

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072622\
 Data File : VX030219.D
 Acq On : 26 Jul 2022 18:47
 Operator : JC/MD
 Sample : N3876-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-10-84

Quant Time: Jul 26 19:09:24 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	123357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	219589	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122110	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	122799	49.528	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.060%
35) Dibromofluoromethane	5.391	113	96294	45.873	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.740%
50) Toluene-d8	8.653	98	354474	43.604	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.200%
62) 4-Bromofluorobenzene	11.085	95	120425	39.916	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	79.840%#

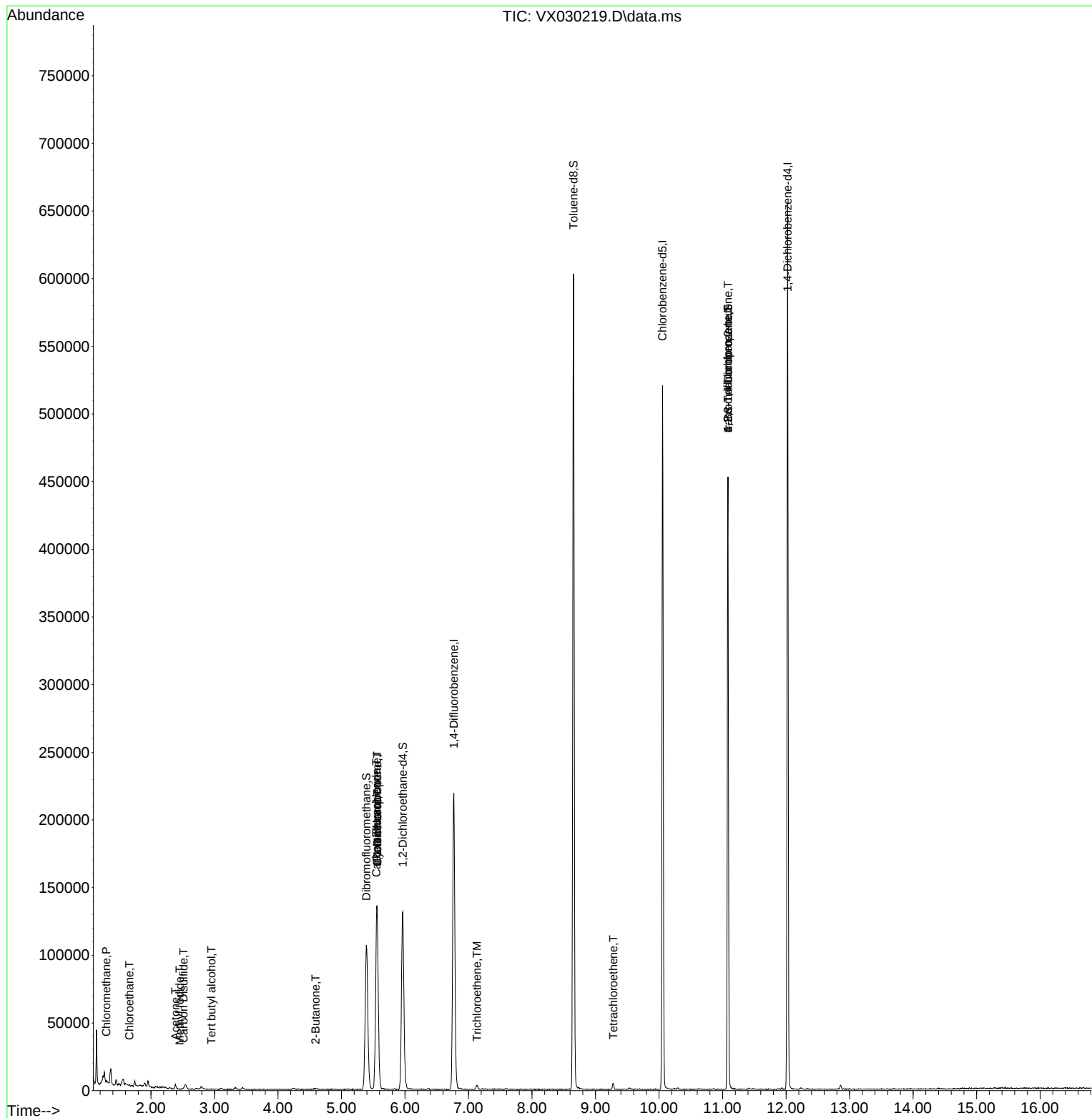
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	448	0.224	ug/l	# 73
5) Bromomethane	1.611	94	287	Below Cal		# 59
6) Chloroethane	1.660	64	260	0.224	ug/l	# 41
10) Methyl Iodide	2.453	142	237	1.645	ug/l	# 75
11) Tert butyl alcohol	2.953	59	335	0.554	ug/l	# 74
16) Acetone	2.386	43	3215	2.533	ug/l	92
17) Carbon Disulfide	2.514	76	1137	0.219	ug/l	# 74
20) Methylene Chloride	2.788	84	670	Below Cal		# 90
25) 2-Butanone	4.593	43	1428	0.669	ug/l	# 48
31) Cyclohexane	5.562	56	3202	0.889	ug/l	# 39
36) 1,1-Dichloropropene	5.562	75	10541	3.489	ug/l	# 48
38) Carbon Tetrachloride	5.550	117	13346	4.732	ug/l	# 18
44) Trichloroethene	7.135	130	1154	0.444	ug/l	86
64) Tetrachloroethene	9.281	164	997	0.407	ug/l	# 79
67) Ethyl Benzene	10.201	91	124	Below Cal		# 43
76) 1,2,3-Trichloropropane	11.085	75	62931	19.551	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	62931	58.653	ug/l	# 13

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

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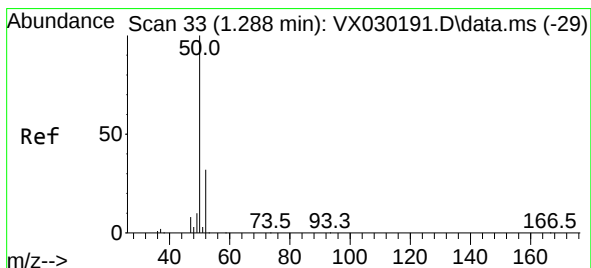
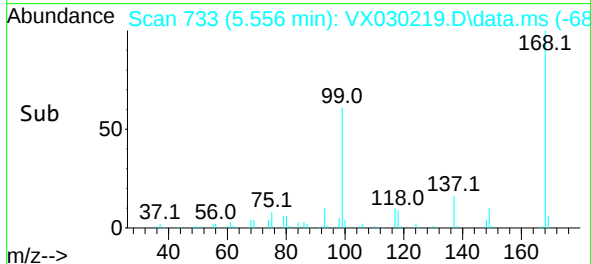
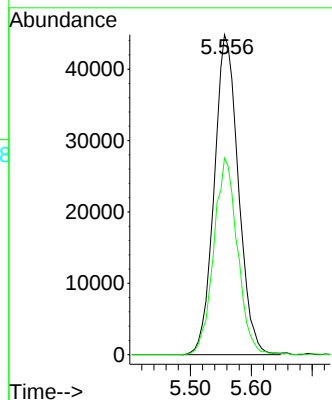
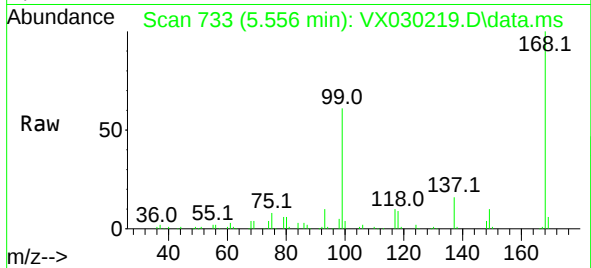




