

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019850.D
 Acq On : 10 Oct 2024 12:36
 Operator : SY/MD
 Sample : P4368-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 11 08:14:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 08:10:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	374858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	660138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	253333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208647	45.205	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.400%
35) Dibromofluoromethane	7.634	113	197374	45.309	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.620%
50) Toluene-d8	10.103	98	720051	44.760	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.520%
62) 4-Bromofluorobenzene	12.402	95	249245	42.880	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	17683	5.067	ug/l	98
3) Chloromethane	2.068	50	23799	5.240	ug/l	94
4) Vinyl Chloride	2.202	62	26078	5.218	ug/l	97
5) Bromomethane	2.592	94	16912	5.346	ug/l	98
6) Chloroethane	2.739	64	18134	5.401	ug/l	94
7) Trichlorofluoromethane	3.062	101	38784	5.215	ug/l	100
8) Diethyl Ether	3.458	74	11959	5.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	22735	5.256	ug/l	98
10) Methyl Iodide	4.007	142	20550	4.697	ug/l	99
11) Tert butyl alcohol	4.866	59	16120m	37.280	ug/l	
12) 1,1-Dichloroethene	3.787	96	19485	4.845	ug/l	96
13) Acrolein	3.653	56	9787	28.857	ug/l	100
14) Allyl chloride	4.385	41	35202	4.851	ug/l	99
15) Acrylonitrile	5.068	53	26359	25.497	ug/l	99
16) Acetone	3.873	43	30688	25.541	ug/l	99
17) Carbon Disulfide	4.110	76	48524	4.502	ug/l	96
18) Methyl Acetate	4.397	43	12721	4.915	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	59540	5.153	ug/l	95
20) Methylene Chloride	4.616	84	30581	6.307	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	21235	4.852	ug/l	90
22) Diisopropyl ether	6.025	45	81335	5.146	ug/l	96
23) Vinyl Acetate	5.964	43	179408m	19.801	ug/l	
24) 1,1-Dichloroethane	5.915	63	46609	5.305	ug/l	96
25) 2-Butanone	6.890	43	42706	26.554	ug/l	90
26) 2,2-Dichloropropane	6.884	77	41597	5.316	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	26706	4.937	ug/l	92
28) Bromochloromethane	7.238	49	21073	5.450	ug/l	100
29) Tetrahydrofuran	7.262	42	23892	26.018	ug/l	98
30) Chloroform	7.427	83	46548	5.198	ug/l	96
31) Cyclohexane	7.701	56	46041	5.970	ug/l #	84
32) 1,1,1-Trichloroethane	7.616	97	40542	5.166	ug/l	98
36) 1,1-Dichloropropene	7.829	75	30705	4.893	ug/l	98
37) Ethyl Acetate	6.994	43	16973	5.187	ug/l	98
38) Carbon Tetrachloride	7.817	117	33995	5.053	ug/l	91
39) Methylcyclohexane	9.110	83	38856	4.914	ug/l	98
40) Benzene	8.085	78	95880	5.048	ug/l	96

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	7910	4.466	ug/l #	91
42) 1,2-Dichloroethane	8.159	62	28278	5.182	ug/l	98
43) Isopropyl Acetate	8.201	43	34490	5.168	ug/l	96
44) Trichloroethene	8.866	130	22818	4.960	ug/l	94
45) 1,2-Dichloropropane	9.140	63	23612	4.967	ug/l	92
46) Dibromomethane	9.231	93	13020	5.013	ug/l	96
47) Bromodichloromethane	9.420	83	34484	5.002	ug/l	99
48) Methyl methacrylate	9.225	41	15417m	5.252	ug/l	
49) 1,4-Dioxane	9.231	88	3059	105.228	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	83326	24.478	ug/l	100
52) Toluene	10.170	92	59716	5.037	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	29081	4.688	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	35933	4.909	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	17738	5.183	ug/l	97
56) Ethyl methacrylate	10.439	69	23947	4.877	ug/l	99
57) 1,3-Dichloropropane	10.713	76	31076	5.171	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	53412	23.366	ug/l	100
59) 2-Hexanone	10.762	43	59013	24.272	ug/l	98
60) Dibromochloromethane	10.908	129	21098	4.803	ug/l	98
61) 1,2-Dibromoethane	11.012	107	15161	4.903	ug/l	99
64) Tetrachloroethene	10.646	164	19807	5.034	ug/l	93
65) Chlorobenzene	11.438	112	64650	5.110	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.512	131	21853	5.105	ug/l	95
67) Ethyl Benzene	11.518	91	114151	4.967	ug/l	99
68) m/p-Xylenes	11.627	106	83849	9.878	ug/l	99
69) o-Xylene	11.951	106	39331	4.823	ug/l	93
70) Styrene	11.969	104	65167	4.736	ug/l	97
71) Bromoform	12.127	173	10833	4.727	ug/l #	96
73) Isopropylbenzene	12.249	105	109511	5.139	ug/l	98
74) N-amyl acetate	12.066	43	27391	4.853	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	20404	5.389	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	15678m	5.943	ug/l	
77) Bromobenzene	12.530	156	23607	5.221	ug/l	99
78) n-propylbenzene	12.591	91	134140	5.210	ug/l	99
79) 2-Chlorotoluene	12.676	91	76032	5.151	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	85570	4.973	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	5552	4.516	ug/l	92
82) 4-Chlorotoluene	12.774	91	77142	5.111	ug/l	100
83) tert-Butylbenzene	12.993	119	80074	5.194	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	87315	5.118	ug/l	99
85) sec-Butylbenzene	13.170	105	118835	5.159	ug/l	99
86) p-Isopropyltoluene	13.286	119	94715	5.064	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	45987	5.036	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	47327	5.276	ug/l	95
89) n-Butylbenzene	13.615	91	90853	4.975	ug/l	99
90) Hexachloroethane	13.877	117	17980	4.937	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	41409	5.161	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3485	5.767	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	20998	4.667	ug/l	99
94) Hexachlorobutadiene	15.017	225	13212	5.282	ug/l	98
95) Naphthalene	15.139	128	35807	4.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	17827	4.687	ug/l	99

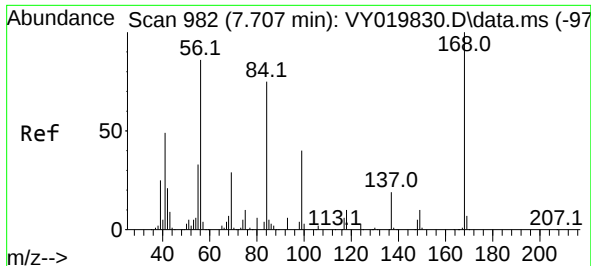
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QLast Update : Fri Oct 11 08:10:14 2024
Response via : Initial Calibration

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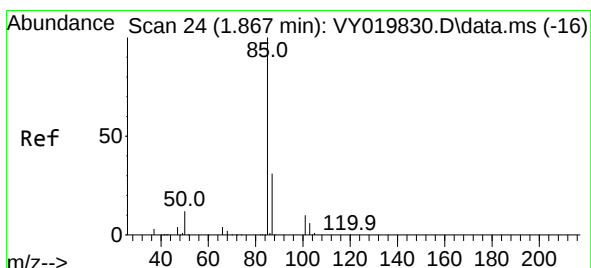
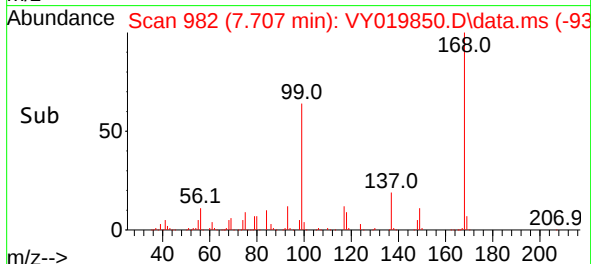
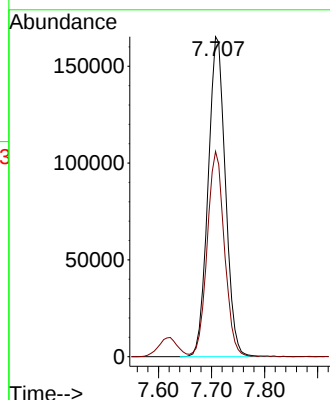
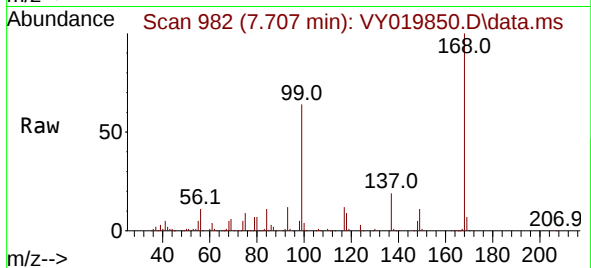
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

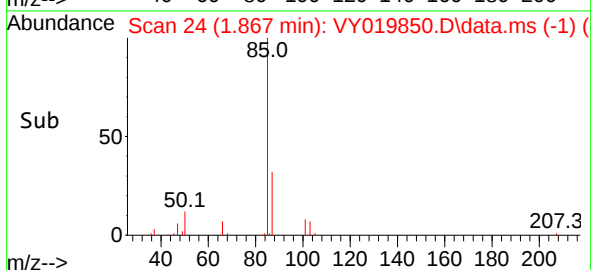
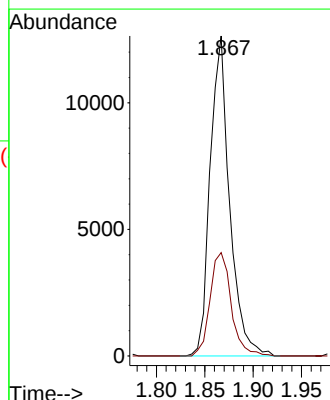
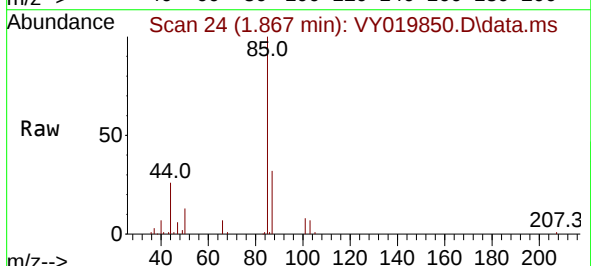
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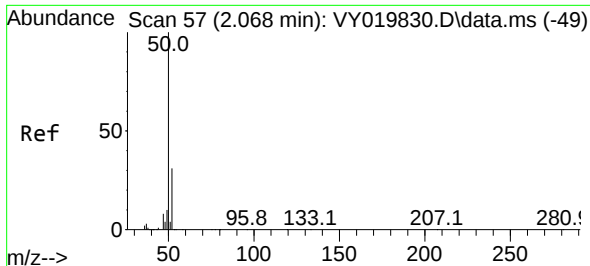
Tgt Ion:168 Resp: 374858
Ion Ratio Lower Upper
168 100
99 64.1 52.6 78.8



#2
Dichlorodifluoromethane
Concen: 5.067 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 85 Resp: 17683
Ion Ratio Lower Upper
85 100
87 32.3 15.7 47.1

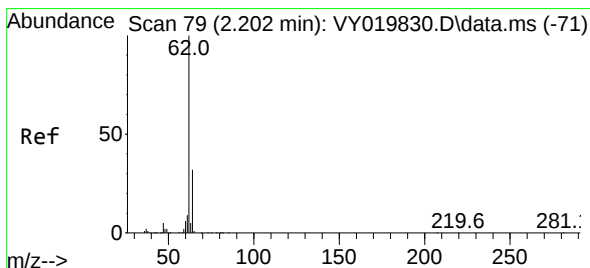
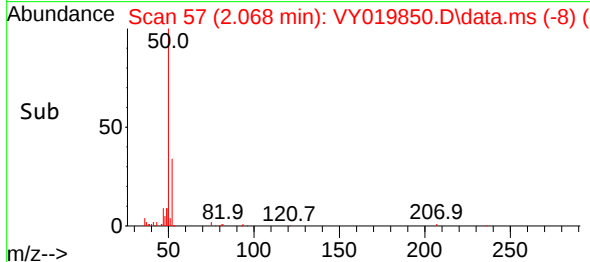
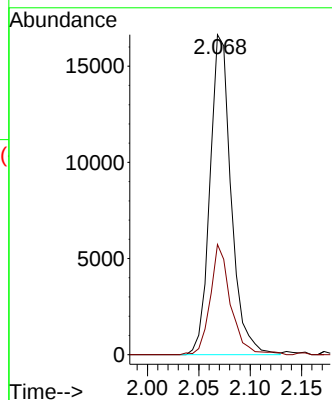
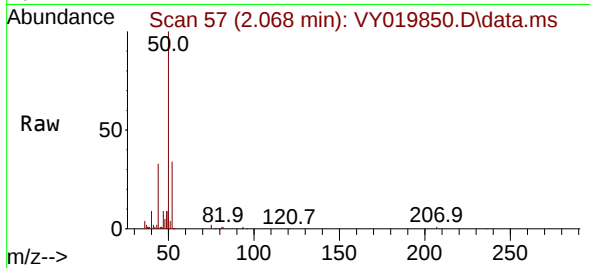




#3
Chloromethane
Concen: 5.240 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

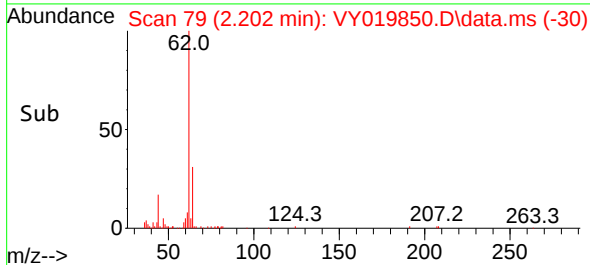
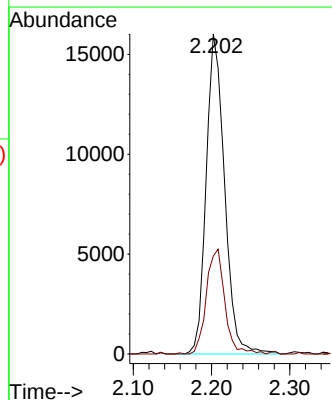
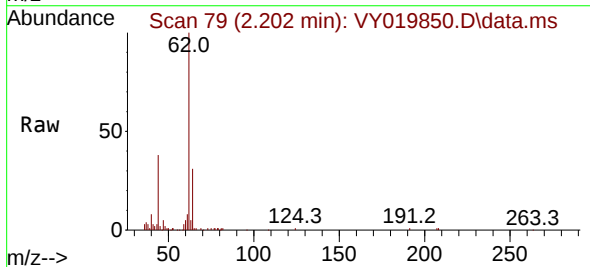
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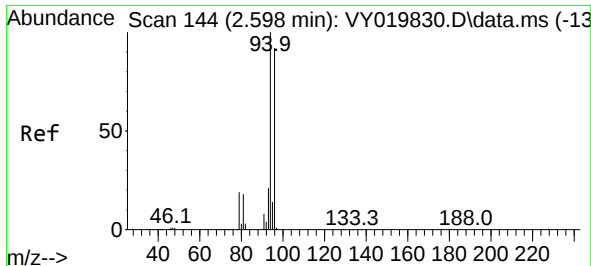
Tgt Ion: 50 Resp: 23799
Ion Ratio Lower Upper
50 100
52 34.5 25.1 37.7



#4
Vinyl Chloride
Concen: 5.218 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 62 Resp: 26078
Ion Ratio Lower Upper
62 100
64 30.6 25.6 38.4

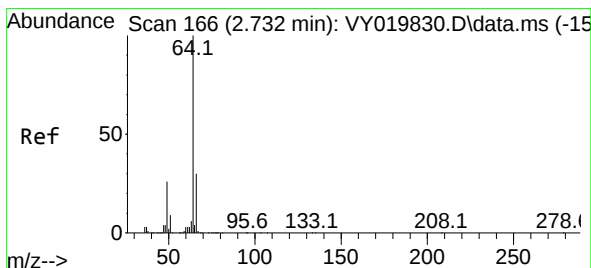
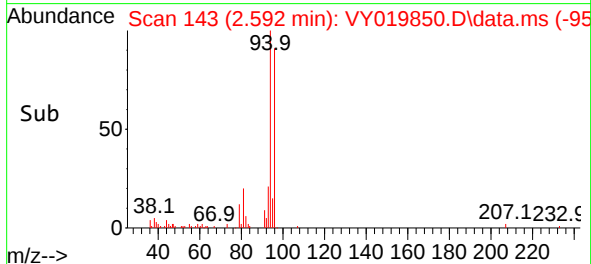
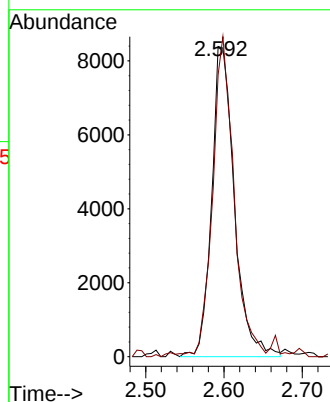
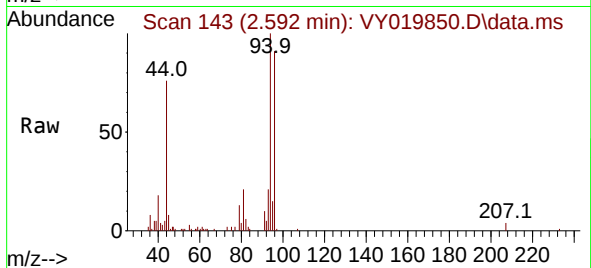




#5
Bromomethane
Concen: 5.346 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

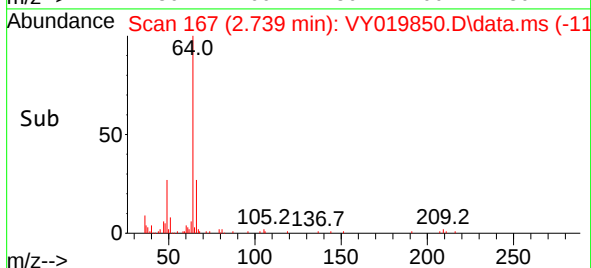
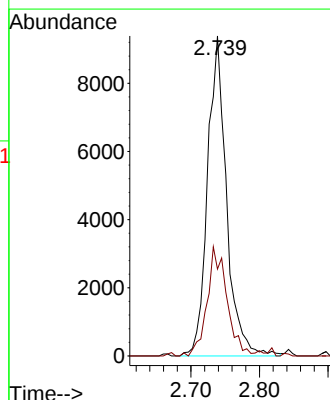
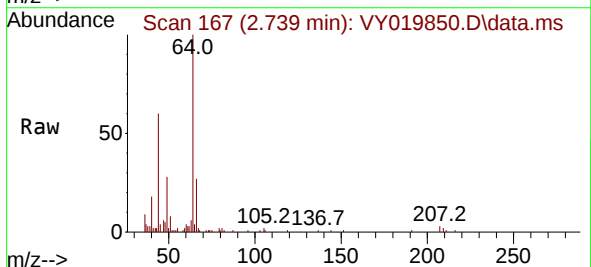
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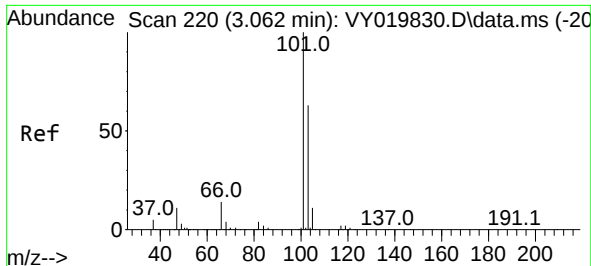
Tgt Ion: 94 Resp: 16912
Ion Ratio Lower Upper
94 100
96 90.1 73.6 110.4



#6
Chloroethane
Concen: 5.401 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 64 Resp: 18134
Ion Ratio Lower Upper
64 100
66 27.2 24.2 36.2

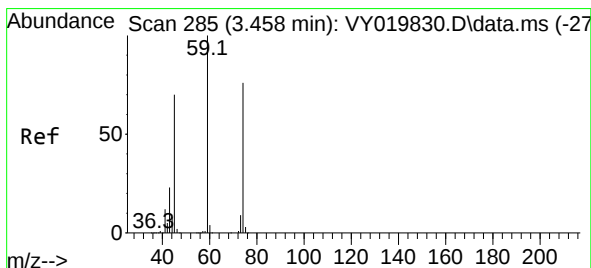
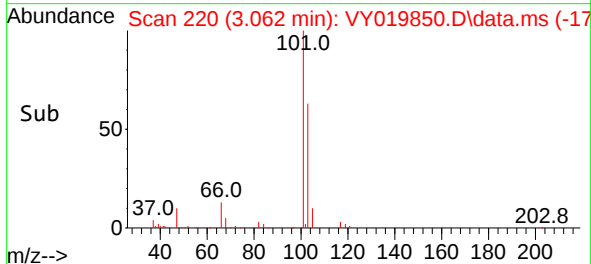
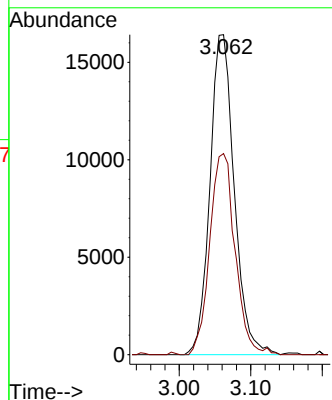
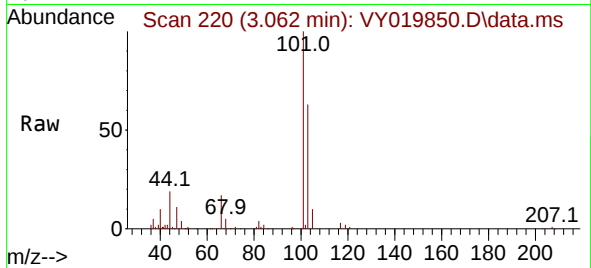




#7
 Trichlorofluoromethane
 Concen: 5.215 ug/l
 RT: 3.062 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019850.D
 Acq: 10 Oct 2024 12:36

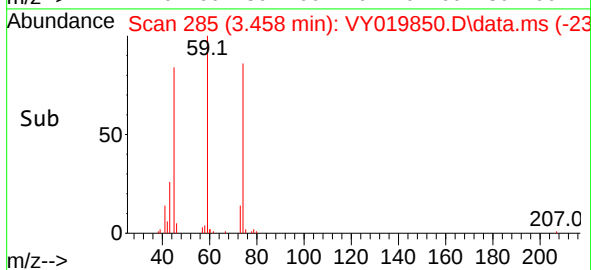
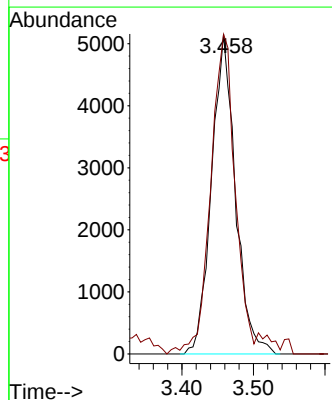
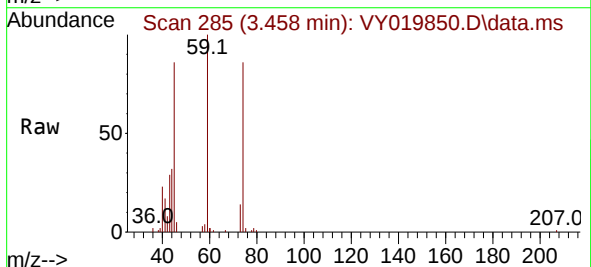
Instrument :
 MSVOA_Y
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 LOQ-SOIL-02-QT4-2024

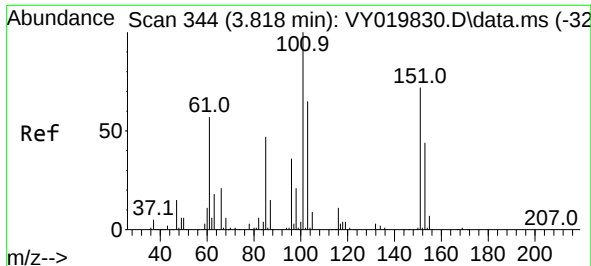
Tgt Ion:101 Resp: 38784
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.1 75.1



#8
 Diethyl Ether
 Concen: 5.291 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.000 min
 Lab File: VY019850.D
 Acq: 10 Oct 2024 12:36

Tgt Ion: 74 Resp: 11959
 Ion Ratio Lower Upper
 74 100
 45 102.1 49.9 149.6

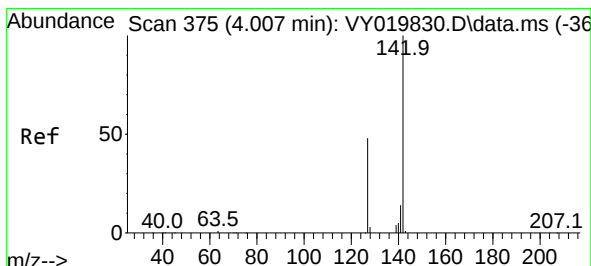
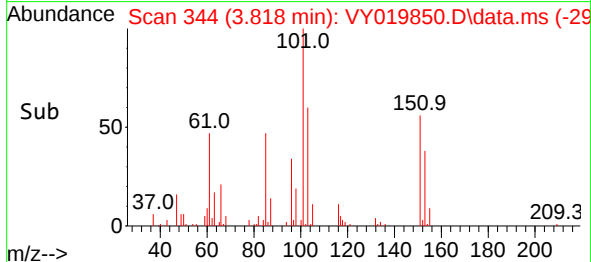
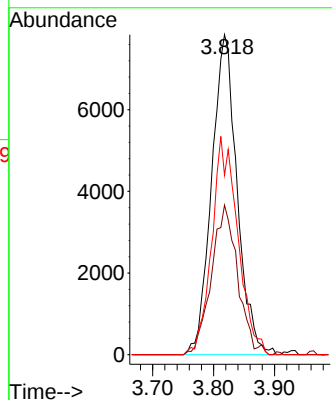
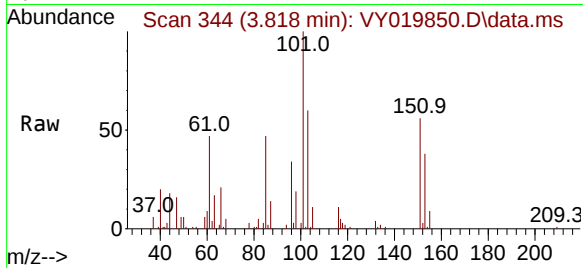




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.256 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY019850.D
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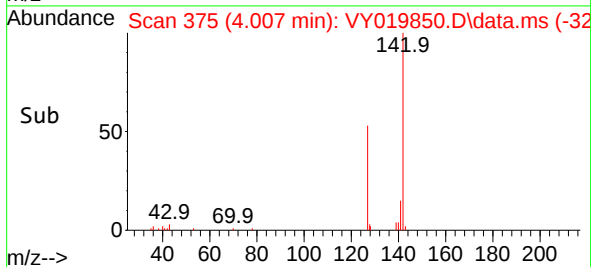
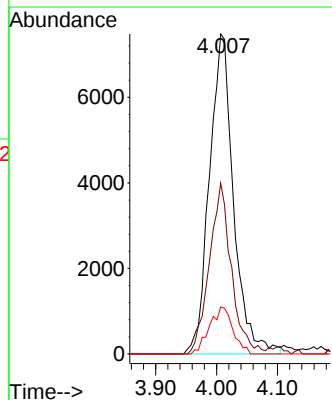
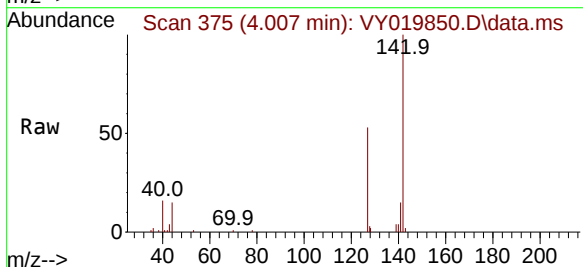
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

