

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022723\
 Data File : VY012730.D
 Acq On : 27 Feb 2023 12:30
 Operator : KP/MD
 Sample : 01611-01RE
 Misc : 3.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-13-SB02RE

Quant Time: Feb 28 00:22:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

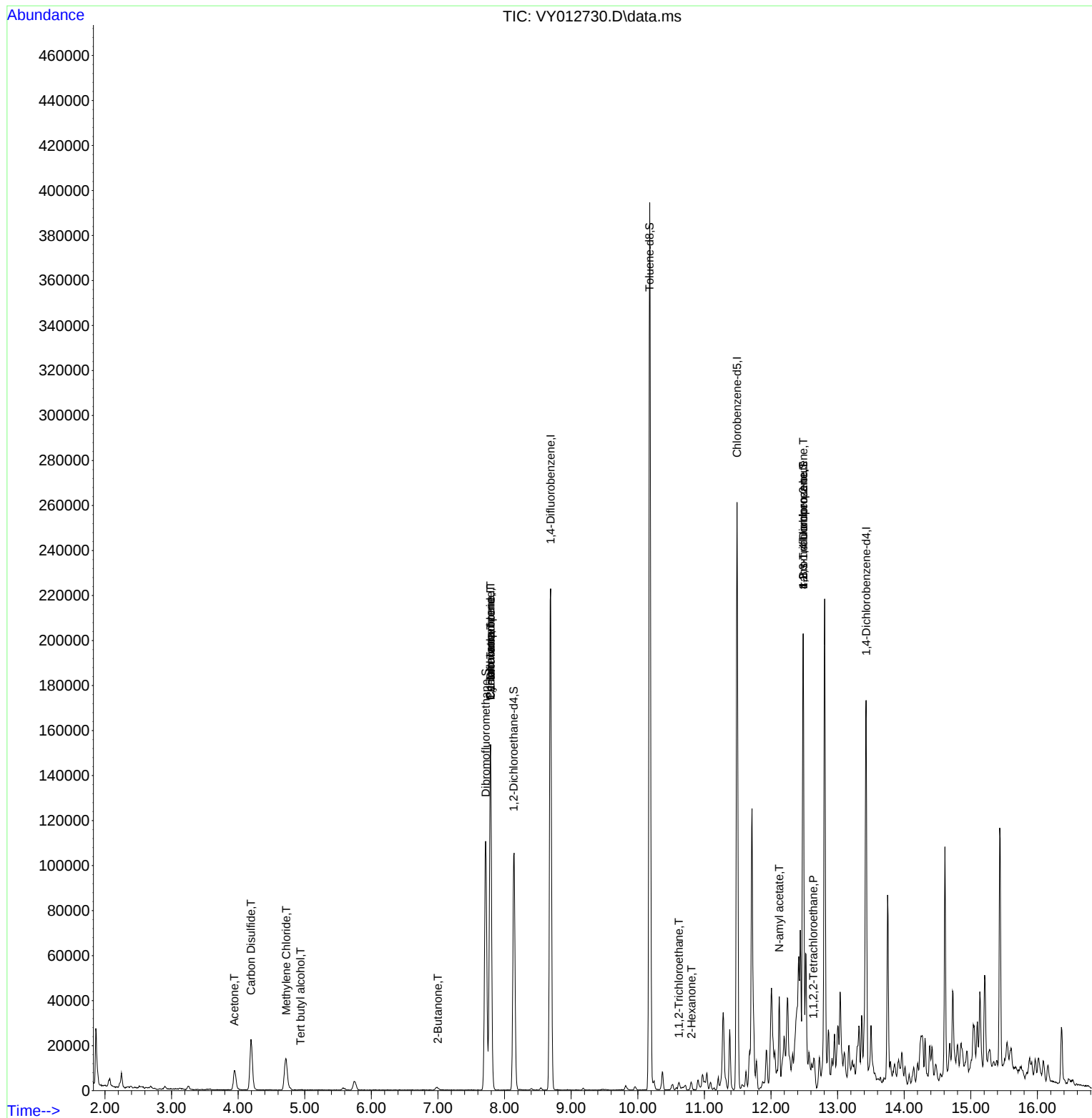
Internal Standards						
1) Pentafluorobenzene	7.789	168	119720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	191797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	136511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	80997	57.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.560%			
35) Dibromofluoromethane	7.716	113	77397	59.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.480%			
50) Toluene-d8	10.179	98	254297	52.396	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.800%			
62) 4-Bromofluorobenzene	12.483	95	56305	36.253	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.500%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	465	Below Cal		98
11) Tert butyl alcohol	4.936	59	205	1.325 ug/l #		74
16) Acetone	3.942	43	15778	34.197 ug/l		100
17) Carbon Disulfide	4.192	76	45224	10.626 ug/l		98
20) Methylene Chloride	4.723	84	10525	1.495 ug/l #		87
25) 2-Butanone	6.997	43	1404	2.293 ug/l		91
31) Cyclohexane	7.789	56	2746	1.118 ug/l #		1
36) 1,1-Dichloropropene	7.789	75	9103	4.433 ug/l #		50
38) Carbon Tetrachloride	7.789	117	11696	5.509 ug/l #		18
55) 1,1,2-Trichloroethane	10.618	97	1316	1.190 ug/l #		13
59) 2-Hexanone	10.807	43	1493	1.631 ug/l #		28
74) N-amyl acetate	12.124	43	7426	7.929 ug/l #		68
75) 1,1,2,2-Tetrachloroethane	12.636	83	883	1.378 ug/l #		87
76) 1,2,3-Trichloropropane	12.483	75	29647	61.682 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	29647	130.673 ug/l #		10

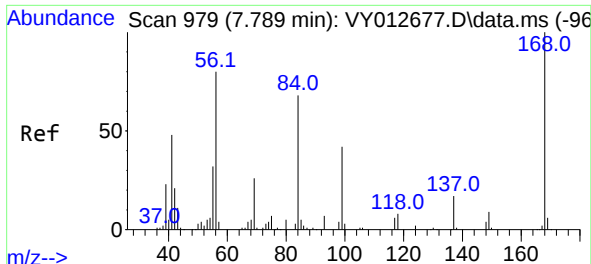
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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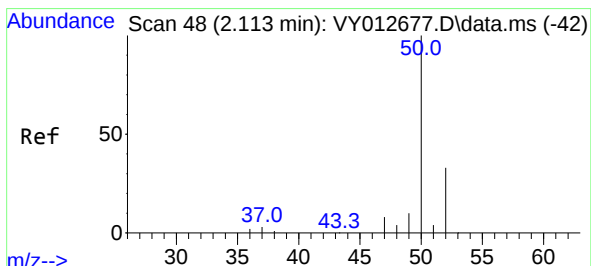
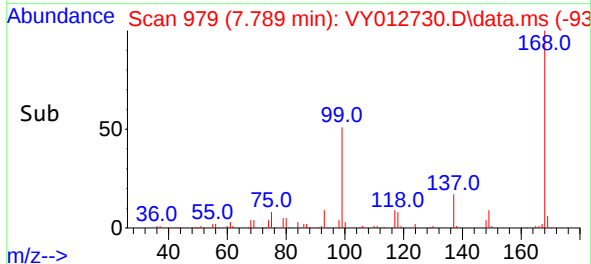
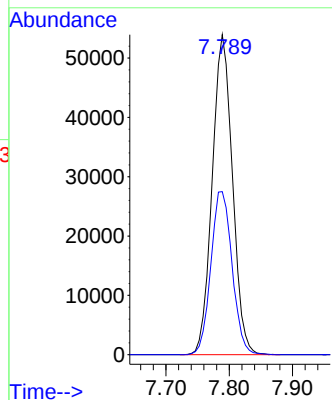
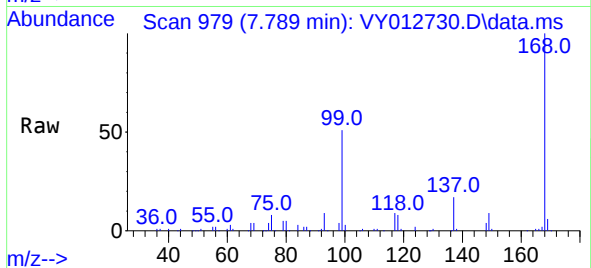