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

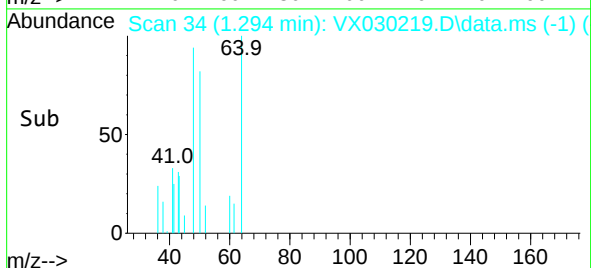
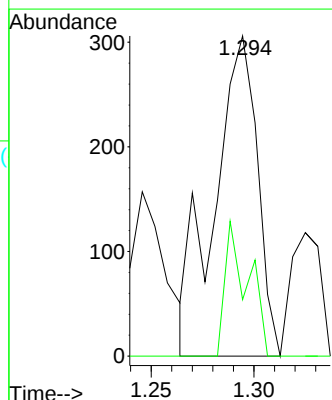
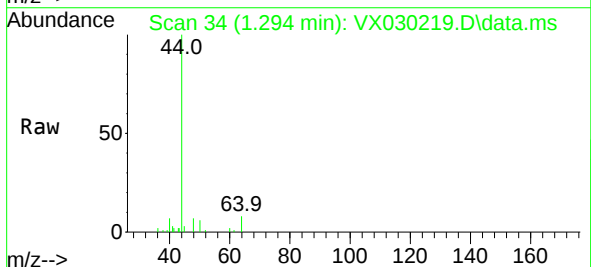
Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

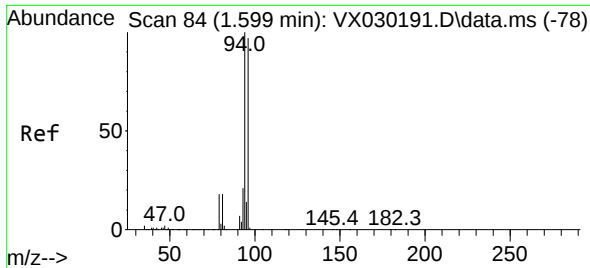
Tgt Ion:168 Resp: 123357
Ion Ratio Lower Upper
168 100
99 61.4 44.0 66.0



#3
Chloromethane
Concen: 0.224 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 50 Resp: 448
Ion Ratio Lower Upper
50 100
52 17.6 26.3 39.5

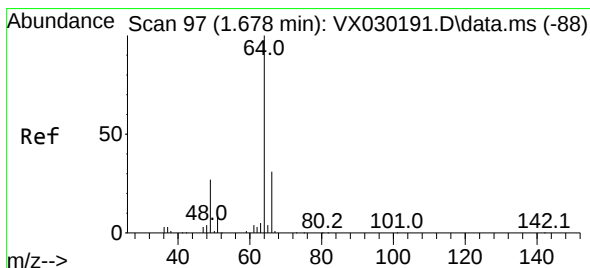
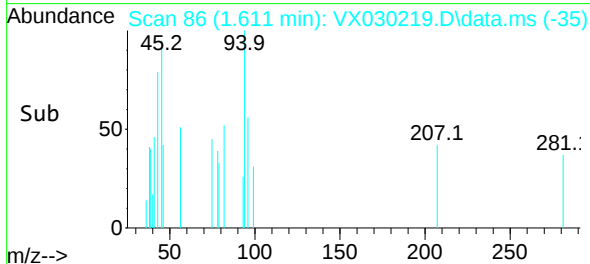
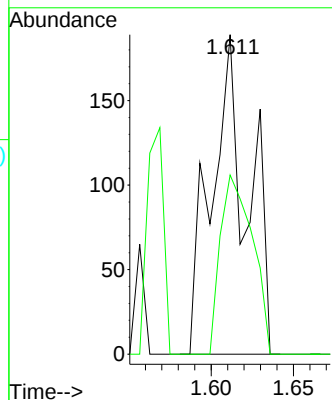
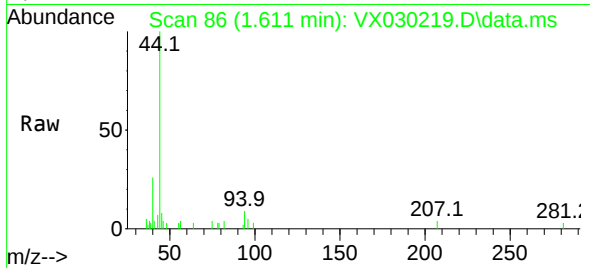




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 84
Delta R.T. 0.012 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

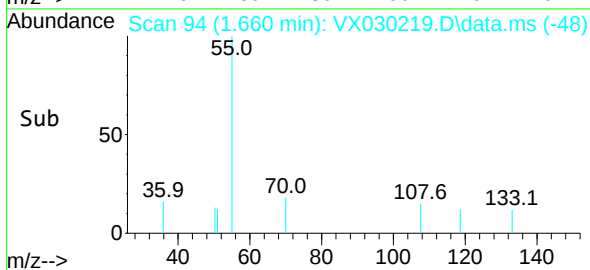
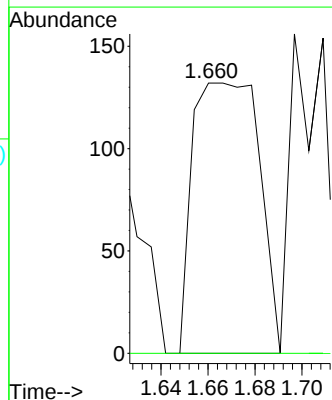
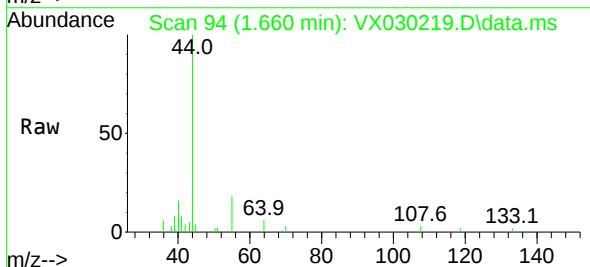
Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

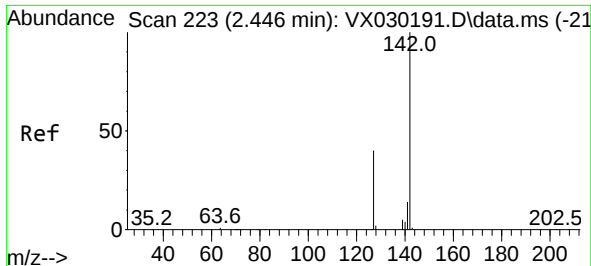
Tgt Ion: 94 Resp: 287
Ion Ratio Lower Upper
94 100
96 56.1 76.9 115.3#



#6
Chloroethane
Concen: 0.224 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 64 Resp: 260
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

