

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072622\
 Data File : VX030218.D
 Acq On : 26 Jul 2022 18:24
 Operator : JC/MD
 Sample : N3876-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-07-84

Quant Time: Jul 26 19:07:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

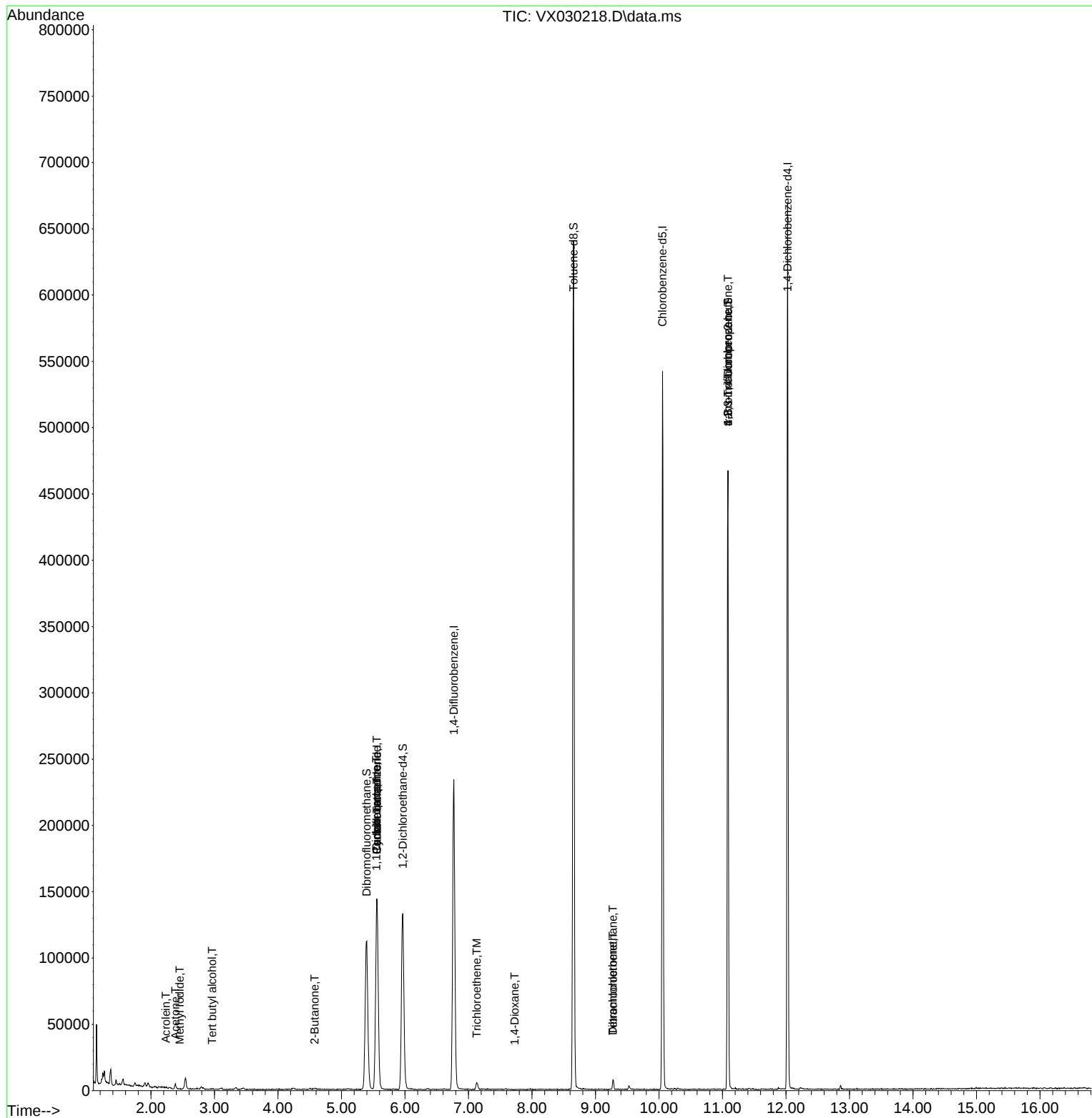
Internal Standards						
1) Pentafluorobenzene	5.556	168	134485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236392	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	128621	47.583	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.160%
35) Dibromofluoromethane	5.397	113	99515	44.037	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.080%
50) Toluene-d8	8.653	98	372955	42.617	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	85.240%#
62) 4-Bromofluorobenzene	11.086	95	127240	39.177	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	78.360%#
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	312	Below Cal	#	42
10) Methyl Iodide	2.453	142	180	1.608	ug/l #	58
11) Tert butyl alcohol	2.965	59	468	0.710	ug/l #	74
13) Acrolein	2.233	56	141	0.870	ug/l #	55
16) Acetone	2.386	43	4124	2.980	ug/l #	88
20) Methylene Chloride	2.794	84	763	Below Cal	#	92
25) 2-Butanone	4.574	43	727	0.313	ug/l #	88
31) Cyclohexane	5.556	56	3184	0.811	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11164	3.433	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13411	4.417	ug/l #	19
44) Trichloroethene	7.129	130	2211	0.791	ug/l	95
49) 1,4-Dioxane	7.726	88	55	0.717	ug/l #	1
60) Dibromochloromethane	9.275	129	1444	0.587	ug/l #	11
64) Tetrachloroethene	9.275	164	1439	0.566	ug/l #	73
67) Ethyl Benzene	10.201	91	217	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.086	75	64750	18.764	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	64750	56.290	ug/l #	12

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

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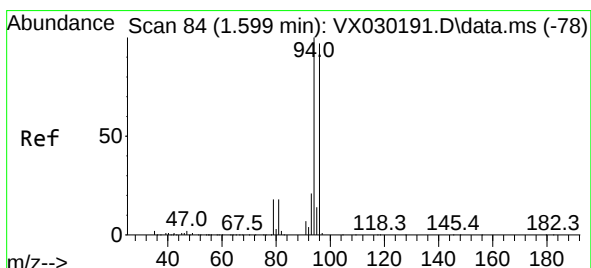
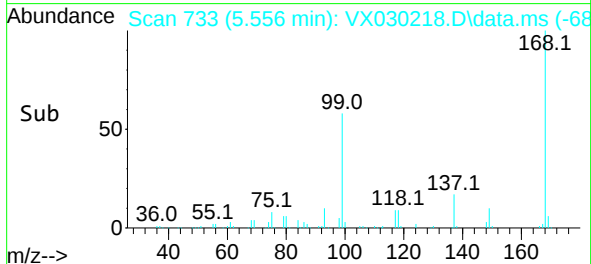
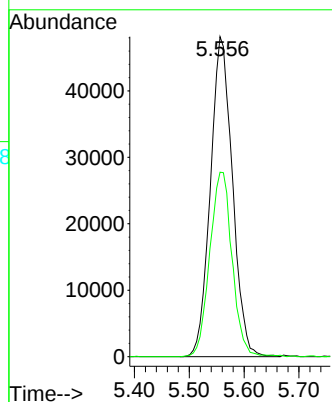
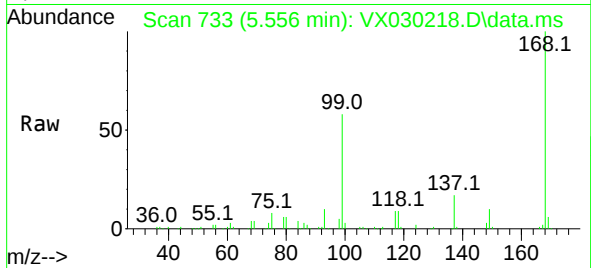




