

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015080.D
 Acq On : 14 Aug 2023 15:36
 Operator : SY/MD
 Sample : 03971-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP01A

Quant Time: Aug 14 15:48:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

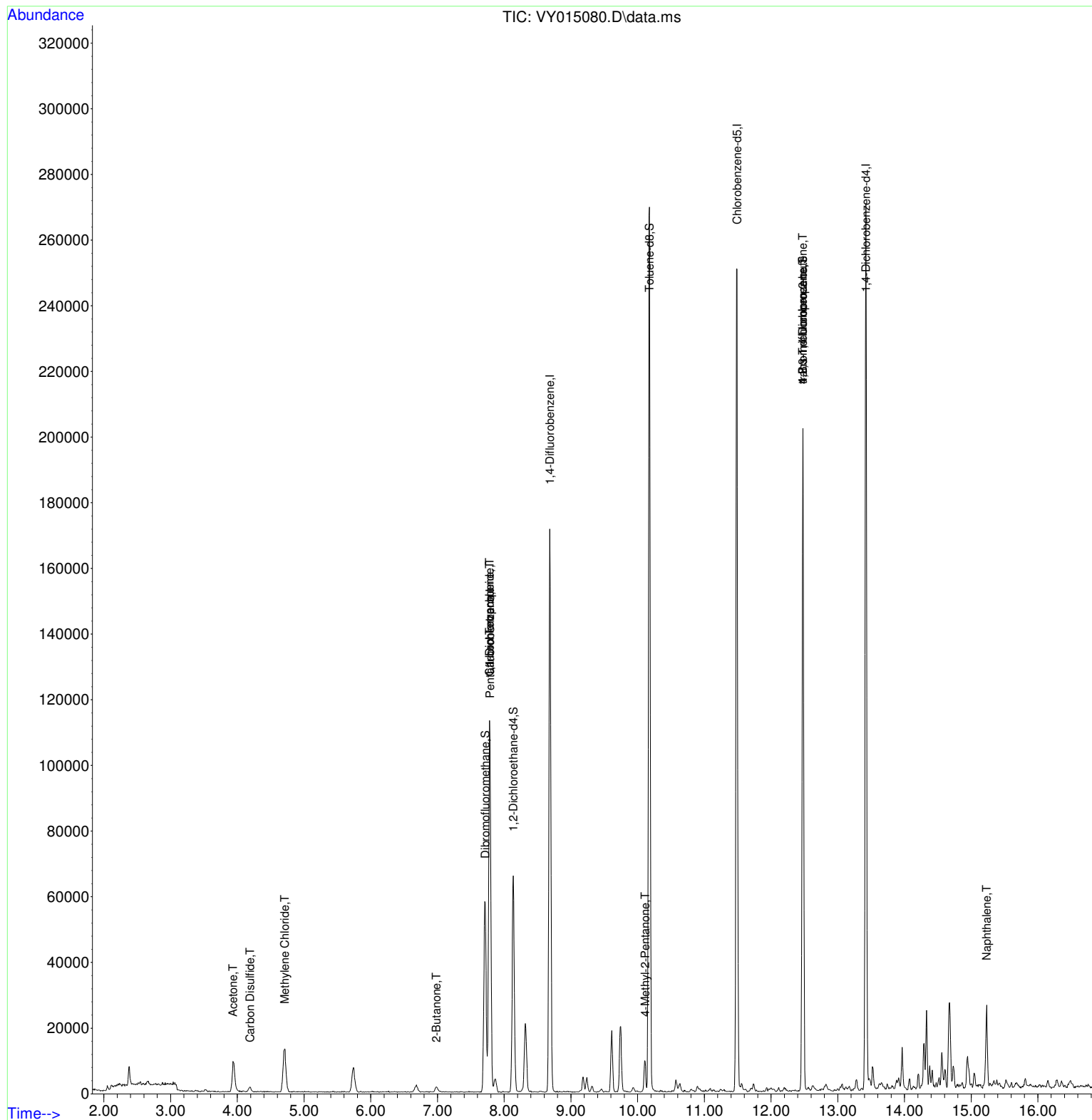
Internal Standards						
1) Pentafluorobenzene	7.789	168	87280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	147269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	139576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	66157	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51930	49.57	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.14%		
35) Dibromofluoromethane	7.716	113	41016	43.29	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.58%		
50) Toluene-d8	10.179	98	175913	49.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.76%		
62) 4-Bromofluorobenzene	12.477	95	61775	47.96	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.92%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	475	Below Cal	#	87
5) Bromomethane	2.668	94	478	Below Cal		88
11) Tert butyl alcohol	4.954	59	49	Below Cal	#	89
16) Acetone	3.936	43	16498	48.20	ug/l	96
17) Carbon Disulfide	4.192	76	2917	2.73	ug/l	96
20) Methylene Chloride	4.710	84	9915	8.50	ug/l	88
25) 2-Butanone	6.984	43	2799	5.78	ug/l	92
31) Cyclohexane	7.783	56	1932	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	6525	6.23	ug/l #	51
38) Carbon Tetrachloride	7.783	117	8610	6.94	ug/l #	17
51) 4-Methyl-2-Pentanone	10.112	43	1349	1.31	ug/l #	82
76) 1,2,3-Trichloropropane	12.477	75	33479	41.65	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	33479	91.49	ug/l #	10
95) Naphthalene	15.233	128	19698	6.41	ug/l	99

