

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029050.D
 Acq On : 28 May 2022 02:29
 Operator : JC/MD
 Sample : N3022-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20220525

Quant Time: May 28 08:37:44 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

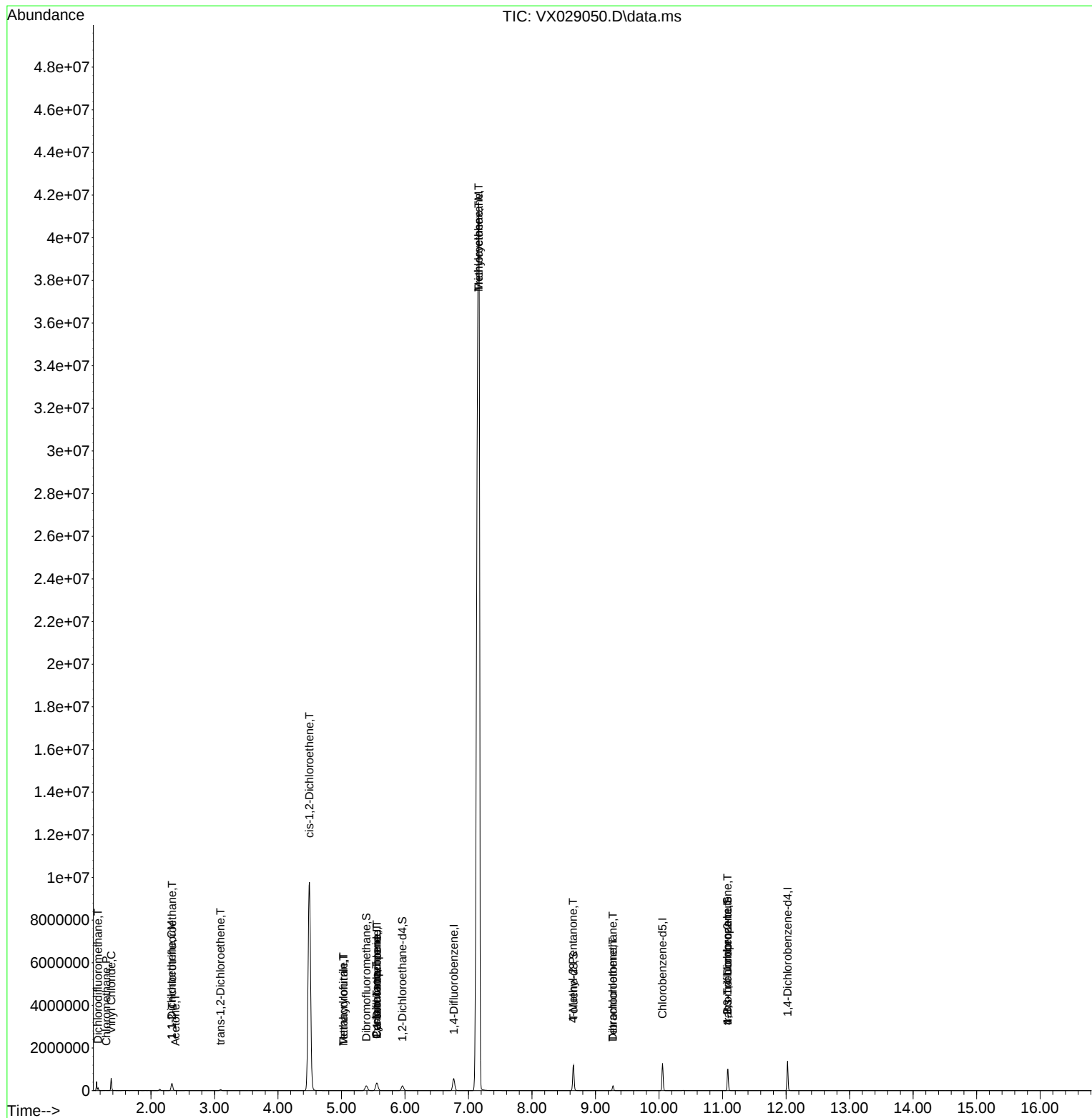
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	340650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	608231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	598502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	287999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	219320	46.968	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.940%
35) Dibromofluoromethane	5.391	113	201118	50.468	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.940%
50) Toluene-d8	8.653	98	720219	47.937	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.880%
62) 4-Bromofluorobenzene	11.079	95	289719	51.628	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.260%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	59094	13.248	ug/l	100
3) Chloromethane	1.294	50	913	0.217	ug/l	99
4) Vinyl Chloride	1.374	62	347128	76.681	ug/l	99
5) Bromomethane	1.618	94	1303	Below Cal		98
9) 1,1,2-Trichlorotrifluo...	2.331	101	105976	27.903	ug/l	98
11) Tert butyl alcohol	2.953	59	414	Below Cal	#	72
12) 1,1-Dichloroethene	2.325	96	37061	10.512	ug/l	94
16) Acetone	2.386	43	2951	1.473	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	20599	5.187	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	6686812	1441.707	ug/l	85
29) Tetrahydrofuran	5.032	42	2233	1.092	ug/l	93
31) Cyclohexane	5.550	56	6124	0.945	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	25002	4.177	ug/l #	49
38) Carbon Tetrachloride	5.556	117	34694	5.760	ug/l #	15
39) Methylcyclohexane	7.159	83	342597	49.911	ug/l #	1
41) Methacrylonitrile	5.032	41	1342	0.400	ug/l #	38
44) Trichloroethene	7.159	130	22517463	4826.558	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2548	0.396	ug/l #	1
60) Dibromochloromethane	9.275	129	41734	9.484	ug/l #	9
64) Tetrachloroethene	9.275	164	42524	9.409	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	139385	20.666	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	139385	60.750	ug/l #	15

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

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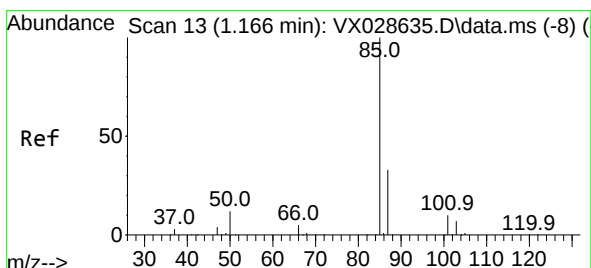
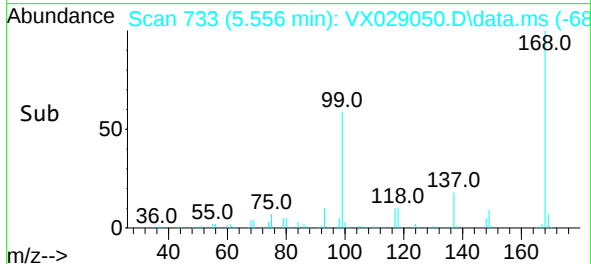
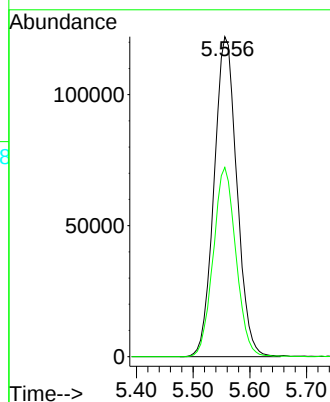
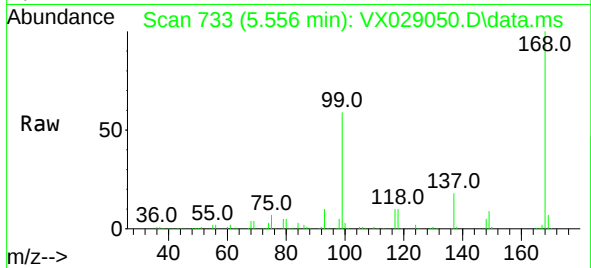




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

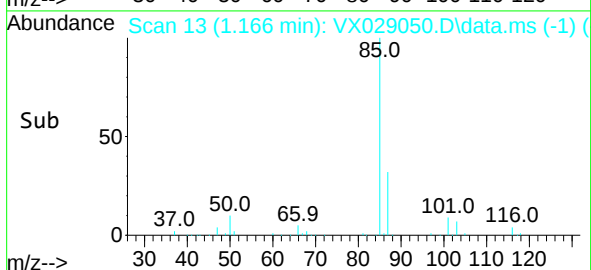
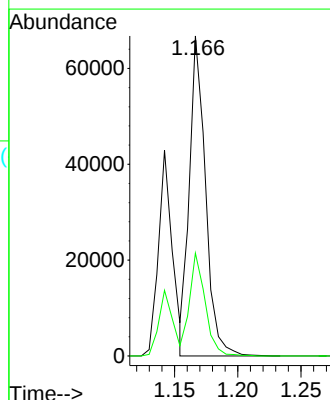
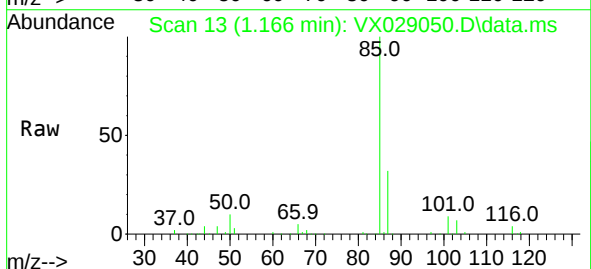
Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

