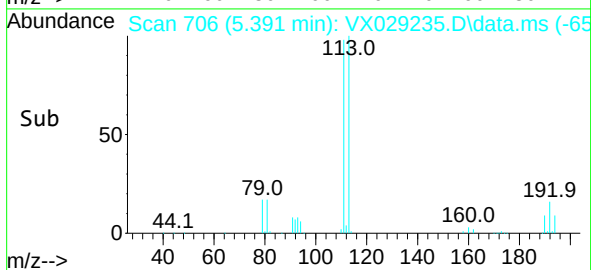
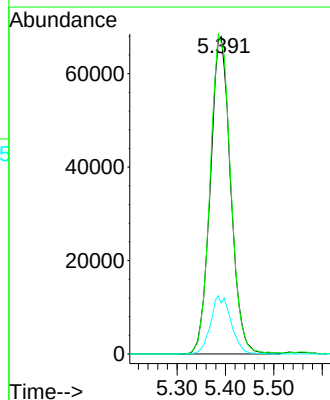
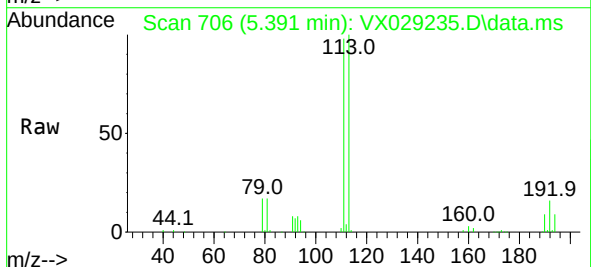
Instrument :
MSVOA_X
ClientSampleId :
MID0622

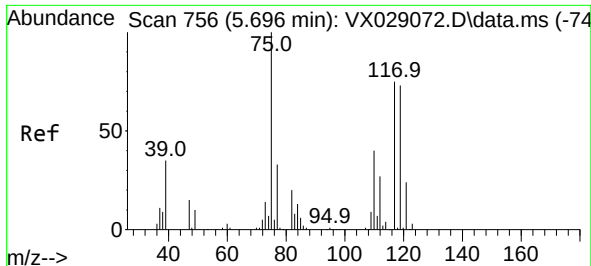
Tgt Ion:114 Resp: 592378
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.320 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion:113 Resp: 197996
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 18.4 16.9 25.3

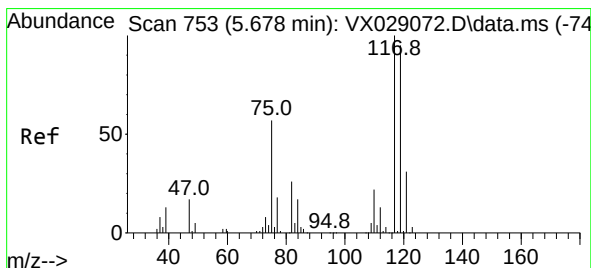
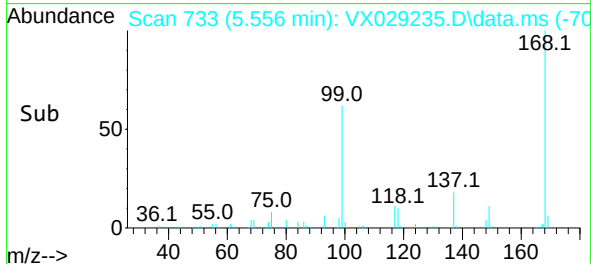
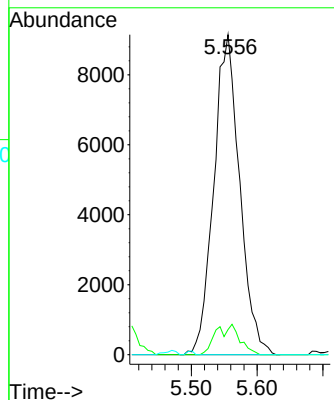
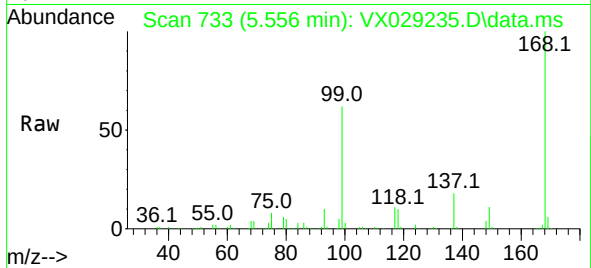