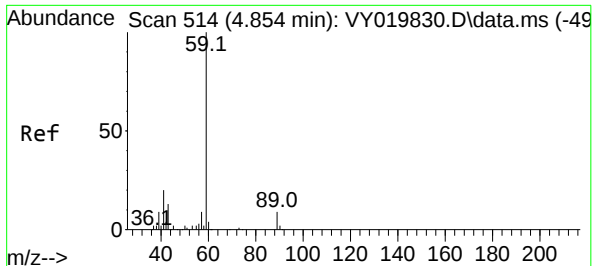
Tgt Ion:	101	Resp:	22735
Ion	Ratio	Lower	Upper
101	100		
85	48.3	37.9	56.9
151	69.8	57.0	85.6



#10
Methyl Iodide
Concen: 4.697 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion:	142	Resp:	20550
Ion	Ratio	Lower	Upper
142	100		
127	48.7	39.4	59.2
141	14.3	11.7	17.5

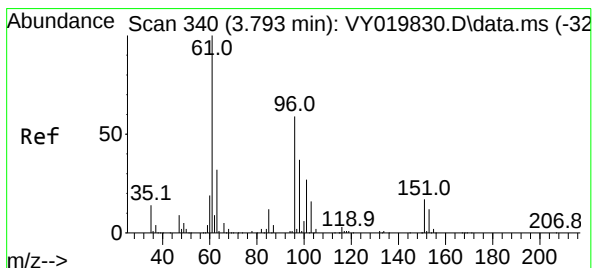
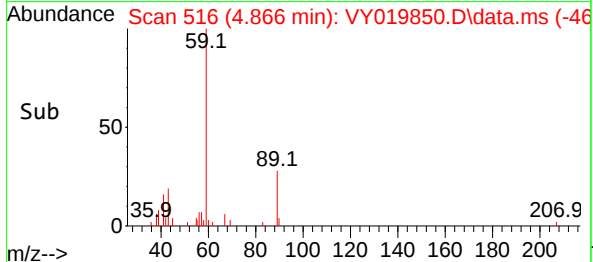
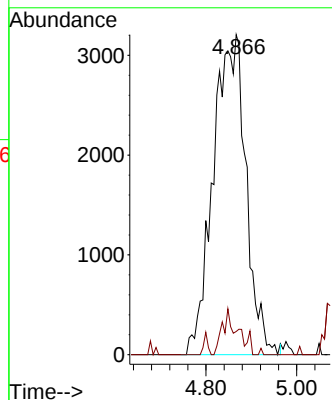
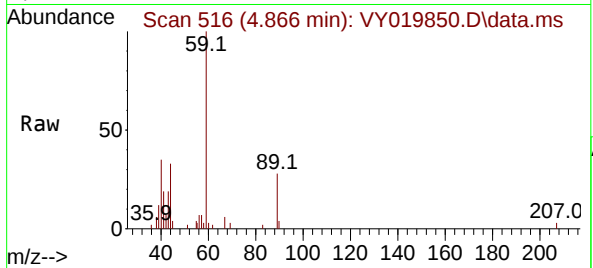




#11
Tert butyl alcohol
Concen: 37.280 ug/l m
RT: 4.866 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

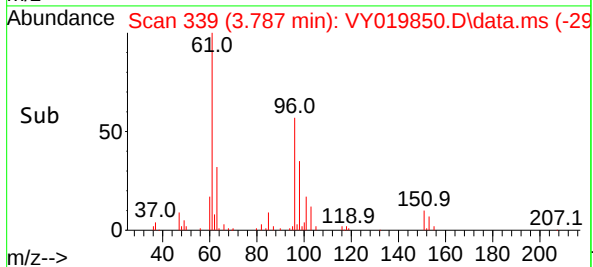
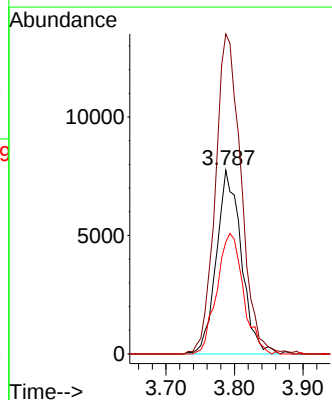
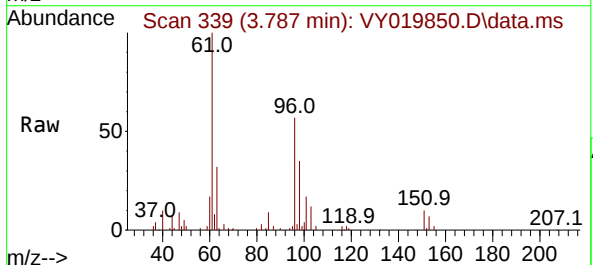
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

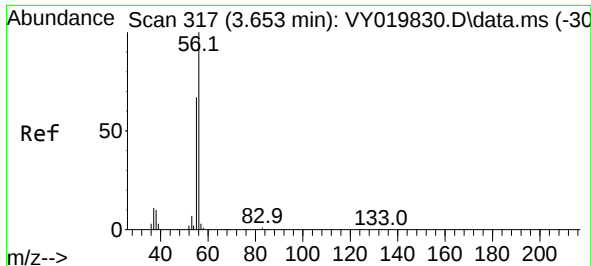
Tgt Ion: 59 Resp: 16120
Ion Ratio Lower Upper
59 100
57 4.1 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 4.845 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 96 Resp: 19485
Ion Ratio Lower Upper
96 100
61 174.3 134.9 202.3
98 61.0 50.2 75.4





#13

Acrolein

Concen: 28.857 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

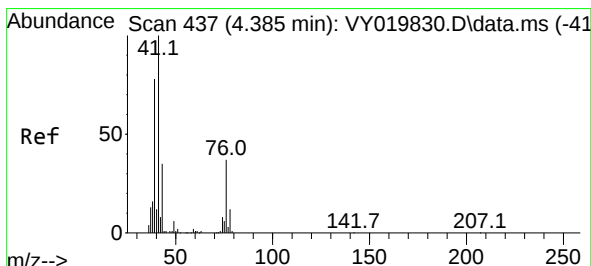
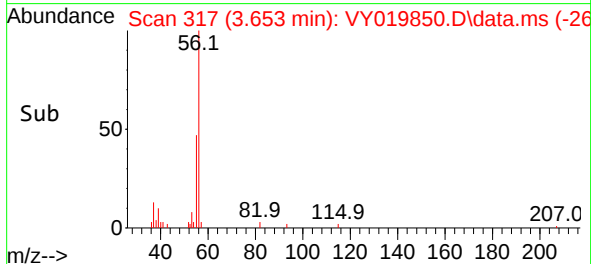
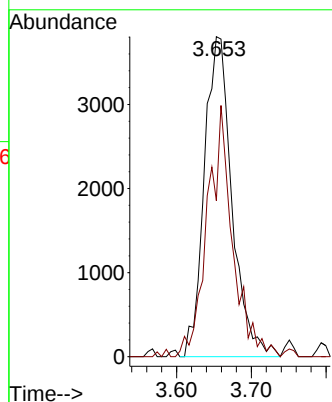
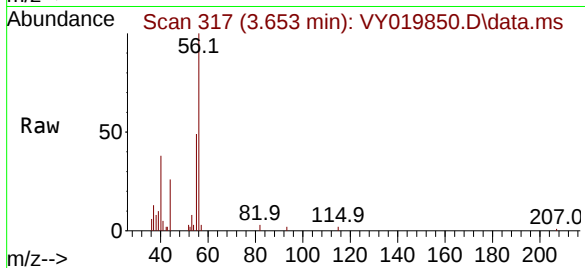
LOQ-SOIL-02-QT4-2024

Tgt Ion: 56 Resp: 9787

Ion Ratio Lower Upper

56 100

55 71.3 56.9 85.3



#14

Allyl chloride

Concen: 4.851 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

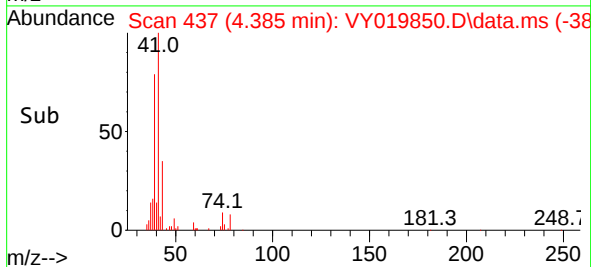
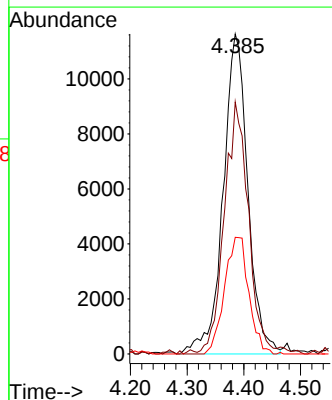
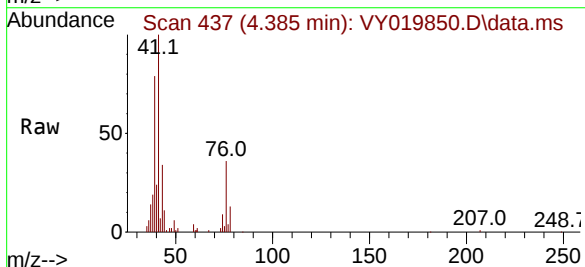
Tgt Ion: 41 Resp: 35202

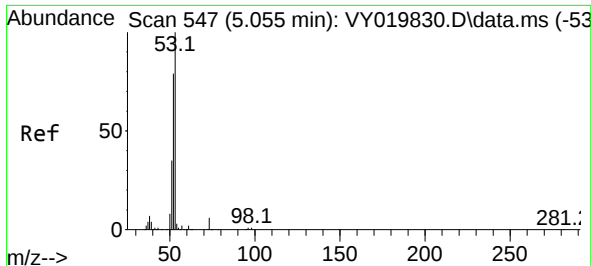
Ion Ratio Lower Upper

41 100

39 75.0 59.1 88.7

76 35.7 28.6 42.8

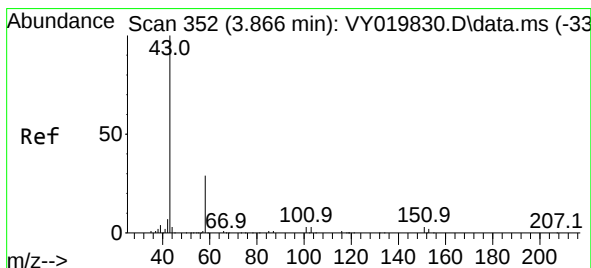
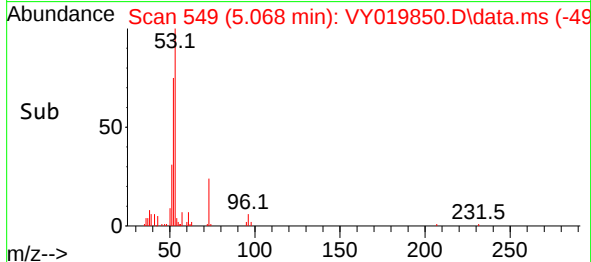
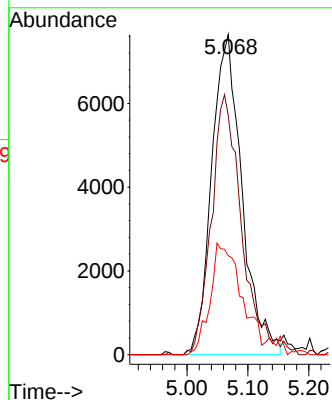
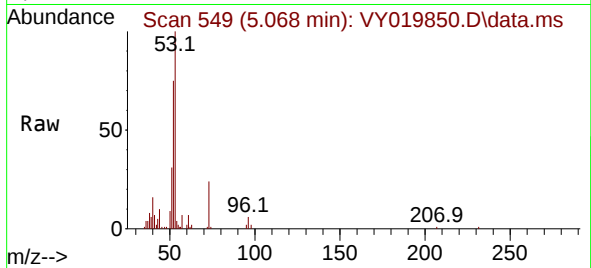




#15
Acrylonitrile
Concen: 25.497 ug/l
RT: 5.068 min Scan# 547
Delta R.T. 0.012 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

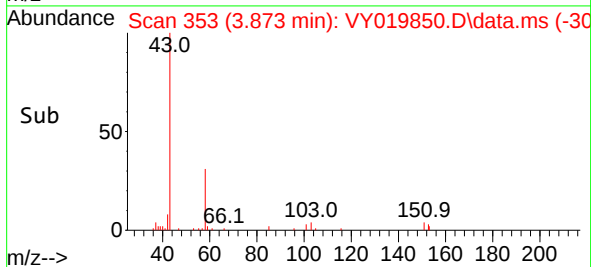
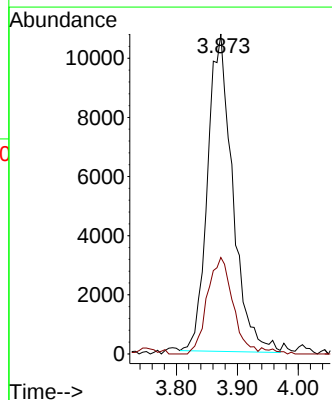
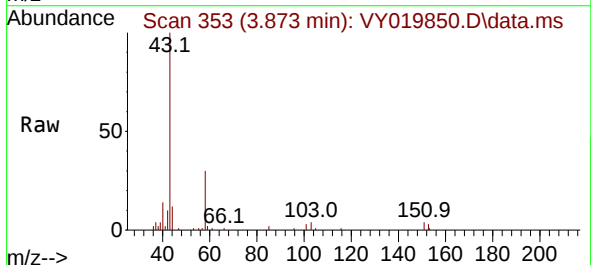
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

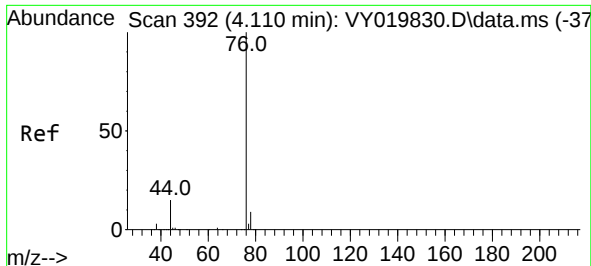
Tgt Ion:	53	Resp:	26359
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.0	97.6
51	36.4	29.9	44.9



#16
Acetone
Concen: 25.541 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion:	43	Resp:	30688
Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.8	35.6

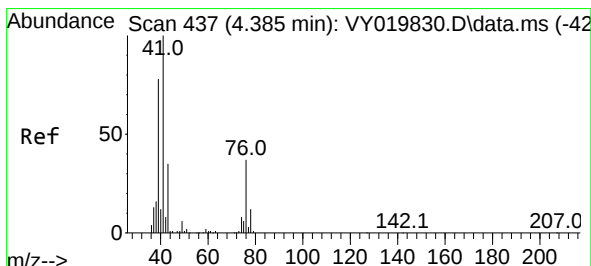
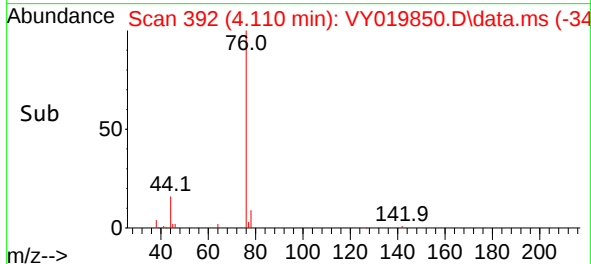
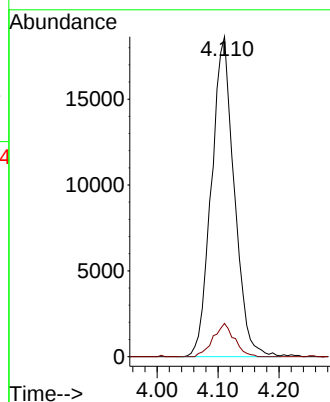
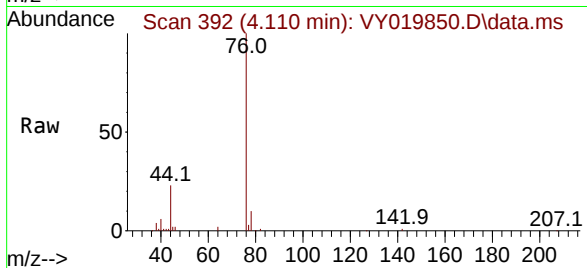




#17
Carbon Disulfide
Concen: 4.502 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

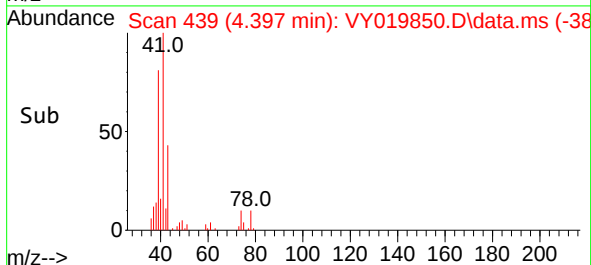
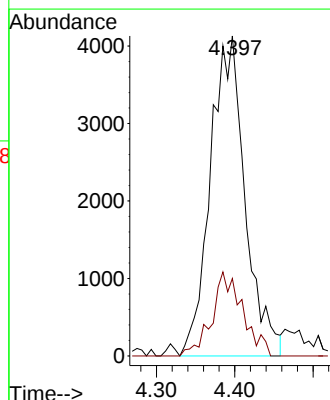
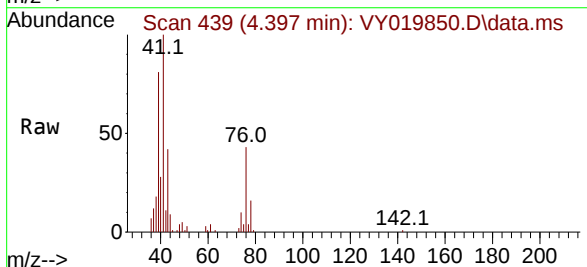
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

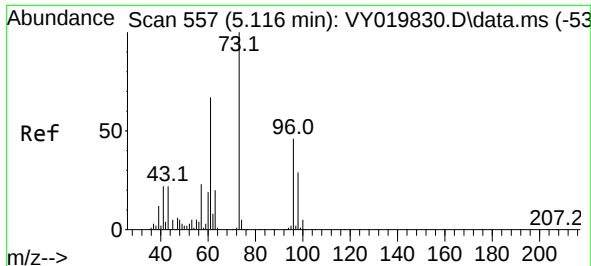
Tgt Ion: 76 Resp: 48524
Ion Ratio Lower Upper
76 100
78 10.4 7.3 10.9



#18
Methyl Acetate
Concen: 4.915 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 43 Resp: 12721
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0

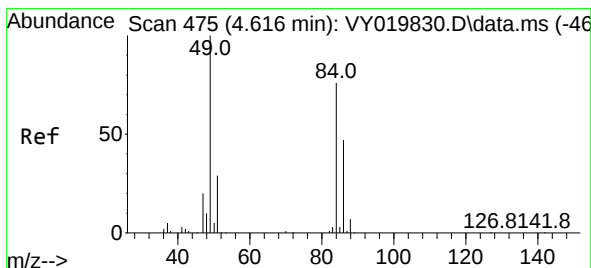
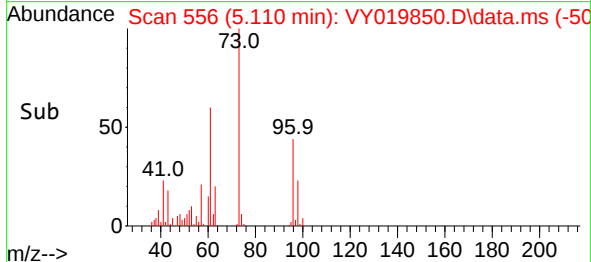
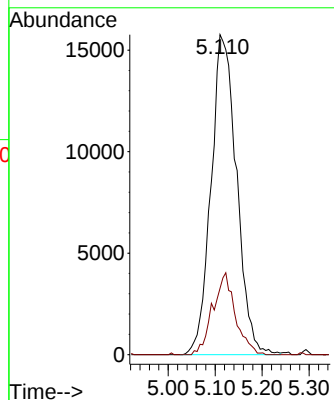
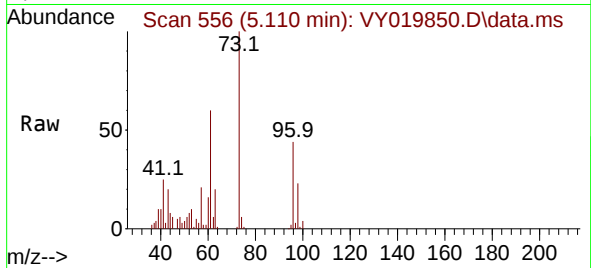




#19
Methyl tert-butyl Ether
Concen: 5.153 ug/l
RT: 5.110 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

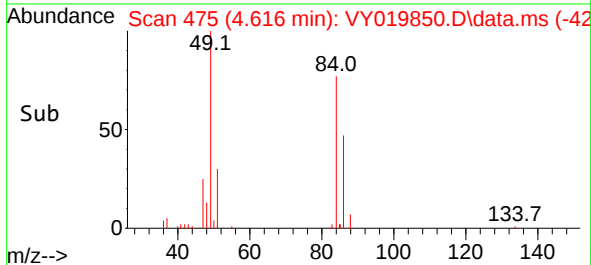
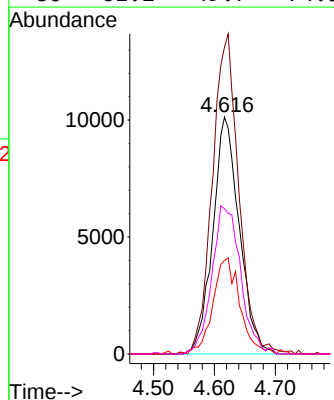
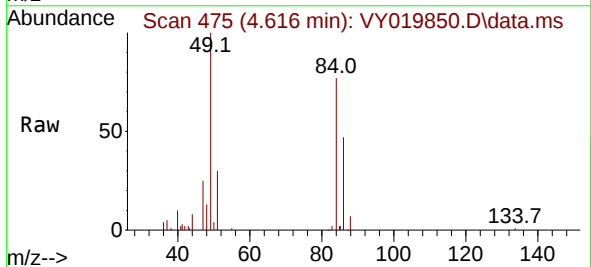
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

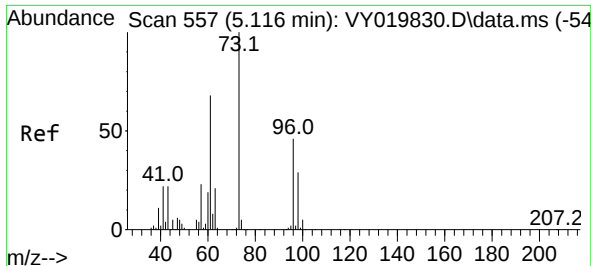
Tgt Ion: 73 Resp: 59540
Ion Ratio Lower Upper
73 100
57 20.8 18.6 28.0



#20
Methylene Chloride
Concen: 6.307 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 84 Resp: 30581
Ion Ratio Lower Upper
84 100
49 129.0 104.8 157.2
51 38.6 30.4 45.6
86 61.2 49.7 74.5

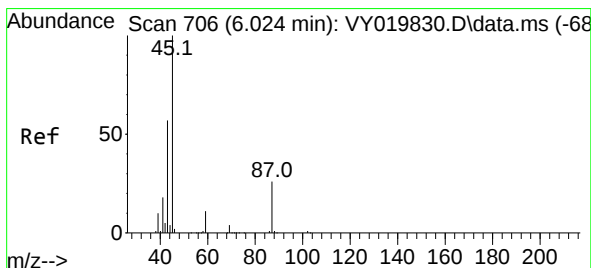
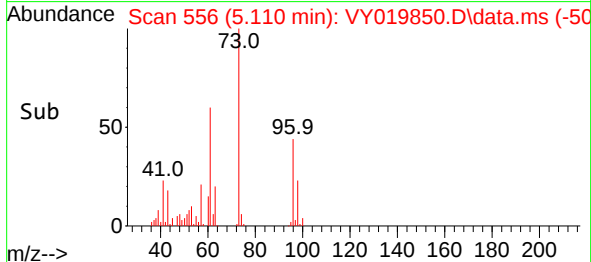
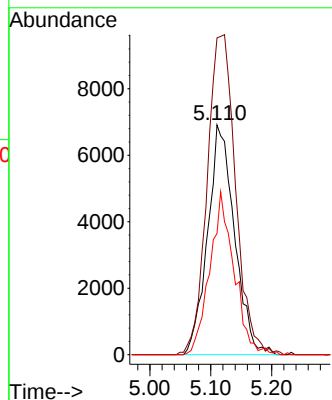
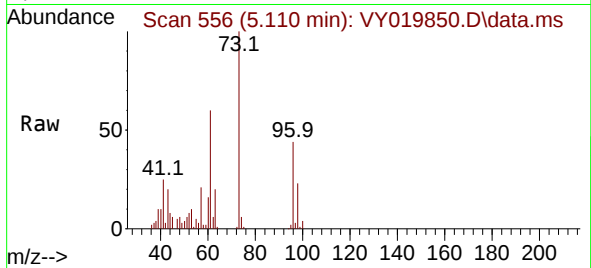




#21
trans-1,2-Dichloroethene
Concen: 4.852 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

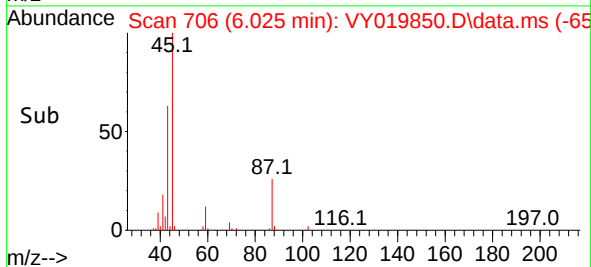
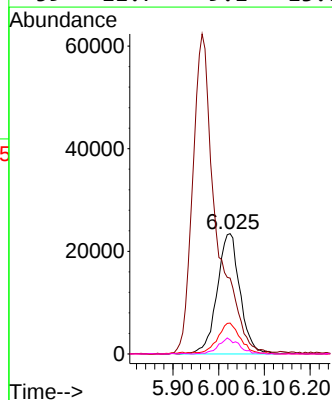
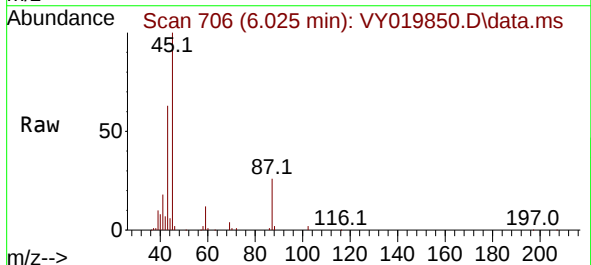
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2024