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

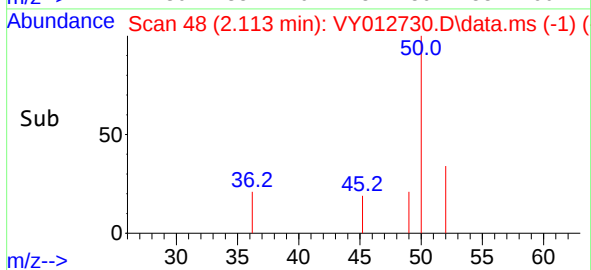
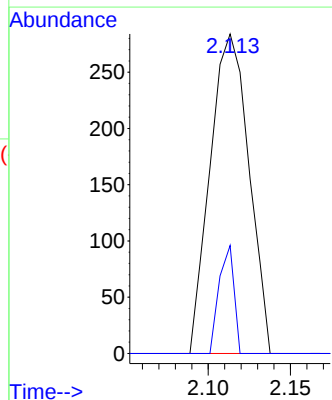
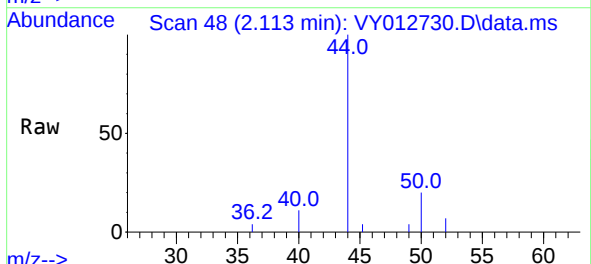
Instrument :
MSVOA_Y
ClientSampleId :
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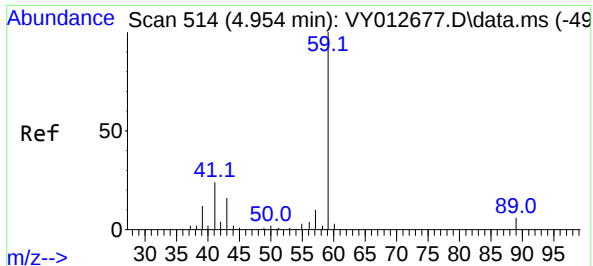
Tgt Ion:168 Resp: 119720
Ion Ratio Lower Upper
168 100
99 51.0 45.4 68.2



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 50 Resp: 465
Ion Ratio Lower Upper
50 100
52 33.8 26.1 39.1

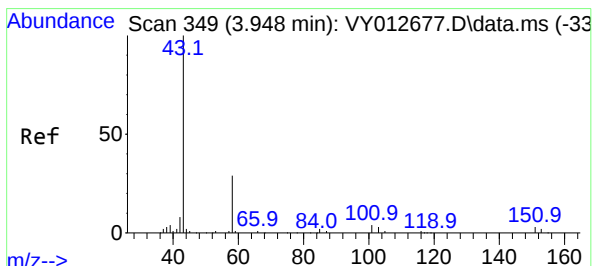
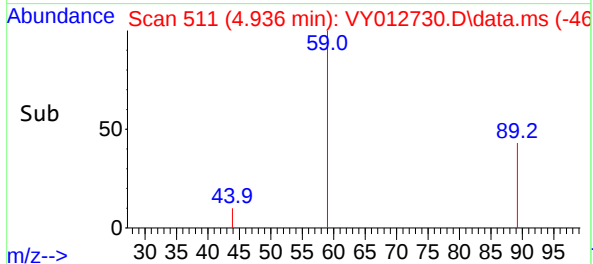
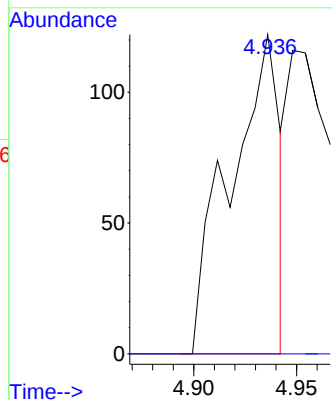
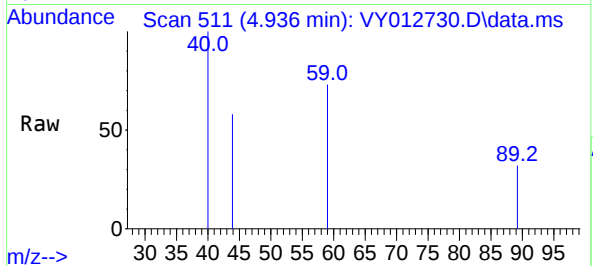




#11
Tert butyl alcohol
Concen: 1.325 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

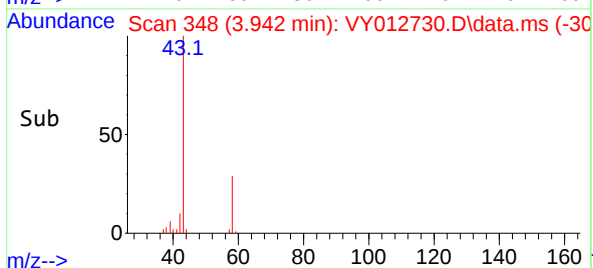
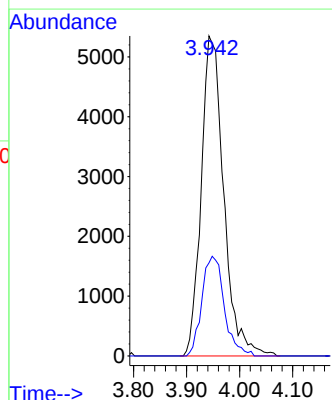
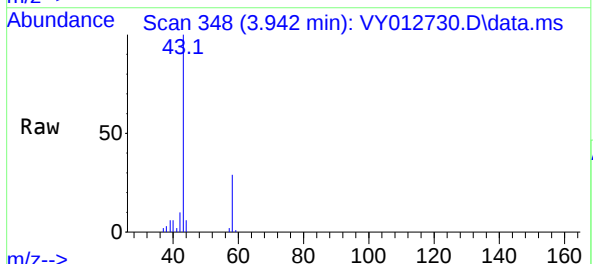
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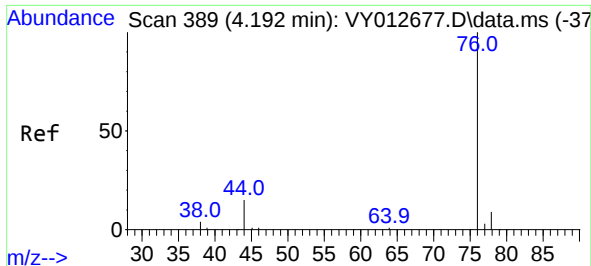
Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 34.197 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 43 Resp: 15778
Ion Ratio Lower Upper
43 100
58 29.1 23.3 34.9