#36
1,1-Dichloropropene
Concen: 4.945 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

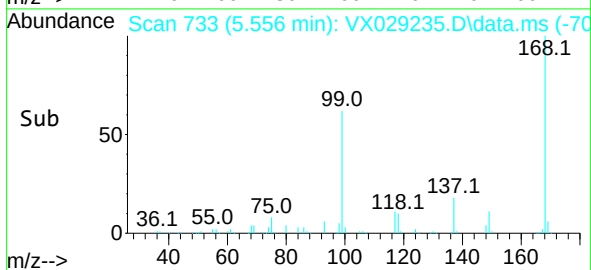
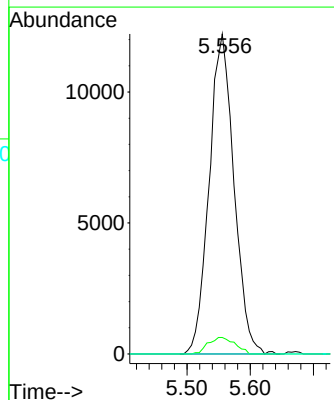
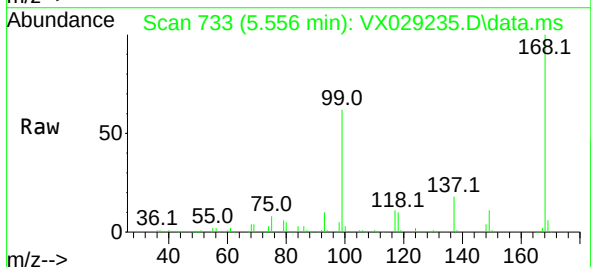
Instrument :
MSVOA_X
ClientSampleId :
MID0622

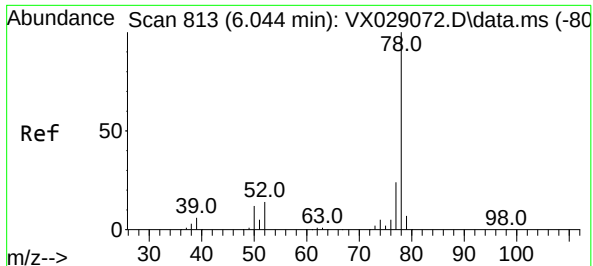
Tgt Ion: 75 Resp: 25034
Ion Ratio Lower Upper
75 100
110 4.0 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.749 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 117 Resp: 33263
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#





#40

Benzene

Concen: 5.465 ug/l

RT: 6.037 min Scan# 81

Delta R.T. -0.007 min

Lab File: VX029235.D

Acq: 06 Jun 2022 13:37

Instrument :

MSVOA_X

ClientSampleId :

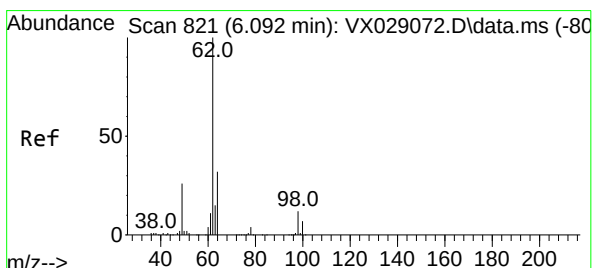
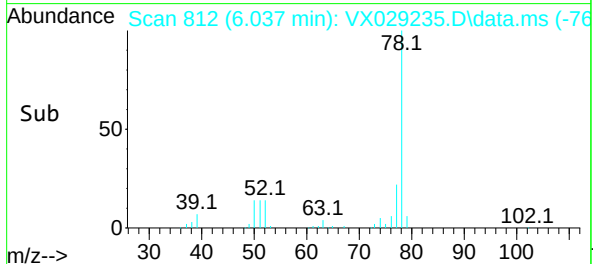
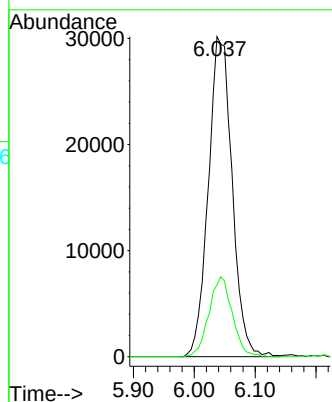
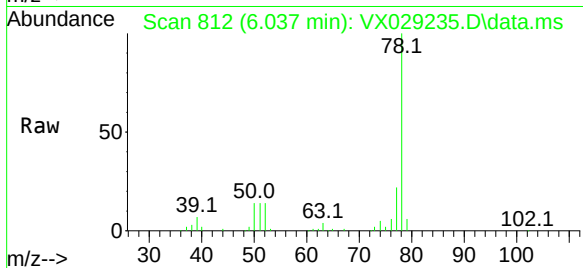
MID0622

