

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029186.D
 Acq On : 03 Jun 2022 13:42
 Operator : JC/MD
 Sample : N3164-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 06BR-20220531

Quant Time: Jun 06 02:34:42 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)

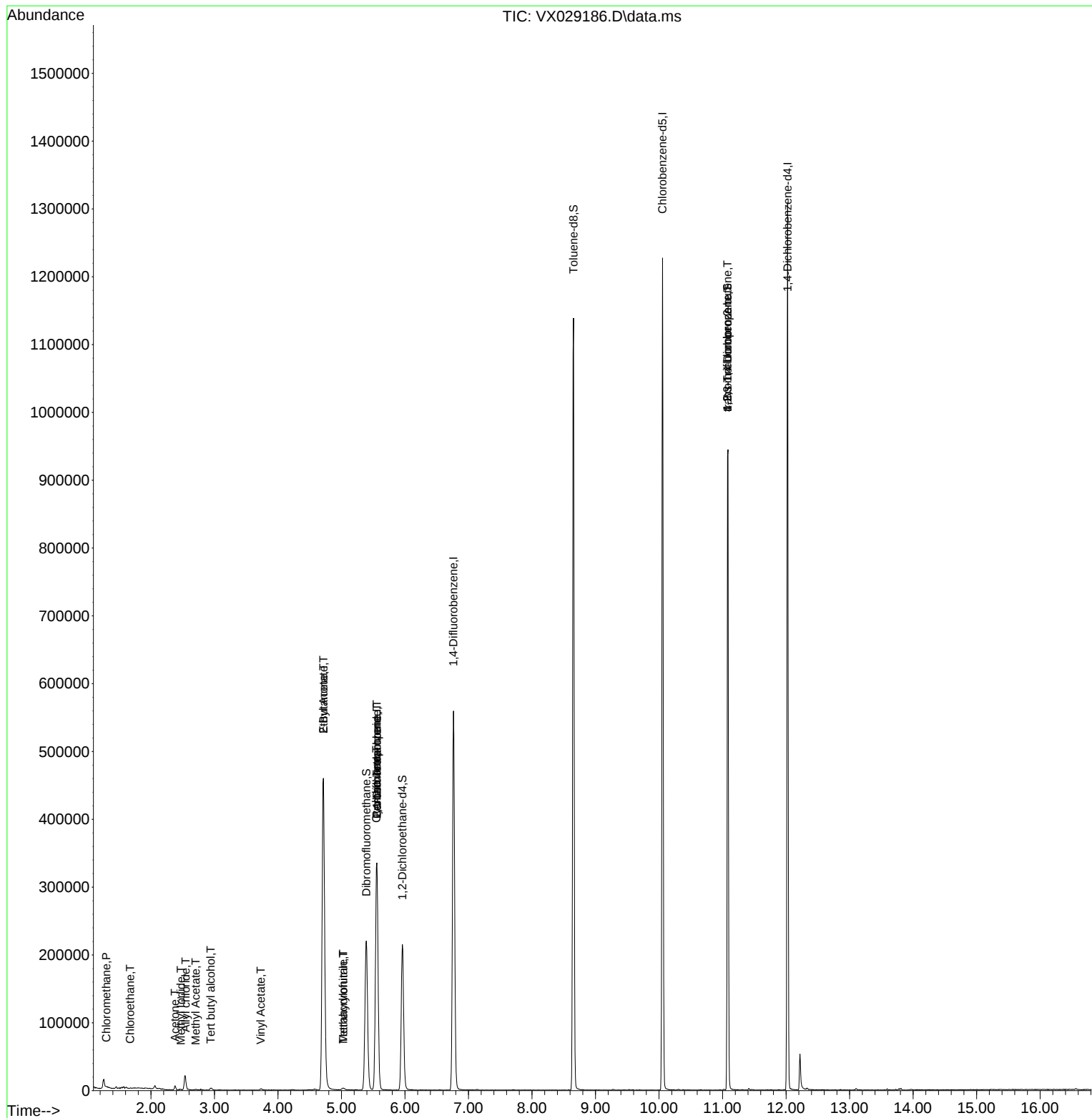
Internal Standards						
1) Pentafluorobenzene	5.556	168	327389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	597173	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	576375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206466	55.926	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.860%
35) Dibromofluoromethane	5.391	113	198338	50.003	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.000%
50) Toluene-d8	8.653	98	703562	48.497	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.000%
62) 4-Bromofluorobenzene	11.079	95	277004	49.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	865	0.290	ug/l #	42
5) Bromomethane	1.611	94	957	Below Cal		91
6) Chloroethane	1.672	64	706	1.644	ug/l	99
10) Methyl Iodide	2.471	142	1253	4.537	ug/l	92
11) Tert butyl alcohol	2.941	59	2270	2.654	ug/l #	72
14) Allyl chloride	2.544	41	2406	0.543	ug/l #	56
16) Acetone	2.380	43	5687	3.912	ug/l	96
18) Methyl Acetate	2.703	43	1318	0.351	ug/l #	83
23) Vinyl Acetate	3.727	43	3930	0.531	ug/l	94
25) 2-Butanone	4.715	43	761676	324.804	ug/l #	44
29) Tetrahydrofuran	5.026	42	3322	2.209	ug/l #	76
31) Cyclohexane	5.550	56	5966	1.243	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24919	4.882	ug/l #	49
37) Ethyl Acetate	4.715	43	762581	154.171	ug/l	99
38) Carbon Tetrachloride	5.556	117	33634	5.766	ug/l #	17
41) Methacrylonitrile	5.026	41	957	0.358	ug/l #	34
44) Trichloroethene	7.123	130	354	Below Cal		70
76) 1,2,3-Trichloropropane	11.079	75	130764	24.031	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	130764	70.503	ug/l #	15
94) Hexachlorobutadiene	13.719	225	229	Below Cal		85

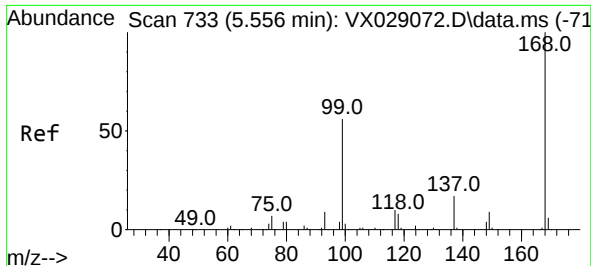
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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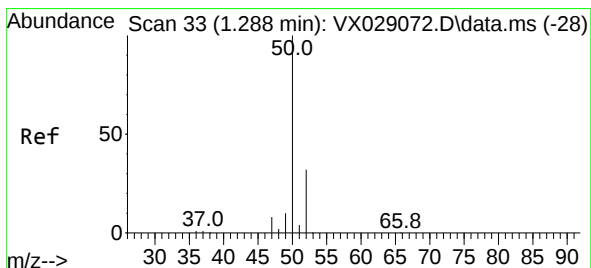
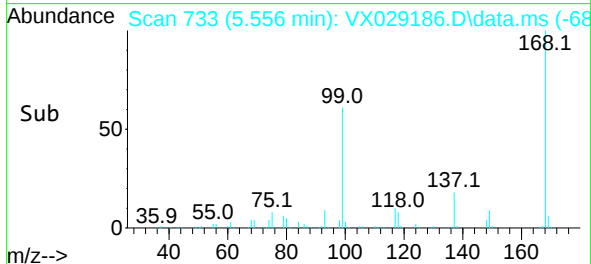
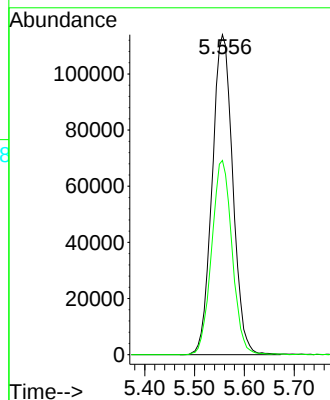
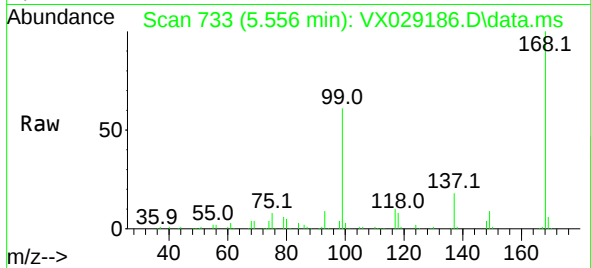