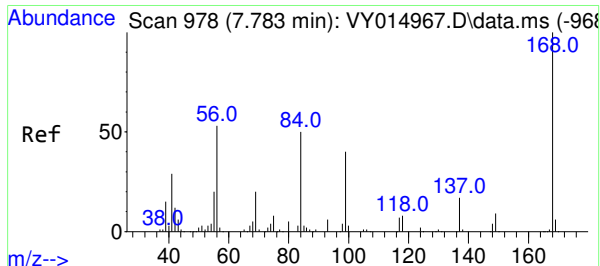
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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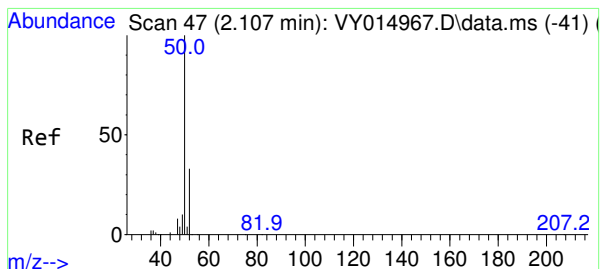
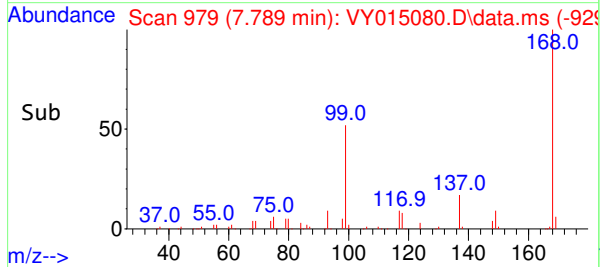
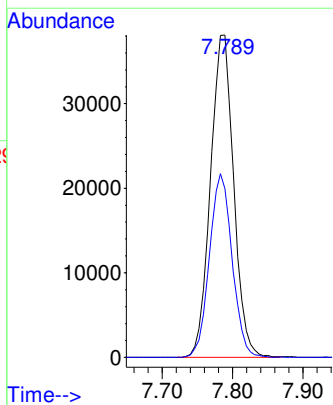
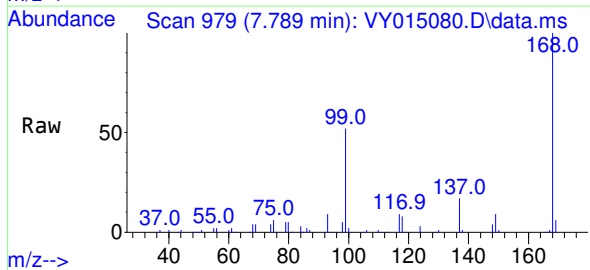




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.789 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

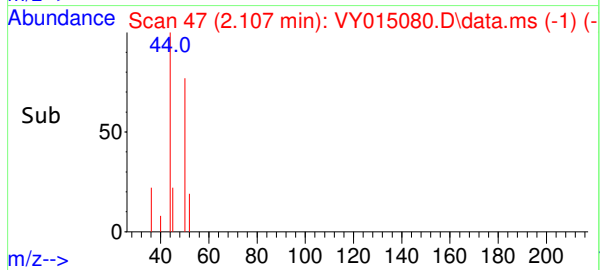
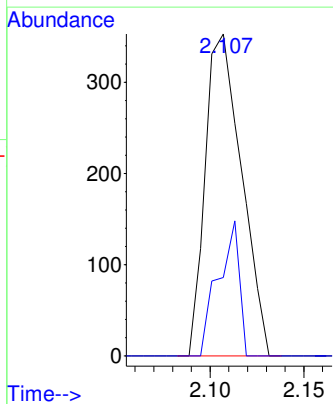
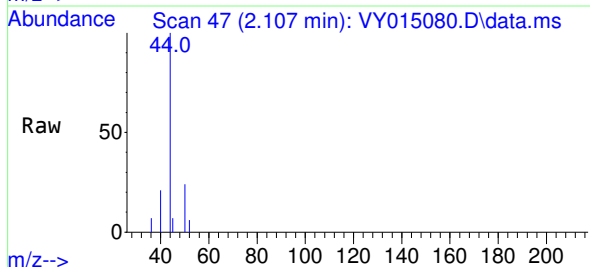
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

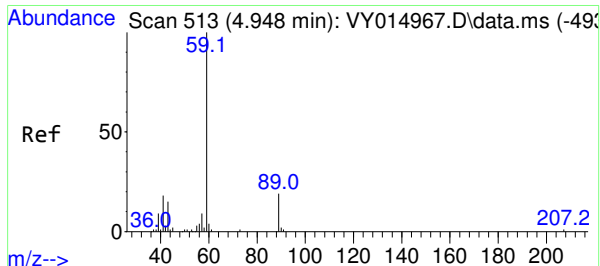
Tgt Ion:168 Resp: 87280
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion: 50 Resp: 475
Ion Ratio Lower Upper
50 100
52 24.4 25.4 38.2#

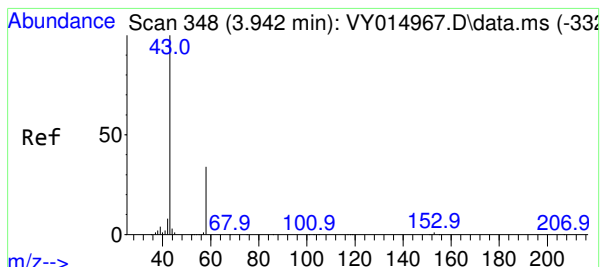
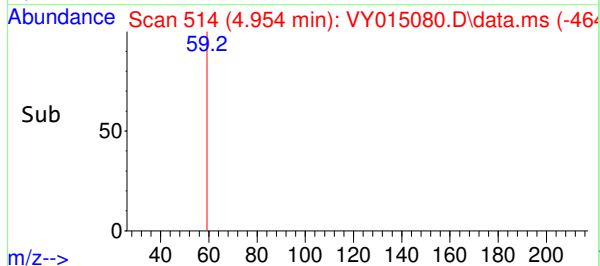
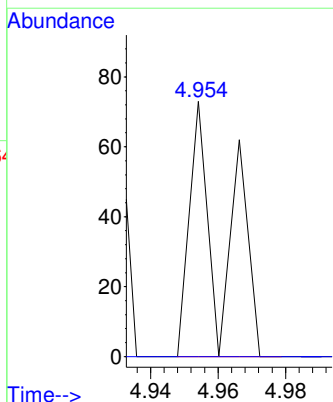
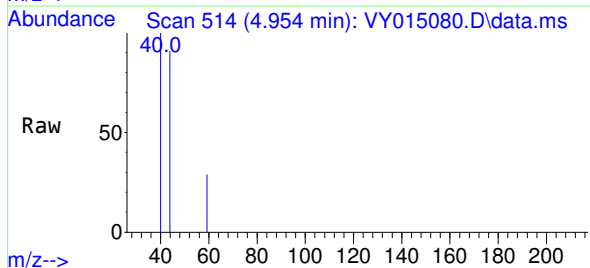