Tgt Ion: 78 Resp: 81949

Ion Ratio Lower Upper

78 100

77 22.5 19.3 28.9



#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

Lab File: VX029235.D

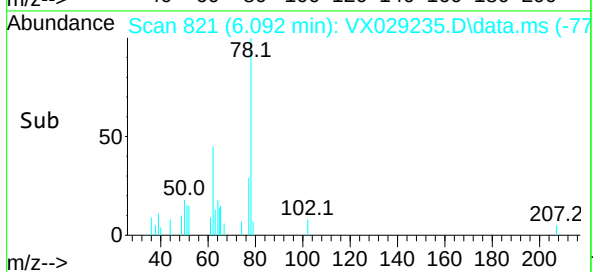
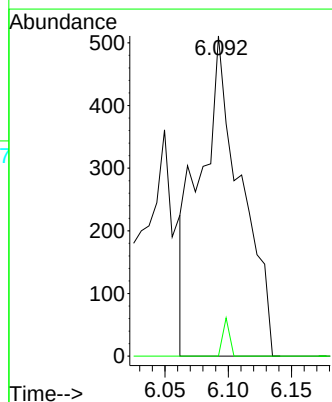
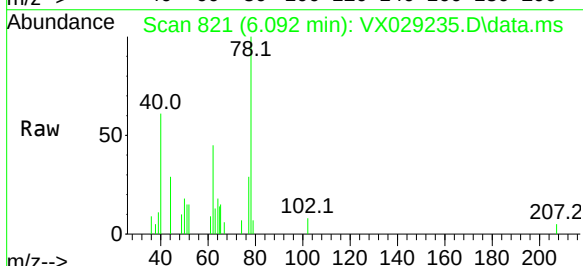
Acq: 06 Jun 2022 13:37

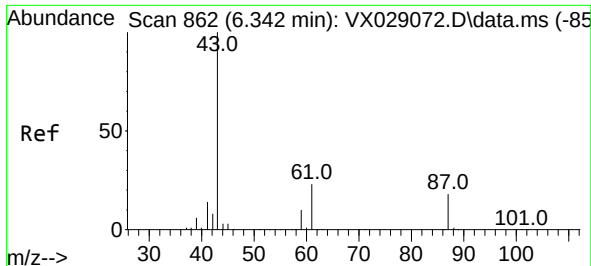
Tgt Ion: 62 Resp: 1158

Ion Ratio Lower Upper

62 100

98 1.9 0.0 20.4

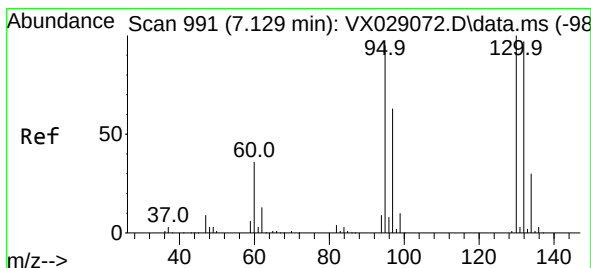
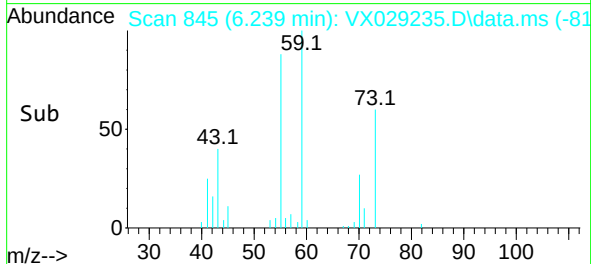
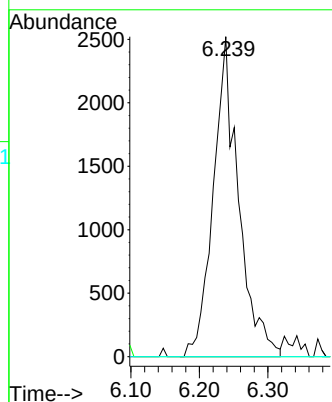
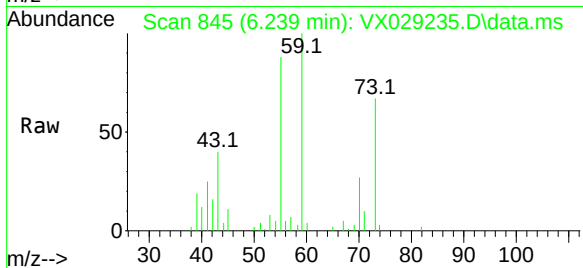