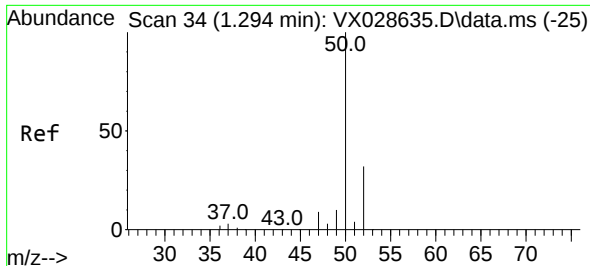
Tgt Ion:168 Resp: 340650
Ion Ratio Lower Upper
168 100
99 59.2 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 13.248 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 85 Resp: 59094
Ion Ratio Lower Upper
85 100
87 32.1 16.2 48.6

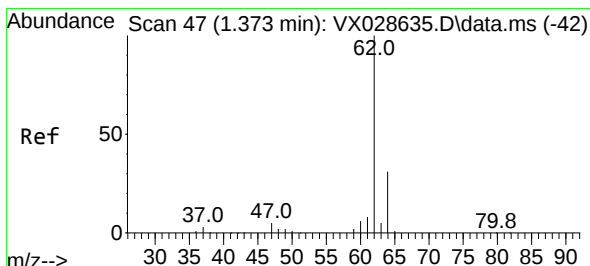
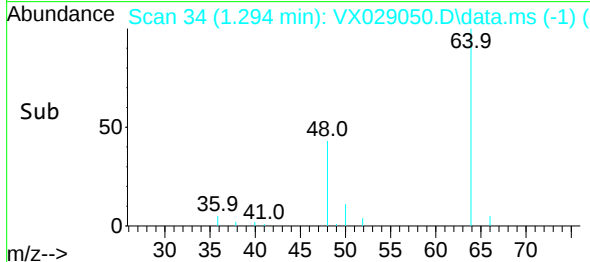
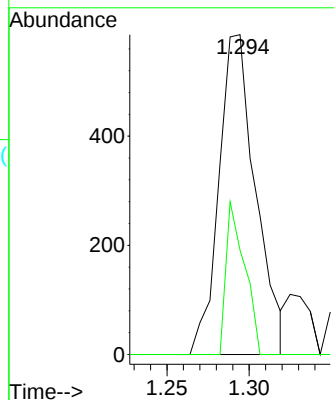
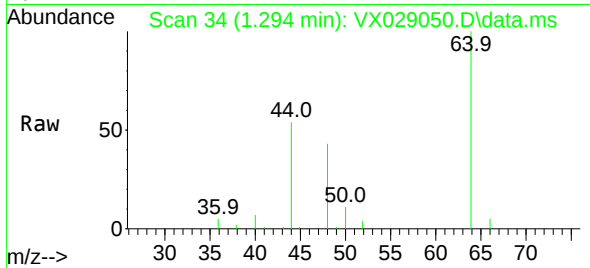




#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

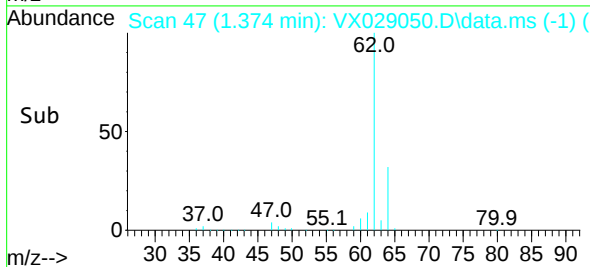
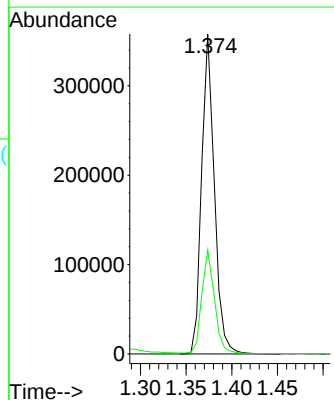
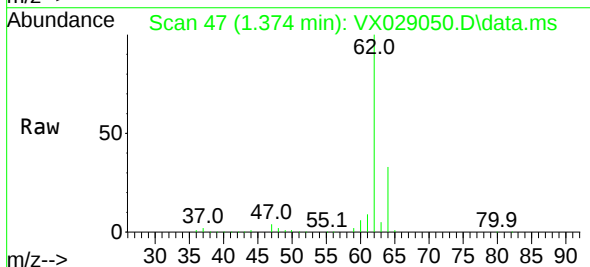
Instrument :
MSVOA_X
ClientSampleId :
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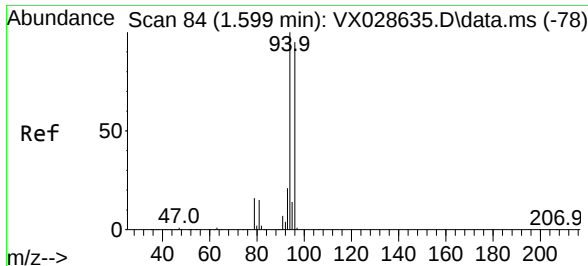
Tgt Ion: 50 Resp: 913
Ion Ratio Lower Upper
50 100
52 32.6 26.4 39.6



#4
Vinyl Chloride
Concen: 76.681 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 62 Resp: 347128
Ion Ratio Lower Upper
62 100
64 32.4 25.5 38.3

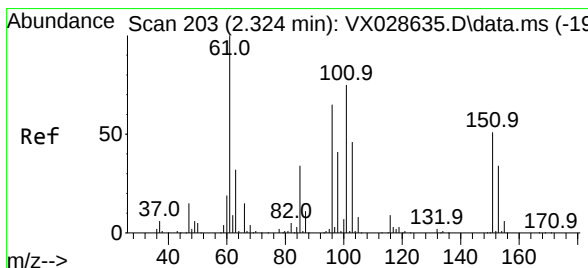
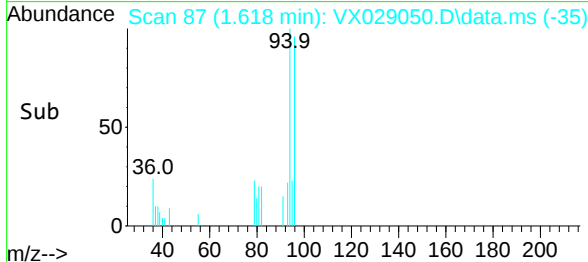
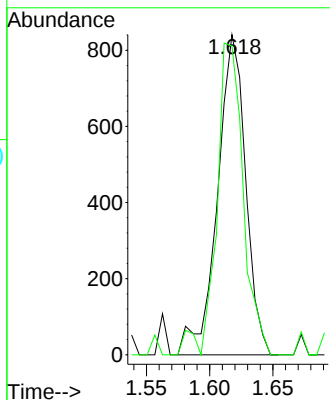
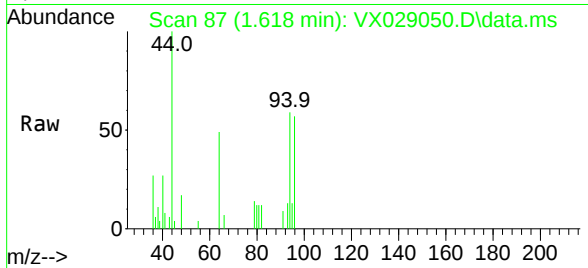




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

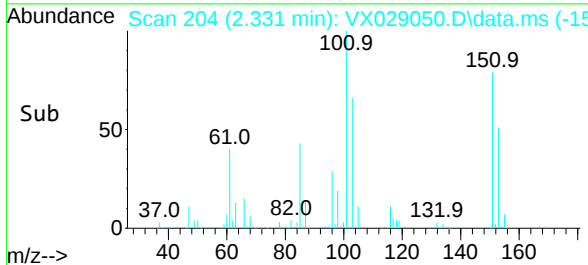
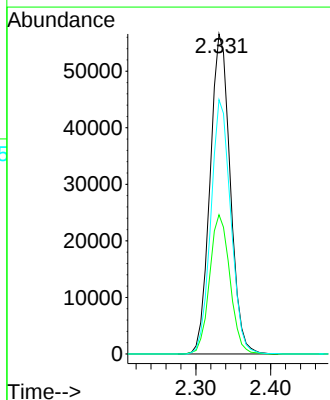
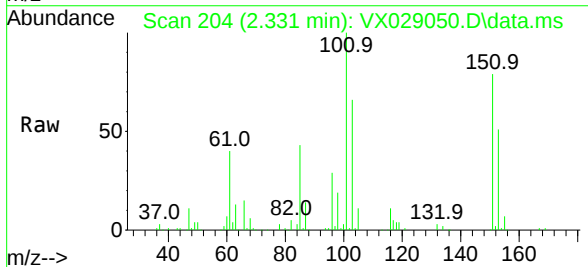
Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