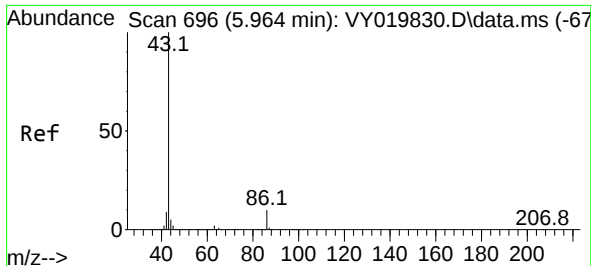
Tgt Ion: 96 Resp: 21235
Ion Ratio Lower Upper
96 100
61 136.9 117.9 176.9
98 52.7 51.0 76.4



#22
Diisopropyl ether
Concen: 5.146 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 45 Resp: 81335
Ion Ratio Lower Upper
45 100
43 60.9 45.4 68.0
87 25.6 21.1 31.7
59 11.7 9.1 13.7

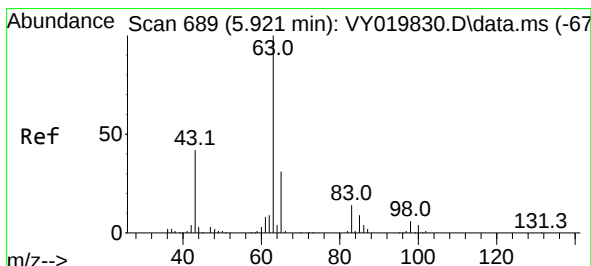
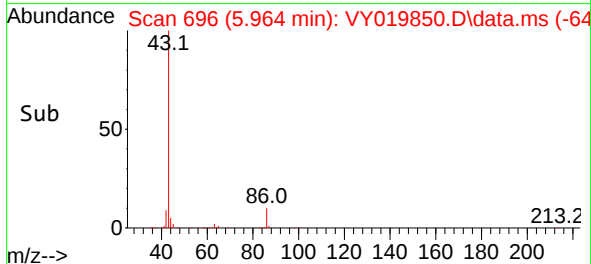
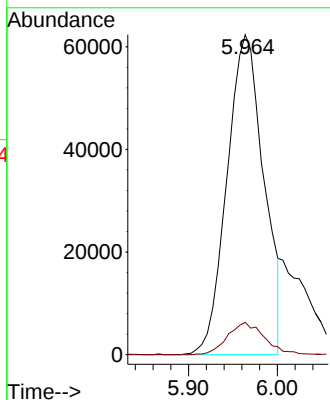
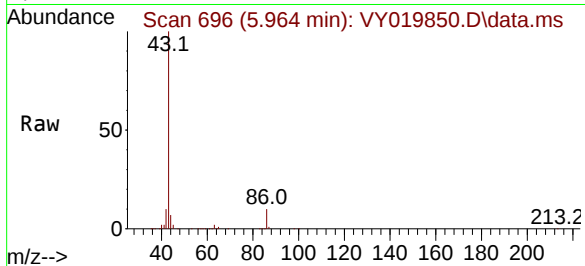




#23
 Vinyl Acetate
 Concen: 19.801 ug/l m
 RT: 5.964 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VY019850.D
 Acq: 10 Oct 2024 12:36

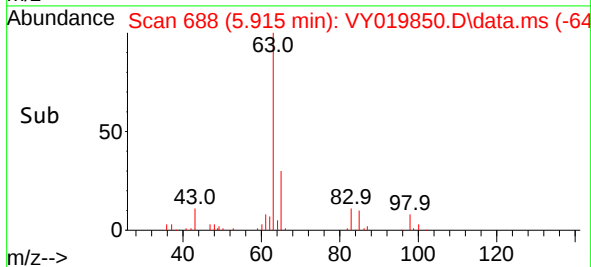
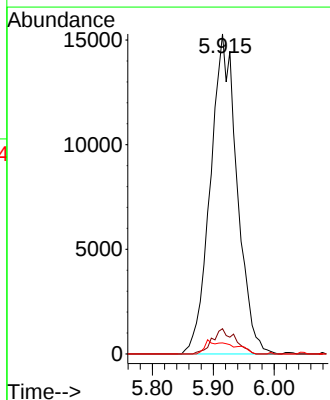
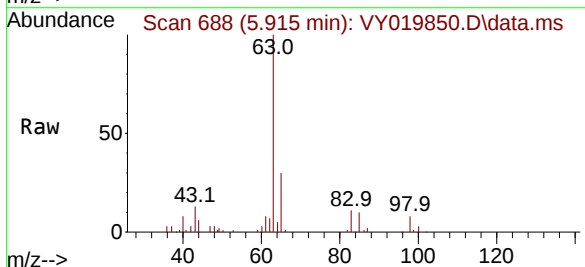
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

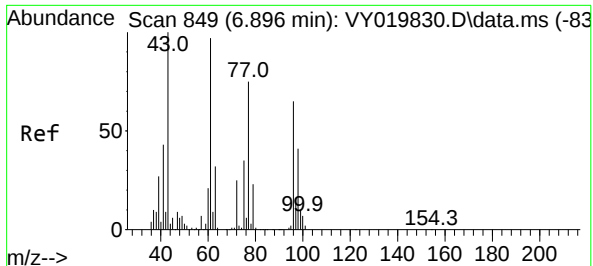
Tgt Ion: 43 Resp: 179408
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 5.305 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY019850.D
 Acq: 10 Oct 2024 12:36

Tgt Ion: 63 Resp: 46609
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.2 9.6
 100 3.5 2.2 6.6

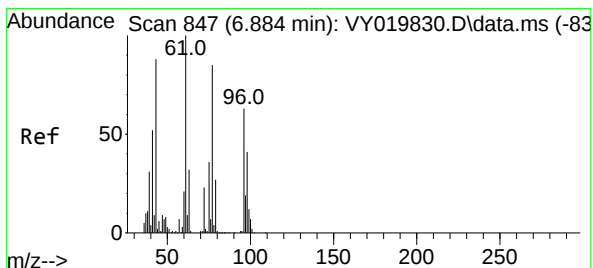
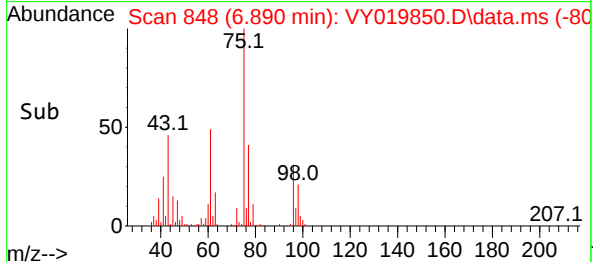
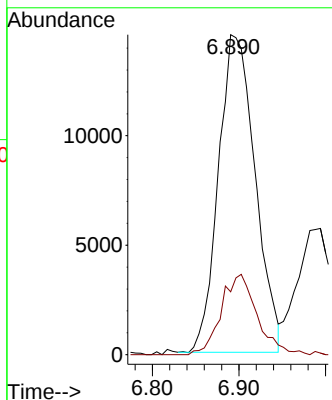
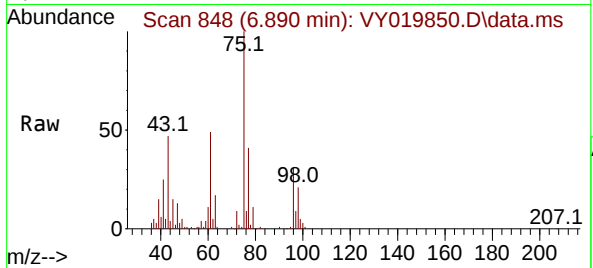




#25
2-Butanone
Concen: 26.554 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

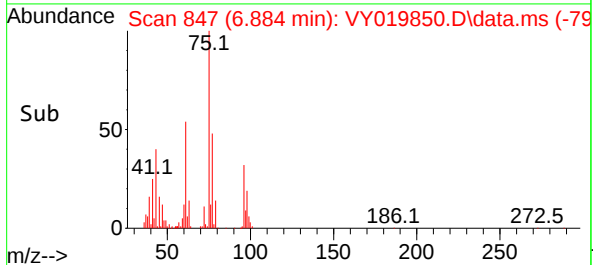
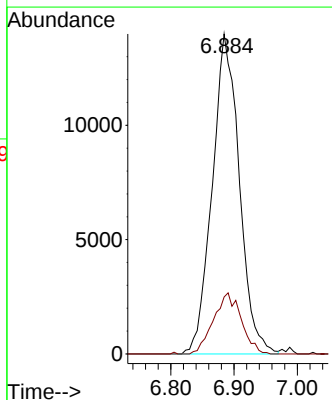
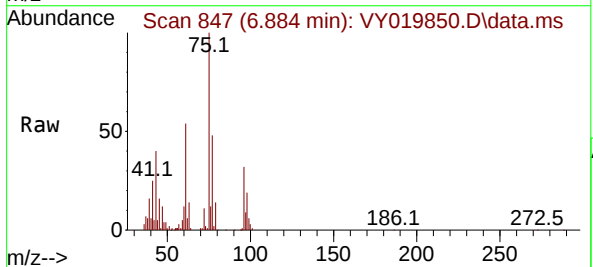
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

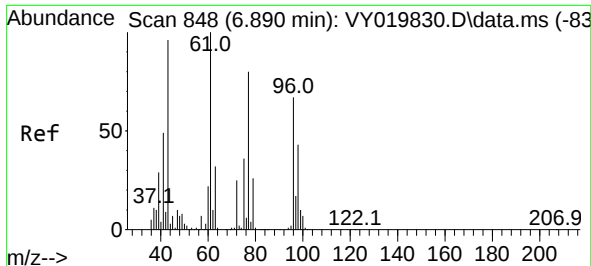
Tgt Ion: 43 Resp: 42706
Ion Ratio Lower Upper
43 100
72 19.8 19.8 29.6



#26
2,2-Dichloropropane
Concen: 5.316 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 77 Resp: 41597
Ion Ratio Lower Upper
77 100
97 19.6 10.9 32.6

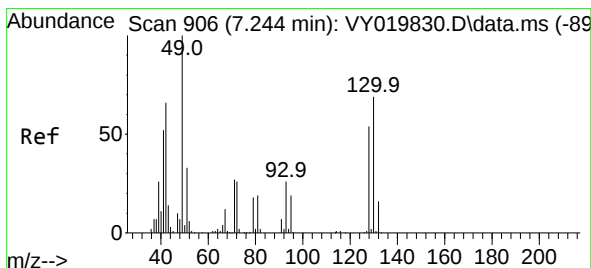
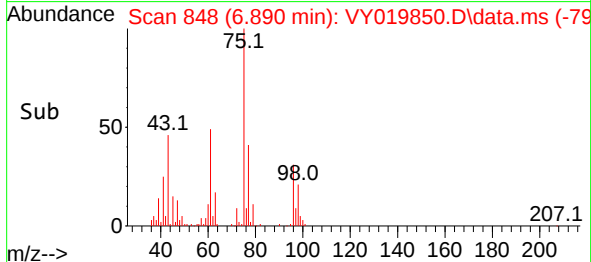
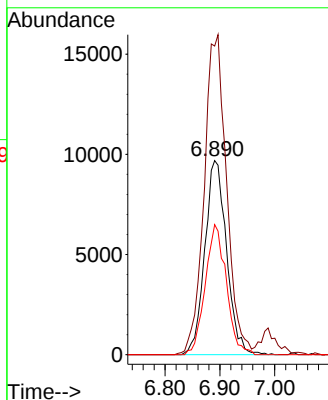
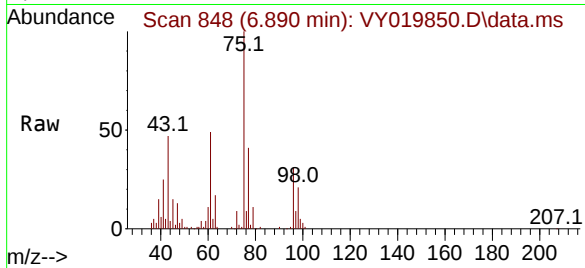




#27
 cis-1,2-Dichloroethene
 Concen: 4.937 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY019850.D
 Acq: 10 Oct 2024 12:36

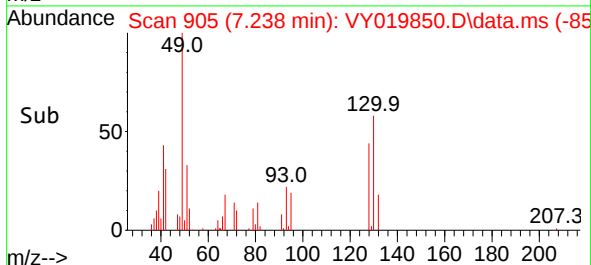
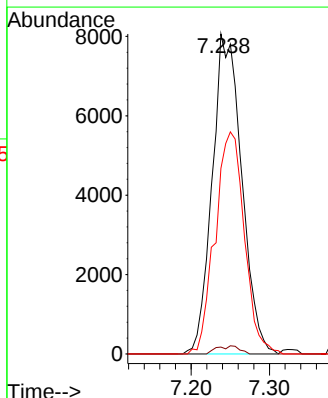
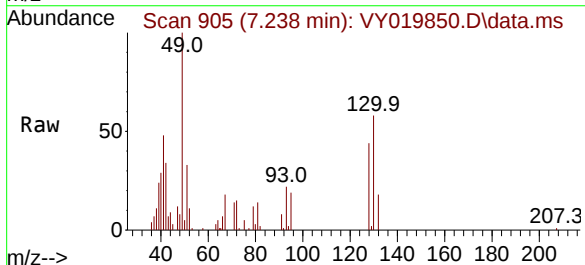
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

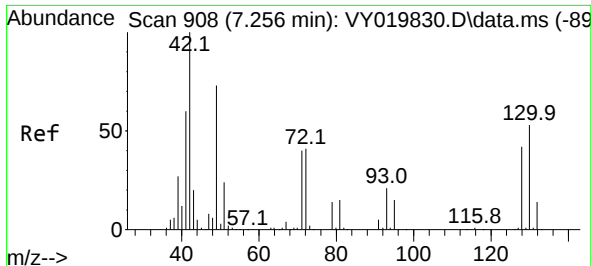
Tgt Ion:	96	Resp:	26706
Ion	Ratio	Lower	Upper
96	100		
61	169.7	0.0	311.4
98	65.0	0.0	129.2



#28
 Bromochloromethane
 Concen: 5.450 ug/l
 RT: 7.238 min Scan# 905
 Delta R.T. -0.006 min
 Lab File: VY019850.D
 Acq: 10 Oct 2024 12:36

Tgt Ion:	49	Resp:	21073
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	68.9	55.0	82.4





#29

Tetrahydrofuran

Concen: 26.018 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.006 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

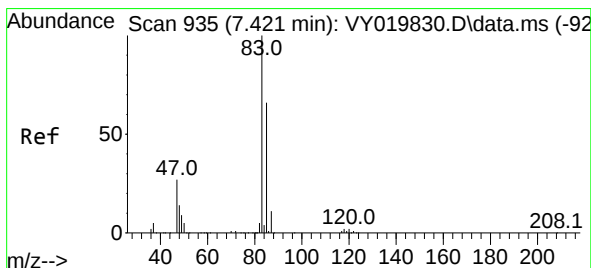
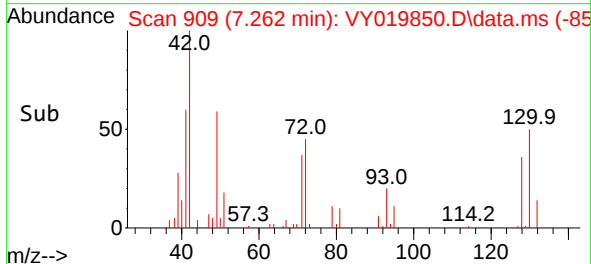
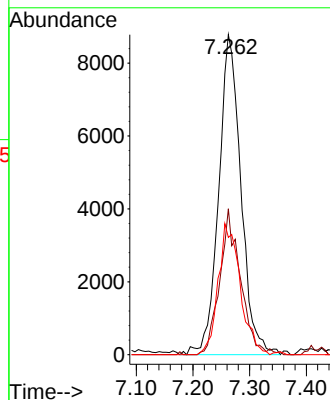
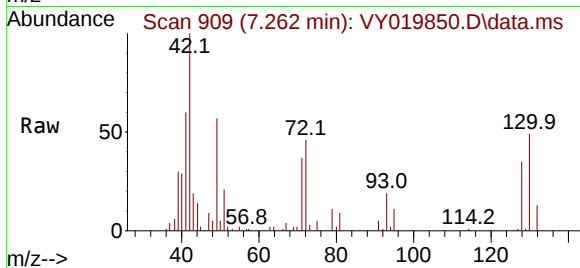
Tgt Ion: 42 Resp: 23892

Ion Ratio Lower Upper

42 100

72 42.6 33.4 50.0

71 40.6 31.6 47.4



#30

Chloroform

Concen: 5.198 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY019850.D

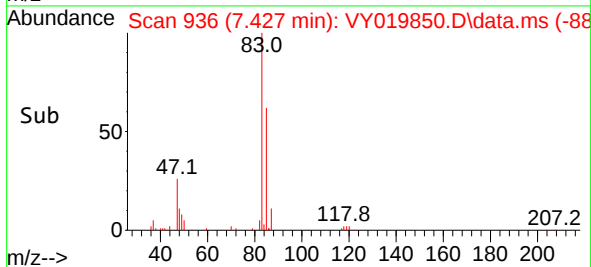
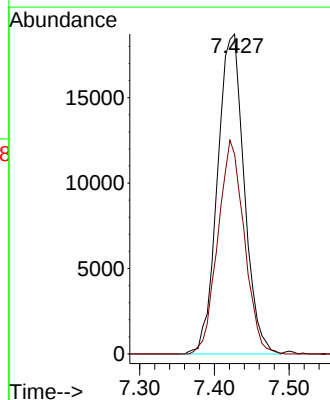
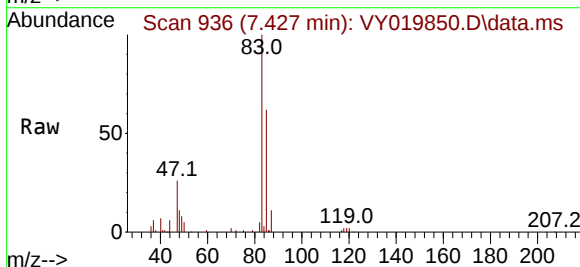
Acq: 10 Oct 2024 12:36

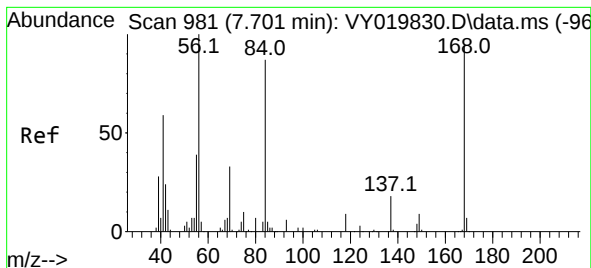
Tgt Ion: 83 Resp: 46548

Ion Ratio Lower Upper

83 100

85 62.4 52.7 79.1





#31

Cyclohexane

Concen: 5.970 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

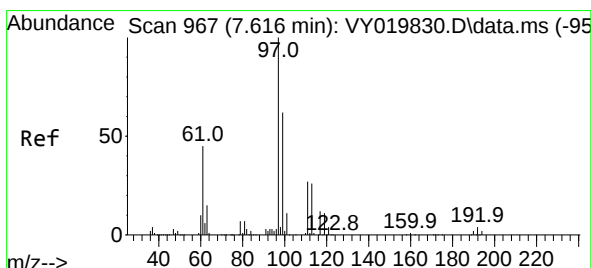
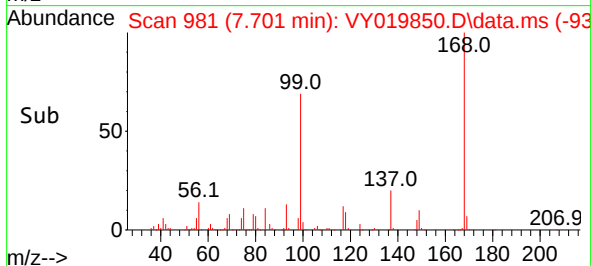
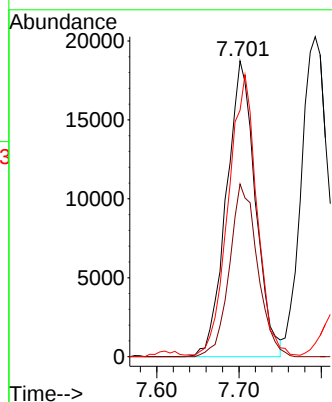
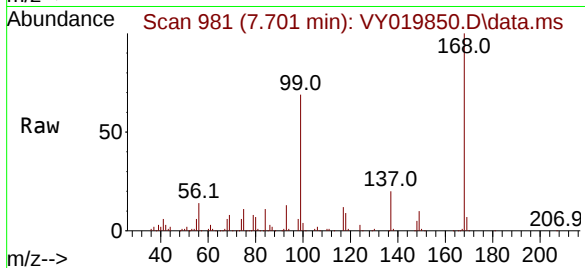
Tgt Ion: 56 Resp: 46041

Ion Ratio Lower Upper

56 100

69 58.4 26.6 39.8#

84 82.6 69.6 104.4



#32

1,1,1-Trichloroethane

Concen: 5.166 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

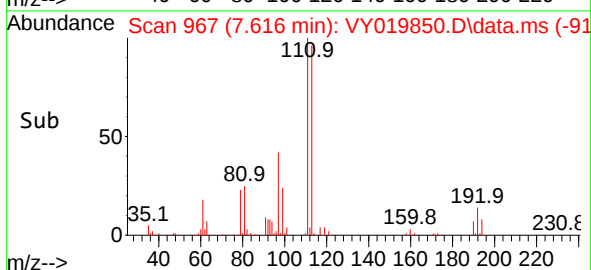
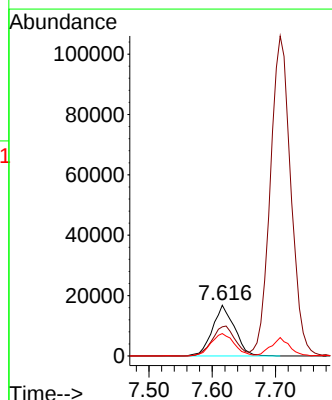
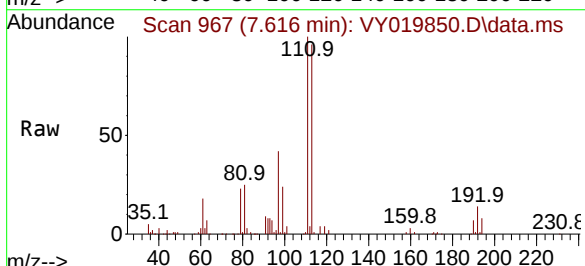
Tgt Ion: 97 Resp: 40542

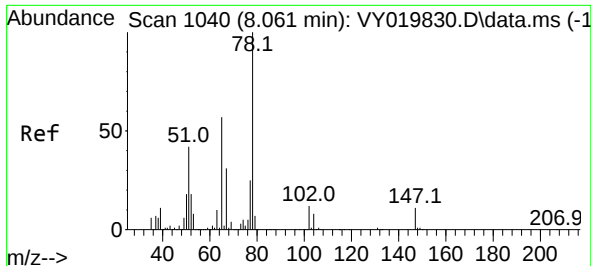
Ion Ratio Lower Upper

97 100

99 62.0 51.0 76.4

61 46.8 36.5 54.7



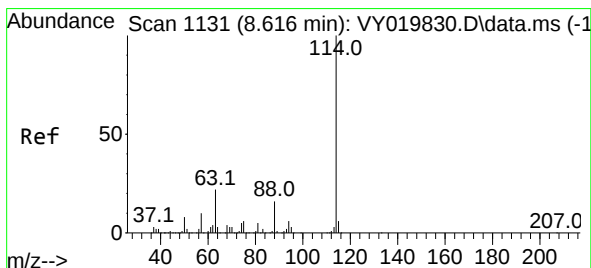
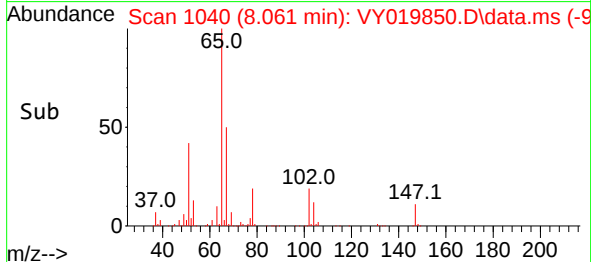
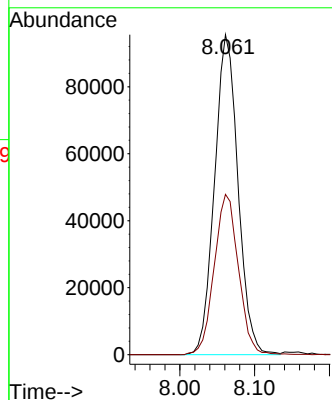
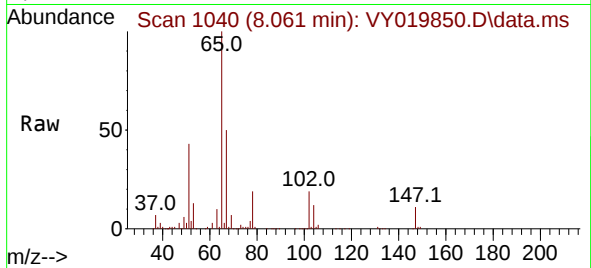


#33
 1,2-Dichloroethane-d4
 Concen: 45.205 ug/l
 RT: 8.061 min Scan# 11040
 Delta R.T. 0.000 min
 Lab File: VY019850.D
 Acq: 10 Oct 2024 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Tgt Ion: 65 Resp: 208647

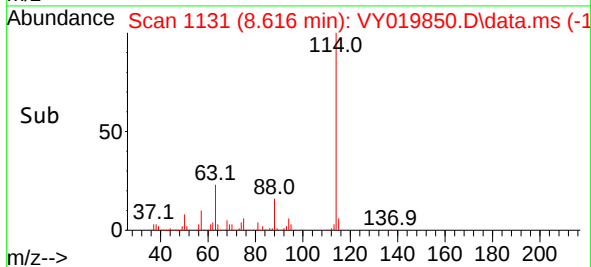
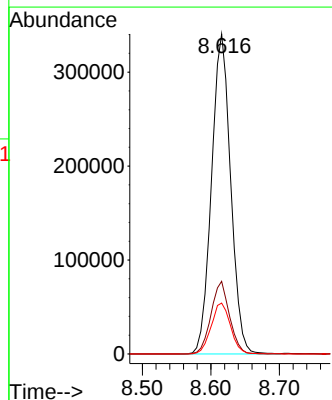
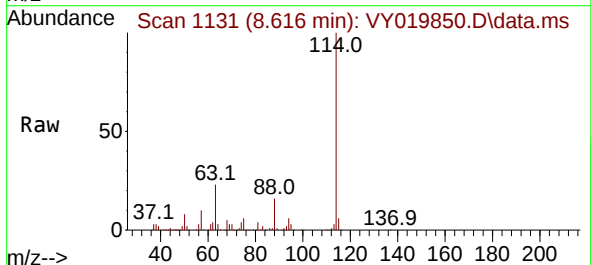
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.0