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

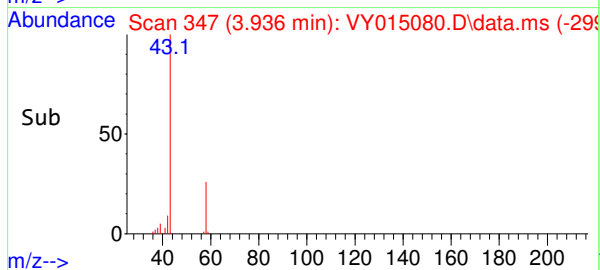
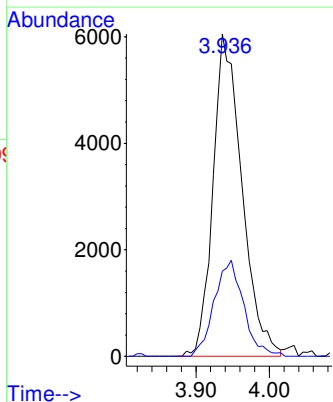
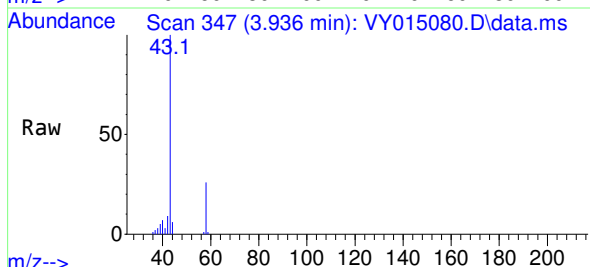
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

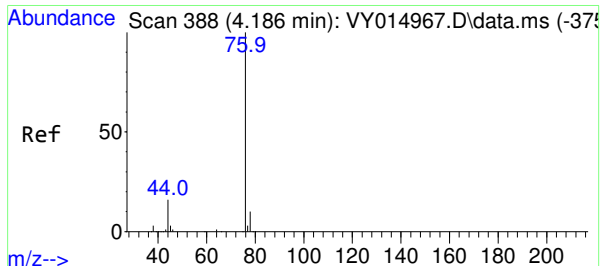
Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 48.20 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion: 43 Resp: 16498
Ion Ratio Lower Upper
43 100
58 26.4 22.7 34.1

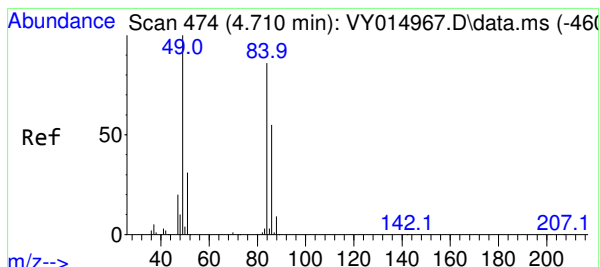
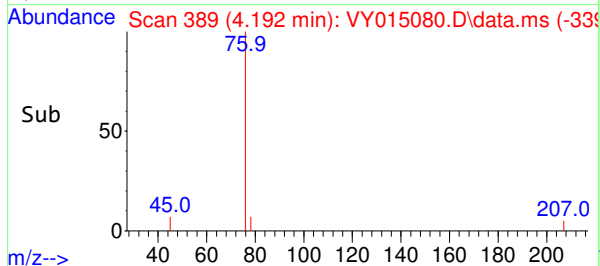
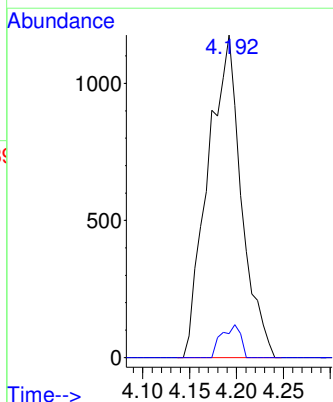
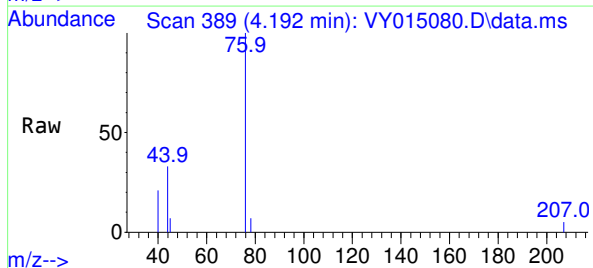




#17
Carbon Disulfide
Concen: 2.73 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

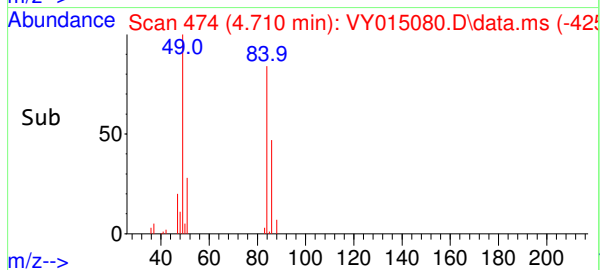
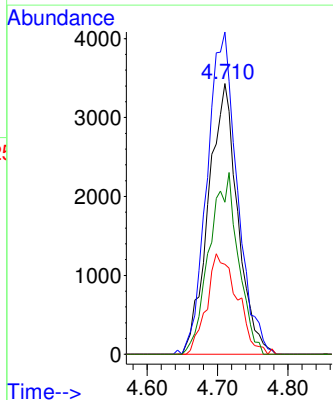
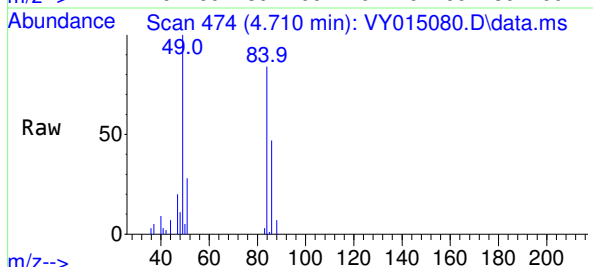
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