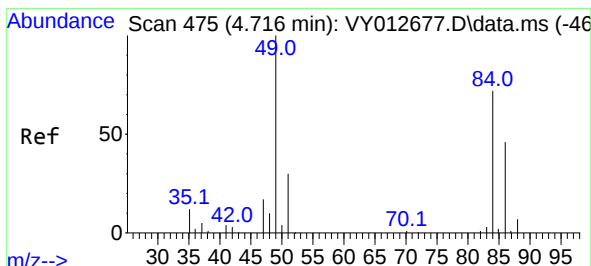
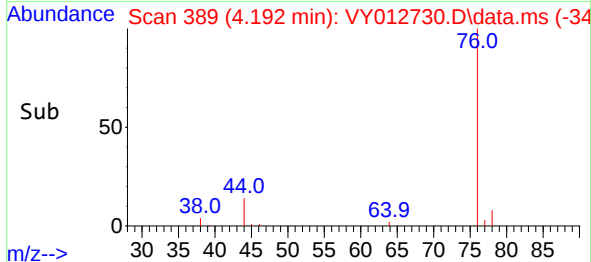
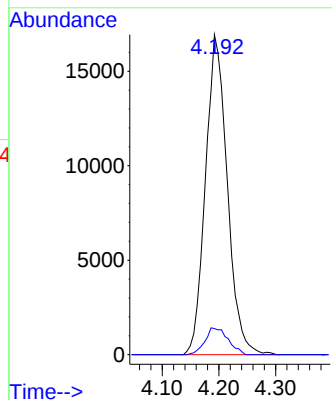
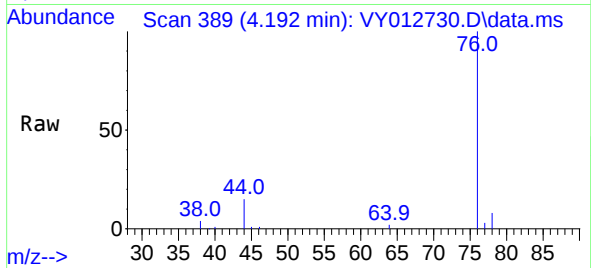




#17
Carbon Disulfide
Concen: 10.626 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

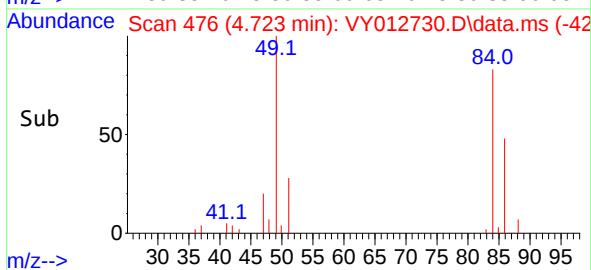
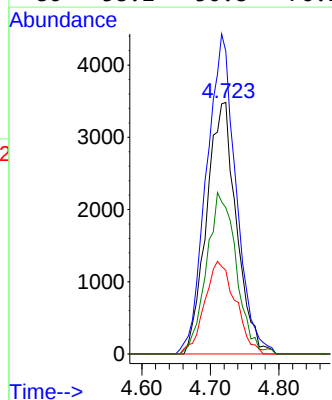
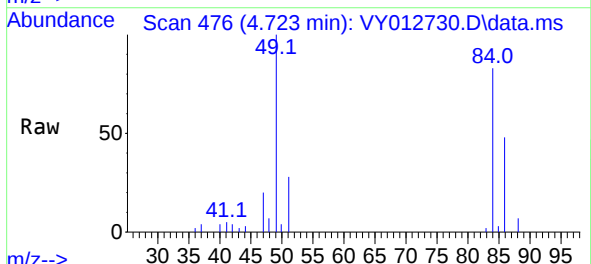
Instrument :
MSVOA_Y
ClientSampleId :
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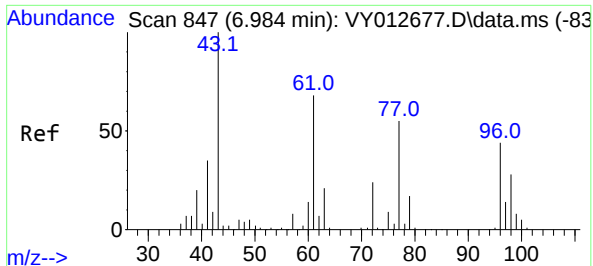
Tgt Ion: 76 Resp: 45224
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7



#20
Methylene Chloride
Concen: 1.495 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 84 Resp: 10525
Ion Ratio Lower Upper
84 100
49 120.4 111.1 166.7
51 33.3 33.5 50.3#
86 58.2 50.8 76.2

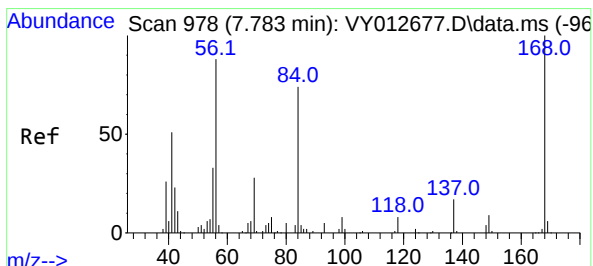
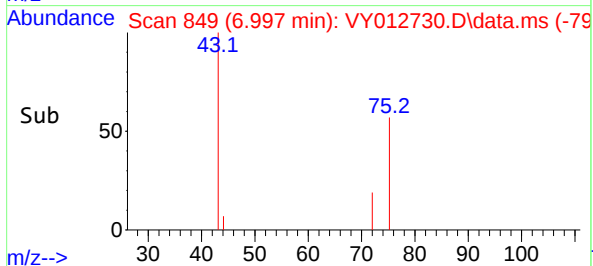
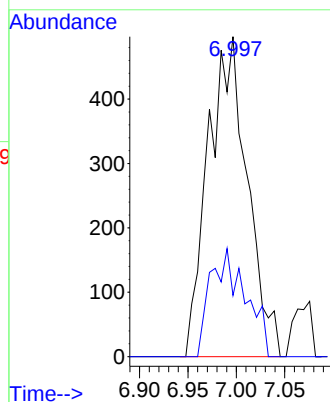
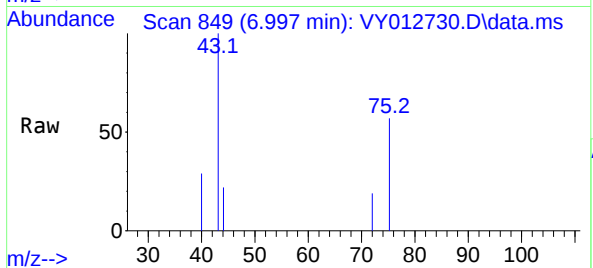