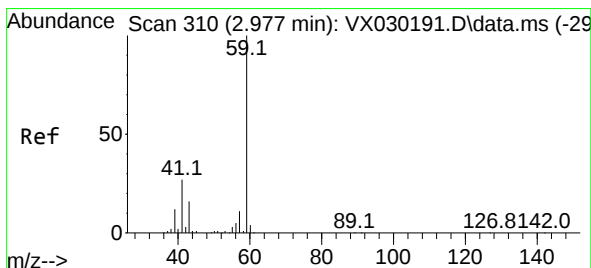
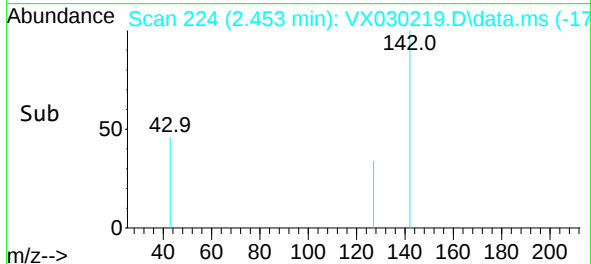
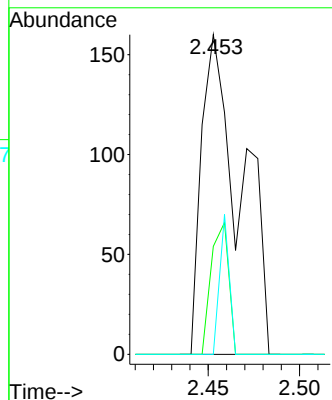
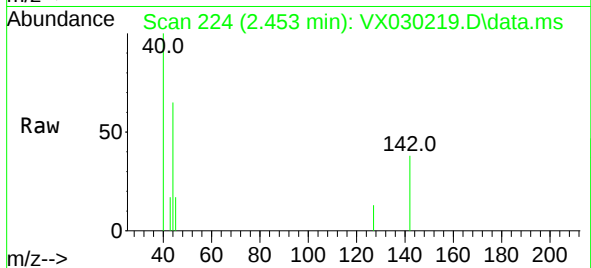




#10
Methyl Iodide
Concen: 1.645 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

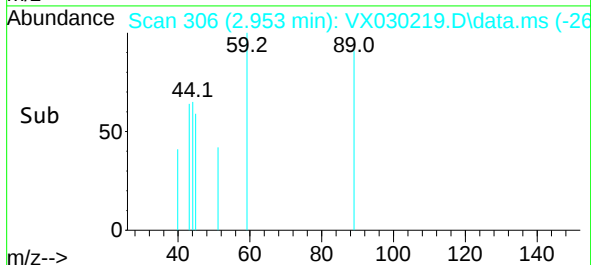
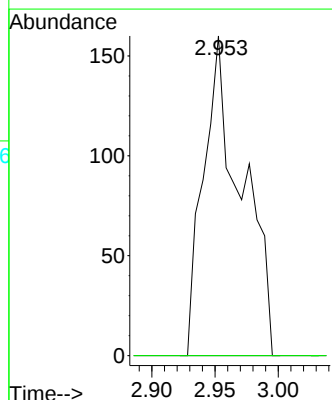
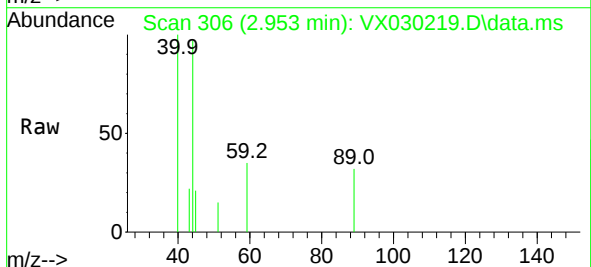
Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

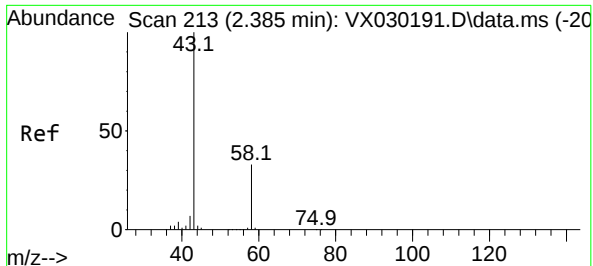
Tgt Ion:142 Resp: 237
Ion Ratio Lower Upper
142 100
127 18.6 30.2 45.2#
141 11.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.554 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 59 Resp: 335
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

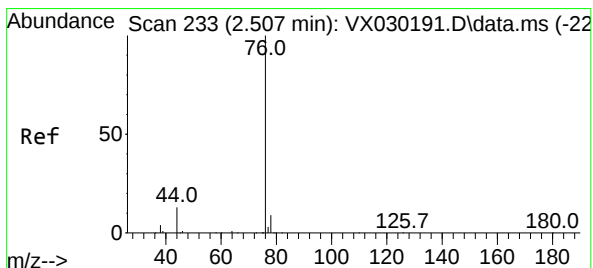
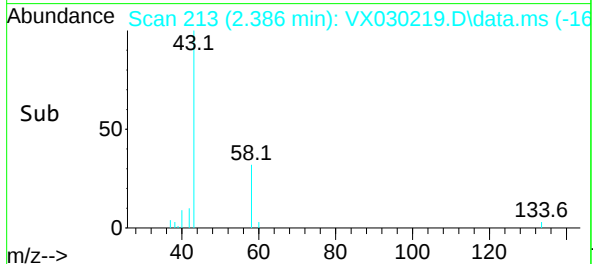
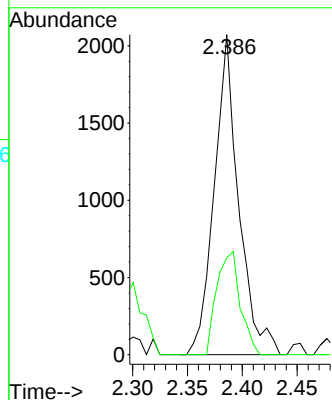
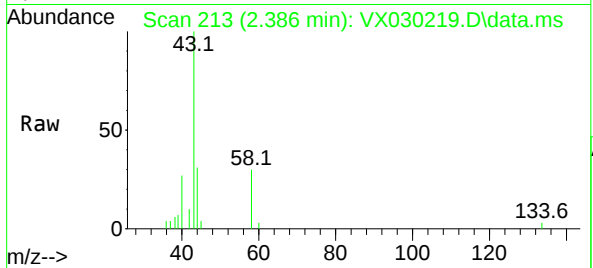




#16
Acetone
Concen: 2.533 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

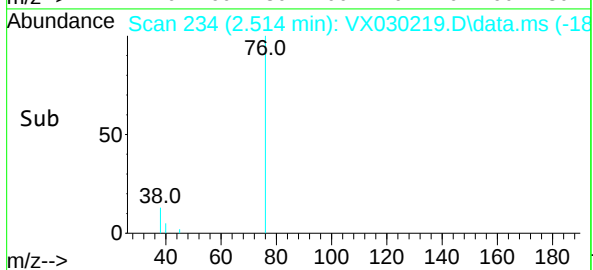
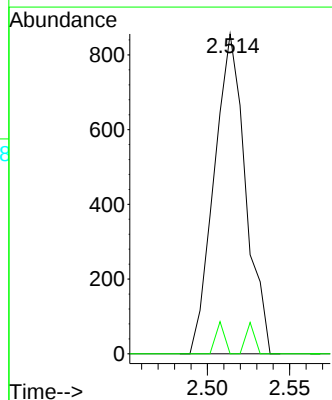
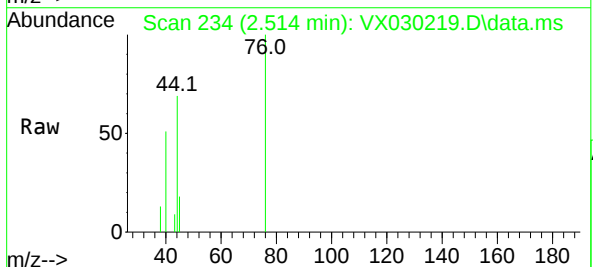
Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