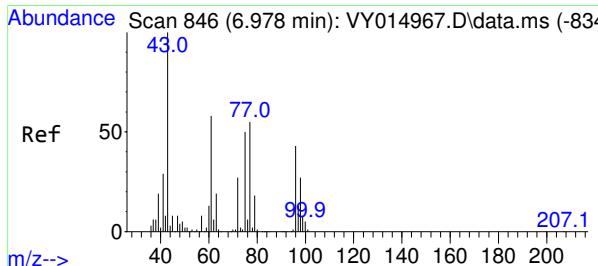
Tgt Ion: 76 Resp: 2917
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.4



#20
Methylene Chloride
Concen: 8.50 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion: 84 Resp: 9915
Ion Ratio Lower Upper
84 100
49 119.1 106.9 160.3
51 33.3 33.2 49.8
86 56.2 51.0 76.6

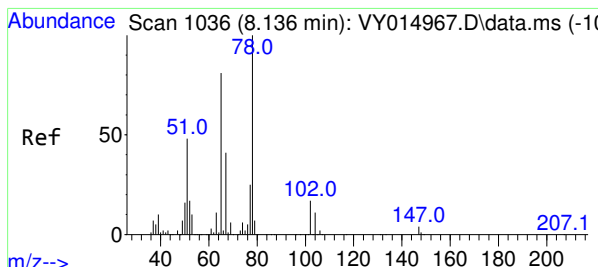
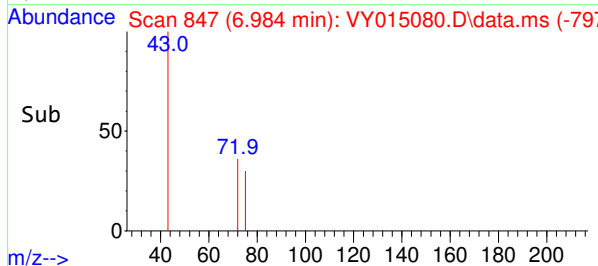
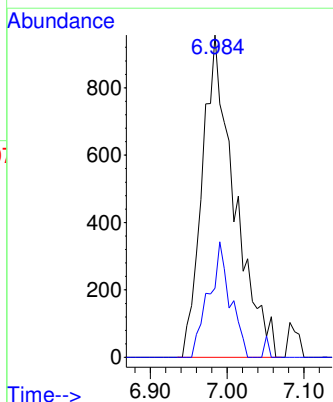
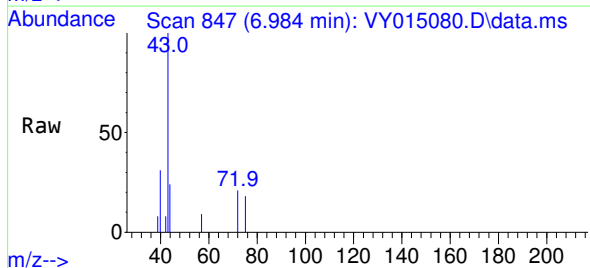




#25
2-Butanone
Concen: 5.78 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

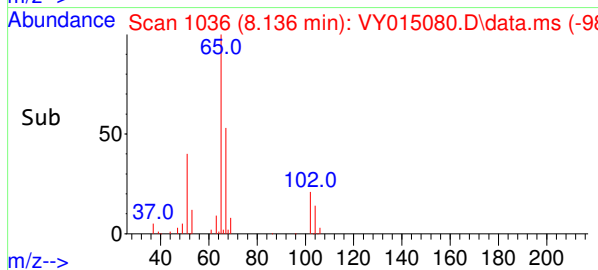
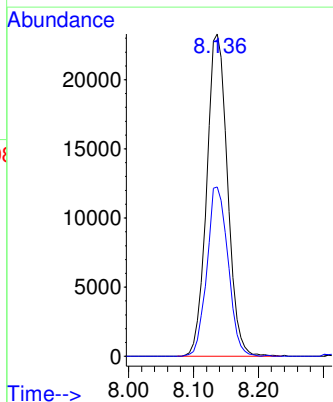
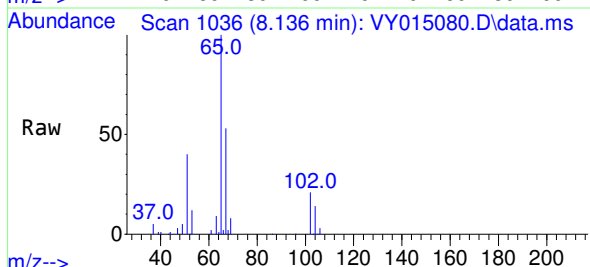
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

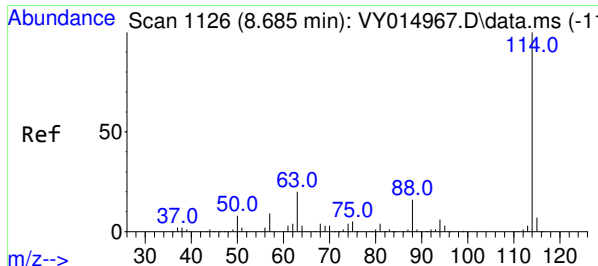
Tgt Ion: 43 Resp: 2799
Ion Ratio Lower Upper
43 100
72 21.4 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 49.57 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion: 65 Resp: 51930
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8

