

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013806.D
 Acq On : 18 May 2023 17:39
 Operator : KP/MD
 Sample : 02213-02 5.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 19 03:22:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	232796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	371859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	335446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164696	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	145653	53.860	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.720%	
35) Dibromofluoromethane	7.716	113	122262	51.272	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.540%	
50) Toluene-d8	10.179	98	453016	50.111	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.220%	
62) 4-Bromofluorobenzene	12.477	95	147837	49.234	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.460%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	9807	5.867	ug/l	99
3) Chloromethane	2.113	50	13788	5.441	ug/l	95
4) Vinyl Chloride	2.247	62	13108	5.180	ug/l	98
5) Bromomethane	2.656	94	12363	5.510	ug/l	92
6) Chloroethane	2.796	64	8790	5.054	ug/l	97
7) Trichlorofluoromethane	3.131	101	22101	6.001	ug/l	93
8) Diethyl Ether	3.521	74	7071	5.738	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	11565	5.366	ug/l	94
10) Methyl Iodide	4.088	142	7957	3.360	ug/l	91
11) Tert butyl alcohol	4.930	59	18519	84.532	ug/l #	73
12) 1,1-Dichloroethene	3.875	96	11208	5.737	ug/l	93
13) Acrolein	3.723	56	8736	22.322	ug/l	96
14) Allyl chloride	4.473	41	19429	5.049	ug/l	96
15) Acrylonitrile	5.168	53	17602	24.358	ug/l	99
16) Acetone	3.954	43	20840	25.542	ug/l	92
17) Carbon Disulfide	4.192	76	33830	6.026	ug/l	95
18) Methyl Acetate	4.485	43	15656	5.504	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	29949	5.053	ug/l	95
20) Methylene Chloride	4.716	84	30260	7.028	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	11758	5.345	ug/l	92
22) Diisopropyl ether	6.112	45	37368	4.565	ug/l	88
23) Vinyl Acetate	6.058	43	102229	21.581	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	23167	5.177	ug/l	97
25) 2-Butanone	6.990	43	27357	25.793	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	22512	5.890	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	13920	5.370	ug/l	96
28) Bromochloromethane	7.332	49	8473	5.412	ug/l #	90
29) Tetrahydrofuran	7.350	42	14716	23.189	ug/l	97
30) Chloroform	7.509	83	25268	5.603	ug/l	100
31) Cyclohexane	7.783	56	22297	5.751	ug/l #	86
32) 1,1,1-Trichloroethane	7.704	97	21116	5.486	ug/l	98
36) 1,1-Dichloropropene	7.917	75	17187	5.216	ug/l	99
37) Ethyl Acetate	7.076	43	10463	4.617	ug/l	98
38) Carbon Tetrachloride	7.899	117	20616	5.931	ug/l	95
39) Methylcyclohexane	9.179	83	19193	5.125	ug/l	91
40) Benzene	8.155	78	51553	5.384	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	15727	13.964	ug/l #	37
42) 1,2-Dichloroethane	8.234	62	18057	5.837	ug/l	99
43) Isopropyl Acetate	8.271	43	19514	4.744	ug/l	93
44) Trichloroethene	8.941	130	14929	5.965	ug/l	95
45) 1,2-Dichloropropane	9.216	63	13475	5.122	ug/l	98
46) Dibromomethane	9.307	93	7603	5.160	ug/l	93
47) Bromodichloromethane	9.496	83	19359	5.548	ug/l	93
48) Methyl methacrylate	9.295	41	8089	4.281	ug/l	90
49) 1,4-Dioxane	9.307	88	1594	88.141	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	49782	21.732	ug/l	98
52) Toluene	10.246	92	30743	5.296	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	18125	5.038	ug/l	90
54) cis-1,3-Dichloropropene	9.929	75	20516	5.111	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	10734	5.356	ug/l	95
56) Ethyl methacrylate	10.508	69	12399	4.636	ug/l	95
57) 1,3-Dichloropropane	10.788	76	17720	5.139	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	25937	26.768	ug/l	98
59) 2-Hexanone	10.831	43	34818	21.383	ug/l	96
60) Dibromochloromethane	10.984	129	13488	5.554	ug/l	99
61) 1,2-Dibromoethane	11.087	107	10138	5.364	ug/l	93
64) Tetrachloroethene	10.715	164	11818	5.554	ug/l	94
65) Chlorobenzene	11.514	112	34628	5.454	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	13391	5.428	ug/l	100
67) Ethyl Benzene	11.587	91	56049	4.968	ug/l	95
68) m/p-Xylenes	11.697	106	41891	9.913	ug/l	99
69) o-Xylene	12.026	106	19729	4.908	ug/l	98
70) Styrene	12.044	104	33397	4.892	ug/l	99
71) Bromoform	12.209	173	8595	5.274	ug/l #	99
73) Isopropylbenzene	12.325	105	51496	4.619	ug/l	98
74) N-amyl acetate	12.142	43	14478	3.826	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	12766	4.833	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	17197	8.628	ug/l #	100
77) Bromobenzene	12.611	156	14227	5.290	ug/l	97
78) n-propylbenzene	12.666	91	65857	4.795	ug/l	97
79) 2-Chlorotoluene	12.752	91	38764	5.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	43730	4.810	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	3928	4.387	ug/l	93
82) 4-Chlorotoluene	12.855	91	39229	4.858	ug/l	97
83) tert-Butylbenzene	13.075	119	38447	4.856	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	42387	4.757	ug/l	98
85) sec-Butylbenzene	13.251	105	55886	4.678	ug/l	99
86) p-Isopropyltoluene	13.367	119	44784	4.643	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	27615	5.274	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	27396	5.203	ug/l	92
89) n-Butylbenzene	13.696	91	43237	4.572	ug/l	98
90) Hexachloroethane	13.959	117	10497	5.150	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	24557	5.267	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2053	4.797	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	12916	4.668	ug/l	99
94) Hexachlorobutadiene	15.111	225	9038	5.258	ug/l	95
95) Naphthalene	15.233	128	22126	4.029	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	11271	4.527	ug/l	97

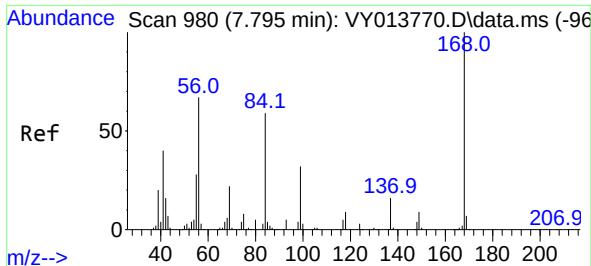
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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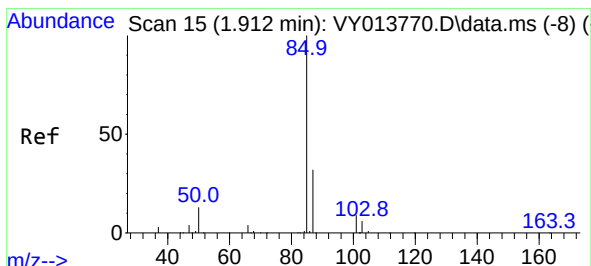
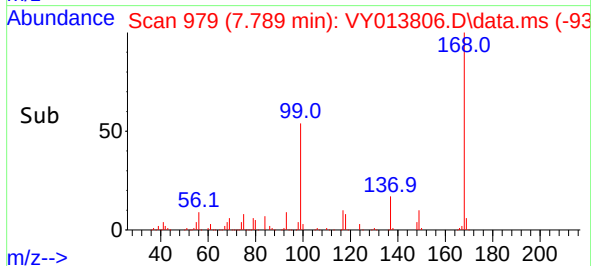
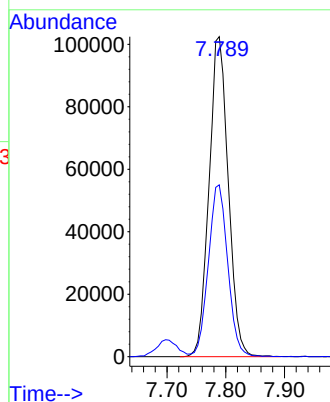
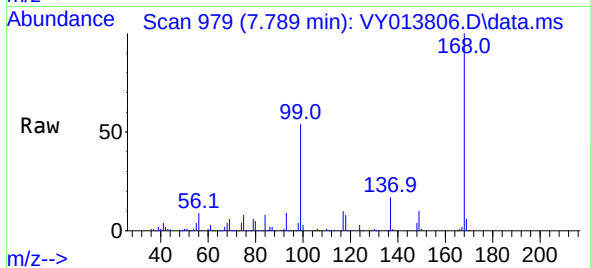
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

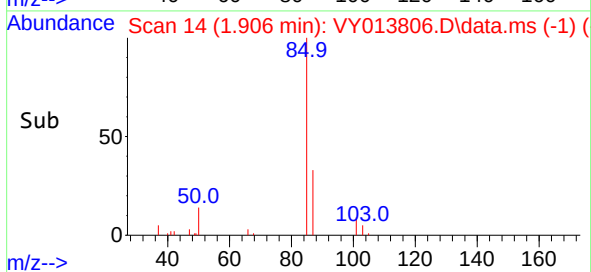
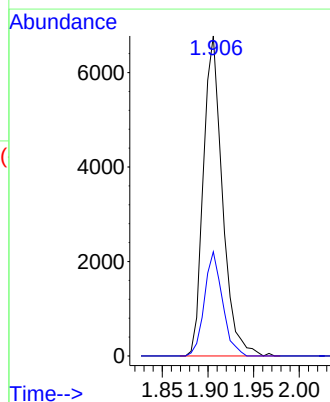
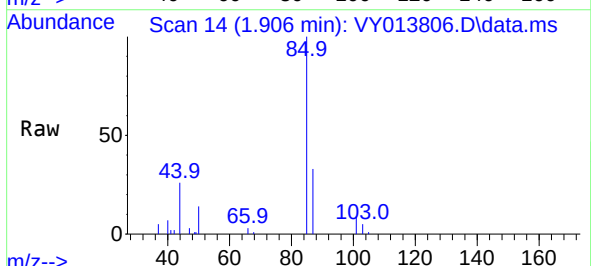
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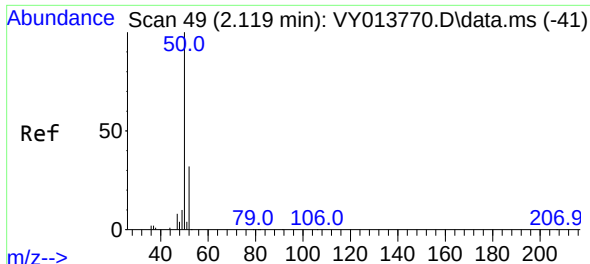
Tgt Ion:168 Resp: 232796
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 5.867 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 85 Resp: 9807
Ion Ratio Lower Upper
85 100
87 32.6 16.1 48.2

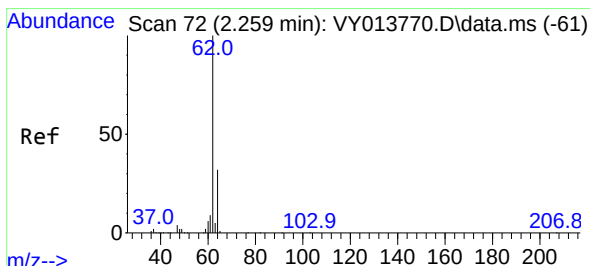
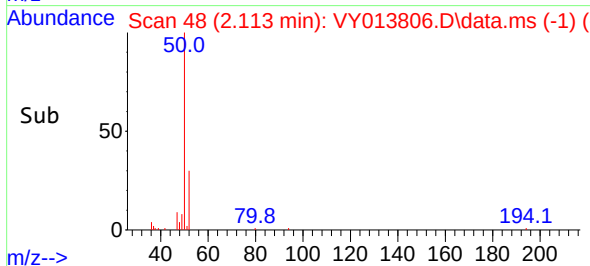
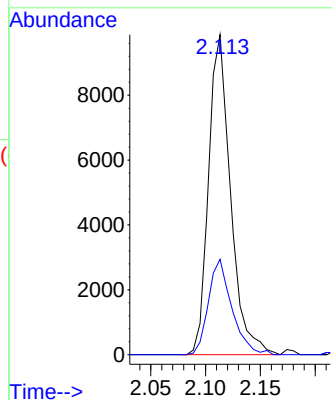
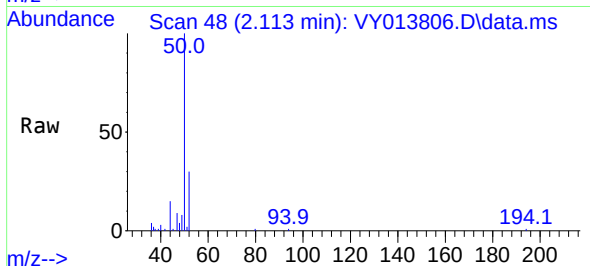




#3
Chloromethane
Concen: 5.441 ug/l
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

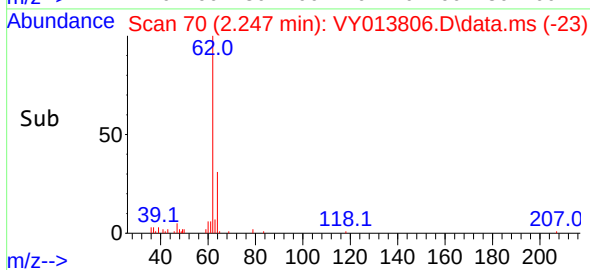
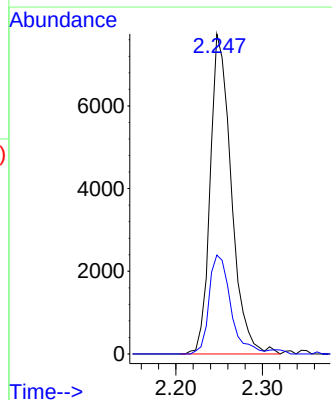
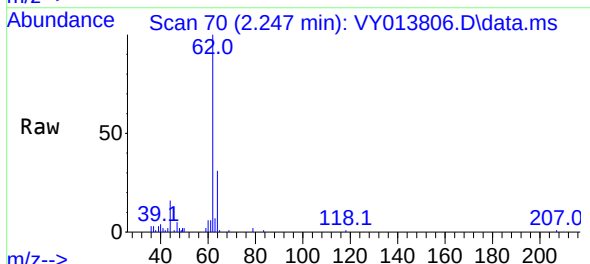
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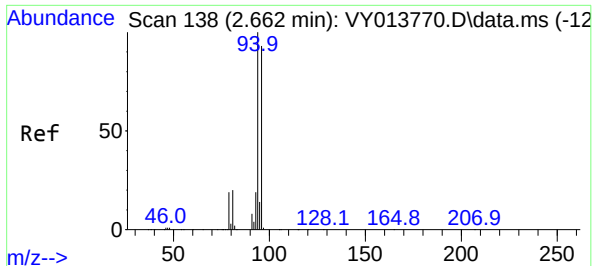
Tgt Ion: 50 Resp: 13788
Ion Ratio Lower Upper
50 100
52 29.8 26.0 39.0



#4
Vinyl Chloride
Concen: 5.180 ug/l
RT: 2.247 min Scan# 70
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 62 Resp: 13108
Ion Ratio Lower Upper
62 100
64 30.9 25.8 38.6

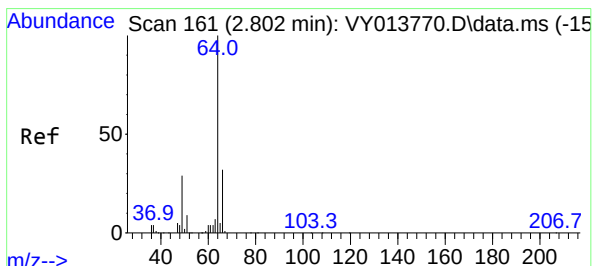
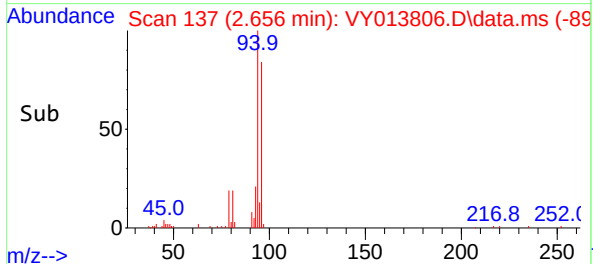
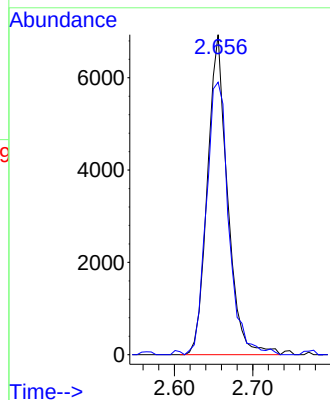
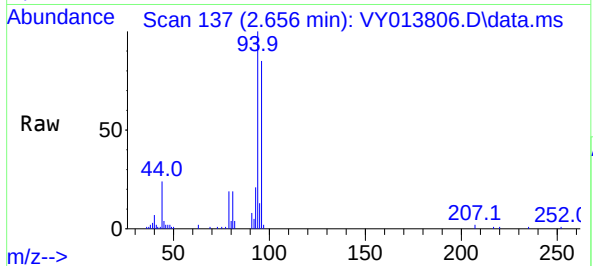




#5
Bromomethane
Concen: 5.510 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013806.D
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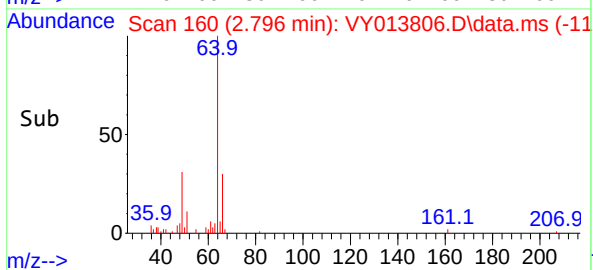
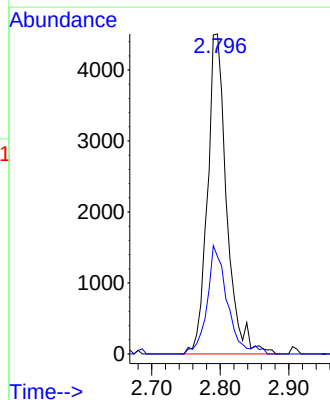
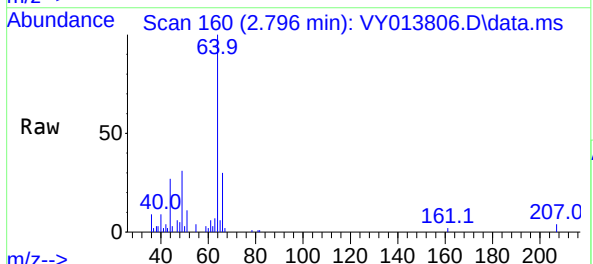
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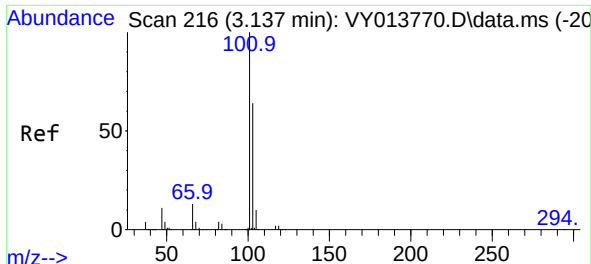
Tgt Ion: 94 Resp: 12363
Ion Ratio Lower Upper
94 100
96 85.2 74.2 111.4



#6
Chloroethane
Concen: 5.054 ug/l
RT: 2.796 min Scan# 160
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 64 Resp: 8790
Ion Ratio Lower Upper
64 100
66 30.4 25.8 38.6

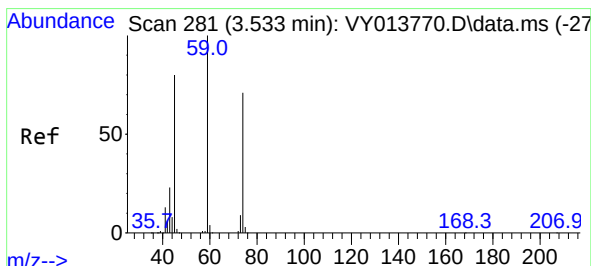
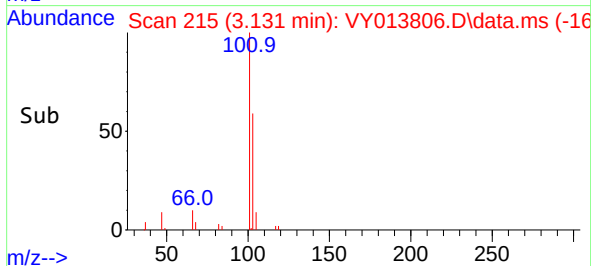
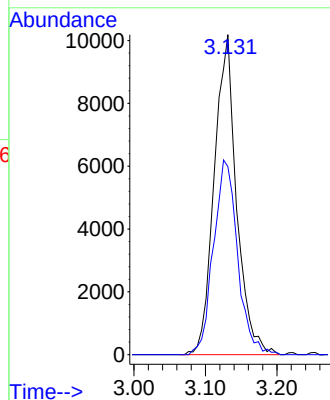
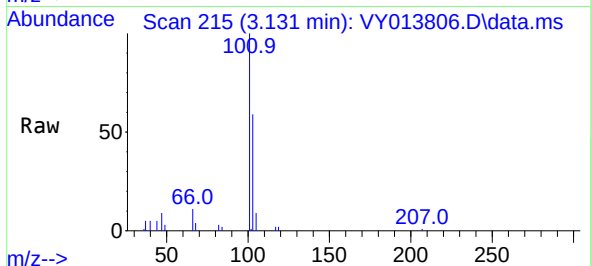




#7
Trichlorofluoromethane
Concen: 6.001 ug/l
RT: 3.131 min Scan# 216
Delta R.T. -0.006 min
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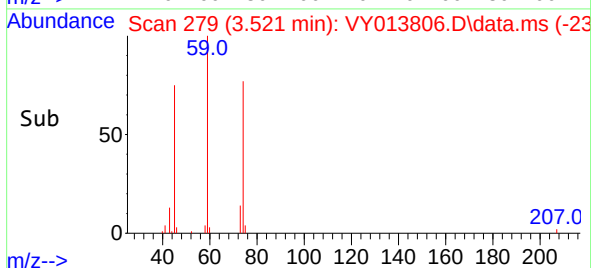
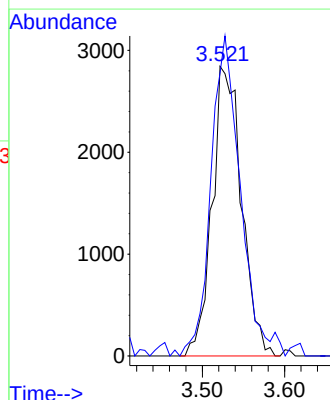
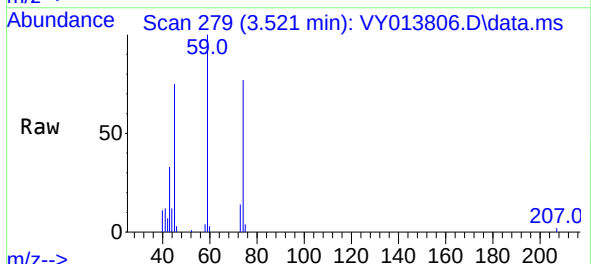
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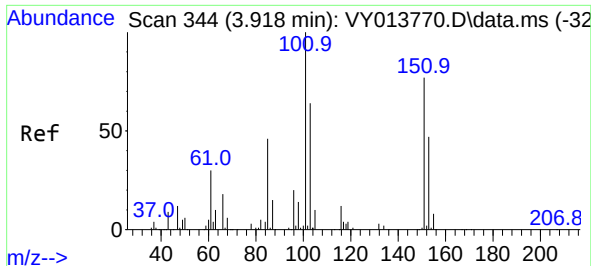
Tgt Ion:101 Resp: 22101
Ion Ratio Lower Upper
101 100
103 58.7 51.4 77.0



#8
Diethyl Ether
Concen: 5.738 ug/l
RT: 3.521 min Scan# 279
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 74 Resp: 7071
Ion Ratio Lower Upper
74 100
45 110.9 56.1 168.3

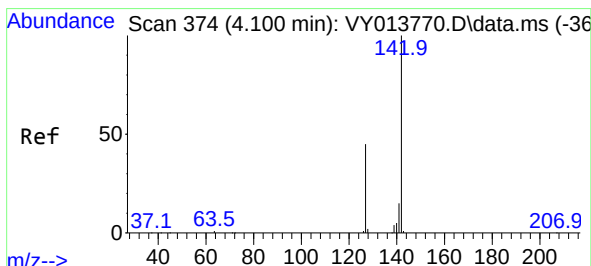
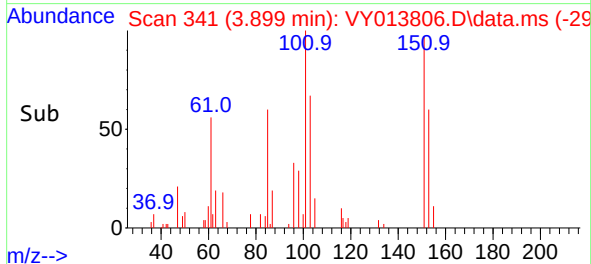
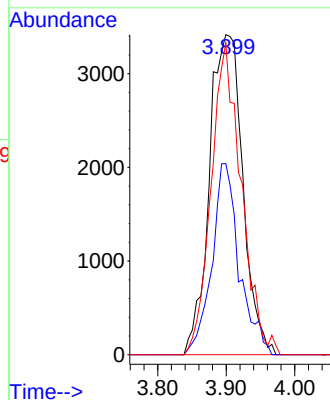
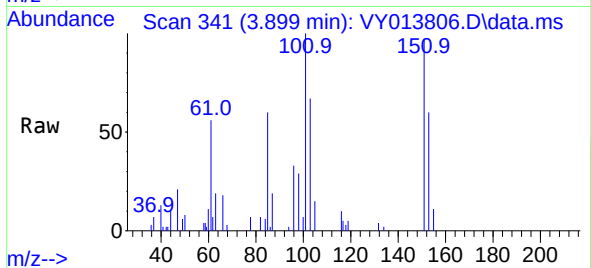




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.366 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.018 min
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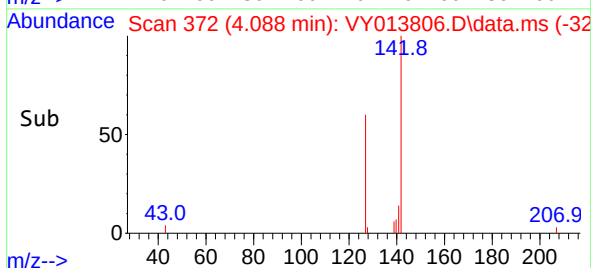
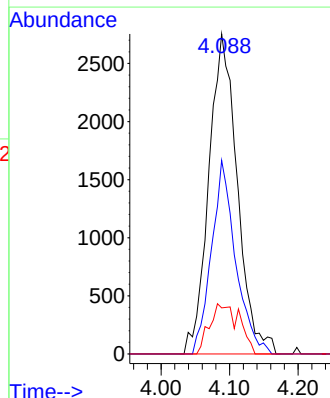
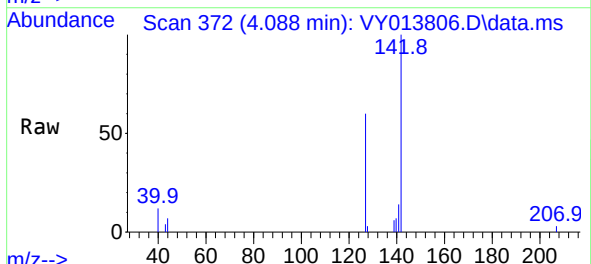
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