#43
Isopropyl Acetate
Concen: 0.843 ug/l
RT: 6.239 min Scan# 84
Delta R.T. -0.103 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

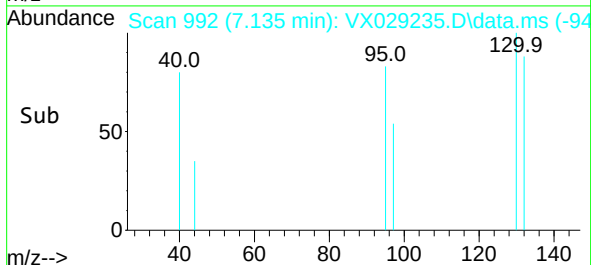
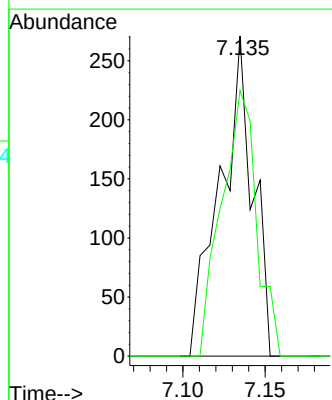
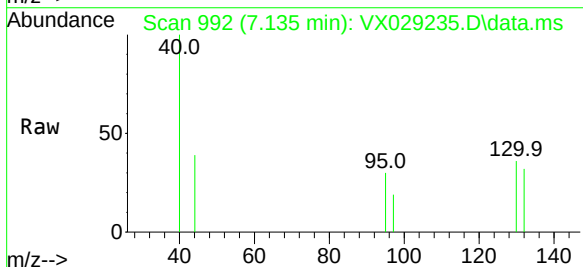
Instrument :
MSVOA_X
ClientSampleId :
MID0622

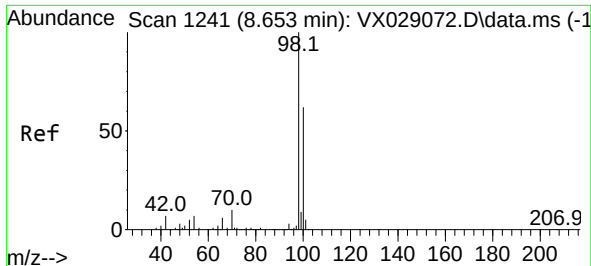
Tgt Ion: 43 Resp: 6468
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion:130 Resp: 375
Ion Ratio Lower Upper
130 100
95 83.0 0.0 188.8

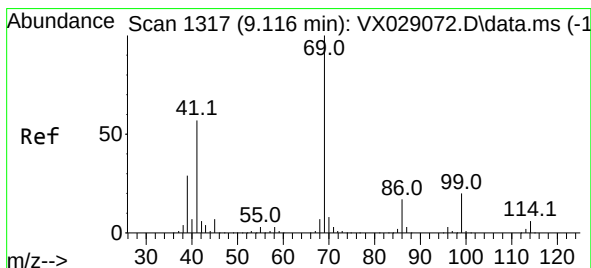
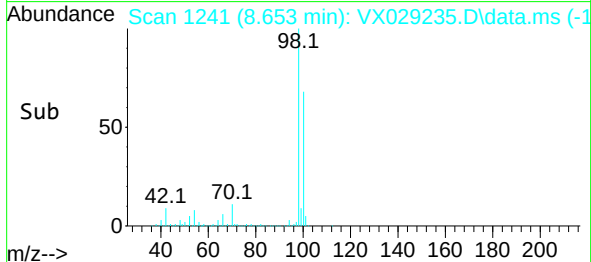
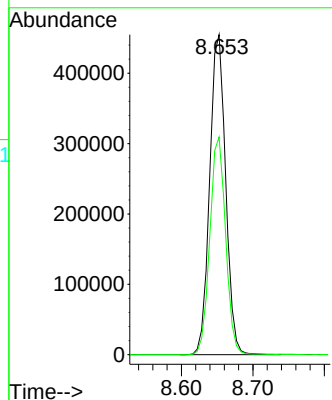
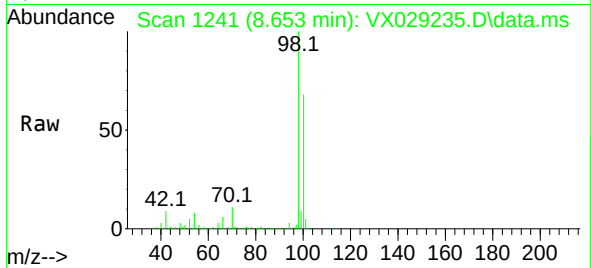