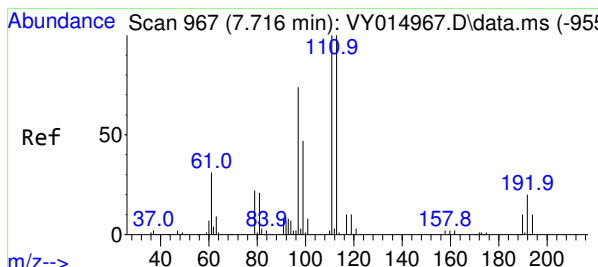
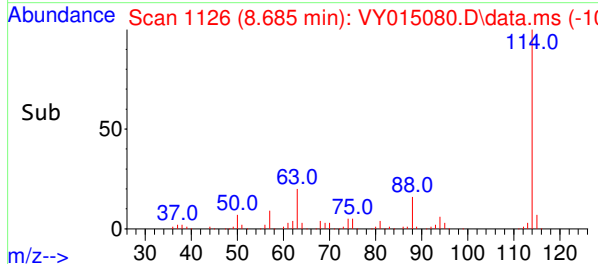
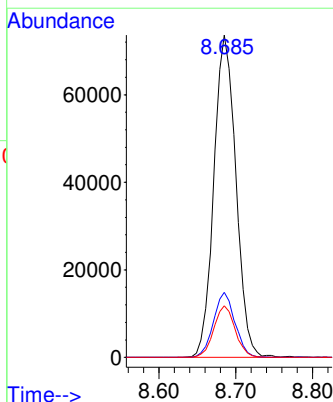
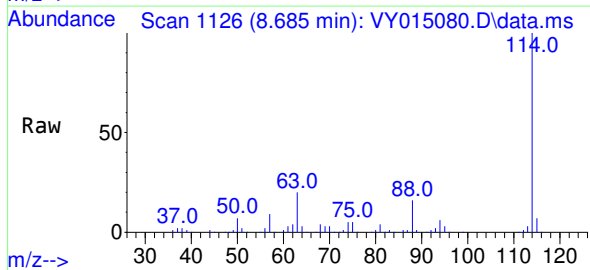




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.685 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

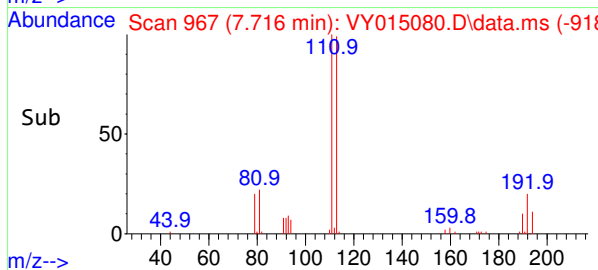
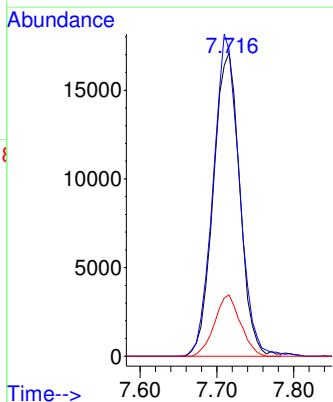
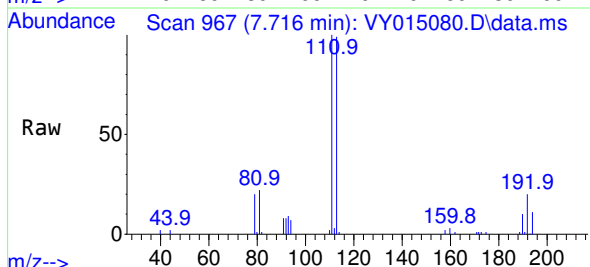
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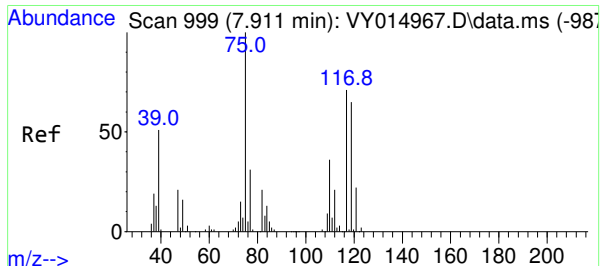
Tgt Ion:	114	Resp:	147269
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.4
88	16.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 43.29 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion:	113	Resp:	41016
Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.3	121.9
192	19.8	16.9	25.3

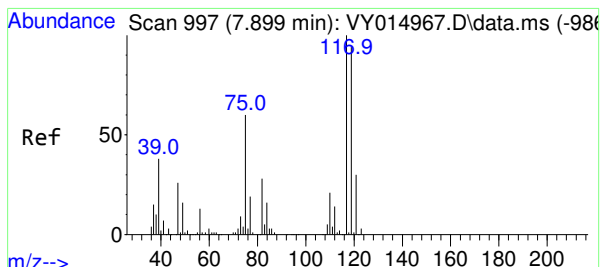
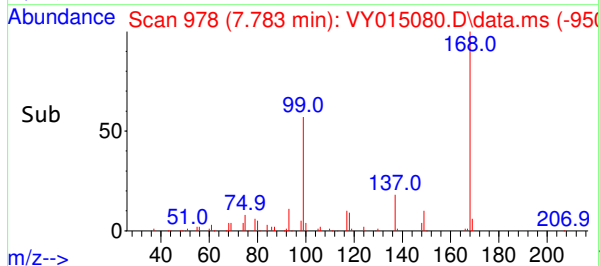
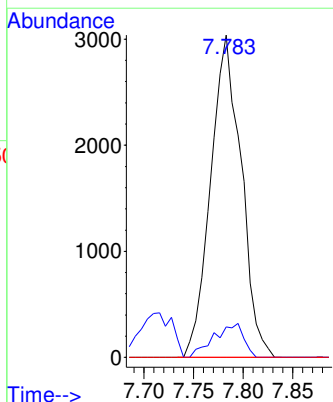
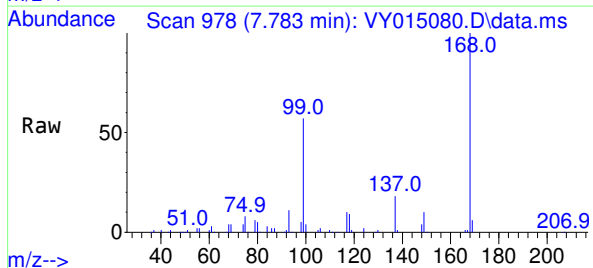




#36
1,1-Dichloropropene
Concen: 6.23 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