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

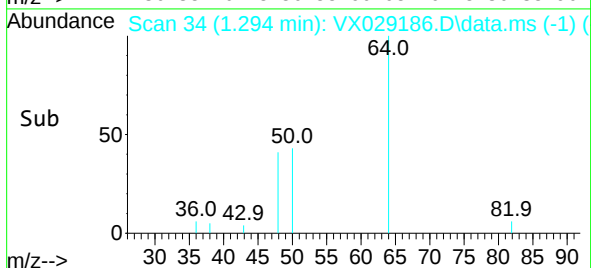
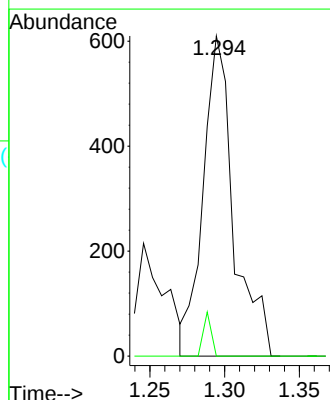
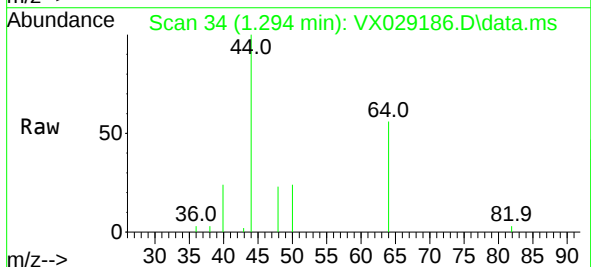
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

Tgt Ion:168 Resp: 327389
Ion Ratio Lower Upper
168 100
99 60.7 41.7 62.5



#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Tgt Ion: 50 Resp: 865
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

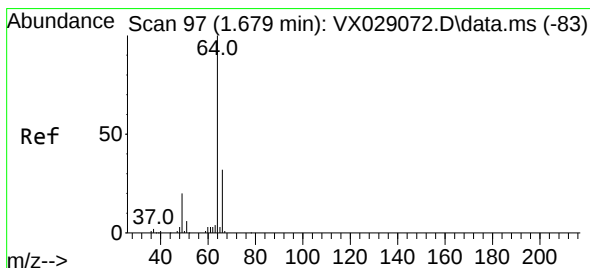
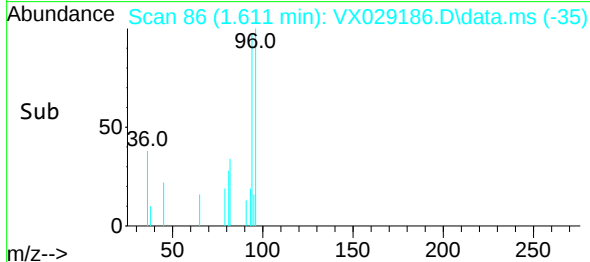
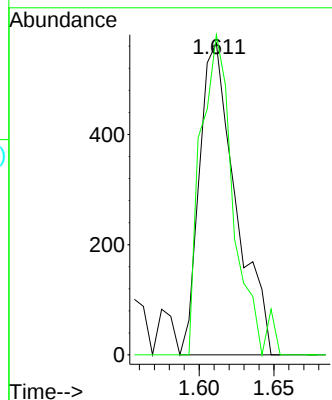
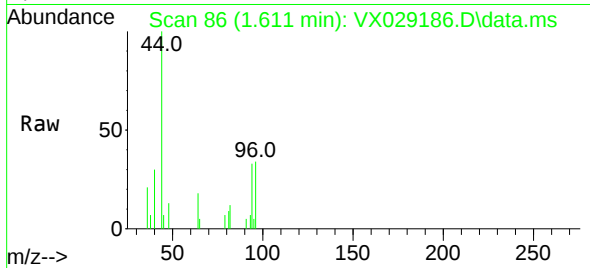




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

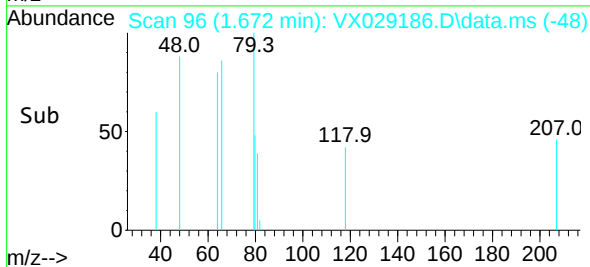
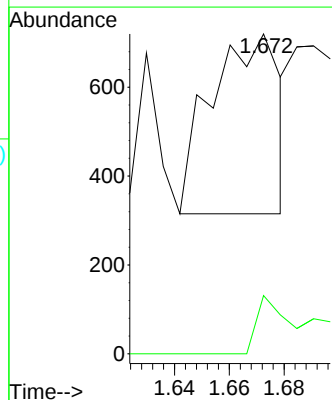
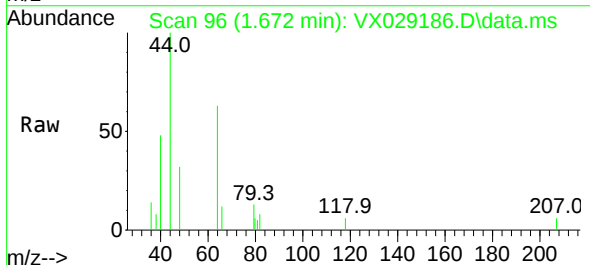
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

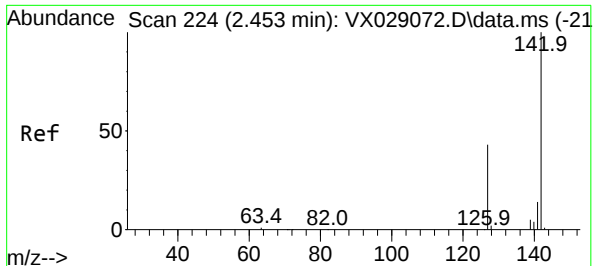
Tgt Ion: 94 Resp: 957
Ion Ratio Lower Upper
94 100
96 102.7 75.3 112.9



#6
Chloroethane
Concen: 1.644 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

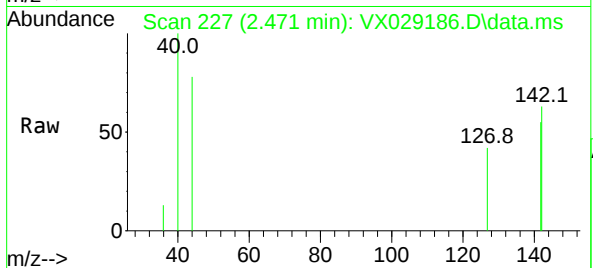
Tgt Ion: 64 Resp: 706
Ion Ratio Lower Upper
64 100
66 32.3 25.3 37.9



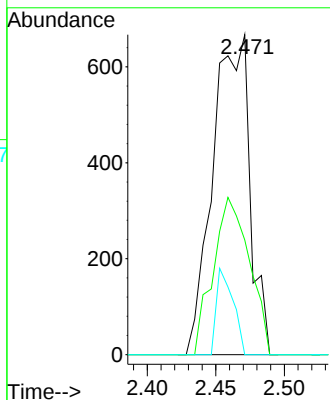
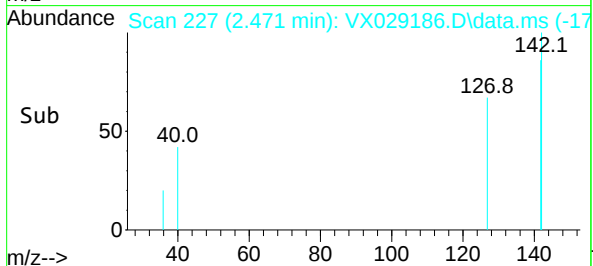


#10
Methyl Iodide
Concen: 4.537 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