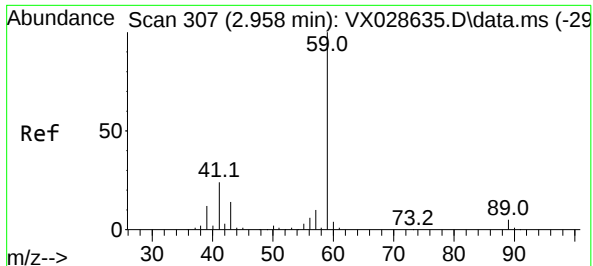
Tgt Ion: 94 Resp: 1303
Ion Ratio Lower Upper
94 100
96 96.4 75.3 112.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 27.903 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion:101 Resp: 105976
Ion Ratio Lower Upper
101 100
85 43.7 33.5 50.3
151 78.7 61.8 92.6

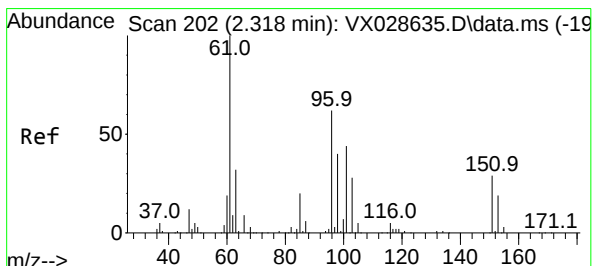
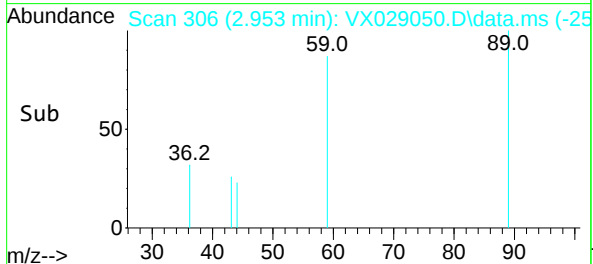
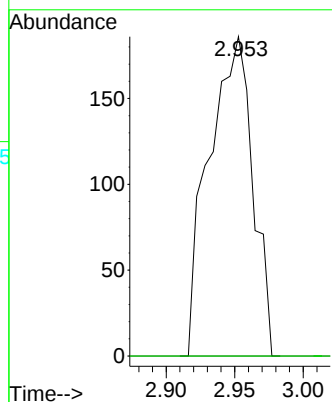
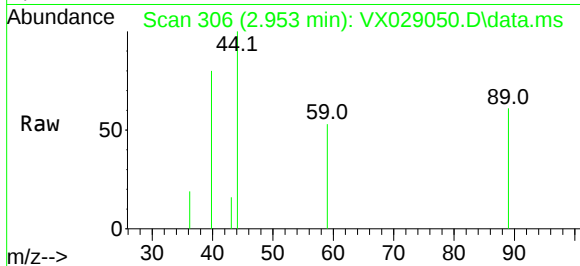




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 307
Delta R.T. -0.005 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

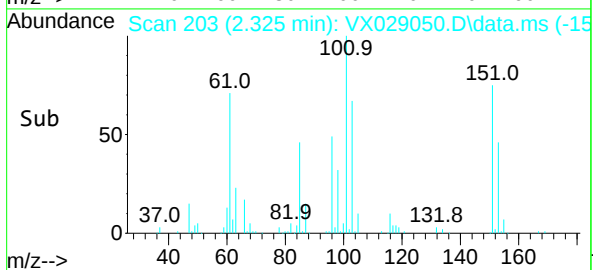
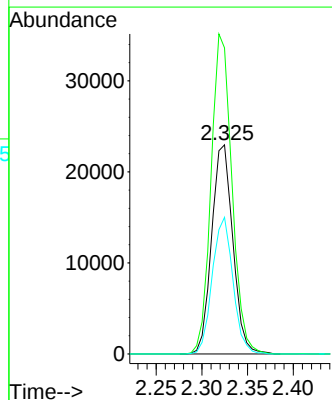
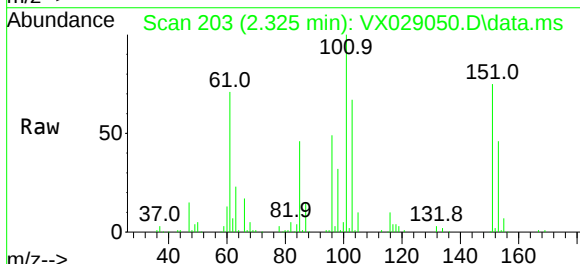
Instrument :
MSVOA_X
ClientSampleId :
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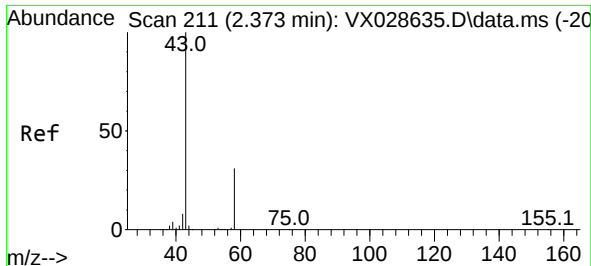
Tgt Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 10.512 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 96 Resp: 37061
Ion Ratio Lower Upper
96 100
61 146.4 124.6 187.0
98 65.3 51.0 76.4

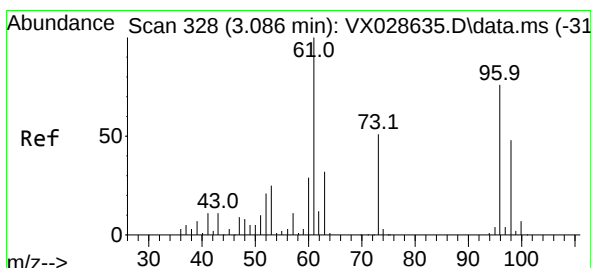
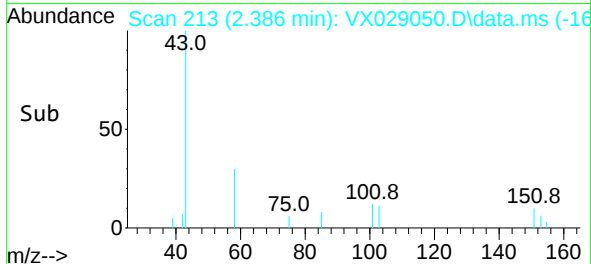
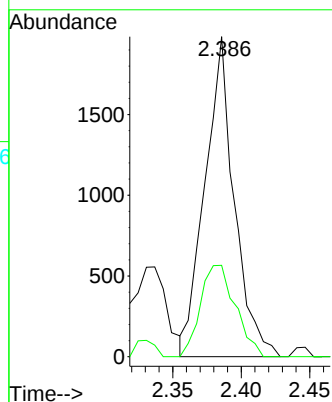
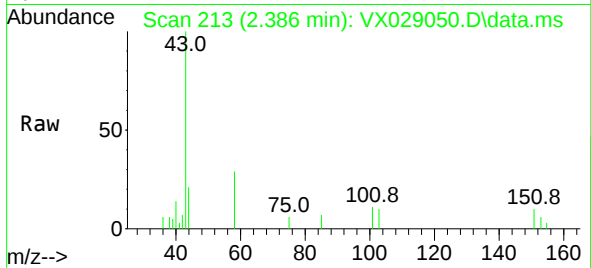




#16
Acetone
Concen: 1.473 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.013 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