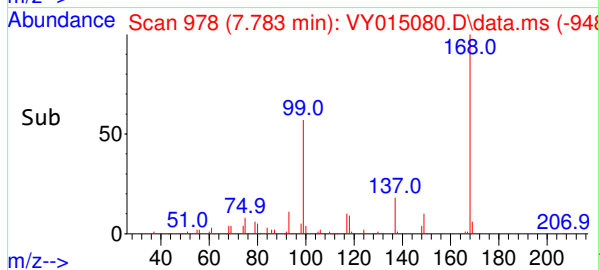
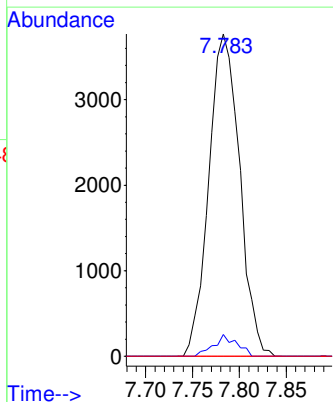
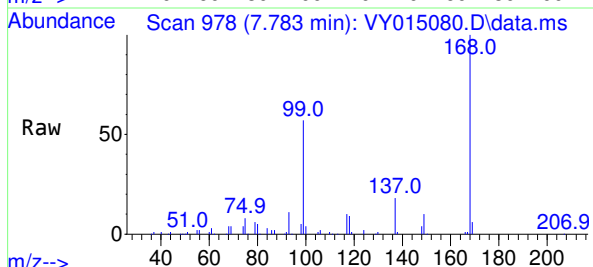
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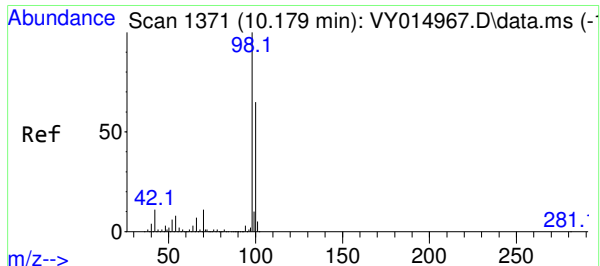
Tgt Ion: 75 Resp: 6525
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.94 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion: 117 Resp: 8610
Ion Ratio Lower Upper
117 100
119 6.8 76.4 114.6#
121 0.0 25.8 38.6#

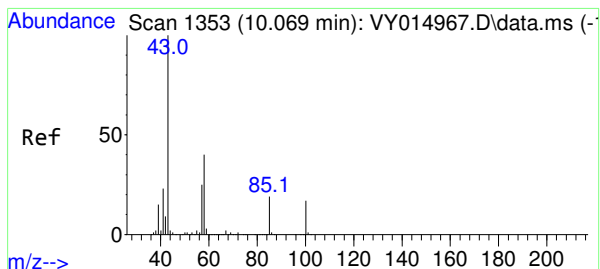
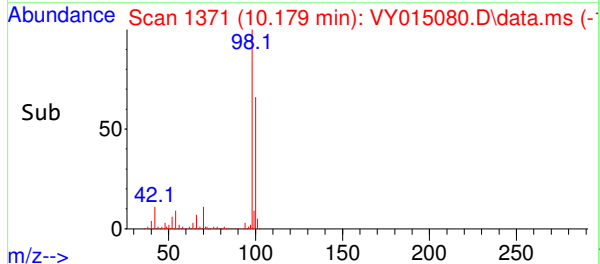
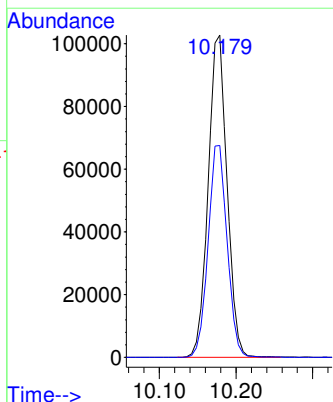
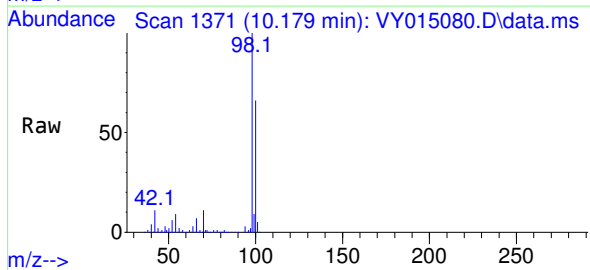




#50
Toluene-d8
Concen: 49.88 ug/l
RT: 10.179 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

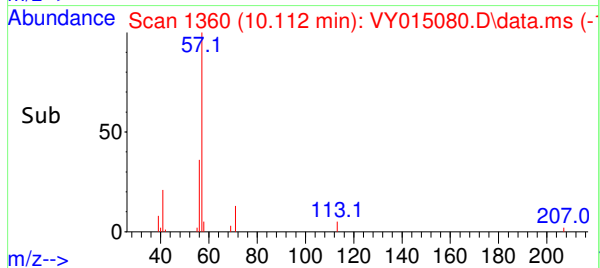
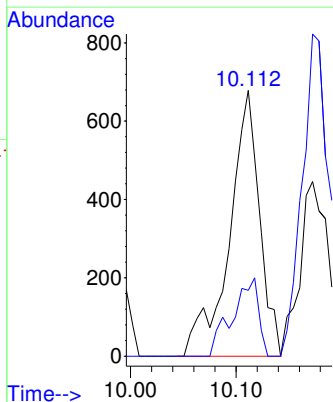
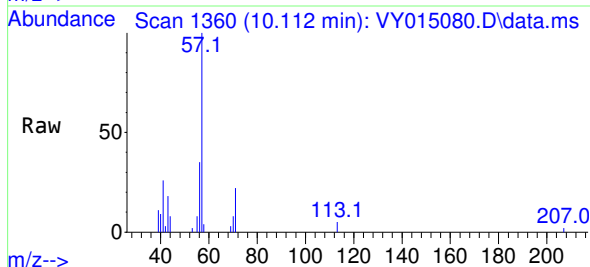
Instrument :
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ClientSampleId :
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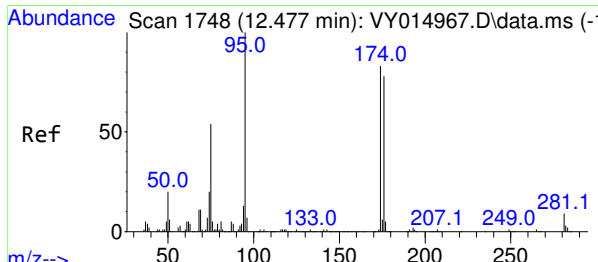
Tgt Ion: 98 Resp: 175913
Ion Ratio Lower Upper
98 100
100 66.3 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.31 ug/l
RT: 10.112 min Scan# 1360
Delta R.T. 0.043 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion: 43 Resp: 1349
Ion Ratio Lower Upper
43 100
58 25.6 29.0 43.6#