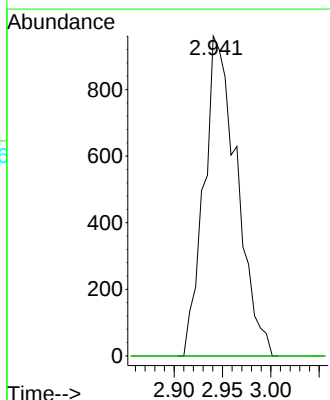
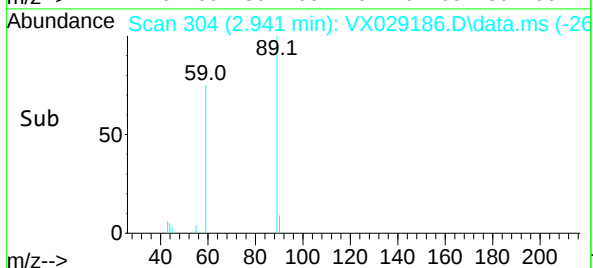
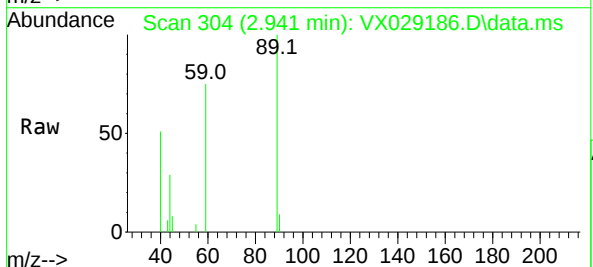


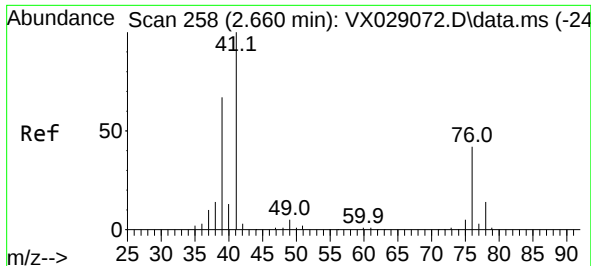
Tgt Ion:142 Resp: 1253
Ion Ratio Lower Upper
142 100
127 48.1 33.9 50.9
141 12.1 11.4 17.2



#11
Tert butyl alcohol
Concen: 2.654 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.030 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Tgt Ion: 59 Resp: 2270
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

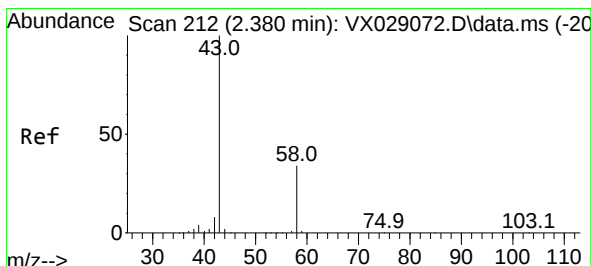
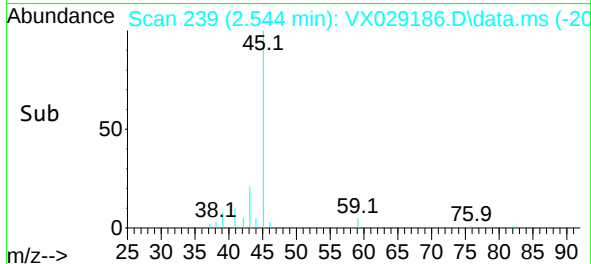
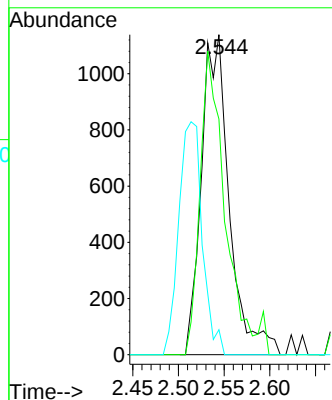
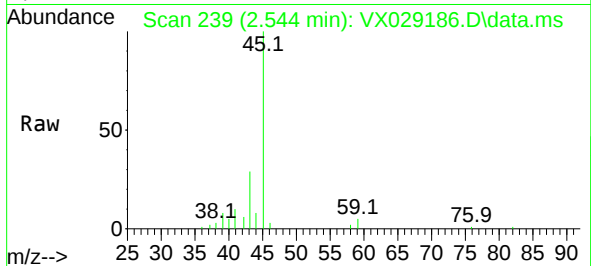




#14
 Allyl chloride
 Concen: 0.543 ug/l
 RT: 2.544 min Scan# 21
 Delta R.T. -0.116 min
 Lab File: VX029186.D
 Acq: 03 Jun 2022 13:42

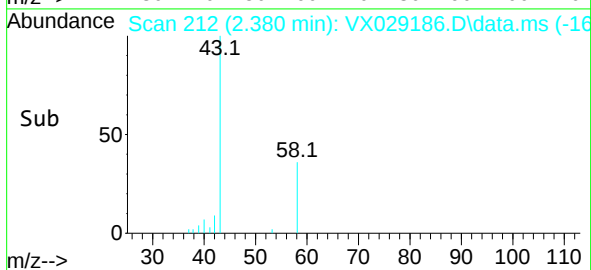
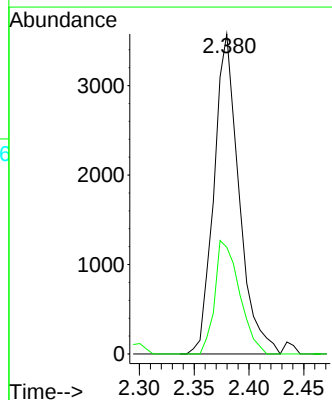
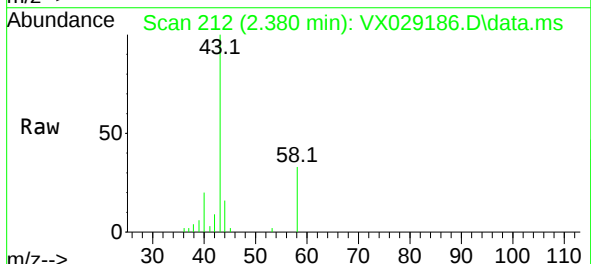
Instrument :
 MSVOA_X
 ClientSampleId :
 06BR-20220531

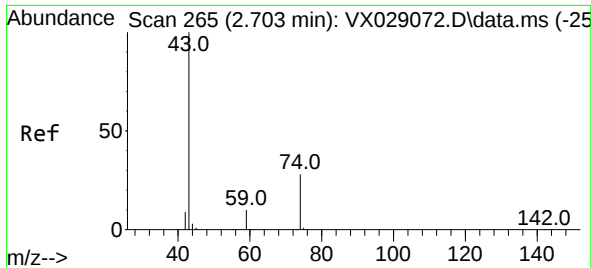
Tgt Ion: 41 Resp: 2406
 Ion Ratio Lower Upper
 41 100
 39 86.9 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 3.912 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX029186.D
 Acq: 03 Jun 2022 13:42

Tgt Ion: 43 Resp: 5687
 Ion Ratio Lower Upper
 43 100
 58 33.4 28.8 43.2

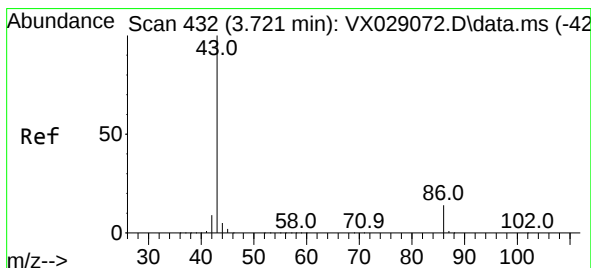
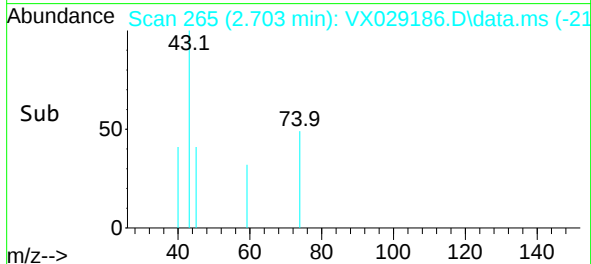
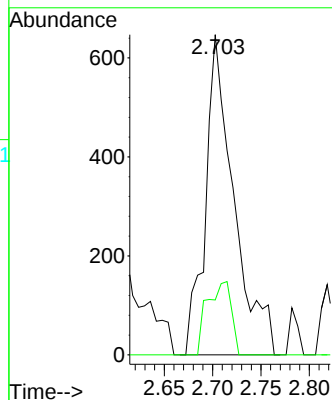
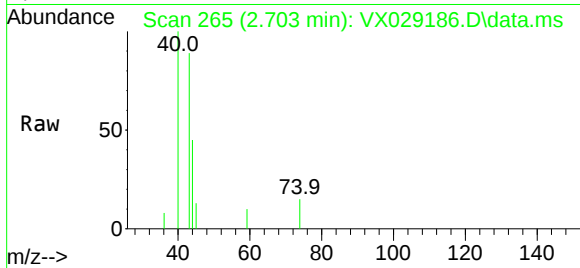