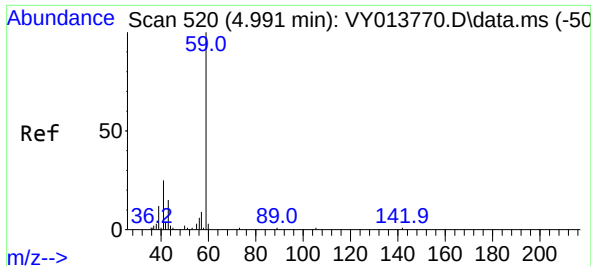
Tgt Ion:101 Resp: 11565
Ion Ratio Lower Upper
101 100
85 49.0 37.8 56.8
151 87.9 64.2 96.2



#10
Methyl Iodide
Concen: 3.360 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:142 Resp: 7957
Ion Ratio Lower Upper
142 100
127 51.4 35.4 53.2
141 16.3 11.5 17.3

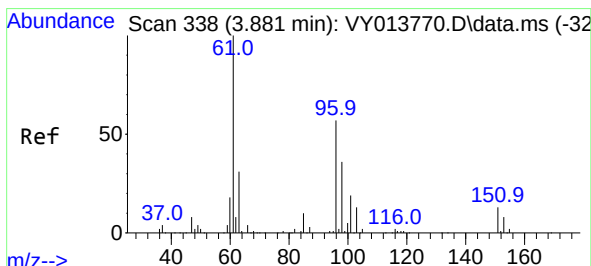
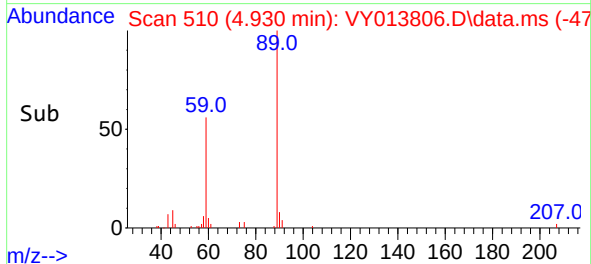
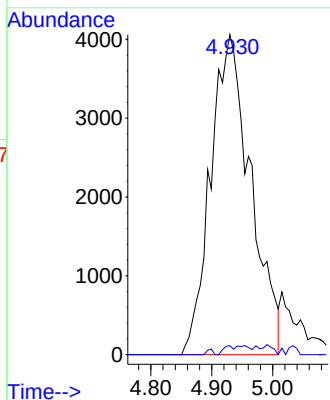
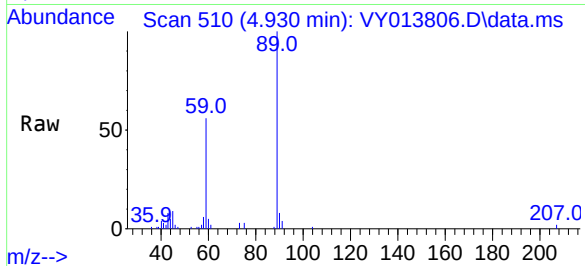




#11
Tert butyl alcohol
Concen: 84.532 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.061 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

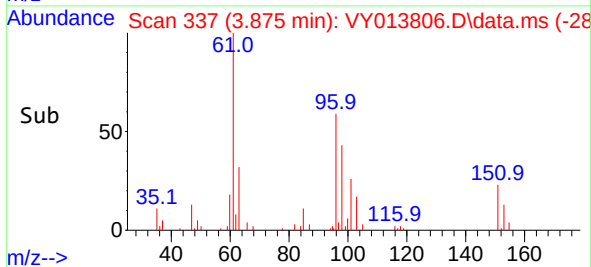
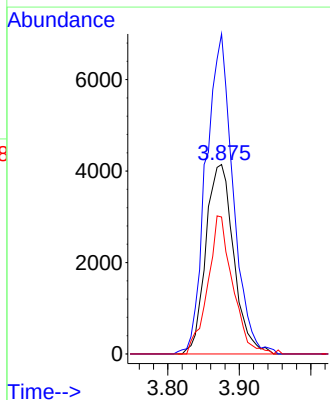
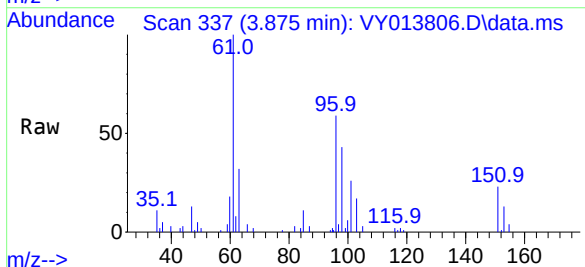
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

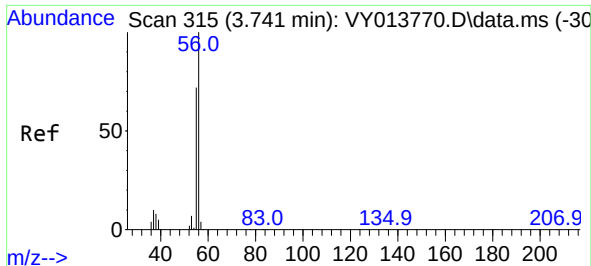
Tgt Ion: 59 Resp: 18519
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 5.737 ug/l
RT: 3.875 min Scan# 337
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 96 Resp: 11208
Ion Ratio Lower Upper
96 100
61 168.9 139.8 209.6
98 72.2 49.7 74.5

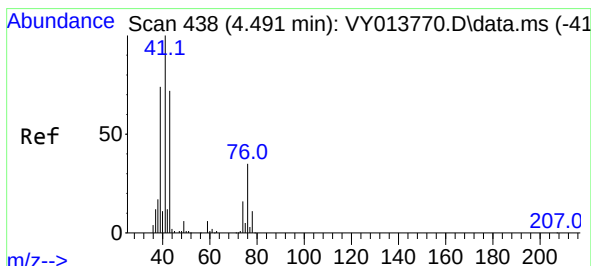
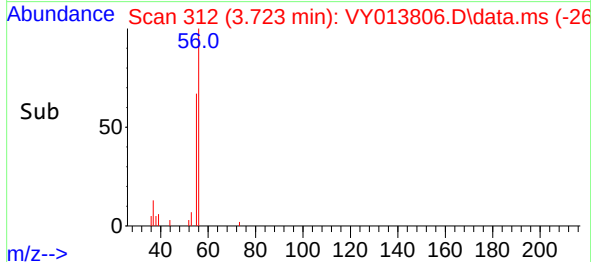
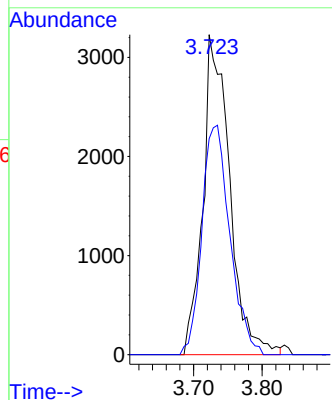
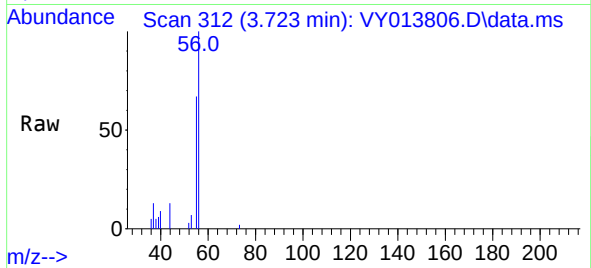




#13
Acrolein
Concen: 22.322 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.018 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

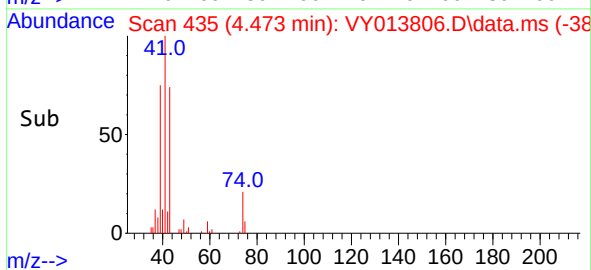
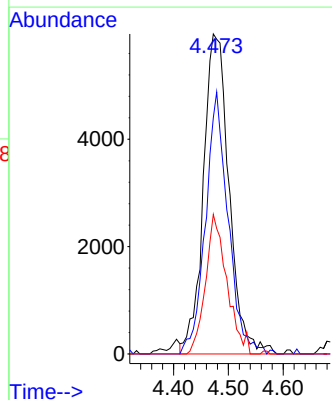
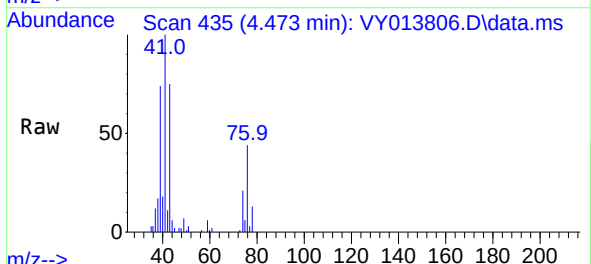
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

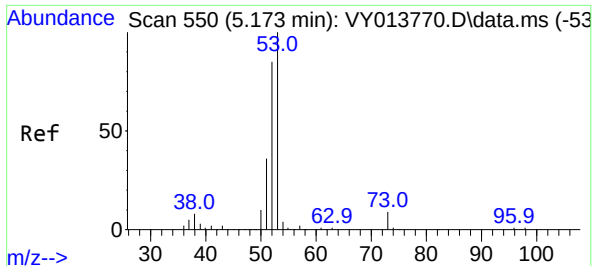
Tgt Ion: 56 Resp: 8736
Ion Ratio Lower Upper
56 100
55 75.4 57.5 86.3



#14
Allyl chloride
Concen: 5.049 ug/l
RT: 4.473 min Scan# 435
Delta R.T. -0.018 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 41 Resp: 19429
Ion Ratio Lower Upper
41 100
39 71.9 55.8 83.6
76 36.1 26.2 39.2

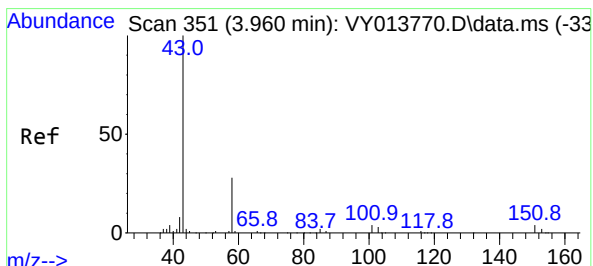
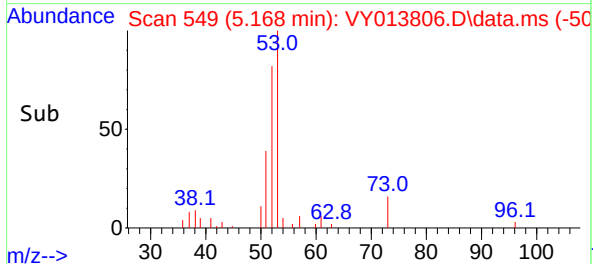
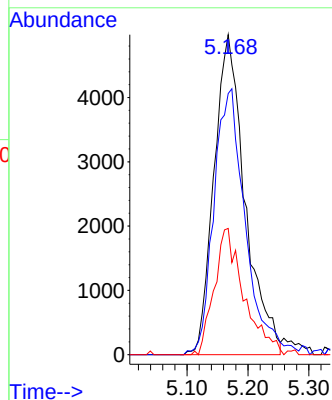
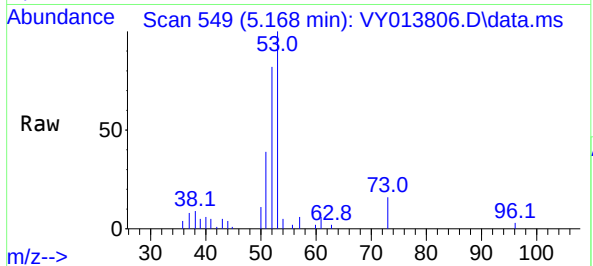




#15
Acrylonitrile
Concen: 24.358 ug/l
RT: 5.168 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

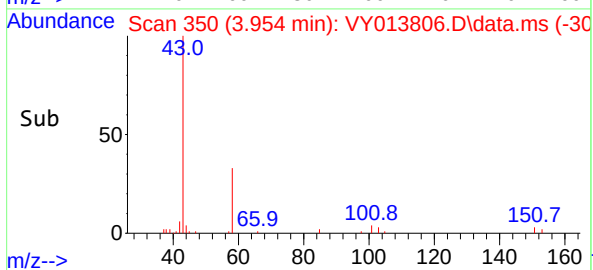
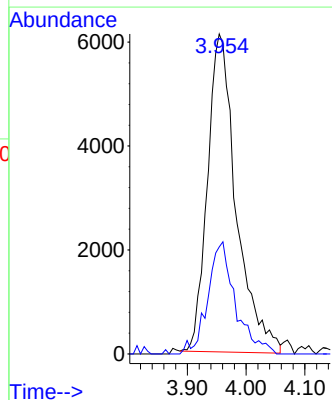
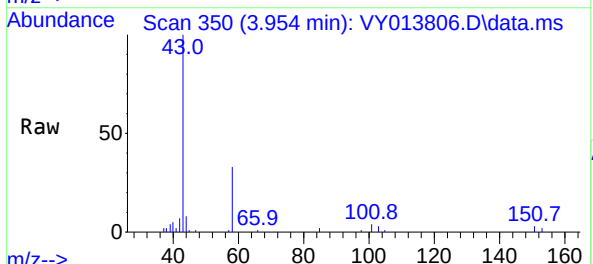
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

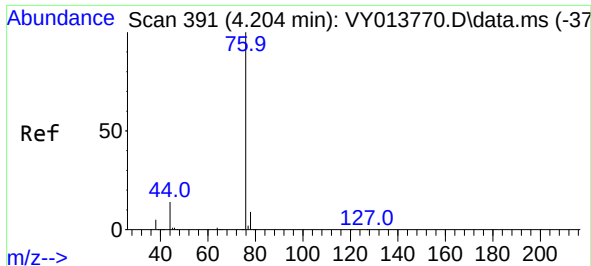
Tgt Ion:	53	Resp:	17602
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.5	99.7
51	37.9	30.1	45.1



#16
Acetone
Concen: 25.542 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:	43	Resp:	20840
Ion	Ratio	Lower	Upper
43	100		
58	33.7	23.7	35.5

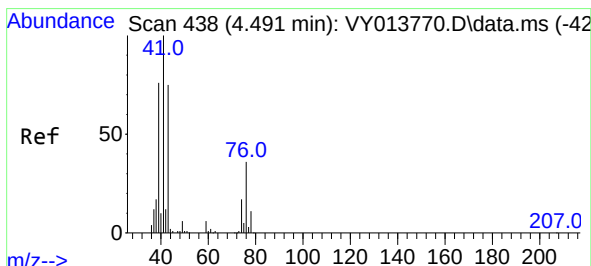
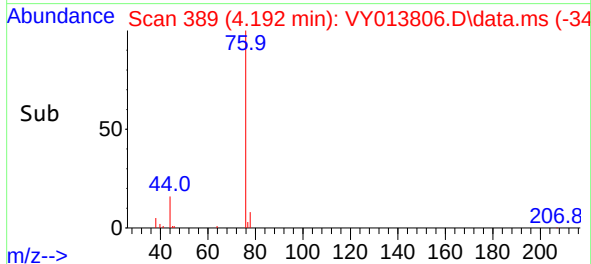
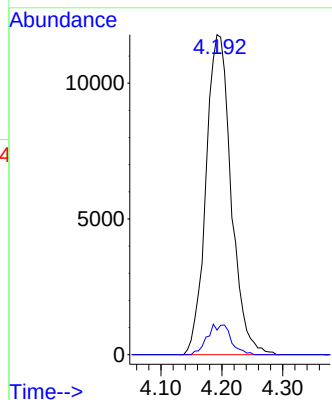
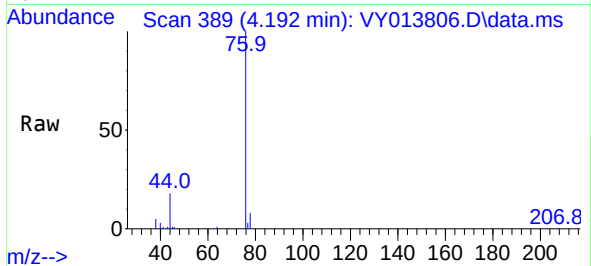




#17
Carbon Disulfide
Concen: 6.026 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

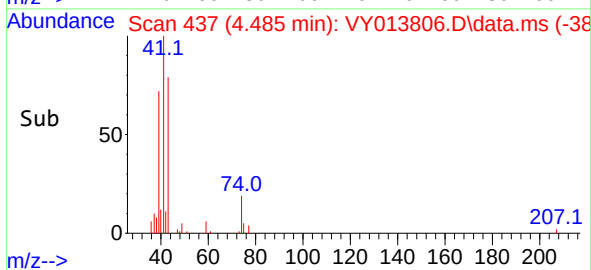
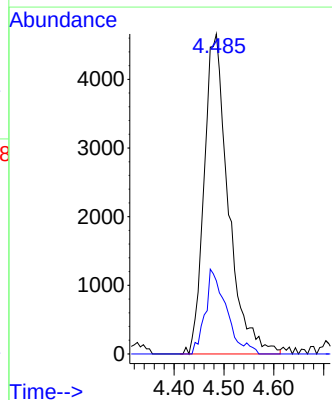
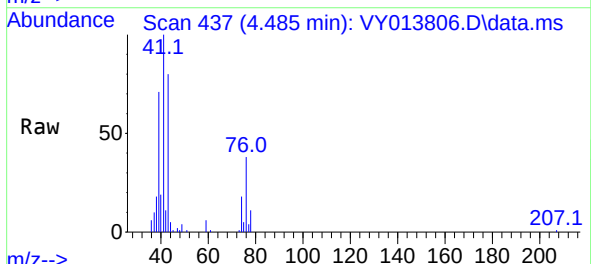
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

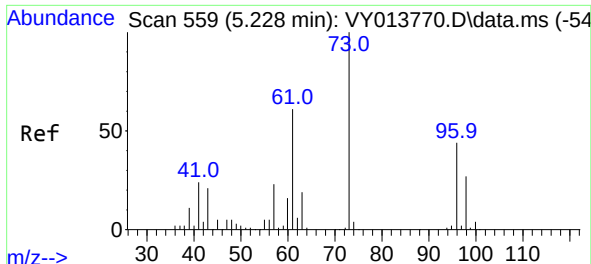
Tgt Ion: 76 Resp: 33830
Ion Ratio Lower Upper
76 100
78 7.7 7.5 11.3



#18
Methyl Acetate
Concen: 5.504 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 43 Resp: 15656
Ion Ratio Lower Upper
43 100
74 23.2 16.6 25.0

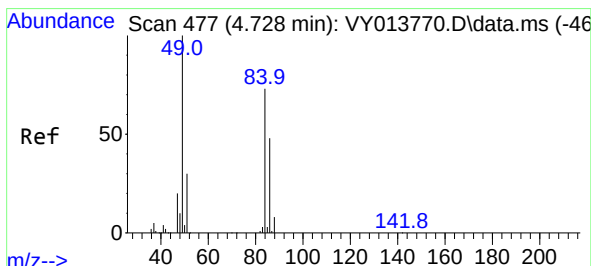
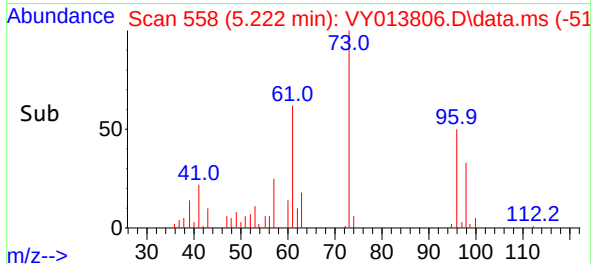
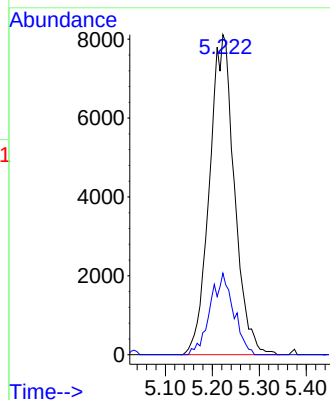
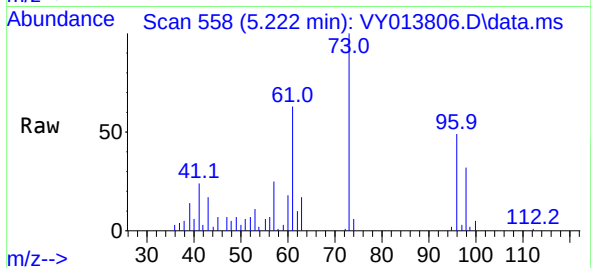




#19
Methyl tert-butyl Ether
Concen: 5.053 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

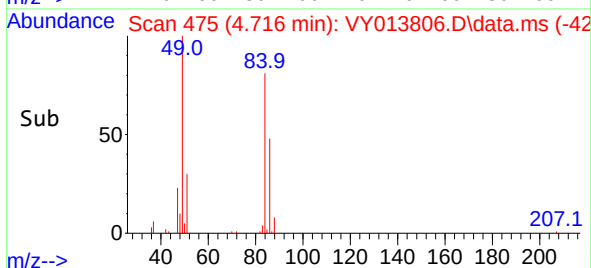
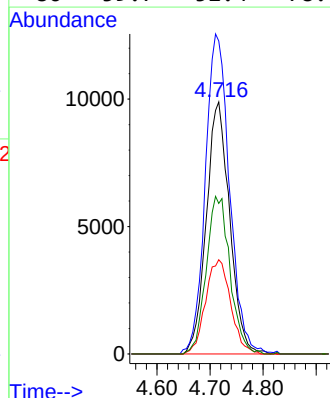
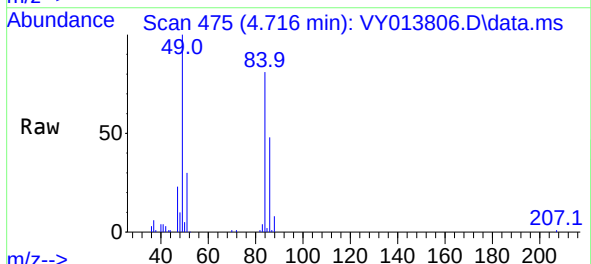
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

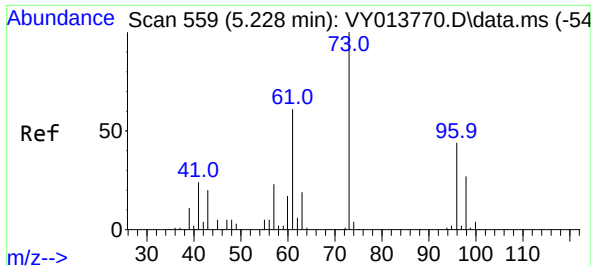
Tgt Ion: 73 Resp: 29949
Ion Ratio Lower Upper
73 100
57 25.4 18.6 27.8



#20
Methylene Chloride
Concen: 7.028 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

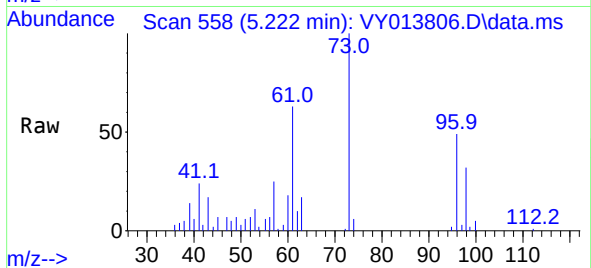
Tgt Ion: 84 Resp: 30260
Ion Ratio Lower Upper
84 100
49 124.2 109.4 164.0
51 37.4 32.8 49.2
86 59.7 52.4 78.6



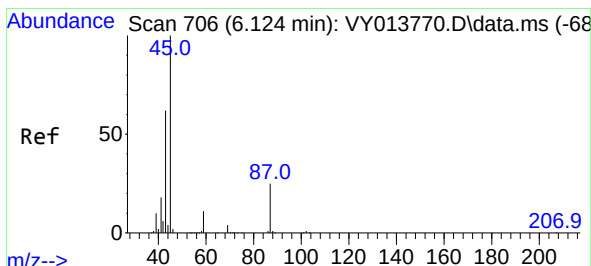
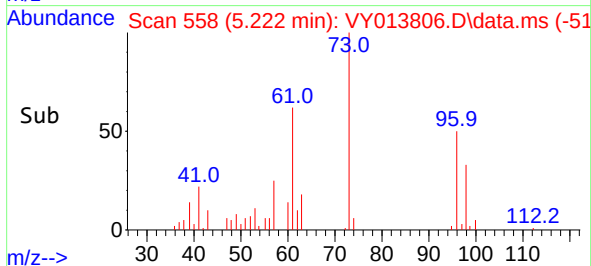
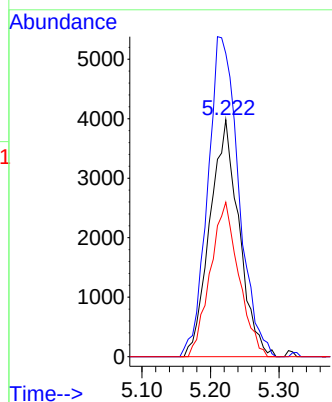


#21
trans-1,2-Dichloroethene
Concen: 5.345 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

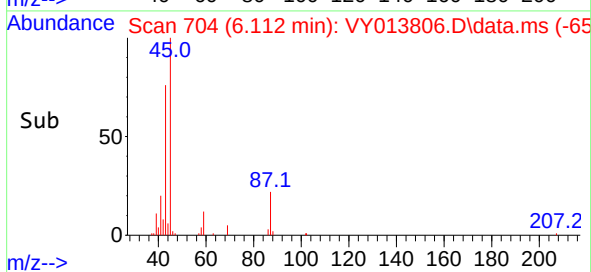
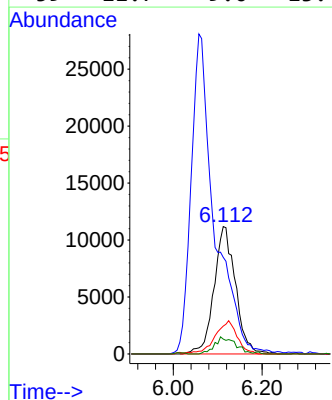
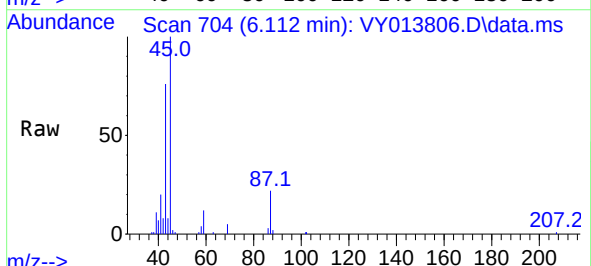