#50
Toluene-d8
Concen: 49.006 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

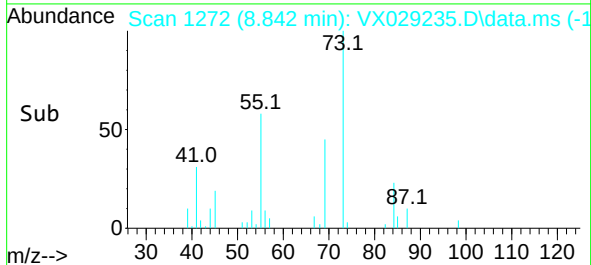
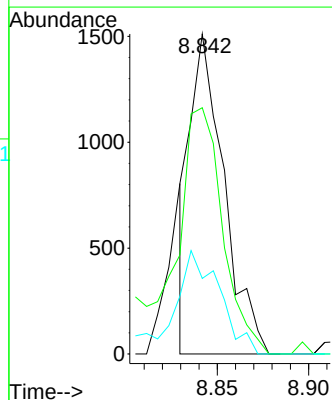
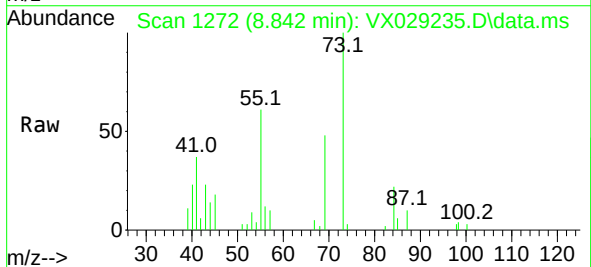
Instrument :
MSVOA_X
ClientSampleId :
MID0622

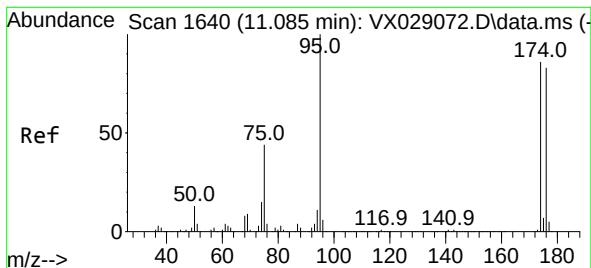
Tgt Ion: 98 Resp: 705245
Ion Ratio Lower Upper
98 100
100 67.4 52.6 78.8



#56
Ethyl methacrylate
Concen: 0.328 ug/l
RT: 8.842 min Scan# 1272
Delta R.T. -0.274 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 69 Resp: 1940
Ion Ratio Lower Upper
69 100
41 80.3 43.8 65.6#
39 31.3 22.2 33.2

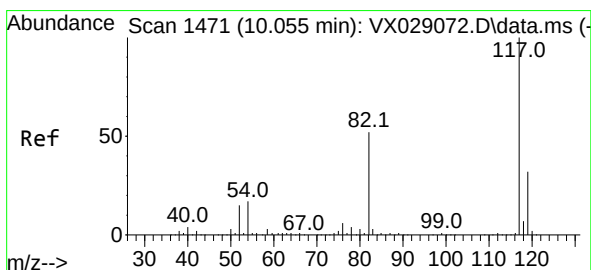
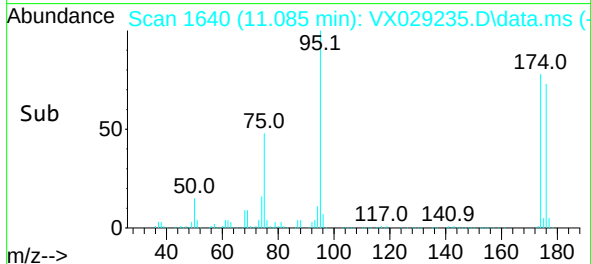
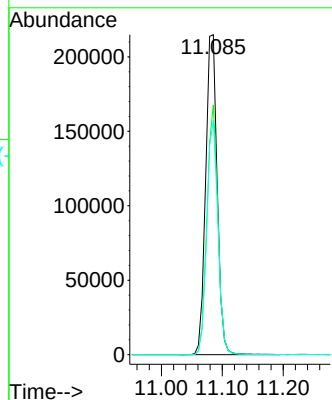
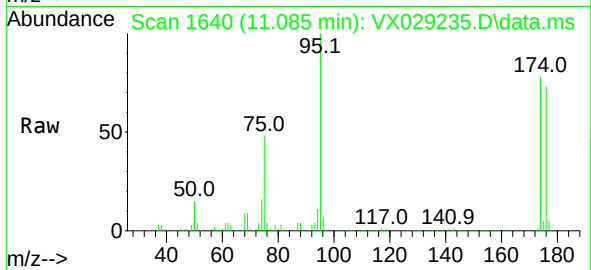