#25
2-Butanone
Concen: 2.293 ug/l
RT: 6.997 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

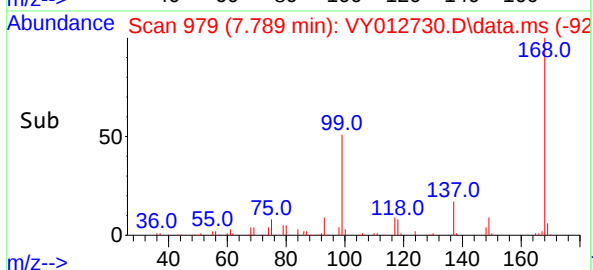
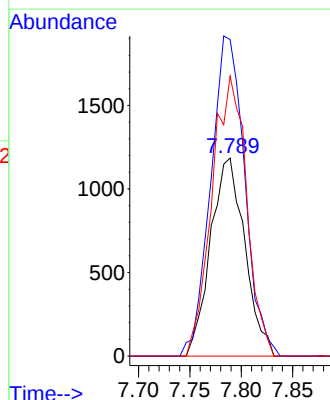
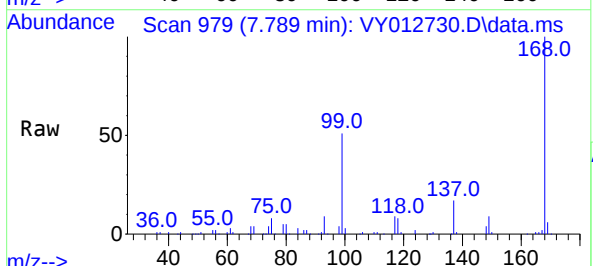
Instrument :
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ClientSampleId :
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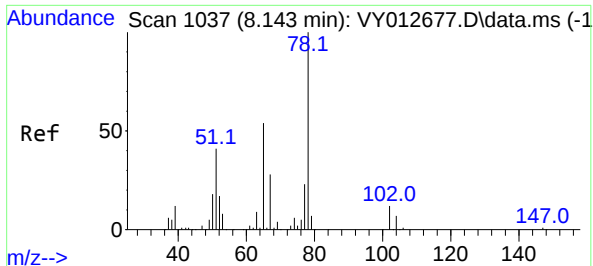
Tgt Ion: 43 Resp: 1404
Ion Ratio Lower Upper
43 100
72 19.1 18.8 28.2



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 56 Resp: 2746
Ion Ratio Lower Upper
56 100
69 159.9 25.4 38.2#
84 141.4 67.3 100.9#

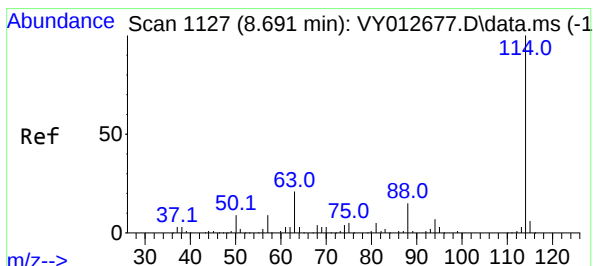
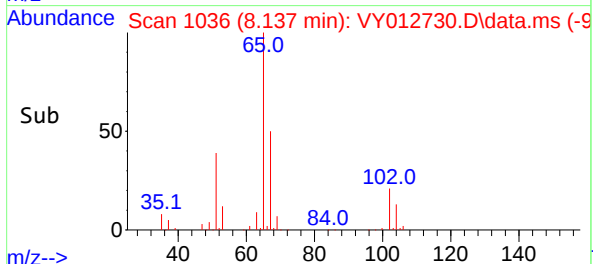
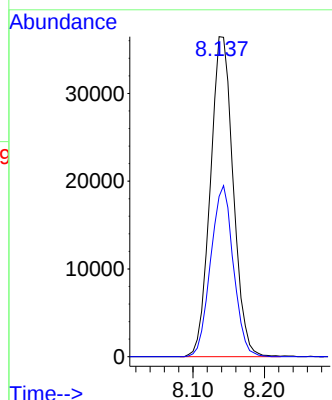
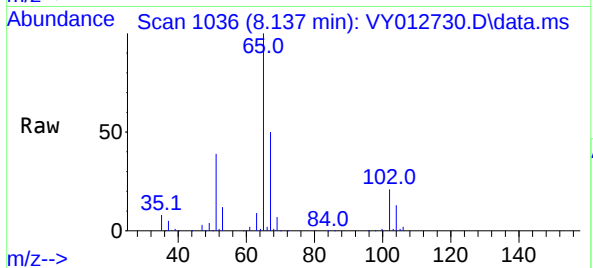




#33
1,2-Dichloroethane-d4
Concen: 57.284 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

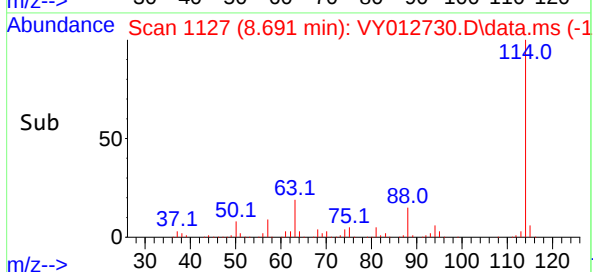
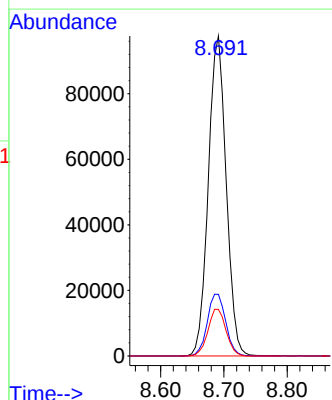
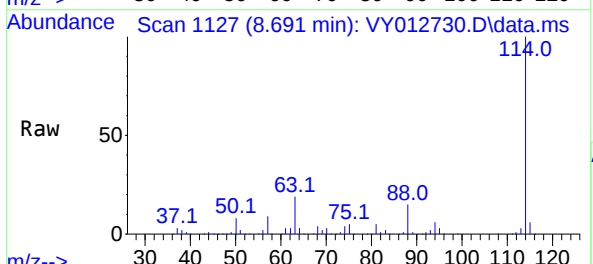
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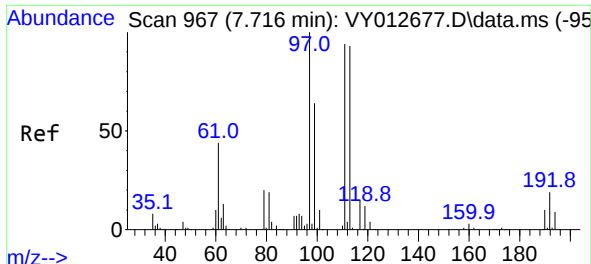
Tgt Ion: 65 Resp: 80997
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 114 Resp: 191797
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.8
88 14.6 0.0 29.6