#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

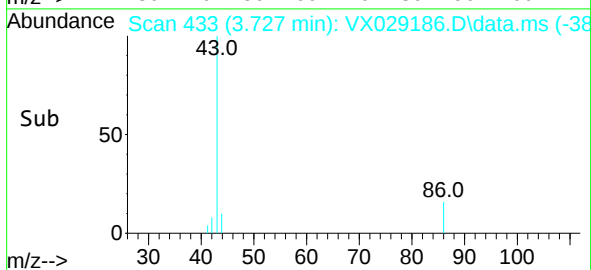
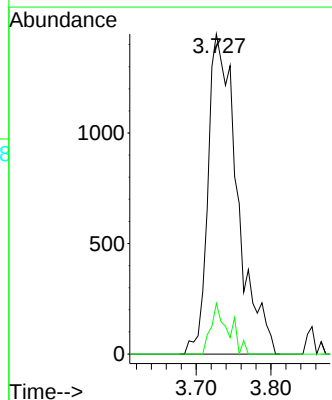
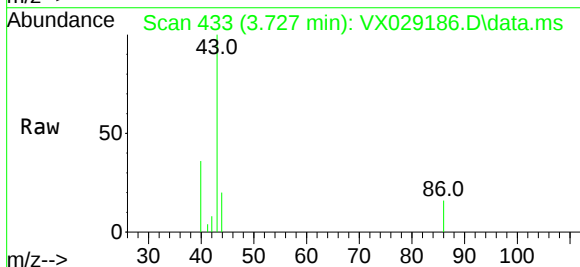
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

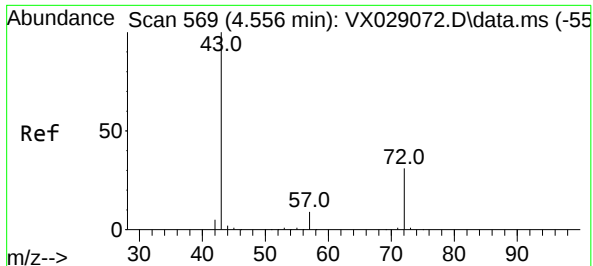
Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
74 19.4 22.8 34.2#



#23
Vinyl Acetate
Concen: 0.531 ug/l
RT: 3.727 min Scan# 433
Delta R.T. 0.006 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Tgt Ion: 43 Resp: 3930
Ion Ratio Lower Upper
43 100
86 15.8 10.8 16.2





#25

2-Butanone

Concen: 324.804 ug/l

RT: 4.715 min Scan# 51

Delta R.T. 0.159 min

Lab File: VX029186.D

Acq: 03 Jun 2022 13:42

Instrument :

MSVOA_X

ClientSampleId :

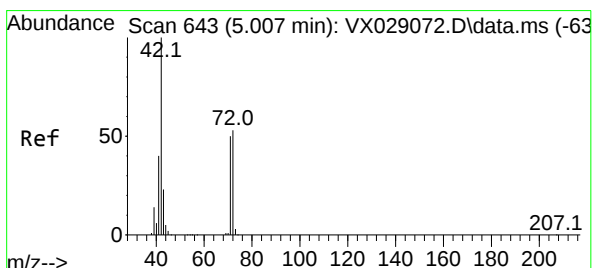
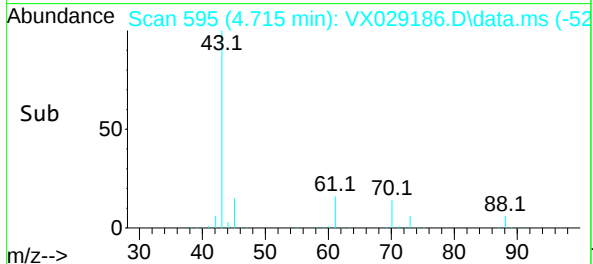
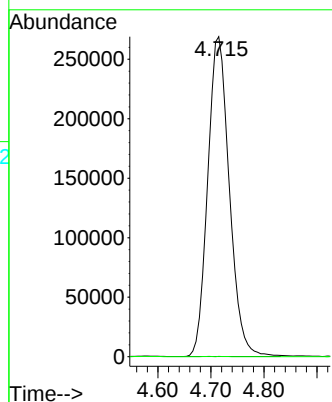
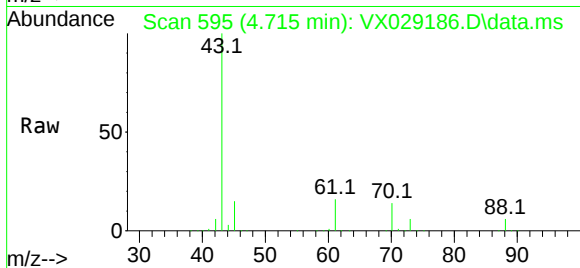
06BR-20220531

Tgt Ion: 43 Resp: 761676

Ion Ratio Lower Upper

43 100

72 0.1 24.4 36.6#



#29

Tetrahydrofuran

Concen: 2.209 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.019 min

Lab File: VX029186.D

Acq: 03 Jun 2022 13:42

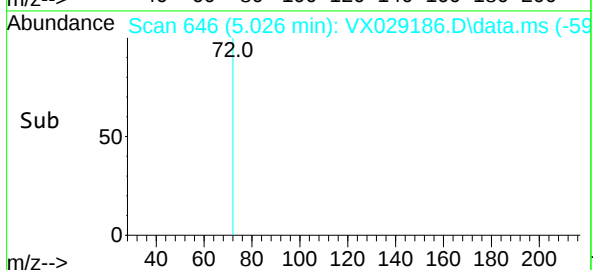
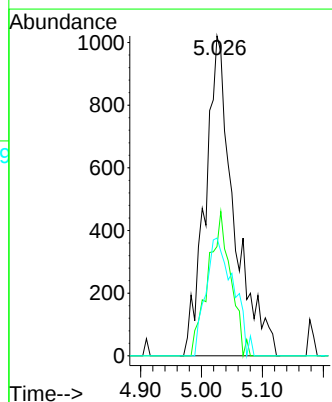
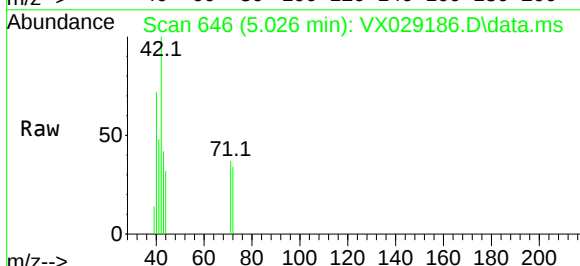
Tgt Ion: 42 Resp: 3322