#62
4-Bromofluorobenzene
Concen: 50.994 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

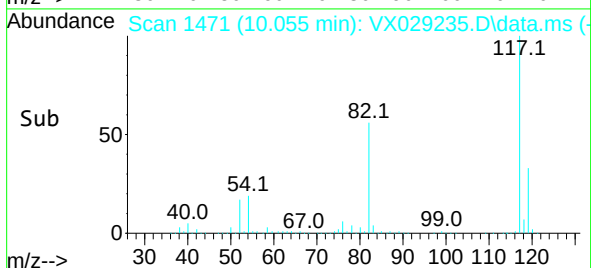
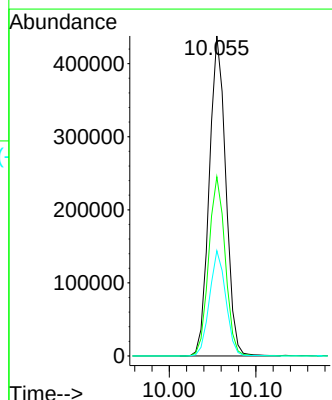
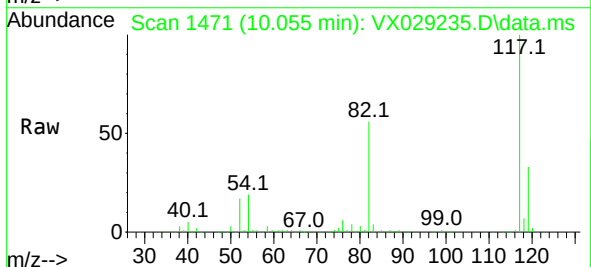
Instrument :
MSVOA_X
ClientSampleId :
MID0622

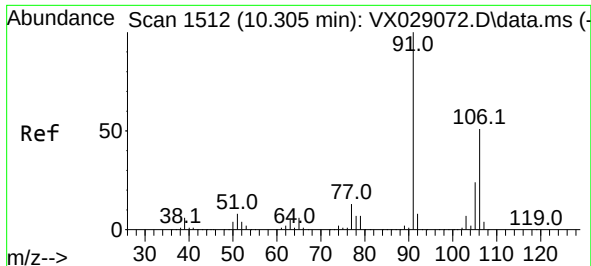
Tgt Ion: 95 Resp: 283669
Ion Ratio Lower Upper
95 100
174 74.1 0.0 163.0
176 70.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 117 Resp: 580436
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 32.9 24.8 37.2

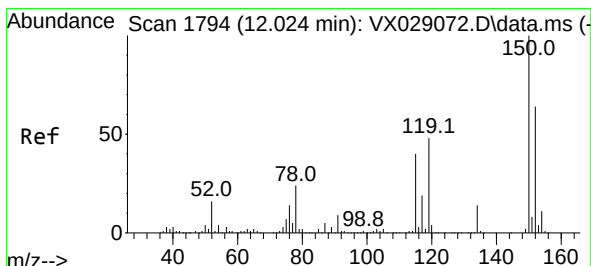
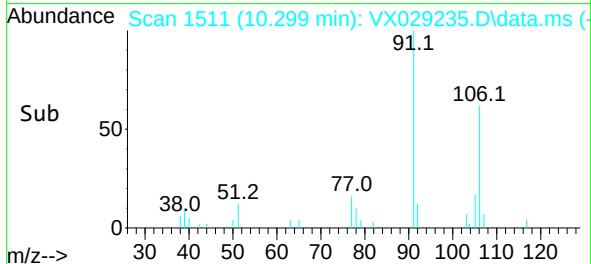
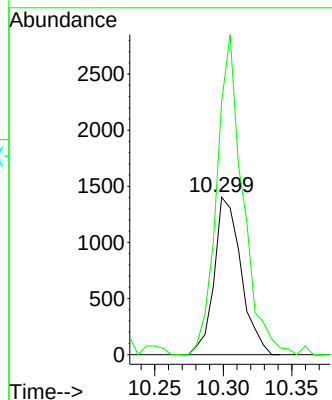
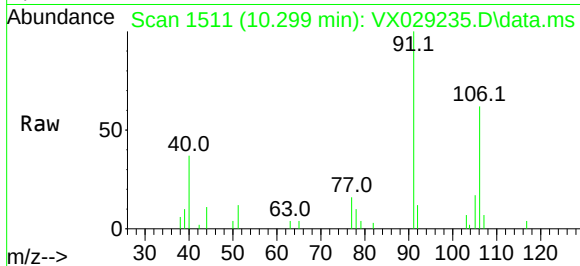