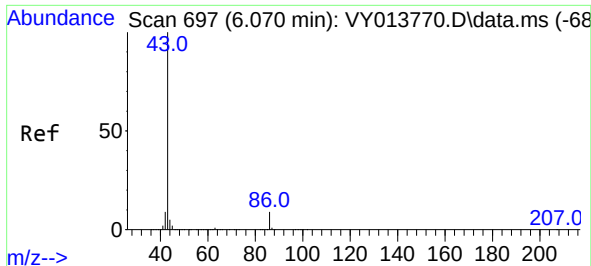
Tgt Ion: 96 Resp: 11758
Ion Ratio Lower Upper
96 100
61 127.9 110.8 166.2
98 65.2 48.6 72.8



#22
Diisopropyl ether
Concen: 4.565 ug/l
RT: 6.112 min Scan# 704
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 45 Resp: 37368
Ion Ratio Lower Upper
45 100
43 74.1 49.7 74.5
87 21.9 19.9 29.9
59 11.7 9.0 13.4

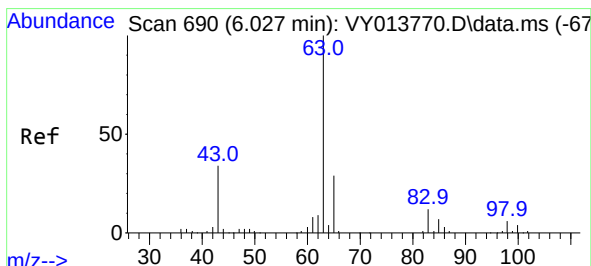
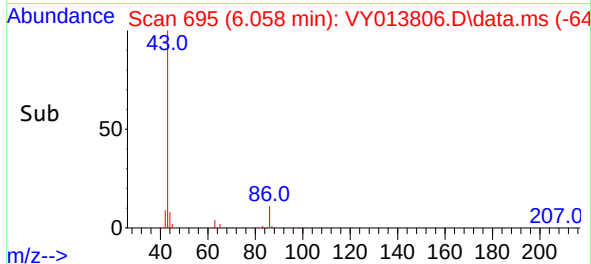
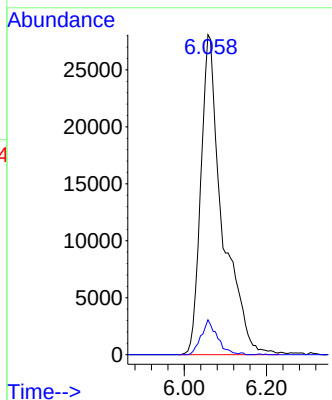
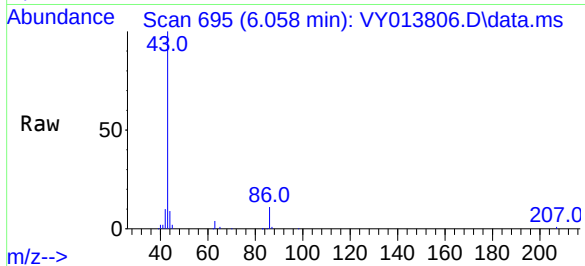




#23
 Vinyl Acetate
 Concen: 21.581 ug/l
 RT: 6.058 min Scan# 61
 Delta R.T. -0.012 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

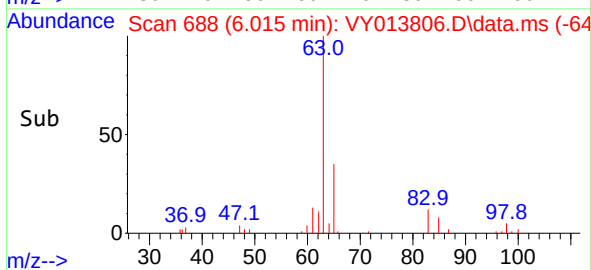
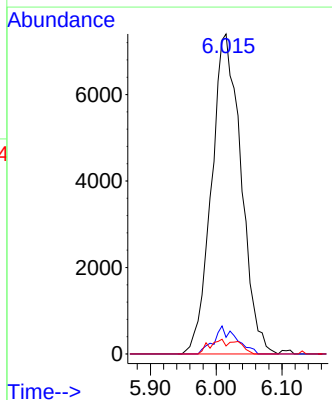
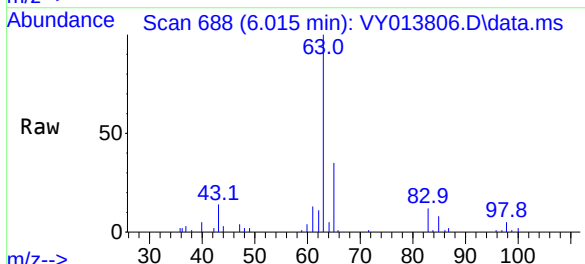
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

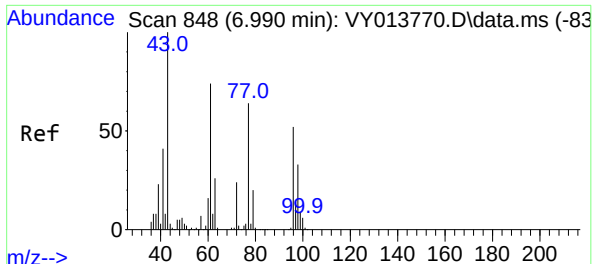
Tgt Ion: 43 Resp: 102229
 Ion Ratio Lower Upper
 43 100
 86 10.9 7.0 10.4#



#24
 1,1-Dichloroethane
 Concen: 5.177 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. -0.012 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

Tgt Ion: 63 Resp: 23167
 Ion Ratio Lower Upper
 63 100
 98 5.2 3.0 9.0
 100 2.5 2.0 6.0

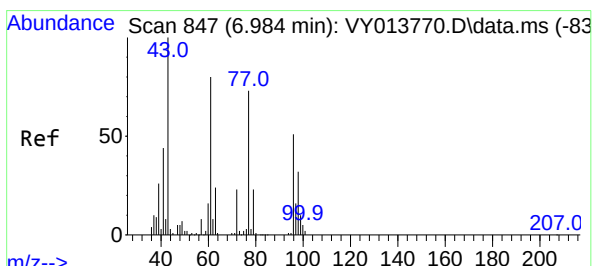
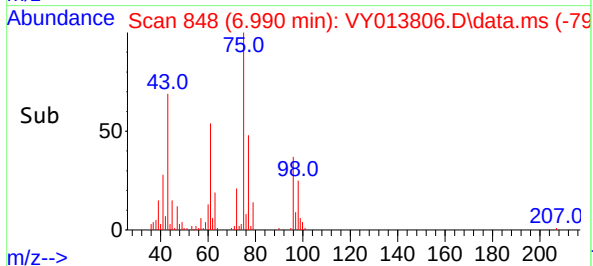
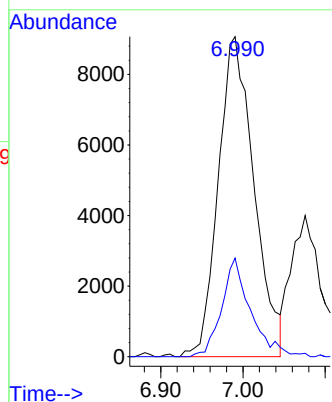
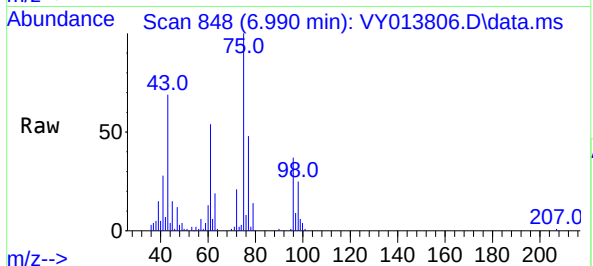




#25
2-Butanone
Concen: 25.793 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

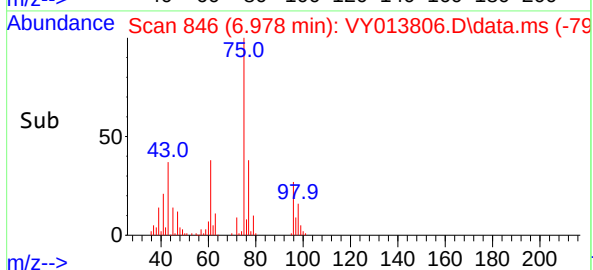
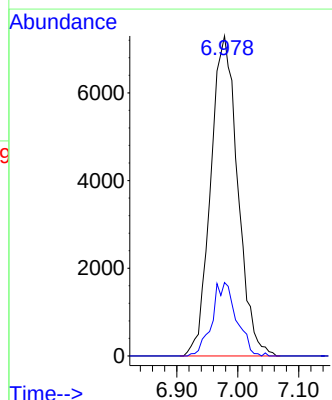
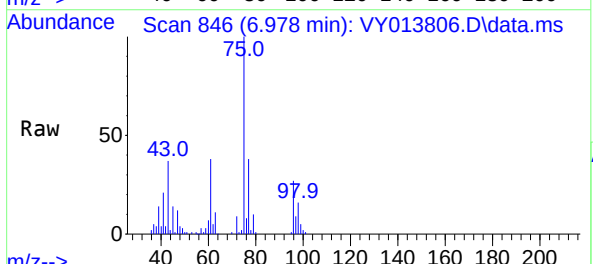
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

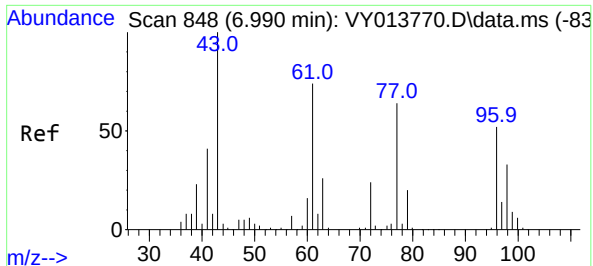
Tgt Ion: 43 Resp: 27357
Ion Ratio Lower Upper
43 100
72 30.8 19.0 28.6#



#26
2,2-Dichloropropane
Concen: 5.890 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 77 Resp: 22512
Ion Ratio Lower Upper
77 100
97 20.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 5.370 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY013806.D

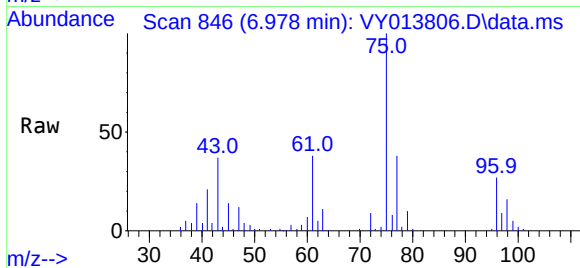
Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023



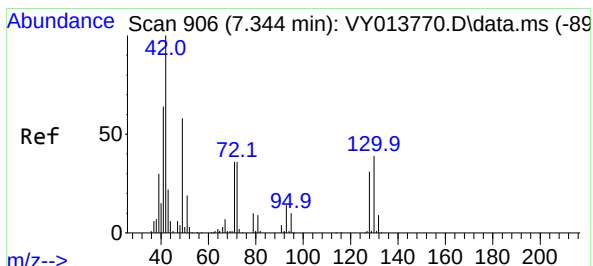
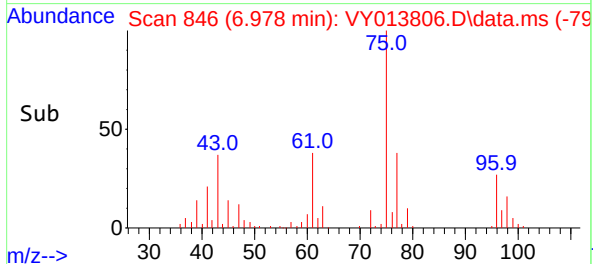
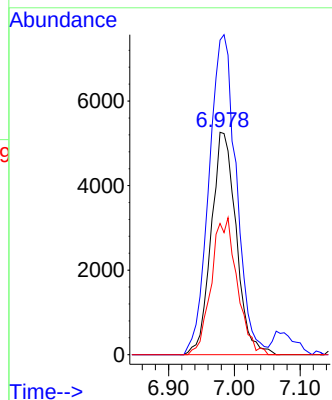
Tgt Ion: 96 Resp: 13920

Ion Ratio Lower Upper

96 100

61 157.2 0.0 300.6

98 63.6 0.0 127.8



#28

Bromochloromethane

Concen: 5.412 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.012 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

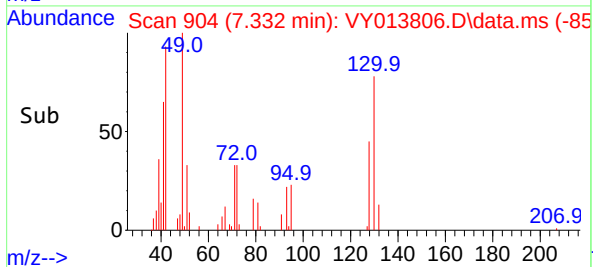
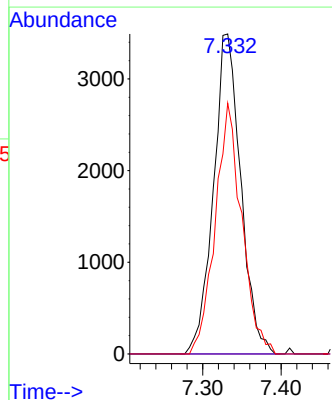
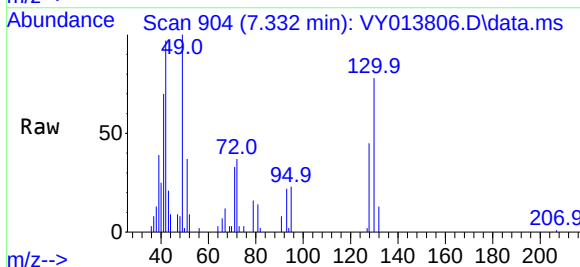
Tgt Ion: 49 Resp: 8473

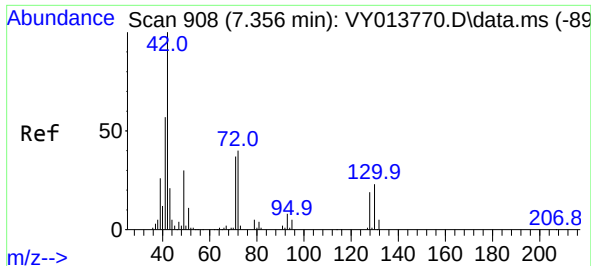
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 76.0 54.4 81.6





#29

Tetrahydrofuran

Concen: 23.189 ug/l

RT: 7.350 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY013806.D

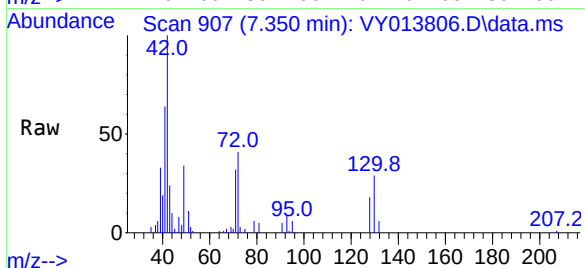
Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023



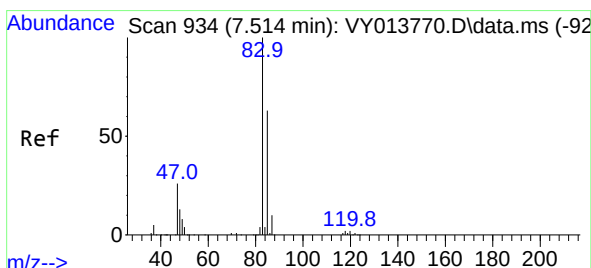
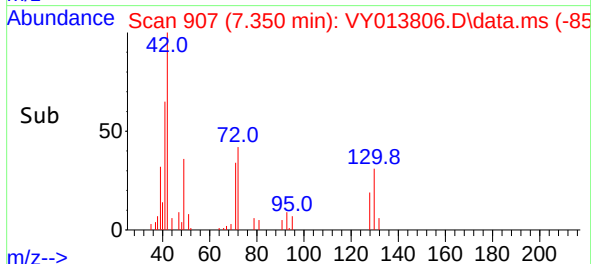
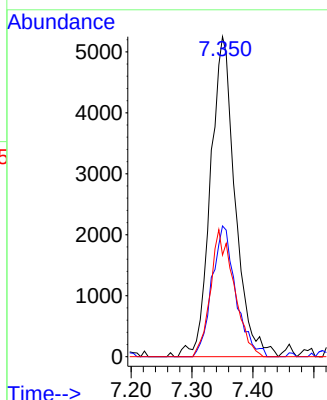
Tgt Ion: 42 Resp: 14716

Ion Ratio Lower Upper

42 100

72 39.6 30.7 46.1

71 38.1 29.0 43.6



#30

Chloroform

Concen: 5.603 ug/l

RT: 7.509 min Scan# 933

Delta R.T. -0.006 min

Lab File: VY013806.D

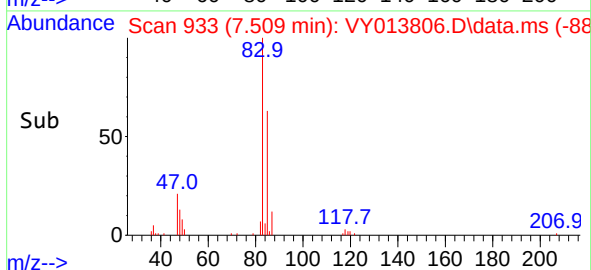
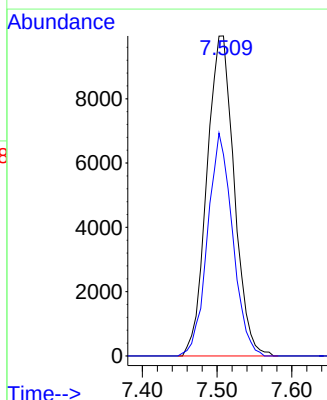
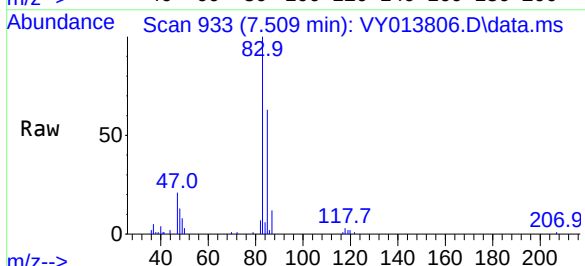
Acq: 18 May 2023 17:39

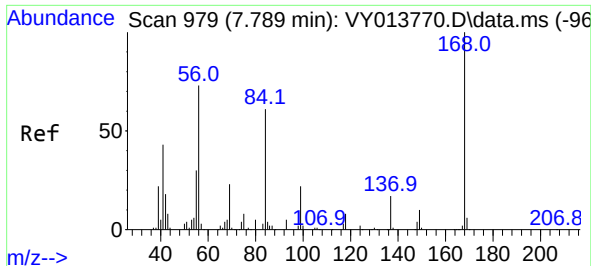
Tgt Ion: 83 Resp: 25268

Ion Ratio Lower Upper

83 100

85 62.9 50.5 75.7

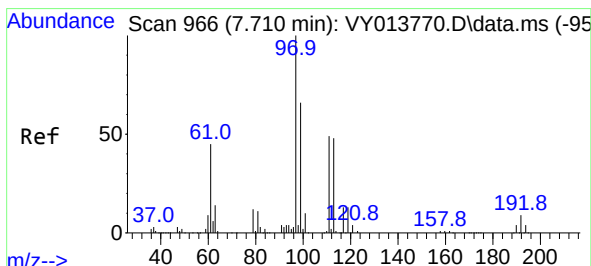
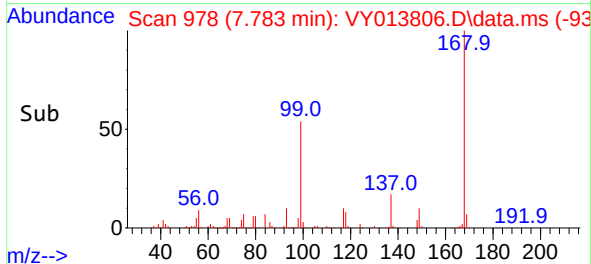
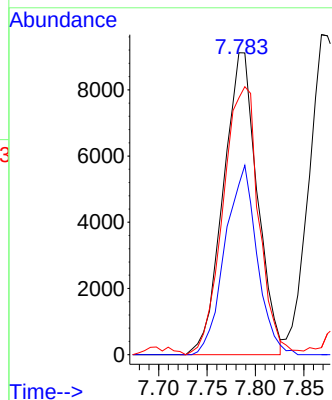
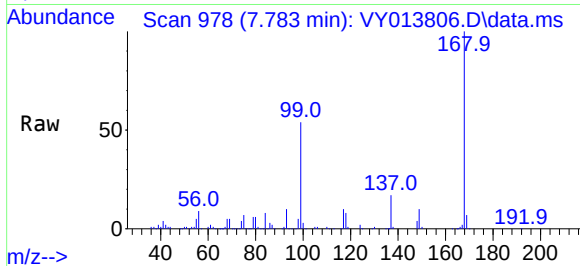




#31
Cyclohexane
Concen: 5.751 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

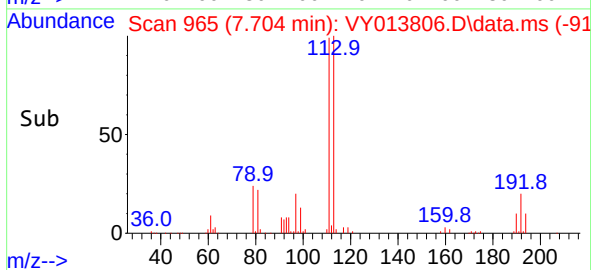
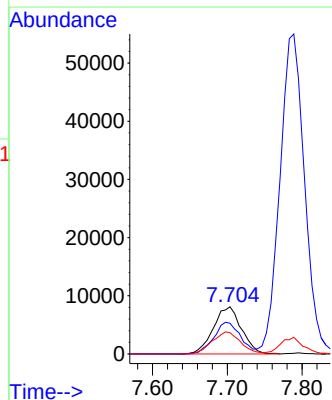
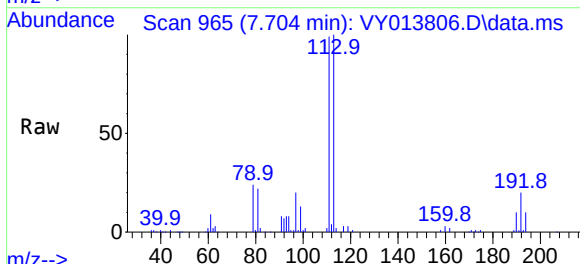
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

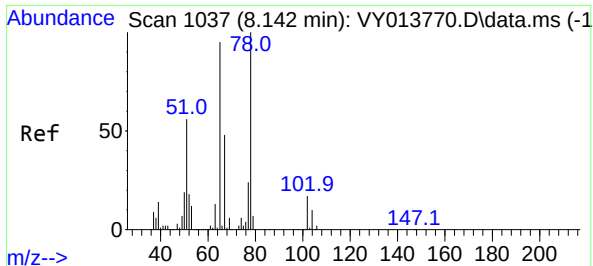
Tgt Ion: 56 Resp: 22297
Ion Ratio Lower Upper
56 100
69 56.4 25.8 38.6#
84 83.9 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 5.486 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 97 Resp: 21116
Ion Ratio Lower Upper
97 100
99 63.8 51.7 77.5
61 47.4 36.6 54.8





#33

1,2-Dichloroethane-d4

Concen: 53.860 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

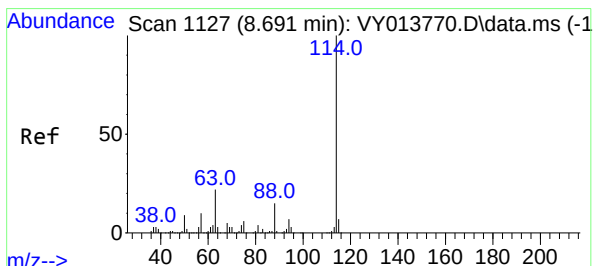
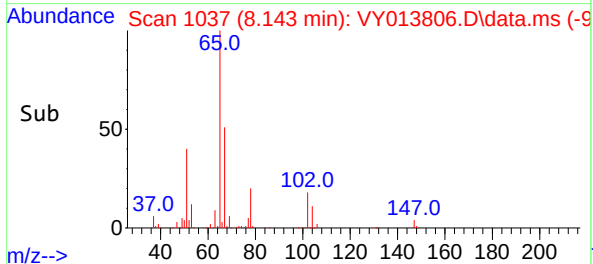
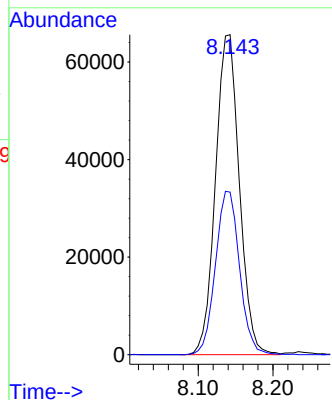
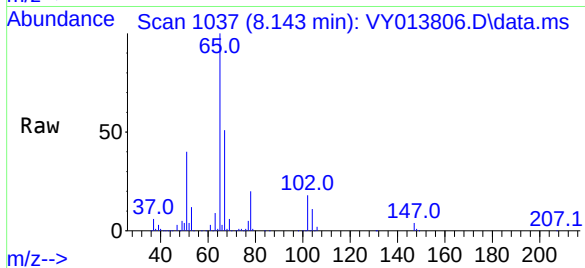
LOQ-SOIL-02-QT2-2023

Tgt Ion: 65 Resp: 145653

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

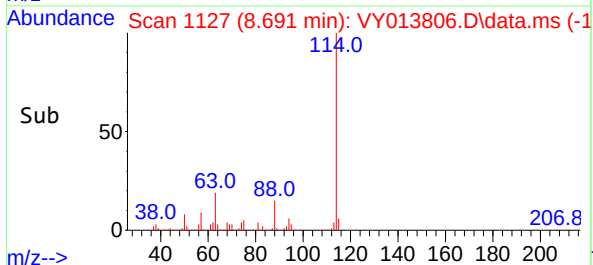
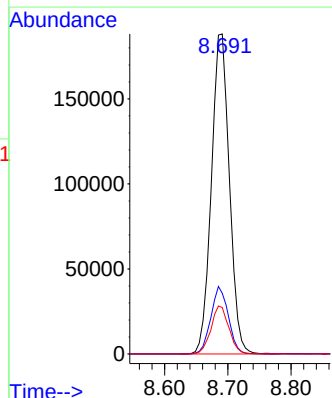
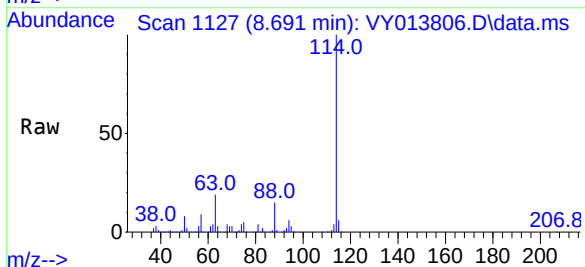
Tgt Ion: 114 Resp: 371859