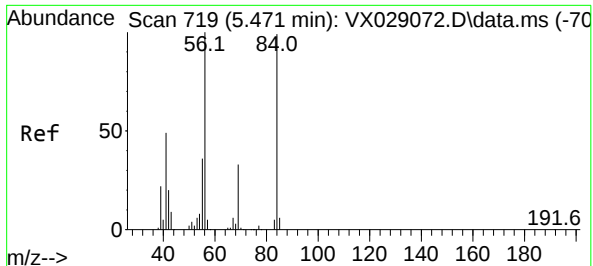
Ion Ratio Lower Upper

42 100

72 35.8 44.1 66.1#

71 35.5 40.5 60.7#

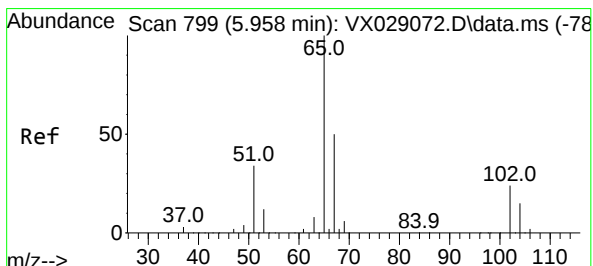
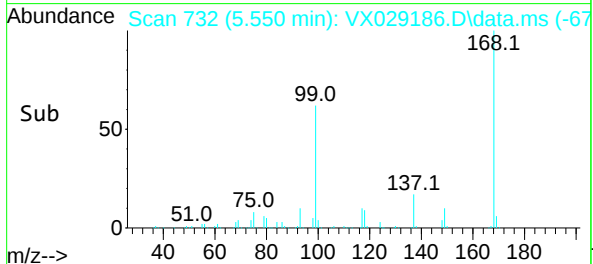
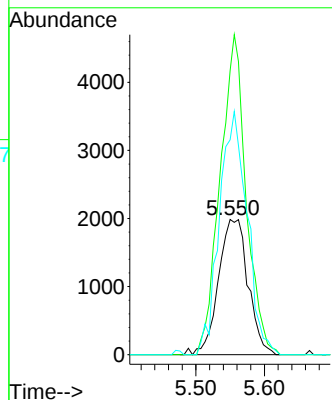
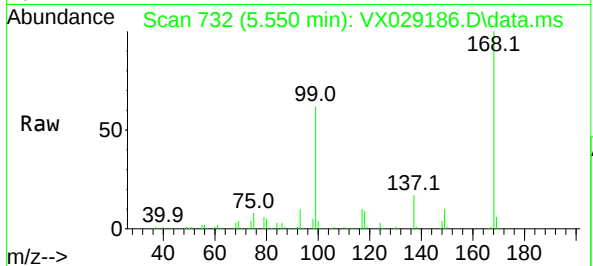




#31
Cyclohexane
Concen: 1.243 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

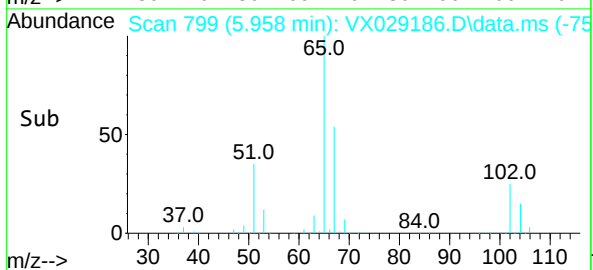
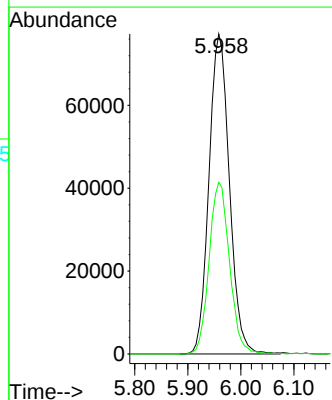
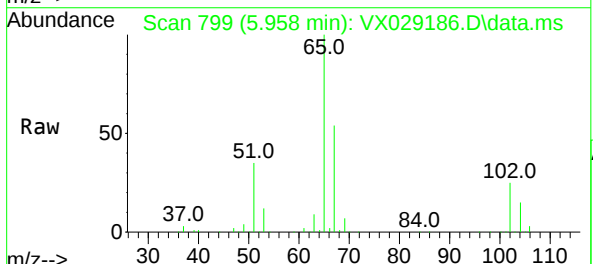
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

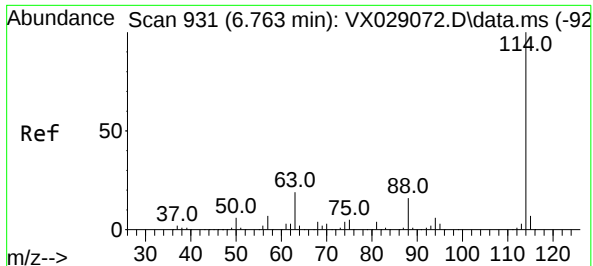
Tgt Ion: 56 Resp: 5966
Ion Ratio Lower Upper
56 100
69 210.1 26.7 40.1#
84 159.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.926 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Tgt Ion: 65 Resp: 206466
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.4

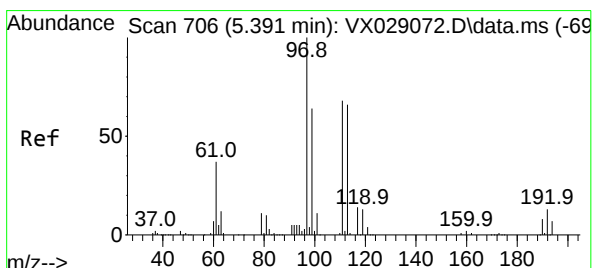
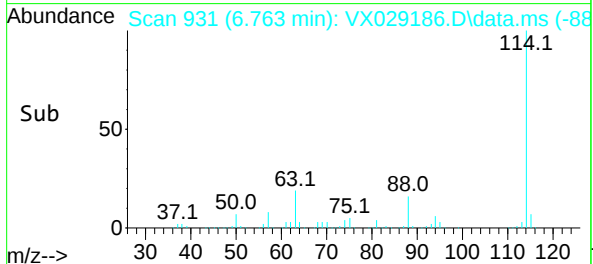
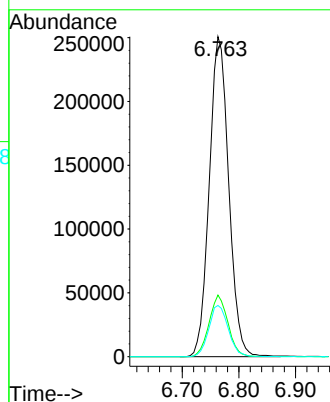
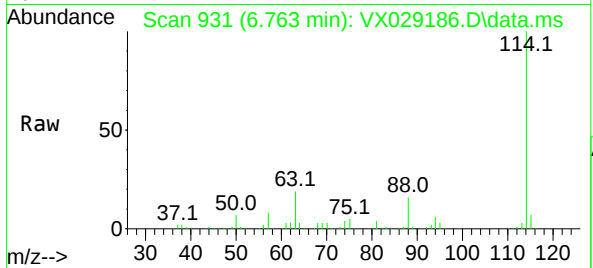




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

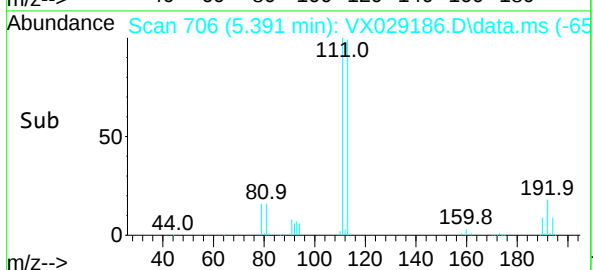
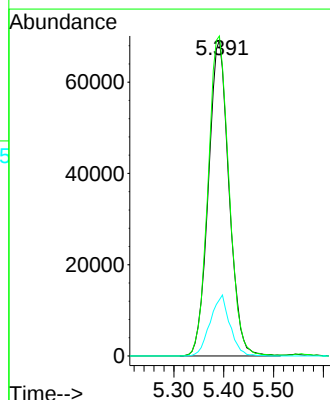
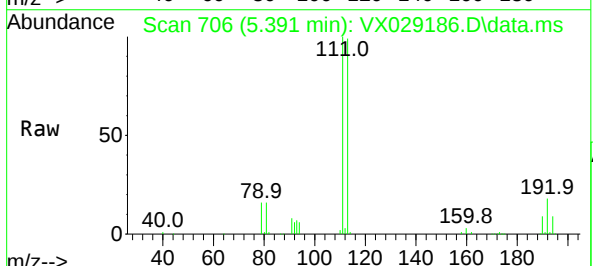
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

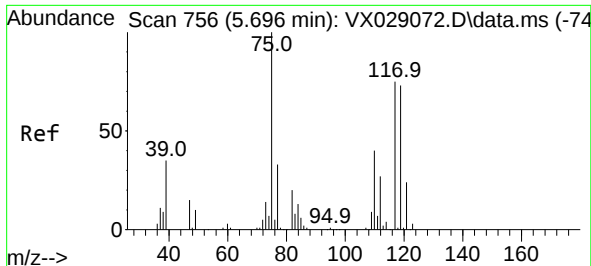
Tgt Ion:114 Resp: 597173
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.8
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.003 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Tgt Ion:113 Resp: 198338
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 18.5 16.9 25.3

