

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015078.D
 Acq On : 14 Aug 2023 14:49
 Operator : SY/MD
 Sample : 03974-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-081023

Quant Time: Aug 14 15:02:03 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)

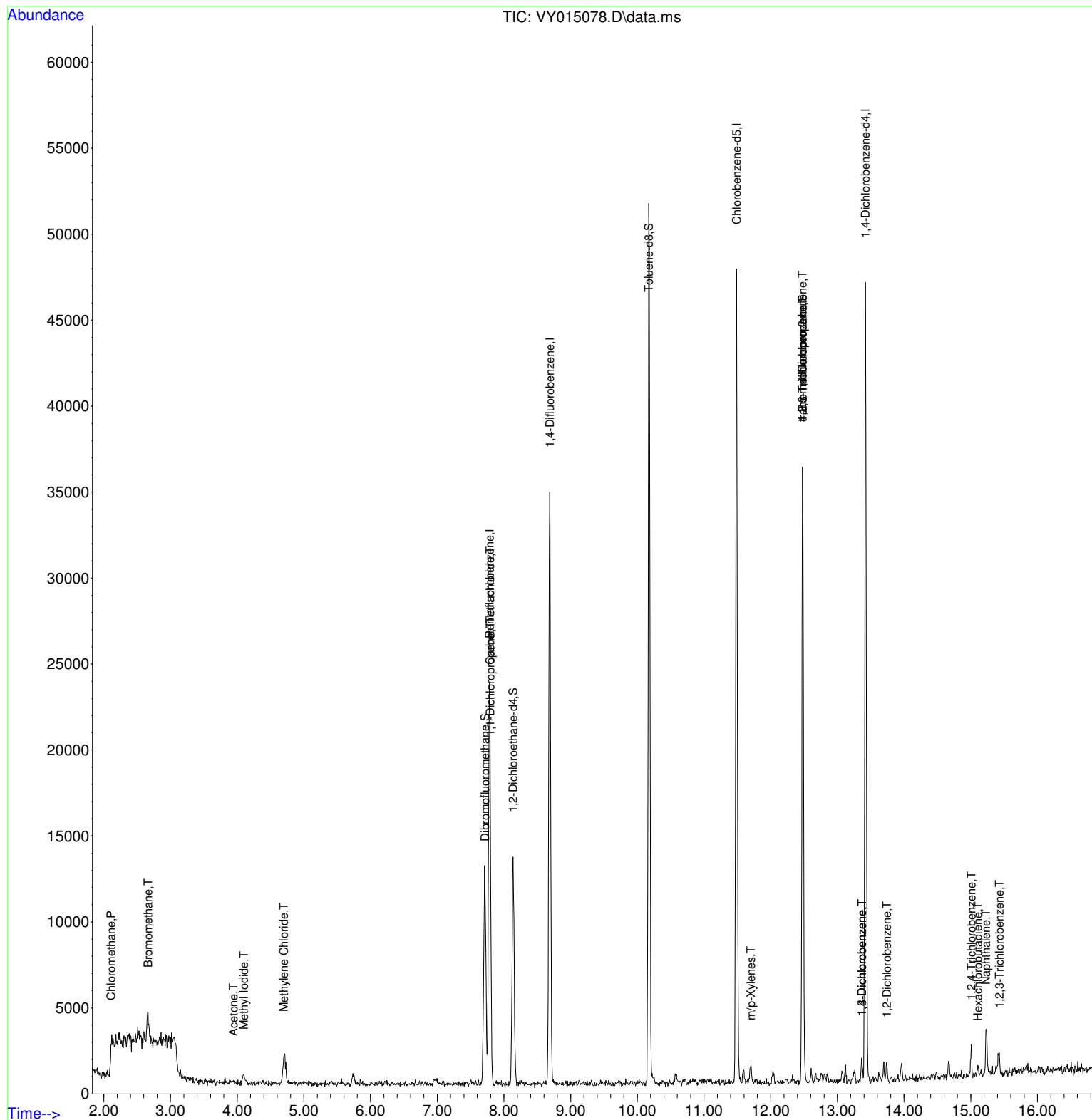
Internal Standards						
1) Pentafluorobenzene	7.783	168	18504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	30086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	25677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12178	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	10227	46.04	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.08%		
35) Dibromofluoromethane	7.716	113	8531	44.08	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.16%		
50) Toluene-d8	10.173	98	33930	47.09	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.18%		
62) 4-Bromofluorobenzene	12.477	95	11271	42.83	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.66%		
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	581	1.56	ug/l #	80
5) Bromomethane	2.662	94	1023	8.14	ug/l	93
10) Methyl Iodide	4.101	142	1058	6.99	ug/l #	56
13) Acrolein	3.741	56	30	Below Cal	#	14
16) Acetone	3.942	43	290	4.00	ug/l #	46
20) Methylene Chloride	4.698	84	1384	3.98	ug/l	90
31) Cyclohexane	7.765	56	479	Below Cal	#	59
36) 1,1-Dichloropropene	7.795	75	1344	6.28	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1831	7.23	ug/l #	12
68) m/p-Xylenes	11.703	106	433	1.39	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	6187	41.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	6187	91.85	ug/l #	10
87) 1,3-Dichlorobenzene	13.367	146	610	1.61	ug/l	78
88) 1,4-Dichlorobenzene	13.367	146	610	1.61	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	424	1.20	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	590	2.60	ug/l	91
94) Hexachlorobutadiene	15.105	225	232	1.88	ug/l #	65
95) Naphthalene	15.227	128	2658	4.70	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	546	2.66	ug/l #	76

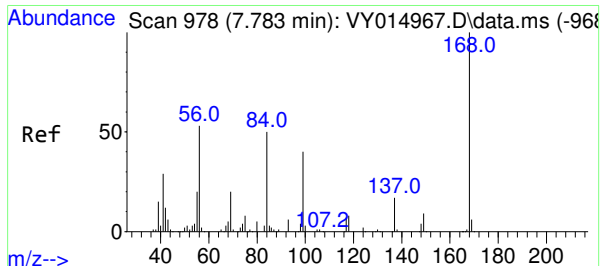
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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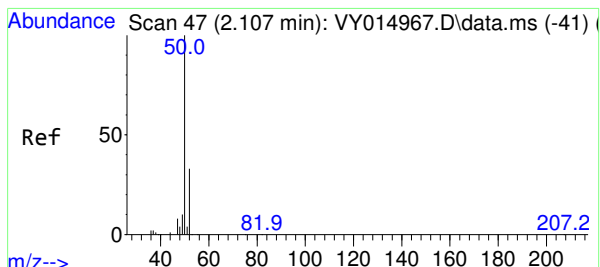
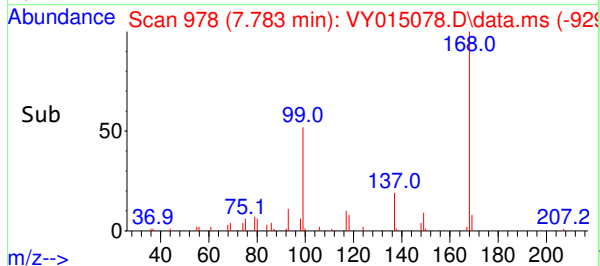
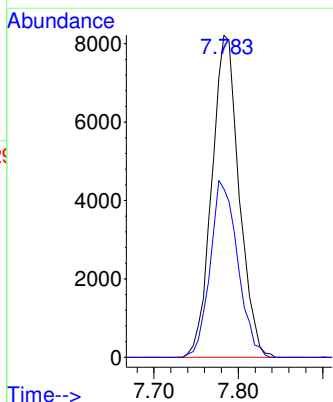
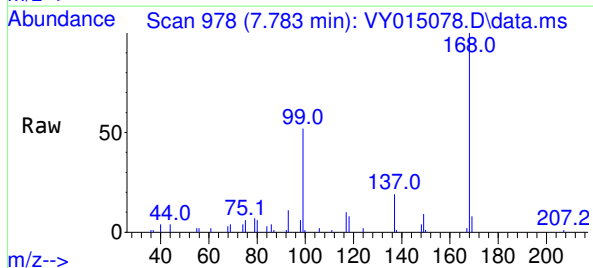