#68
m/p-Xylenes
Concen: 0.237 ug/l
RT: 10.299 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

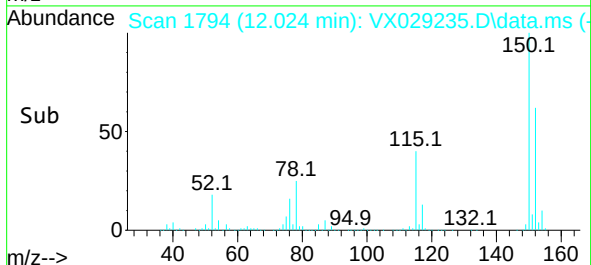
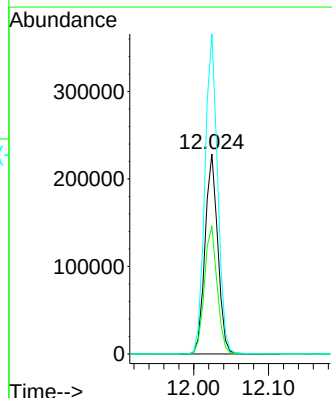
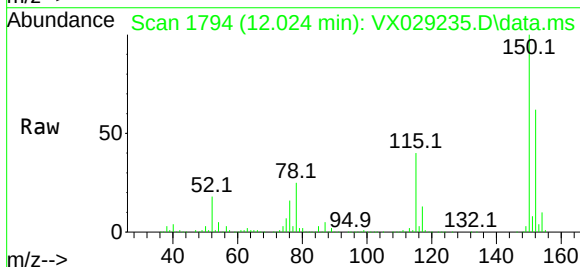
Instrument :
MSVOA_X
ClientSampleId :
MID0622

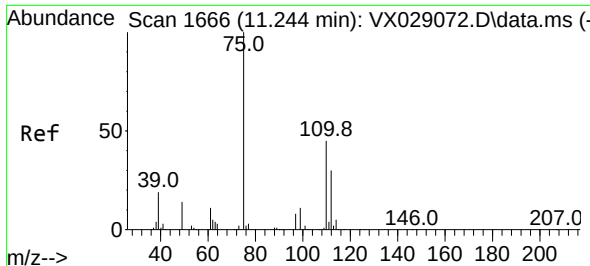
Tgt Ion:106 Resp: 1909
Ion Ratio Lower Upper
106 100
91 198.1 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion:152 Resp: 270915
Ion Ratio Lower Upper
152 100
115 64.0 37.5 112.7
150 160.1 0.0 338.2