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

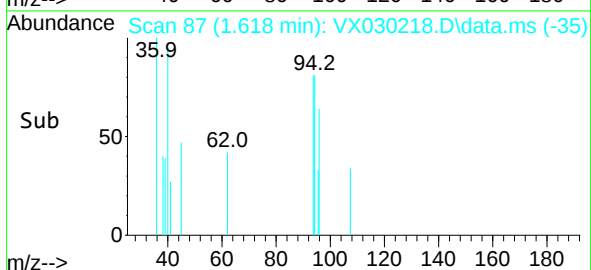
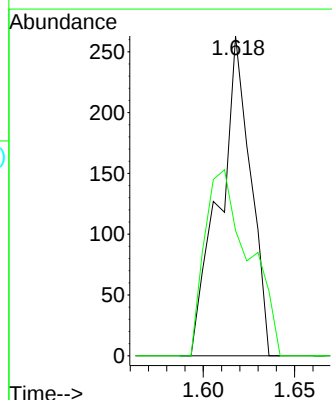
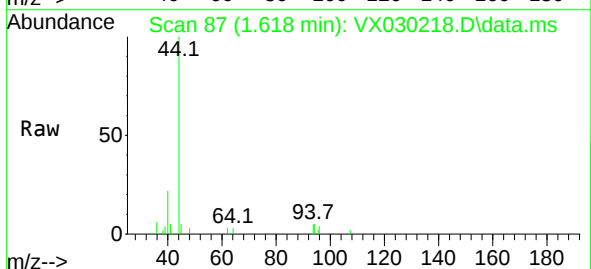
Instrument :
MSVOA_X
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SPC-07-84

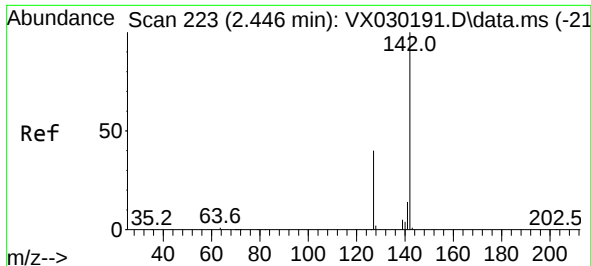
Tgt Ion:168 Resp: 134485
Ion Ratio Lower Upper
168 100
99 57.7 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 39.2 76.9 115.3#

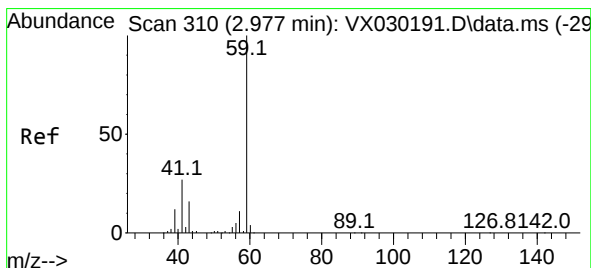
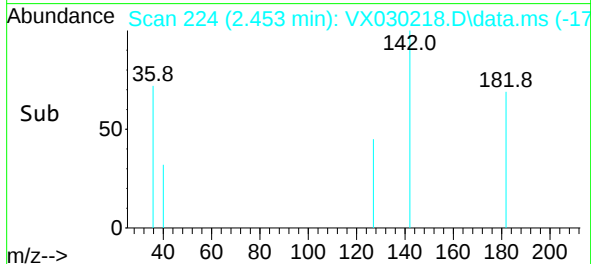
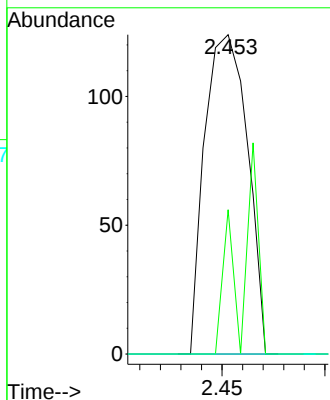
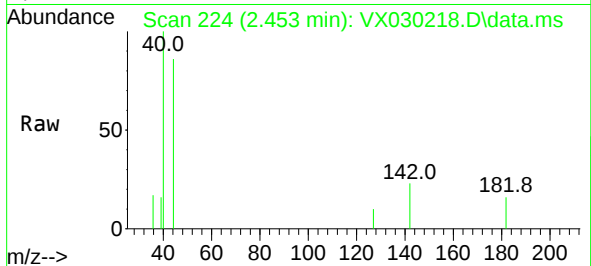




#10
Methyl Iodide
Concen: 1.608 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

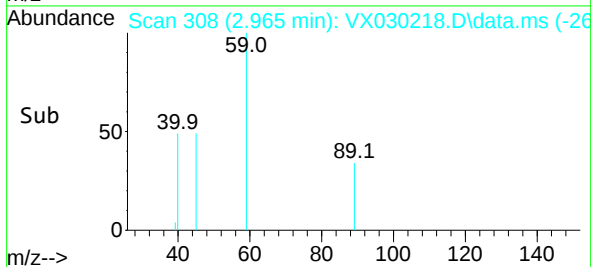
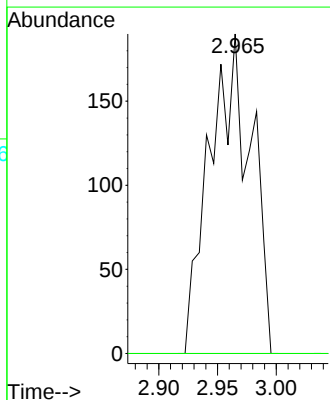
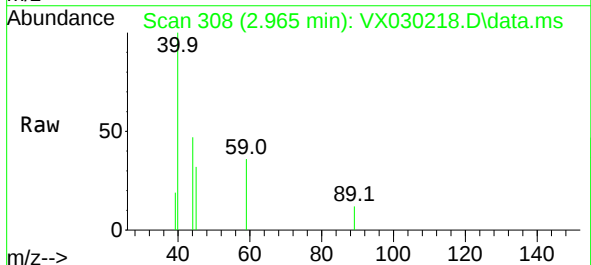
Instrument :
MSVOA_X
ClientSampleId :
SPC-07-84

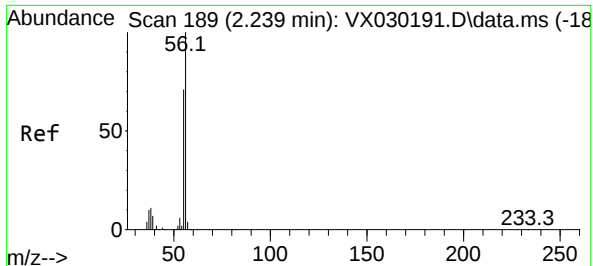
Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 11.1 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.710 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