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

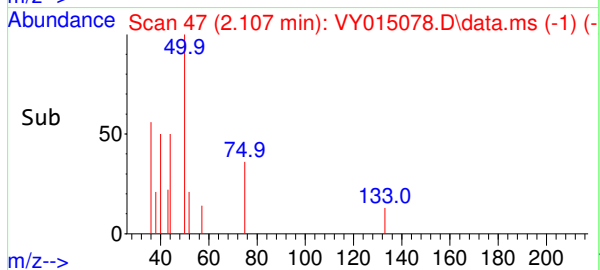
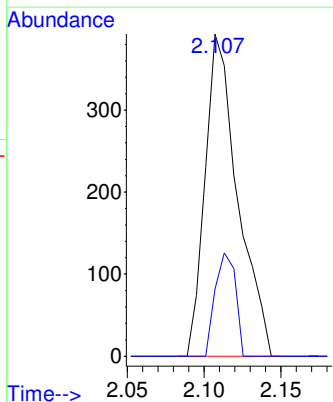
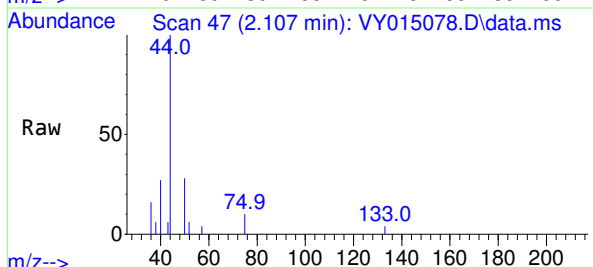
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

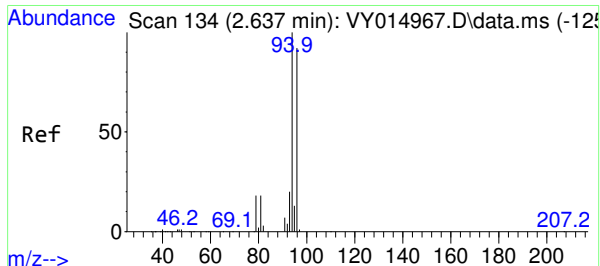
Tgt Ion:168 Resp: 18504
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#3
Chloromethane
Concen: 1.56 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion: 50 Resp: 581
Ion Ratio Lower Upper
50 100
52 20.9 25.4 38.2#

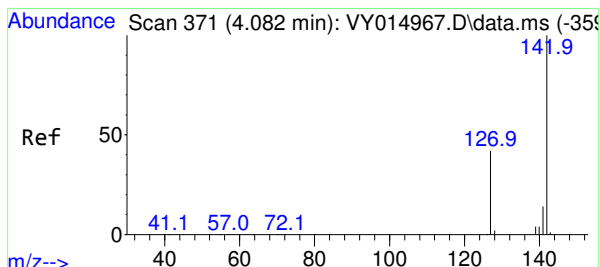
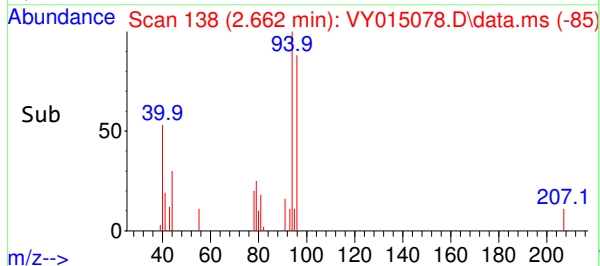
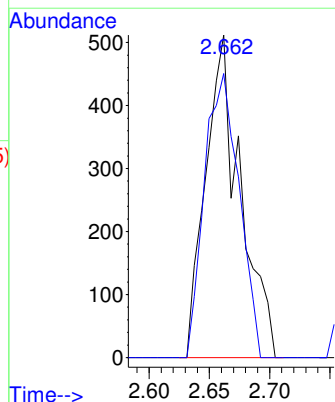
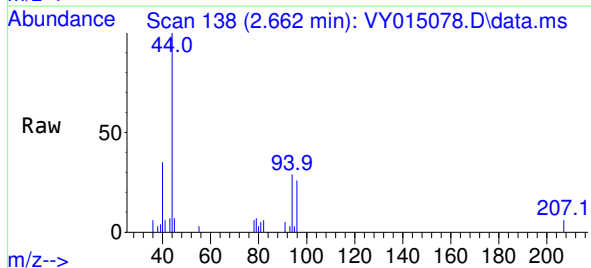




#5
Bromomethane
Concen: 8.14 ug/l
RT: 2.662 min Scan# 1
Delta R.T. 0.025 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

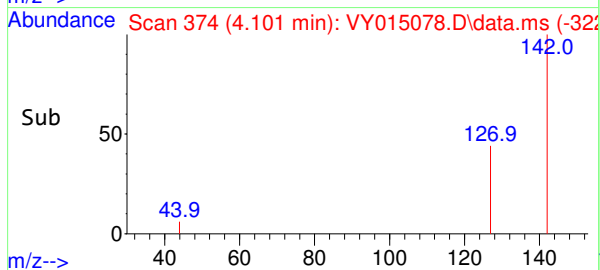
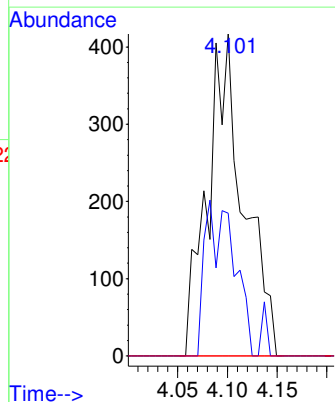
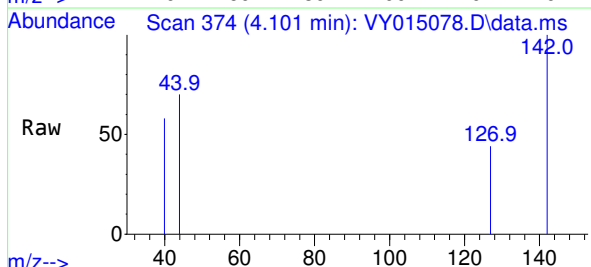
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

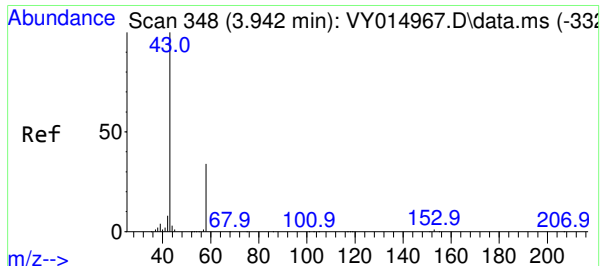
Tgt Ion: 94 Resp: 1023
Ion Ratio Lower Upper
94 100
96 88.1 75.8 113.6



#10
Methyl Iodide
Concen: 6.99 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion:142 Resp: 1058
Ion Ratio Lower Upper
142 100
127 16.1 37.6 56.4#
141 0.0 11.8 17.8#