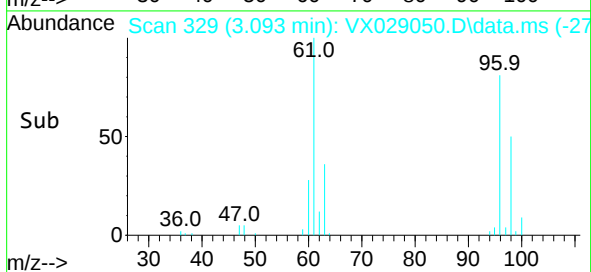
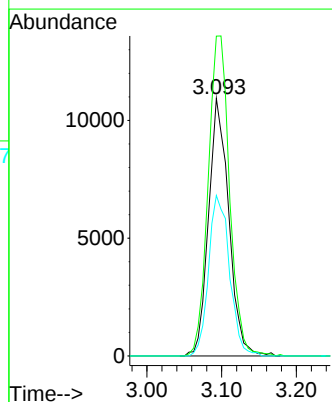
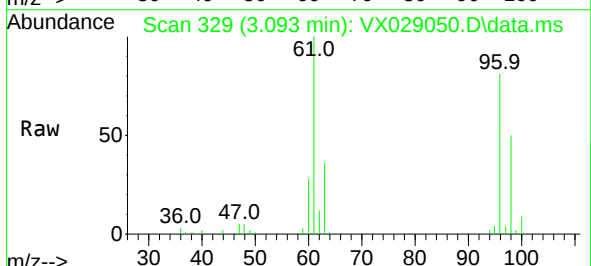
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ClientSampleId :
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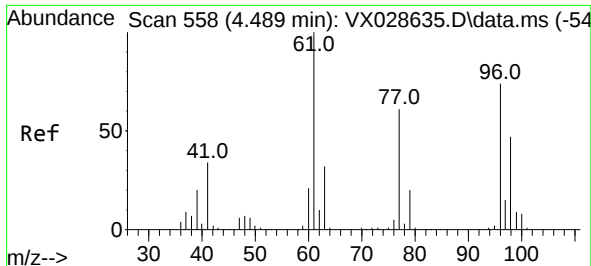
Tgt Ion: 43 Resp: 2951
Ion Ratio Lower Upper
43 100
58 28.6 28.8 43.2#



#21
trans-1,2-Dichloroethene
Concen: 5.187 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.007 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 96 Resp: 20599
Ion Ratio Lower Upper
96 100
61 124.2 105.4 158.2
98 62.3 50.0 75.0





#27

cis-1,2-Dichloroethene

Concen: 1441.707 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029050.D

Acq: 28 May 2022 02:29

Instrument :

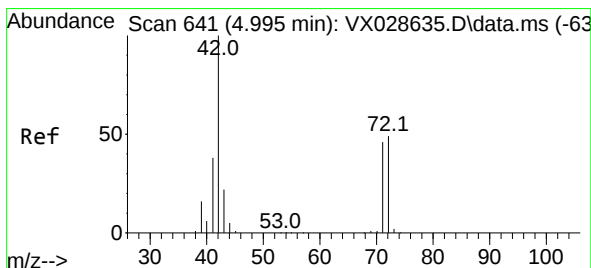
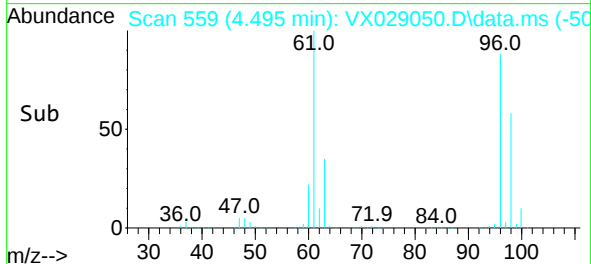
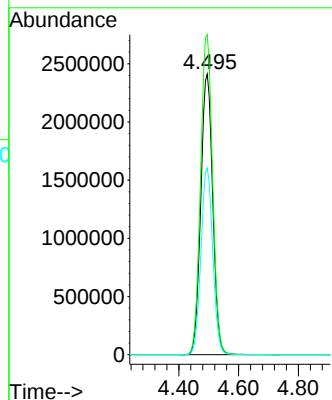
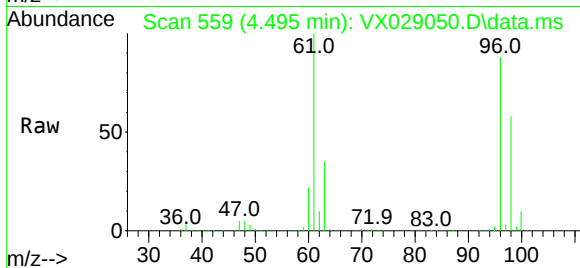
MSVOA_X

ClientSampleId :

56BR-20220525

Tgt Ion: 96 Resp: 6686812

Ion	Ratio	Lower	Upper
96	100		
61	115.6	0.0	283.8
98	65.8	0.0	129.8



#29

Tetrahydrofuran

Concen: 1.092 ug/l

RT: 5.032 min Scan# 647

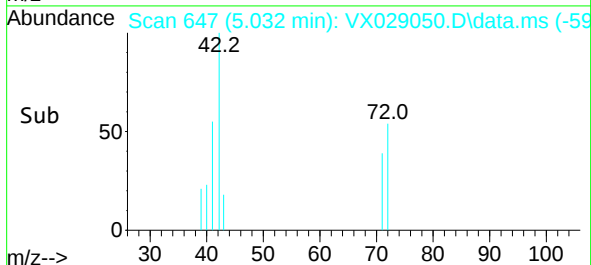
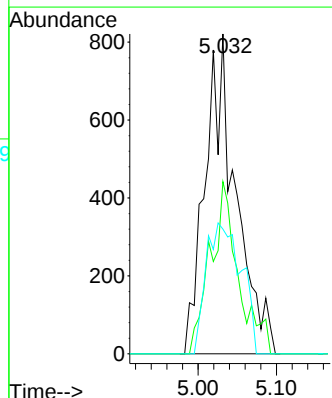
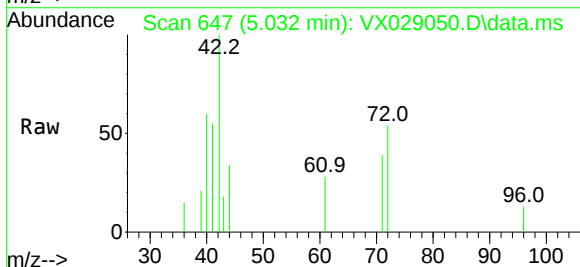
Delta R.T. 0.037 min

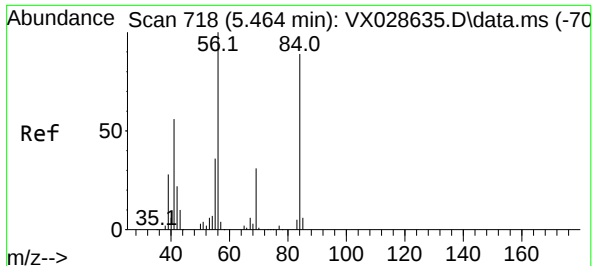
Lab File: VX029050.D

Acq: 28 May 2022 02:29

Tgt Ion: 42 Resp: 2233

Ion	Ratio	Lower	Upper
42	100		
72	49.1	44.1	66.1
71	46.8	40.5	60.7

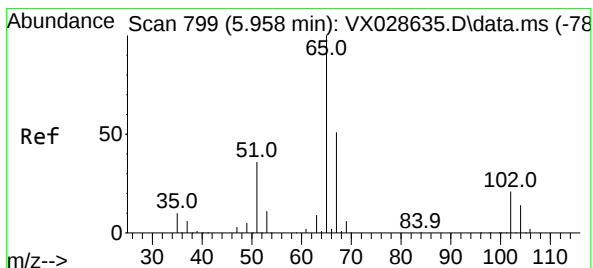
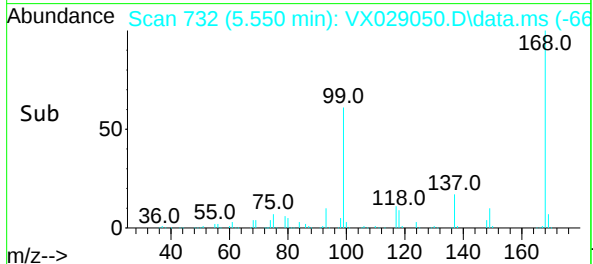
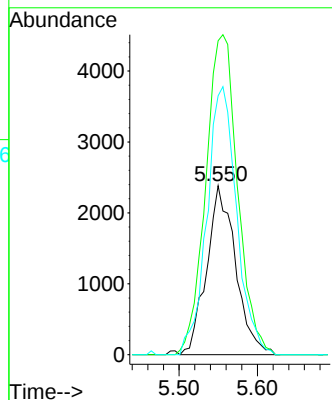
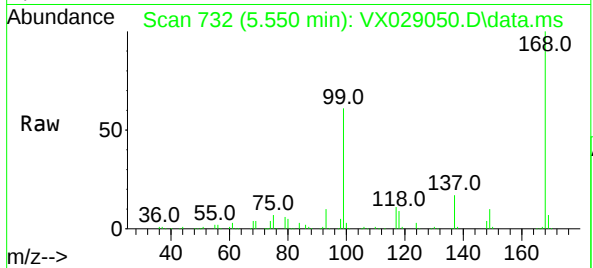




#31
Cyclohexane
Concen: 0.945 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