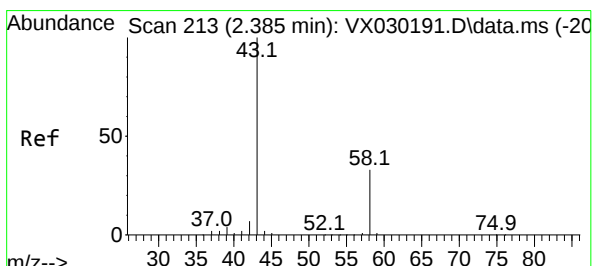
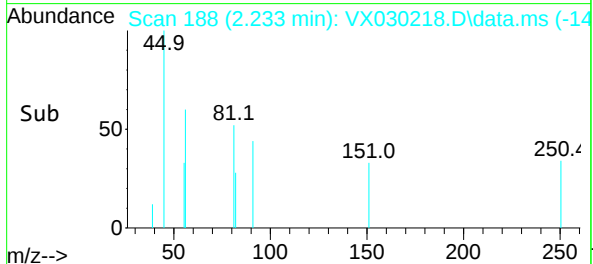
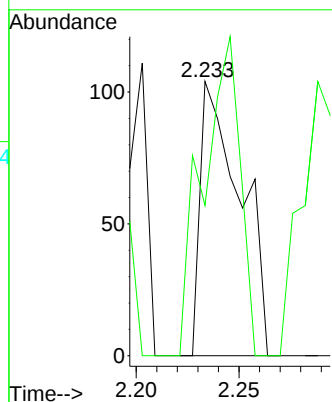
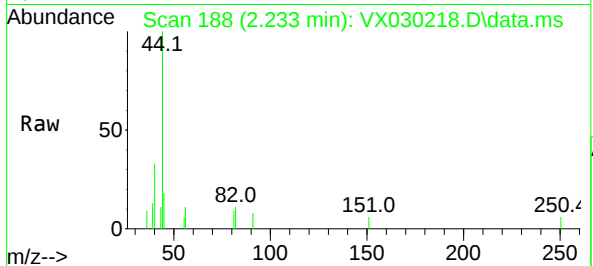




#13
Acrolein
Concen: 0.870 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

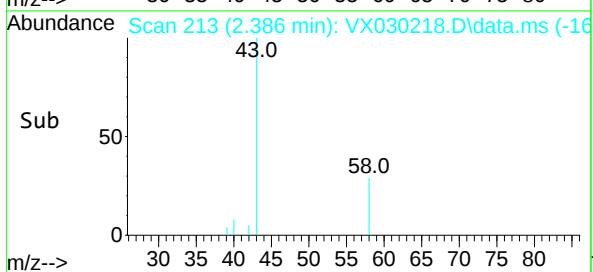
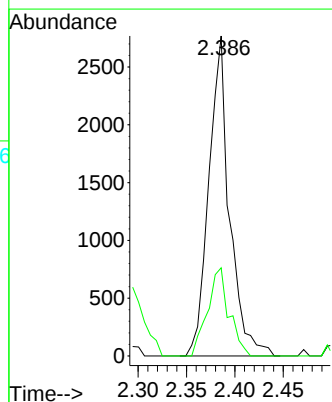
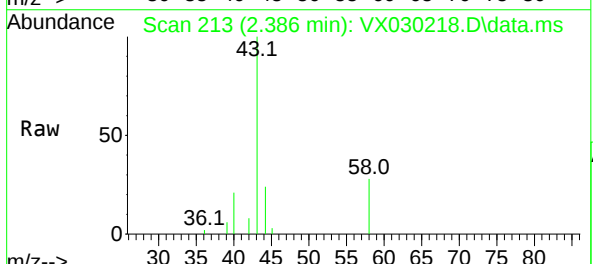
Instrument :
MSVOA_X
ClientSampleId :
SPC-07-84

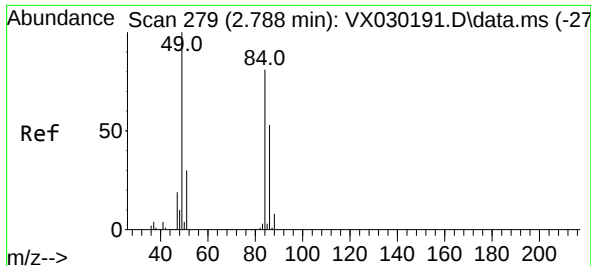
Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 107.8 56.6 84.8#



#16
Acetone
Concen: 2.980 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion: 43 Resp: 4124
Ion Ratio Lower Upper
43 100
58 27.6 27.7 41.5#

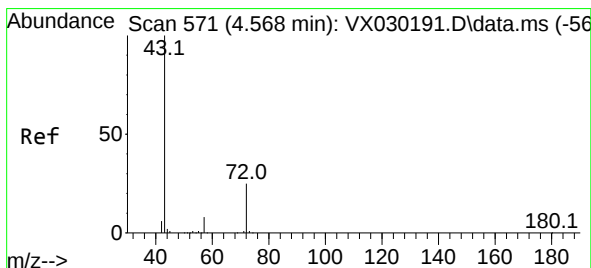
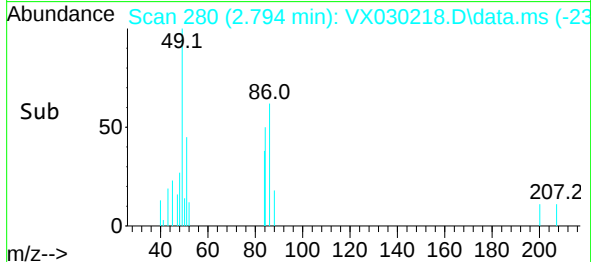
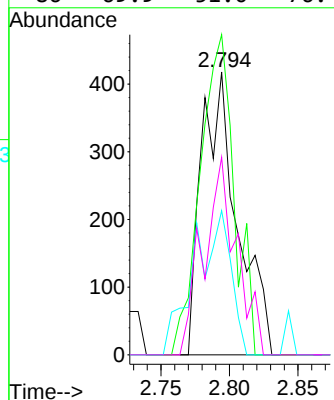
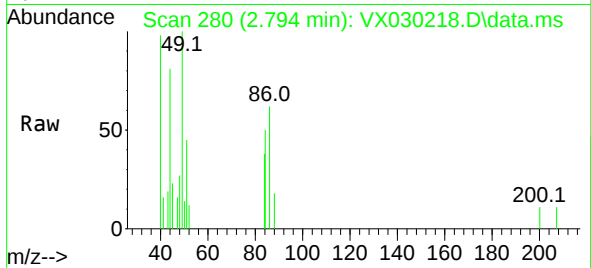




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

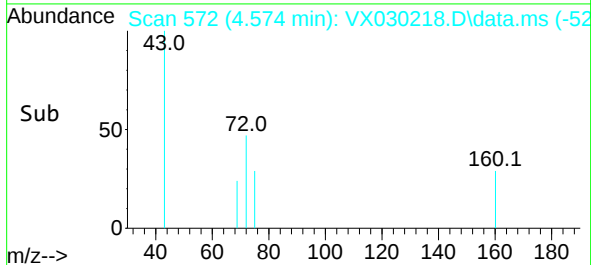
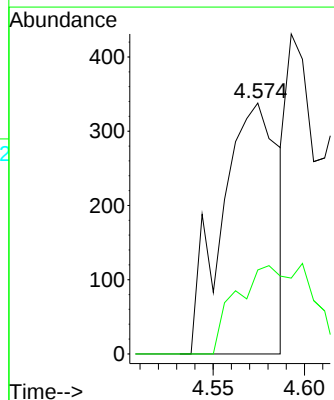
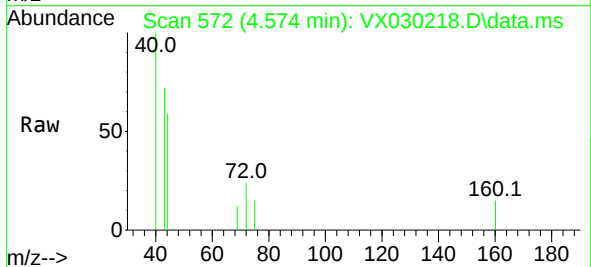
Instrument :
MSVOA_X
ClientSampleId :
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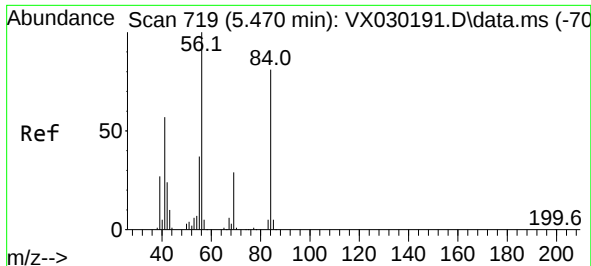
Tgt Ion:	84	Resp:	763
Ion	Ratio	Lower	Upper
84	100		
49	113.2	93.8	140.6
51	51.0	29.4	44.0#
86	69.9	51.0	76.4