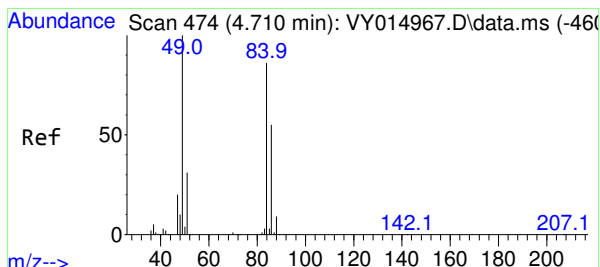
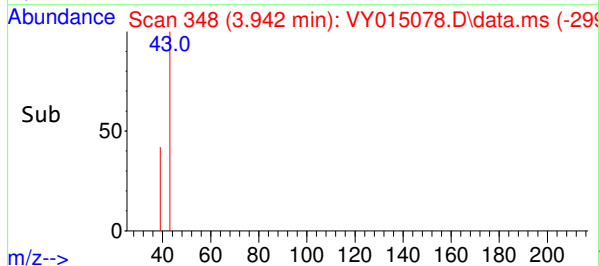
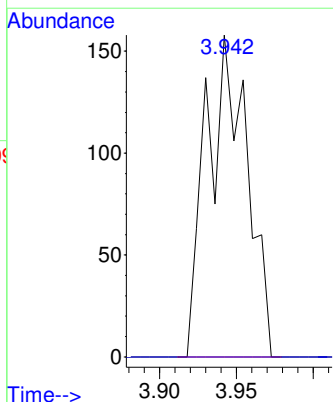
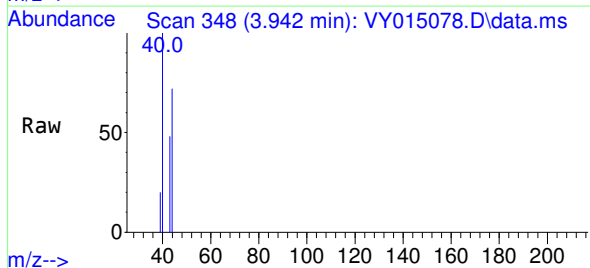




#16
Acetone
Concen: 4.00 ug/l
RT: 3.942 min Scan# 312
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

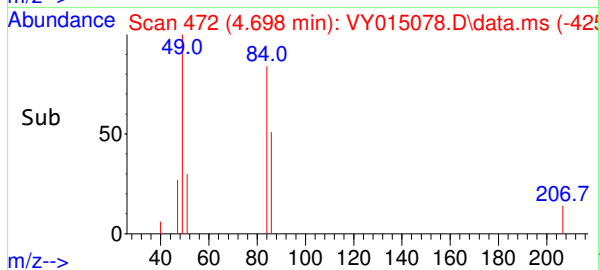
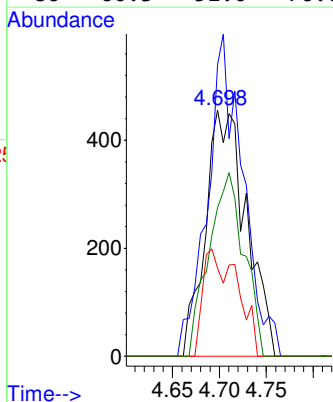
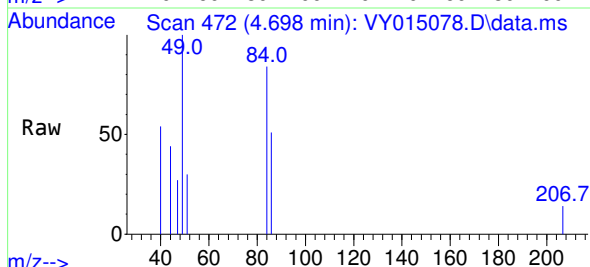
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

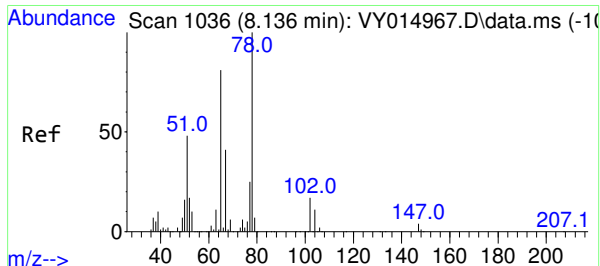
Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 3.98 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion: 84 Resp: 1384
Ion Ratio Lower Upper
84 100
49 118.4 106.9 160.3
51 35.7 33.2 49.8
86 60.3 51.0 76.6

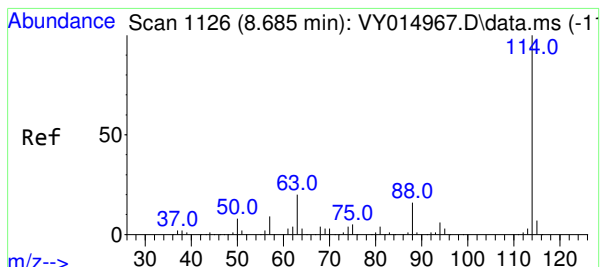
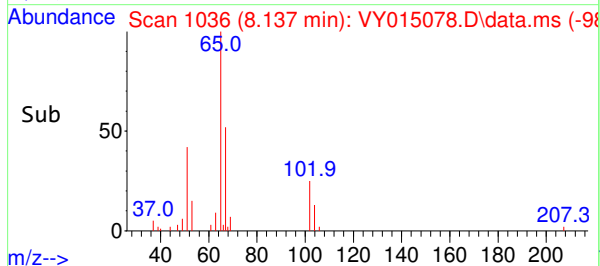
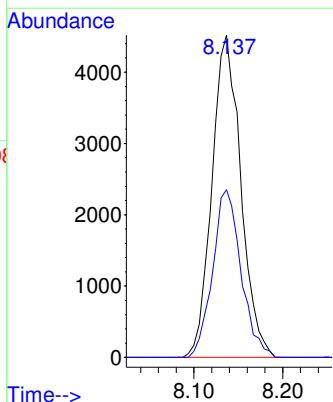
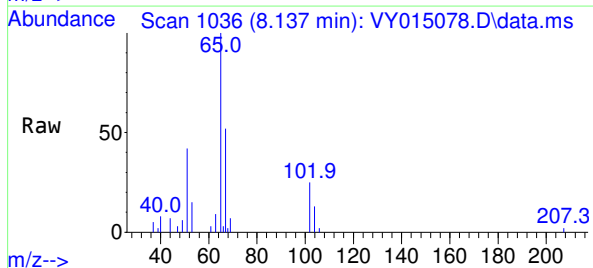




#33
1,2-Dichloroethane-d4
Concen: 46.04 ug/l
RT: 8.137 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

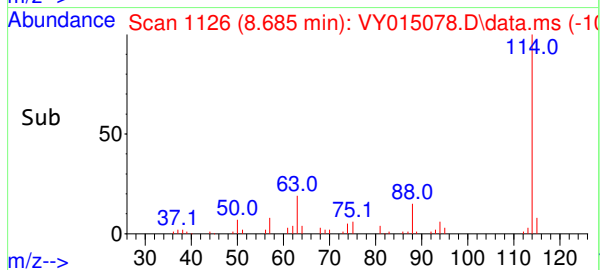
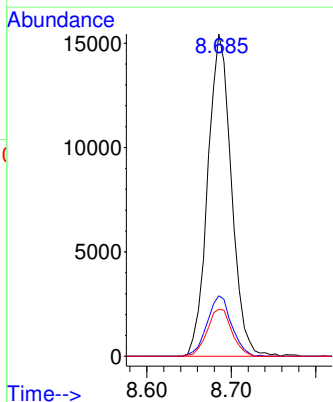
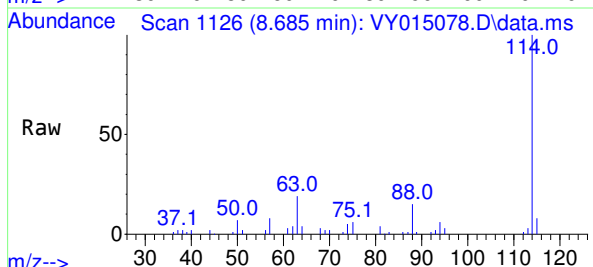
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