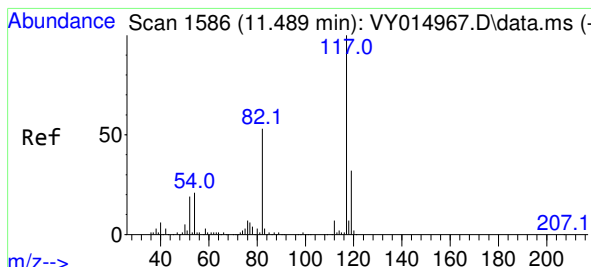
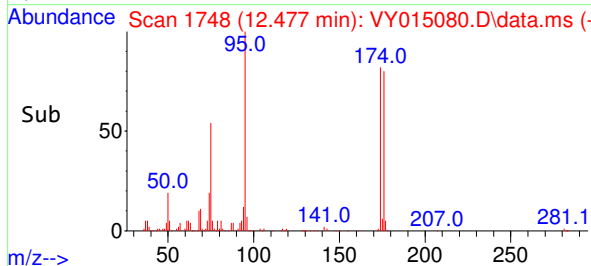
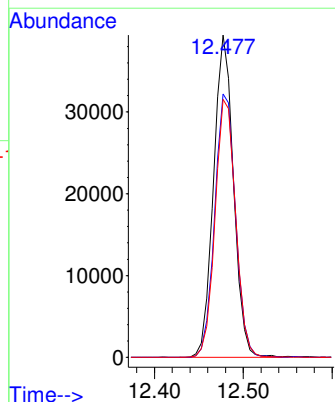
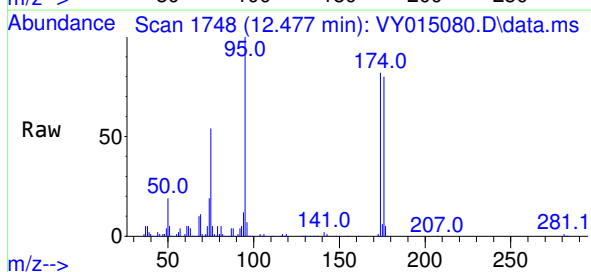




#62
4-Bromofluorobenzene
Concen: 47.96 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

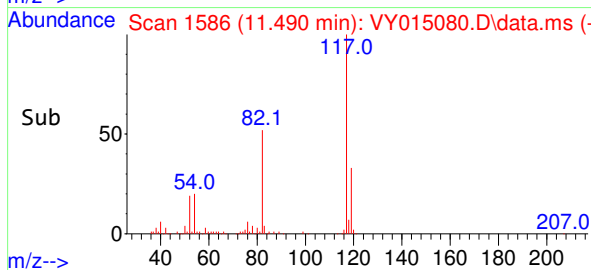
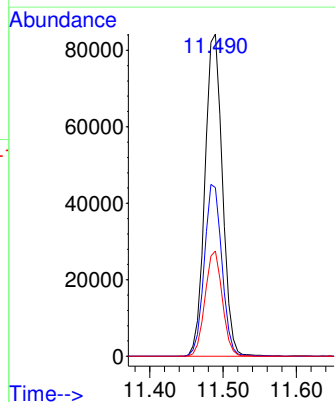
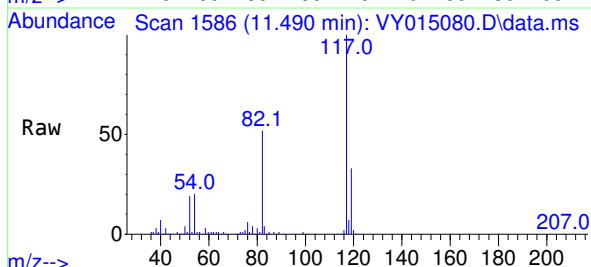
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

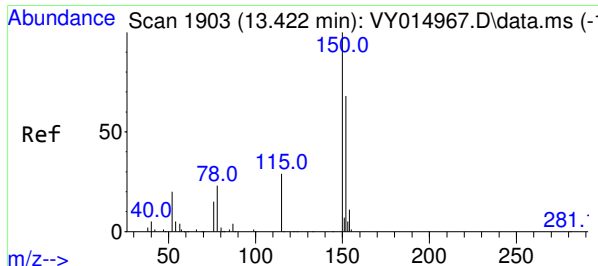
Tgt Ion:	95	Resp:	61775
Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	178.2
176	82.7	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion:	117	Resp:	139576
Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.4	65.0
119	32.7	26.3	39.5