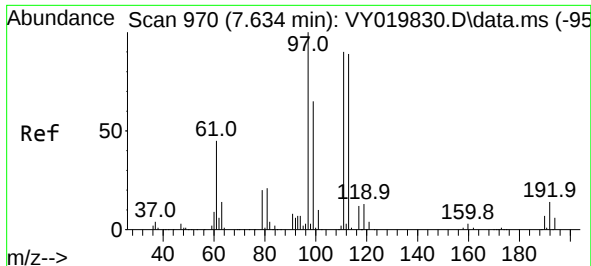


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY019850.D
 Acq: 10 Oct 2024 12:36

Tgt Ion: 114 Resp: 660138

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	43.8
88	15.9	0.0	32.0

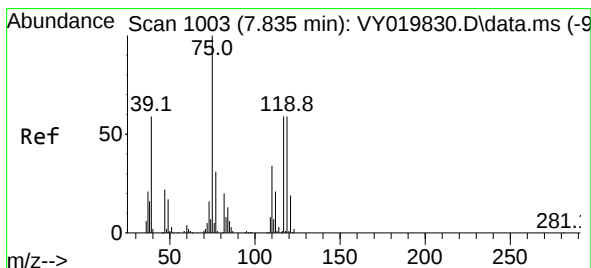
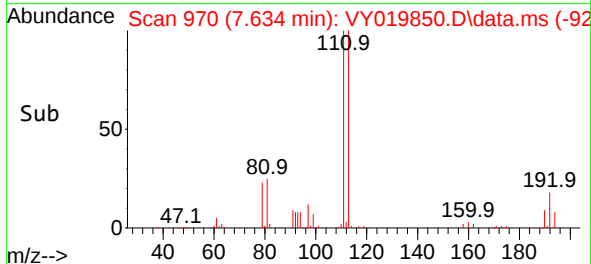
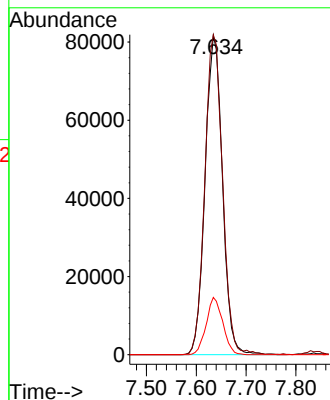
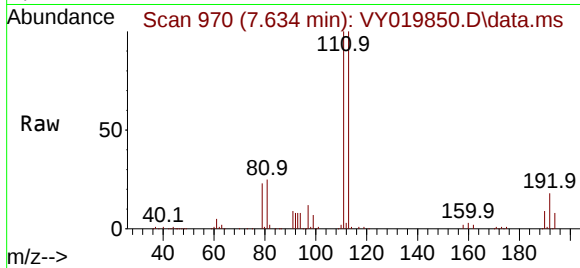




#35
Dibromofluoromethane
Concen: 45.309 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

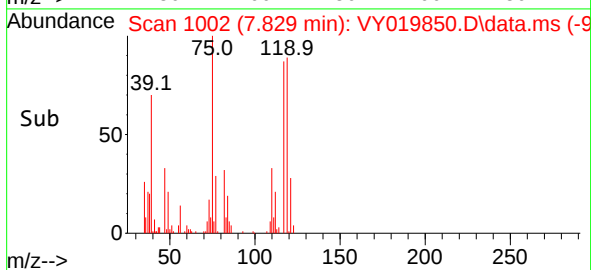
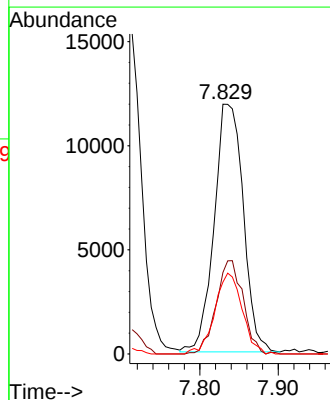
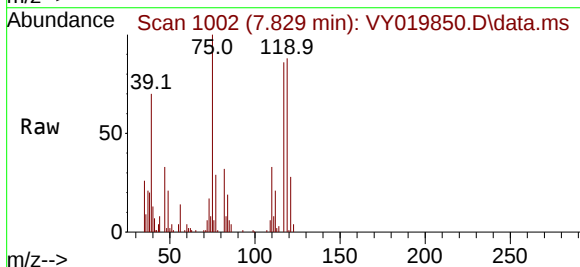
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

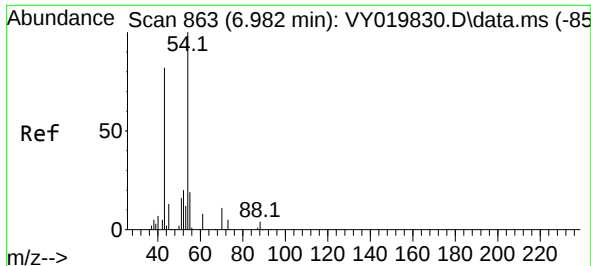
Tgt Ion:113 Resp: 197374
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 17.1 13.6 20.4



#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 75 Resp: 30705
Ion Ratio Lower Upper
75 100
110 34.8 16.6 49.8
77 30.8 24.6 36.8





#37

Ethyl Acetate

Concen: 5.187 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

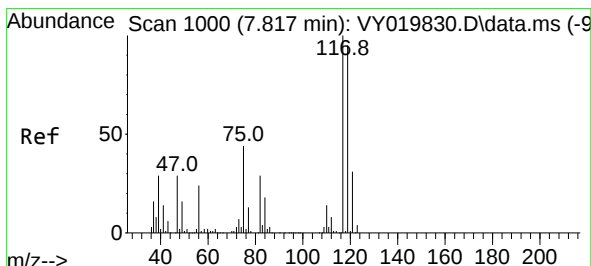
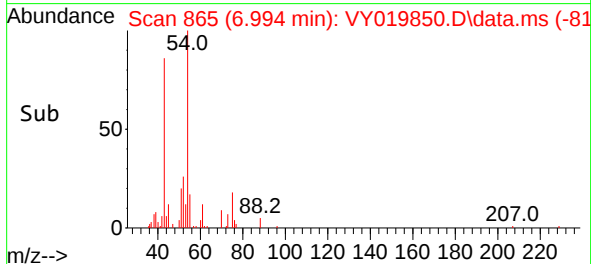
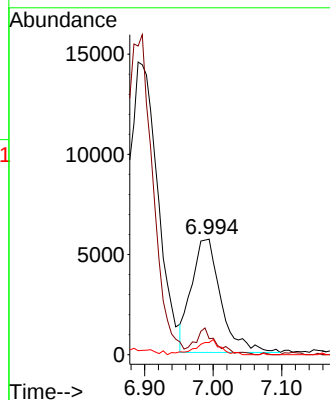
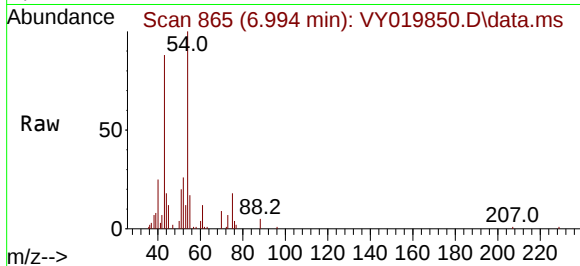
Tgt Ion: 43 Resp: 16973

Ion Ratio Lower Upper

43 100

61 13.2 10.9 16.3

70 10.7 7.6 11.4



#38

Carbon Tetrachloride

Concen: 5.053 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

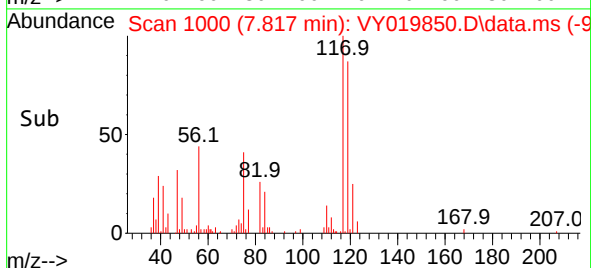
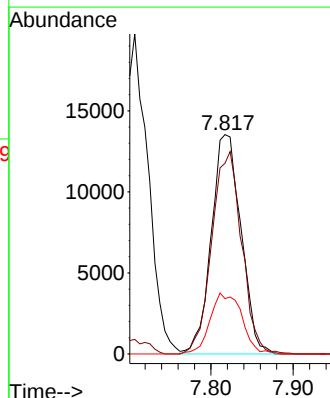
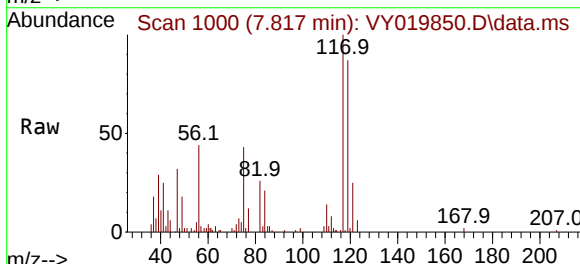
Tgt Ion: 117 Resp: 33995

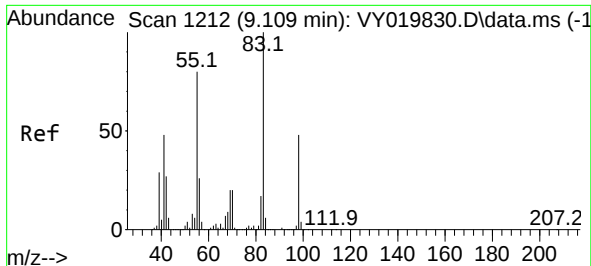
Ion Ratio Lower Upper

117 100

119 87.0 76.2 114.4

121 25.3 25.0 37.4





#39

Methylcyclohexane

Concen: 4.914 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

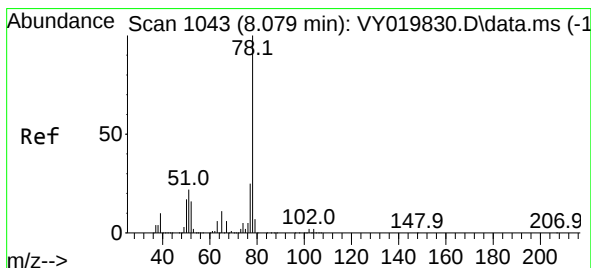
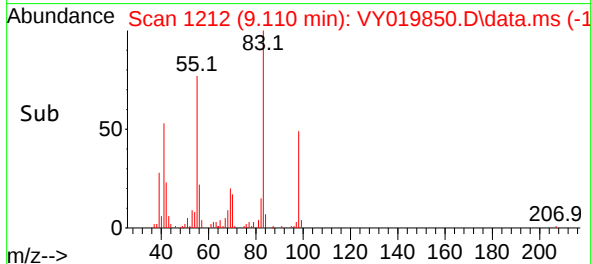
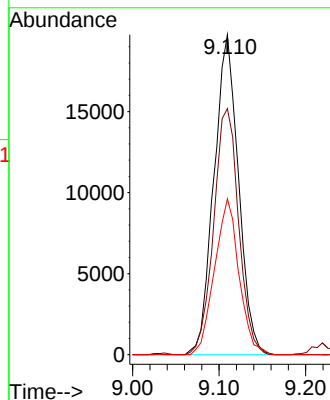
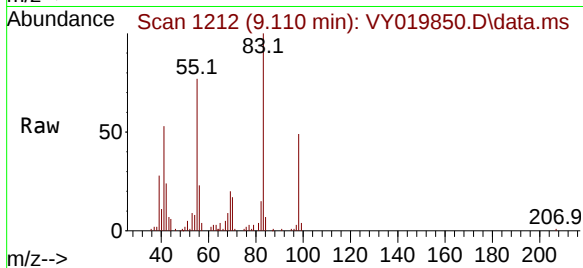
Tgt Ion: 83 Resp: 38856

Ion Ratio Lower Upper

83 100

55 76.9 63.7 95.5

98 48.7 38.3 57.5



#40

Benzene

Concen: 5.048 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY019850.D

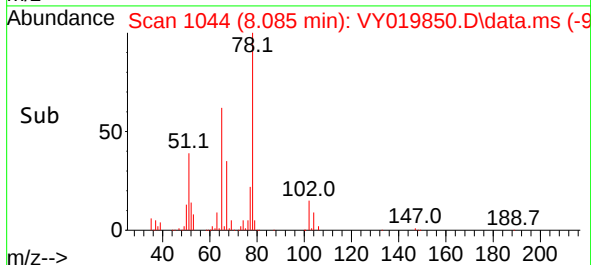
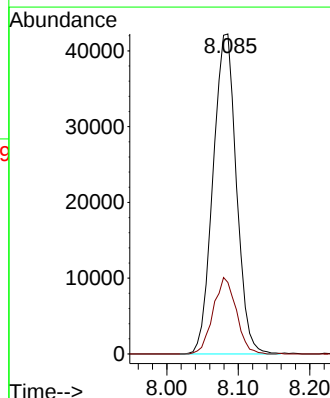
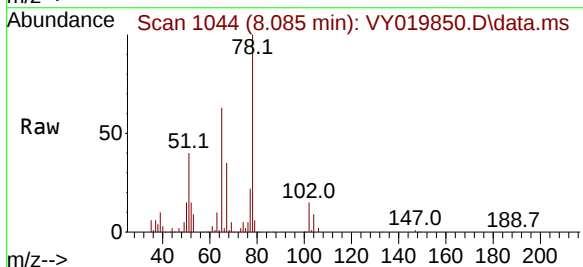
Acq: 10 Oct 2024 12:36

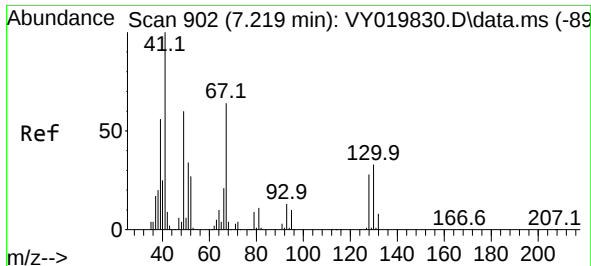
Tgt Ion: 78 Resp: 95880

Ion Ratio Lower Upper

78 100

77 22.4 19.6 29.4

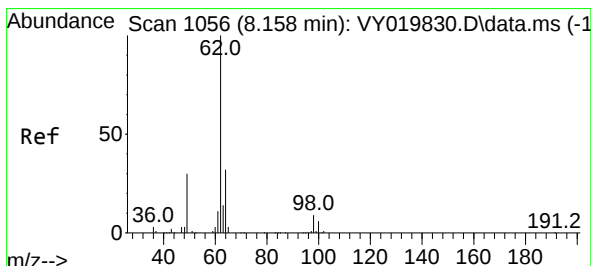
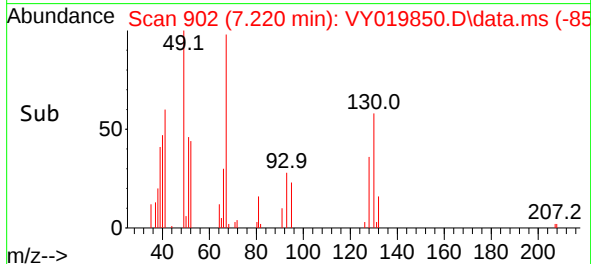
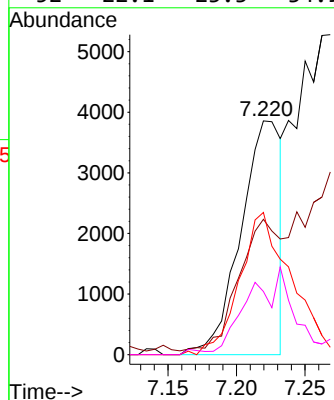
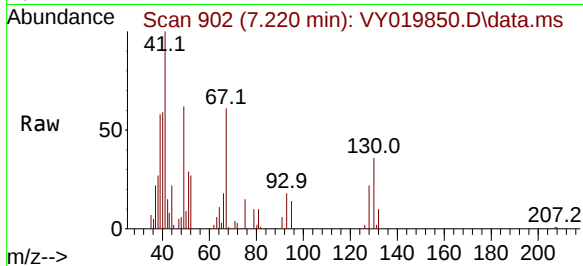




#41
Methacrylonitrile
Concen: 4.466 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

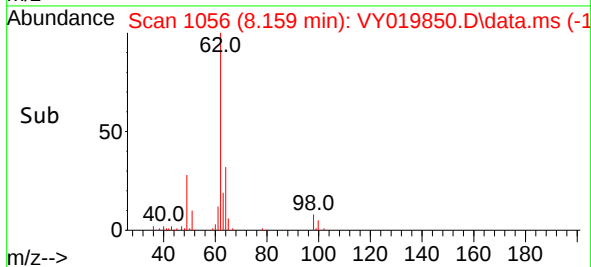
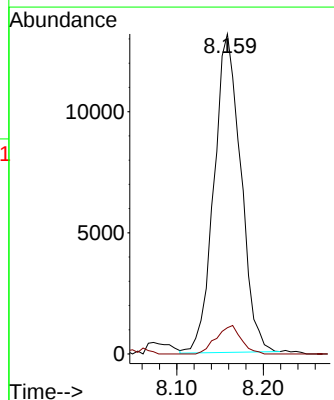
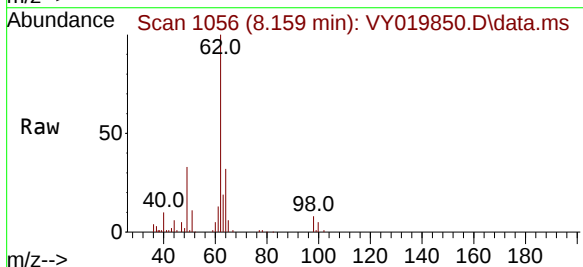
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

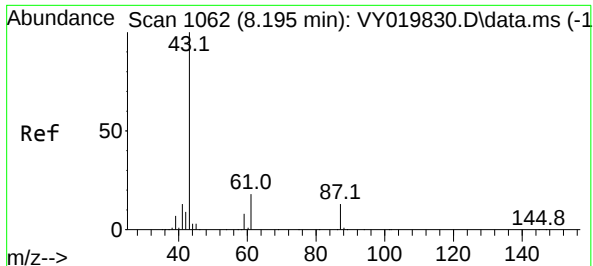
Tgt Ion:	41	Resp:	7910
Ion	Ratio	Lower	Upper
41	100		
39	56.3	43.9	65.9
67	77.0	53.2	79.8
52	22.1	23.3	34.9



#42
1,2-Dichloroethane
Concen: 5.182 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion:	62	Resp:	28278
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8





#43

Isopropyl Acetate

Concen: 5.168 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

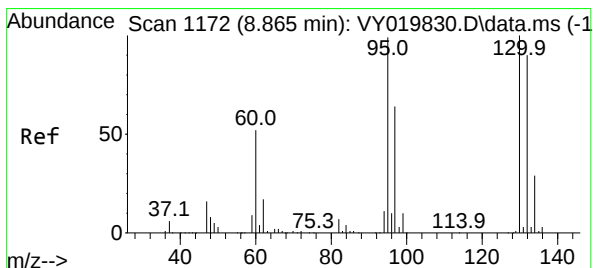
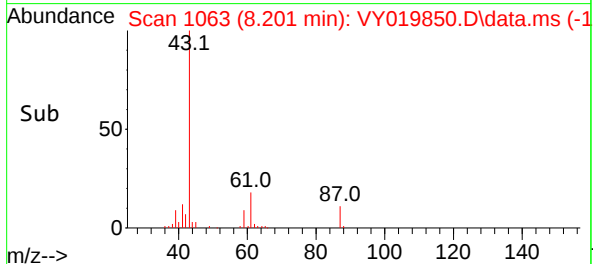
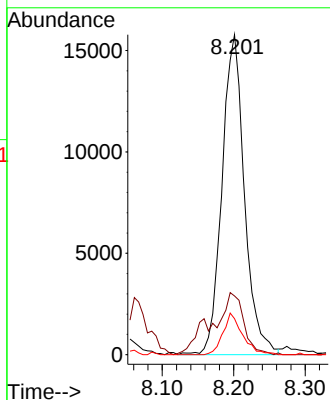
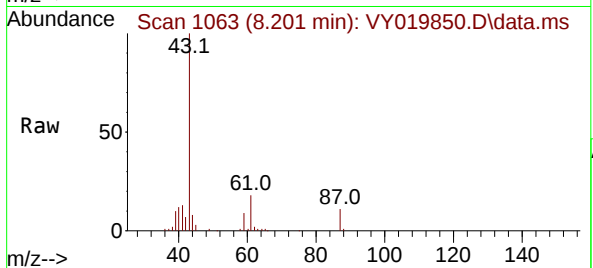
Tgt Ion: 43 Resp: 34490

Ion Ratio Lower Upper

43 100

61 17.5 15.5 23.3

87 11.3 9.9 14.9



#44

Trichloroethene

Concen: 4.960 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY019850.D

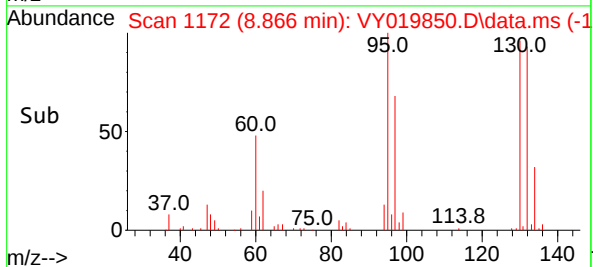
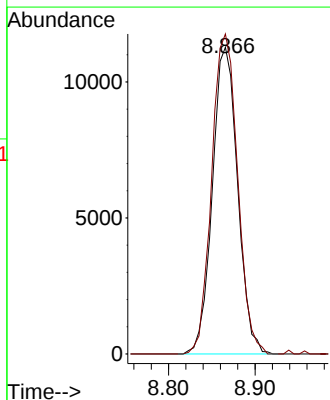
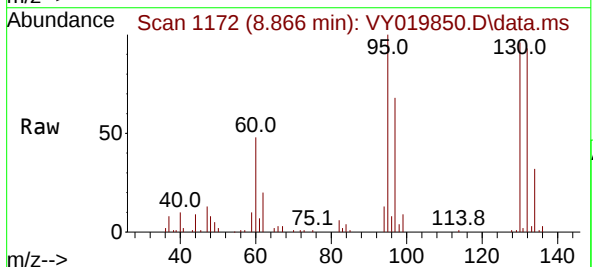
Acq: 10 Oct 2024 12:36

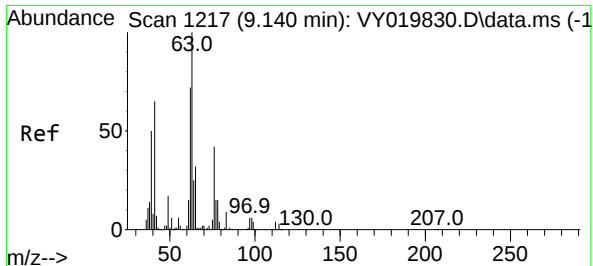
Tgt Ion:130 Resp: 22818

Ion Ratio Lower Upper

130 100

95 104.3 0.0 197.2





#45

1,2-Dichloropropane

Concen: 4.967 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

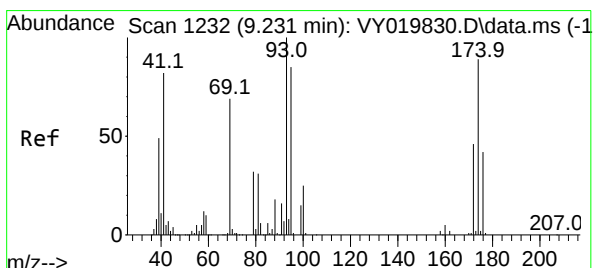
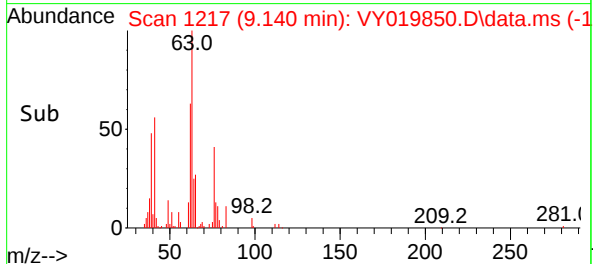
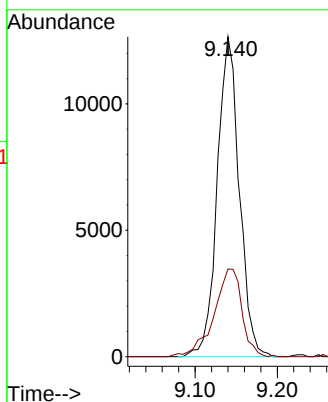
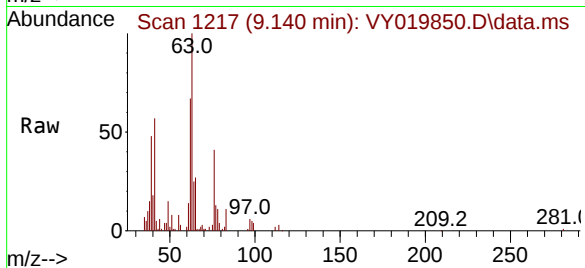
LOQ-SOIL-02-QT4-2024

Tgt Ion: 63 Resp: 23612

Ion Ratio Lower Upper

63 100

65 27.4 25.6 38.4



#46

Dibromomethane

Concen: 5.013 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

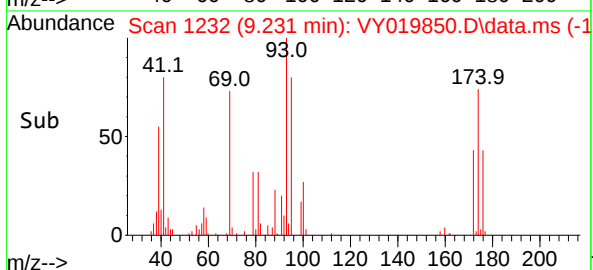
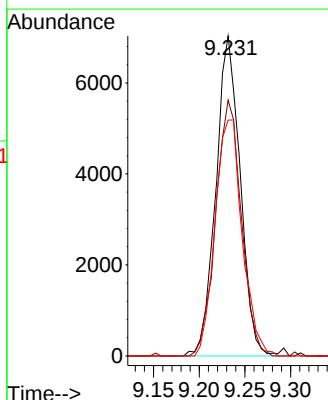
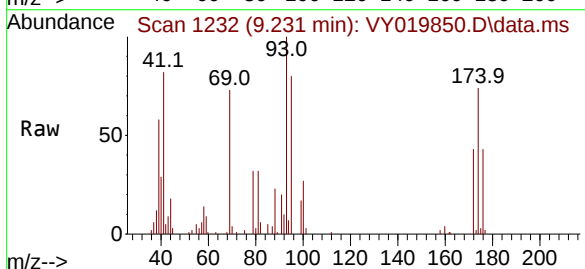
Tgt Ion: 93 Resp: 13020