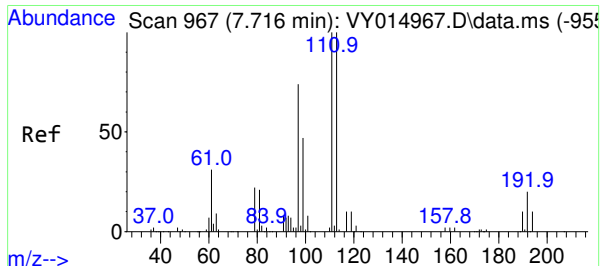
Tgt Ion: 65 Resp: 10227
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion:114 Resp: 30086
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 14.7 0.0 30.6

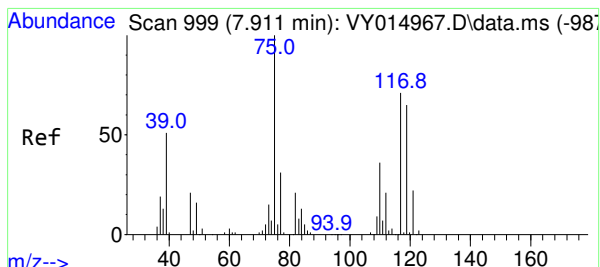
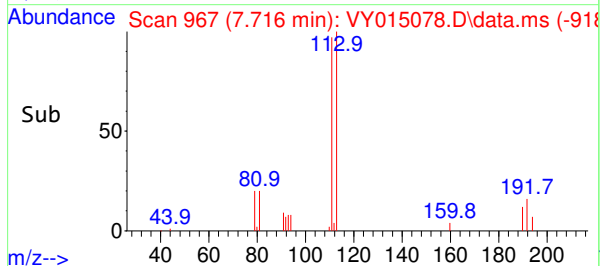
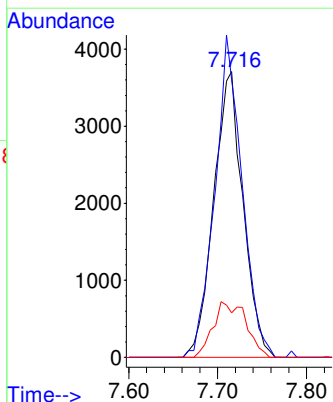
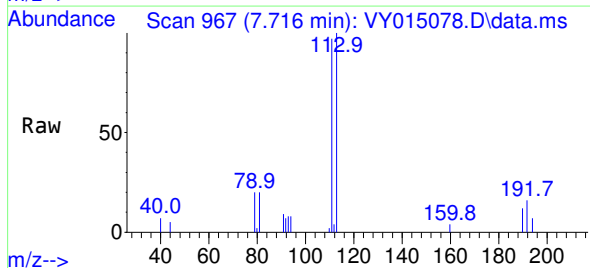




#35
Dibromofluoromethane
Concen: 44.08 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

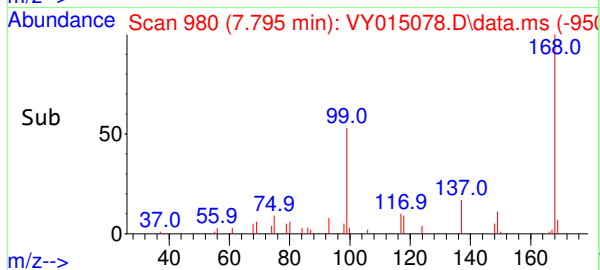
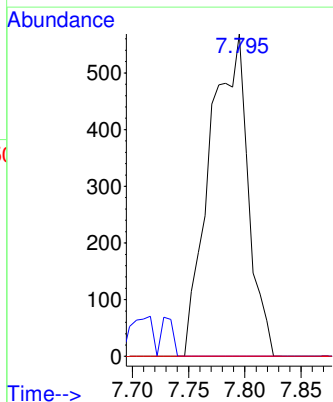
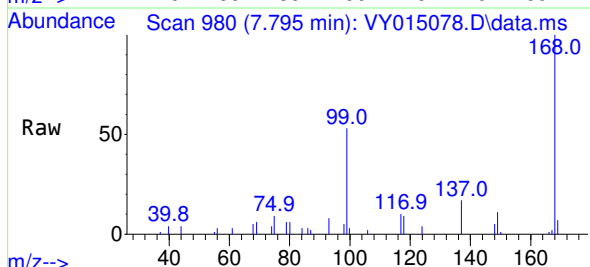
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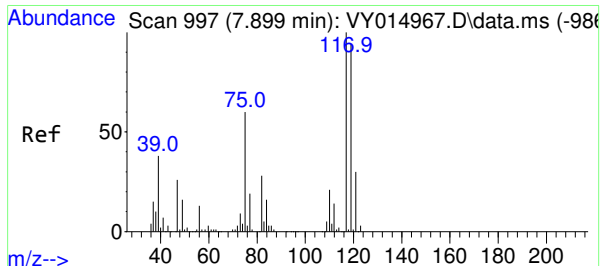
Tgt Ion:	113	Resp:	8531
Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.3	121.9
192	21.8	16.9	25.3



#36
1,1-Dichloropropene
Concen: 6.28 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion:	75	Resp:	1344
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.5#
77	0.0	24.4	36.6#

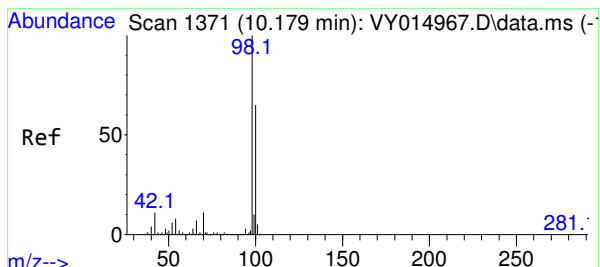
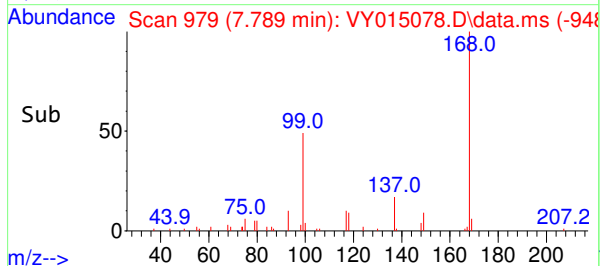
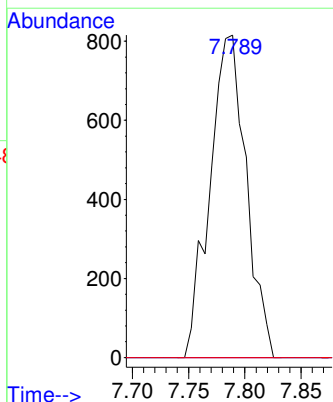
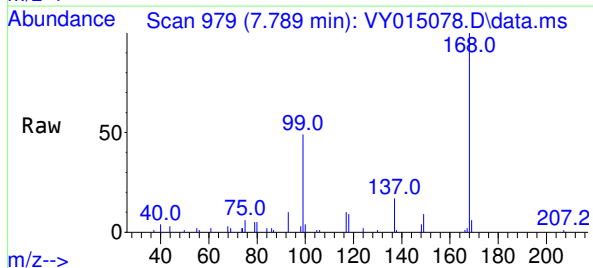