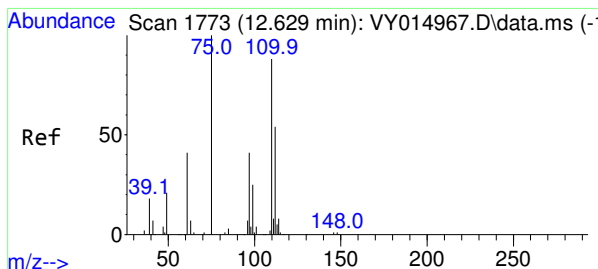
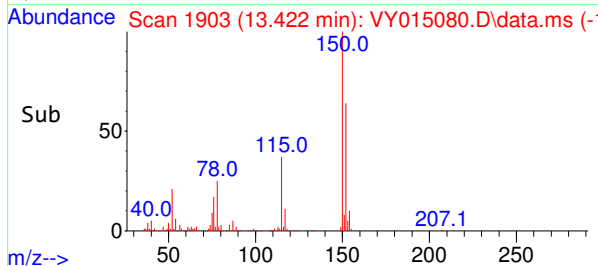
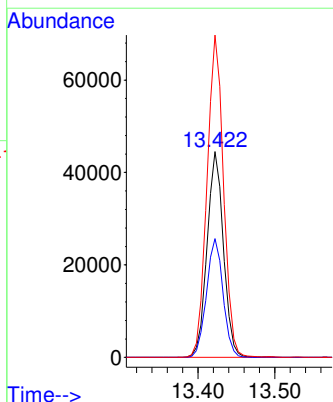
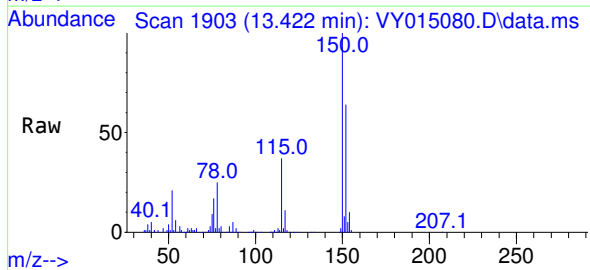




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

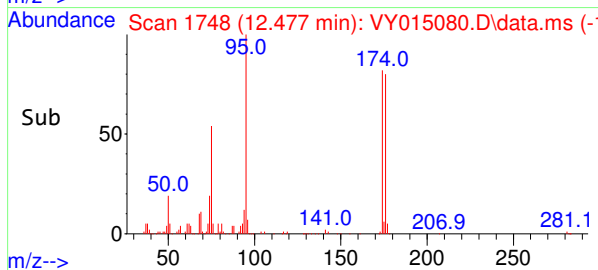
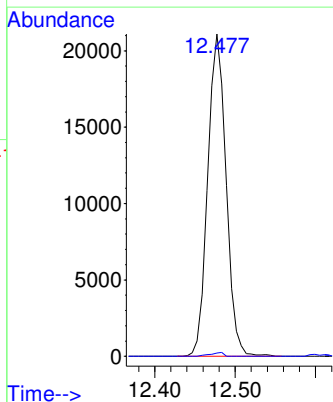
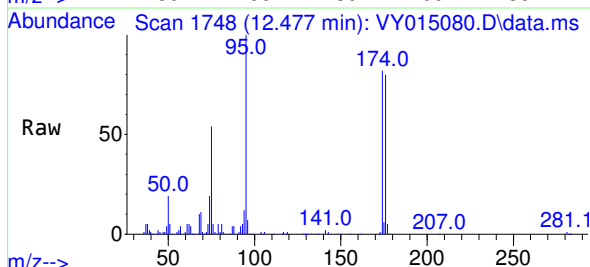
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

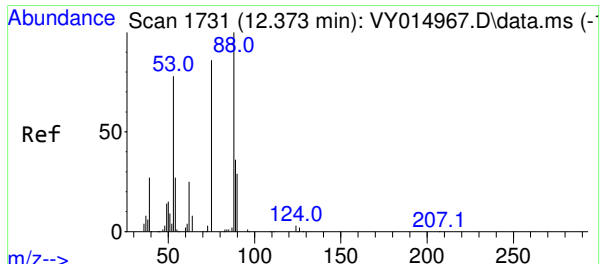
Tgt Ion:152 Resp: 66157
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 157.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 41.65 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion: 75 Resp: 33479
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

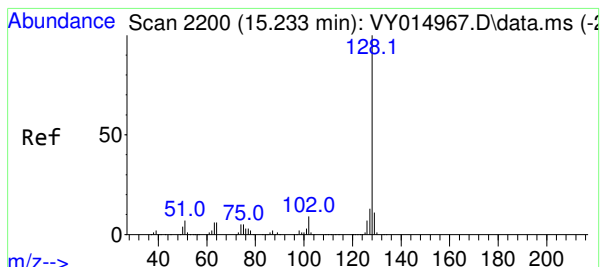
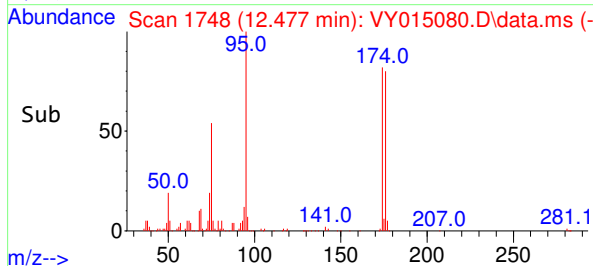
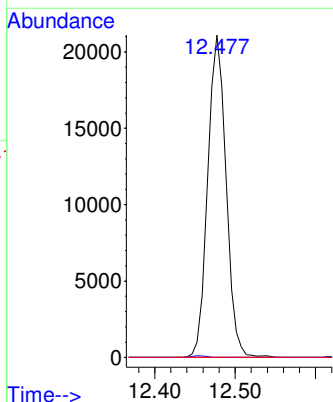
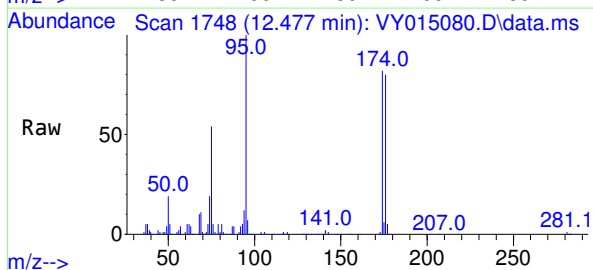




#81
trans-1,4-Dichloro-2-butene
Concen: 91.49 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

Tgt Ion: 75 Resp: 33479
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 6.41 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015080.D
Acq: 14 Aug 2023 15:36

Tgt Ion: 128 Resp: 19698
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.2 8.6 13.0