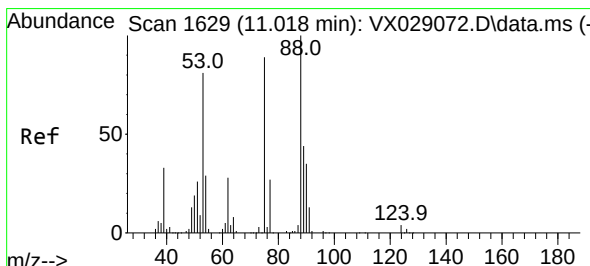
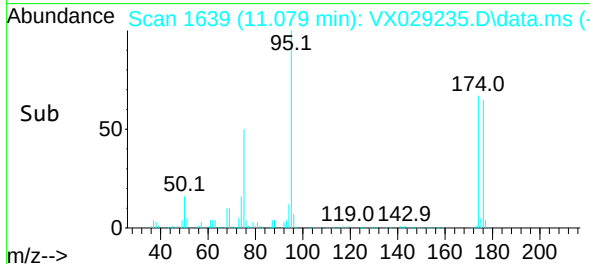
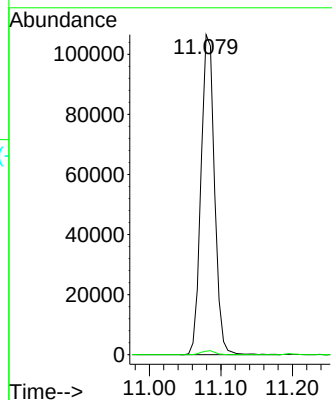
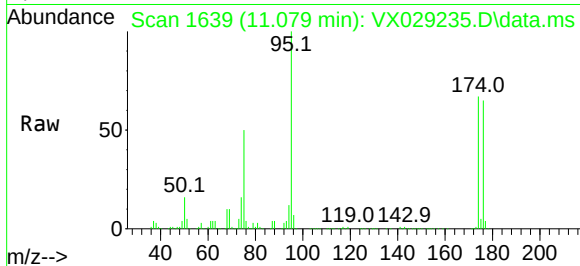




#76
1,2,3-Trichloropropane
Concen: 25.504 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

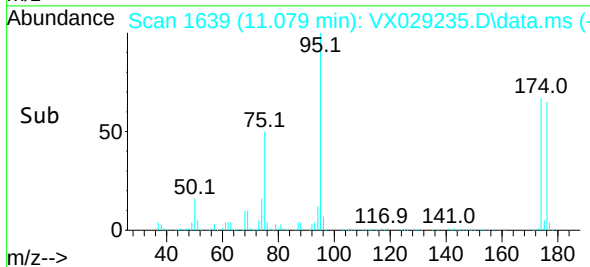
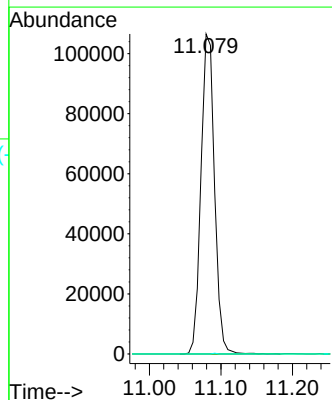
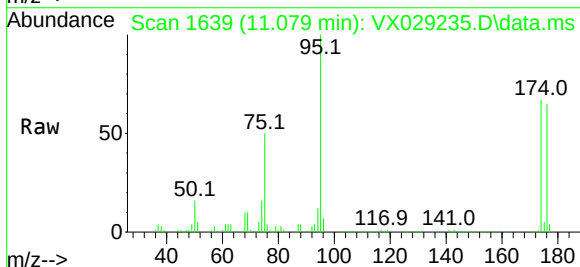
Instrument :
MSVOA_X
ClientSampleId :
MID0622

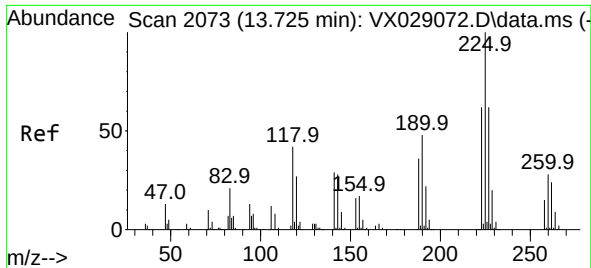
Tgt Ion: 75 Resp: 140063
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.822 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029235.D
Acq: 06 Jun 2022 13:37

Tgt Ion: 75 Resp: 140063
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 13.719 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX029235.D

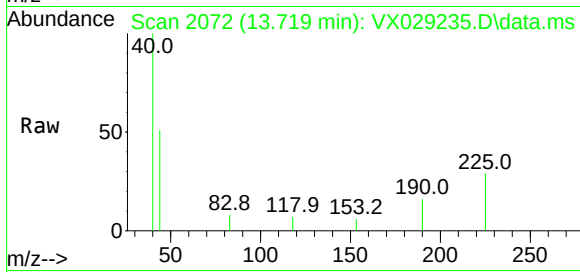
Acq: 06 Jun 2022 13:37

Instrument :

MSVOA_X

ClientSampleId :

MID0622



Tgt Ion:225 Resp: 286

Ion Ratio Lower Upper

225 100

223 30.1 34.2 102.5#

227 28.7 33.9 101.7#