#38
Carbon Tetrachloride
Concen: 7.23 ug/l
RT: 7.789 min Scan# 997
Delta R.T. -0.110 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

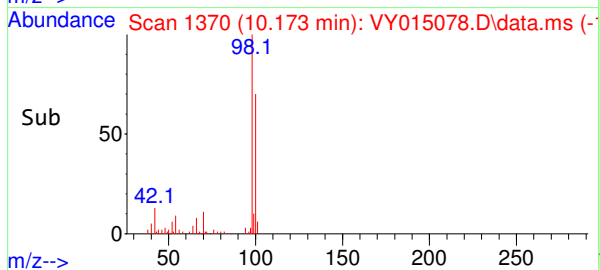
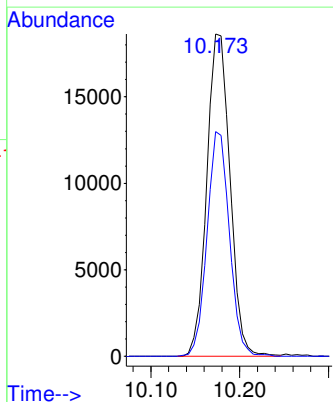
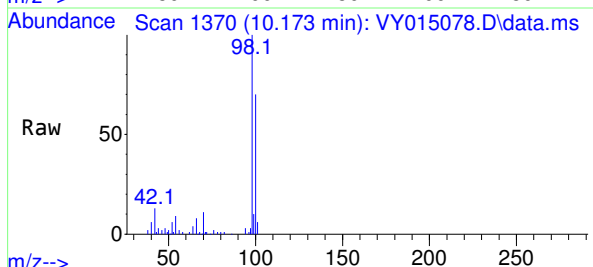
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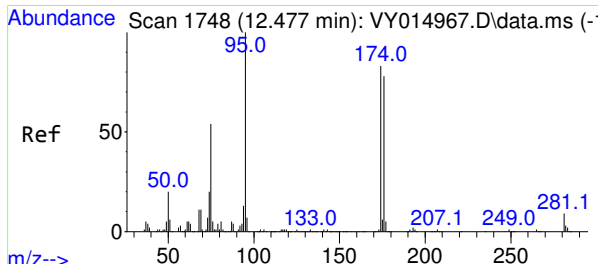
Tgt Ion: 117 Resp: 1831
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.09 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion: 98 Resp: 33930
Ion Ratio Lower Upper
98 100
100 67.1 50.1 75.1

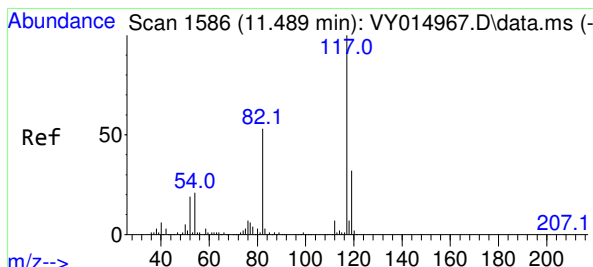
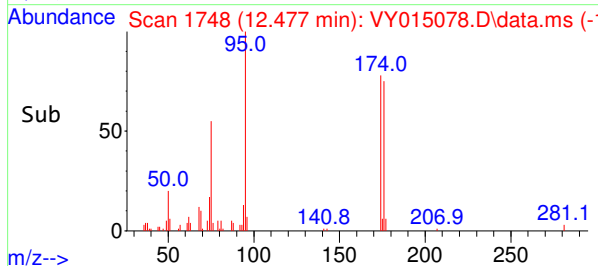
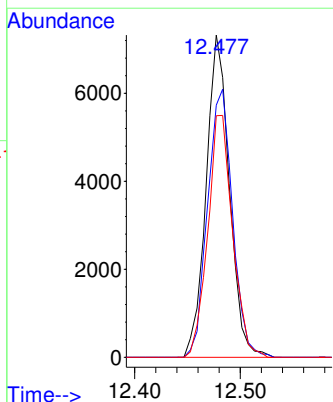
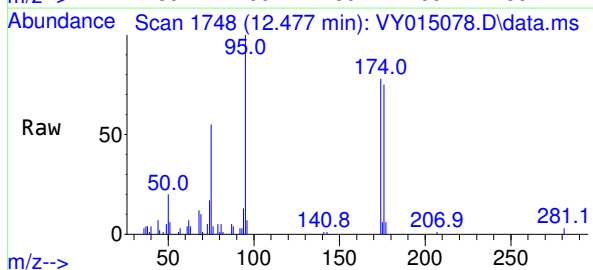




#62
4-Bromofluorobenzene
Concen: 42.83 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

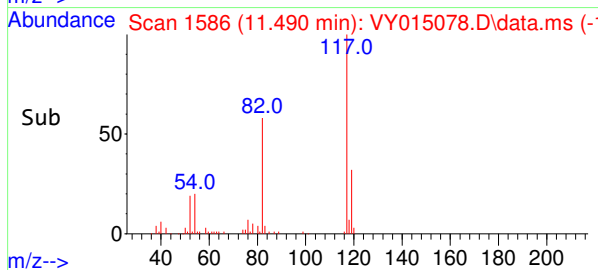
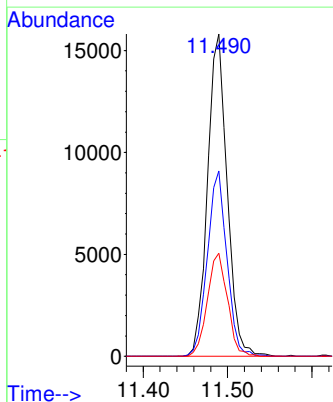
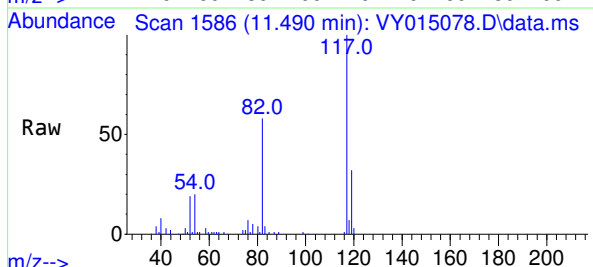
Instrument :
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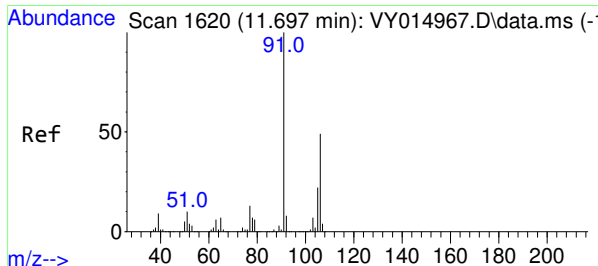
Tgt Ion:	95	Resp:	11271
Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	178.2
176	79.8	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion:	117	Resp:	25677
Ion	Ratio	Lower	Upper
117	100		
82	57.5	43.4	65.0
119	32.0	26.3	39.5