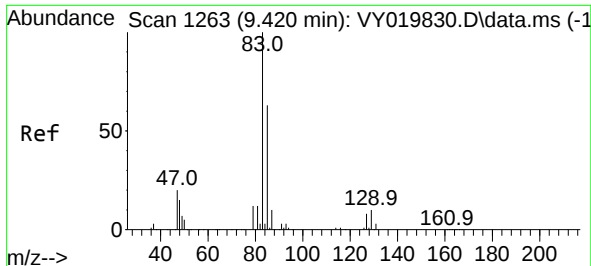
Ion Ratio Lower Upper

93 100

95 83.9 65.4 98.2

174 82.5 70.4 105.6

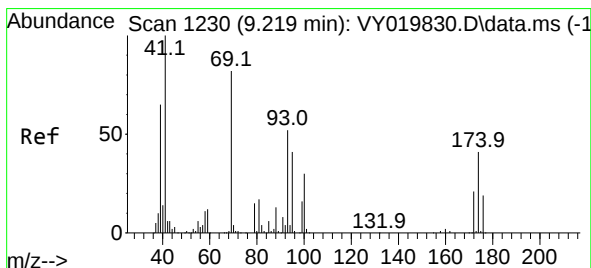
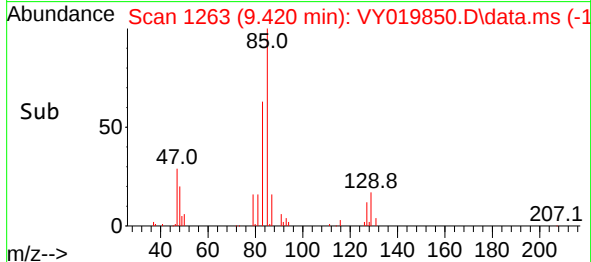
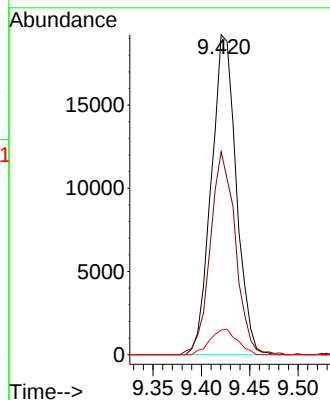
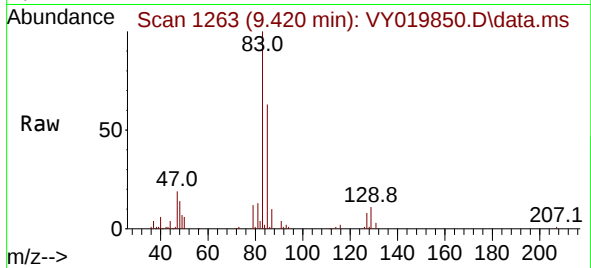




#47
Bromodichloromethane
Concen: 5.002 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

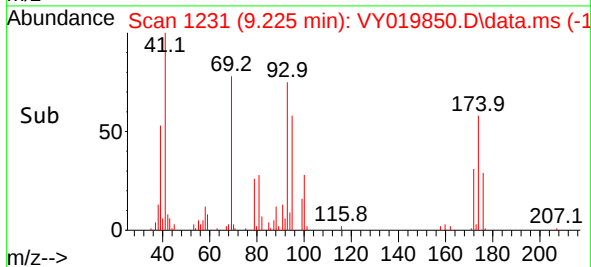
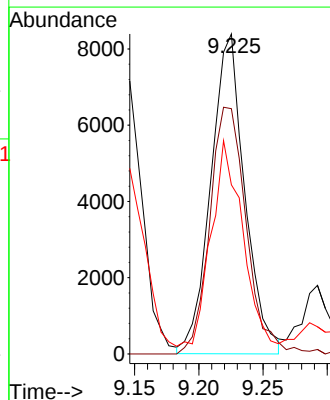
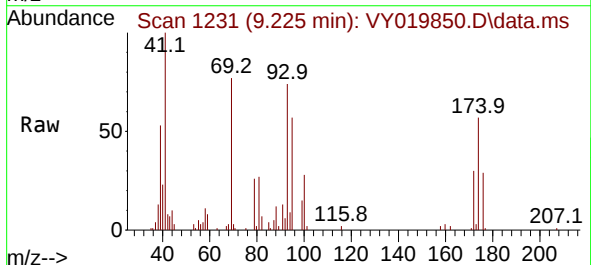
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

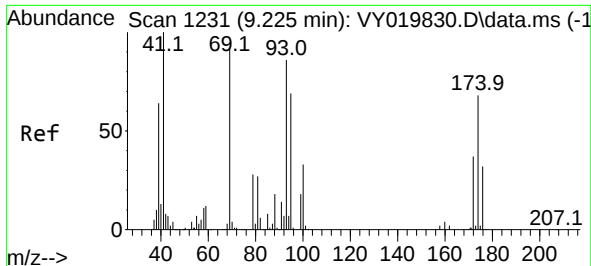
Tgt Ion:	83	Resp:	34484
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.2
127	7.7	6.3	9.5



#48
Methyl methacrylate
Concen: 5.252 ug/l m
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion:	41	Resp:	15417
Ion	Ratio	Lower	Upper
41	100		
69	83.5	66.3	99.5
39	64.8	50.2	75.4





#49

1,4-Dioxane

Concen: 105.228 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019850.D

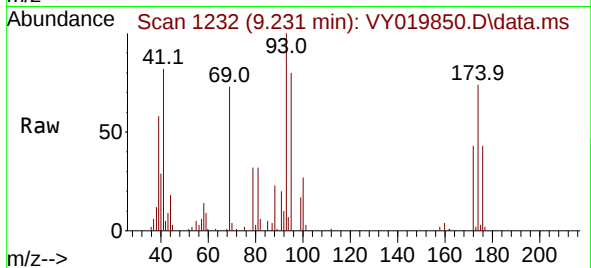
Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024



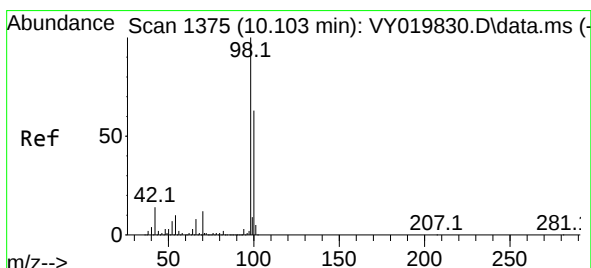
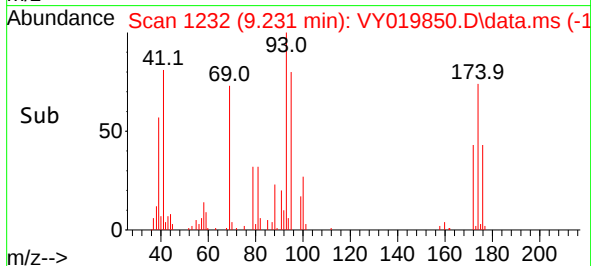
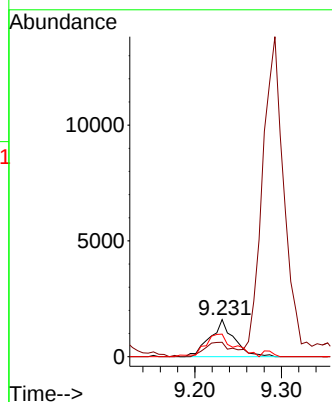
Tgt Ion: 88 Resp: 3059

Ion Ratio Lower Upper

88 100

43 42.6 28.5 42.7

58 73.4 52.6 78.8



#50

Toluene-d8

Concen: 44.760 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019850.D

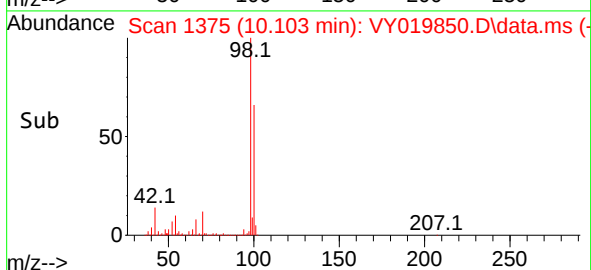
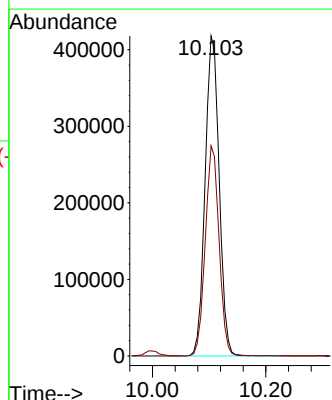
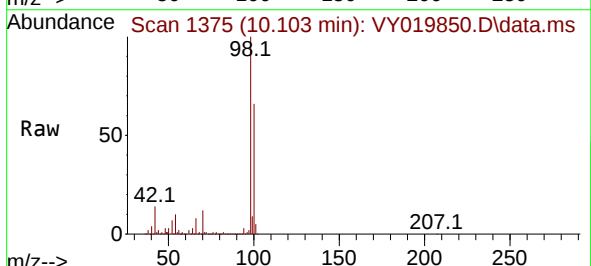
Acq: 10 Oct 2024 12:36

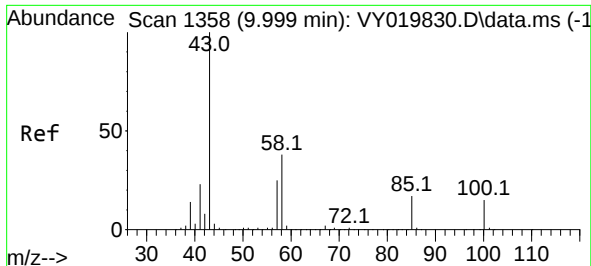
Tgt Ion: 98 Resp: 720051

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7

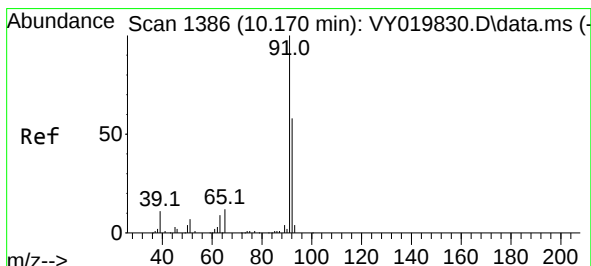
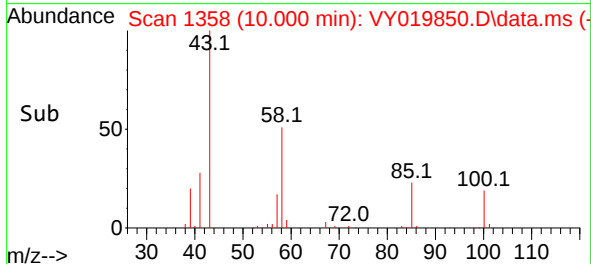
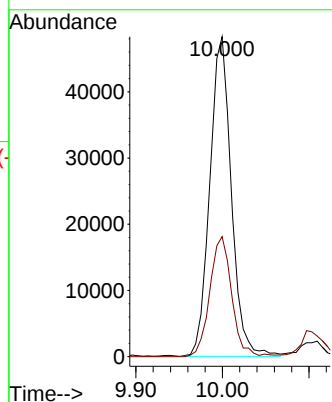
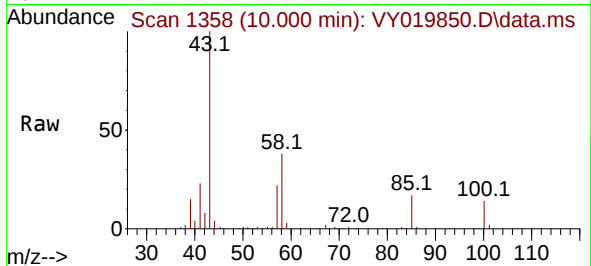




#51
4-Methyl-2-Pentanone
Concen: 24.478 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

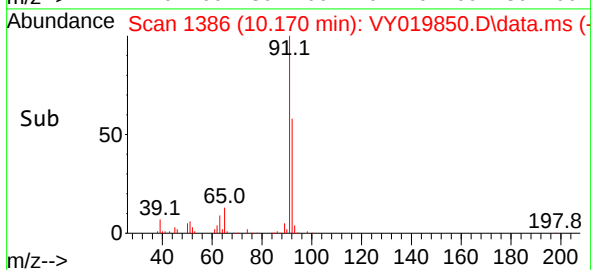
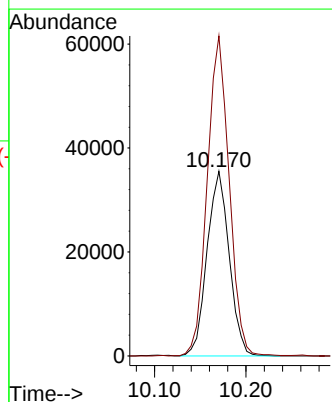
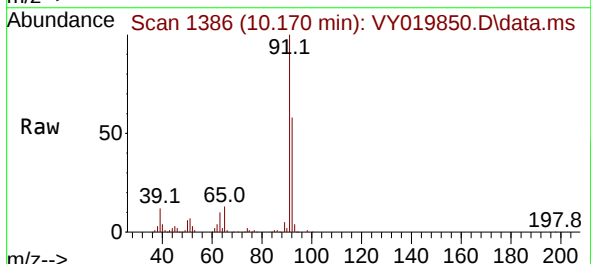
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

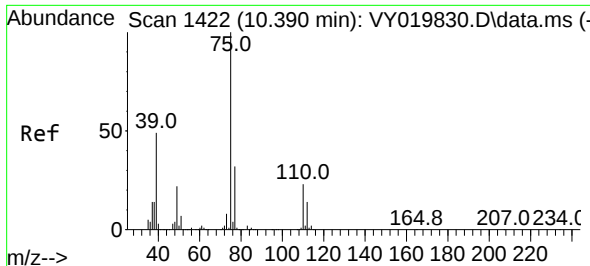
Tgt Ion: 43 Resp: 83326
Ion Ratio Lower Upper
43 100
58 38.2 30.4 45.6



#52
Toluene
Concen: 5.037 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 92 Resp: 59716
Ion Ratio Lower Upper
92 100
91 171.6 139.2 208.8

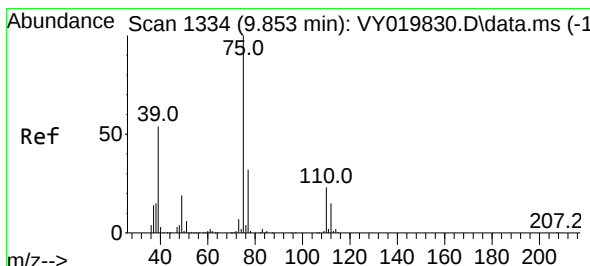
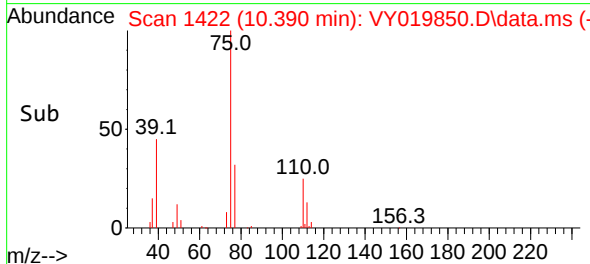
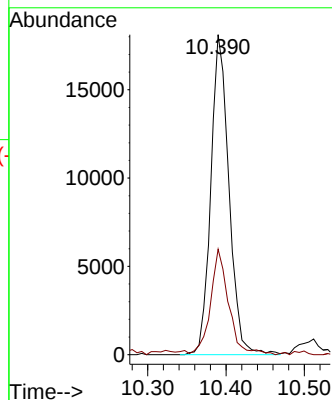
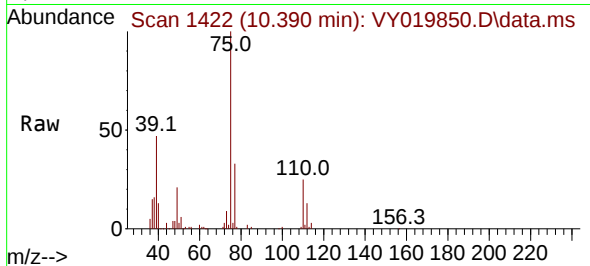




#53
t-1,3-Dichloropropene
Concen: 4.688 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

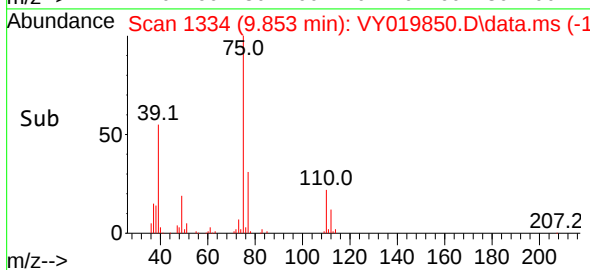
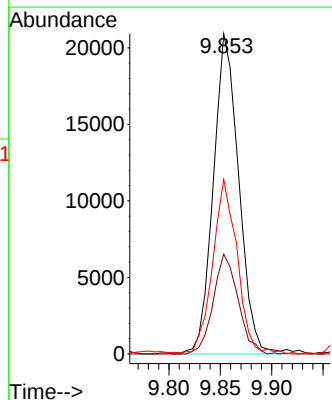
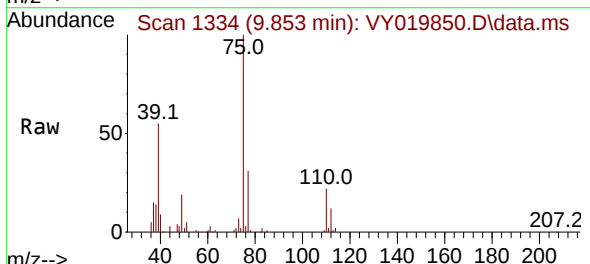
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2024

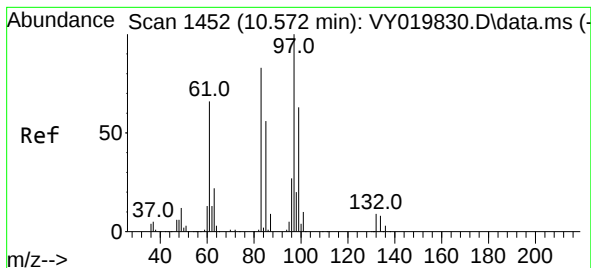
Tgt Ion: 75 Resp: 29081
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 75 Resp: 35933
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2
39 54.2 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 5.183 ug/l

RT: 10.567 min Scan# 1451

Delta R.T. -0.006 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 97 Resp: 17738

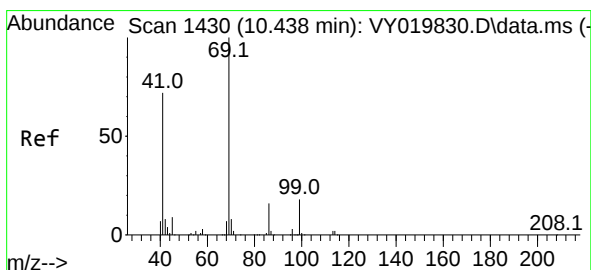
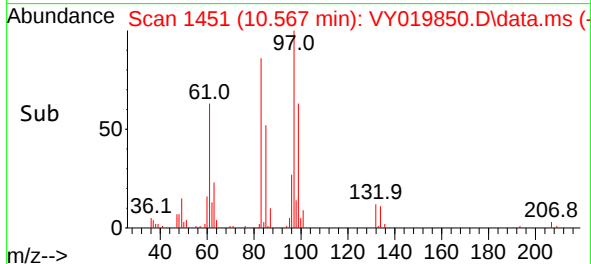
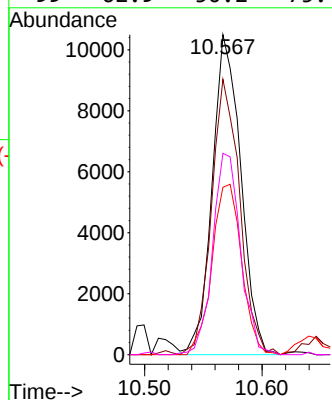
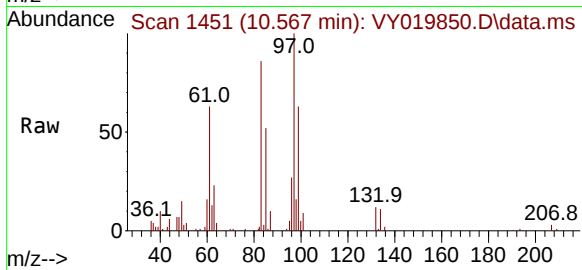
Ion Ratio Lower Upper

97 100

83 86.1 66.7 100.1

85 52.3 45.0 67.4

99 62.9 50.2 75.4



#56

Ethyl methacrylate

Concen: 4.877 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

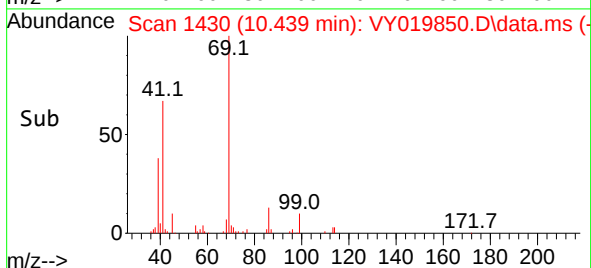
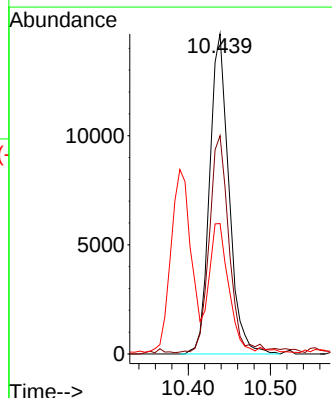
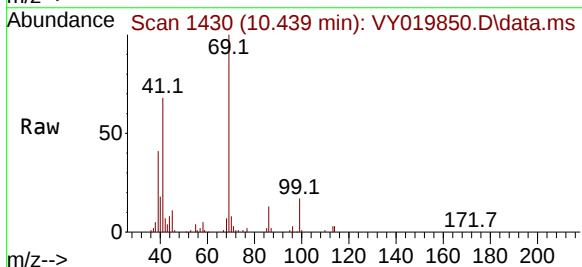
Tgt Ion: 69 Resp: 23947

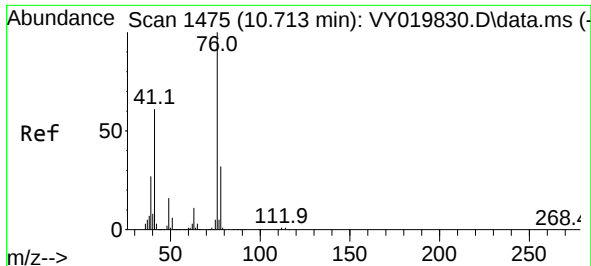
Ion Ratio Lower Upper

69 100

41 69.5 55.2 82.8

39 39.9 33.0 49.4





#57

1,3-Dichloropropane

Concen: 5.171 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

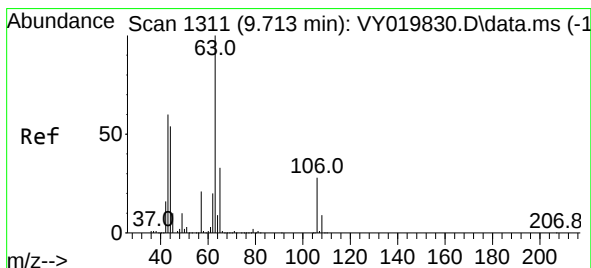
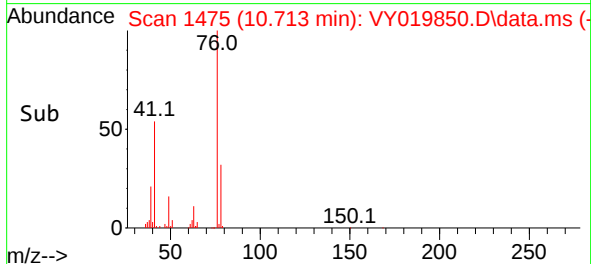
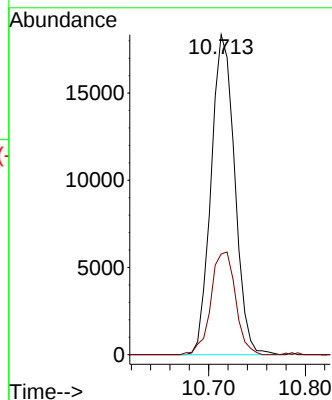
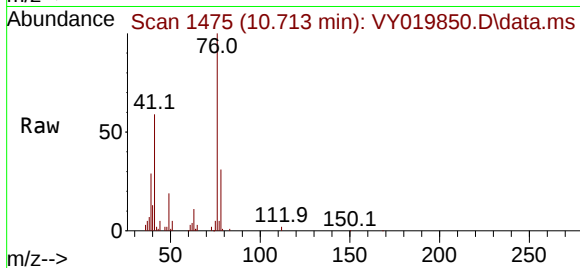
LOQ-SOIL-02-QT4-2024

Tgt Ion: 76 Resp: 31076

Ion Ratio Lower Upper

76 100

78 33.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 23.366 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY019850.D

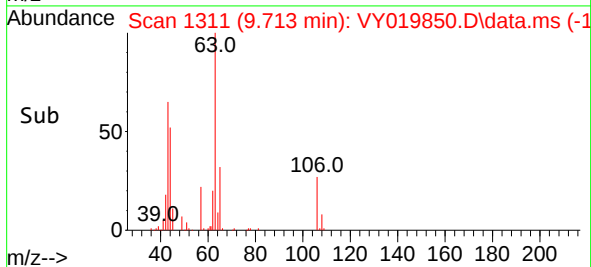
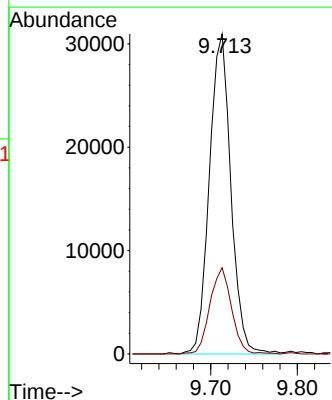
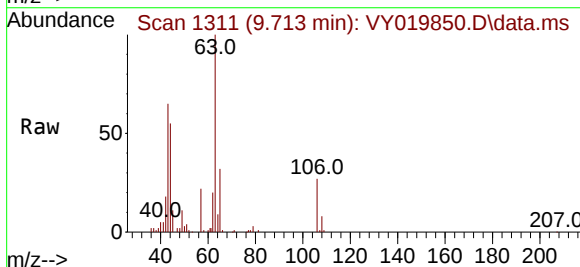
Acq: 10 Oct 2024 12:36