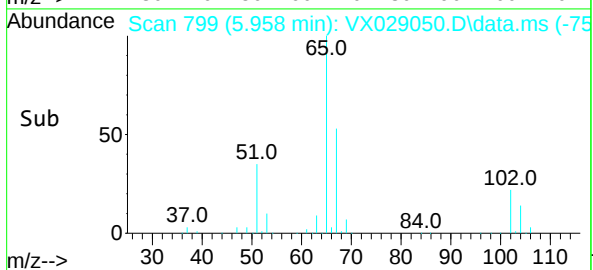
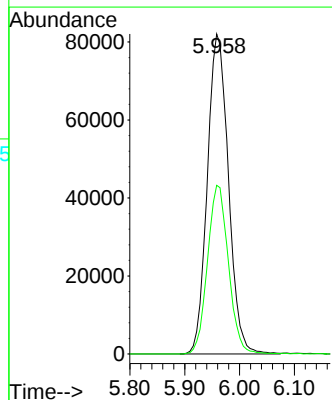
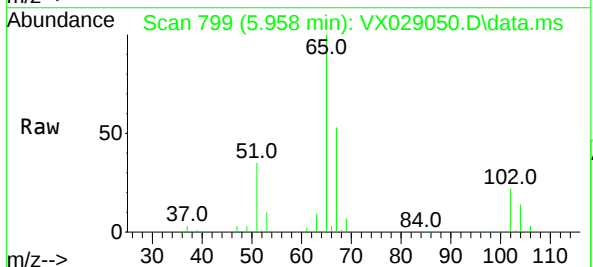
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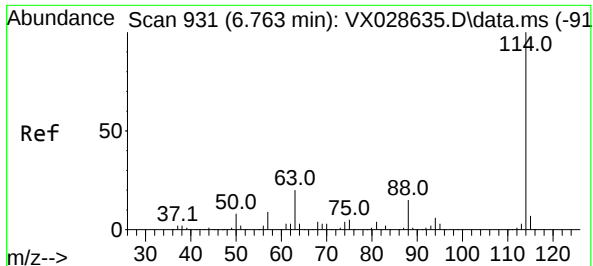
Tgt Ion: 56 Resp: 6124
Ion Ratio Lower Upper
56 100
69 185.8 26.7 40.1#
84 153.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 46.968 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 65 Resp: 219320
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4

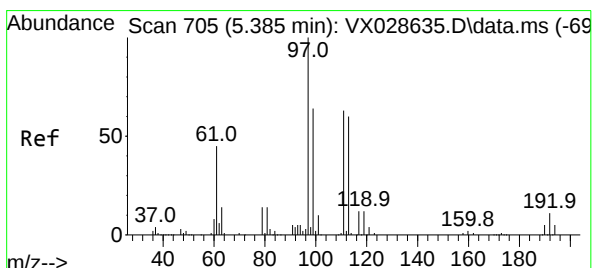
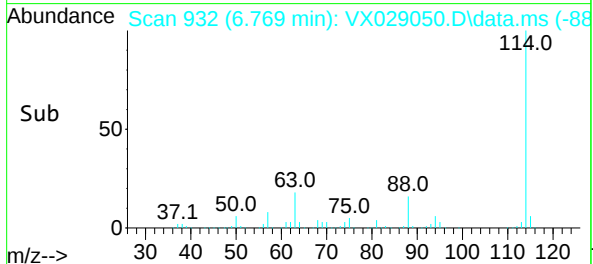
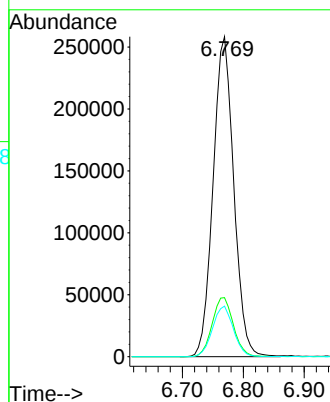
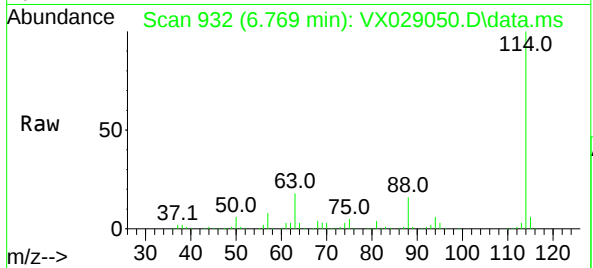




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

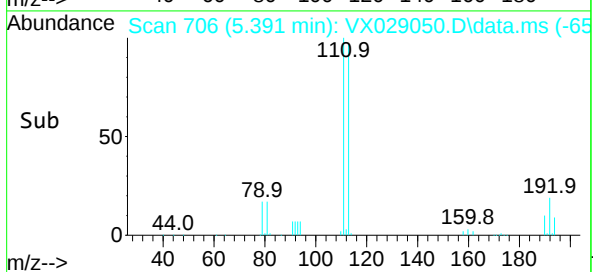
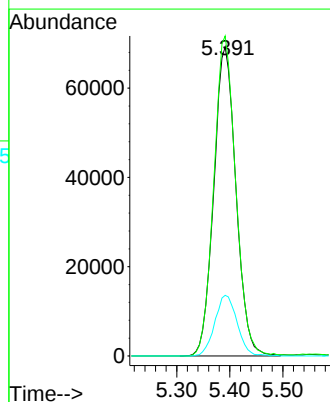
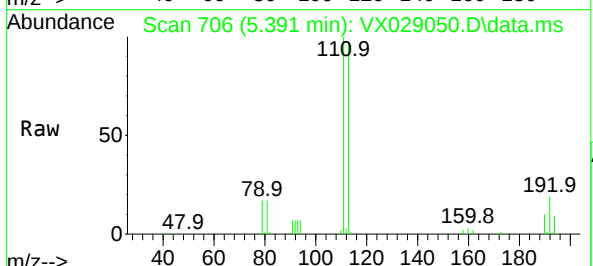
Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

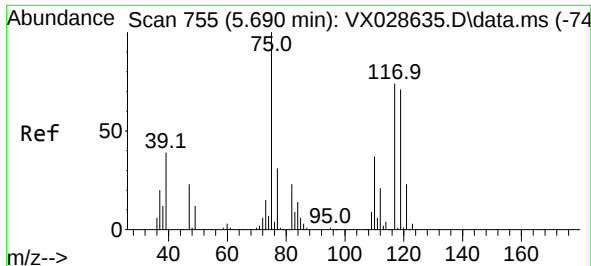
Tgt Ion:114 Resp: 608231
Ion Ratio Lower Upper
114 100
63 18.4 0.0 36.8
88 15.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.468 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion:113 Resp: 201118
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 19.8 16.9 25.3

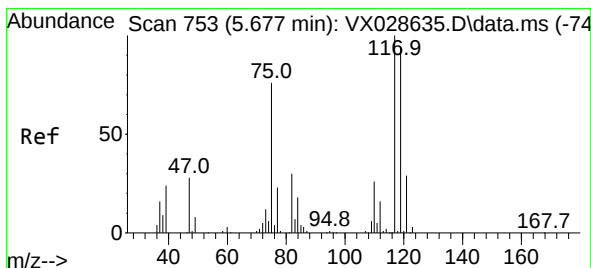
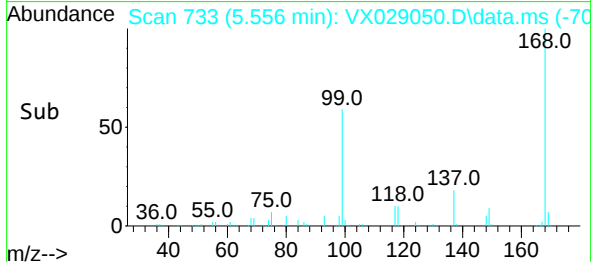
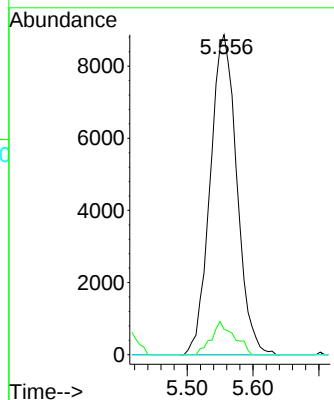
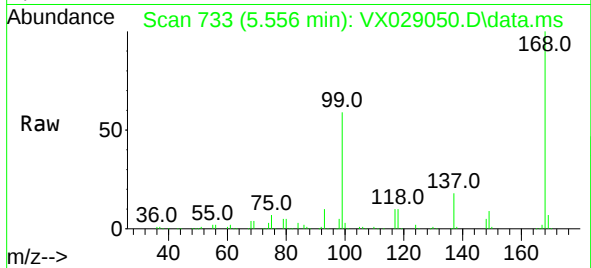




#36
1,1-Dichloropropene
Concen: 4.177 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