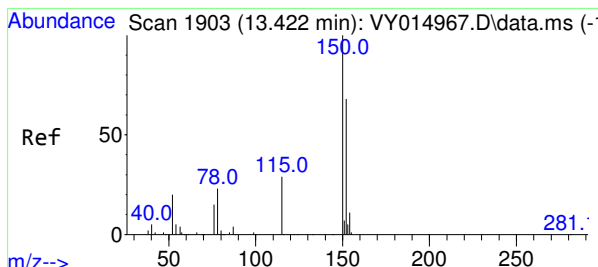
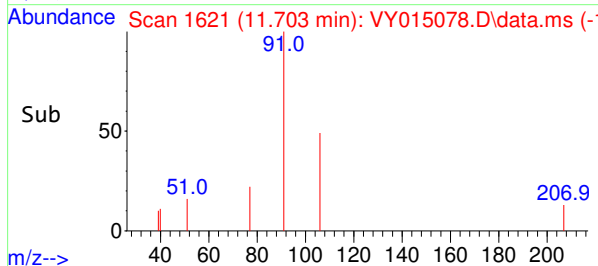
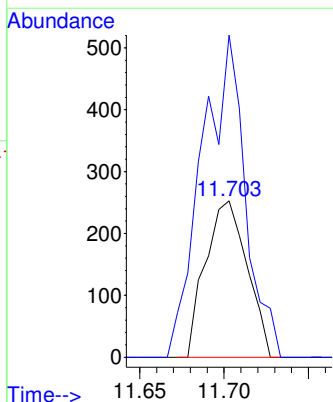
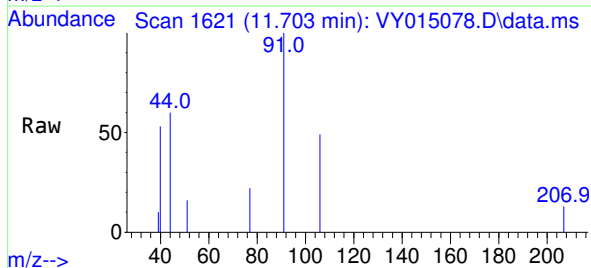




#68
m/p-Xylenes
Concen: 1.39 ug/l
RT: 11.703 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

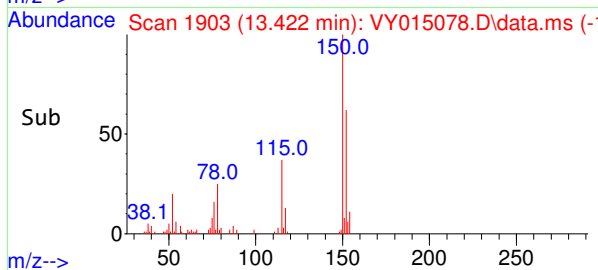
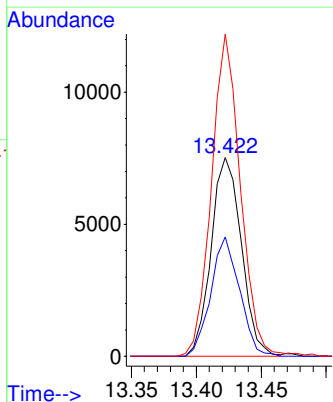
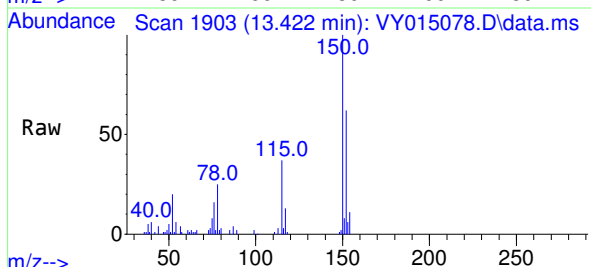
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

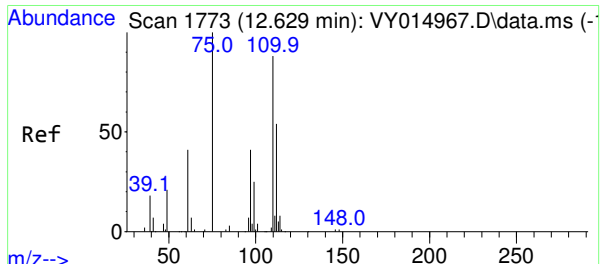
Tgt Ion:106 Resp: 433
Ion Ratio Lower Upper
106 100
91 214.8 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion:152 Resp: 12178
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.5
150 155.4 0.0 348.8

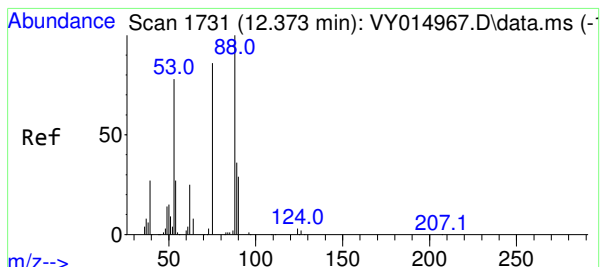
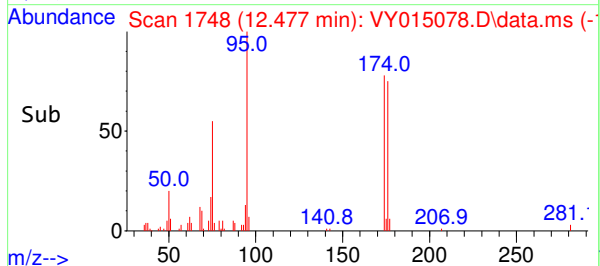
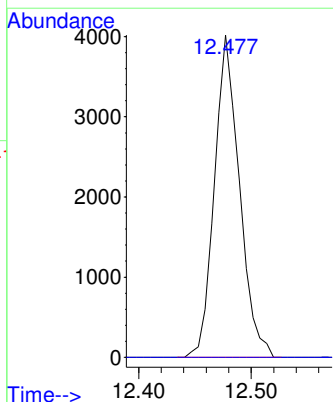
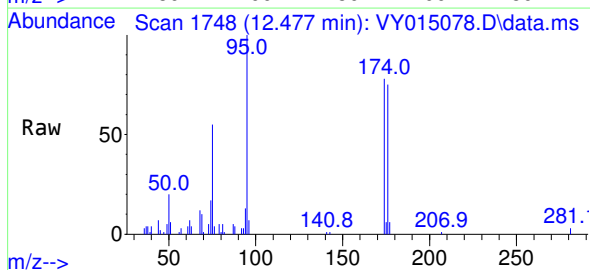




#76
1,2,3-Trichloropropane
Concen: 41.82 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

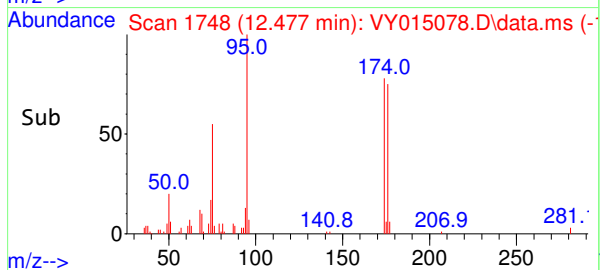
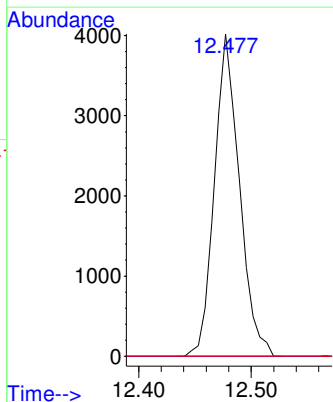
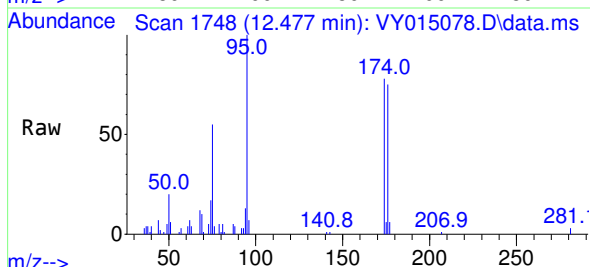
Instrument : MSVOA_Y
ClientSampleId : EO-01-081023