#25
2-Butanone
Concen: 0.313 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion:	43	Resp:	727
Ion	Ratio	Lower	Upper
43	100		
72	33.4	21.7	32.5#

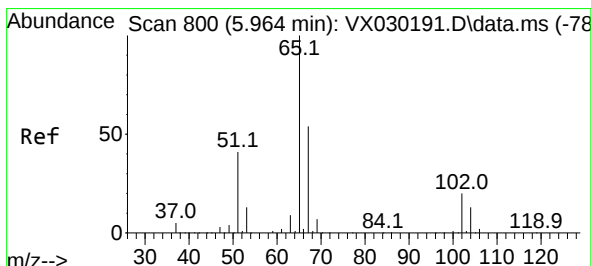
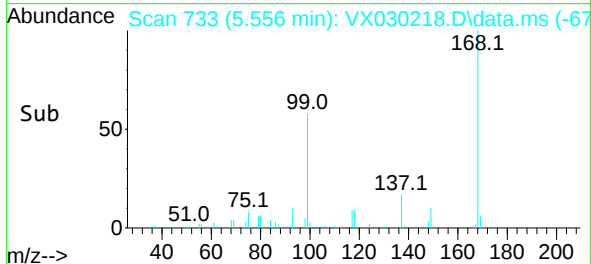
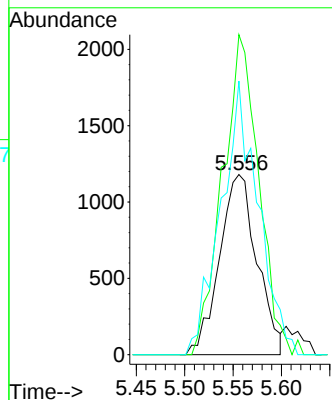
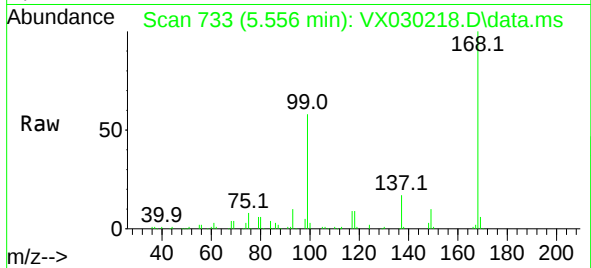




#31
Cyclohexane
Concen: 0.811 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

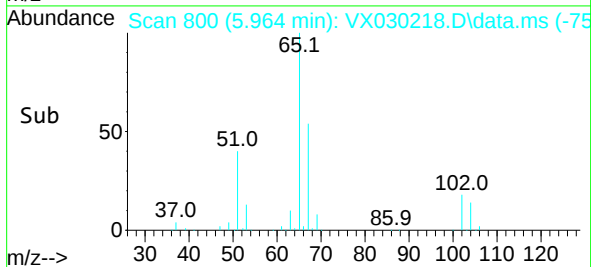
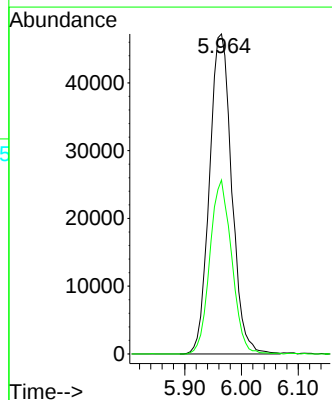
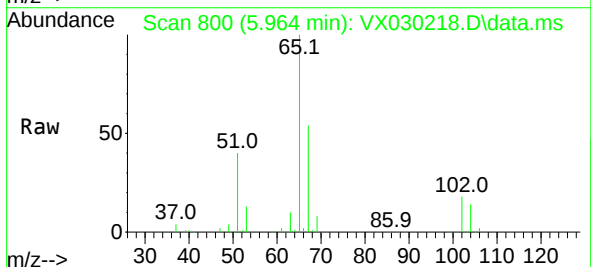
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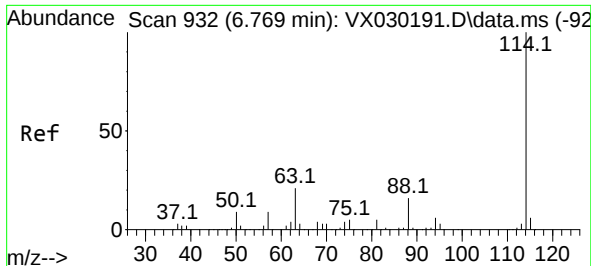
Tgt Ion: 56 Resp: 3184
Ion Ratio Lower Upper
56 100
69 177.6 25.4 38.0#
84 163.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 47.583 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion: 65 Resp: 128621
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.6

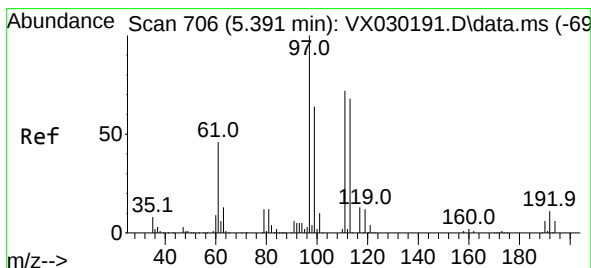
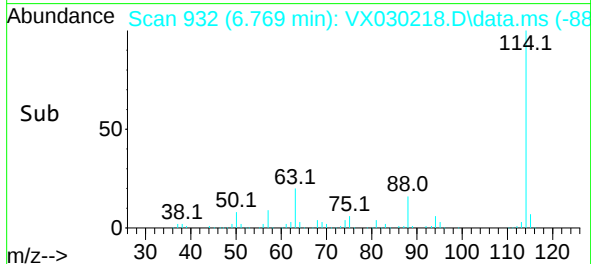
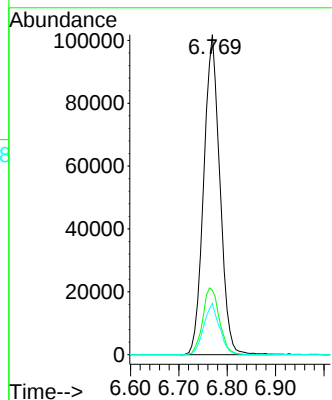
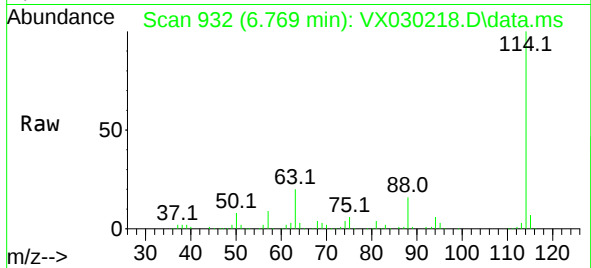