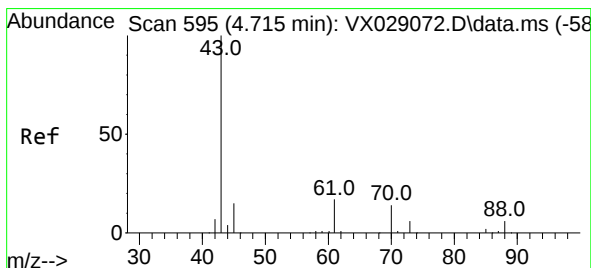
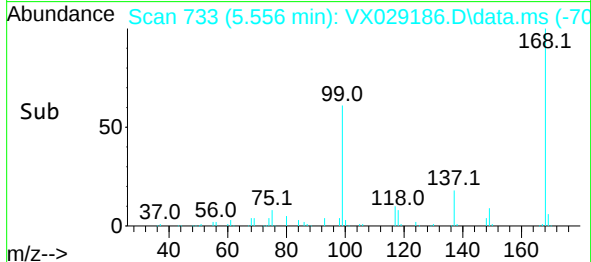
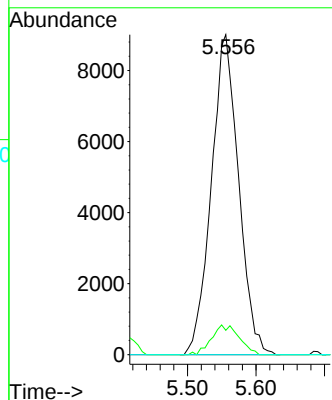
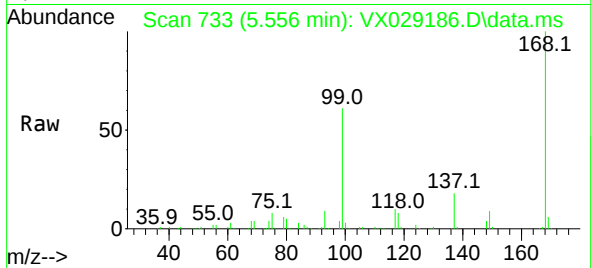




#36
1,1-Dichloropropene
Concen: 4.882 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

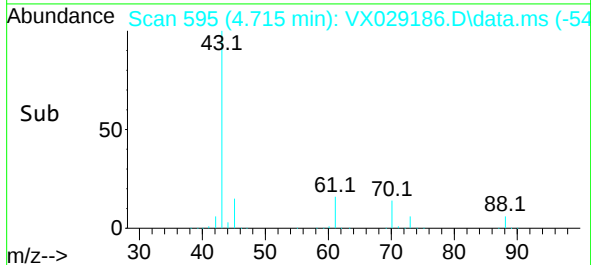
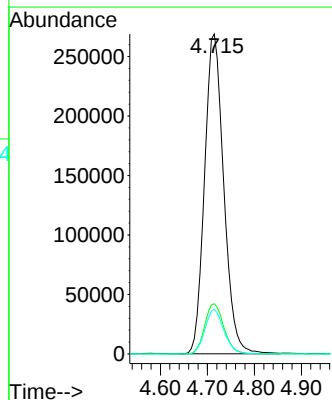
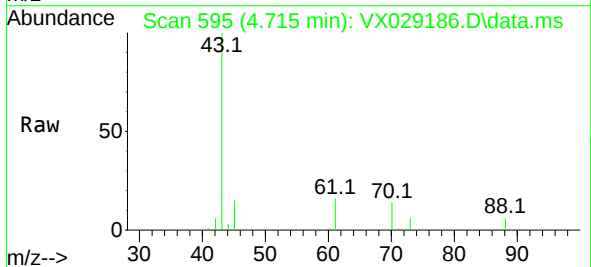
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

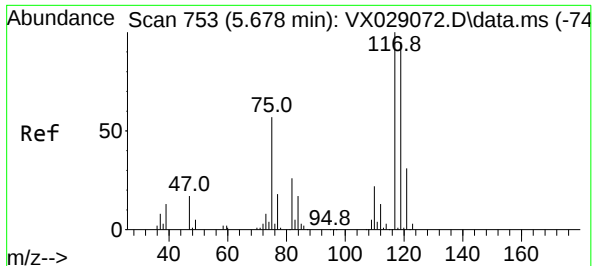
Tgt Ion: 75 Resp: 24919
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 154.171 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

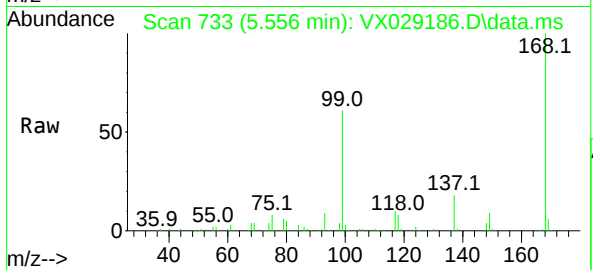
Tgt Ion: 43 Resp: 762581
Ion Ratio Lower Upper
43 100
61 15.8 12.6 19.0
70 13.8 10.2 15.2



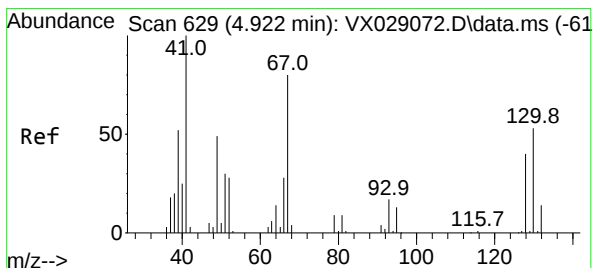
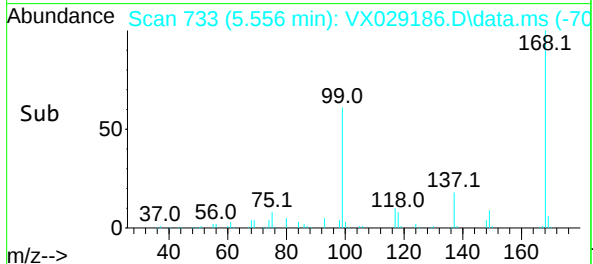
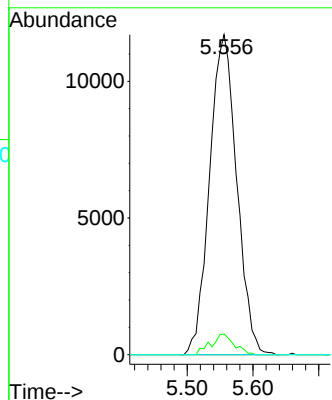


#38
Carbon Tetrachloride
Concen: 5.766 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

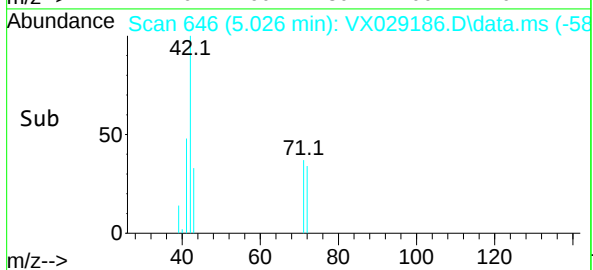
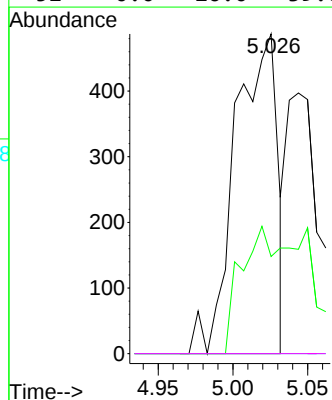
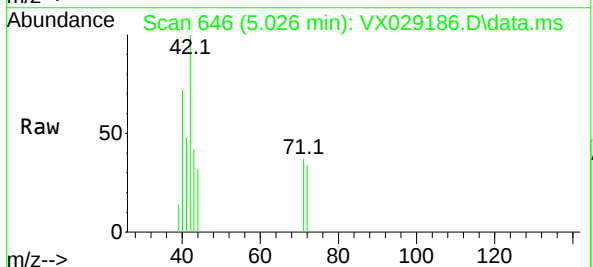