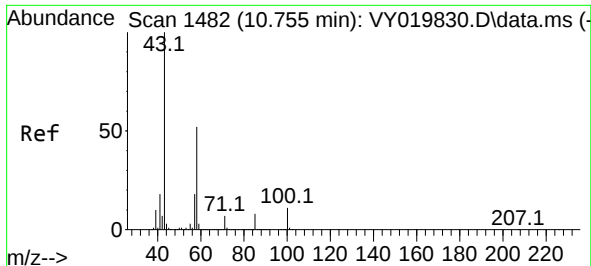
Tgt Ion: 63 Resp: 53412

Ion Ratio Lower Upper

63 100

106 27.1 21.7 32.5

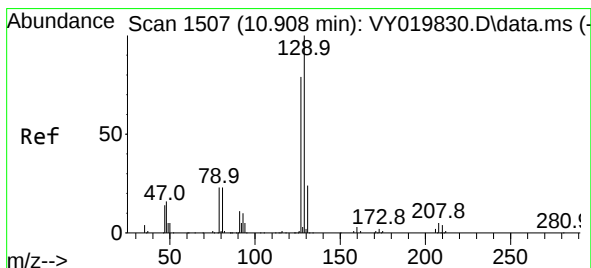
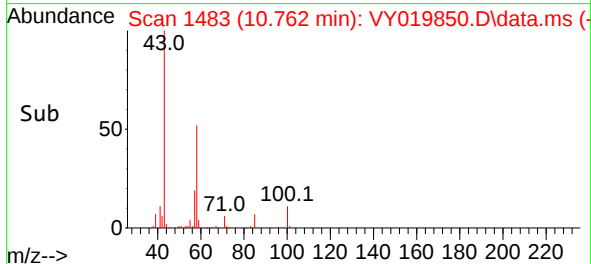
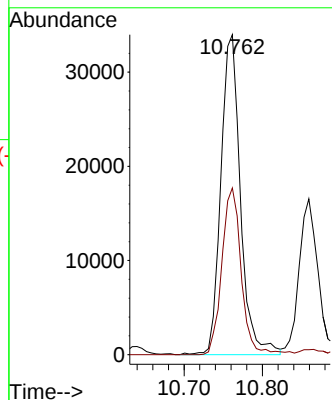
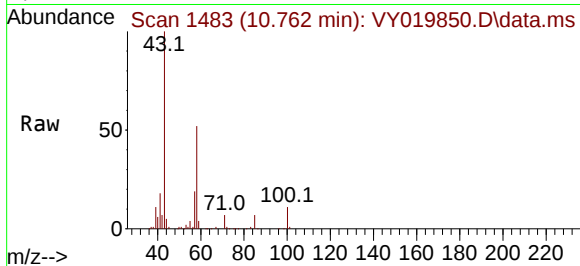




#59
2-Hexanone
Concen: 24.272 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

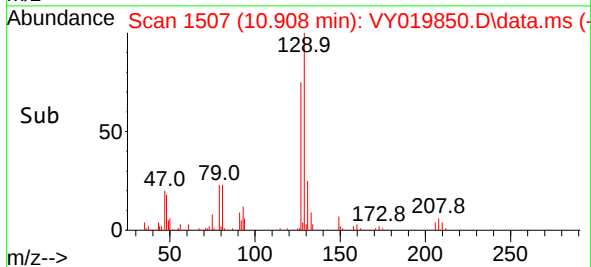
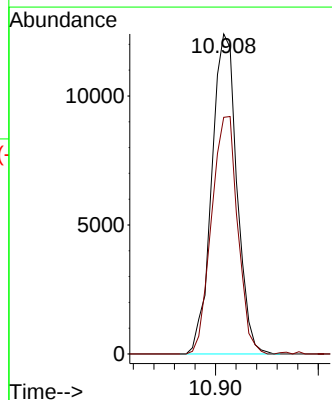
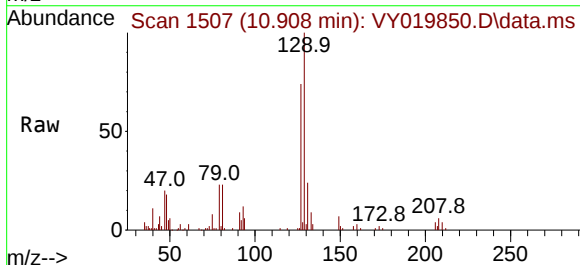
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2024

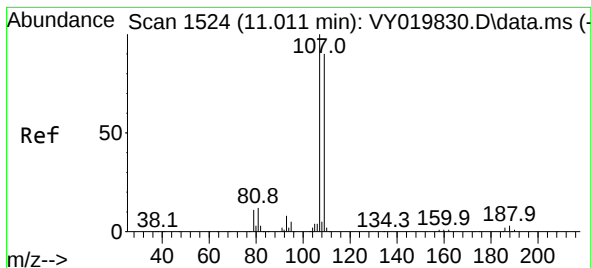
Tgt Ion: 43 Resp: 59013
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.2



#60
Dibromochloromethane
Concen: 4.803 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 129 Resp: 21098
Ion Ratio Lower Upper
129 100
127 76.9 39.5 118.5

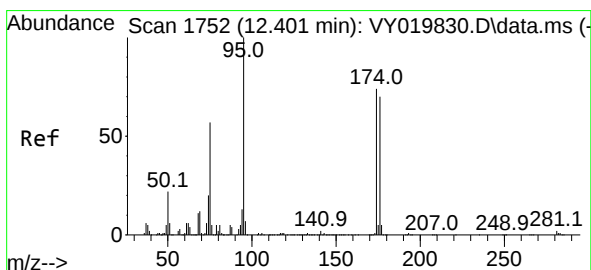
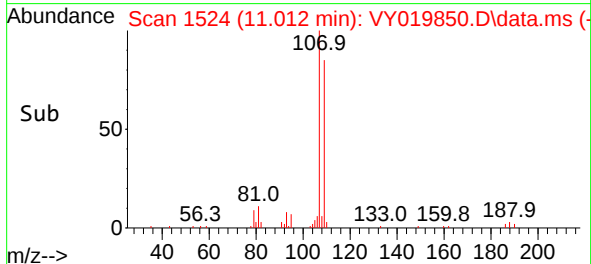
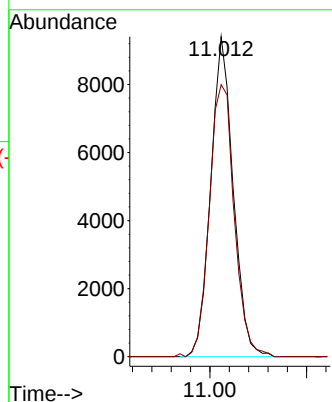
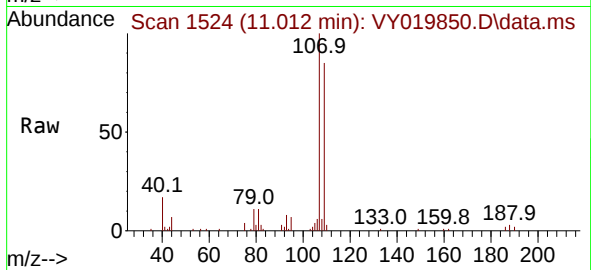




#61
1,2-Dibromoethane
Concen: 4.903 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

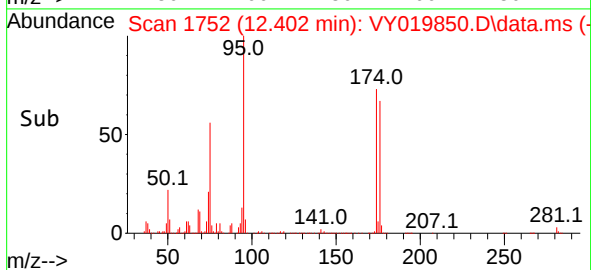
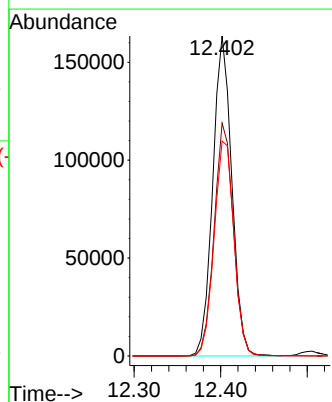
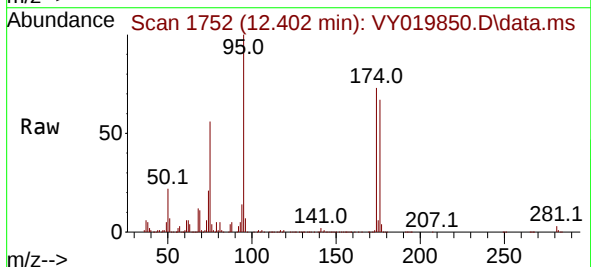
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

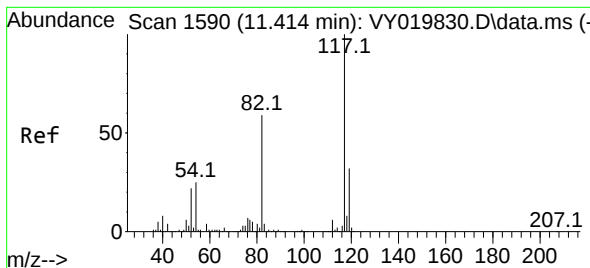
Tgt Ion:107 Resp: 15161
Ion Ratio Lower Upper
107 100
109 94.4 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 42.880 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 95 Resp: 249245
Ion Ratio Lower Upper
95 100
174 73.5 0.0 148.0
176 70.1 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

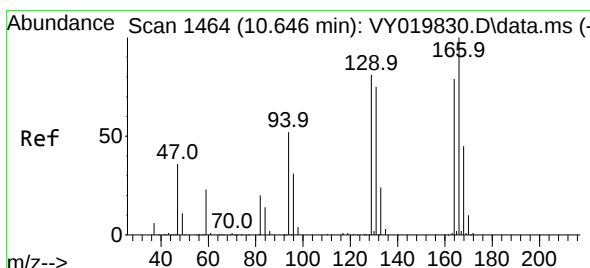
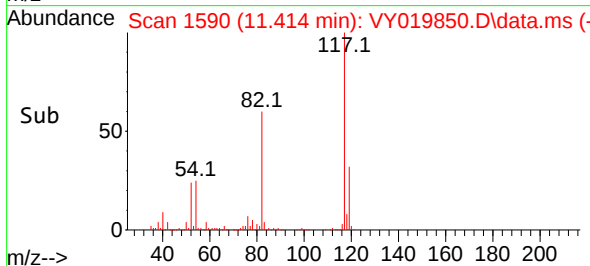
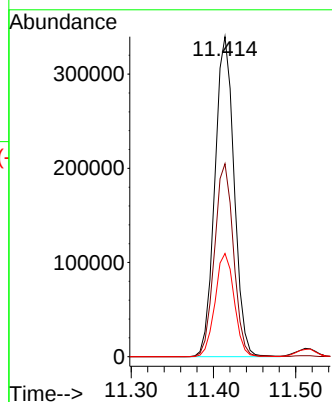
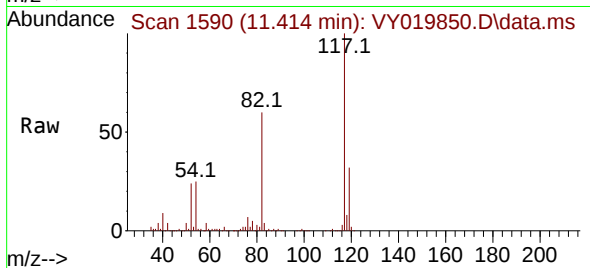
Tgt Ion:117 Resp: 553164

Ion Ratio Lower Upper

117 100

82 60.3 46.9 70.3

119 32.3 25.4 38.2



#64

Tetrachloroethene

Concen: 5.034 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Tgt Ion:164 Resp: 19807

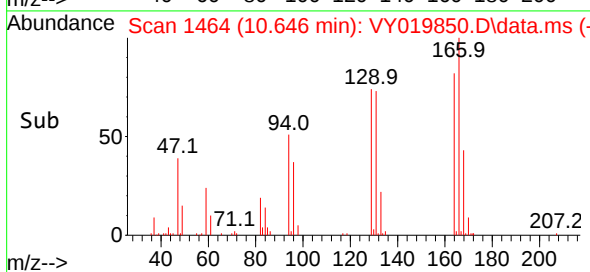
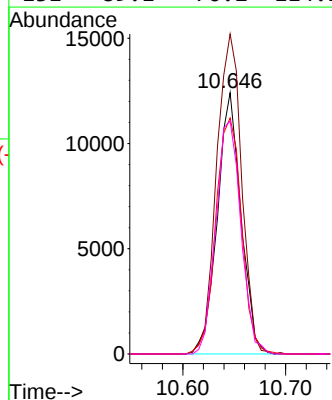
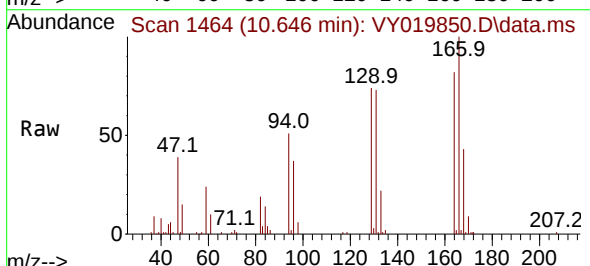
Ion Ratio Lower Upper

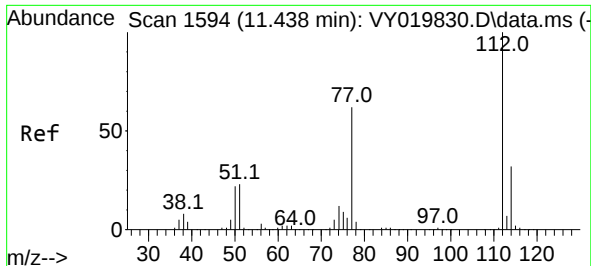
164 100

166 122.4 101.0 151.6

129 90.3 81.4 122.2

131 89.1 76.2 114.2

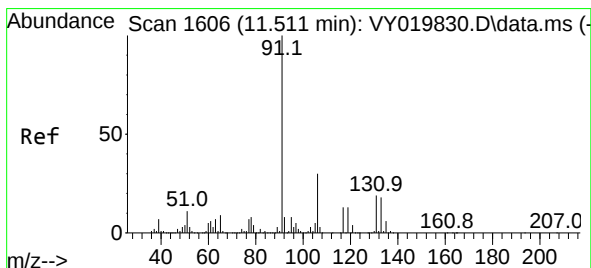
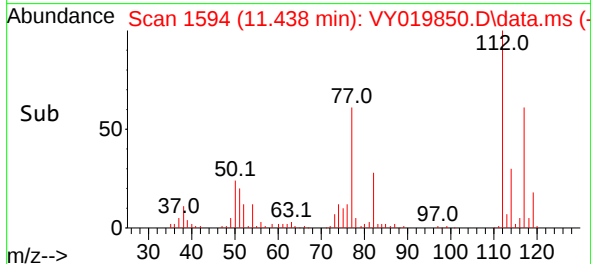
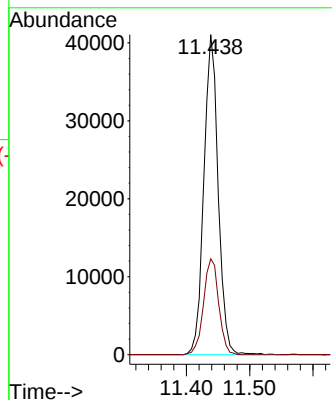
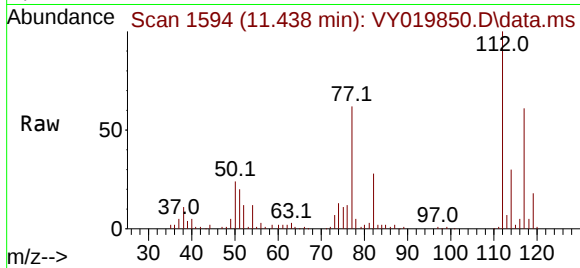




#65
Chlorobenzene
Concen: 5.110 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

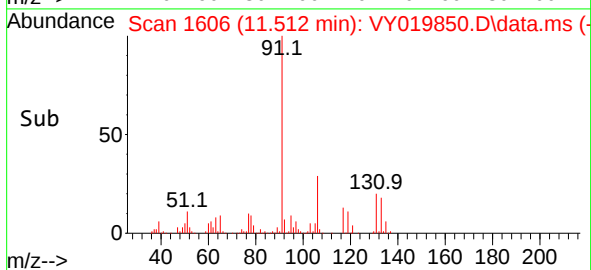
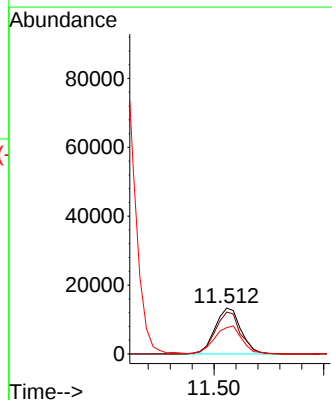
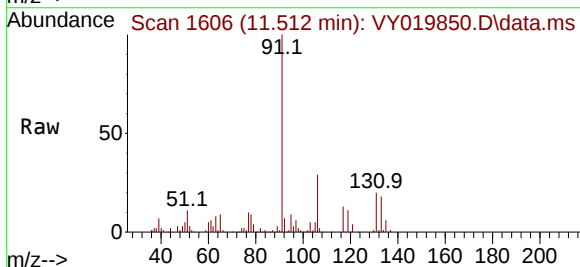
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

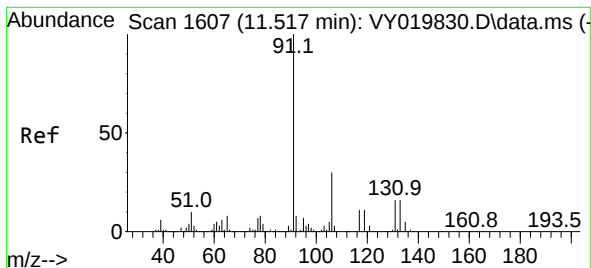
Tgt Ion:112 Resp: 64650
Ion Ratio Lower Upper
112 100
114 30.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.105 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion:131 Resp: 21853
Ion Ratio Lower Upper
131 100
133 90.3 48.0 144.0
119 64.6 33.4 100.1





#67

Ethyl Benzene

Concen: 4.967 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

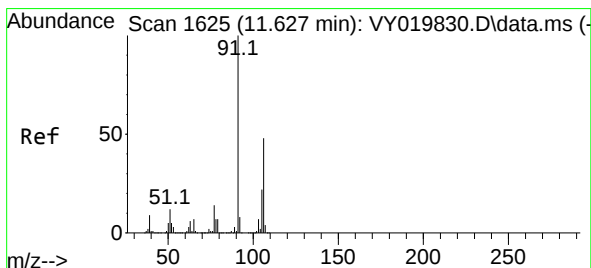
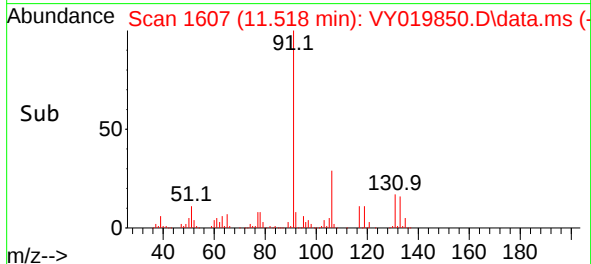
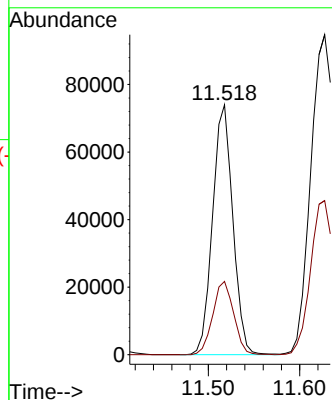
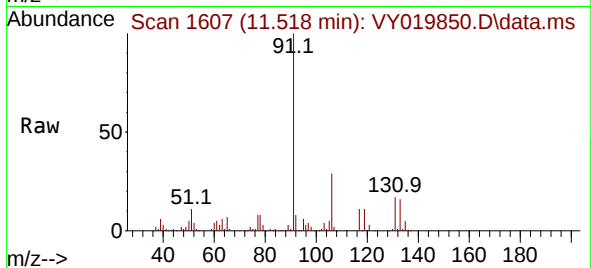
LOQ-SOIL-02-QT4-2024

Tgt Ion: 91 Resp: 114151

Ion Ratio Lower Upper

91 100

106 29.3 23.7 35.5



#68

m/p-Xylenes

Concen: 9.878 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY019850.D

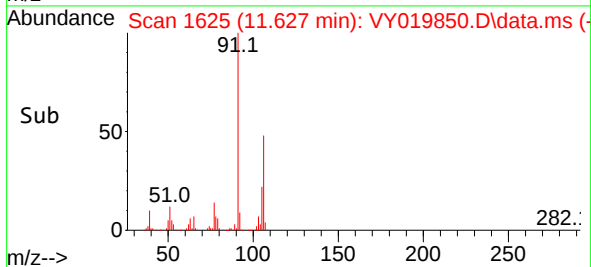
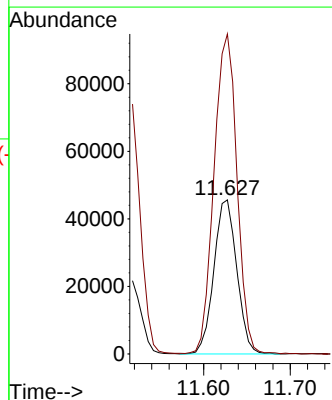
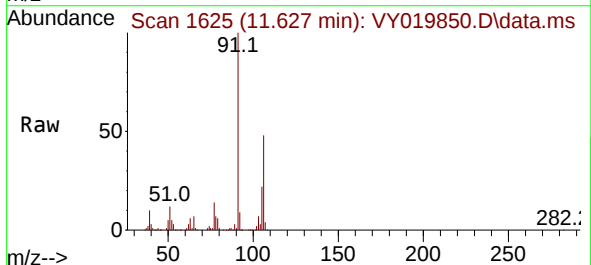
Acq: 10 Oct 2024 12:36

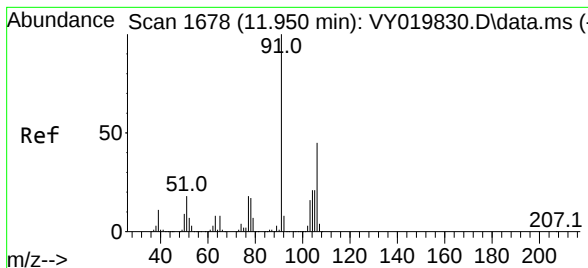
Tgt Ion:106 Resp: 83849

Ion Ratio Lower Upper

106 100

91 208.3 165.7 248.5





#69

o-Xylene

Concen: 4.823 ug/l

RT: 11.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

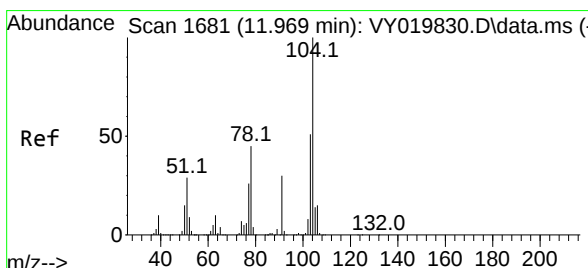
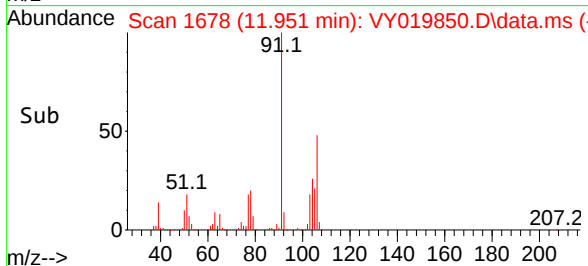
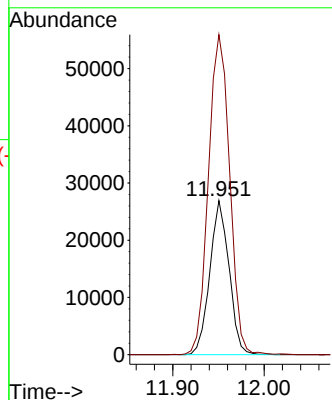
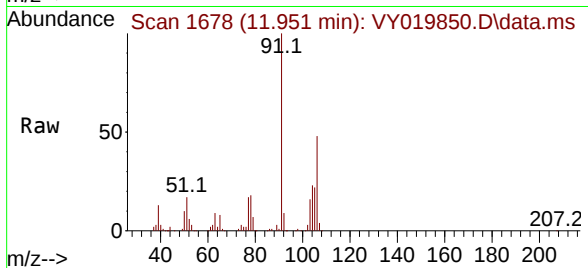
LOQ-SOIL-02-QT4-2024

Tgt Ion:106 Resp: 39331

Ion Ratio Lower Upper

106 100

91 229.6 109.5 328.4



#70

Styrene

Concen: 4.736 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

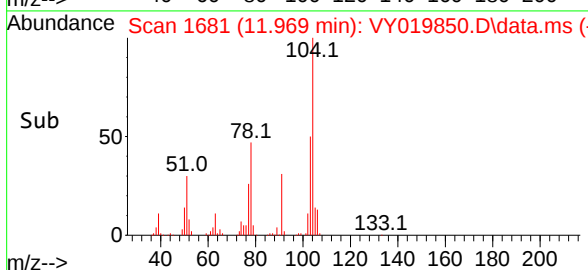
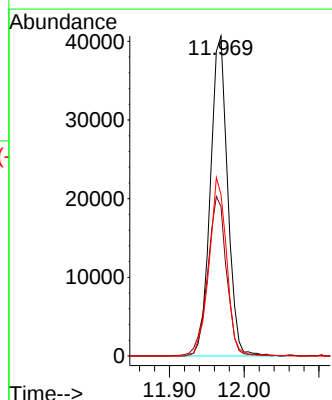
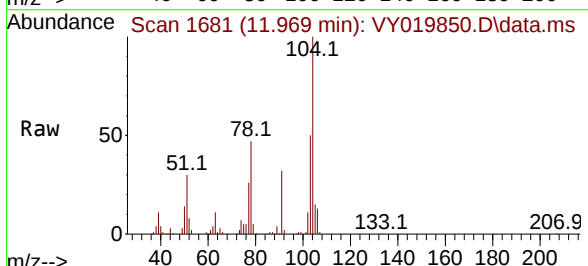
Tgt Ion:104 Resp: 65167

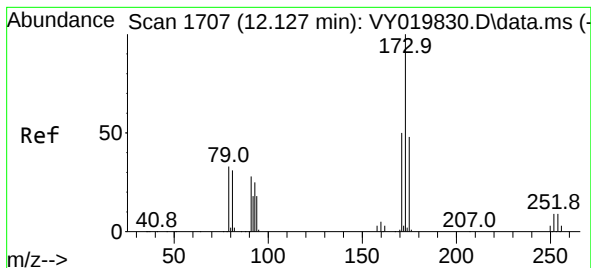
Ion Ratio Lower Upper

104 100

78 54.8 41.9 62.9

103 57.0 43.7 65.5





#71

Bromoform

Concen: 4.727 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

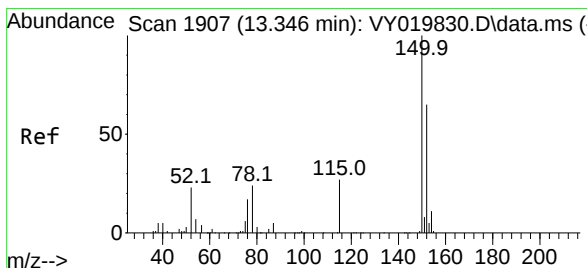
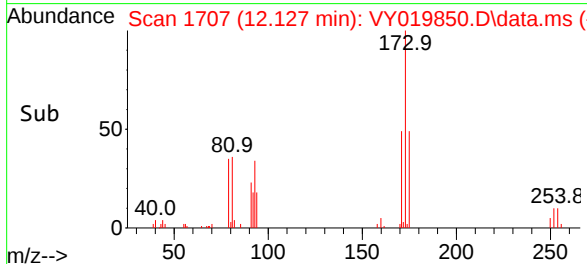
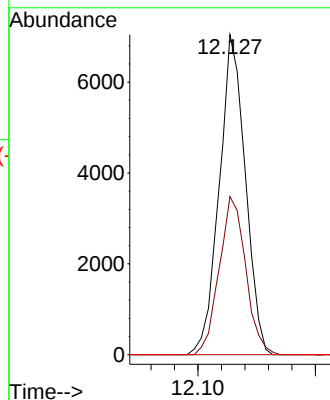
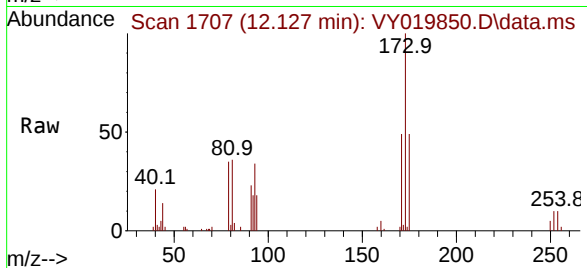
Tgt Ion:173 Resp: 10833