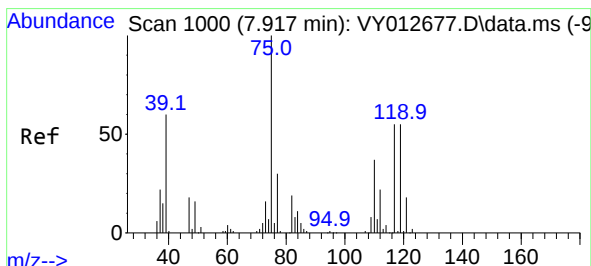
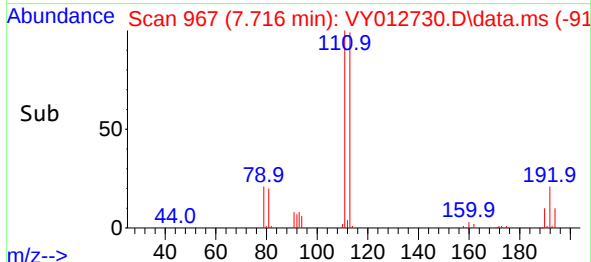
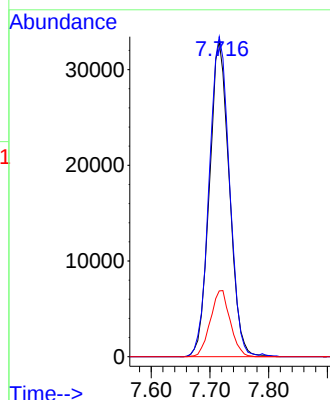
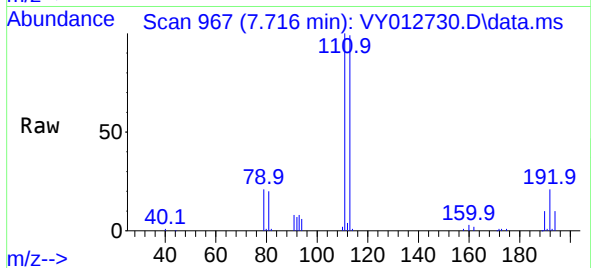




#35
Dibromofluoromethane
Concen: 59.745 ug/l
RT: 7.716 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

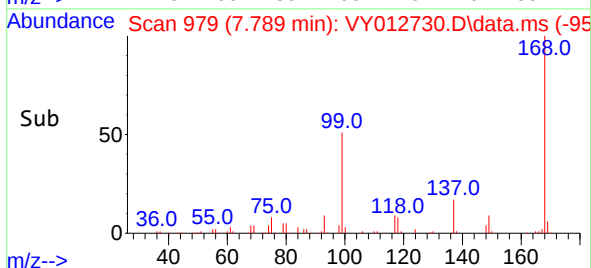
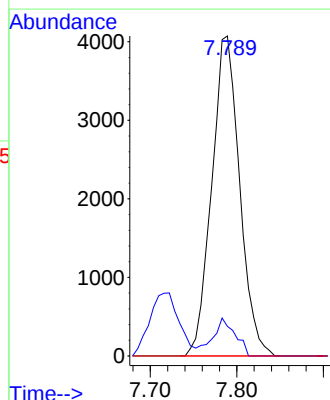
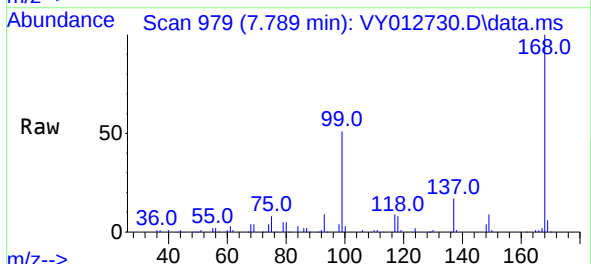
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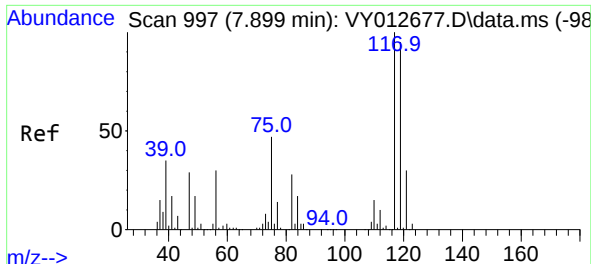
Tgt Ion:113 Resp: 77397
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 21.0 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.433 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 75 Resp: 9103
Ion Ratio Lower Upper
75 100
110 9.5 17.6 52.8#
77 0.0 24.6 37.0#

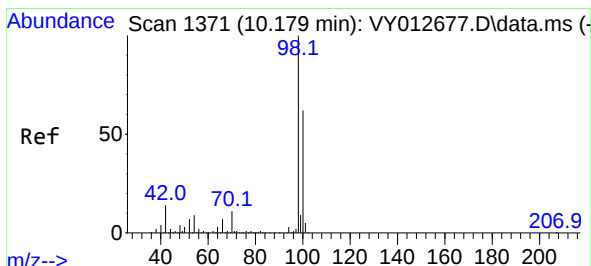
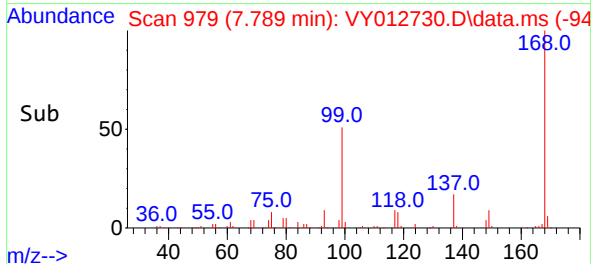
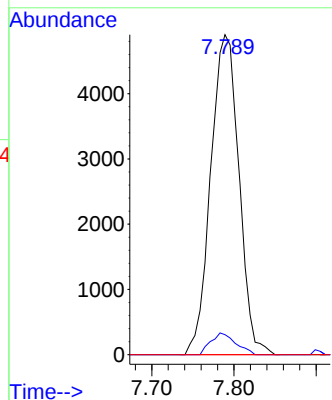
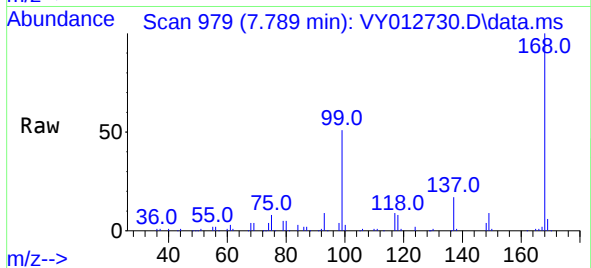




#38
Carbon Tetrachloride
Concen: 5.509 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