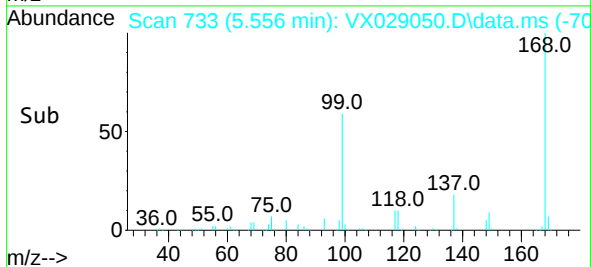
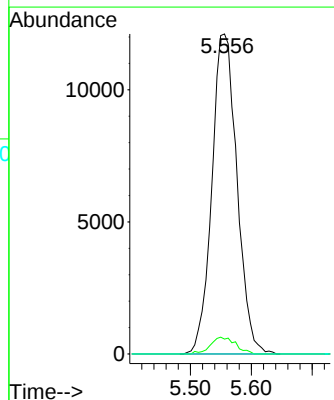
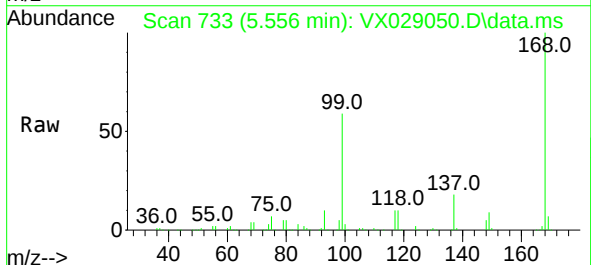
Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

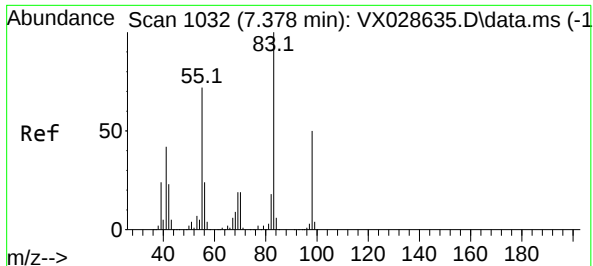
Tgt Ion: 75 Resp: 25002
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.760 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 117 Resp: 34694
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#

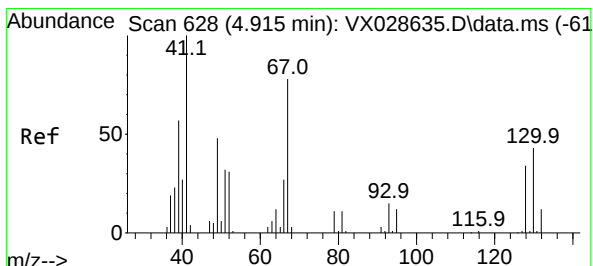
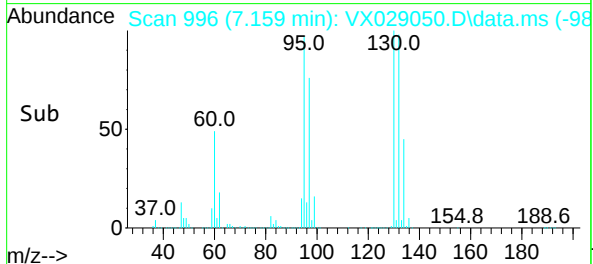
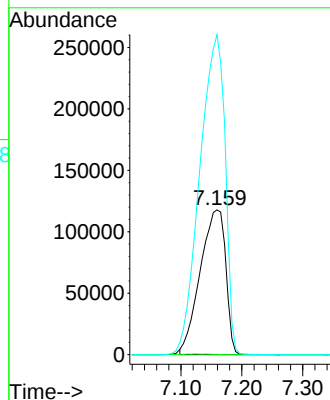
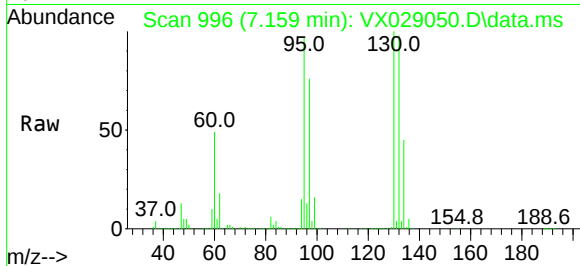




#39
Methylcyclohexane
Concen: 49.911 ug/l
RT: 7.159 min Scan# 91
Delta R.T. -0.219 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

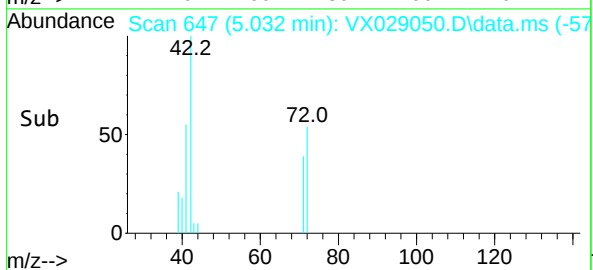
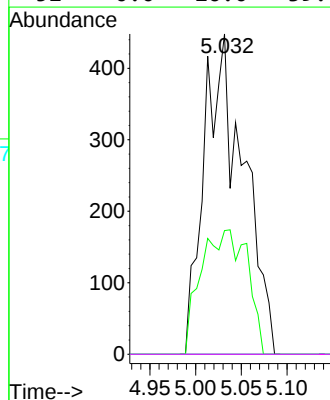
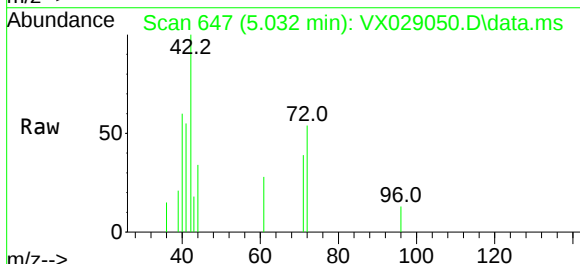
Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

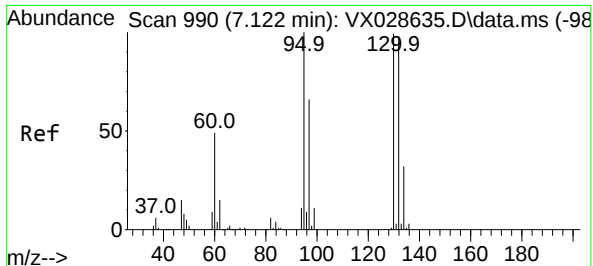
Tgt Ion: 83 Resp: 342597
Ion Ratio Lower Upper
83 100
55 0.2 54.6 81.8#
98 220.9 37.4 56.2#



#41
Methacrylonitrile
Concen: 0.400 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.117 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 41 Resp: 1342
Ion Ratio Lower Upper
41 100
39 45.8 43.0 64.4
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

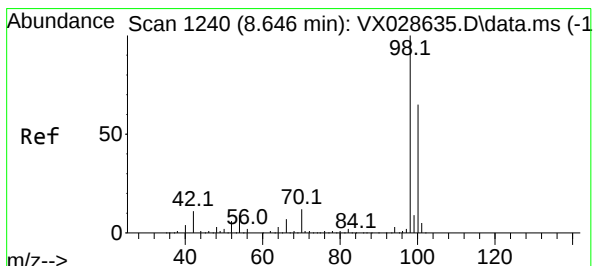
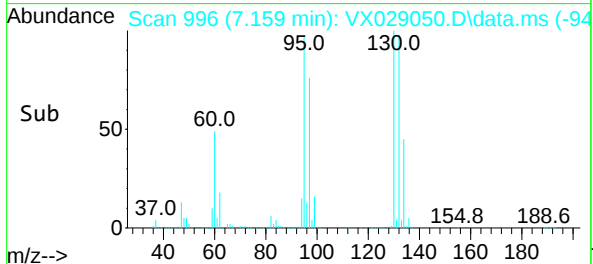
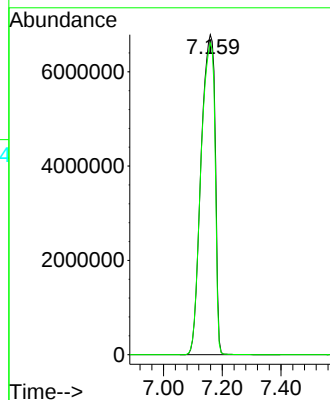
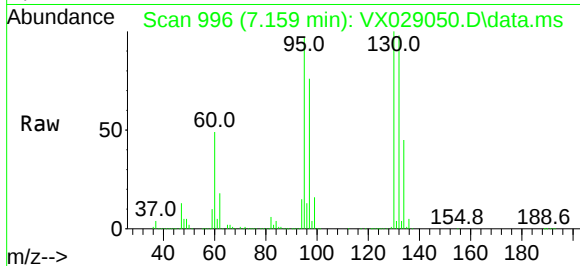




#44
Trichloroethene
Concen: 4826.558 ug/l
RT: 7.159 min Scan# 99
Delta R.T. 0.037 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