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

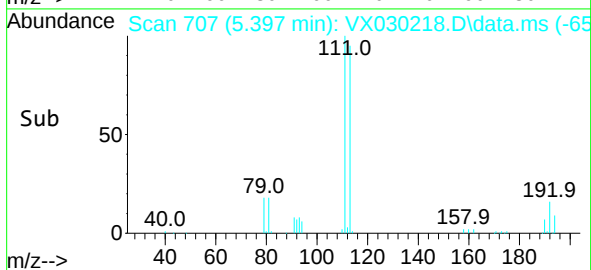
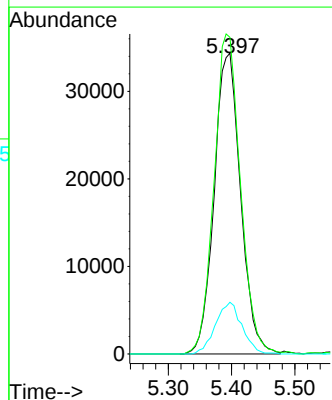
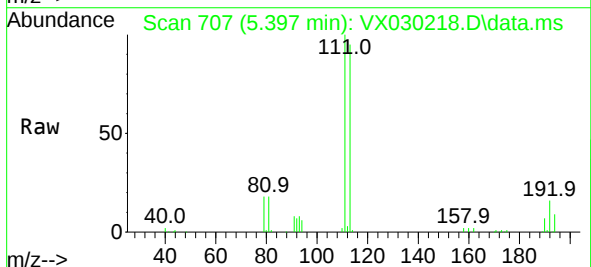
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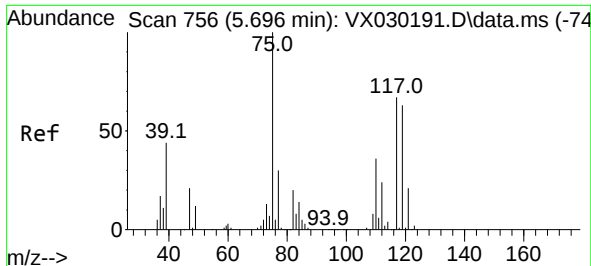
Tgt Ion:114 Resp: 236392
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.4
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 44.037 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion:113 Resp: 99515
Ion Ratio Lower Upper
113 100
111 106.4 83.2 124.8
192 17.3 14.8 22.2

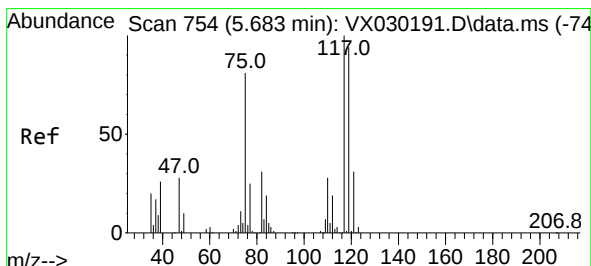
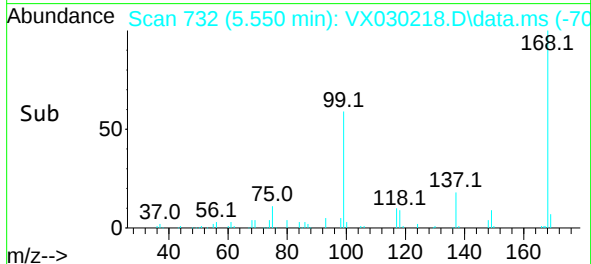
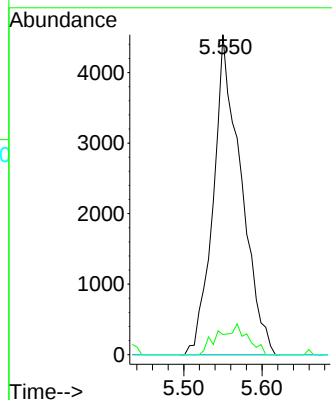
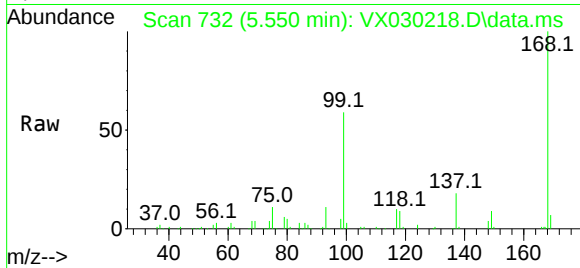




#36
1,1-Dichloropropene
Concen: 3.433 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

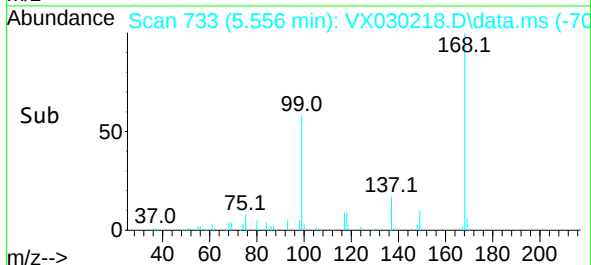
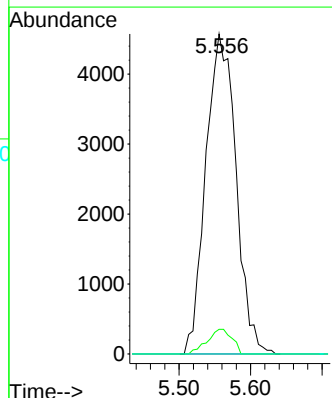
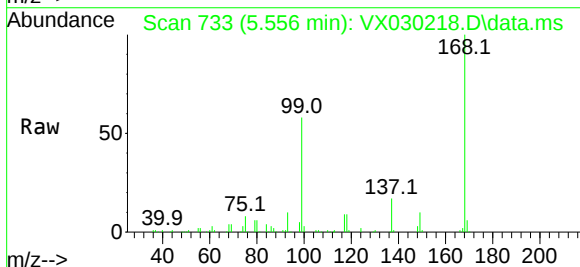
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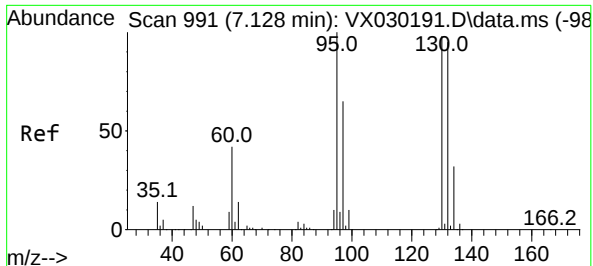
Tgt Ion: 75 Resp: 11164
Ion Ratio Lower Upper
75 100
110 10.1 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.417 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.127 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion: 117 Resp: 13411
Ion Ratio Lower Upper
117 100
119 7.7 74.1 111.1#
121 0.0 25.8 38.8#