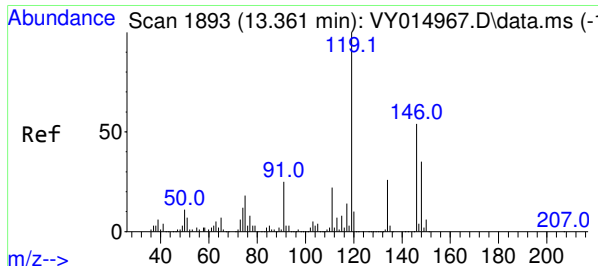
Tgt Ion: 75 Resp: 6187
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 91.85 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion: 75 Resp: 6187
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

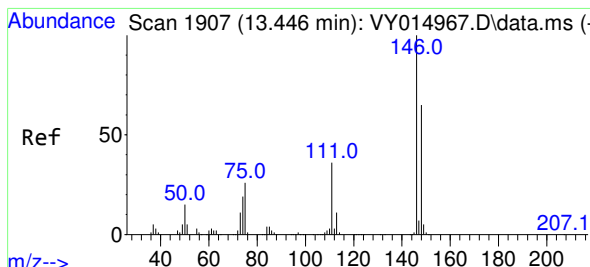
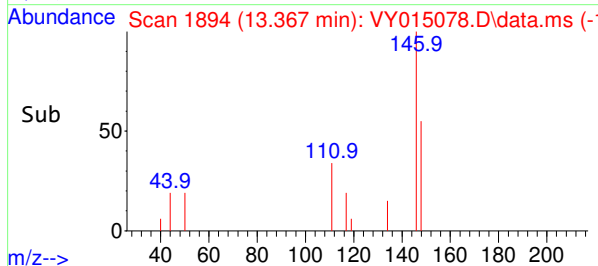
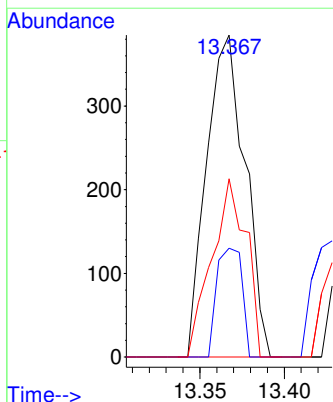
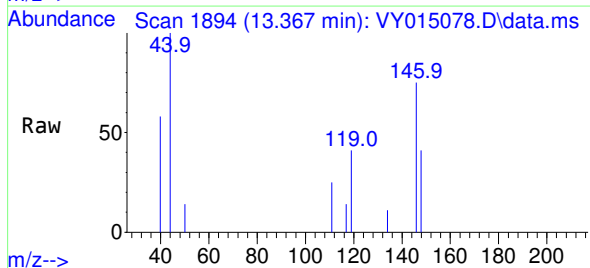




#87
1,3-Dichlorobenzene
Concen: 1.61 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

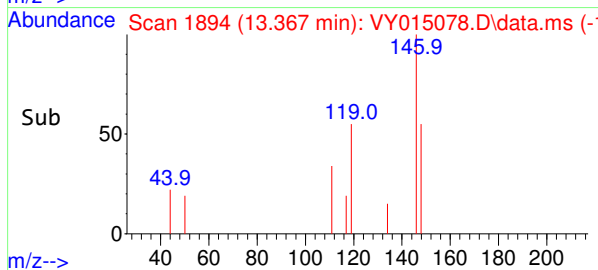
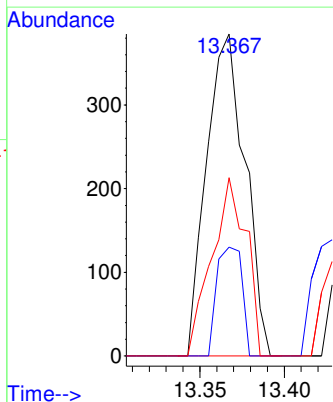
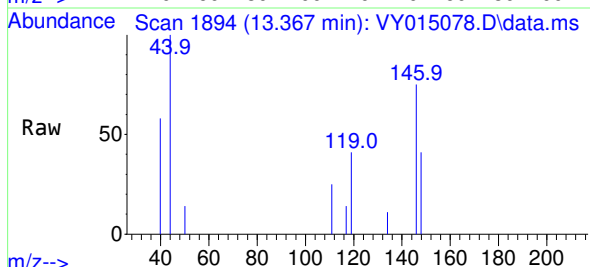
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

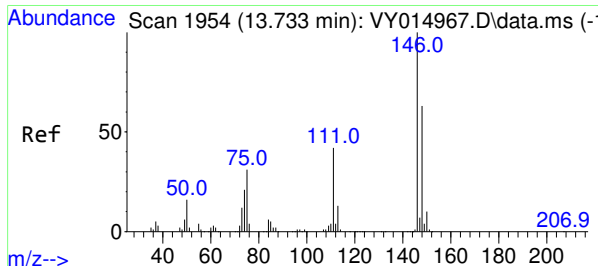
Tgt Ion:	146	Resp:	610
Ion	Ratio	Lower	Upper
146	100		
111	22.3	19.4	58.2
148	49.5	31.9	95.5



#88
1,4-Dichlorobenzene
Concen: 1.61 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.079 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion:	146	Resp:	610
Ion	Ratio	Lower	Upper
146	100		
111	22.3	18.9	56.7
148	49.5	32.1	96.5

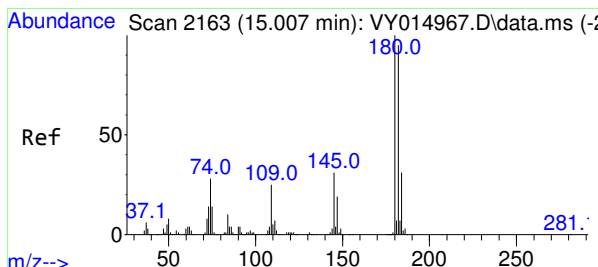
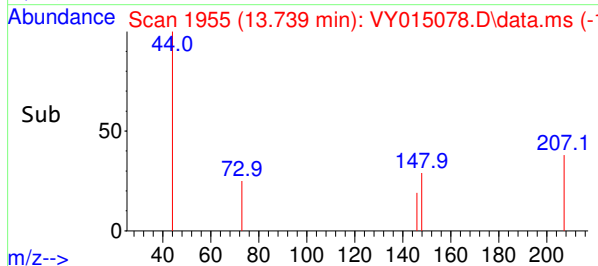
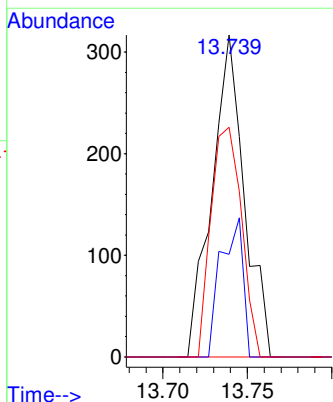
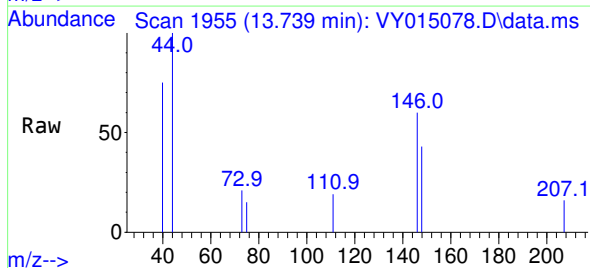