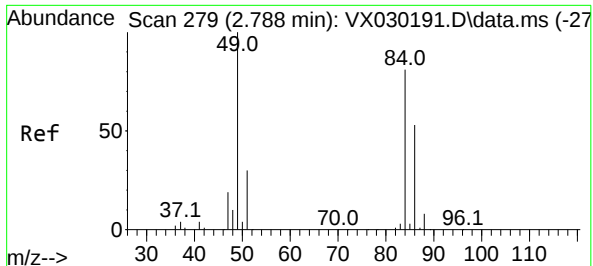
Tgt Ion: 43 Resp: 3215
Ion Ratio Lower Upper
43 100
58 30.3 27.7 41.5



#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 76 Resp: 1137
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



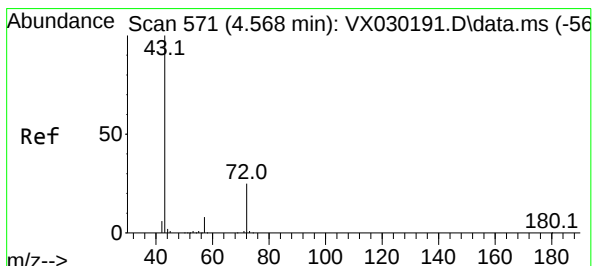
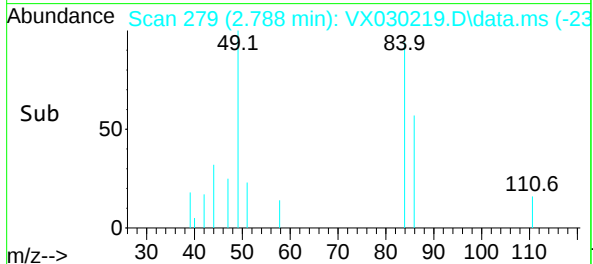
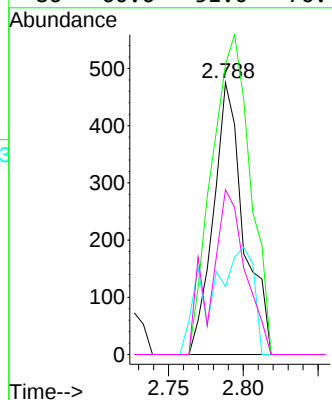
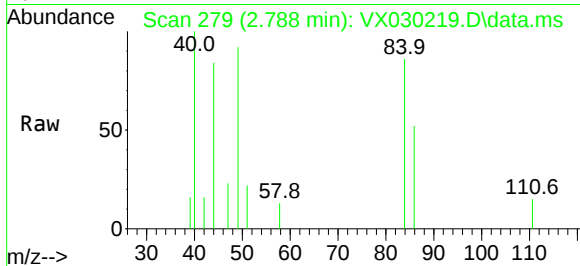


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

Tgt Ion: 84 Resp: 670

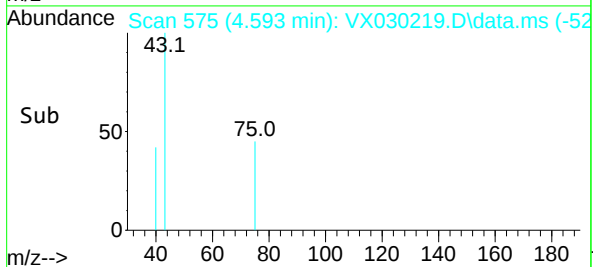
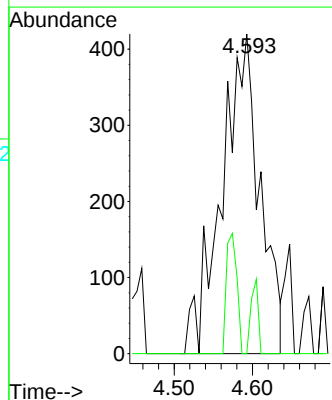
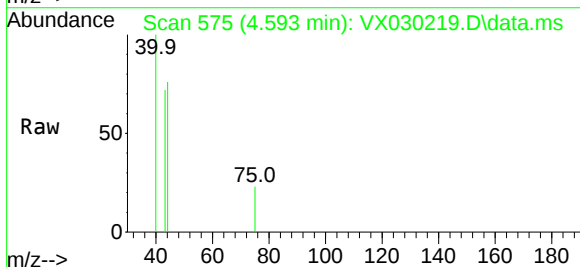
Ion	Ratio	Lower	Upper
84	100		
49	106.7	93.8	140.6
51	25.1	29.4	44.0
86	60.6	51.0	76.4

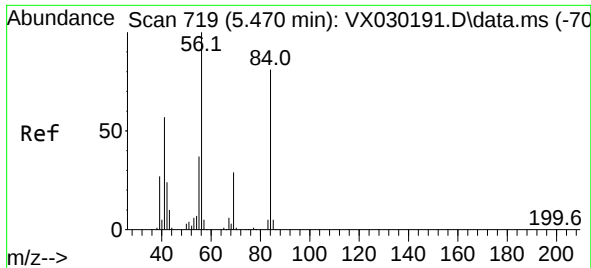


#25
2-Butanone
Concen: 0.669 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 43 Resp: 1428

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5

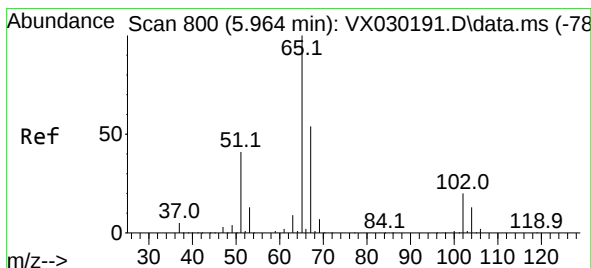
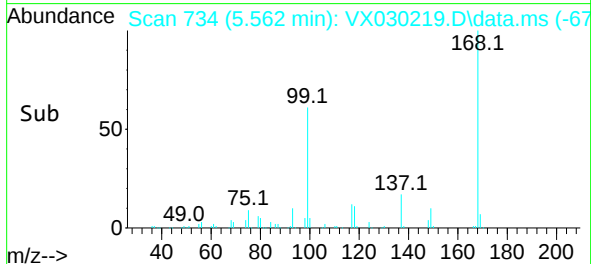
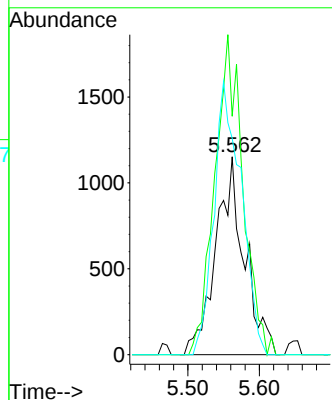
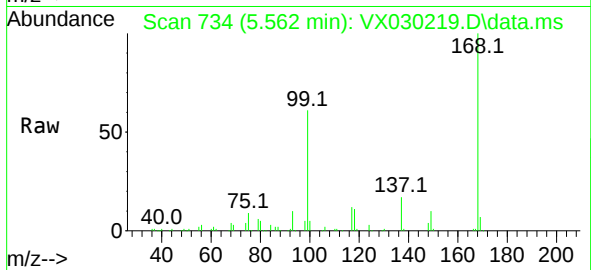