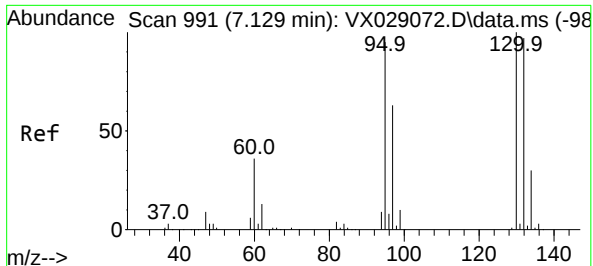
Tgt Ion:117 Resp: 33634
Ion Ratio Lower Upper
117 100
119 6.4 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.358 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Tgt Ion: 41 Resp: 957
Ion Ratio Lower Upper
41 100
39 35.3 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

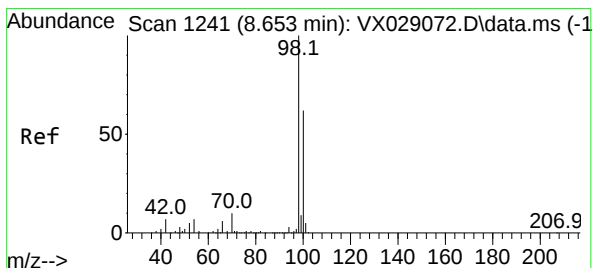
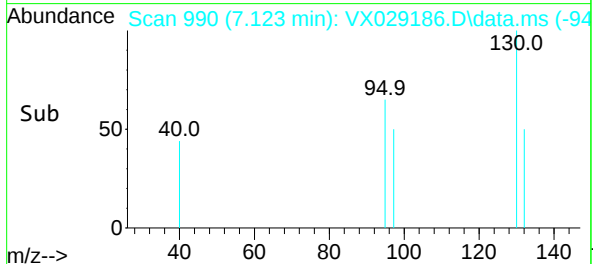
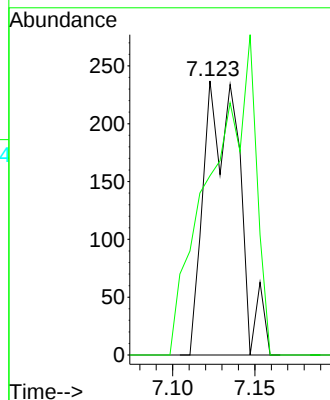
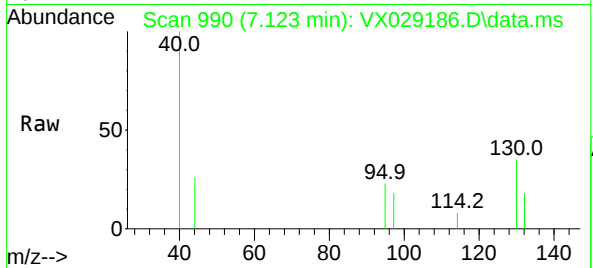




#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.123 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VX029186.D
 Acq: 03 Jun 2022 13:42

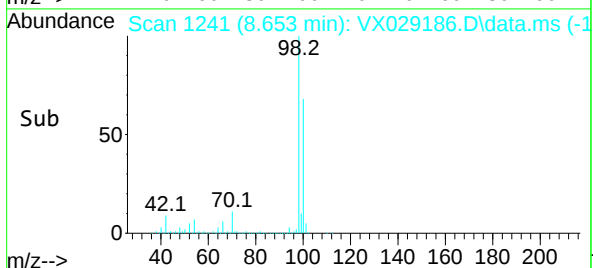
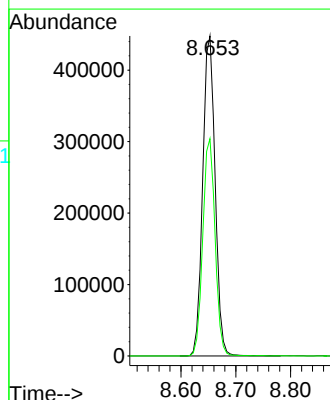
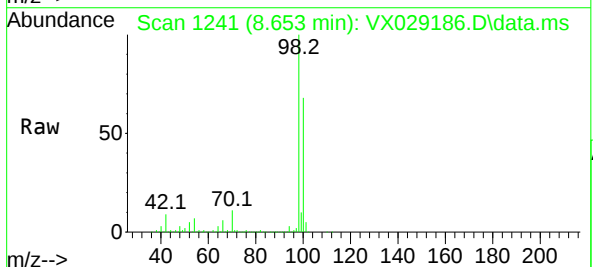
Instrument :
 MSVOA_X
 ClientSampleId :
 06BR-20220531

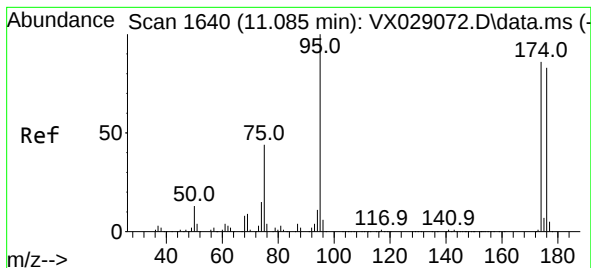
Tgt Ion:130 Resp: 354
 Ion Ratio Lower Upper
 130 100
 95 65.4 0.0 188.8



#50
 Toluene-d8
 Concen: 48.497 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX029186.D
 Acq: 03 Jun 2022 13:42

Tgt Ion: 98 Resp: 703562
 Ion Ratio Lower Upper
 98 100
 100 67.3 52.6 78.8

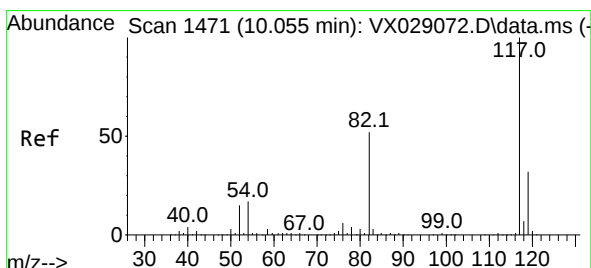
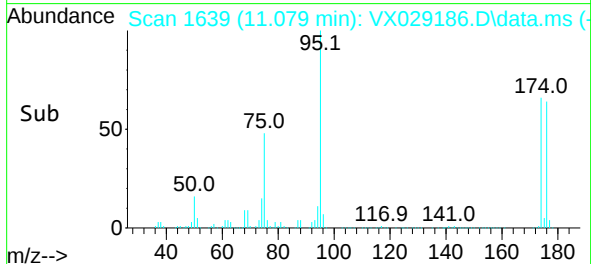
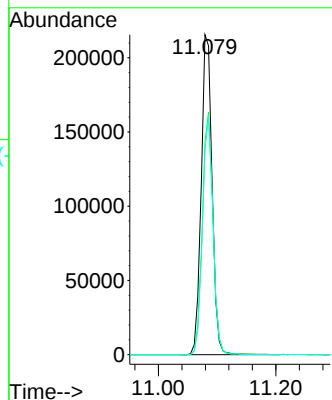
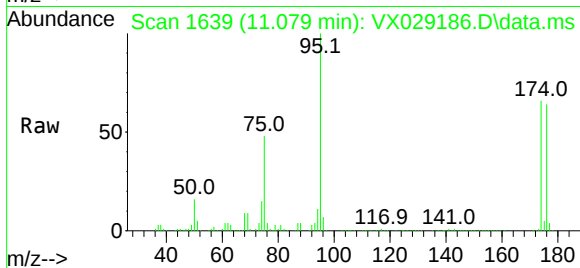




#62
4-Bromofluorobenzene
Concen: 49.396 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

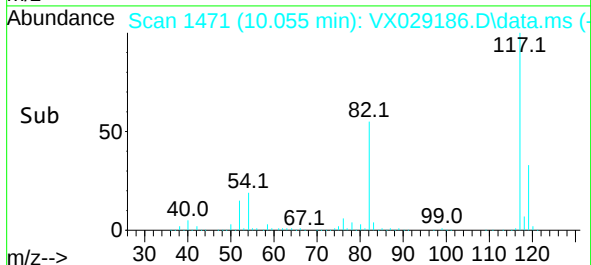
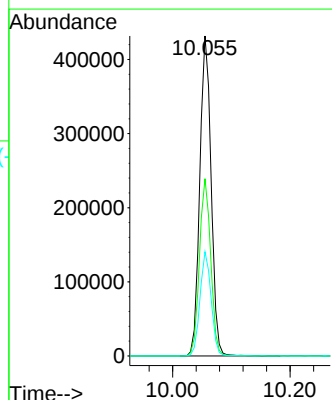
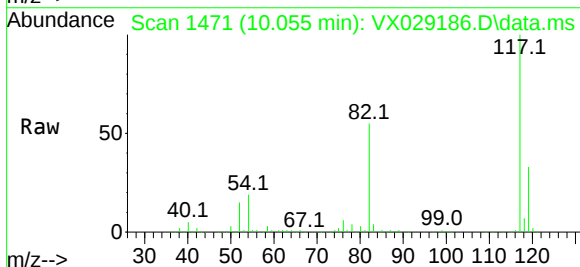
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