Ion Ratio Lower Upper

173 100

175 50.3 23.6 71.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

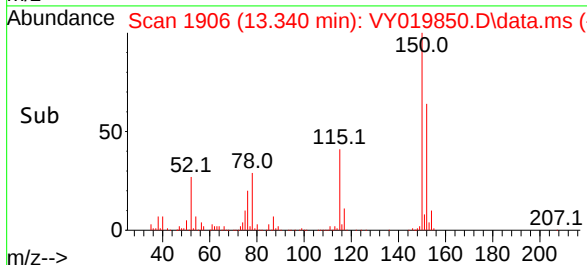
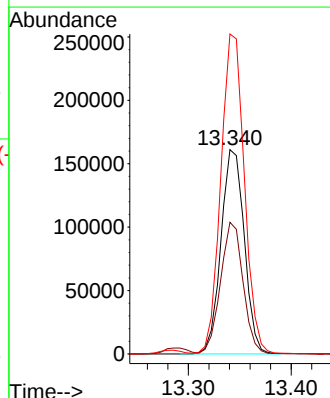
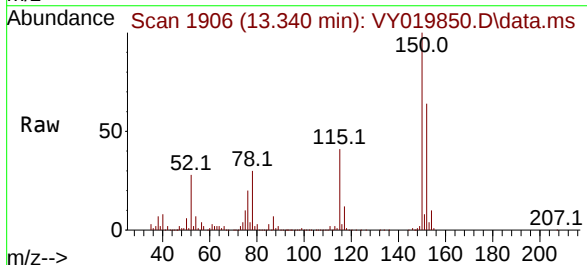
Tgt Ion:152 Resp: 253333

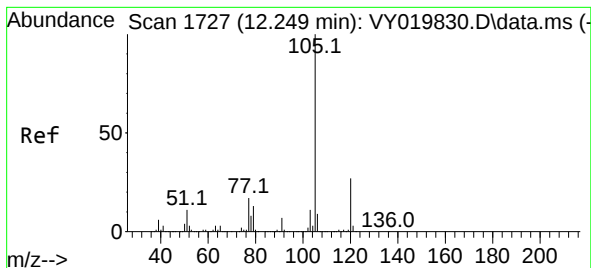
Ion Ratio Lower Upper

152 100

115 62.3 30.8 92.3

150 158.2 0.0 352.8





#73

Isopropylbenzene

Concen: 5.139 ug/l

RT: 12.249 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

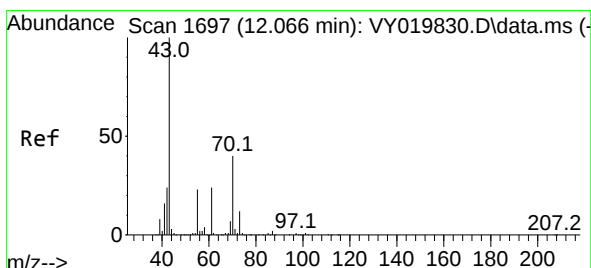
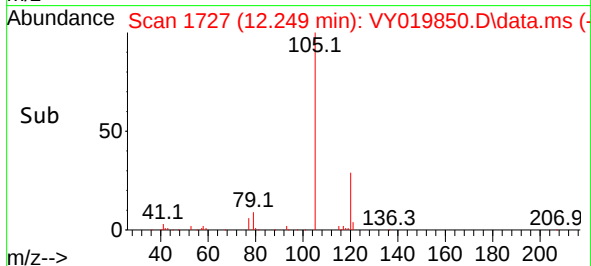
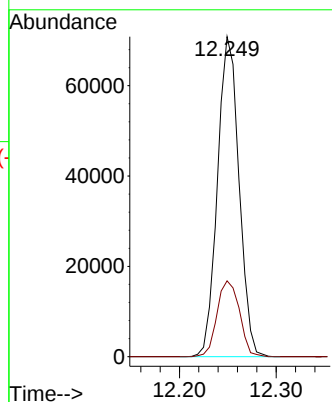
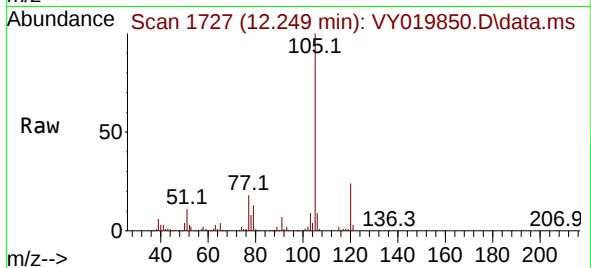
LOQ-SOIL-02-QT4-2024

Tgt Ion:105 Resp: 109511

Ion Ratio Lower Upper

105 100

120 24.7 13.0 38.9



#74

N-ethyl acetate

Concen: 4.853 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Tgt Ion: 43 Resp: 27391

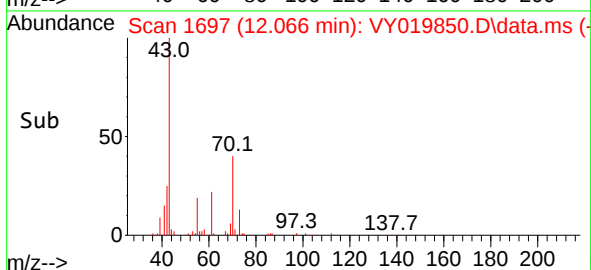
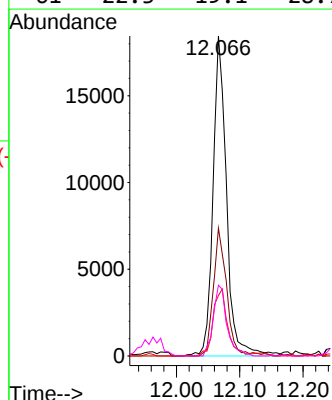
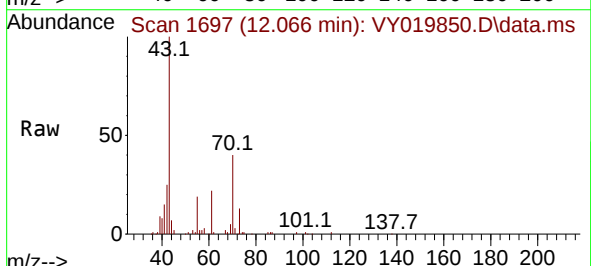
Ion Ratio Lower Upper

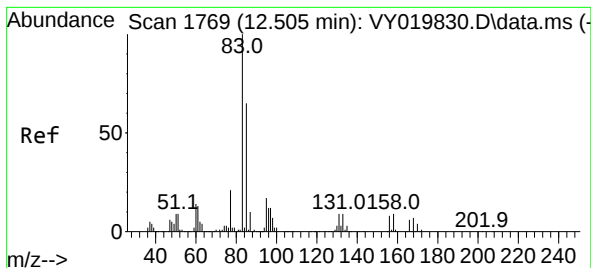
43 100

70 39.7 32.8 49.2

55 22.3 19.3 28.9

61 22.3 19.1 28.7

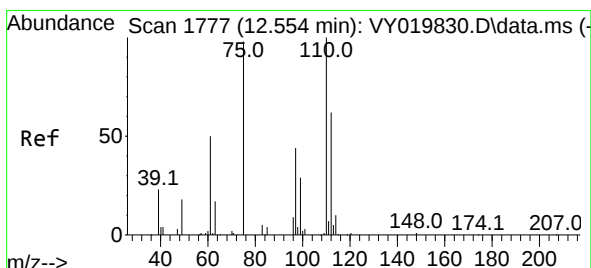
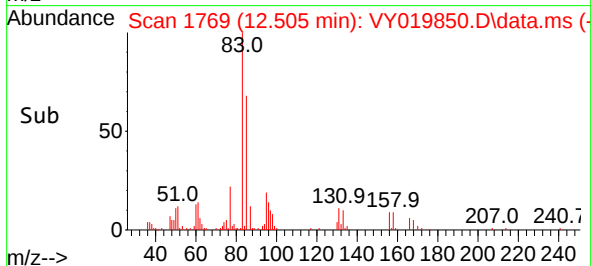
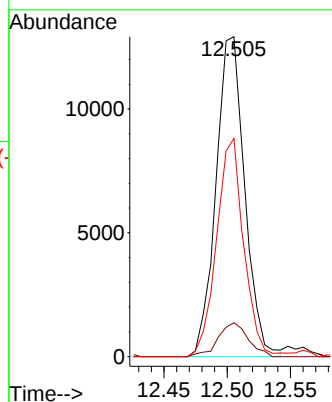
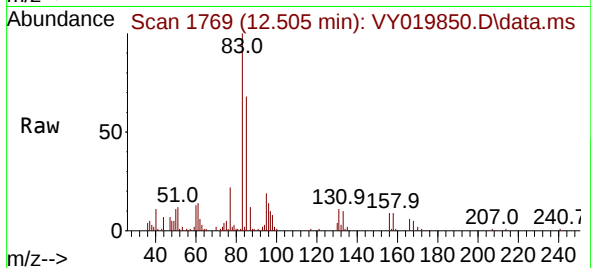




#75
1,1,2,2-Tetrachloroethane
Concen: 5.389 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

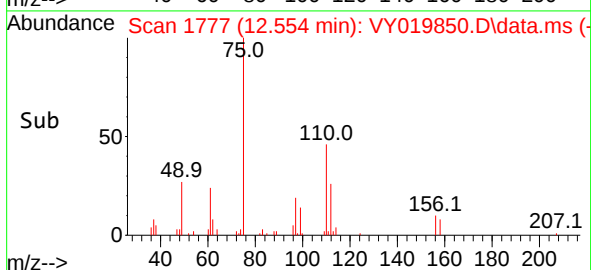
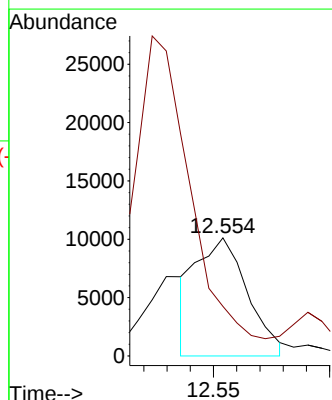
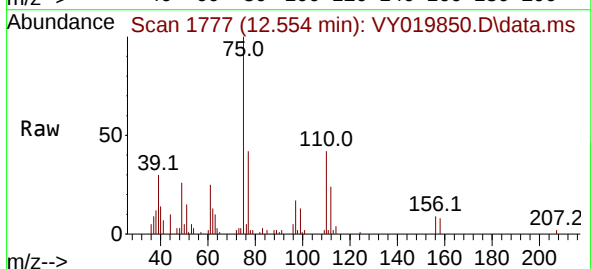
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

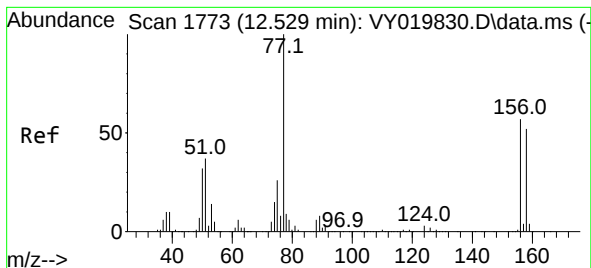
Tgt Ion: 83 Resp: 20404
Ion Ratio Lower Upper
83 100
131 11.1 4.9 14.6
85 64.6 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 5.943 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 75 Resp: 15678
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.221 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

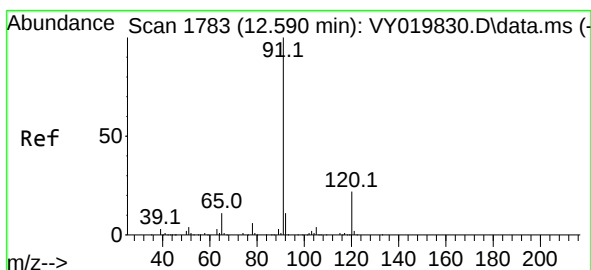
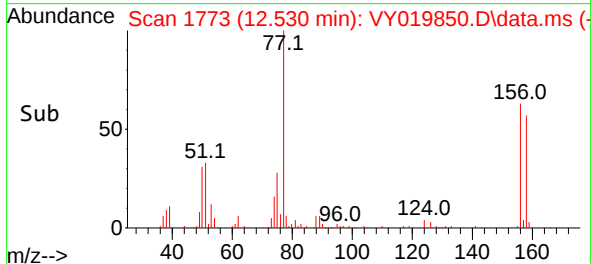
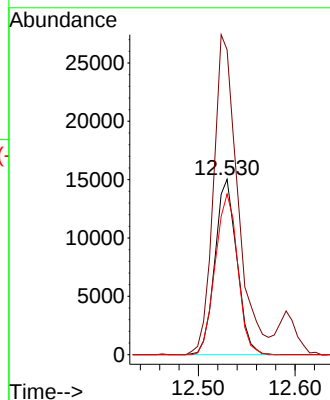
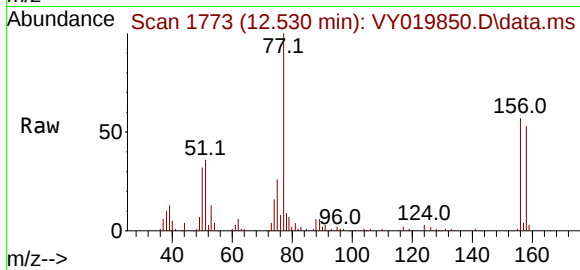
Tgt Ion:156 Resp: 23607

Ion Ratio Lower Upper

156 100

77 202.5 101.3 303.9

158 93.9 47.9 143.6



#78

n-propylbenzene

Concen: 5.210 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY019850.D

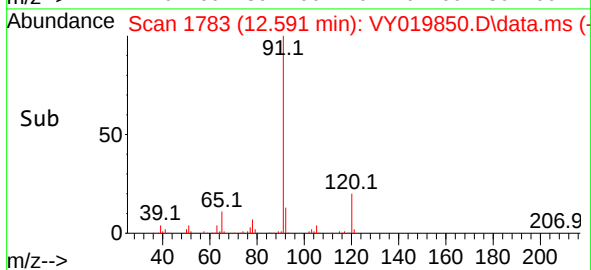
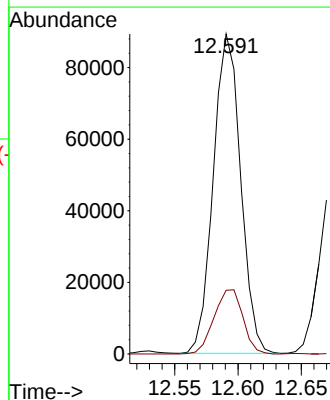
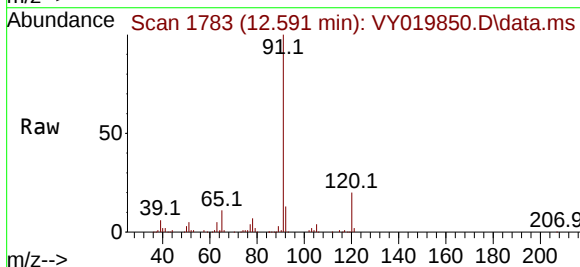
Acq: 10 Oct 2024 12:36

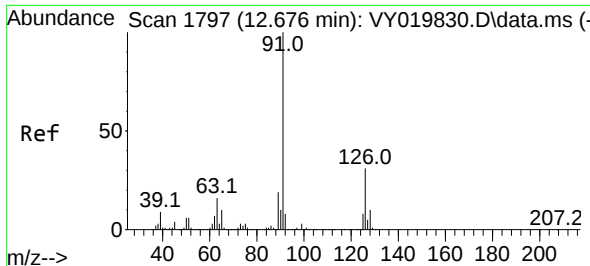
Tgt Ion: 91 Resp: 134140

Ion Ratio Lower Upper

91 100

120 21.2 10.8 32.4

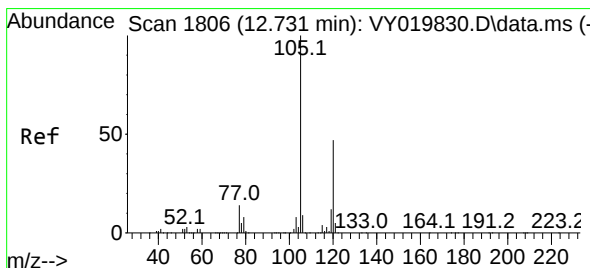
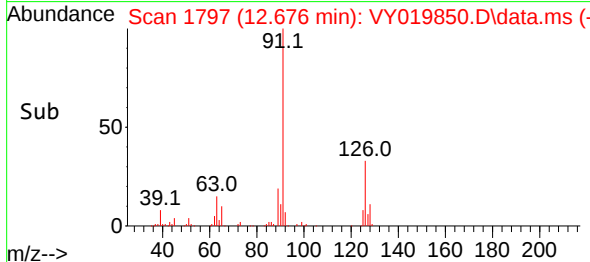
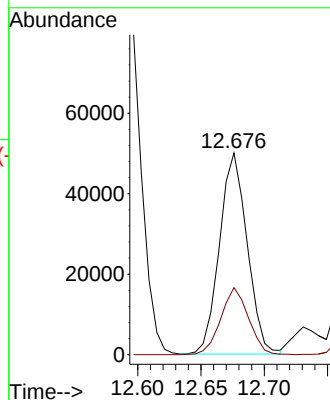
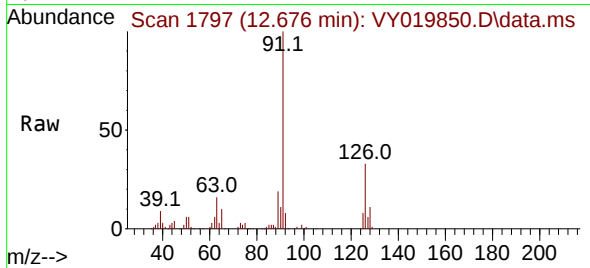




#79
2-Chlorotoluene
Concen: 5.151 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

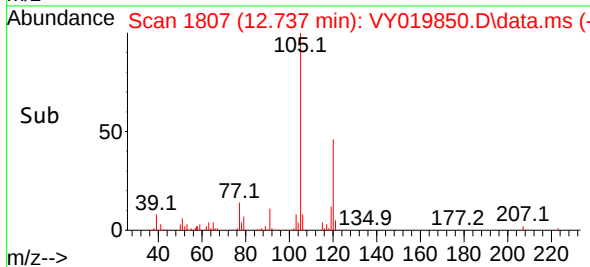
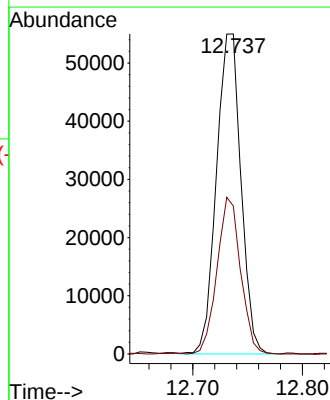
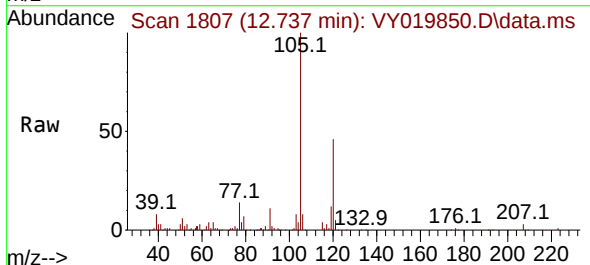
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

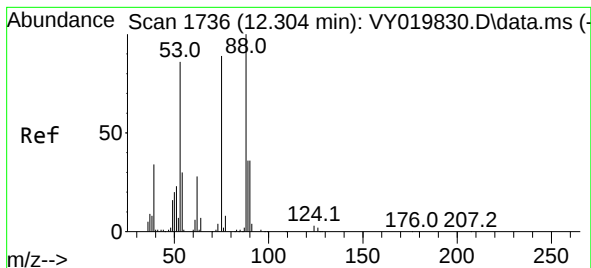
Tgt Ion: 91 Resp: 76032
Ion Ratio Lower Upper
91 100
126 33.4 16.1 48.2



#80
1,3,5-Trimethylbenzene
Concen: 4.973 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 105 Resp: 85570
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.5

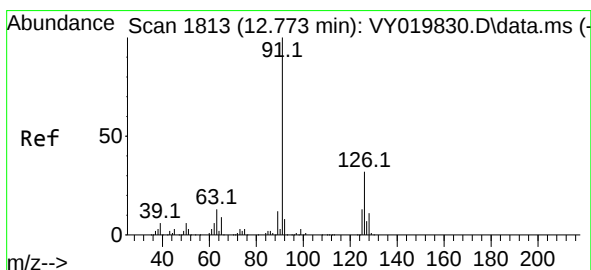
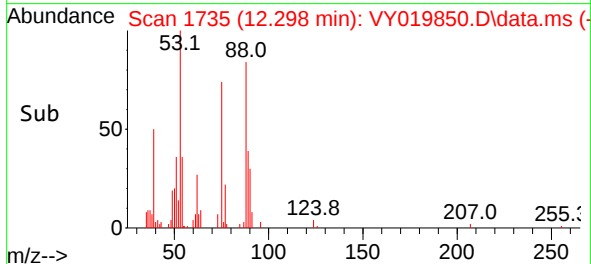
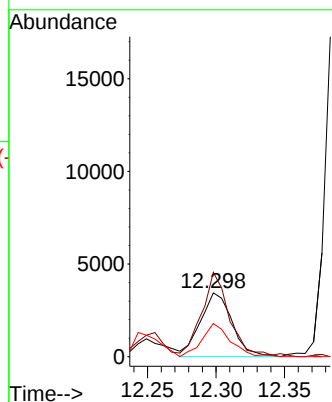
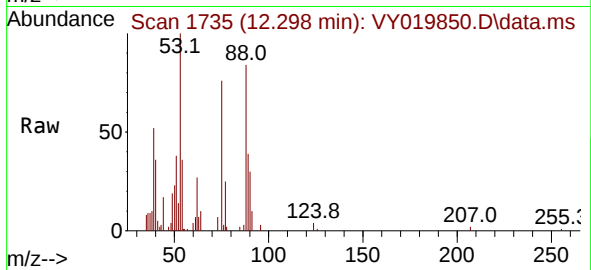




#81
trans-1,4-Dichloro-2-butene
Concen: 4.516 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

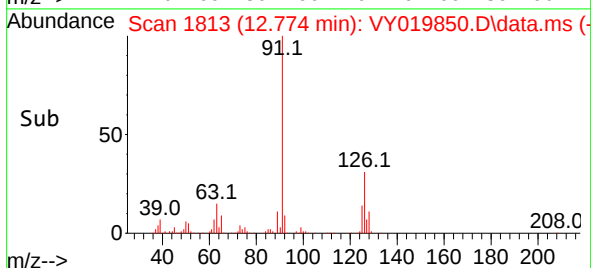
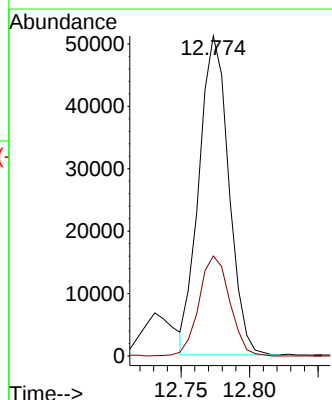
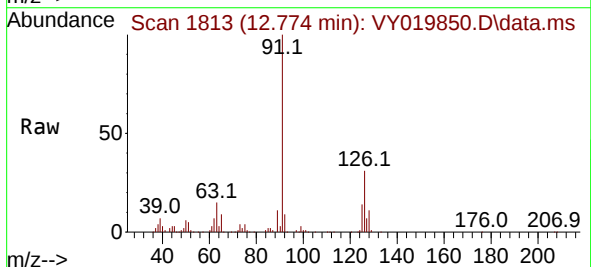
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

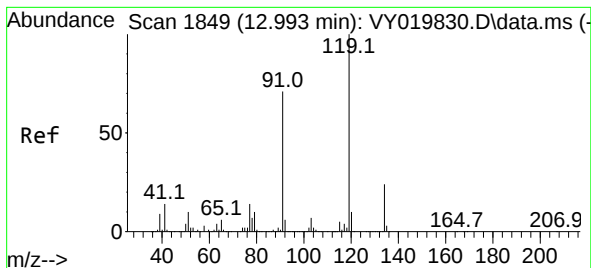
Tgt Ion: 75 Resp: 5552
Ion Ratio Lower Upper
75 100
53 115.9 84.7 127.1
89 46.3 35.4 53.2



#82
4-Chlorotoluene
Concen: 5.111 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion: 91 Resp: 77142
Ion Ratio Lower Upper
91 100
126 32.3 16.1 48.3





#83

tert-Butylbenzene

Concen: 5.194 ug/l

RT: 12.993 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

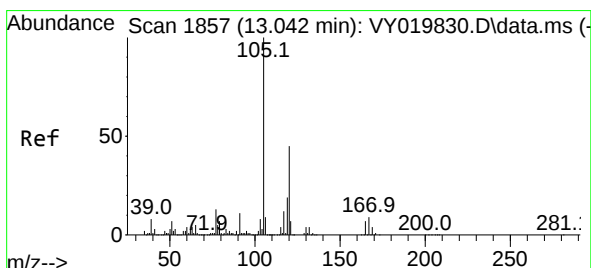
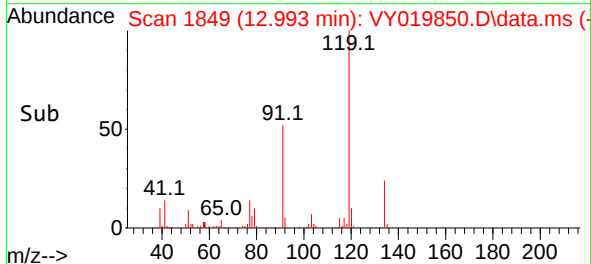
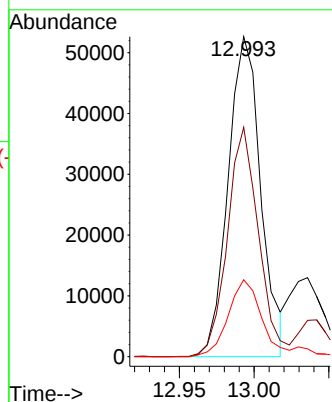
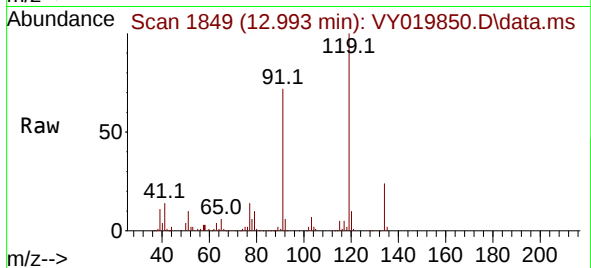
Tgt Ion:119 Resp: 80074