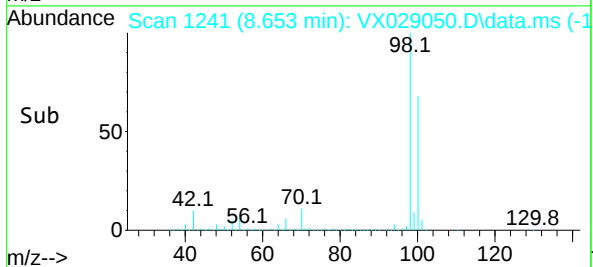
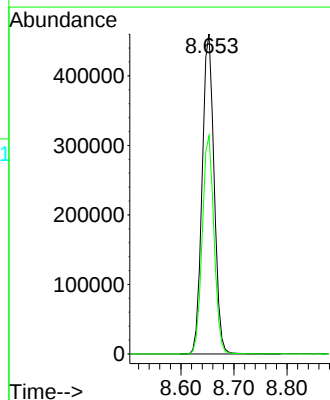
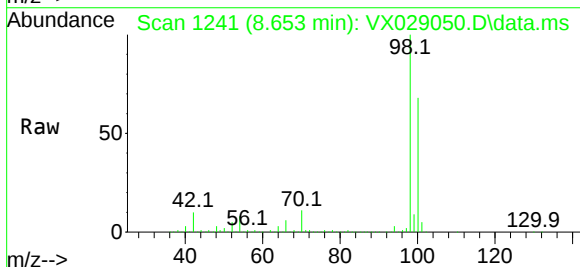
Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

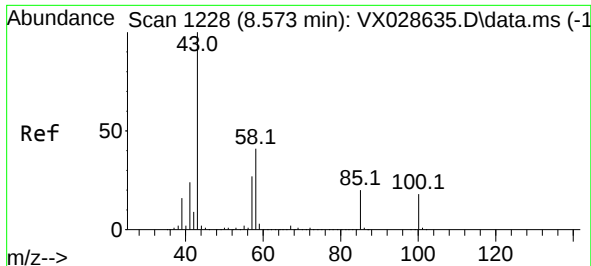
Tgt Ion:130 Resp:22517463
Ion Ratio Lower Upper
130 100
95 97.3 0.0 188.8



#50
Toluene-d8
Concen: 47.937 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 98 Resp: 720219
Ion Ratio Lower Upper
98 100
100 67.2 52.6 78.8

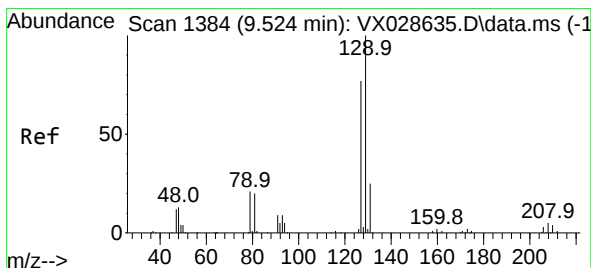
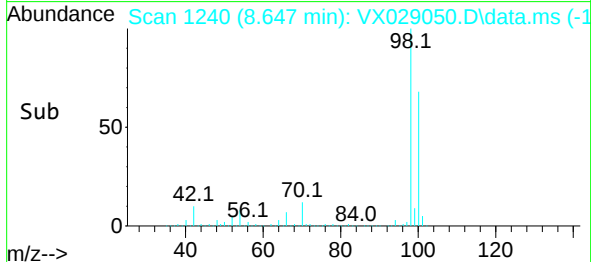
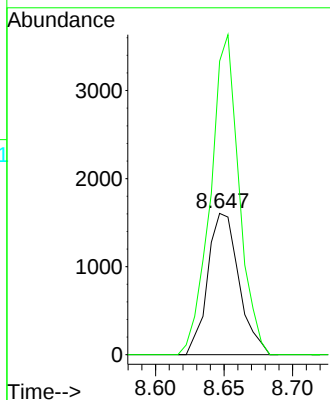
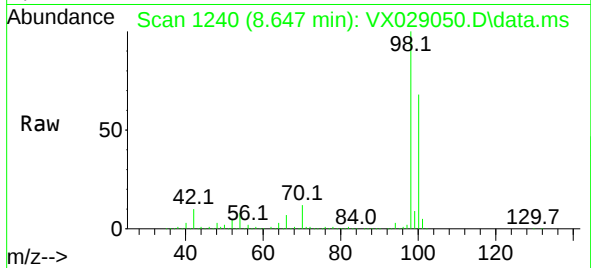




#51
4-Methyl-2-Pentanone
Concen: 0.396 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

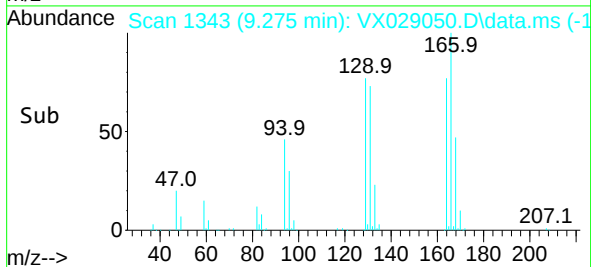
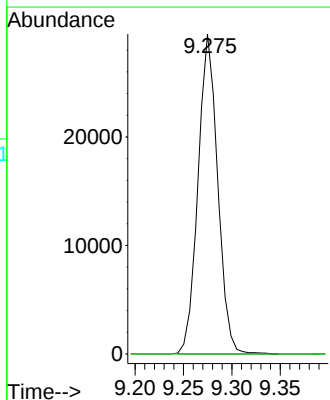
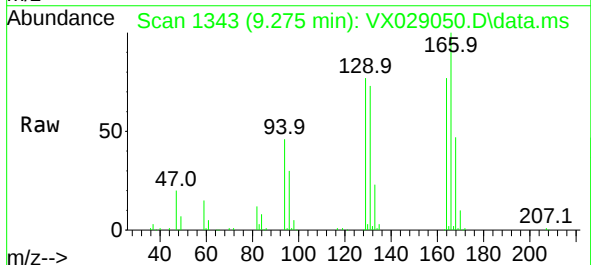
Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

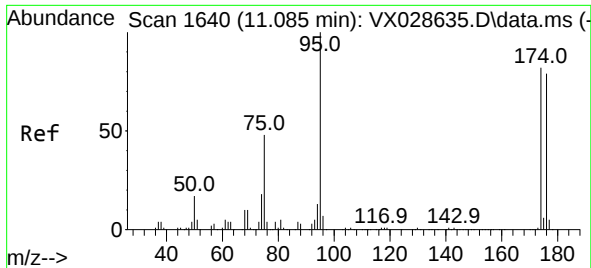
Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
58 207.3 36.1 54.1#



#60
Dibromochloromethane
Concen: 9.484 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 129 Resp: 41734
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#

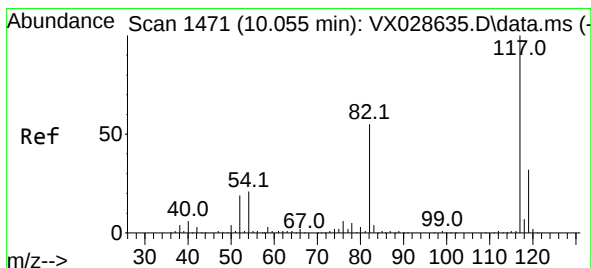
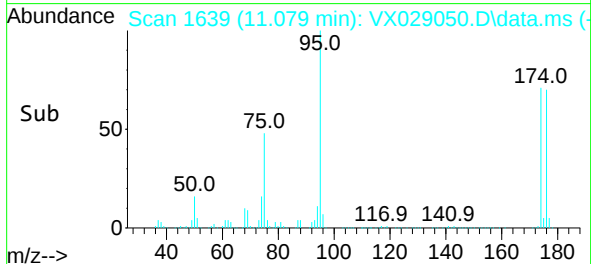
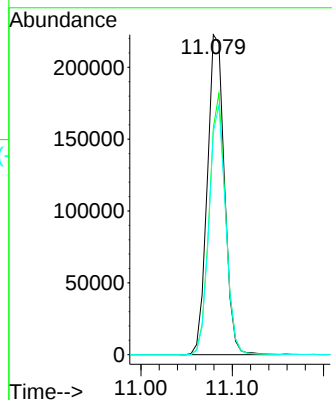
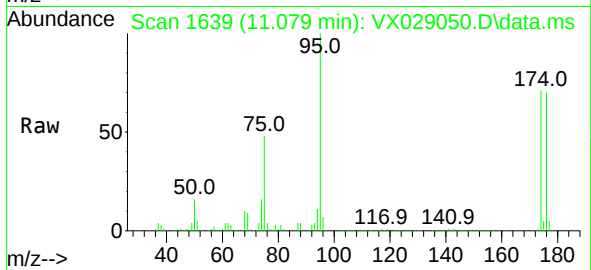




#62
4-Bromofluorobenzene
Concen: 51.628 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