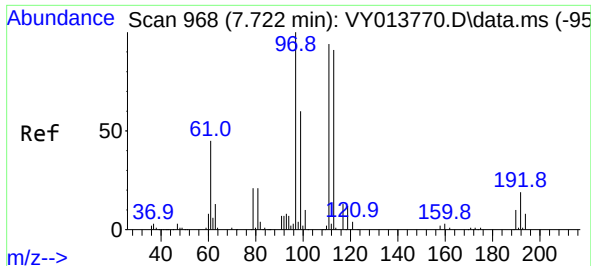
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.8

88 14.5 0.0 30.8

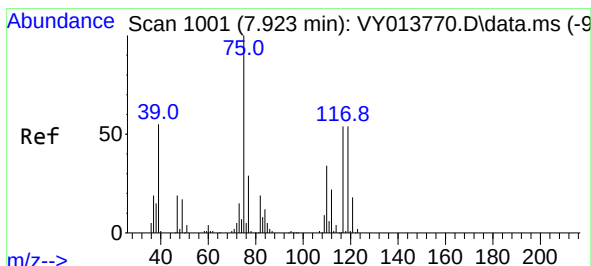
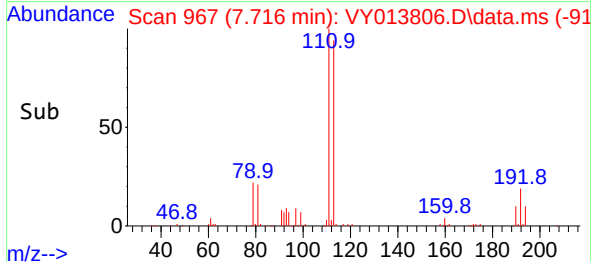
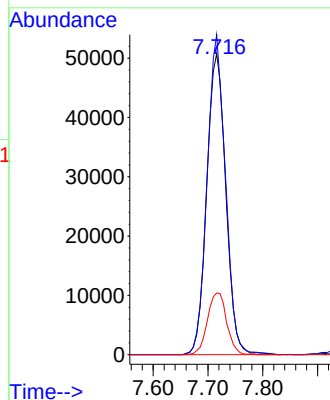
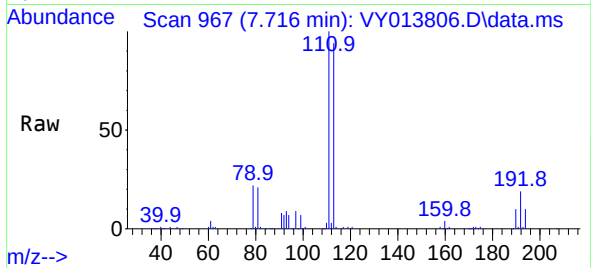




#35
Dibromofluoromethane
Concen: 51.272 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

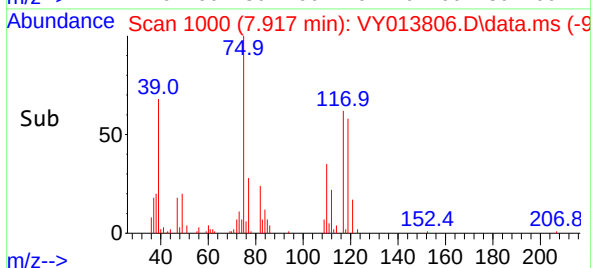
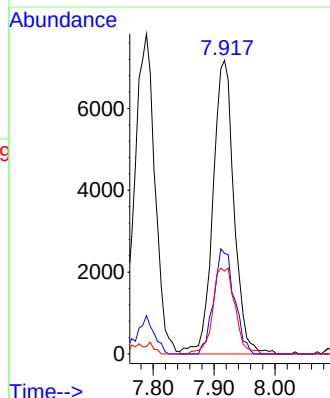
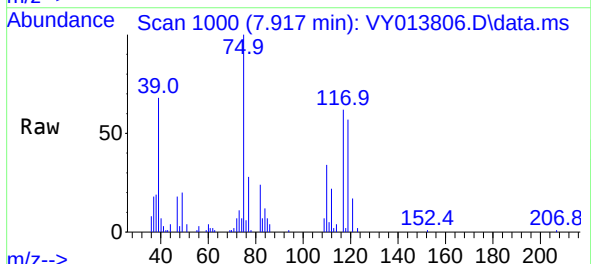
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

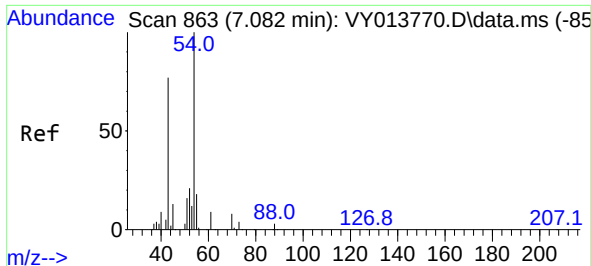
Tgt Ion:113 Resp: 122262
Ion Ratio Lower Upper
113 100
111 102.7 82.3 123.5
192 20.7 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.216 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 75 Resp: 17187
Ion Ratio Lower Upper
75 100
110 35.0 17.3 51.7
77 30.8 24.6 36.8





#37

Ethyl Acetate

Concen: 4.617 ug/l

RT: 7.076 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

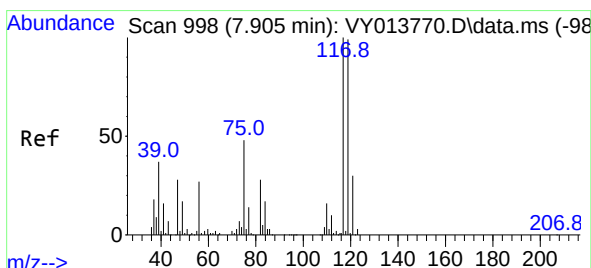
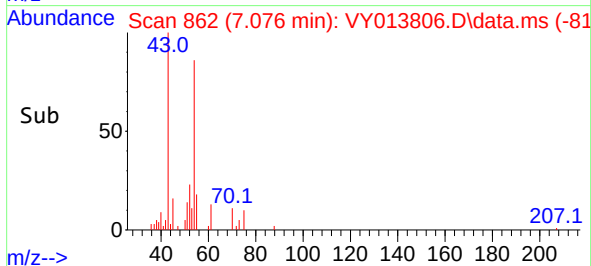
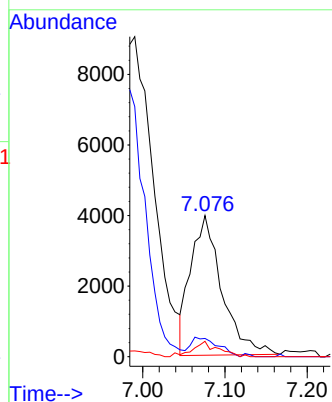
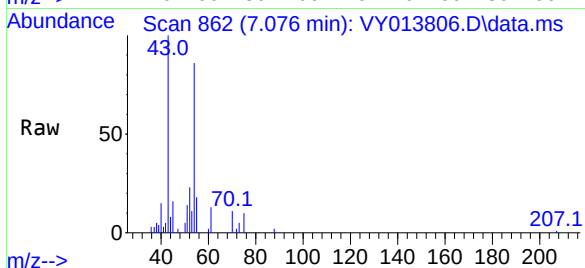
Tgt Ion: 43 Resp: 10463

Ion Ratio Lower Upper

43 100

61 11.9 10.7 16.1

70 8.9 7.0 10.6



#38

Carbon Tetrachloride

Concen: 5.931 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

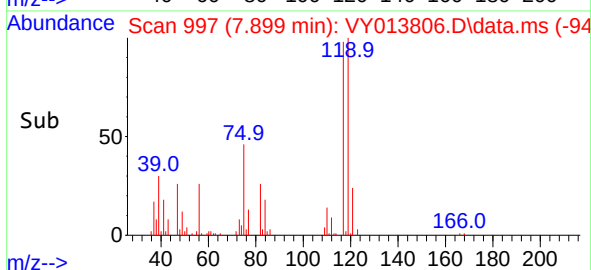
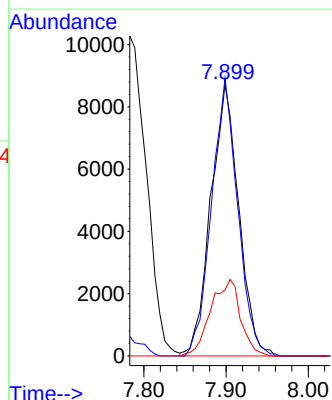
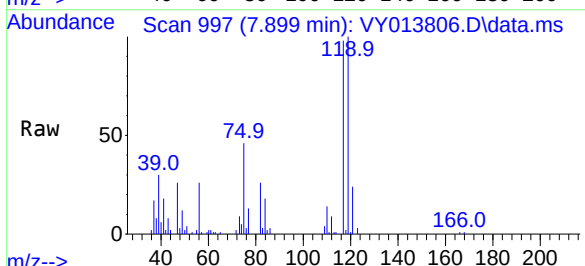
Tgt Ion: 117 Resp: 20616

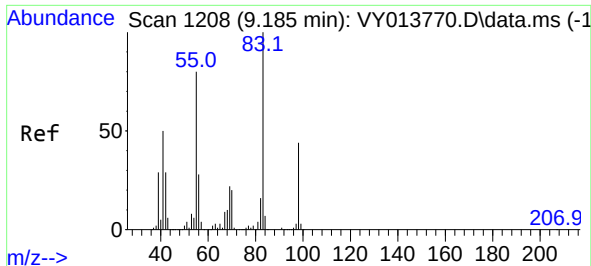
Ion Ratio Lower Upper

117 100

119 102.3 79.0 118.6

121 24.3 24.1 36.1





#39

Methylcyclohexane

Concen: 5.125 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

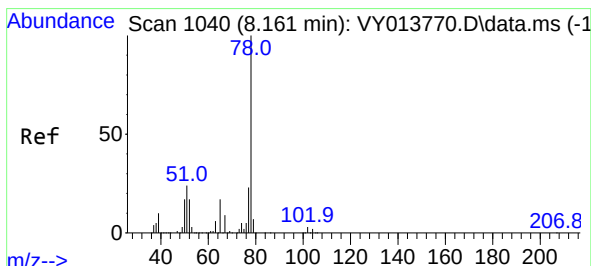
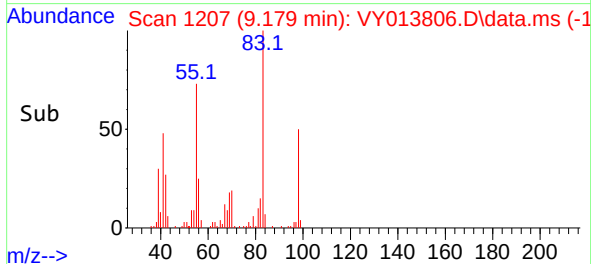
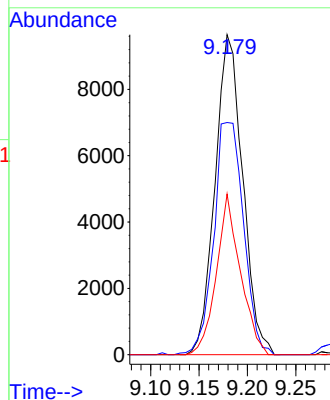
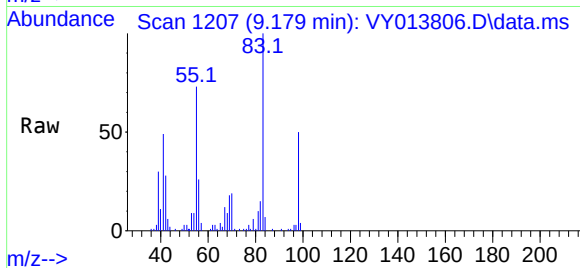
Tgt Ion: 83 Resp: 19193

Ion Ratio Lower Upper

83 100

55 72.5 63.7 95.5

98 50.2 35.0 52.6



#40

Benzene

Concen: 5.384 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY013806.D

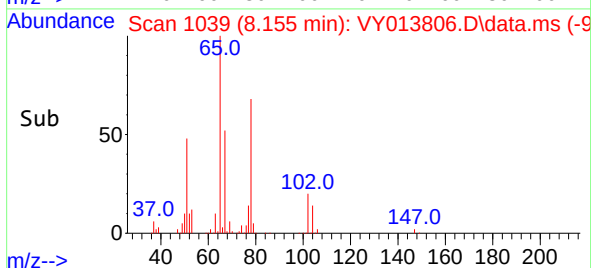
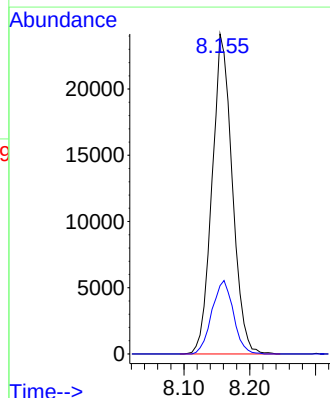
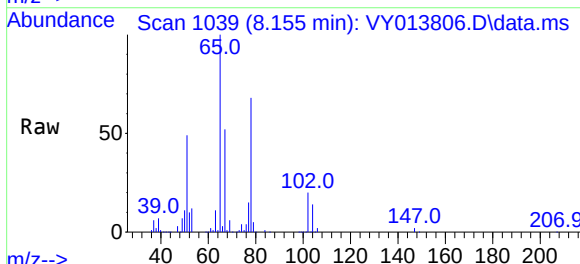
Acq: 18 May 2023 17:39

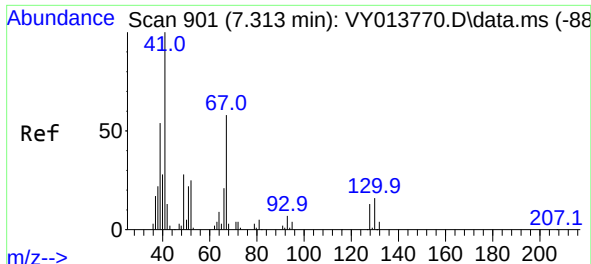
Tgt Ion: 78 Resp: 51553

Ion Ratio Lower Upper

78 100

77 21.4 18.6 27.8

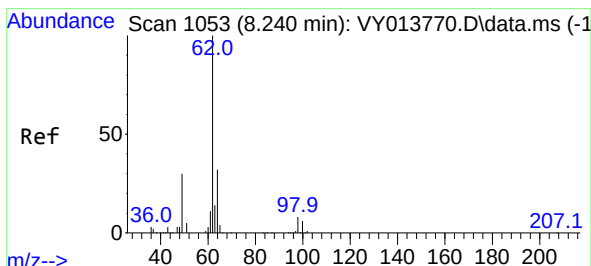
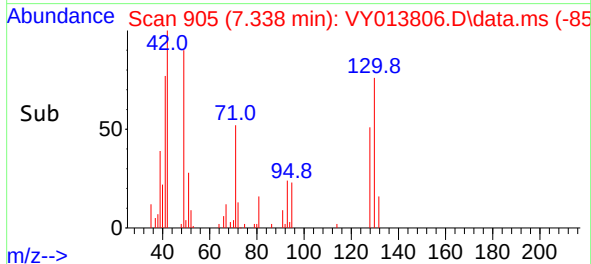
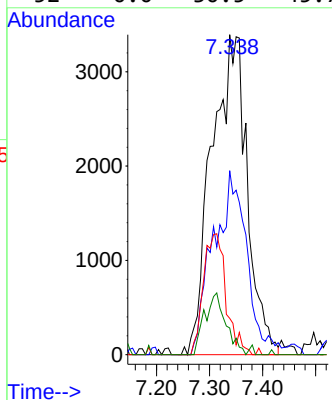
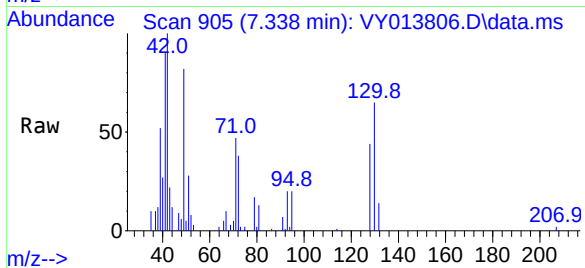




#41
Methacrylonitrile
Concen: 13.964 ug/l
RT: 7.338 min Scan# 901
Delta R.T. 0.025 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

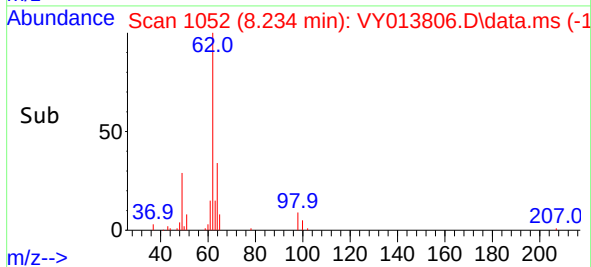
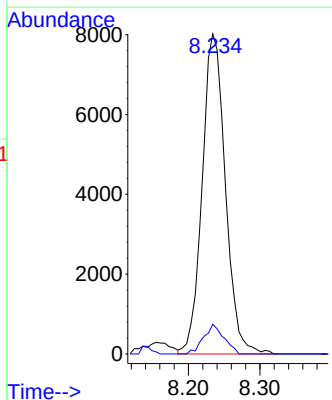
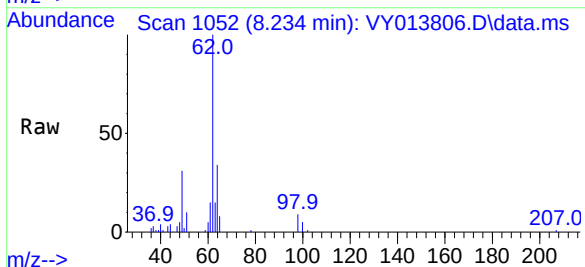
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

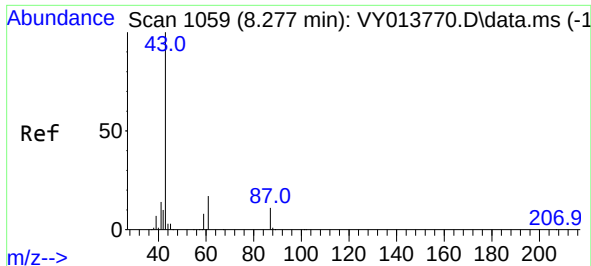
Tgt Ion:	41	Resp:	15727
Ion	Ratio	Lower	Upper
41	100		
39	52.5	59.5	89.3#
67	0.0	69.1	103.7#
52	0.0	30.5	45.7#



#42
1,2-Dichloroethane
Concen: 5.837 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:	62	Resp:	18057
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.8

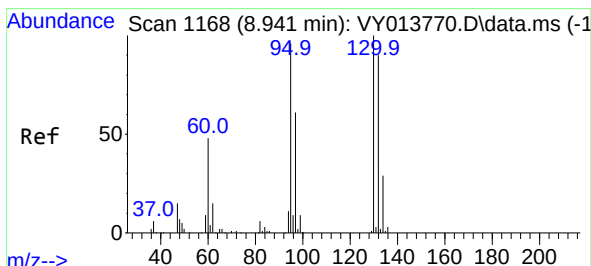
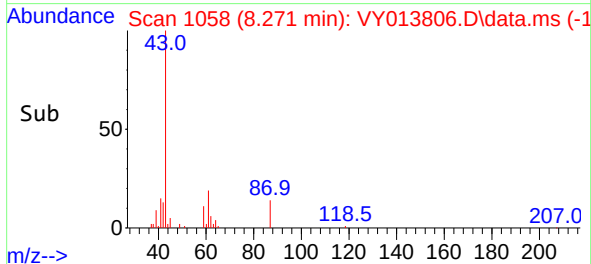
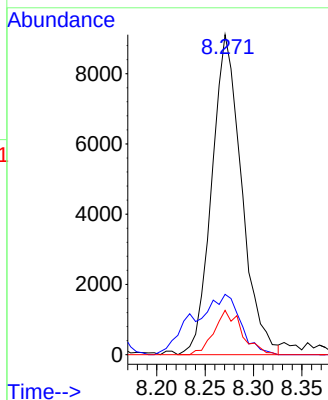
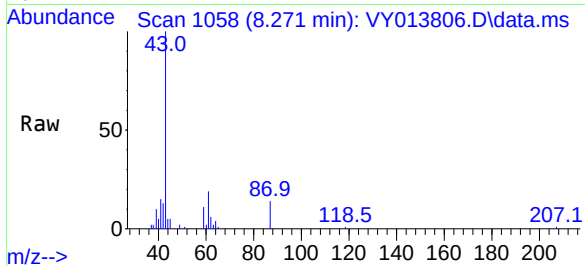




#43
Isopropyl Acetate
Concen: 4.744 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

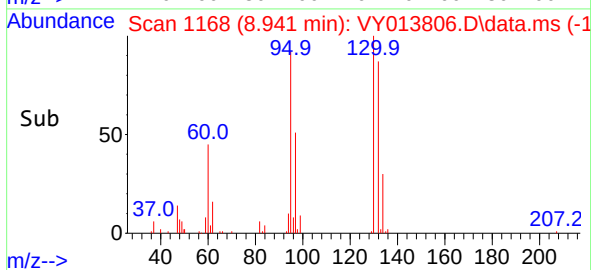
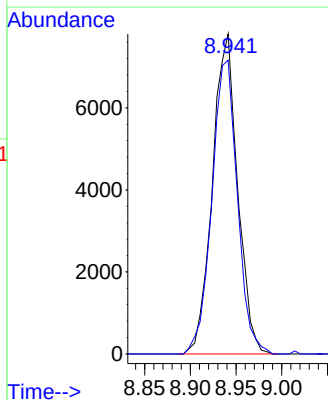
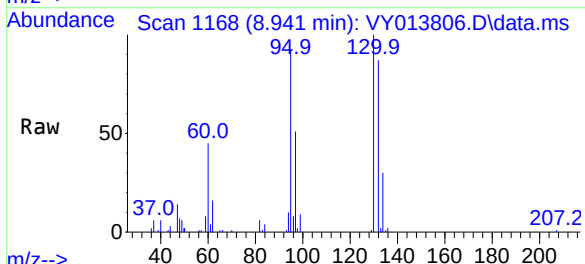
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023

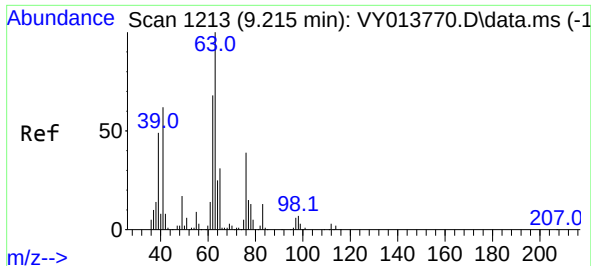
Tgt Ion:	43	Resp:	19514
Ion Ratio	Lower	Upper	
43	100		
61	21.5	20.6	31.0
87	13.0	9.0	13.6



#44
Trichloroethene
Concen: 5.965 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:	130	Resp:	14929
Ion Ratio	Lower	Upper	
130	100		
95	91.8	0.0	193.0

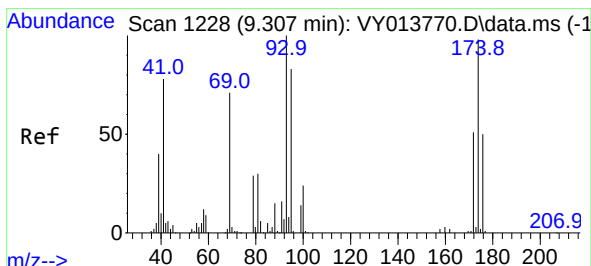
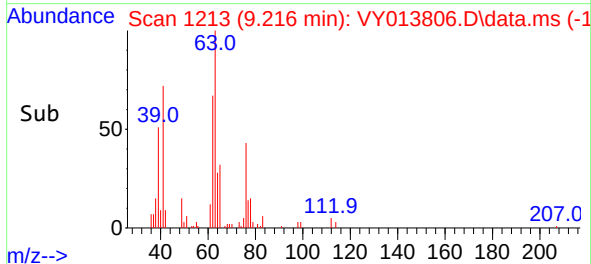
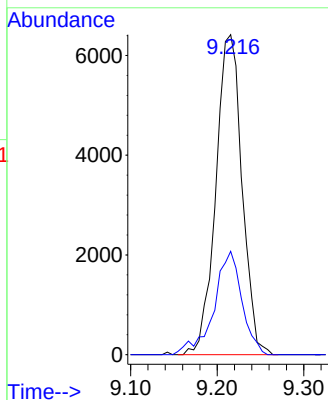
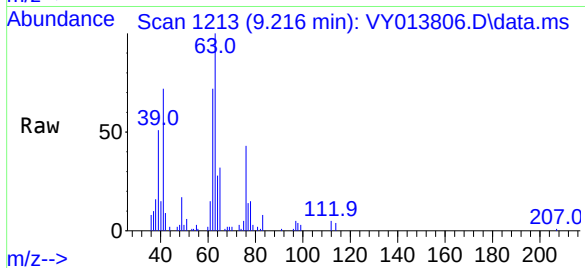




#45
1,2-Dichloropropane
Concen: 5.122 ug/l
RT: 9.216 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

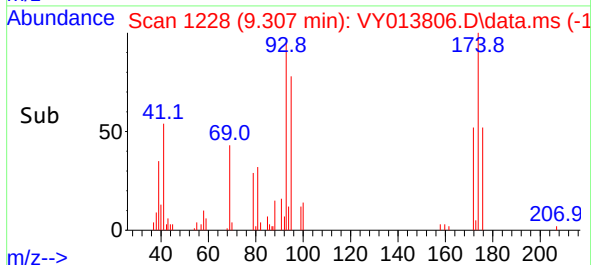
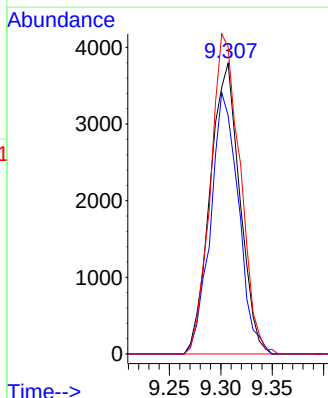
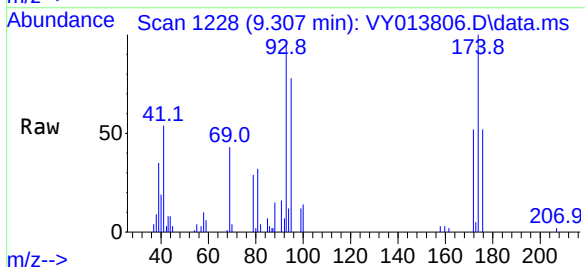
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