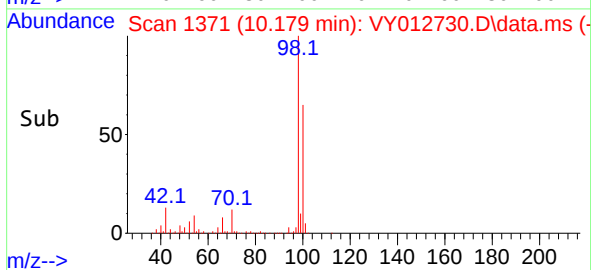
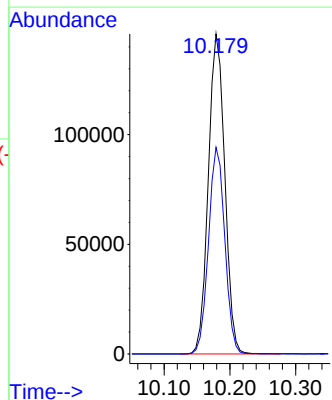
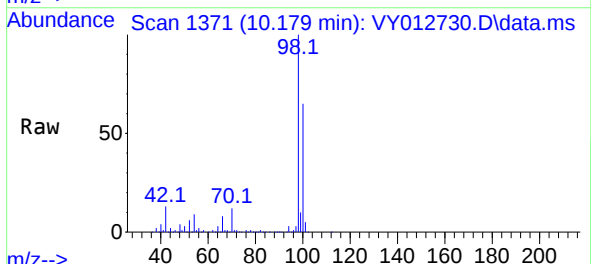
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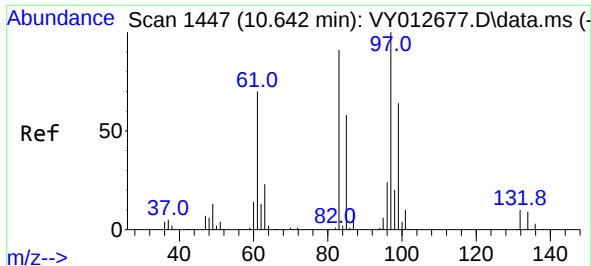
Tgt Ion:117 Resp: 11696
Ion Ratio Lower Upper
117 100
119 6.3 75.5 113.3#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 52.396 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 98 Resp: 254297
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8

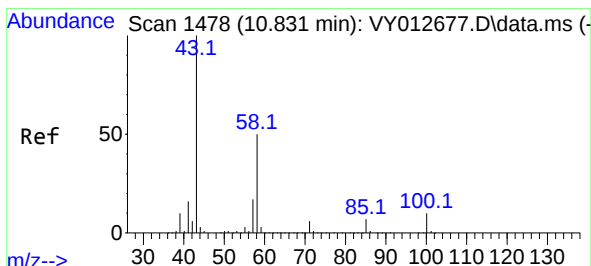
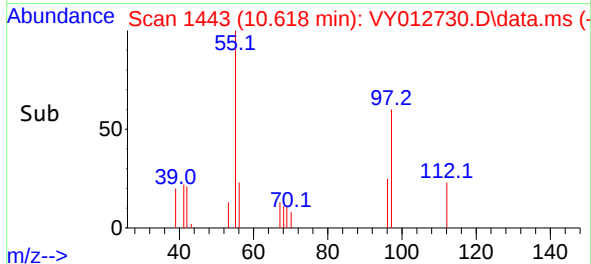
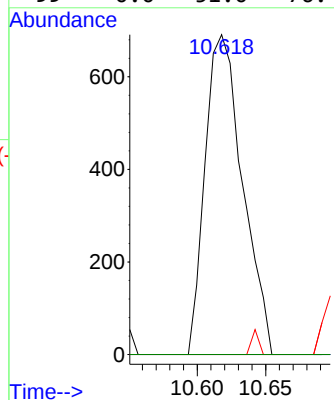
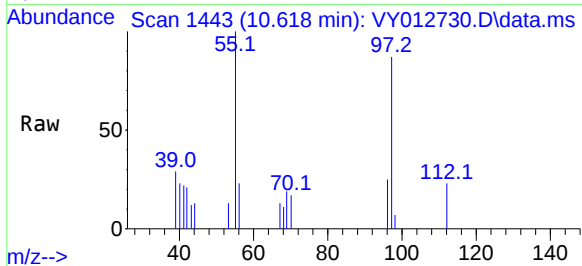




#55
1,1,2-Trichloroethane
Concen: 1.190 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

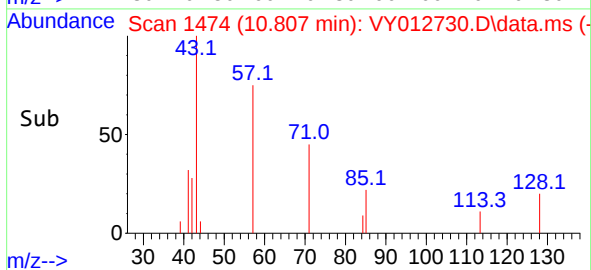
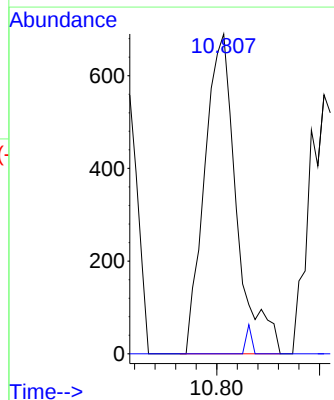
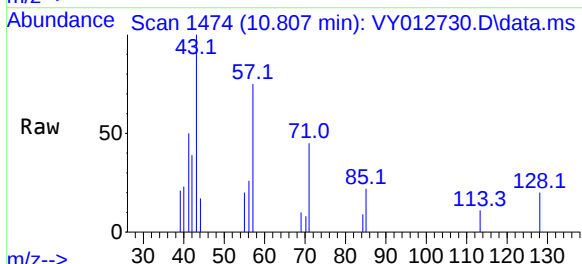
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02RE

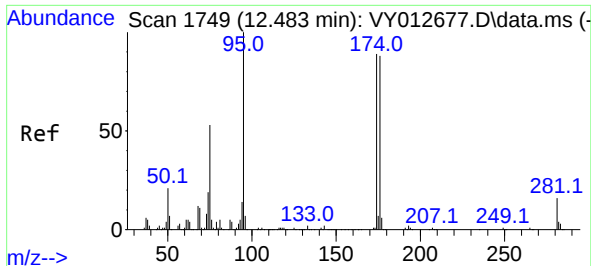
Tgt Ion:	97	Resp:	1316
Ion	Ratio	Lower	Upper
97	100		
83	0.0	73.1	109.7#
85	0.0	46.1	69.1#
99	0.0	51.0	76.4#



#59
2-Hexanone
Concen: 1.631 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion:	43	Resp:	1493
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.9	74.6#