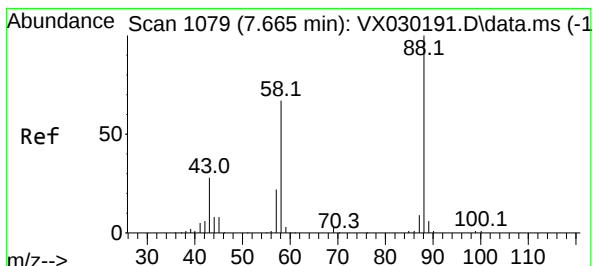
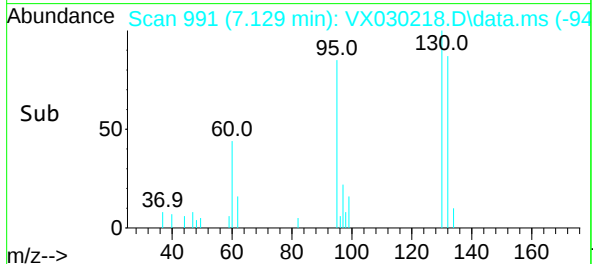
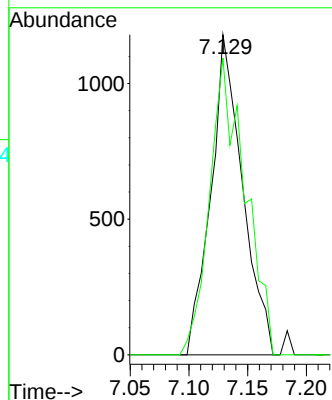
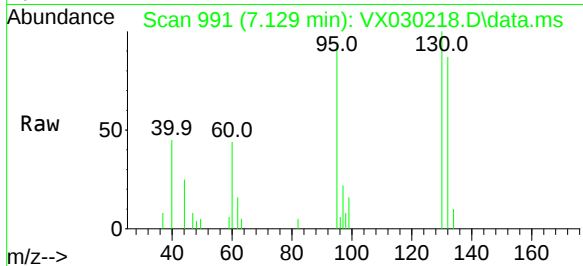




#44
Trichloroethene
Concen: 0.791 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.001 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

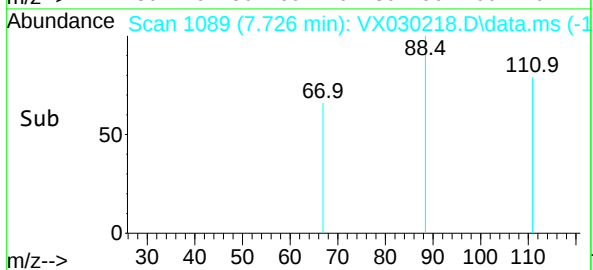
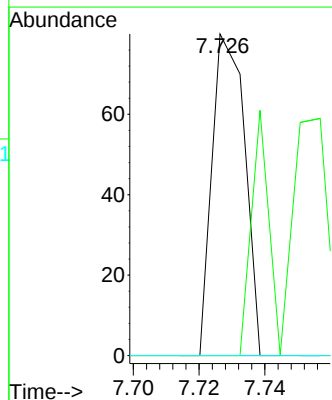
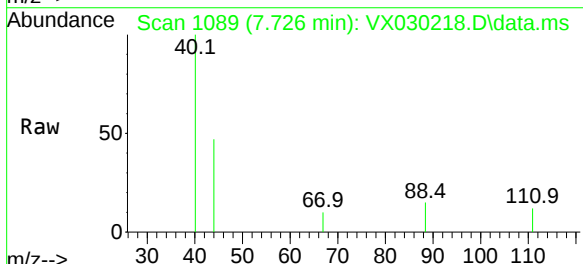
Instrument :
MSVOA_X
ClientSampleId :
SPC-07-84

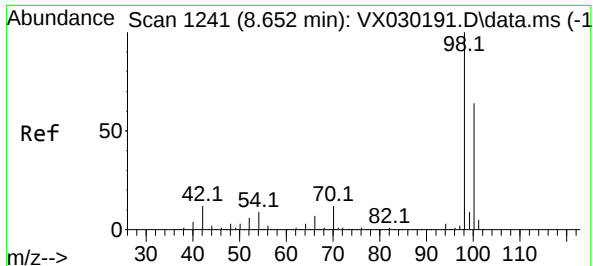
Tgt Ion:130 Resp: 2211
Ion Ratio Lower Upper
130 100
95 92.7 0.0 194.8



#49
1,4-Dioxane
Concen: 0.717 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.061 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 118.2 23.8 35.8#
58 0.0 53.8 80.6#

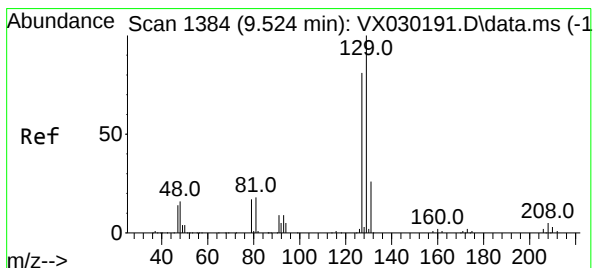
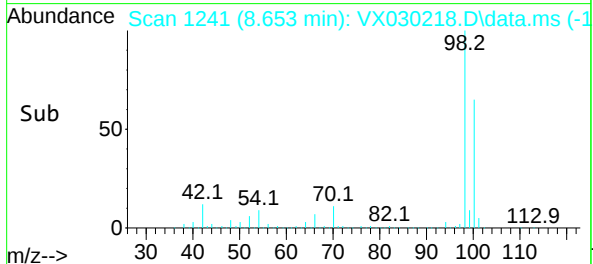
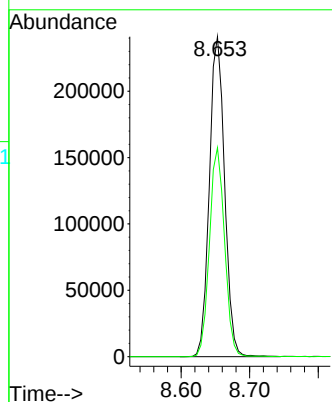
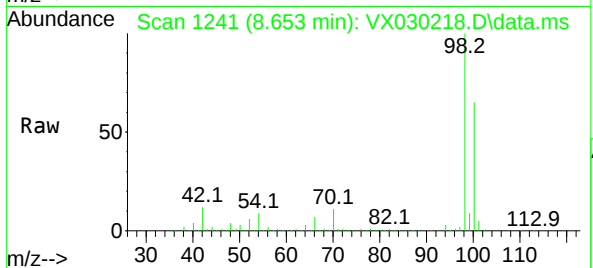




#50
Toluene-d8
Concen: 42.617 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

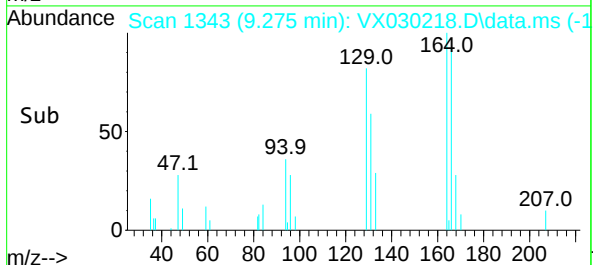
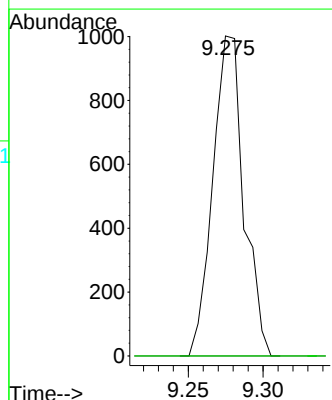
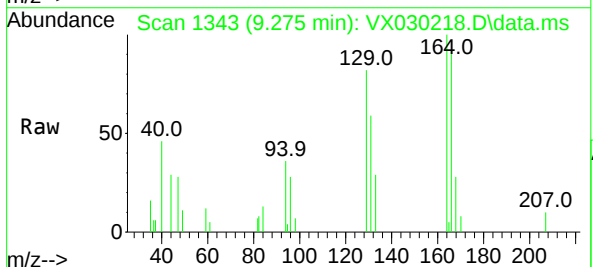
Instrument :
MSVOA_X
ClientSampleId :
SPC-07-84