Ion Ratio Lower Upper

119 100

91 68.4 34.6 103.8

134 26.3 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 5.118 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY019850.D

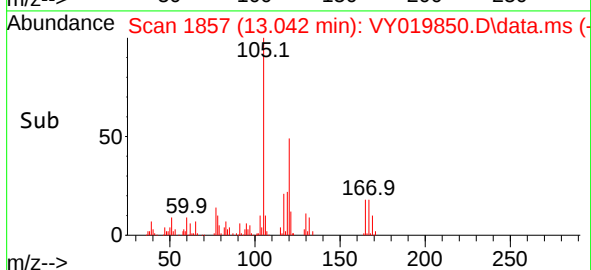
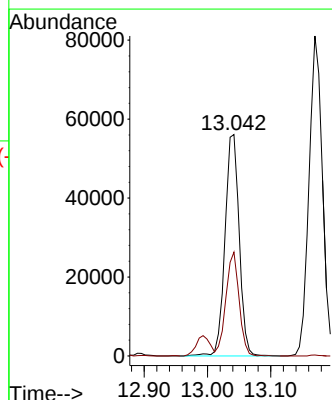
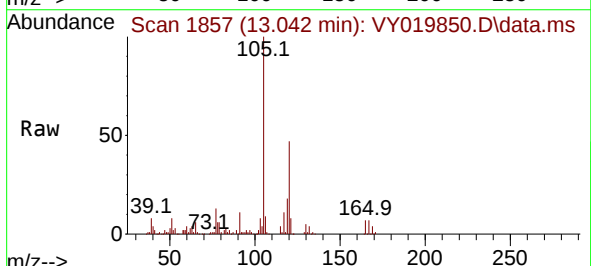
Acq: 10 Oct 2024 12:36

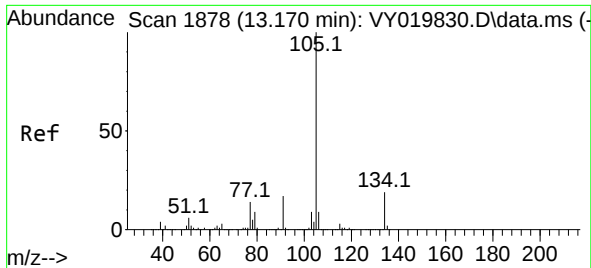
Tgt Ion:105 Resp: 87315

Ion Ratio Lower Upper

105 100

120 43.5 22.1 66.3

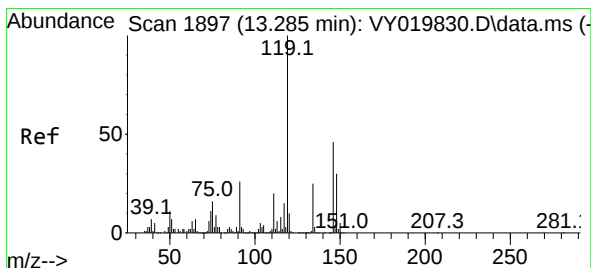
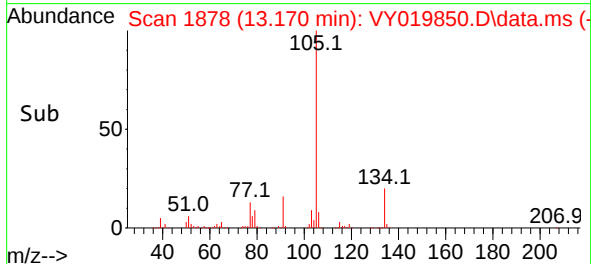
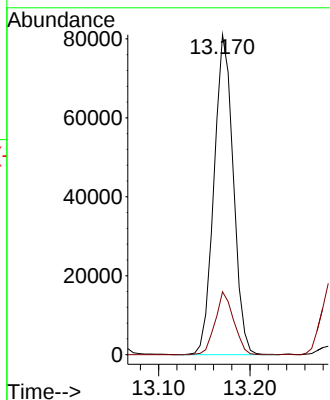
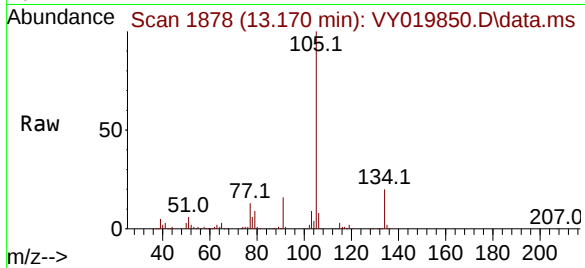




#85
sec-Butylbenzene
Concen: 5.159 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

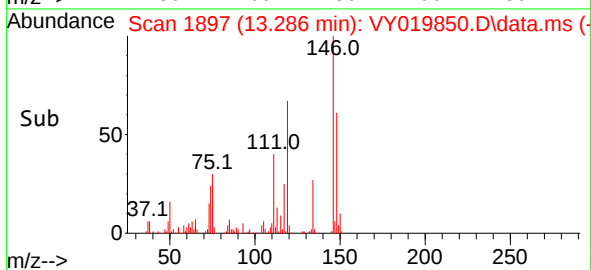
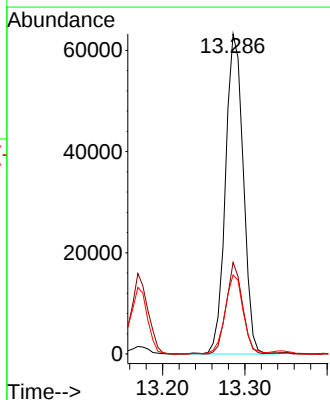
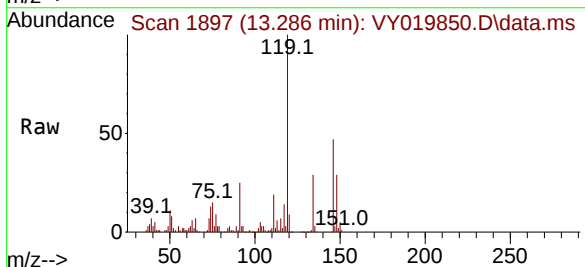
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

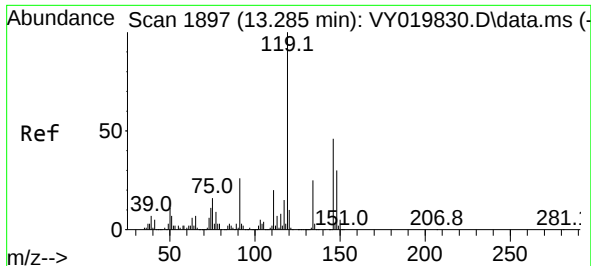
Tgt Ion:105 Resp: 118835
Ion Ratio Lower Upper
105 100
134 18.8 9.8 29.3



#86
p-Isopropyltoluene
Concen: 5.064 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion:119 Resp: 94715
Ion Ratio Lower Upper
119 100
134 26.1 12.8 38.3
91 25.4 12.7 38.0

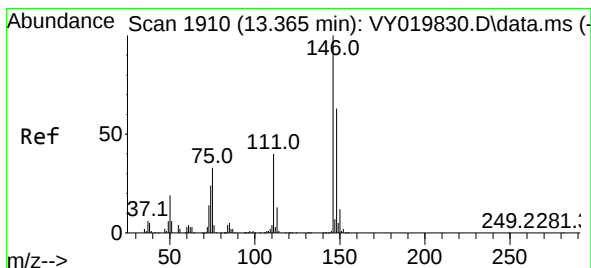
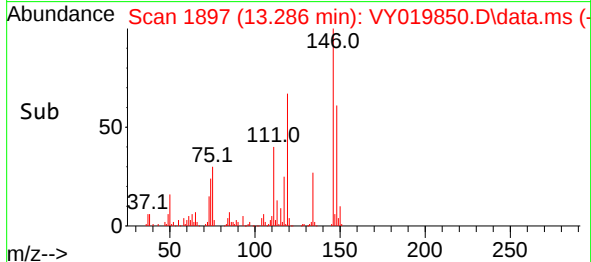
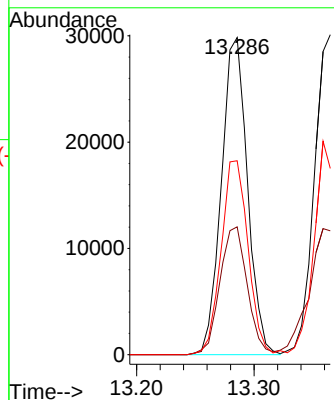
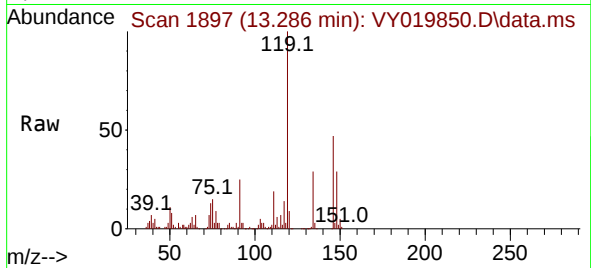




#87
1,3-Dichlorobenzene
Concen: 5.036 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

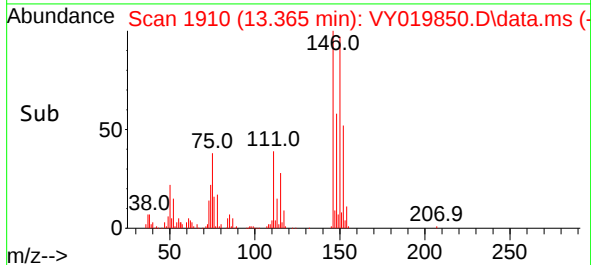
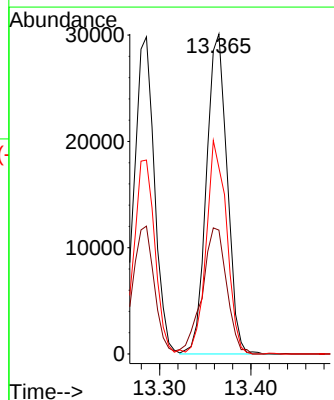
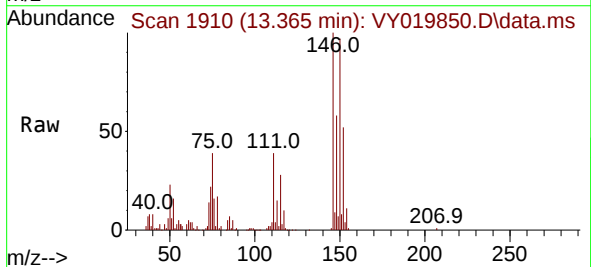
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

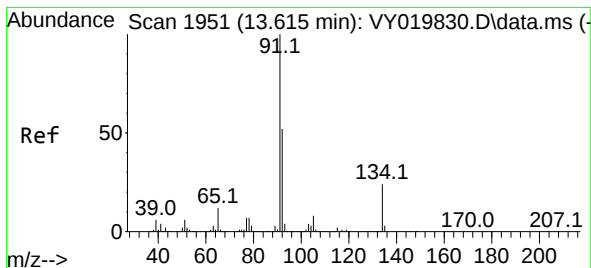
Tgt Ion:146 Resp: 45987
Ion Ratio Lower Upper
146 100
111 42.4 21.1 63.1
148 63.5 32.0 96.2



#88
1,4-Dichlorobenzene
Concen: 5.276 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY019850.D
Acq: 10 Oct 2024 12:36

Tgt Ion:146 Resp: 47327
Ion Ratio Lower Upper
146 100
111 46.8 20.3 61.0
148 65.3 32.0 96.0





#89

n-Butylbenzene

Concen: 4.975 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

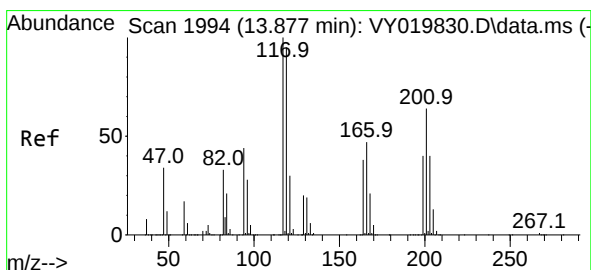
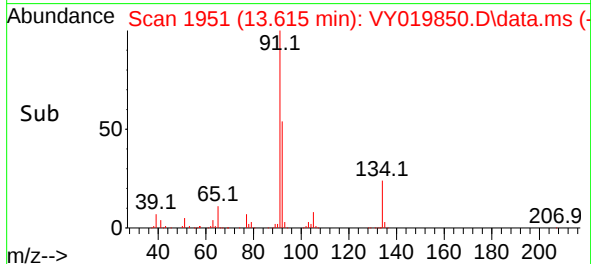
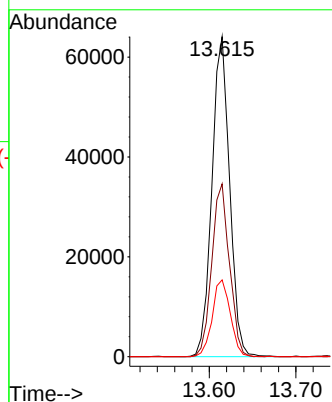
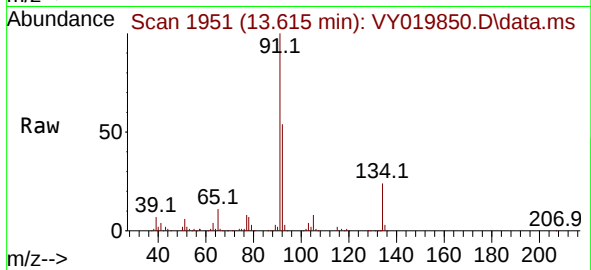
Tgt Ion: 91 Resp: 90853

Ion Ratio Lower Upper

91 100

92 53.9 26.5 79.4

134 24.5 12.0 36.1



#90

Hexachloroethane

Concen: 4.937 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY019850.D

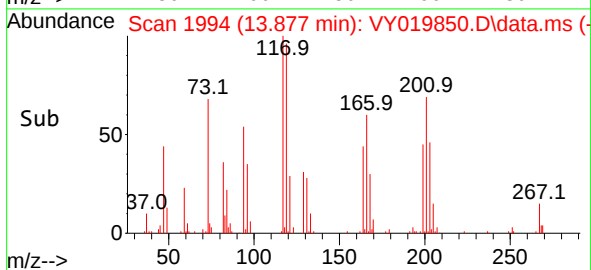
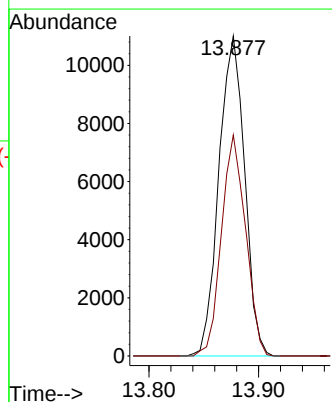
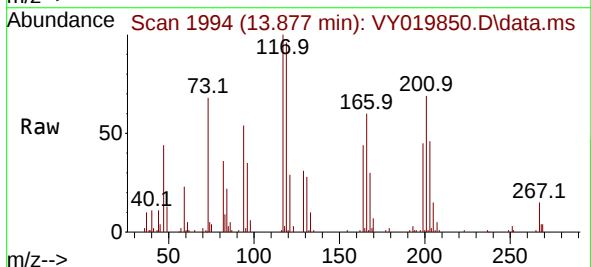
Acq: 10 Oct 2024 12:36

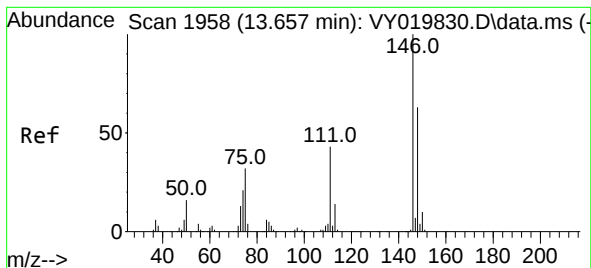
Tgt Ion: 117 Resp: 17980

Ion Ratio Lower Upper

117 100

201 64.9 33.1 99.5





#91

1,2-Dichlorobenzene

Concen: 5.161 ug/l

RT: 13.658 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

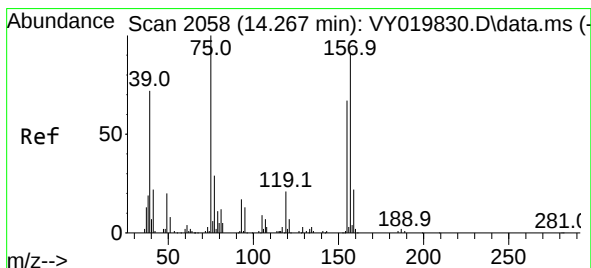
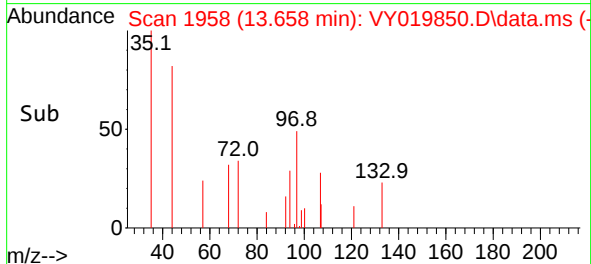
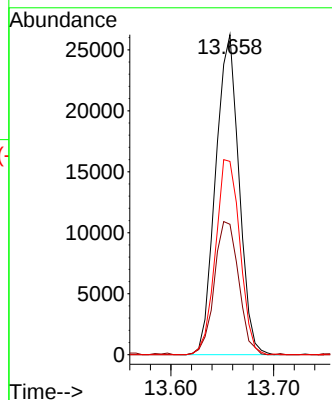
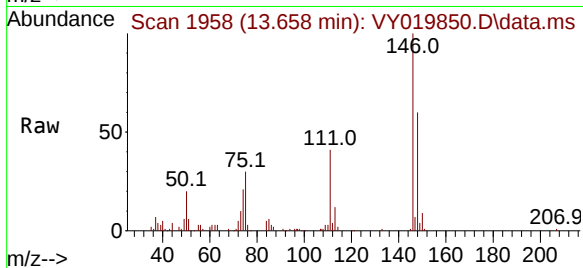
Tgt Ion:146 Resp: 41409

Ion Ratio Lower Upper

146 100

111 43.3 21.8 65.3

148 63.6 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.767 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

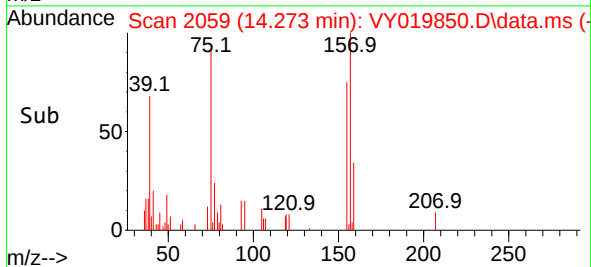
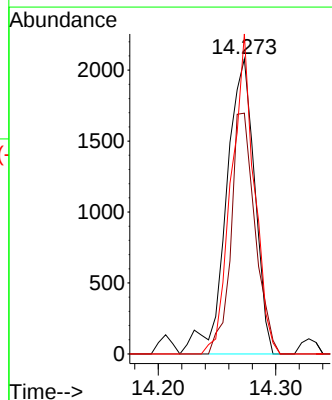
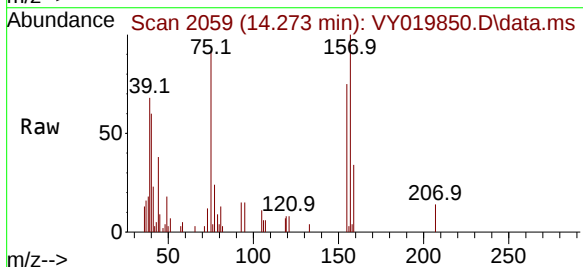
Tgt Ion: 75 Resp: 3485

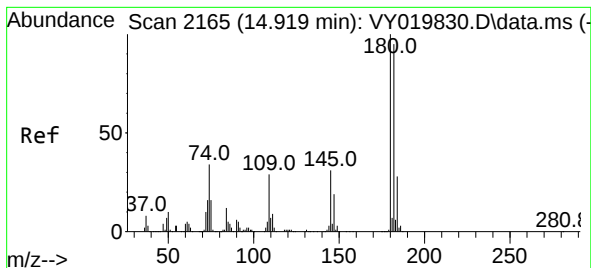
Ion Ratio Lower Upper

75 100

155 69.5 38.5 115.5

157 87.4 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 4.667 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

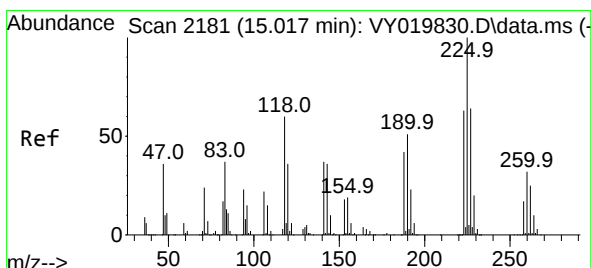
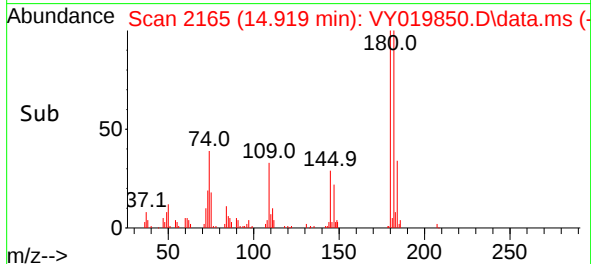
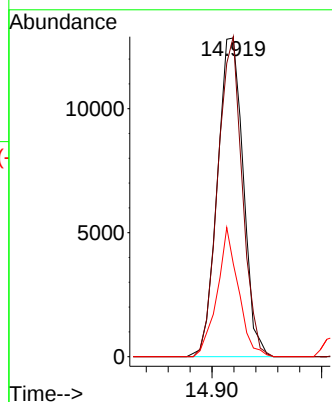
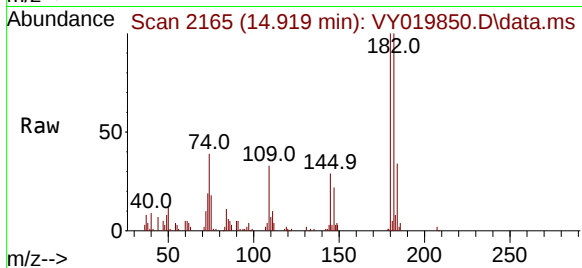
Tgt Ion:180 Resp: 20998

Ion Ratio Lower Upper

180 100

182 94.9 47.4 142.3

145 33.4 16.1 48.2



#94

Hexachlorobutadiene

Concen: 5.282 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

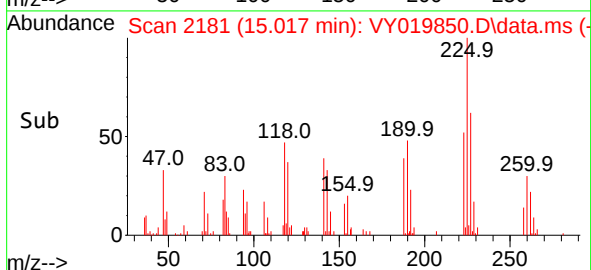
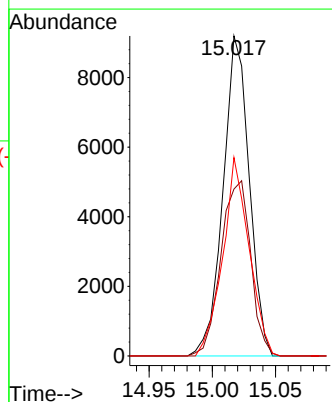
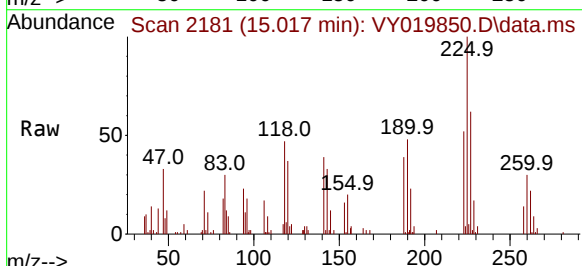
Tgt Ion:225 Resp: 13212

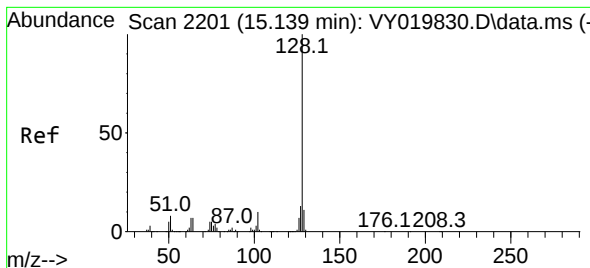
Ion Ratio Lower Upper

225 100

223 62.4 31.6 94.8

227 62.7 32.3 96.8





#95

Naphthalene

Concen: 4.220 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

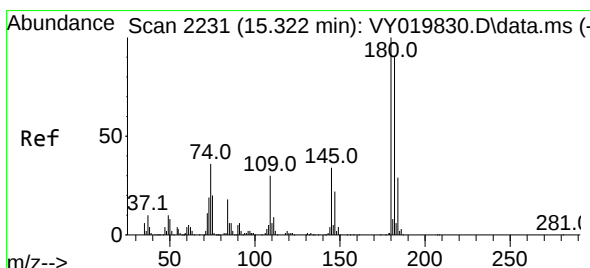
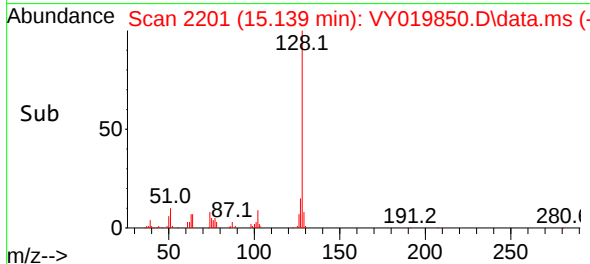
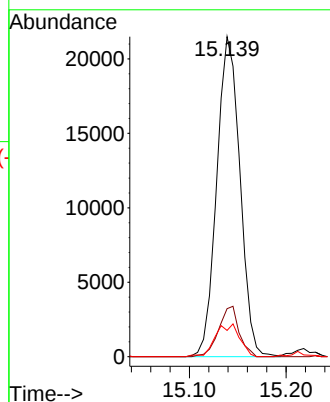
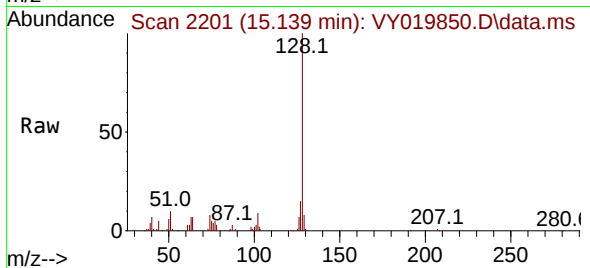
Tgt Ion:128 Resp: 35807

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

129 10.7 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 4.687 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY019850.D

Acq: 10 Oct 2024 12:36

Tgt Ion:180 Resp: 17827

Ion Ratio Lower Upper

180 100

182 94.9 46.8 140.4

145 34.4 16.9 50.6