#31
Cyclohexane
Concen: 0.889 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

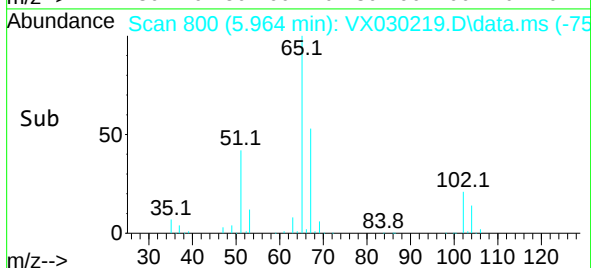
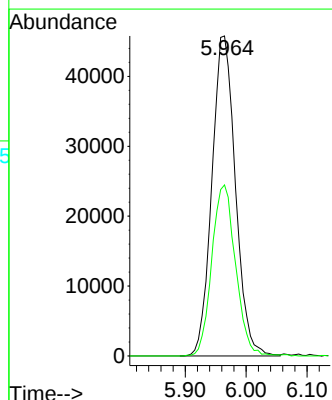
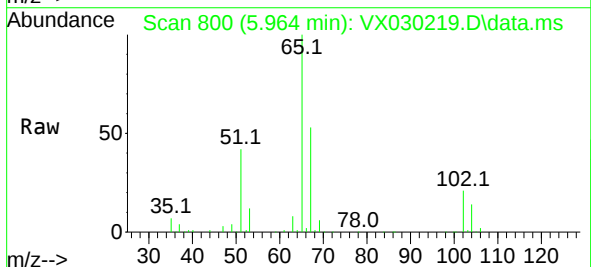
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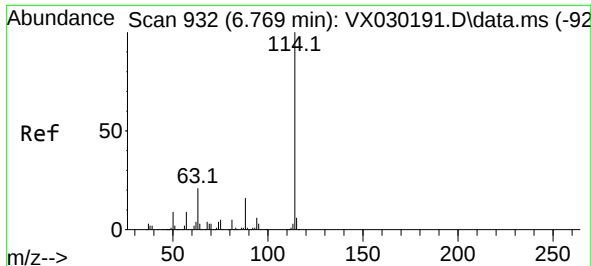
Tgt Ion: 56 Resp: 3202
Ion Ratio Lower Upper
56 100
69 120.5 25.4 38.0#
84 109.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 65 Resp: 122799
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.6

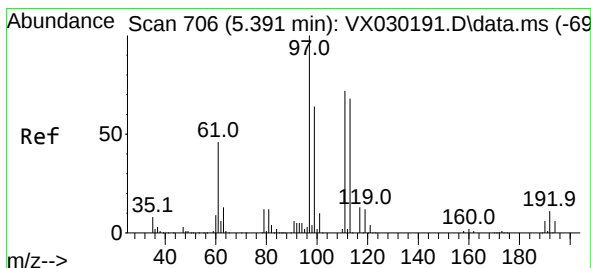
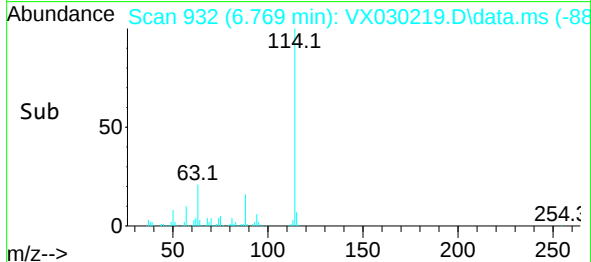
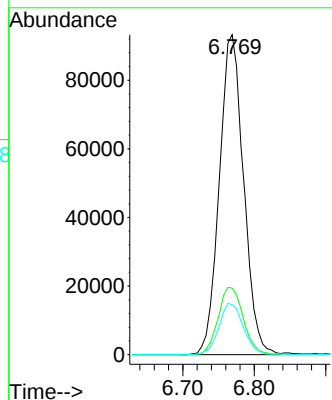
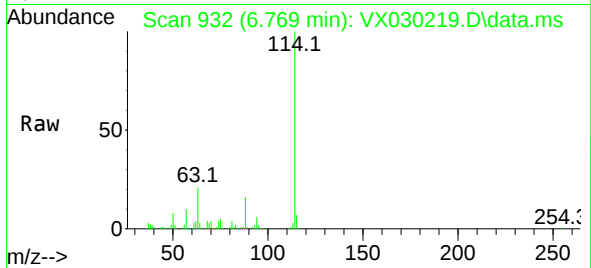




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

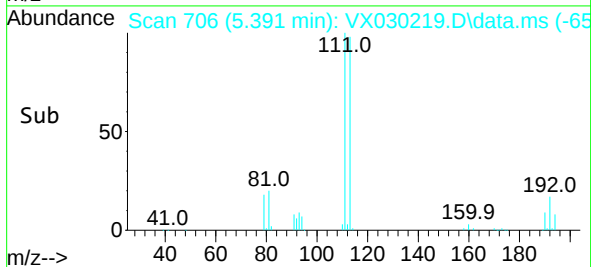
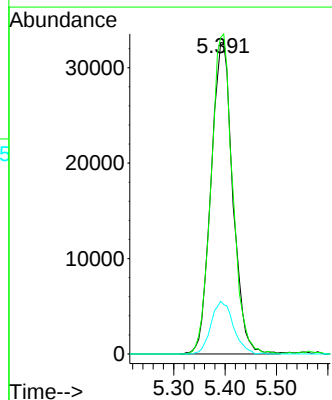
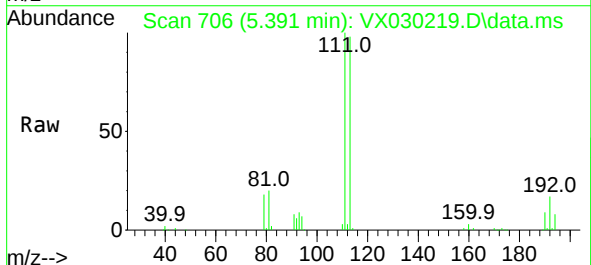
Instrument :
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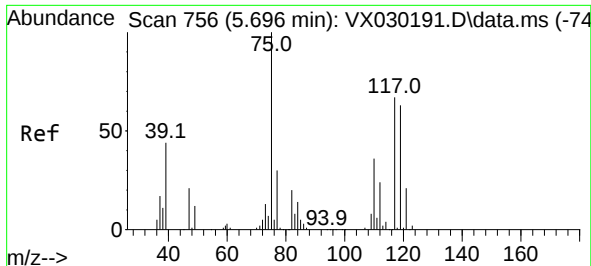
Tgt Ion:114 Resp: 219589
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.4
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.873 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion:113 Resp: 96294
Ion Ratio Lower Upper
113 100
111 101.1 83.2 124.8
192 17.2 14.8 22.2