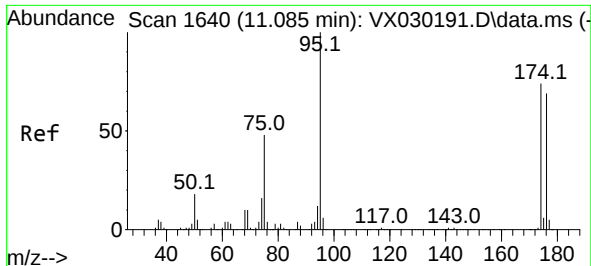
Tgt Ion: 98 Resp: 372955
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#60
Dibromochloromethane
Concen: 0.587 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion: 129 Resp: 1444
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

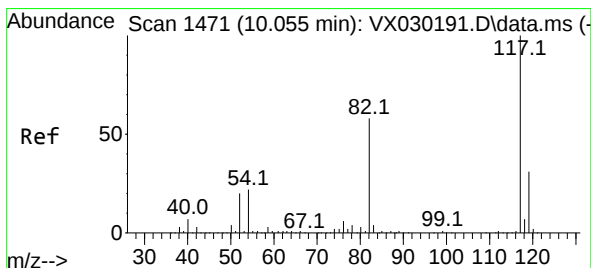
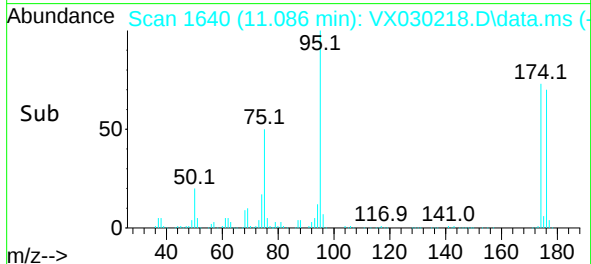
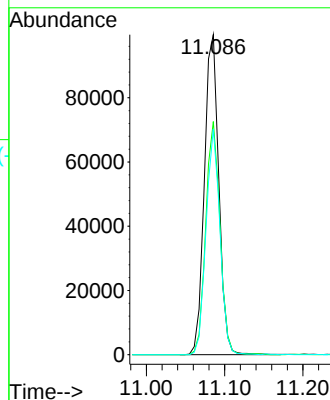
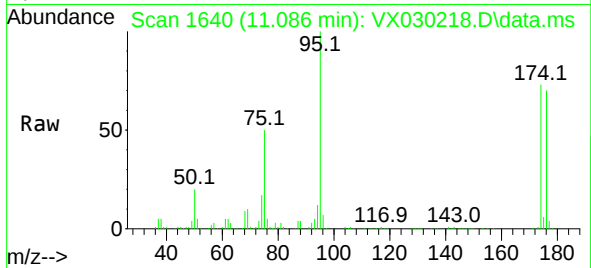




#62
4-Bromofluorobenzene
Concen: 39.177 ug/l
RT: 11.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

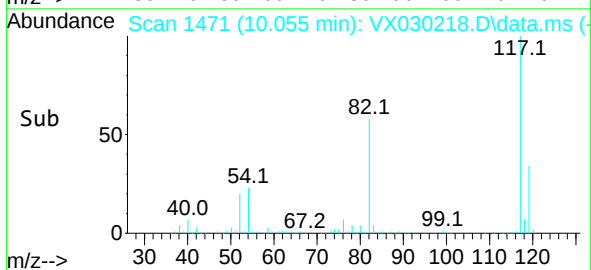
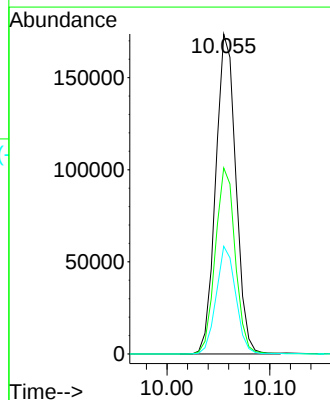
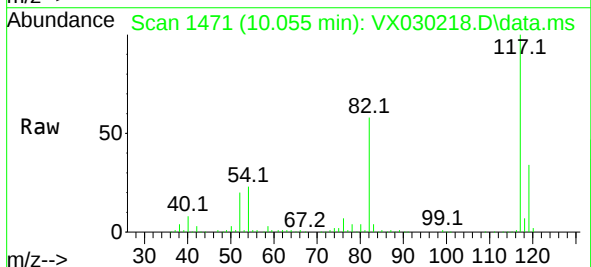
Instrument :
MSVOA_X
ClientSampleId :
SPC-07-84

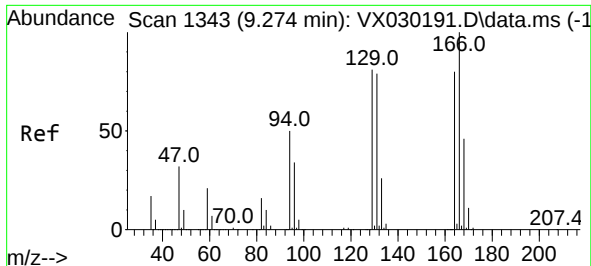
Tgt Ion: 95 Resp: 127240
Ion Ratio Lower Upper
95 100
174 71.9 0.0 149.0
176 67.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion: 117 Resp: 236069
Ion Ratio Lower Upper
117 100
82 58.2 42.7 64.1
119 33.6 25.4 38.2

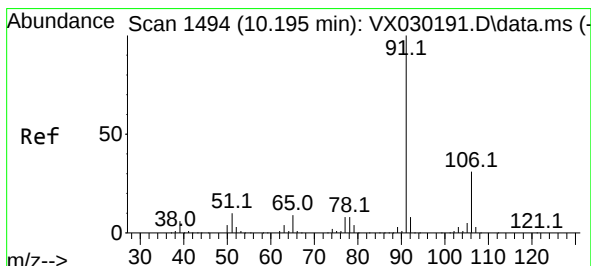
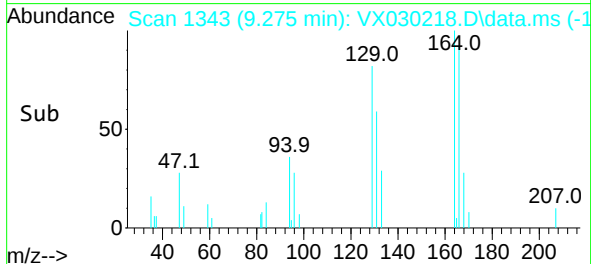
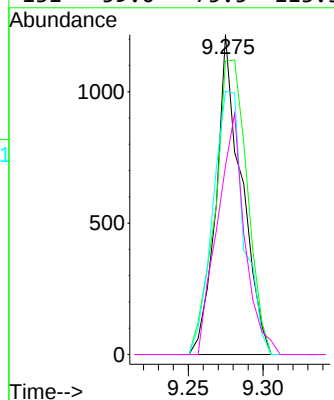
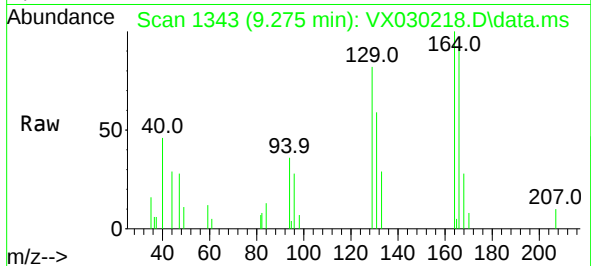