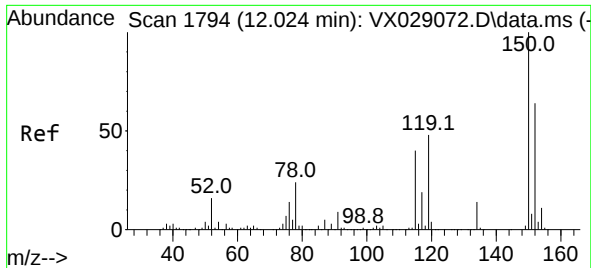
Tgt Ion: 95 Resp: 277004
Ion Ratio Lower Upper
95 100
174 74.3 0.0 163.0
176 72.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Tgt Ion: 117 Resp: 576375
Ion Ratio Lower Upper
117 100
82 55.4 41.8 62.8
119 32.6 24.8 37.2

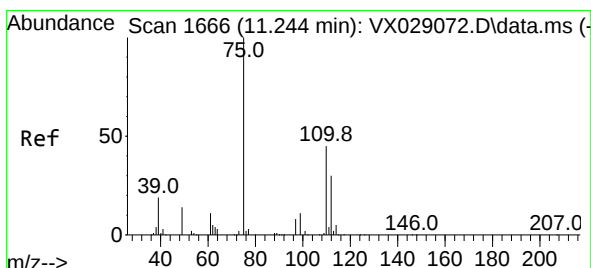
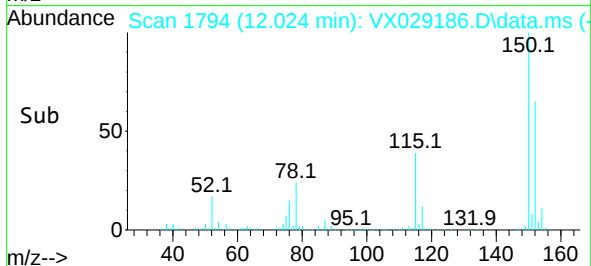
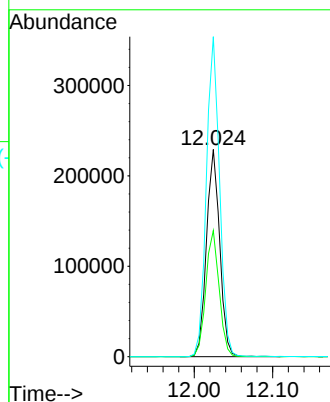
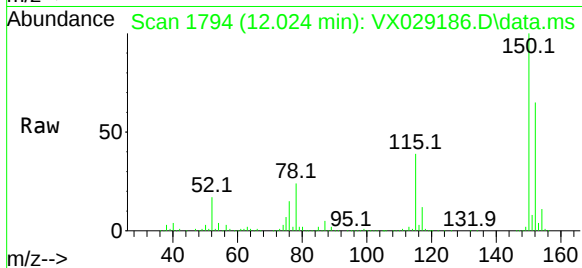




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029186.D
 Acq: 03 Jun 2022 13:42

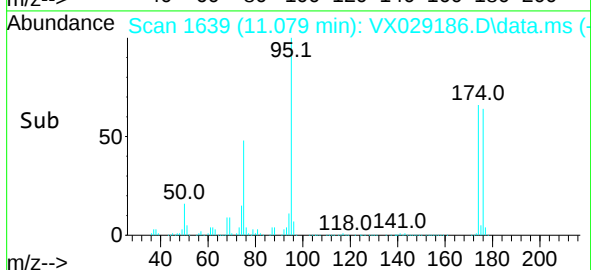
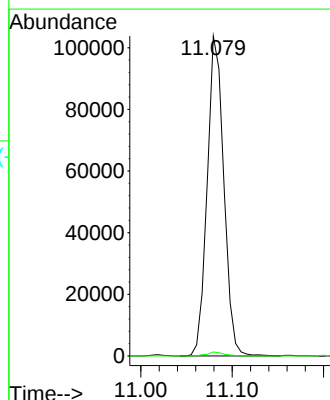
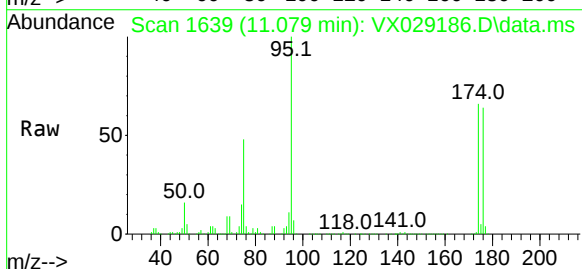
Instrument :
 MSVOA_X
 ClientSampleId :
 06BR-20220531

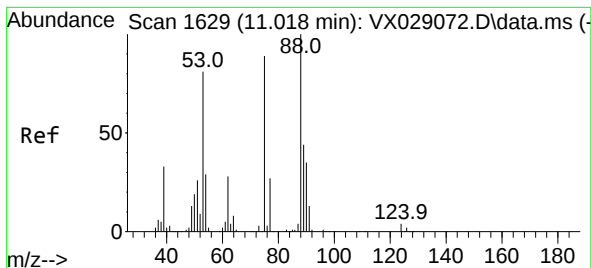
Tgt Ion:152 Resp: 268426
 Ion Ratio Lower Upper
 152 100
 115 61.5 37.5 112.7
 150 153.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.031 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029186.D
 Acq: 03 Jun 2022 13:42

Tgt Ion: 75 Resp: 130764
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

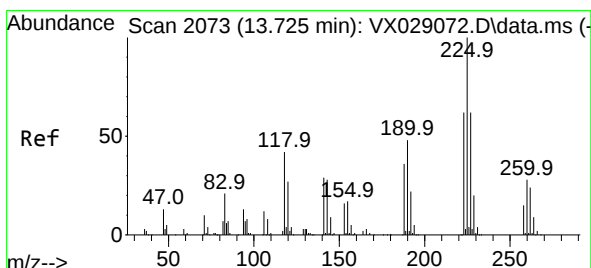
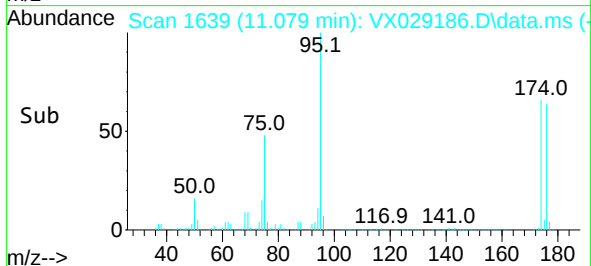
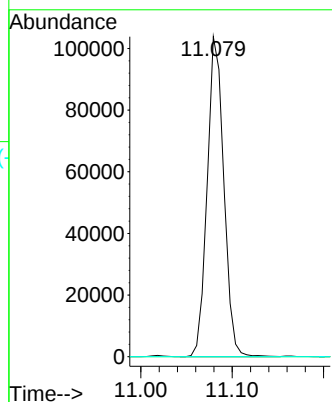
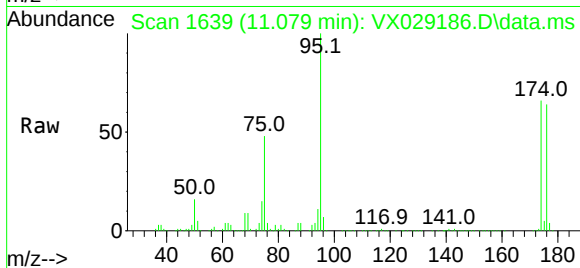




#81
trans-1,4-Dichloro-2-butene
Concen: 70.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

Tgt Ion: 75 Resp: 130764
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX029186.D
Acq: 03 Jun 2022 13:42

Tgt Ion: 225 Resp: 229
Ion Ratio Lower Upper
225 100
223 71.2 34.2 102.5
227 45.9 33.9 101.7