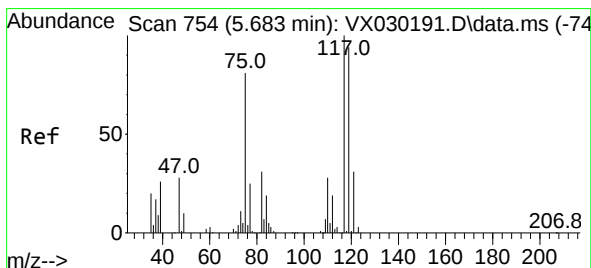
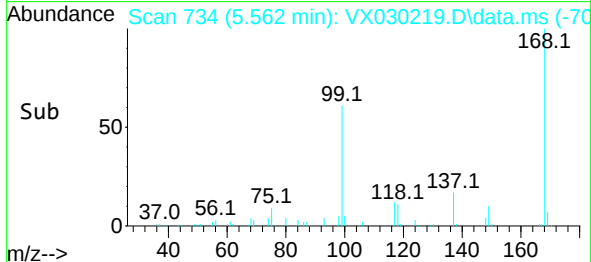
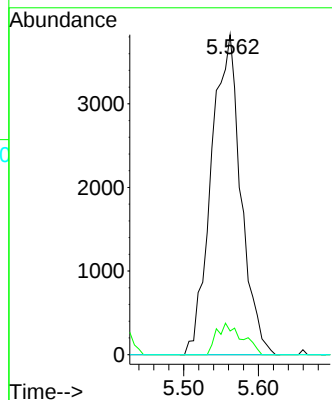
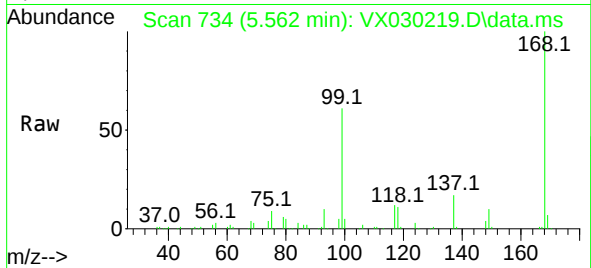




#36
1,1-Dichloropropene
Concen: 3.489 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

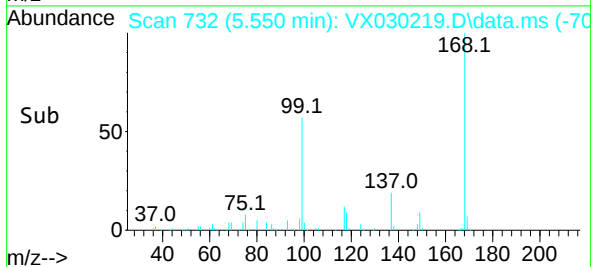
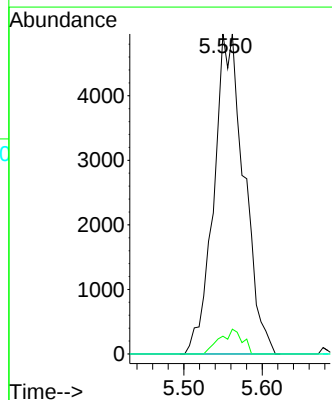
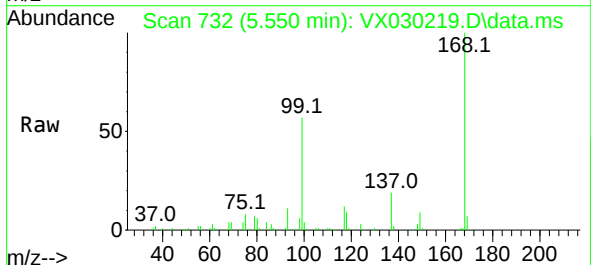
Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

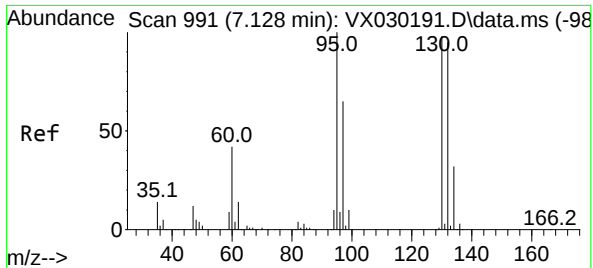
Tgt Ion: 75 Resp: 10541
Ion Ratio Lower Upper
75 100
110 8.4 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.732 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.133 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 117 Resp: 13346
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#

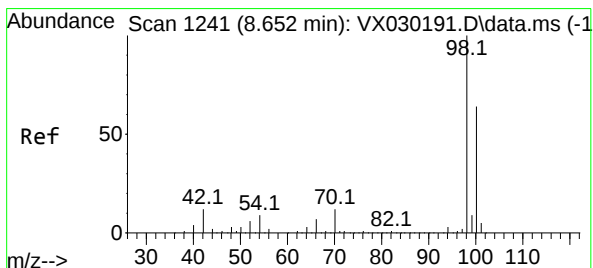
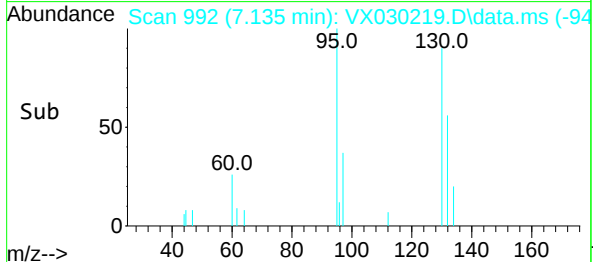
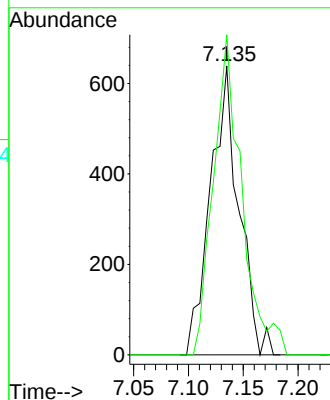
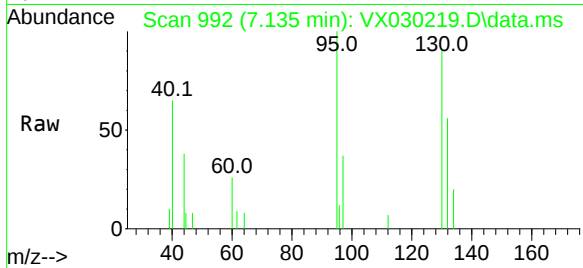




#44
Trichloroethene
Concen: 0.444 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

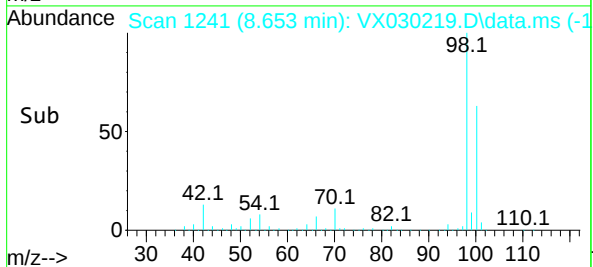
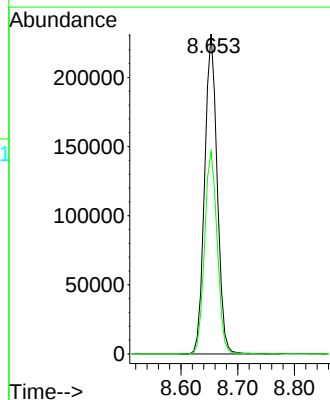
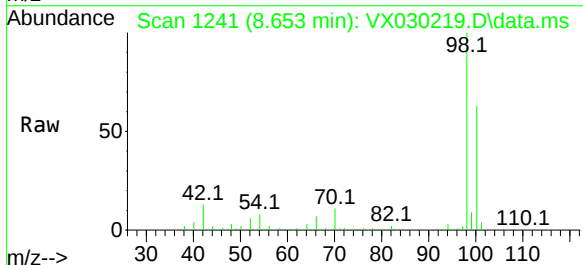
Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