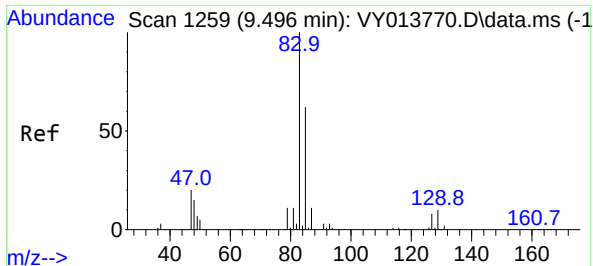
Tgt Ion: 63 Resp: 13475
Ion Ratio Lower Upper
63 100
65 32.3 24.9 37.3



#46
Dibromomethane
Concen: 5.160 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 93 Resp: 7603
Ion Ratio Lower Upper
93 100
95 84.6 65.8 98.6
174 109.8 79.5 119.3

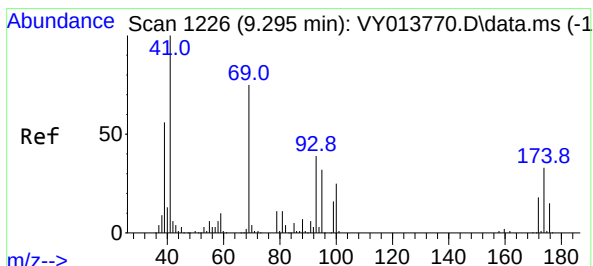
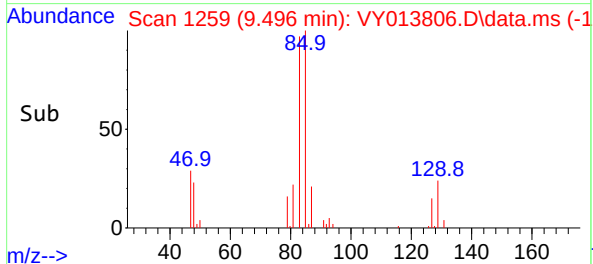
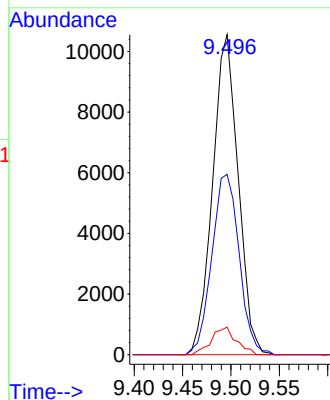
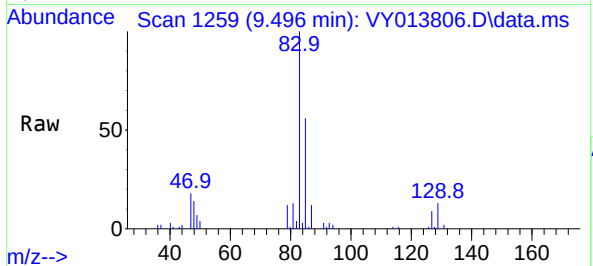




#47
Bromodichloromethane
Concen: 5.548 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

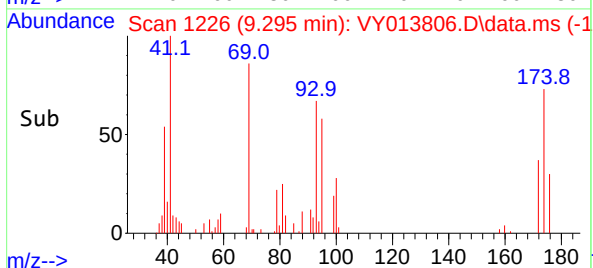
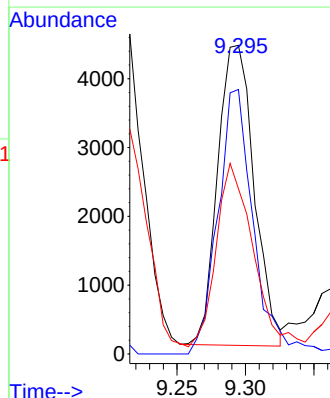
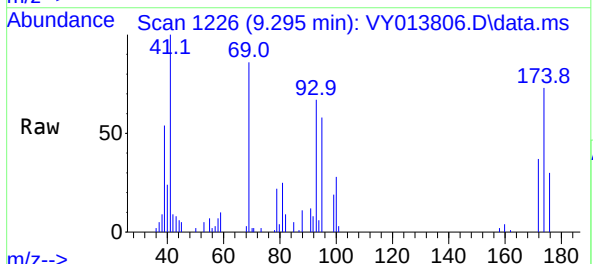
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

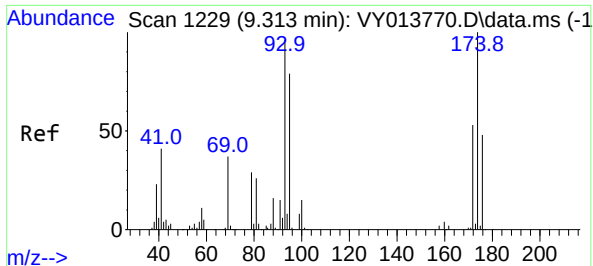
Tgt Ion:	83	Resp:	19359
Ion	Ratio	Lower	Upper
83	100		
85	56.4	49.6	74.4
127	8.6	6.3	9.5



#48
Methyl methacrylate
Concen: 4.281 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:	41	Resp:	8089
Ion	Ratio	Lower	Upper
41	100		
69	85.7	63.0	94.6
39	67.8	46.2	69.2

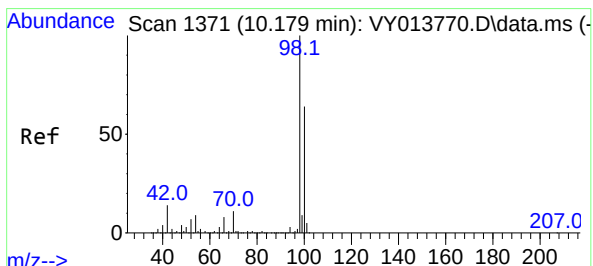
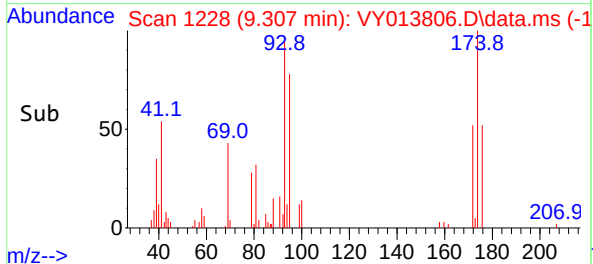
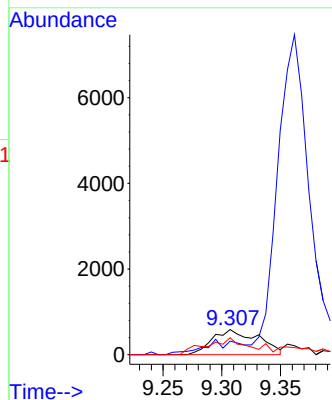
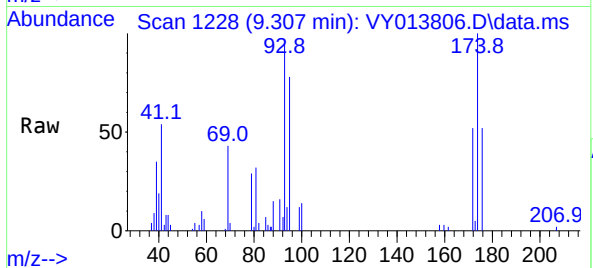




#49
1,4-Dioxane
Concen: 88.141 ug/l
RT: 9.307 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

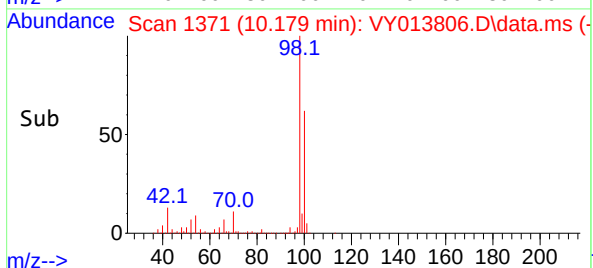
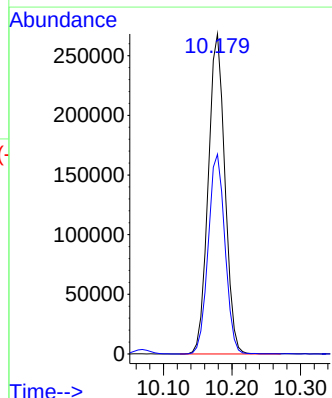
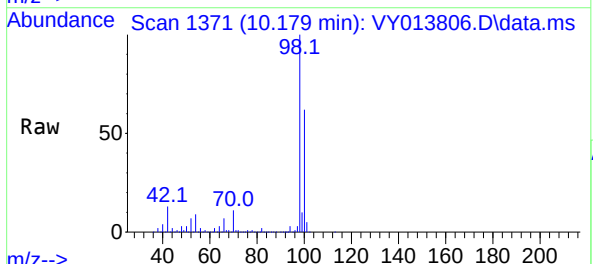
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

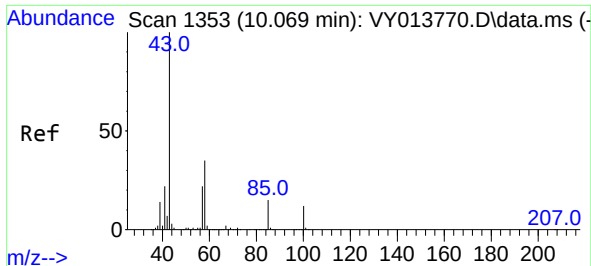
Tgt Ion: 88 Resp: 1594
Ion Ratio Lower Upper
88 100
43 26.6 26.1 39.1
58 56.0 62.2 93.2#



#50
Toluene-d8
Concen: 50.111 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 98 Resp: 453016
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.6

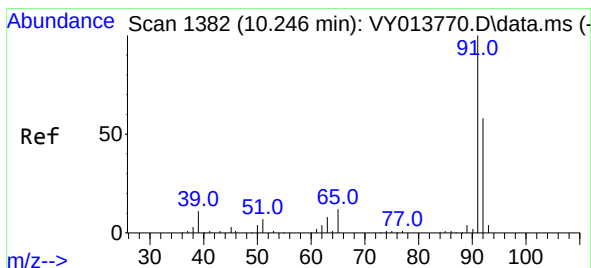
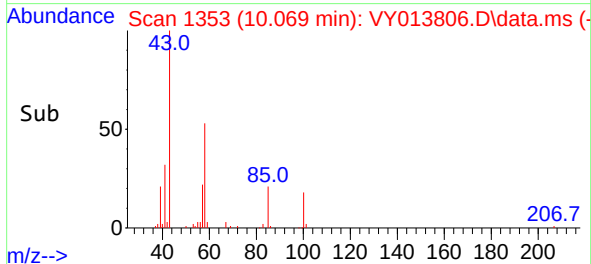
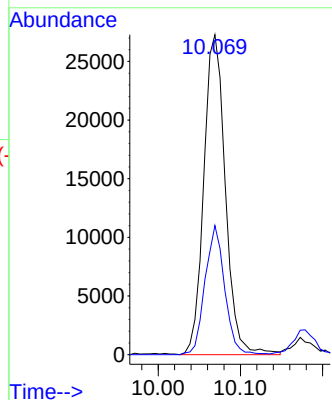
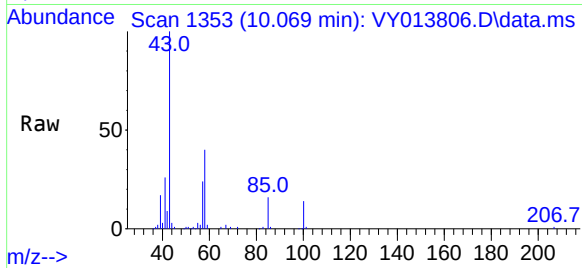




#51
4-Methyl-2-Pentanone
Concen: 21.732 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

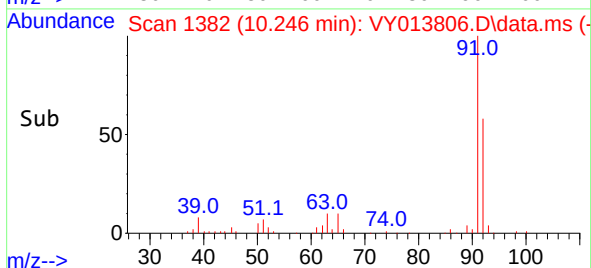
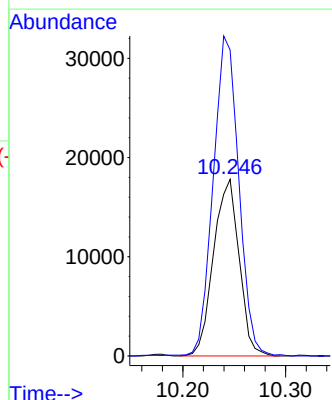
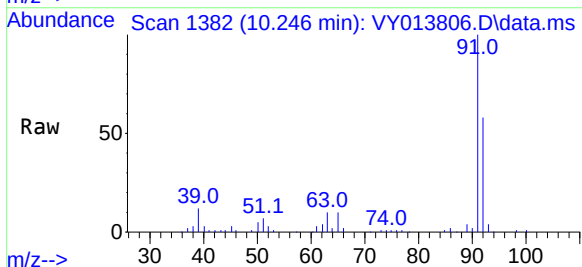
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

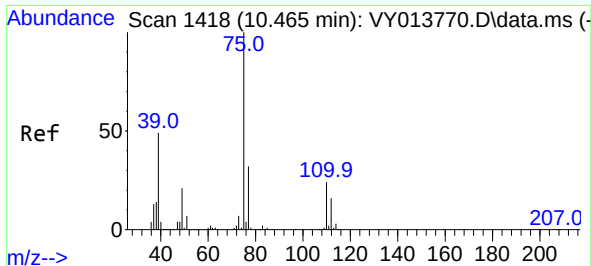
Tgt Ion: 43 Resp: 49782
Ion Ratio Lower Upper
43 100
58 36.6 28.2 42.2



#52
Toluene
Concen: 5.296 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 92 Resp: 30743
Ion Ratio Lower Upper
92 100
91 181.5 141.0 211.4

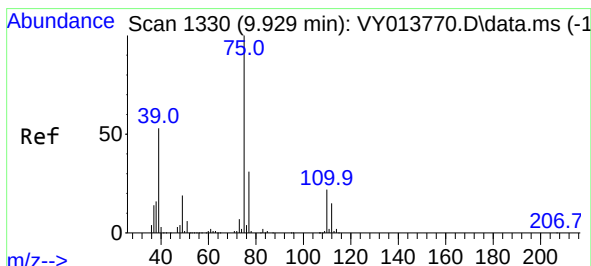
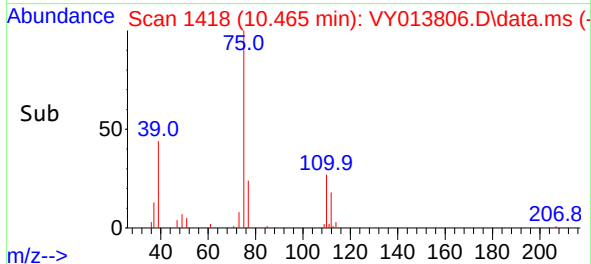
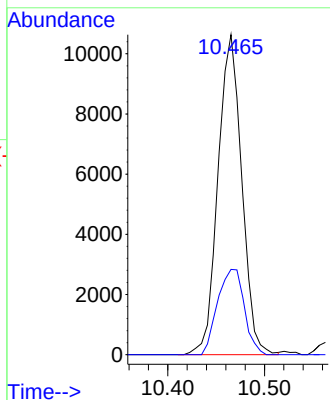
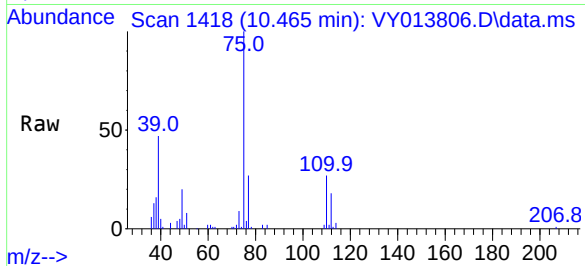




#53
t-1,3-Dichloropropene
Concen: 5.038 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

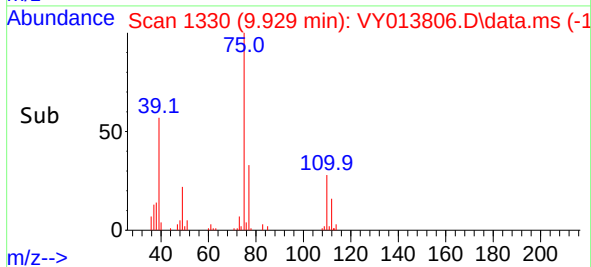
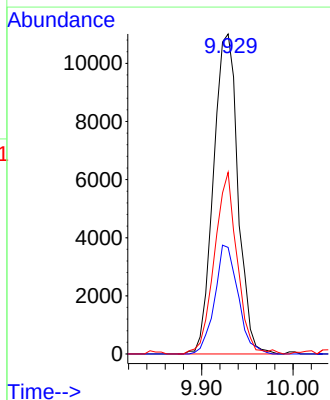
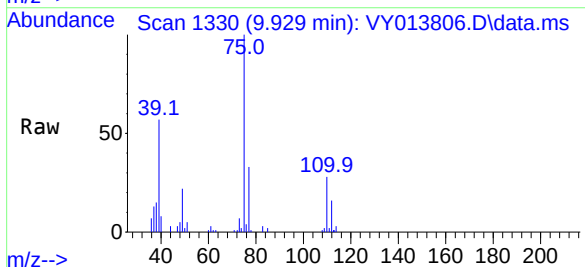
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023

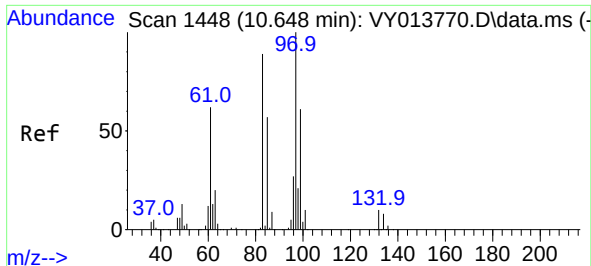
Tgt Ion: 75 Resp: 18125
Ion Ratio Lower Upper
75 100
77 26.7 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 5.111 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 75 Resp: 20516
Ion Ratio Lower Upper
75 100
77 33.3 24.8 37.2
39 56.8 42.6 63.8

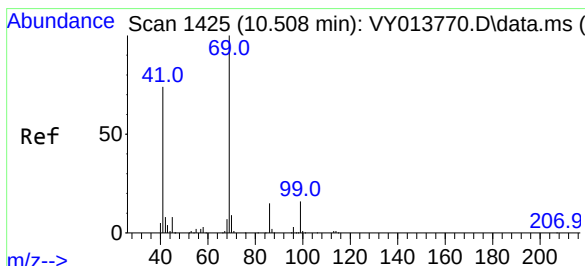
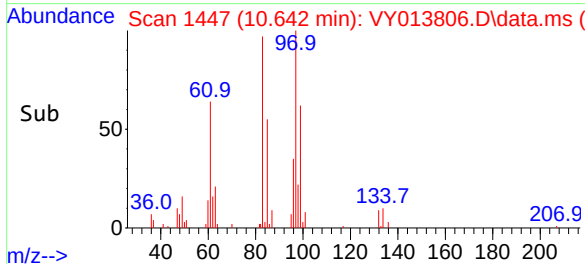
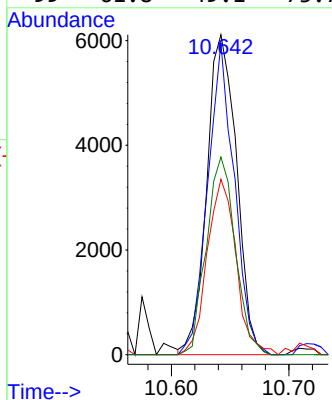
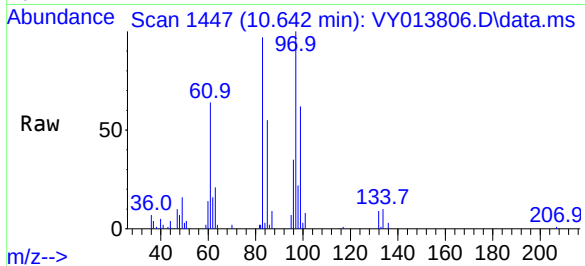




#55
1,1,2-Trichloroethane
Concen: 5.356 ug/l
RT: 10.642 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

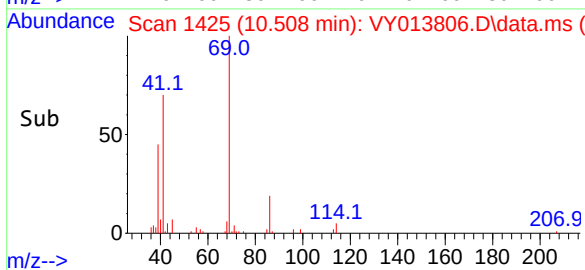
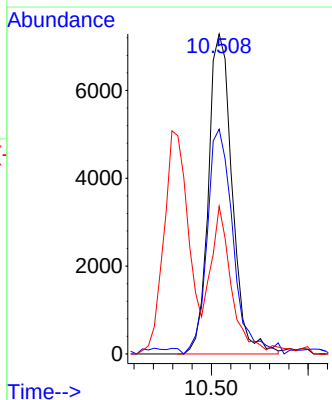
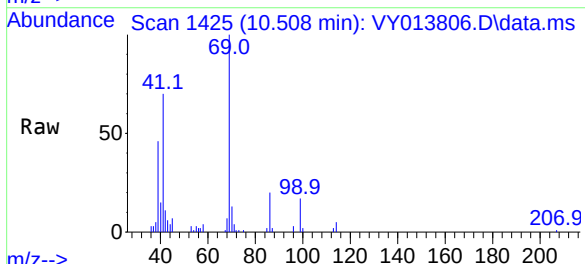
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

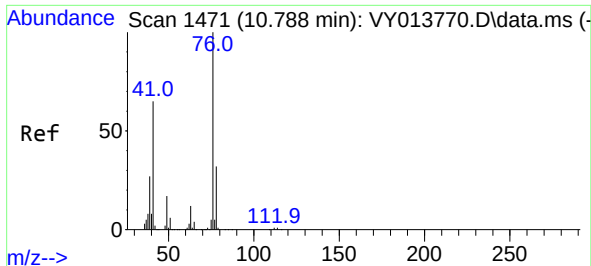
Tgt Ion:	97	Resp:	10734
Ion	Ratio	Lower	Upper
97	100		
83	97.4	71.1	106.7
85	54.8	45.7	68.5
99	61.8	49.1	73.7



#56
Ethyl methacrylate
Concen: 4.636 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:	69	Resp:	12399
Ion	Ratio	Lower	Upper
69	100		
41	77.5	58.3	87.5
39	38.1	31.8	47.8





#57

1,3-Dichloropropane

Concen: 5.139 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

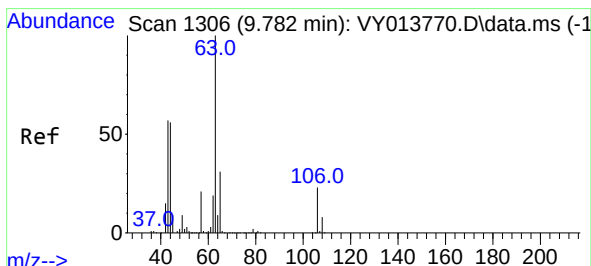
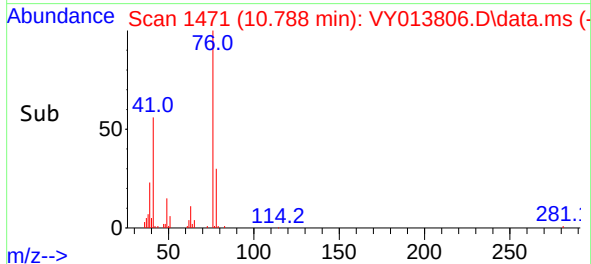
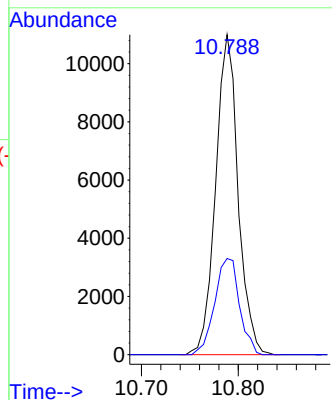
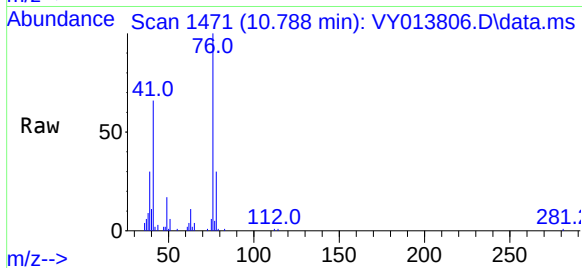
LOQ-SOIL-02-QT2-2023

Tgt Ion: 76 Resp: 17720

Ion Ratio Lower Upper

76 100

78 33.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 26.768 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013806.D

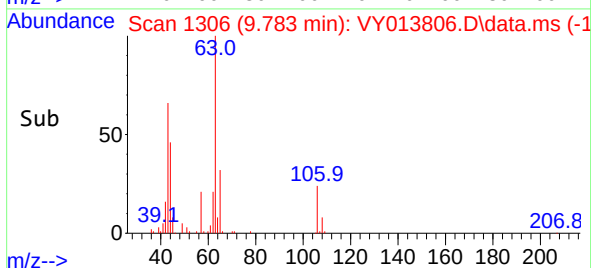
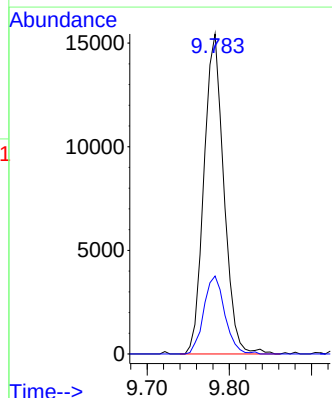
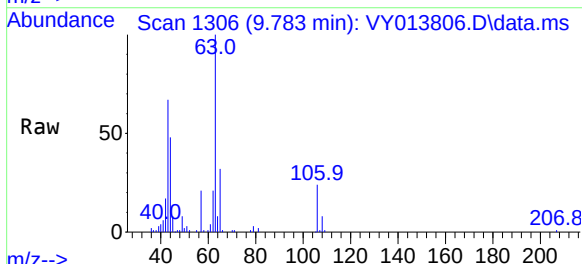
Acq: 18 May 2023 17:39