#91
1,2-Dichlorobenzene
Concen: 1.20 ug/l
RT: 13.739 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

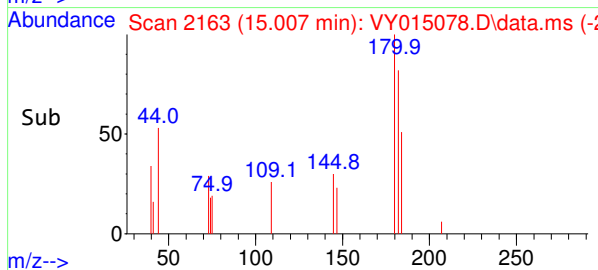
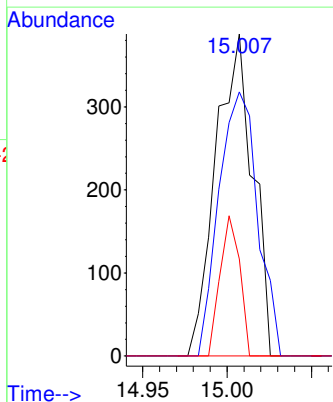
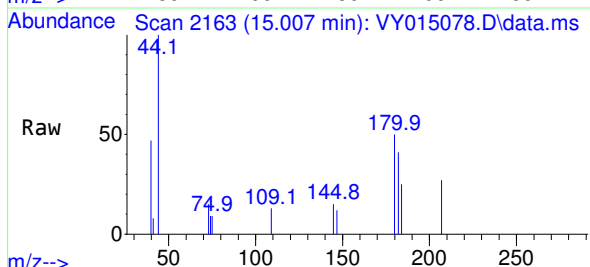
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

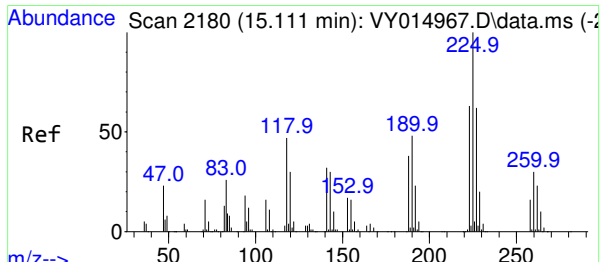
Tgt Ion:	146	Resp:	424
Ion	Ratio	Lower	Upper
146	100		
111	29.5	19.7	59.0
148	67.2	32.0	96.2



#93
1,2,4-Trichlorobenzene
Concen: 2.60 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion:	180	Resp:	590
Ion	Ratio	Lower	Upper
180	100		
182	86.1	47.0	141.2
145	23.4	14.5	43.5

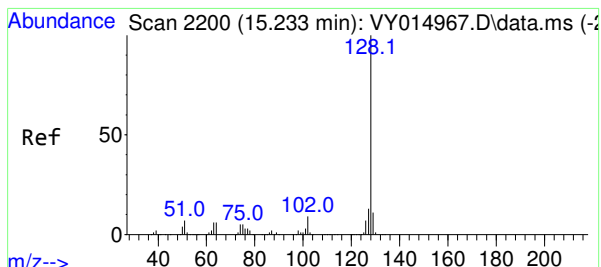
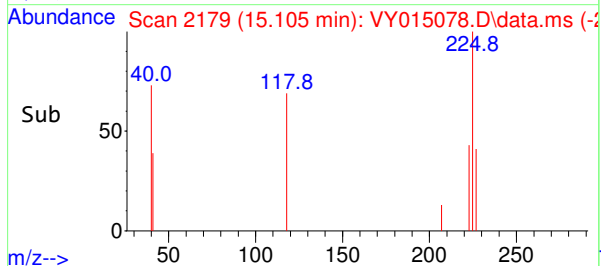
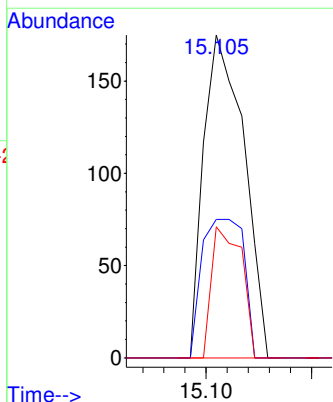
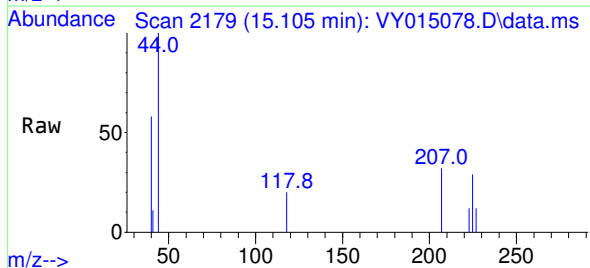




#94
Hexachlorobutadiene
Concen: 1.88 ug/l
RT: 15.105 min Scan# 2179
Delta R.T. -0.006 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

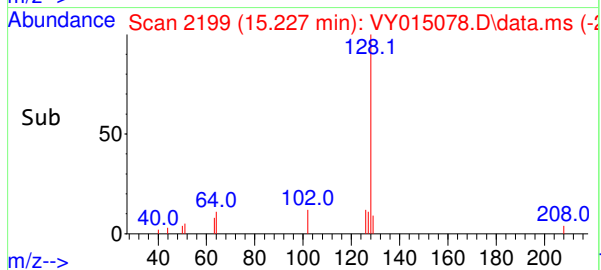
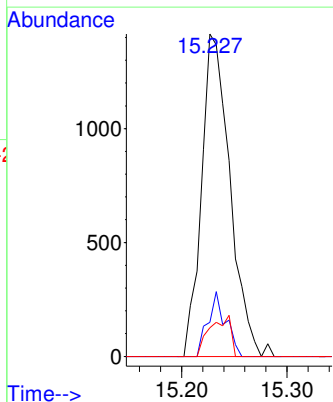
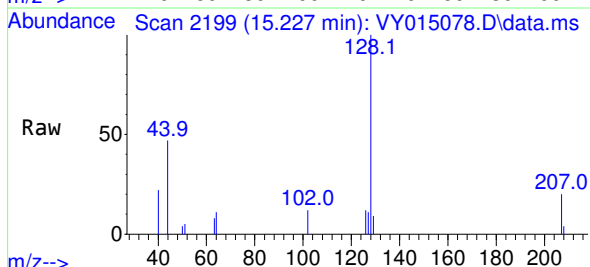
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

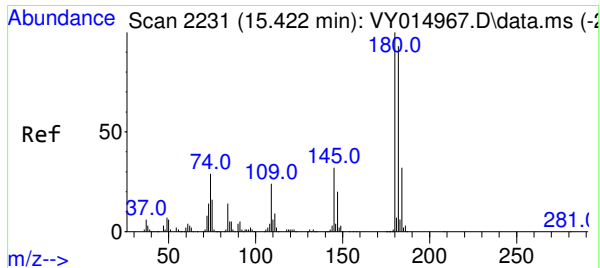
Tgt Ion:	225	Resp:	232
Ion	Ratio	Lower	Upper
225	100		
223	44.8	31.9	95.9
227	30.6	33.0	98.9



#95
Naphthalene
Concen: 4.70 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Tgt Ion:	128	Resp:	2658
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.8	16.2
129	9.4	8.6	13.0





#96
1,2,3-Trichlorobenzene
Concen: 2.66 ug/l
RT: 15.428 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY015078.D
Acq: 14 Aug 2023 14:49

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-081023

Tgt Ion:	180	Resp:	546
Ion	Ratio	Lower	Upper
180	100		
182	116.1	47.3	141.8
145	14.1	15.4	46.2#