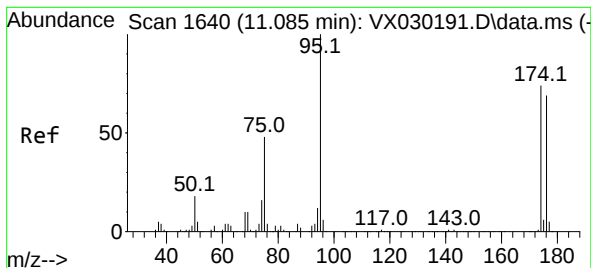
Tgt Ion:130 Resp: 1154
Ion Ratio Lower Upper
130 100
95 110.8 0.0 194.8



#50
Toluene-d8
Concen: 43.604 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 98 Resp: 354474
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5

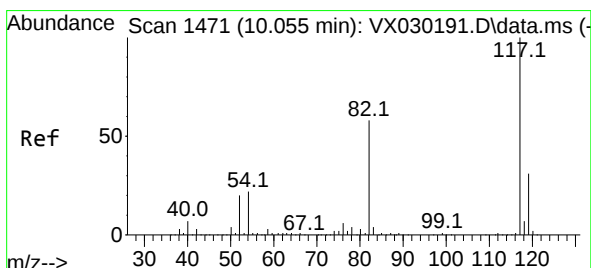
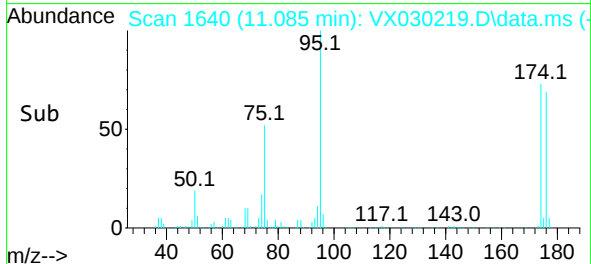
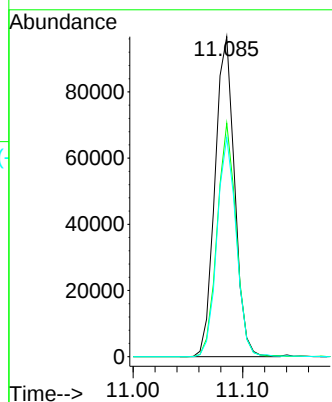
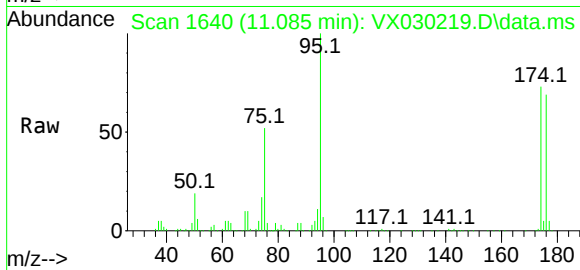




#62
4-Bromofluorobenzene
Concen: 39.916 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

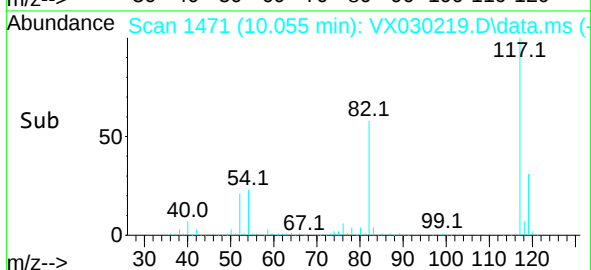
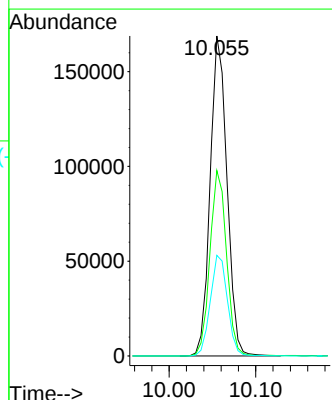
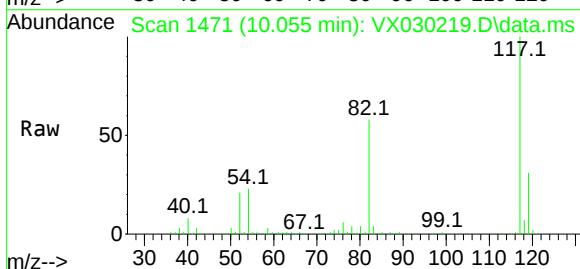
Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

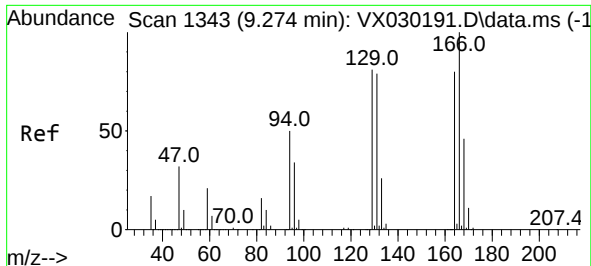
Tgt Ion: 95 Resp: 120425
Ion Ratio Lower Upper
95 100
174 70.6 0.0 149.0
176 67.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 117 Resp: 227729
Ion Ratio Lower Upper
117 100
82 58.0 42.7 64.1
119 31.4 25.4 38.2

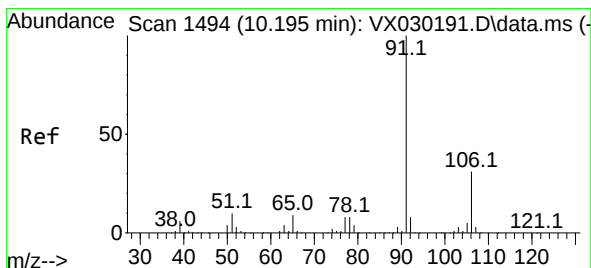
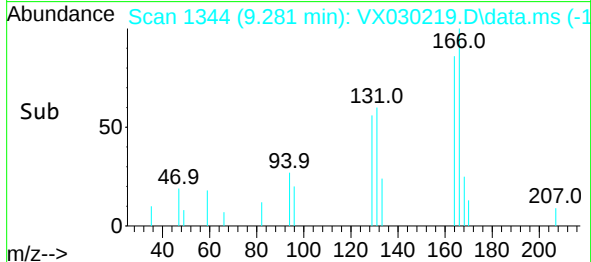
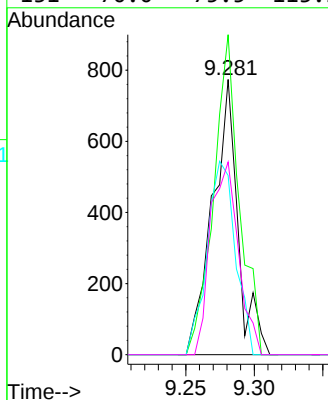
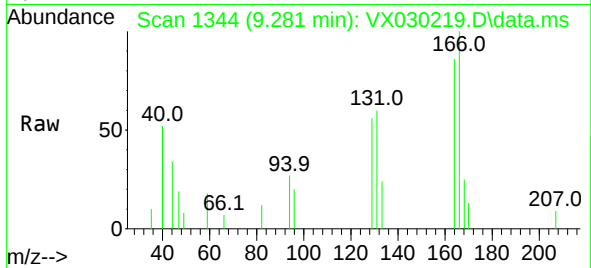