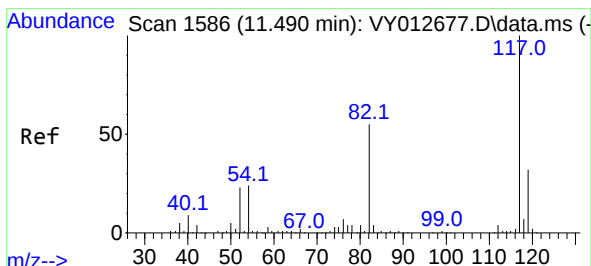
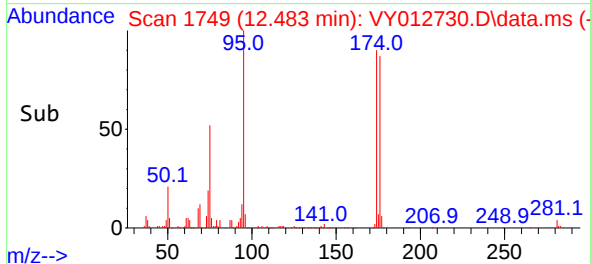
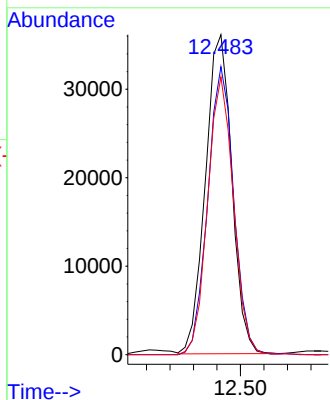
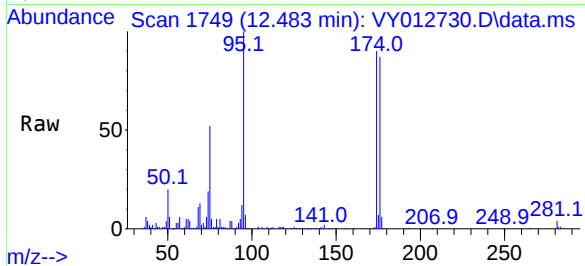




#62
4-Bromofluorobenzene
Concen: 36.253 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

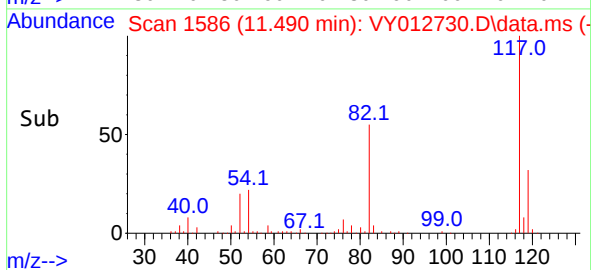
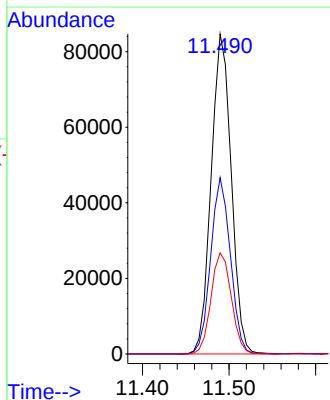
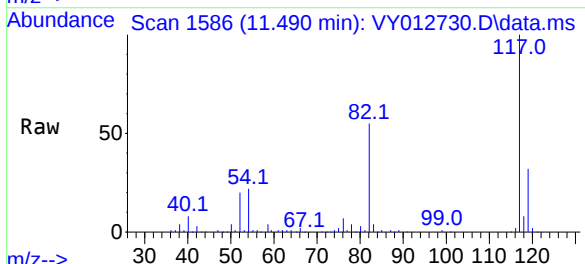
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02RE

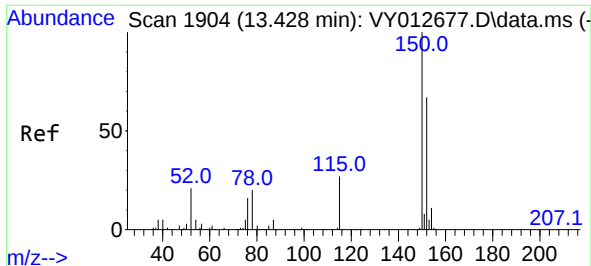
Tgt Ion: 95 Resp: 56305
Ion Ratio Lower Upper
95 100
174 88.7 0.0 172.8
176 85.0 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 117 Resp: 136511
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 31.6 25.5 38.3

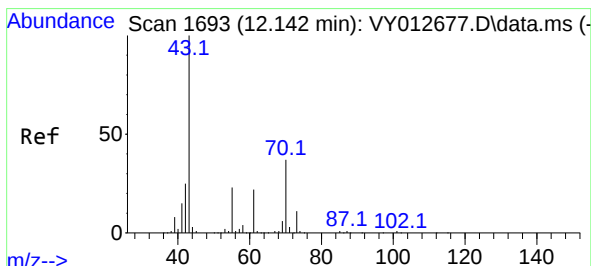
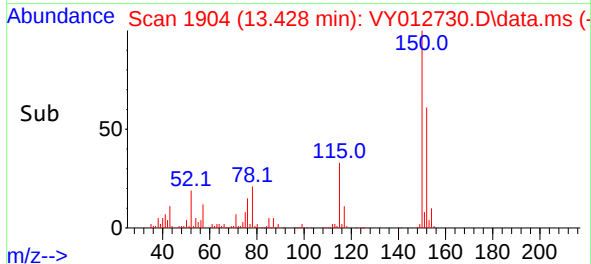
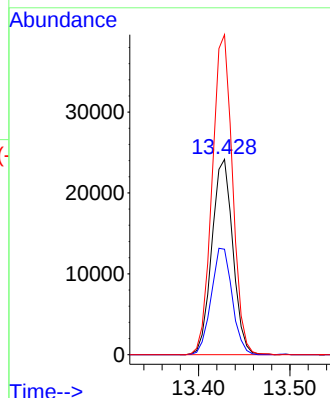
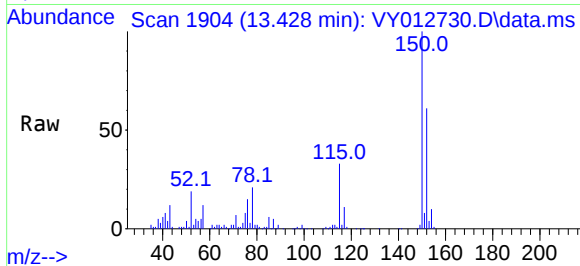




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

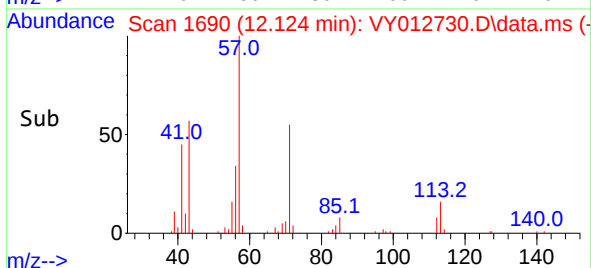
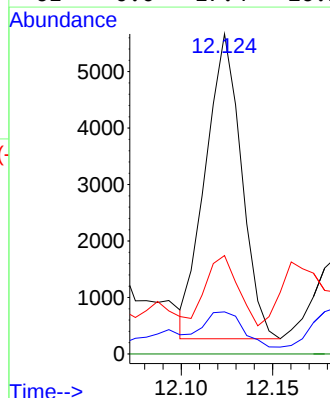
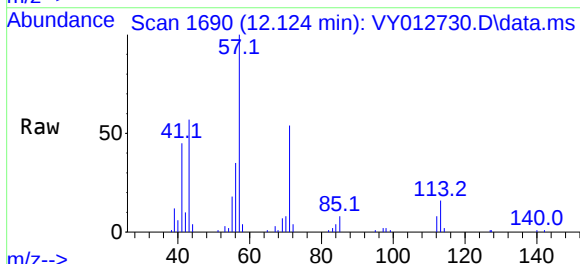
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02RE