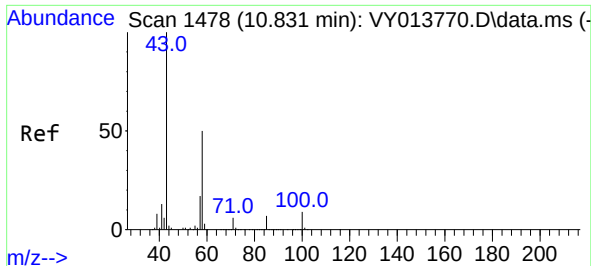
Tgt Ion: 63 Resp: 25937

Ion Ratio Lower Upper

63 100

106 25.7 19.7 29.5

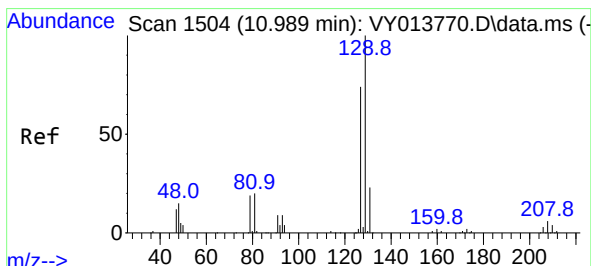
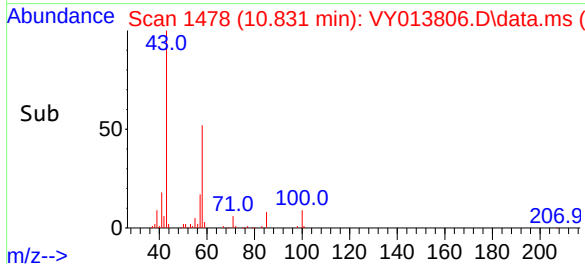
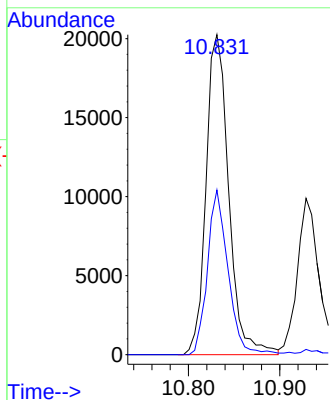
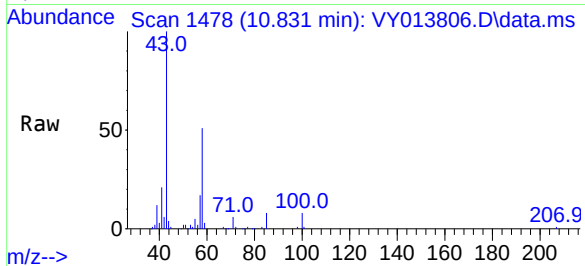




#59
2-Hexanone
Concen: 21.383 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

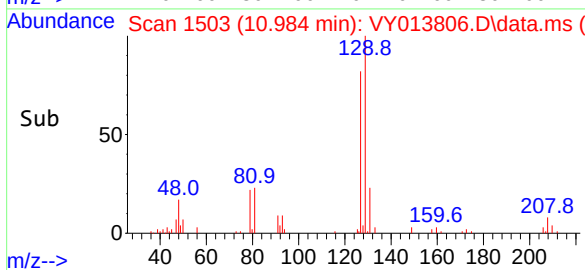
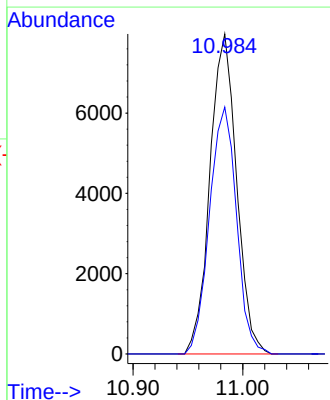
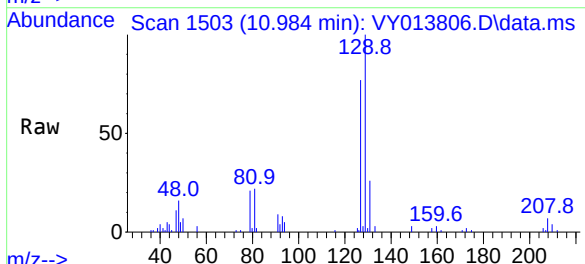
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023

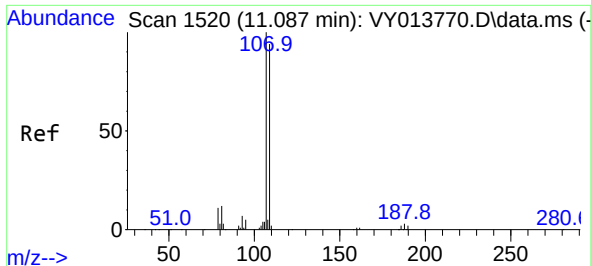
Tgt Ion: 43 Resp: 34818
Ion Ratio Lower Upper
43 100
58 46.9 24.8 74.4



#60
Dibromochloromethane
Concen: 5.554 ug/l
RT: 10.984 min Scan# 1503
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 129 Resp: 13488
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.7

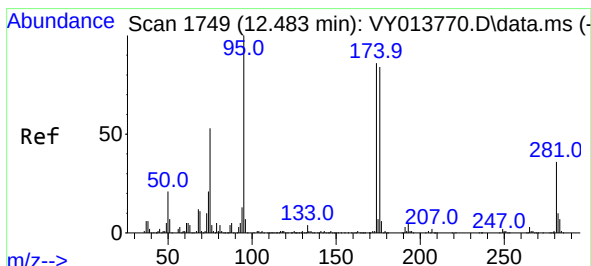
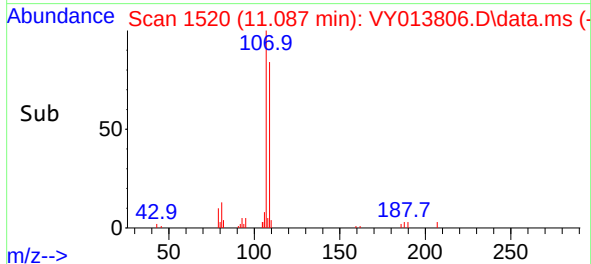
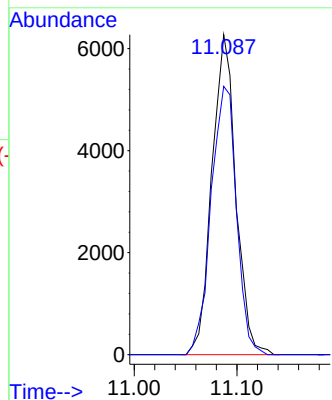
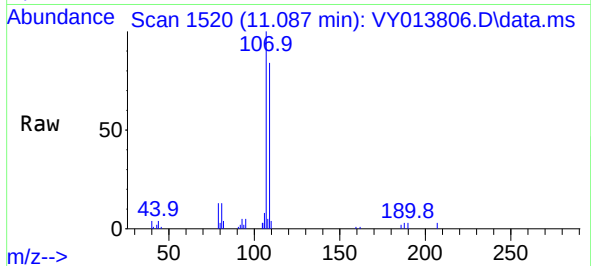




#61
1,2-Dibromoethane
Concen: 5.364 ug/l
RT: 11.087 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

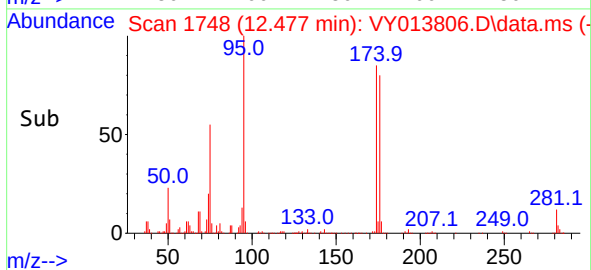
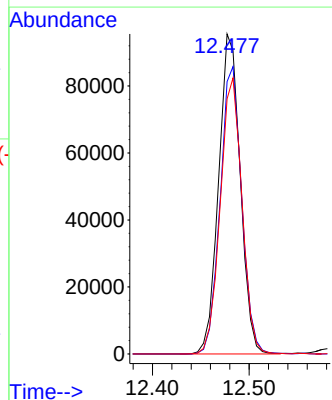
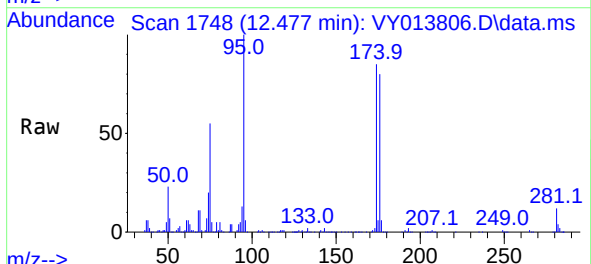
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

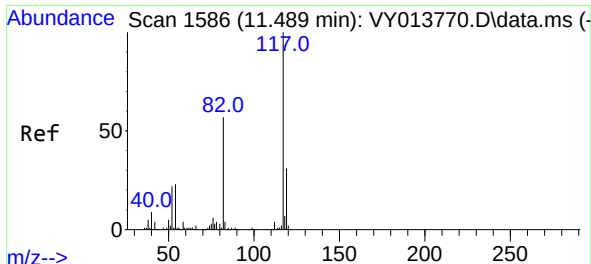
Tgt Ion:107 Resp: 10138
Ion Ratio Lower Upper
107 100
109 88.9 76.2 114.4



#62
4-Bromofluorobenzene
Concen: 49.234 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 95 Resp: 147837
Ion Ratio Lower Upper
95 100
174 89.5 0.0 168.8
176 86.6 0.0 165.2

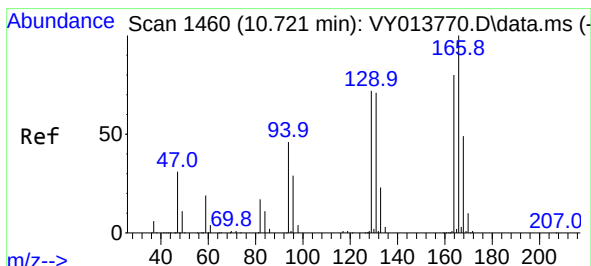
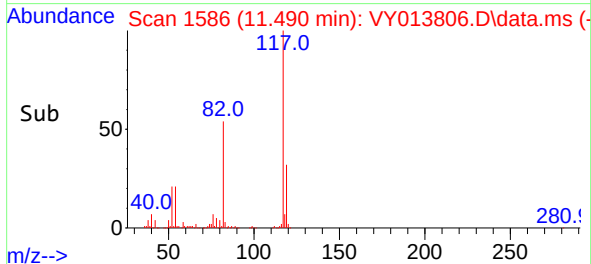
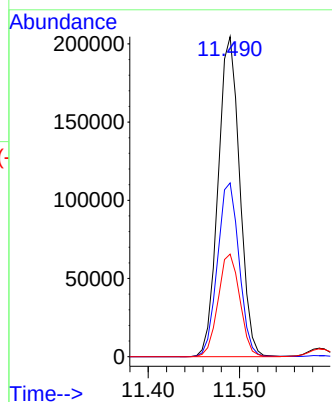
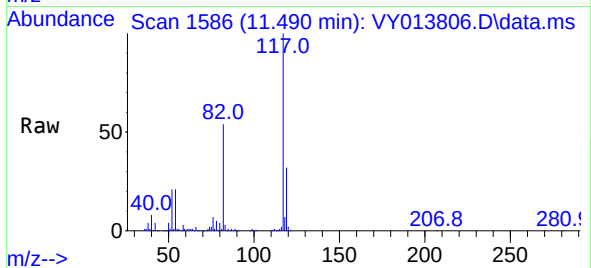




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

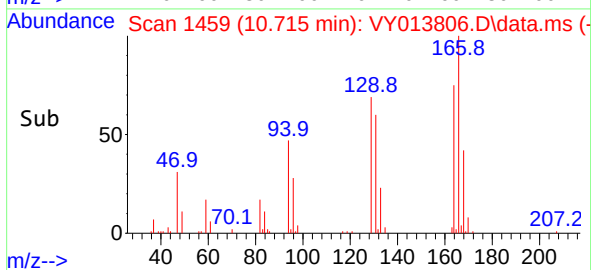
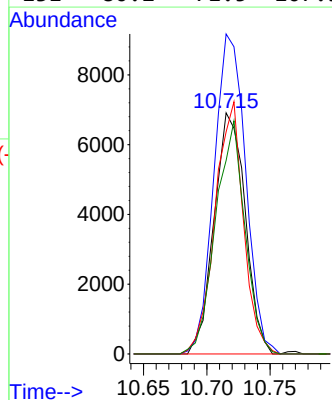
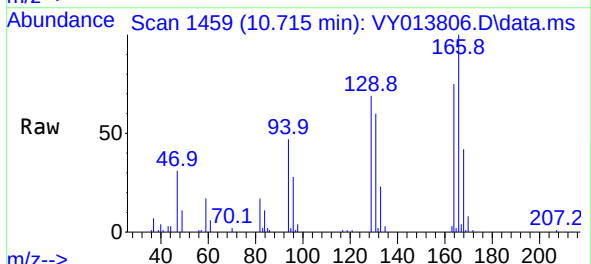
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

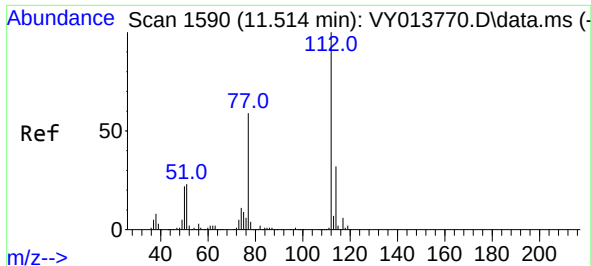
Tgt Ion:	117	Resp:	335446
Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.5	68.3
119	32.1	24.8	37.2



#64
Tetrachloroethene
Concen: 5.554 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:	164	Resp:	11818
Ion	Ratio	Lower	Upper
164	100		
166	132.7	100.5	150.7
129	92.1	72.5	108.7
131	80.2	71.5	107.3

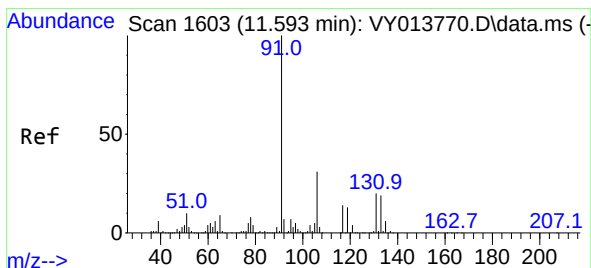
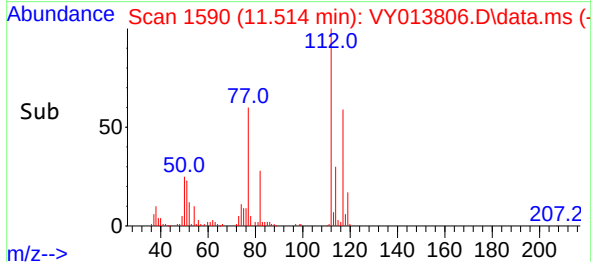
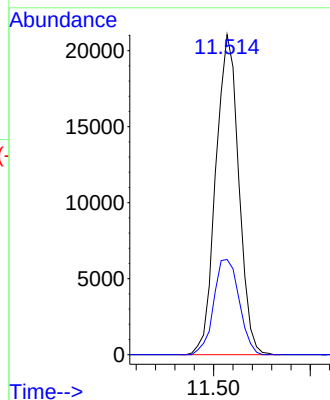
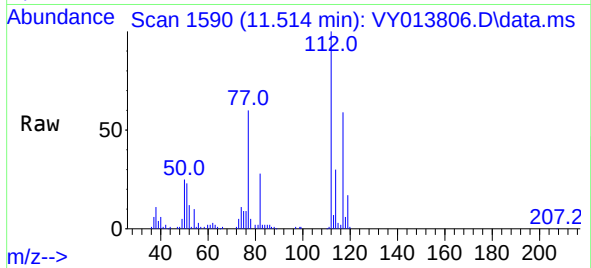




#65
Chlorobenzene
Concen: 5.454 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

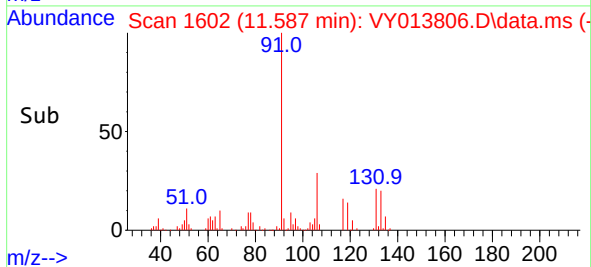
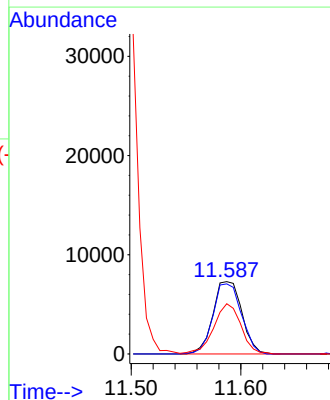
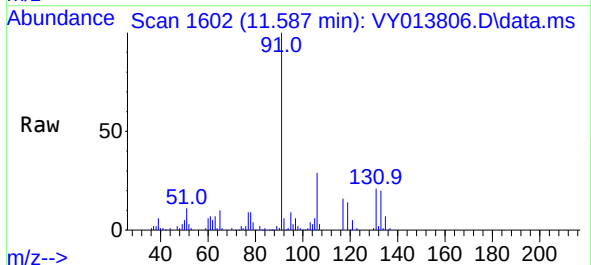
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

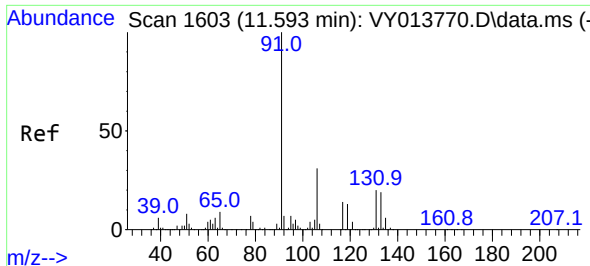
Tgt Ion:112 Resp: 34628
Ion Ratio Lower Upper
112 100
114 29.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.428 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:131 Resp: 13391
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.4
119 65.4 32.9 98.7

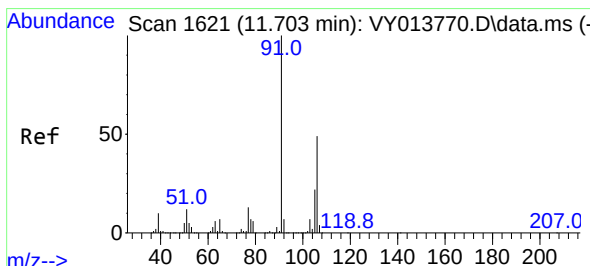
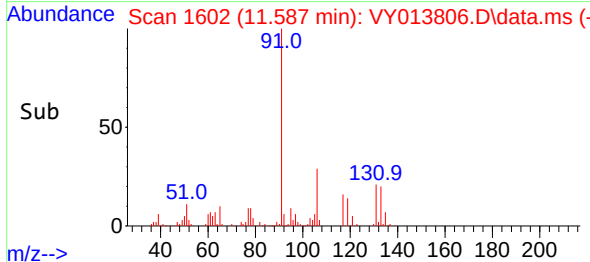
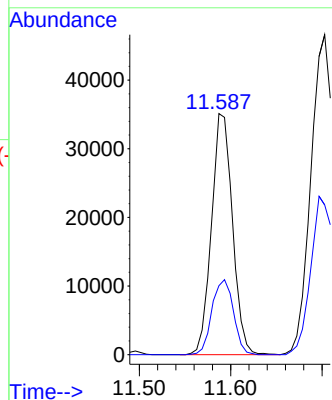
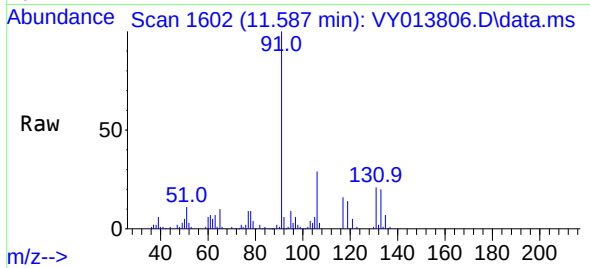




#67
Ethyl Benzene
Concen: 4.968 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

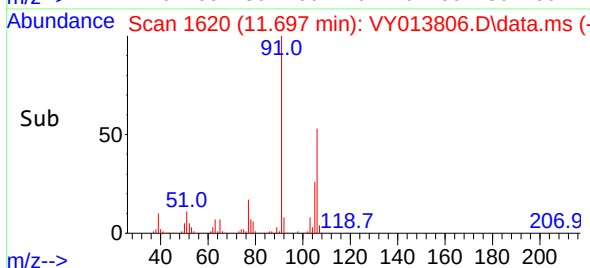
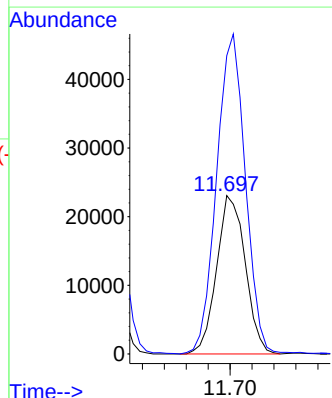
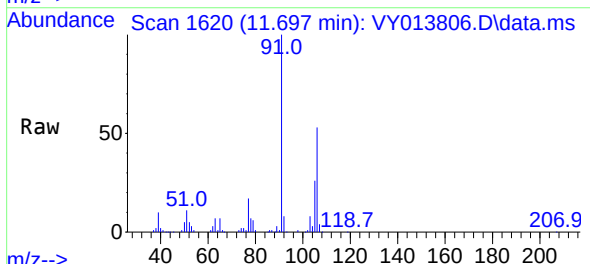
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023

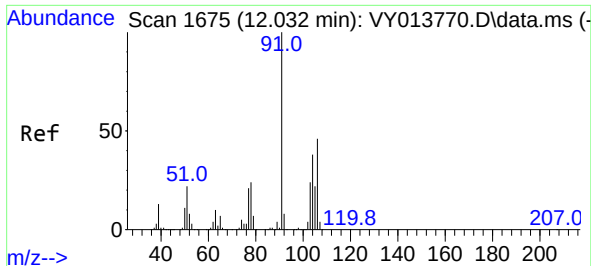
Tgt Ion: 91 Resp: 56049
Ion Ratio Lower Upper
91 100
106 28.6 25.0 37.6



#68
m/p-Xylenes
Concen: 9.913 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 106 Resp: 41891
Ion Ratio Lower Upper
106 100
91 203.4 164.0 246.0

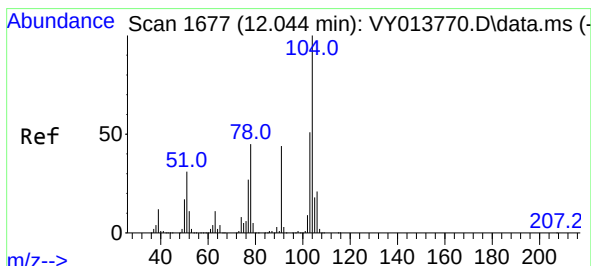
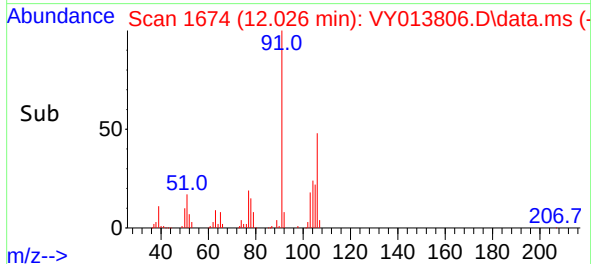
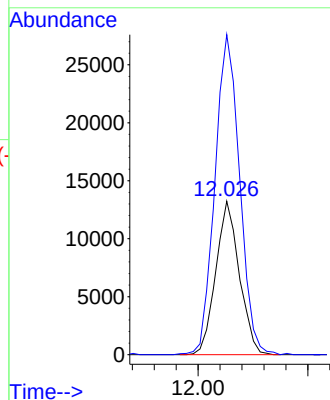
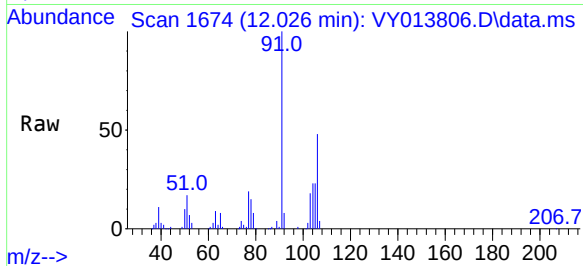




#69
o-Xylene
Concen: 4.908 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

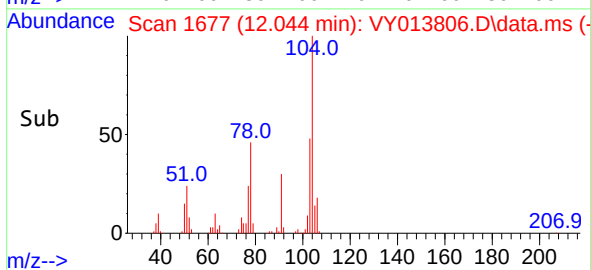
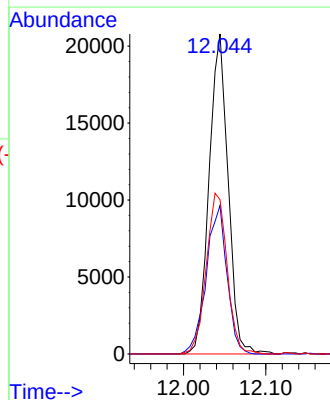
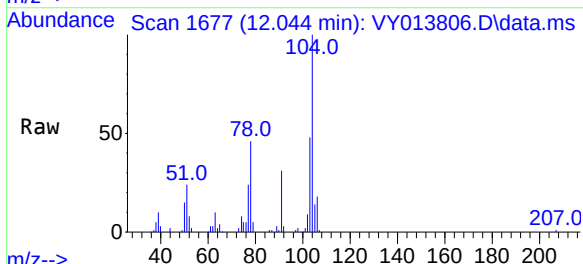
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

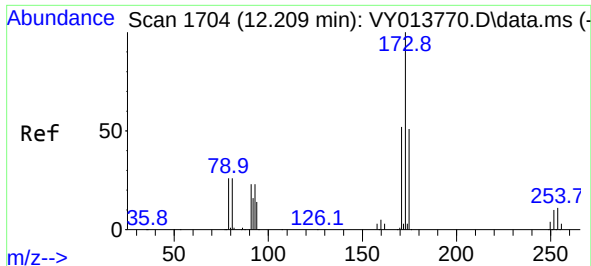
Tgt Ion:106 Resp: 19729
Ion Ratio Lower Upper
106 100
91 219.3 108.4 325.2



#70
Styrene
Concen: 4.892 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:104 Resp: 33397
Ion Ratio Lower Upper
104 100
78 50.6 40.6 61.0
103 55.2 44.6 66.8