#64
Tetrachloroethene
Concen: 0.407 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

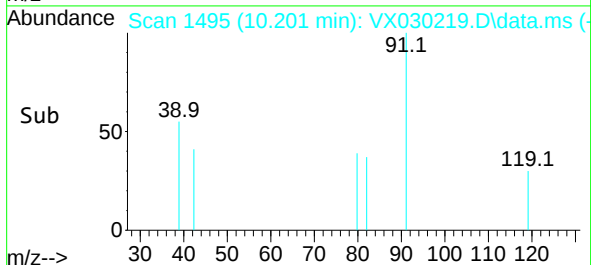
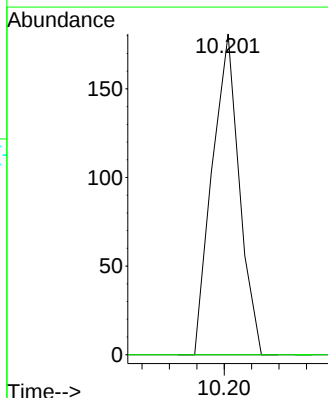
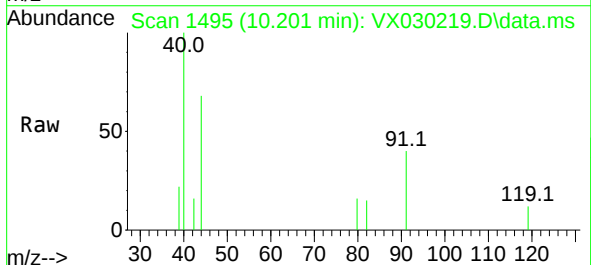
Instrument :
MSVOA_X
ClientSampleId :
SPC-10-84

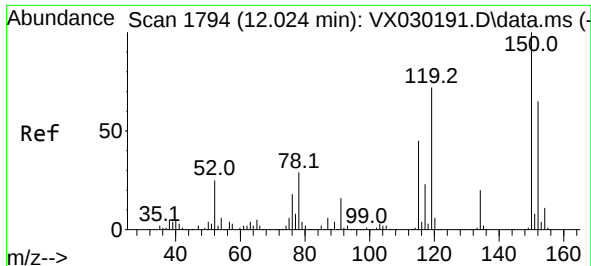
Tgt Ion:164	Resp:	997
Ion	Ratio	Lower Upper
164	100	
166	116.3	98.2 147.4
129	65.1	80.8 121.2#
131	70.0	75.5 113.3#



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030219.D
Acq: 26 Jul 2022 18:47

Tgt Ion: 91	Resp:	124
Ion	Ratio	Lower Upper
91	100	
106	0.0	25.5 38.3#

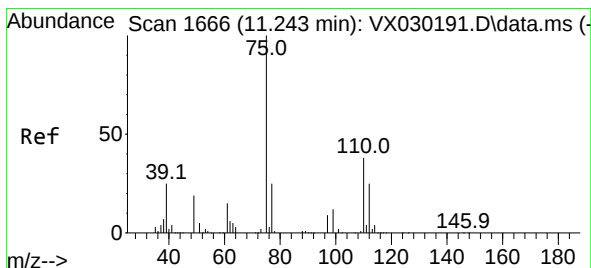
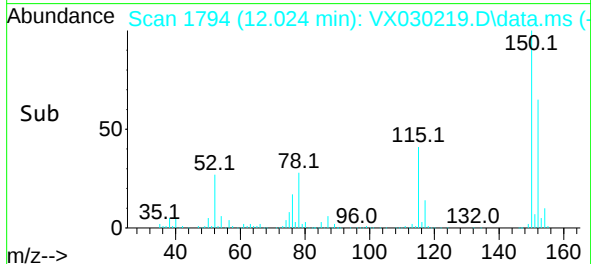
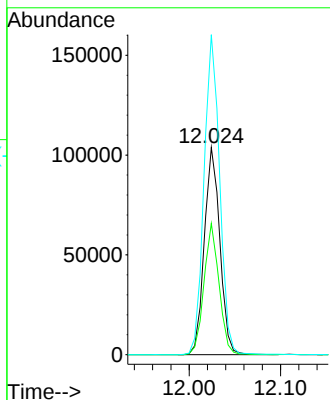
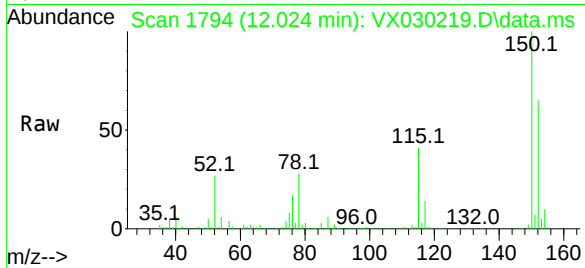




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030219.D
 Acq: 26 Jul 2022 18:47

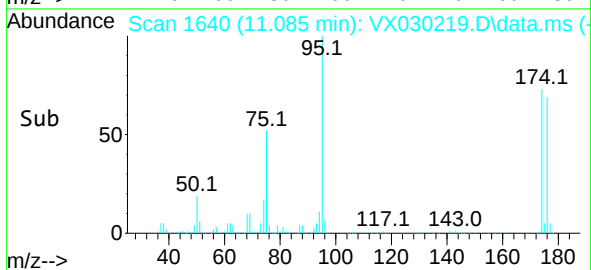
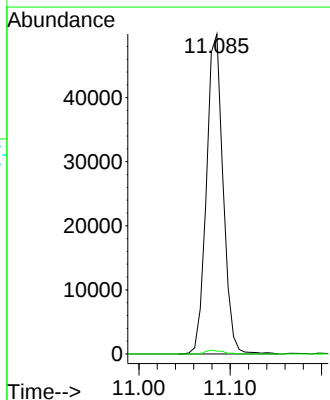
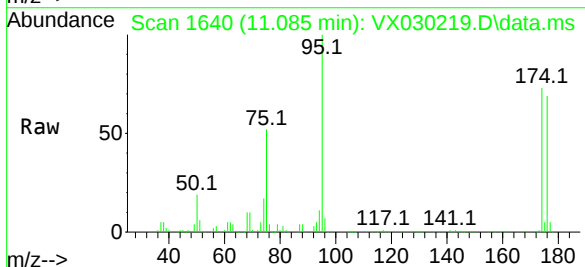
Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-10-84

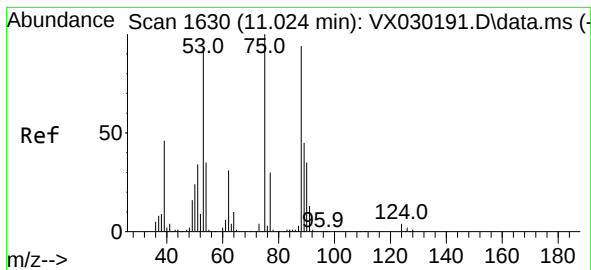
Tgt Ion:152 Resp: 122110
 Ion Ratio Lower Upper
 152 100
 115 61.4 40.5 121.5
 150 155.8 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 19.551 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030219.D
 Acq: 26 Jul 2022 18:47

Tgt Ion: 75 Resp: 62931
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.653 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030219.D
 Acq: 26 Jul 2022 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-10-84

Tgt Ion: 75 Resp: 62931
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.8 52.2#