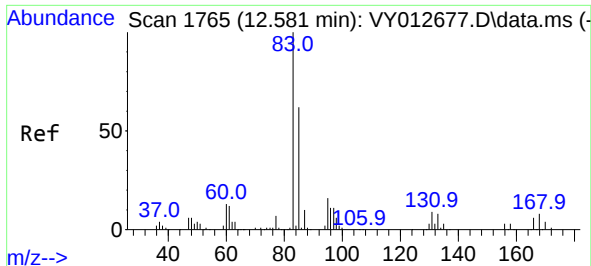
Tgt Ion:152 Resp: 38554
Ion Ratio Lower Upper
152 100
115 54.4 28.7 86.3
150 158.7 0.0 347.6



#74
N-ethyl acetate
Concen: 7.929 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

Tgt Ion: 43 Resp: 7426
Ion Ratio Lower Upper
43 100
70 13.3 29.8 44.6#
55 19.8 18.2 27.2
61 0.0 17.4 26.2#

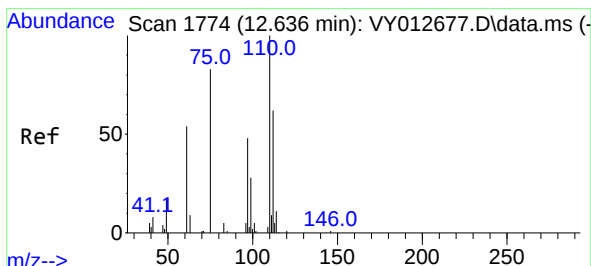
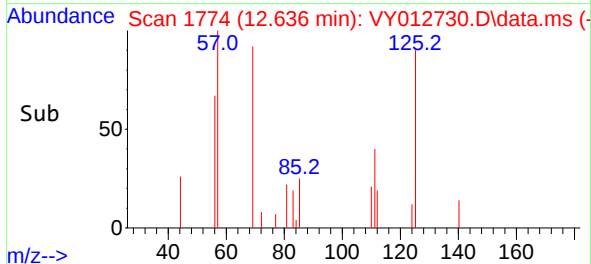
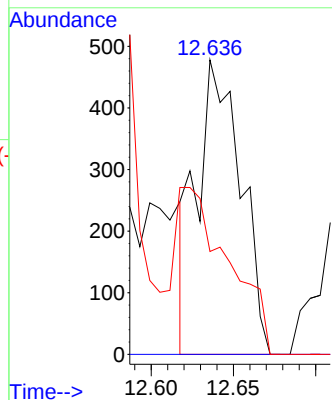
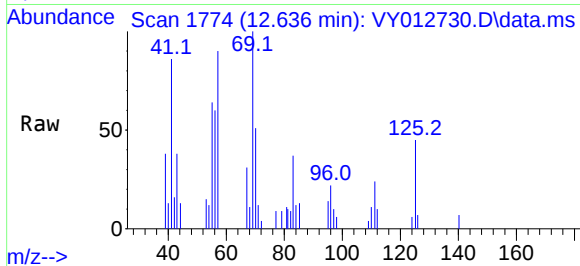




#75
1,1,2,2-Tetrachloroethane
Concen: 1.378 ug/l
RT: 12.636 min Scan# 1749
Delta R.T. 0.055 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

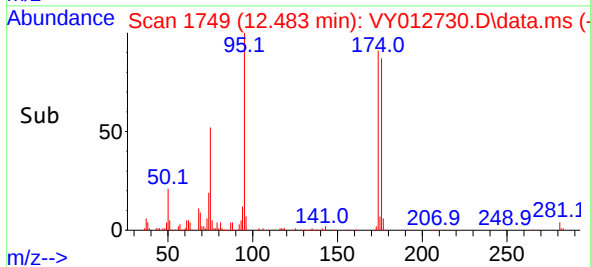
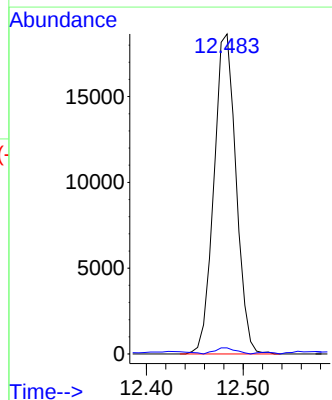
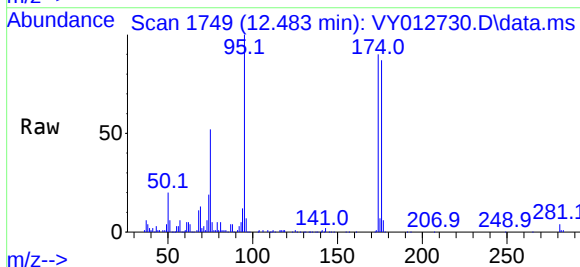
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02RE

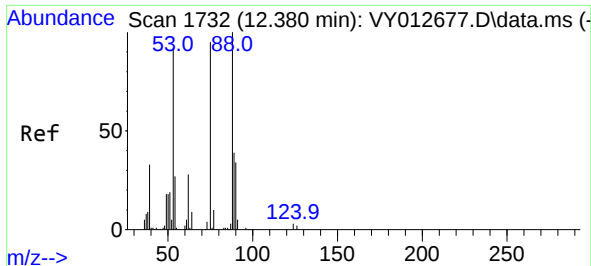
Tgt Ion: 83 Resp: 883
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 71.6 31.6 95.0



#76
1,2,3-Trichloropropane
Concen: 61.682 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012730.D
Acq: 27 Feb 2023 12:30

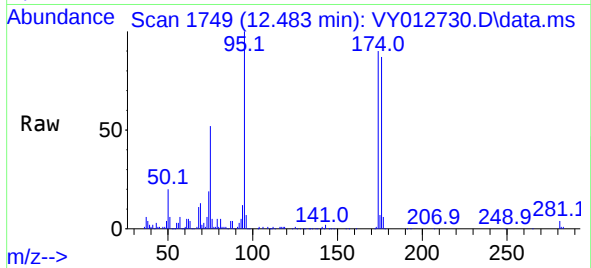
Tgt Ion: 75 Resp: 29647
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.673 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012730.D
 Acq: 27 Feb 2023 12:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-13-SB02RE



Tgt Ion: 75 Resp: 29647
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.4 120.6#
 89 0.1 36.5 54.7#