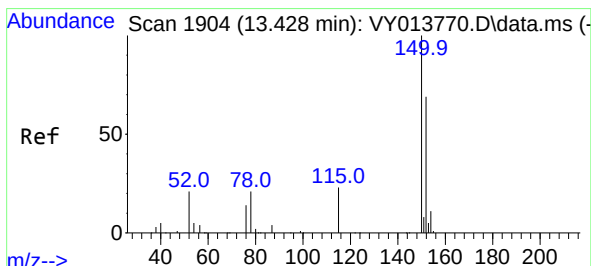
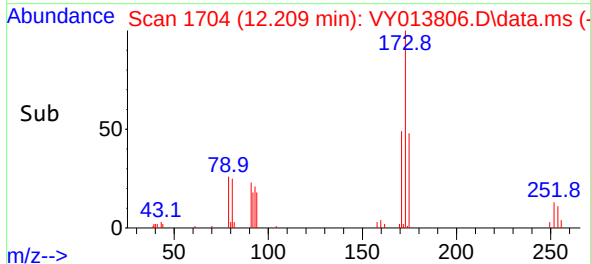
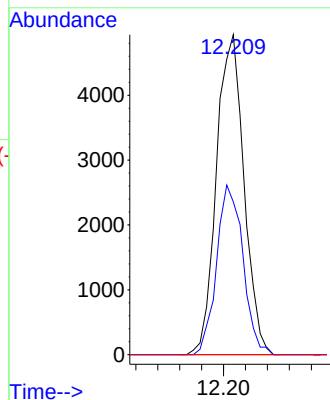
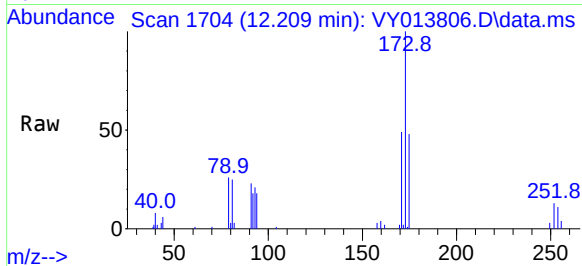




#71
Bromoform
Concen: 5.274 ug/l
RT: 12.209 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

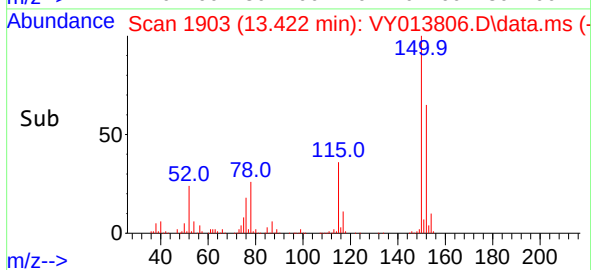
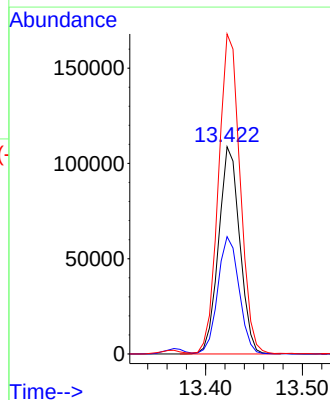
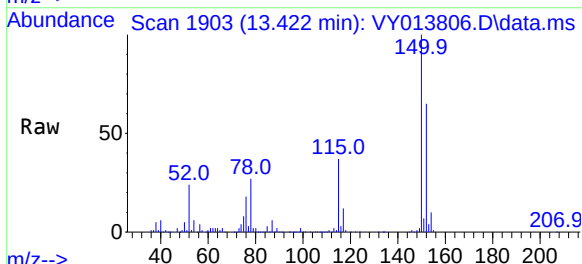
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

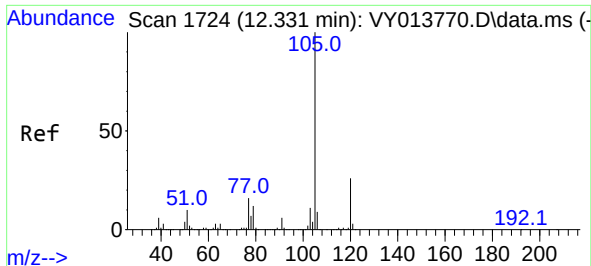
Tgt Ion:173 Resp: 8595
Ion Ratio Lower Upper
173 100
175 50.8 24.9 74.7
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:152 Resp: 164696
Ion Ratio Lower Upper
152 100
115 57.2 28.5 85.5
150 158.6 0.0 347.0

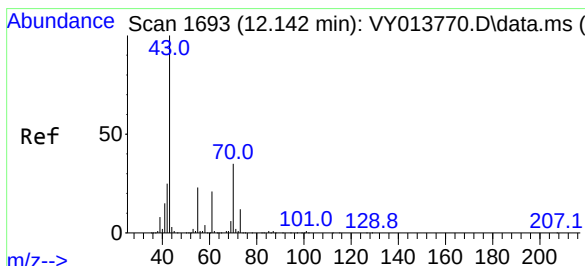
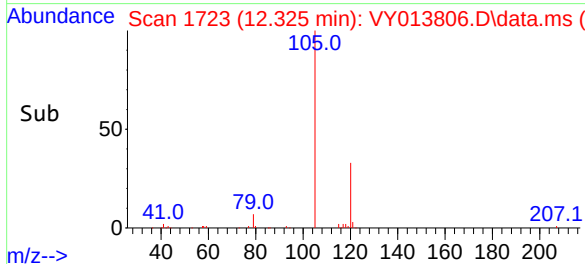
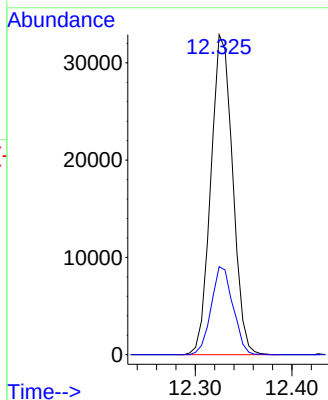
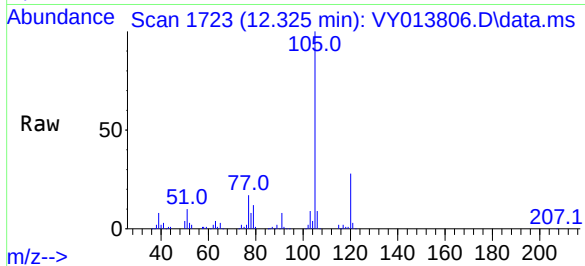




#73
Isopropylbenzene
Concen: 4.619 ug/l
RT: 12.325 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

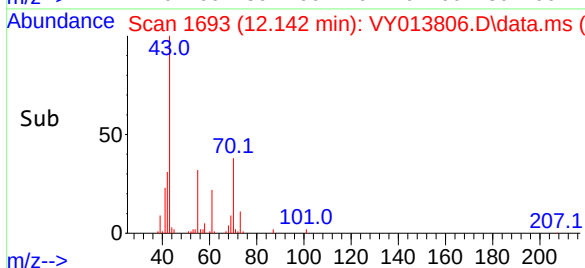
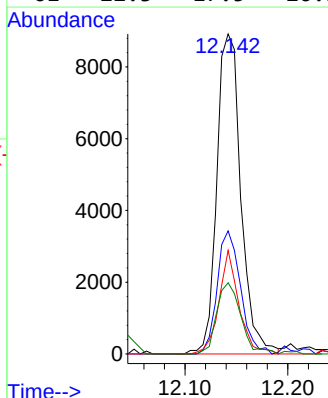
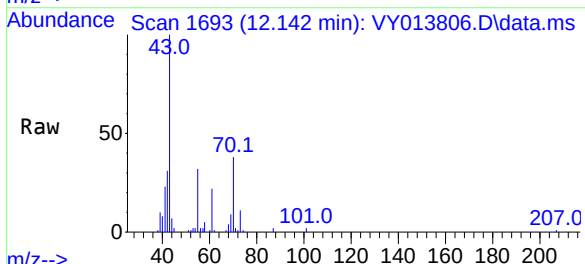
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

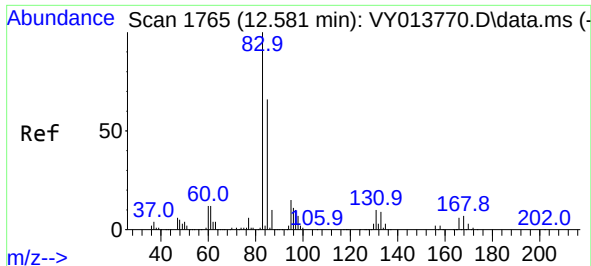
Tgt Ion:105 Resp: 51496
Ion Ratio Lower Upper
105 100
120 27.5 13.2 39.6



#74
N-ethyl acetate
Concen: 3.826 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 43 Resp: 14478
Ion Ratio Lower Upper
43 100
70 37.2 28.8 43.2
55 26.8 18.5 27.7
61 22.3 17.5 26.3

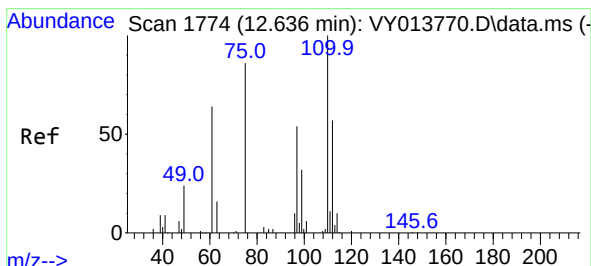
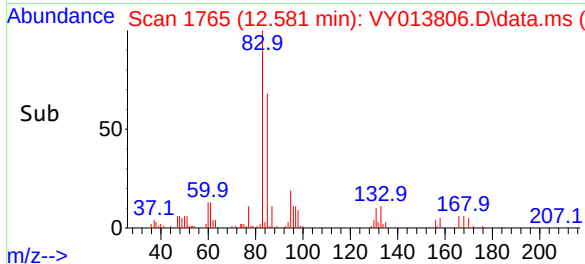
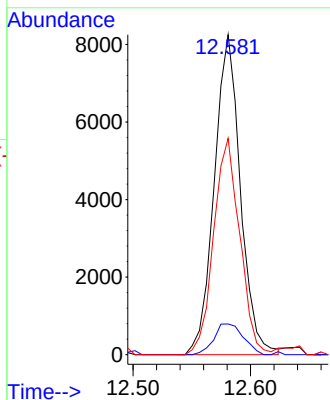
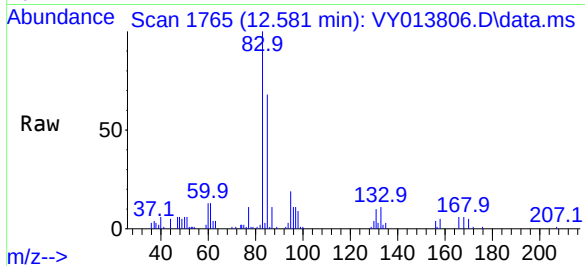




#75
1,1,2,2-Tetrachloroethane
Concen: 4.833 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

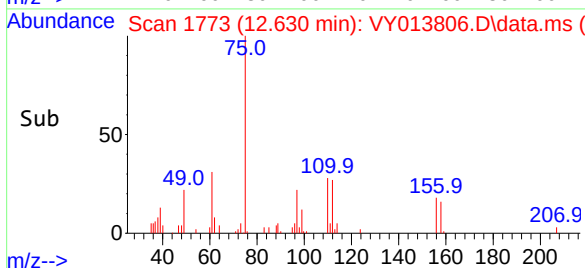
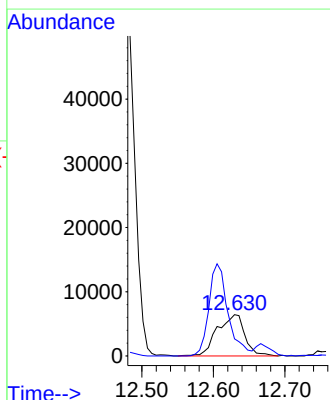
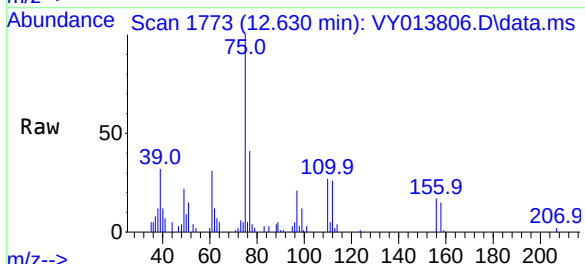
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023

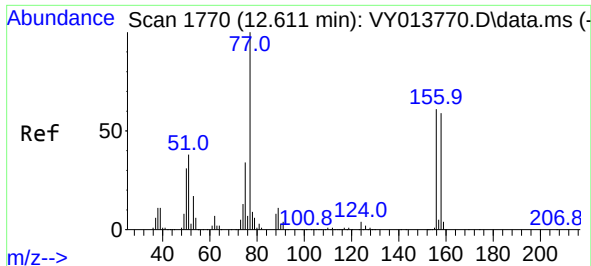
Tgt Ion: 83 Resp: 12766
Ion Ratio Lower Upper
83 100
131 10.8 5.1 15.2
85 67.5 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 8.628 ug/l
RT: 12.630 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 75 Resp: 17197
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

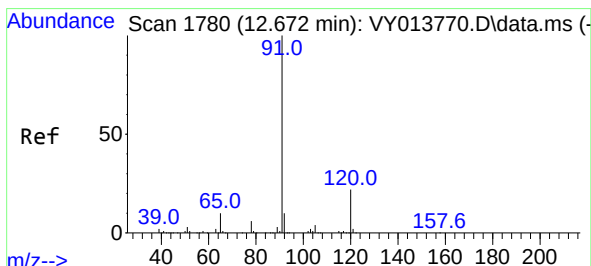
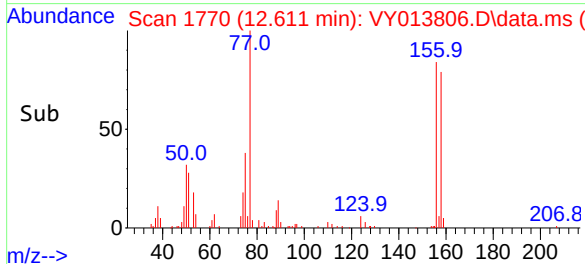
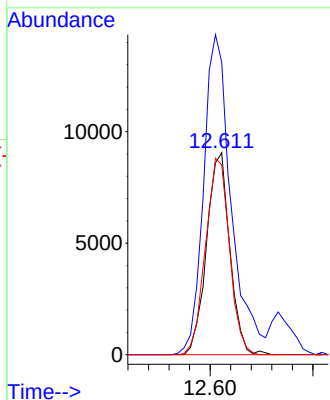
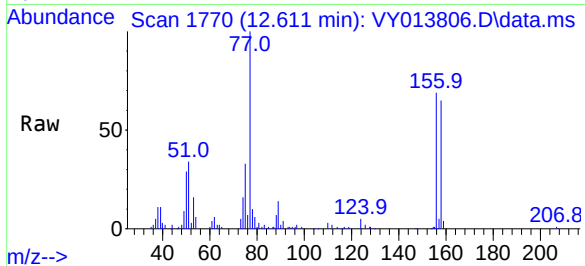




#77
Bromobenzene
Concen: 5.290 ug/l
RT: 12.611 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

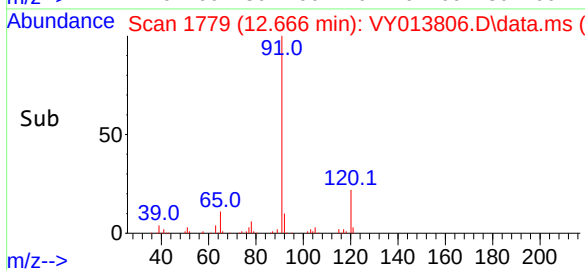
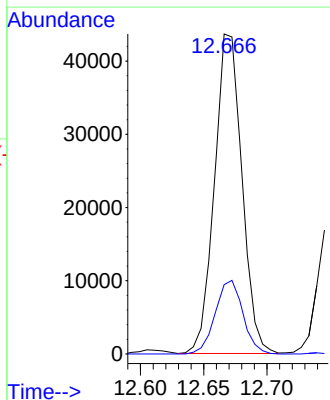
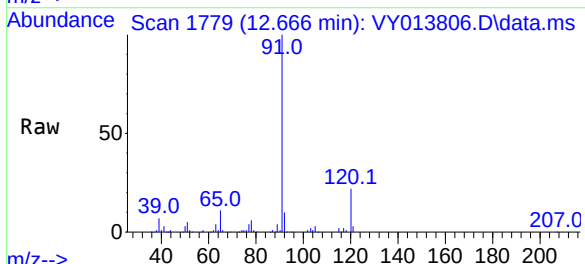
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

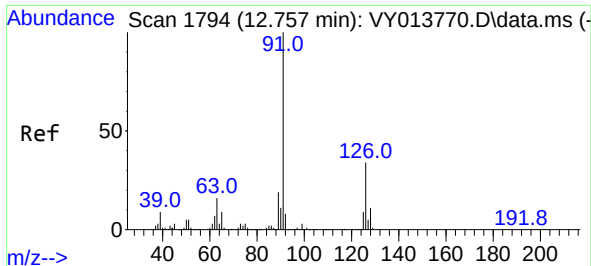
Tgt Ion:156 Resp: 14227
Ion Ratio Lower Upper
156 100
77 187.9 97.1 291.3
158 100.0 49.1 147.3



#78
n-propylbenzene
Concen: 4.795 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 91 Resp: 65857
Ion Ratio Lower Upper
91 100
120 23.2 10.9 32.9

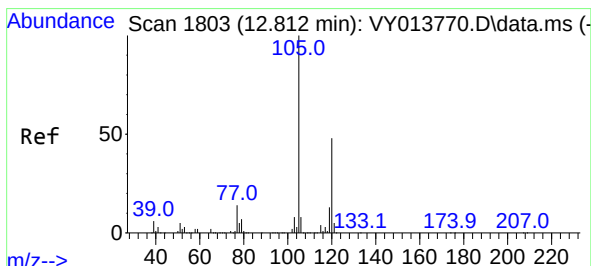
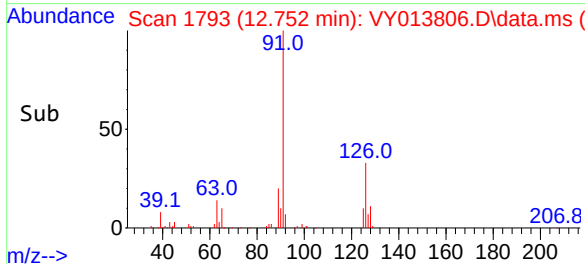
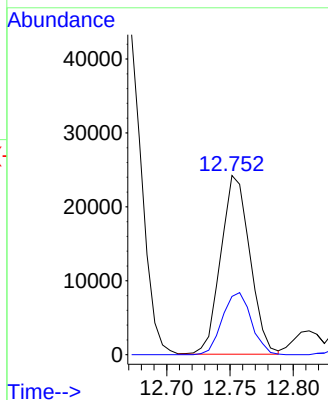
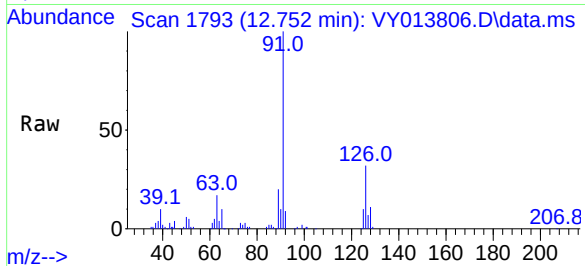




#79
2-Chlorotoluene
Concen: 5.001 ug/l
RT: 12.752 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

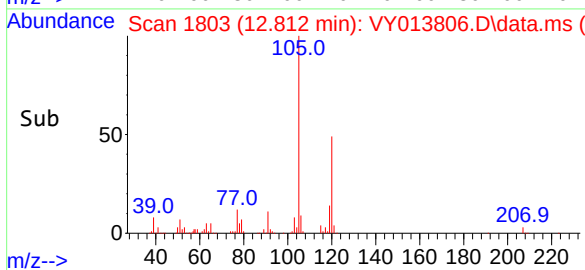
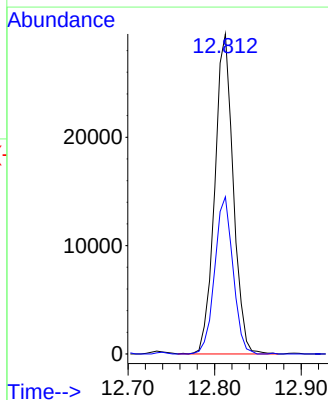
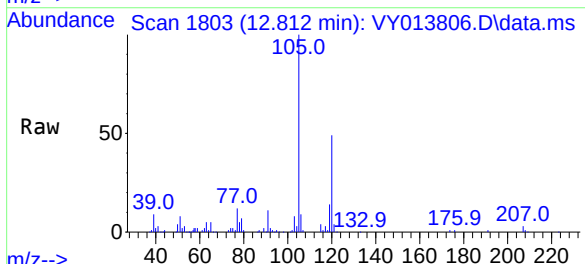
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

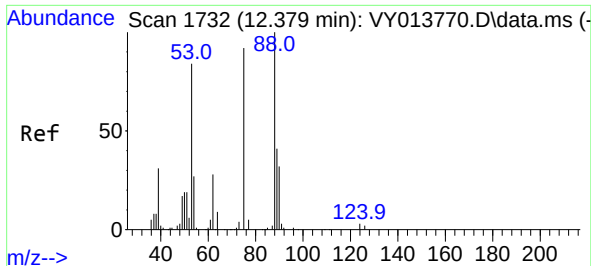
Tgt Ion: 91 Resp: 38764
Ion Ratio Lower Upper
91 100
126 34.5 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 4.810 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:105 Resp: 43730
Ion Ratio Lower Upper
105 100
120 48.5 23.8 71.5

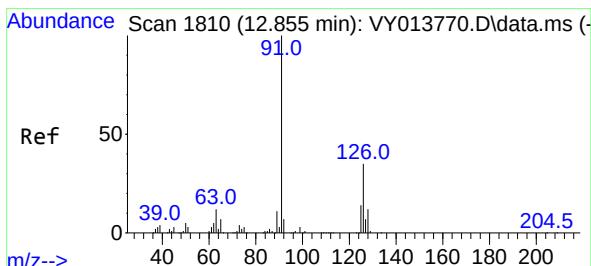
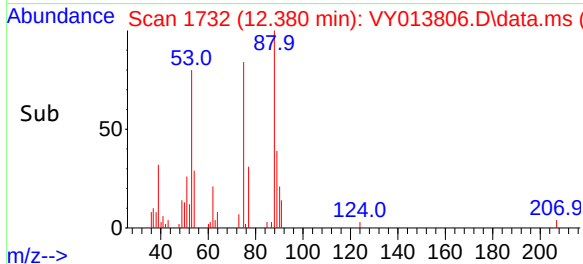
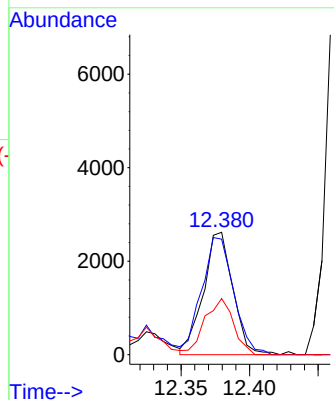
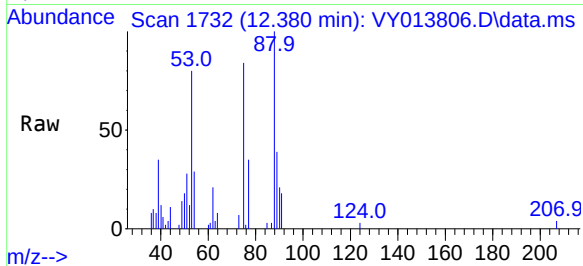




#81
trans-1,4-Dichloro-2-butene
Concen: 4.387 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

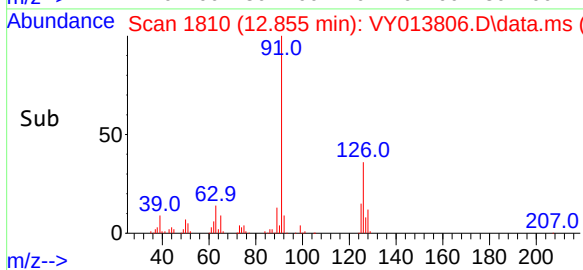
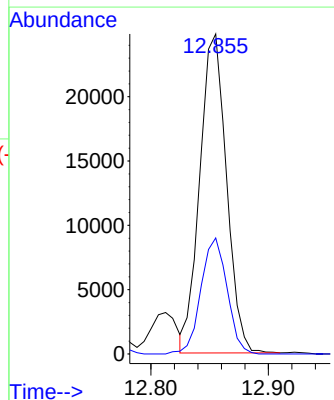
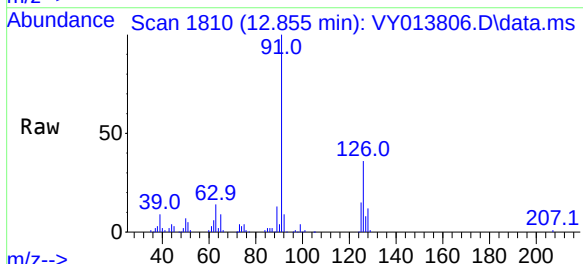
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

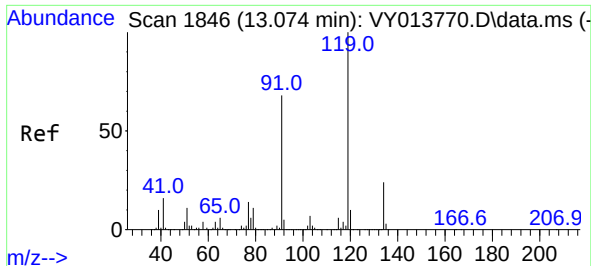
Tgt Ion:	75	Resp:	3928
Ion	Ratio	Lower	Upper
75	100		
53	103.9	75.3	112.9
89	44.6	35.4	53.2



#82
4-Chlorotoluene
Concen: 4.858 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:	91	Resp:	39229
Ion	Ratio	Lower	Upper
91	100		
126	35.5	16.8	50.4

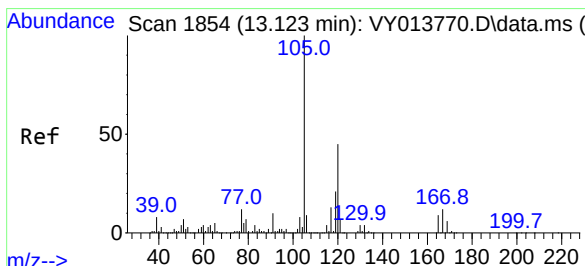
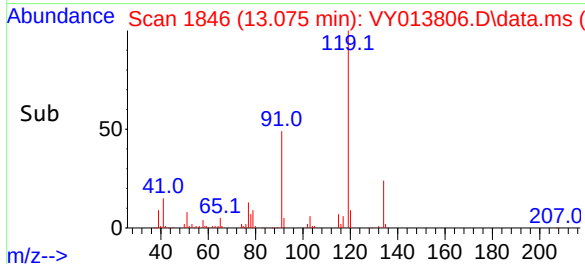
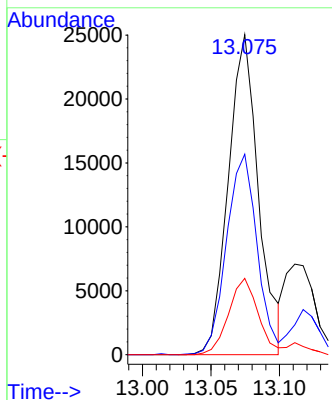
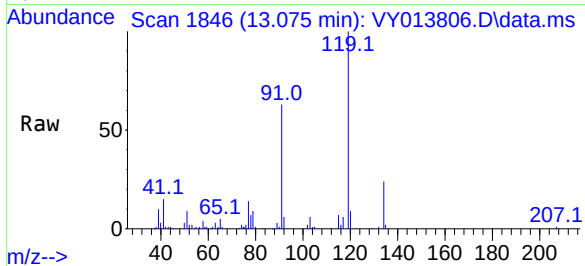