#64
Tetrachloroethene
Concen: 0.566 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

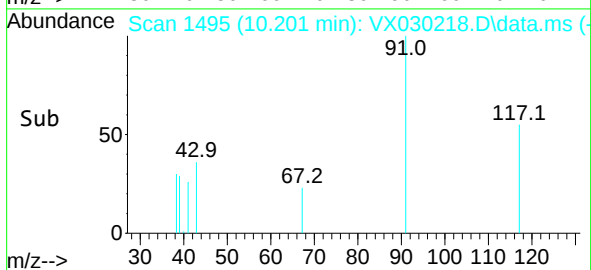
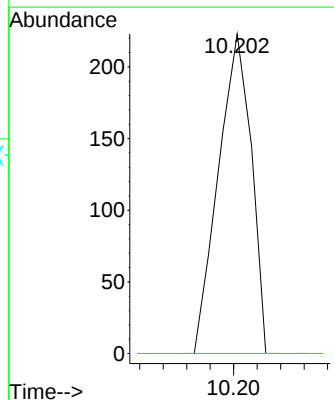
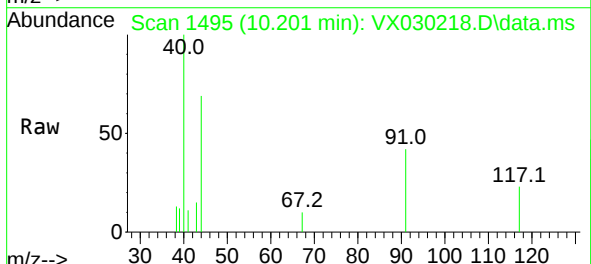
Instrument :
MSVOA_X
ClientSampleId :
SPC-07-84

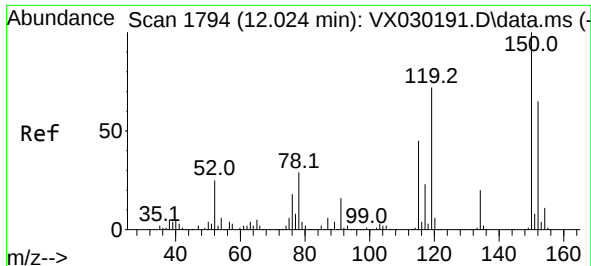
Tgt Ion:	164	Resp:	1439
Ion	Ratio	Lower	Upper
164	100		
166	91.8	98.2	147.4#
129	82.3	80.8	121.2
131	59.0	75.5	113.3#



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030218.D
Acq: 26 Jul 2022 18:24

Tgt Ion:	91	Resp:	217
Ion	Ratio	Lower	Upper
91	100		
106	0.0	25.5	38.3#

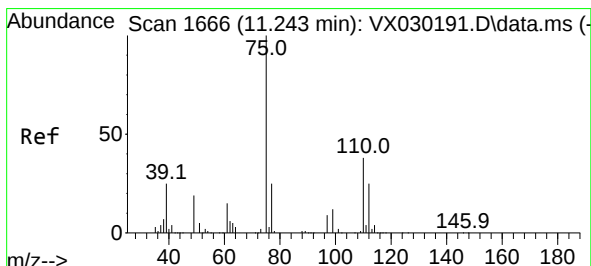
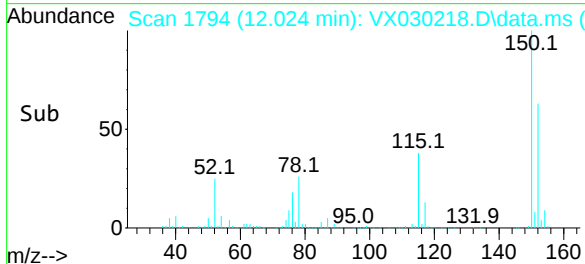
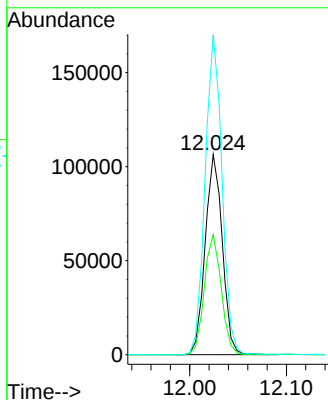
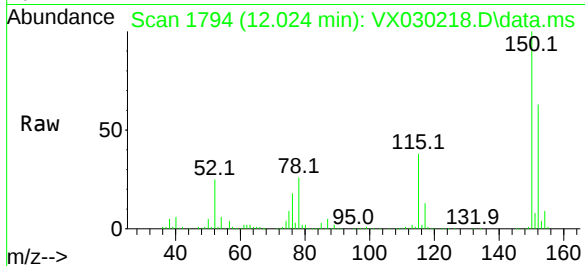




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030218.D
 Acq: 26 Jul 2022 18:24

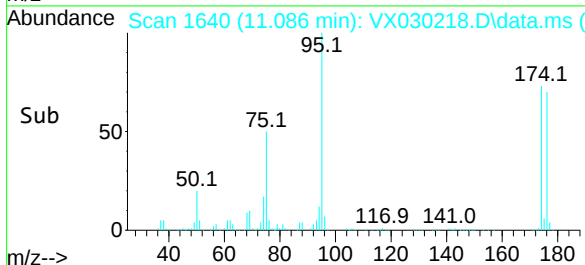
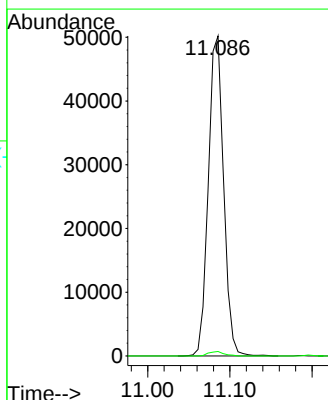
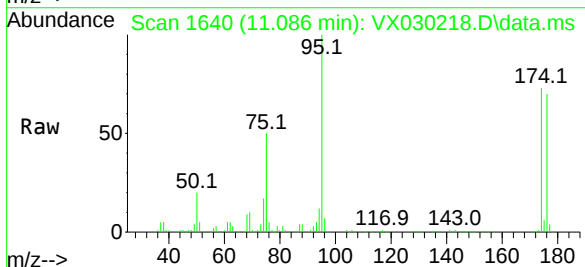
Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-07-84

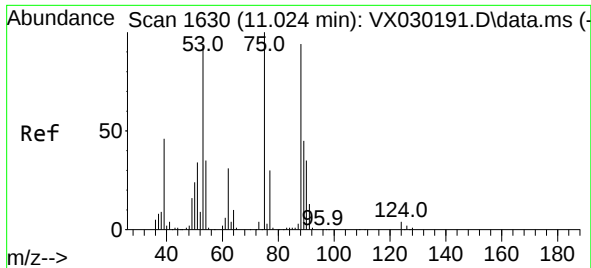
Tgt Ion:152 Resp: 130913
 Ion Ratio Lower Upper
 152 100
 115 59.3 40.5 121.5
 150 157.6 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 18.764 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030218.D
 Acq: 26 Jul 2022 18:24

Tgt Ion: 75 Resp: 64750
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.290 ug/l
 RT: 11.086 min Scan# 1
 Delta R.T. 0.062 min
 Lab File: VX030218.D
 Acq: 26 Jul 2022 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-07-84

Tgt Ion: 75 Resp: 64750
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