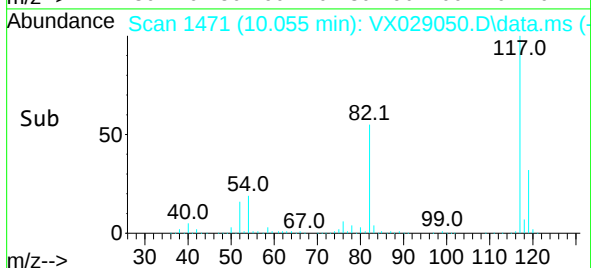
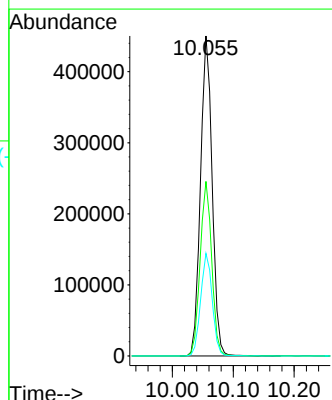
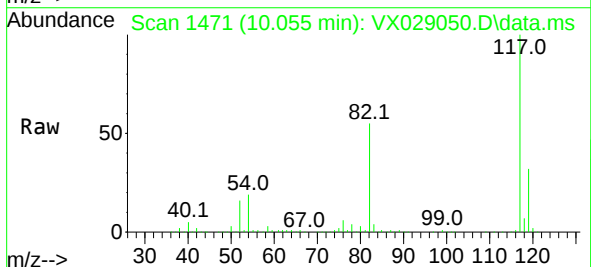
Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

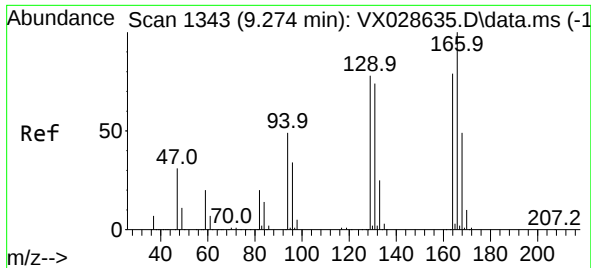
Tgt Ion: 95 Resp: 289719
Ion Ratio Lower Upper
95 100
174 78.0 0.0 163.0
176 75.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 117 Resp: 598502
Ion Ratio Lower Upper
117 100
82 54.6 41.8 62.8
119 32.0 24.8 37.2



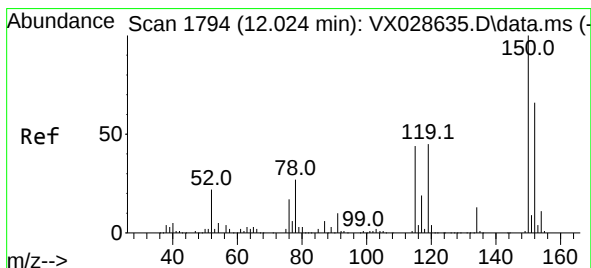
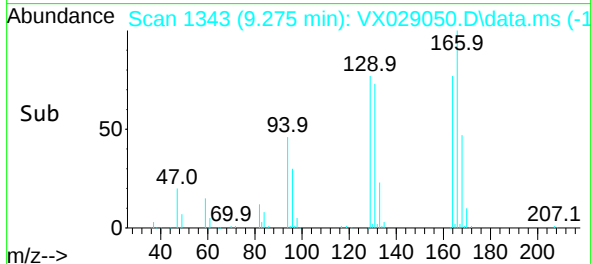
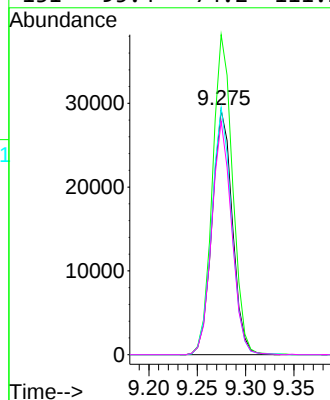
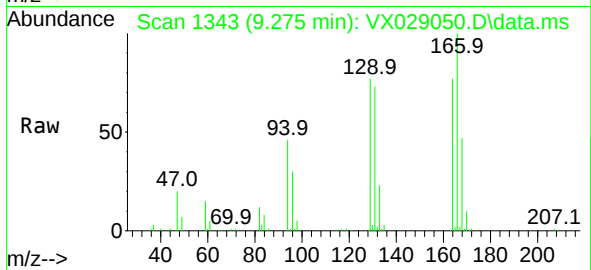


#64
Tetrachloroethene
Concen: 9.409 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

Tgt Ion:164 Resp: 42524

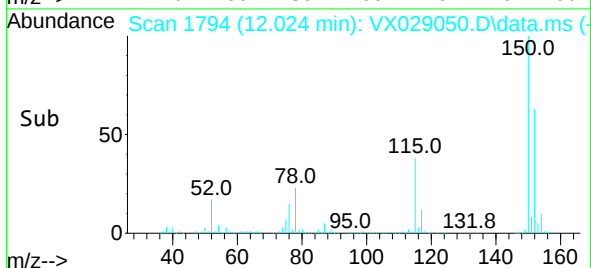
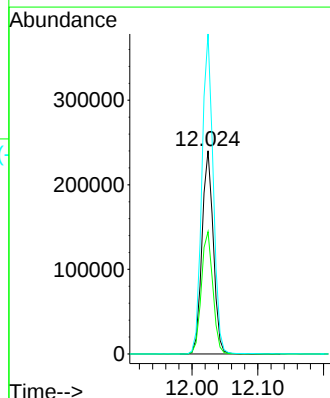
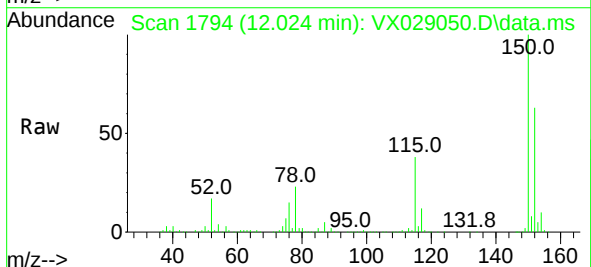
Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.2	151.8
129	100.9	73.0	109.4
131	95.4	74.2	111.2

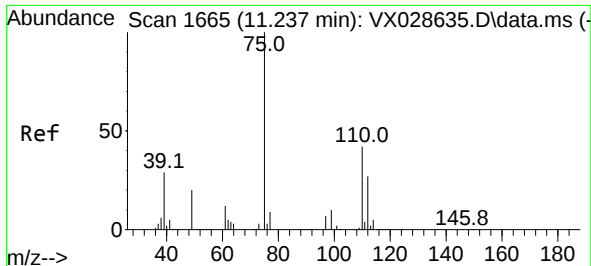


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion:152 Resp: 287999

Ion	Ratio	Lower	Upper
152	100		
115	61.0	37.5	112.7
150	156.9	0.0	338.2

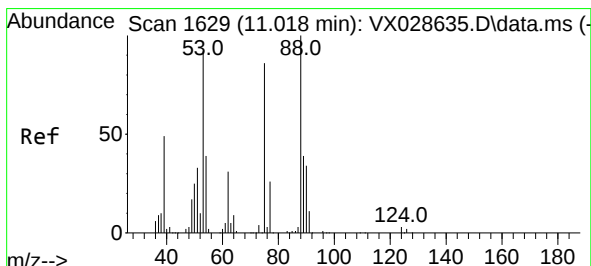
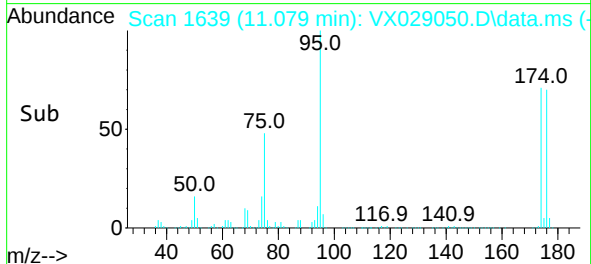
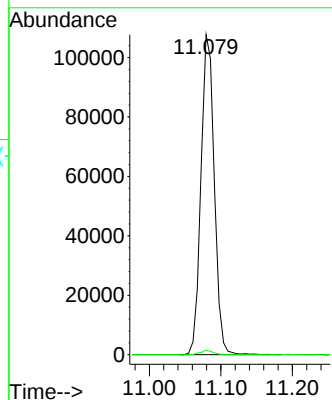
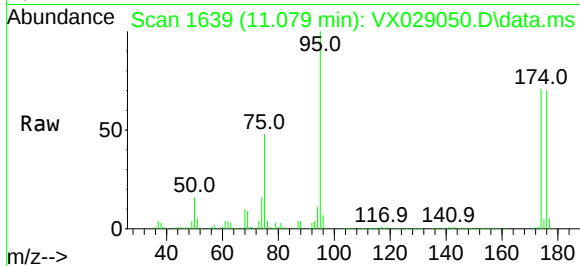




#76
1,2,3-Trichloropropane
Concen: 20.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Instrument :
MSVOA_X
ClientSampleId :
56BR-20220525

Tgt Ion: 75 Resp: 139385
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.750 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029050.D
Acq: 28 May 2022 02:29

Tgt Ion: 75 Resp: 139385
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