#83
tert-Butylbenzene
Concen: 4.856 ug/l
RT: 13.075 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

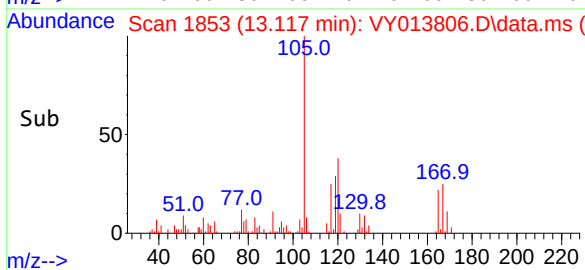
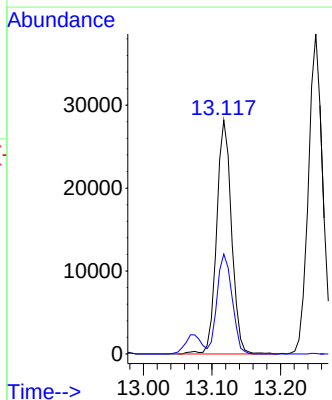
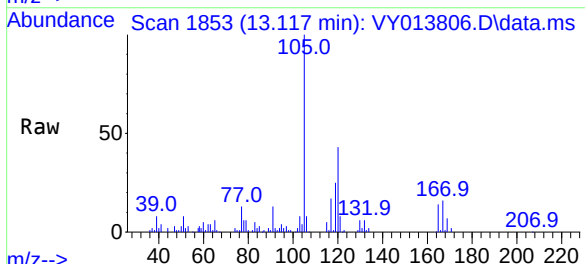
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

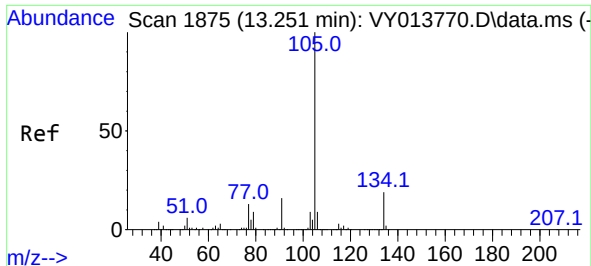
Tgt Ion:119	Resp:	38447
Ion Ratio	Lower	Upper
119	100	
91	63.4	33.3 99.9
134	23.3	13.1 39.1



#84
1,2,4-Trimethylbenzene
Concen: 4.757 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:105	Resp:	42387
Ion Ratio	Lower	Upper
105	100	
120	43.1	22.2 66.6

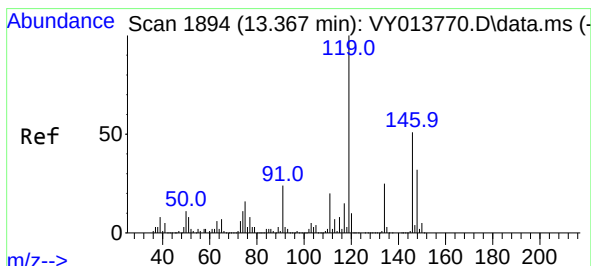
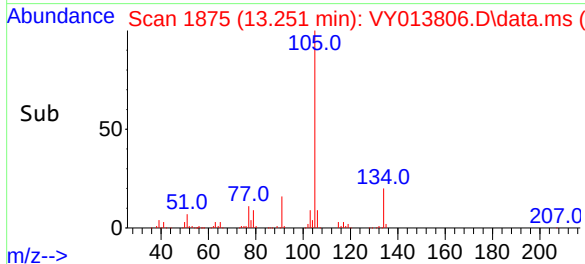
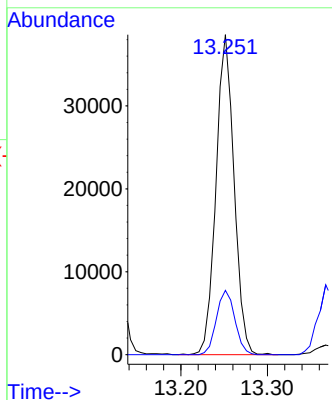
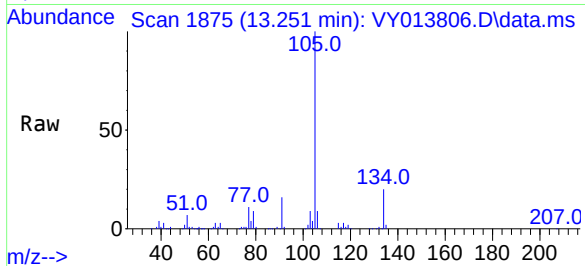




#85
 sec-Butylbenzene
 Concen: 4.678 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

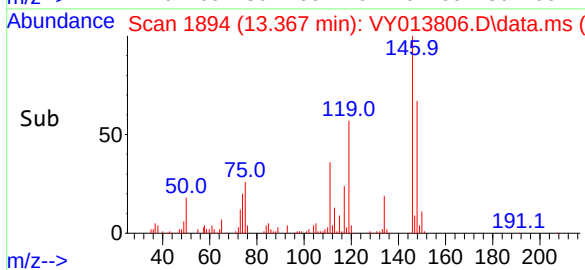
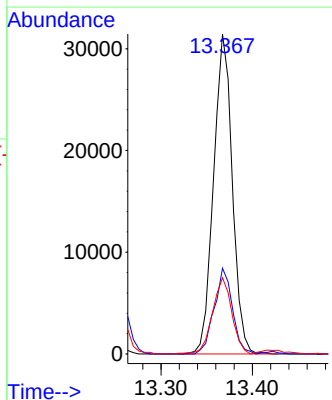
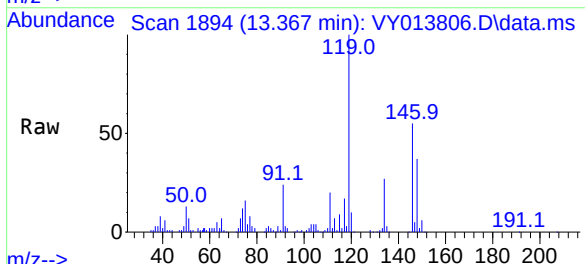
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

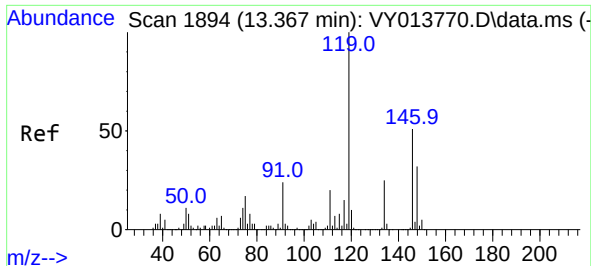
Tgt Ion:105 Resp: 55886
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 4.643 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

Tgt Ion:119 Resp: 44784
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 24.6 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 5.274 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

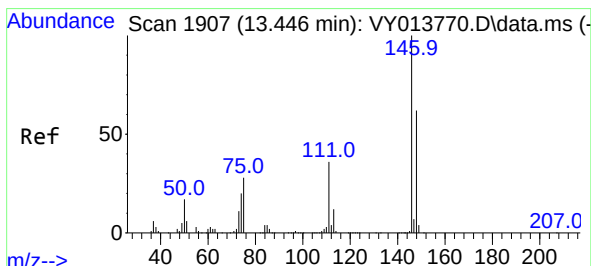
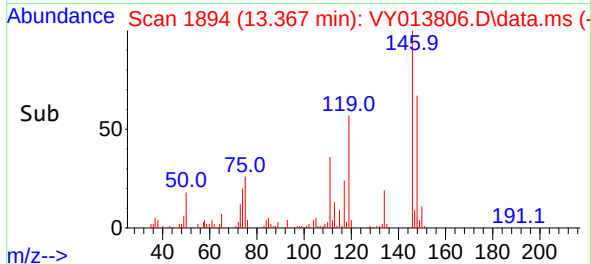
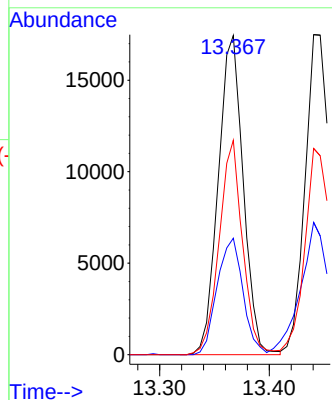
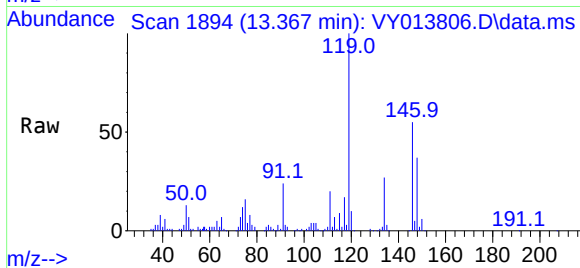
Tgt Ion:146 Resp: 27615

Ion Ratio Lower Upper

146 100

111 37.7 19.7 59.0

148 63.1 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 5.203 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

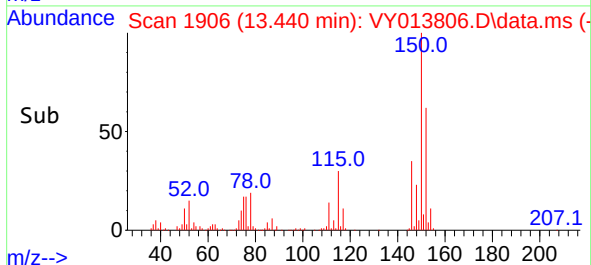
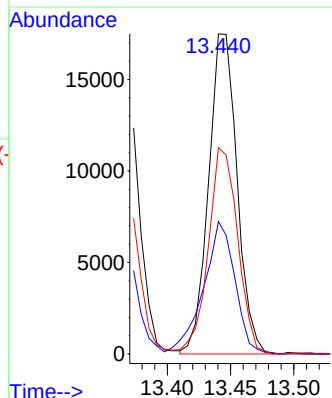
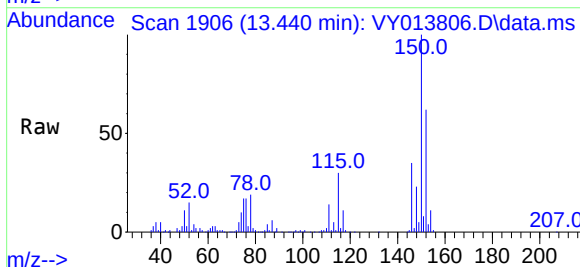
Tgt Ion:146 Resp: 27396

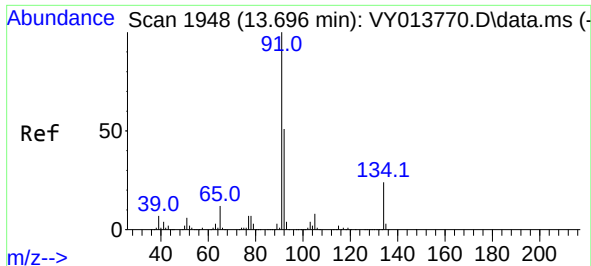
Ion Ratio Lower Upper

146 100

111 45.8 18.9 56.7

148 66.6 31.6 94.7

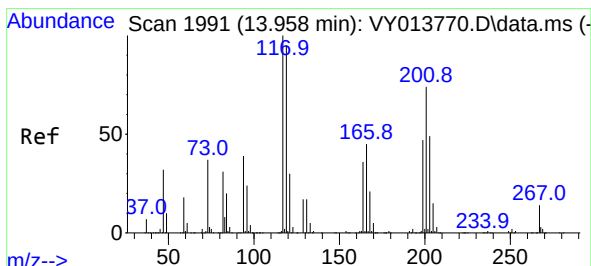
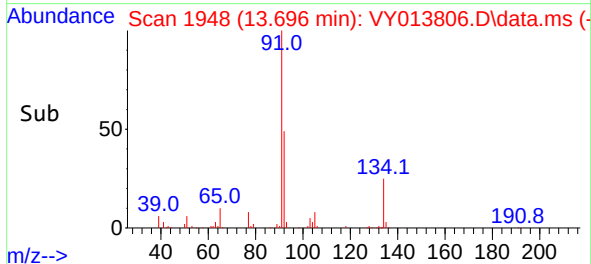
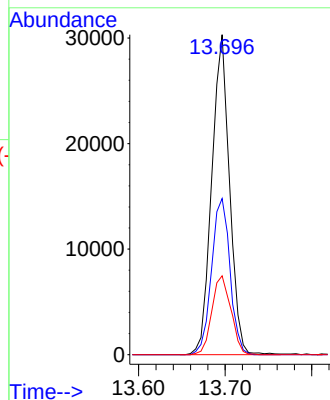
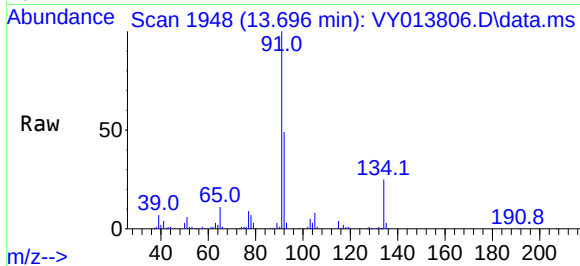




#89
n-Butylbenzene
Concen: 4.572 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

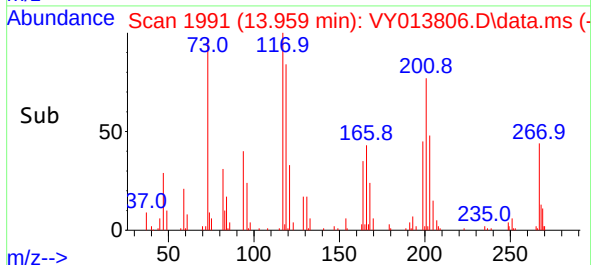
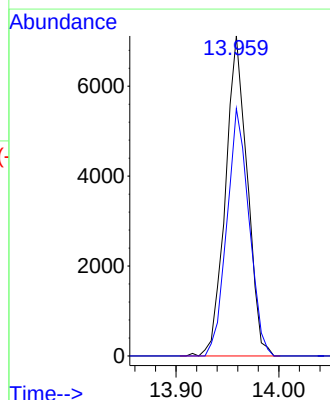
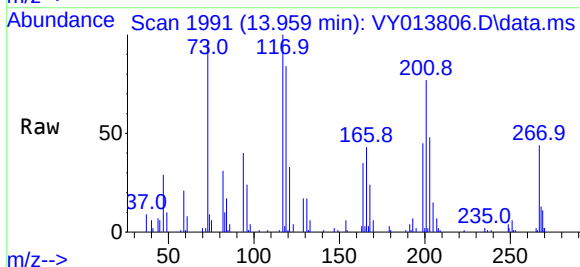
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023

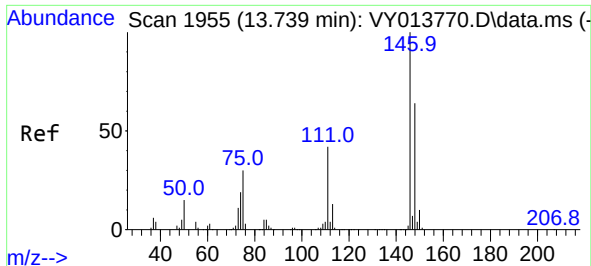
Tgt Ion:	91	Resp:	43237
Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.4	76.4
134	26.3	12.2	36.6



#90
Hexachloroethane
Concen: 5.150 ug/l
RT: 13.959 min Scan# 1991
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:	117	Resp:	10497
Ion	Ratio	Lower	Upper
117	100		
201	78.6	39.2	117.6





#91

1,2-Dichlorobenzene

Concen: 5.267 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

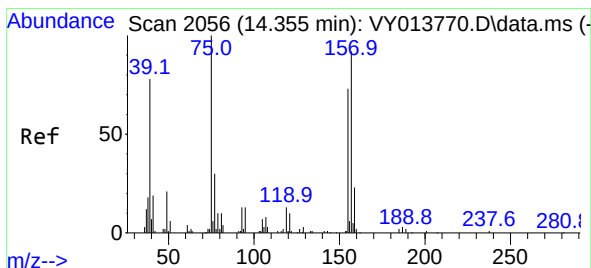
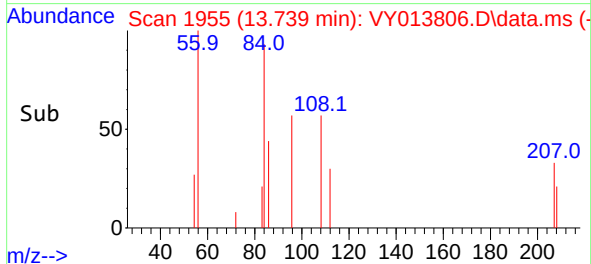
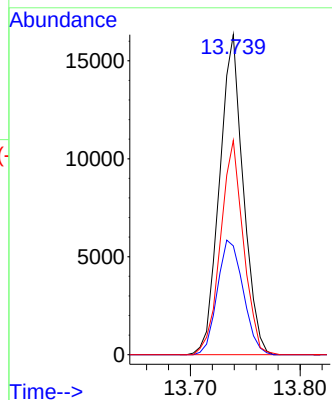
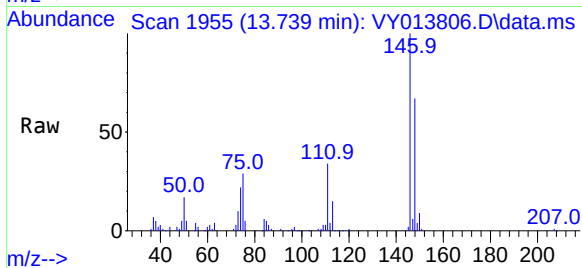
Tgt Ion:146 Resp: 24557

Ion Ratio Lower Upper

146 100

111 38.9 20.0 59.9

148 64.7 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.797 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

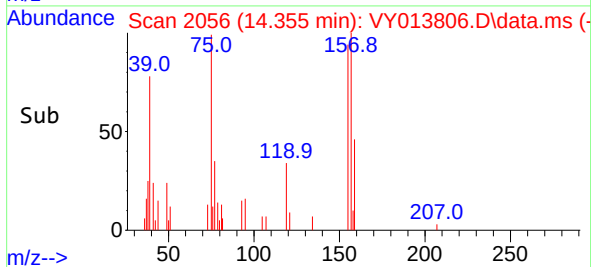
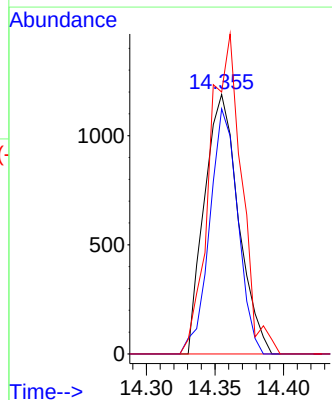
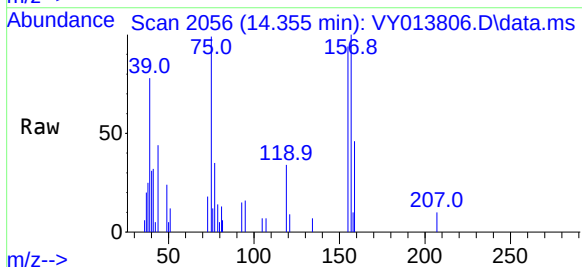
Tgt Ion: 75 Resp: 2053

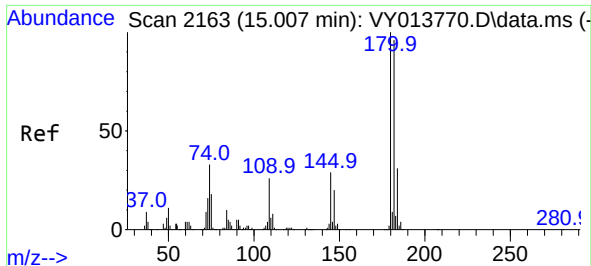
Ion Ratio Lower Upper

75 100

155 78.1 39.1 117.3

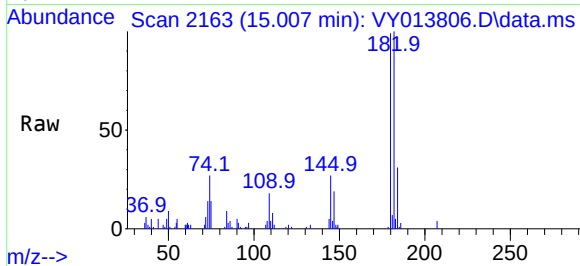
157 116.5 50.2 150.7



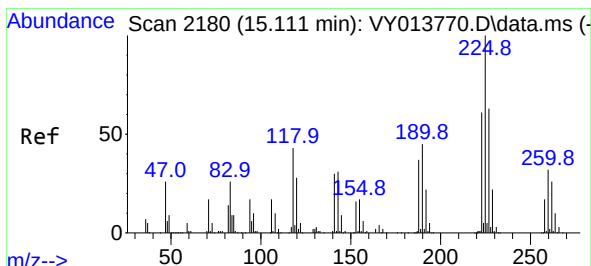
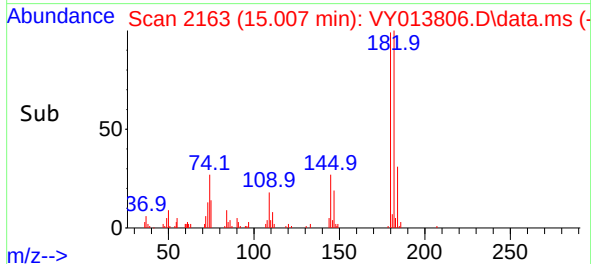
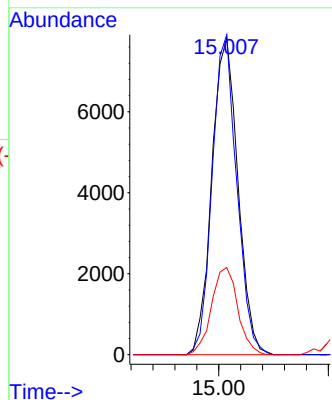


#93
1,2,4-Trichlorobenzene
Concen: 4.668 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

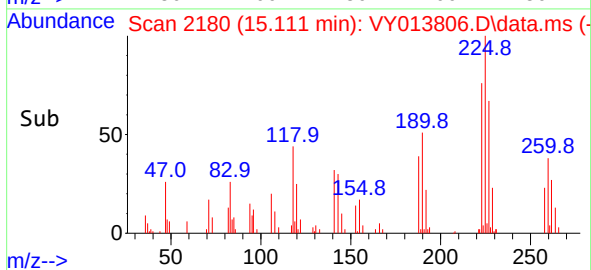
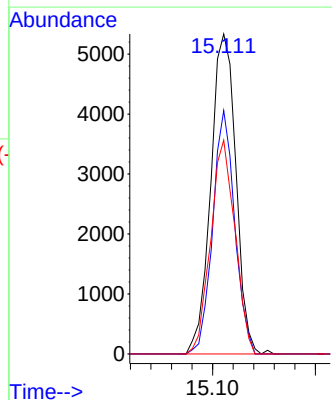
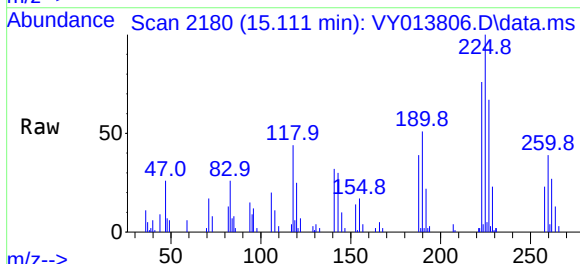


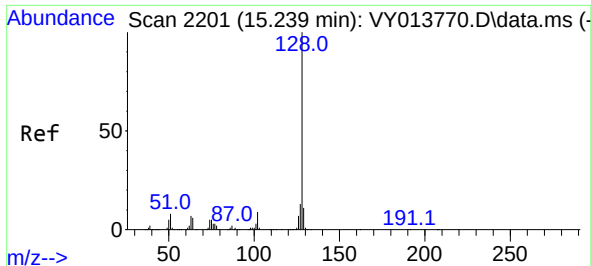
Tgt Ion:180 Resp: 12916
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.3
145 27.8 14.9 44.9



#94
Hexachlorobutadiene
Concen: 5.258 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:225 Resp: 9038
Ion Ratio Lower Upper
225 100
223 66.7 30.6 91.6
227 64.8 31.6 94.7

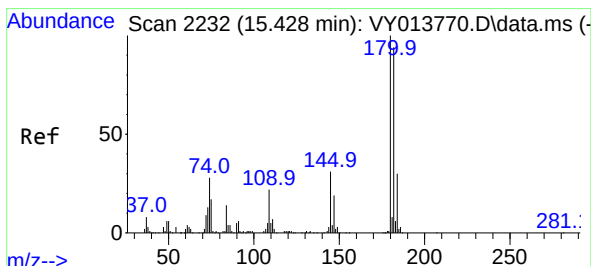
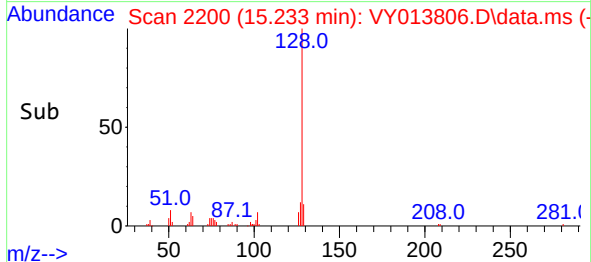
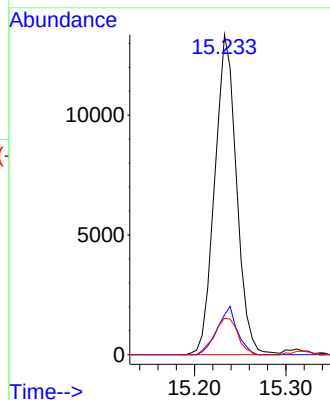
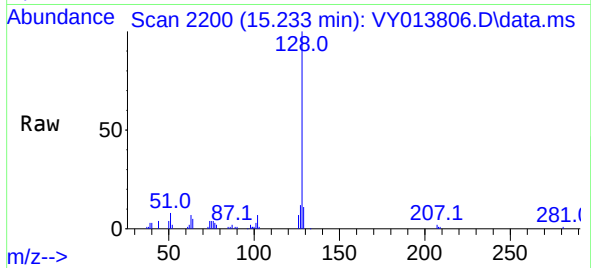




#95
Naphthalene
Concen: 4.029 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:128	Resp:	22126
Ion Ratio	Lower	Upper
128	100	
127	13.8	10.8 16.2
129	12.4	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.527 ug/l
RT: 15.416 min Scan# 2230
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:180	Resp:	11271
Ion Ratio	Lower	Upper
180	100	
182	91.4	47.8 143.4
145	30.6	15.6 46.7

