

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019849.D
 Acq On : 10 Oct 2024 12:13
 Operator : SY/MD
 Sample : P4368-02 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 11 08:13:15 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	7.713	168	368555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	650108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	543745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	249257	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	223179	49.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.360%
35) Dibromofluoromethane	7.634	113	211985	49.414	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.820%
50) Toluene-d8	10.103	98	783165	49.435	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.402	95	269611	47.099	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	94.200%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	15781	4.600	ug/l	90
3) Chloromethane	2.068	50	23041	5.160	ug/l	100
4) Vinyl Chloride	2.202	62	24275	4.940	ug/l	97
5) Bromomethane	2.599	94	17467	5.616	ug/l	98
6) Chloroethane	2.733	64	16365	4.957	ug/l	98
7) Trichlorofluoromethane	3.056	101	34255	4.685	ug/l	98
8) Diethyl Ether	3.464	74	10097	4.544	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	19457	4.575	ug/l	99
10) Methyl Iodide	4.013	142	18341	4.264	ug/l	98
11) Tert butyl alcohol	4.860	59	11887m	27.960	ug/l	
12) 1,1-Dichloroethene	3.787	96	18717	4.734	ug/l	91
13) Acrolein	3.659	56	11353	34.047	ug/l	98
14) Allyl chloride	4.391	41	31938	4.477	ug/l	98
15) Acrylonitrile	5.068	53	19247	18.936	ug/l	90
16) Acetone	3.867	43	20833	17.635	ug/l	99
17) Carbon Disulfide	4.110	76	55010	5.191	ug/l	99
18) Methyl Acetate	4.391	43	13985	5.496	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	45343	3.992	ug/l	98
20) Methylene Chloride	4.623	84	24694	5.180	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	19376	4.503	ug/l	91
22) Diisopropyl ether	6.025	45	65800	4.234	ug/l	96
23) Vinyl Acetate	5.964	43	202764m	22.761	ug/l	
24) 1,1-Dichloroethane	5.915	63	37264	4.314	ug/l	98
25) 2-Butanone	6.903	43	29534	18.678	ug/l	95
26) 2,2-Dichloropropane	6.890	77	33064	4.298	ug/l	96
27) cis-1,2-Dichloroethene	6.897	96	21680	4.077	ug/l	95
28) Bromochloromethane	7.250	49	16332	4.296	ug/l	98
29) Tetrahydrofuran	7.268	42	19844	21.979	ug/l	97
30) Chloroform	7.421	83	37233	4.229	ug/l	95
31) Cyclohexane	7.707	56	43183	5.695	ug/l #	80
32) 1,1,1-Trichloroethane	7.616	97	33161	4.297	ug/l	97
36) 1,1-Dichloropropene	7.835	75	27740	4.488	ug/l	98
37) Ethyl Acetate	6.994	43	11945m	3.706	ug/l	
38) Carbon Tetrachloride	7.823	117	27041	4.081	ug/l	96
39) Methylcyclohexane	9.110	83	36621	4.703	ug/l	94
40) Benzene	8.079	78	81738	4.370	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	7058	4.046	ug/l	96
42) 1,2-Dichloroethane	8.159	62	23807	4.430	ug/l	98
43) Isopropyl Acetate	8.201	43	26709	4.064	ug/l	99
44) Trichloroethene	8.866	130	19837	4.379	ug/l	98
45) 1,2-Dichloropropane	9.140	63	20212	4.317	ug/l #	88
46) Dibromomethane	9.231	93	10706	4.185	ug/l	98
47) Bromodichloromethane	9.420	83	27167	4.001	ug/l	97
48) Methyl methacrylate	9.219	41	11179	3.867	ug/l	95
49) 1,4-Dioxane	9.231	88	2227	77.789	ug/l #	65
51) 4-Methyl-2-Pentanone	10.000	43	63296	18.881	ug/l	98
52) Toluene	10.170	92	49589	4.247	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	22804	3.733	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	29142	4.043	ug/l	90
55) 1,1,2-Trichloroethane	10.567	97	12980	3.852	ug/l	90
56) Ethyl methacrylate	10.439	69	18492	3.824	ug/l	98
57) 1,3-Dichloropropane	10.719	76	24131	4.077	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	44150	19.612	ug/l	99
59) 2-Hexanone	10.762	43	43421	18.135	ug/l	100
60) Dibromochloromethane	10.908	129	16396	3.791	ug/l	96
61) 1,2-Dibromoethane	11.012	107	12678	4.163	ug/l	98
64) Tetrachloroethene	10.646	164	17171	4.440	ug/l	95
65) Chlorobenzene	11.438	112	52556	4.226	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.512	131	16952	4.029	ug/l	97
67) Ethyl Benzene	11.518	91	93995	4.161	ug/l	100
68) m/p-Xylenes	11.627	106	68626	8.225	ug/l	99
69) o-Xylene	11.951	106	33485	4.177	ug/l	96
70) Styrene	11.969	104	53247	3.937	ug/l	99
71) Bromoform	12.133	173	8404	3.731	ug/l #	92
73) Isopropylbenzene	12.249	105	86444	4.123	ug/l	100
74) N-amyl acetate	12.066	43	20638	3.717	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.499	83	15853	4.255	ug/l	98
76) 1,2,3-Trichloropropane	12.548	75	10303m	3.970	ug/l	
77) Bromobenzene	12.530	156	18042	4.055	ug/l	94
78) n-propylbenzene	12.591	91	106907	4.220	ug/l	100
79) 2-Chlorotoluene	12.676	91	60613	4.173	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	70114	4.141	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	4340m	3.588	ug/l	
82) 4-Chlorotoluene	12.774	91	63654	4.286	ug/l	99
83) tert-Butylbenzene	12.993	119	61556	4.058	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	67521	4.022	ug/l	100
85) sec-Butylbenzene	13.170	105	92058	4.062	ug/l	99
86) p-Isopropyltoluene	13.286	119	74314	4.038	ug/l	100
87) 1,3-Dichlorobenzene	13.280	146	36249	4.035	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	37837	4.287	ug/l	94
89) n-Butylbenzene	13.615	91	70431	3.920	ug/l	98
90) Hexachloroethane	13.877	117	13688	3.820	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	31372	3.974	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	2345	3.944	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	15825	3.575	ug/l	99
94) Hexachlorobutadiene	15.023	225	9409	3.823	ug/l	94
95) Naphthalene	15.139	128	28391	3.401	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	14035	3.751	ug/l	97

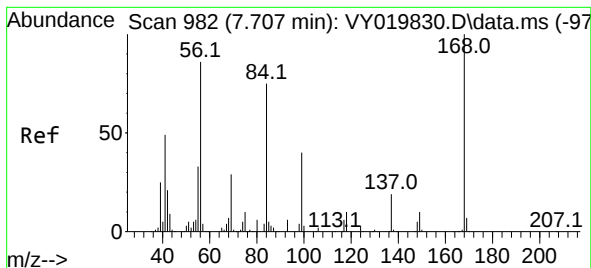
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

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Instrument :

MSVOA_Y

ClientSampleId :

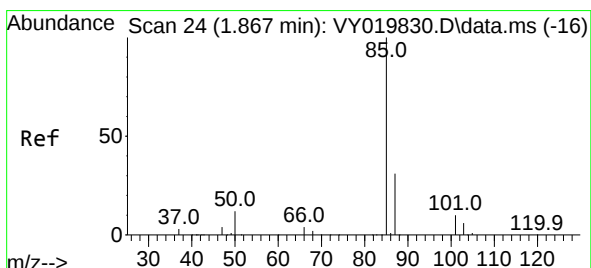
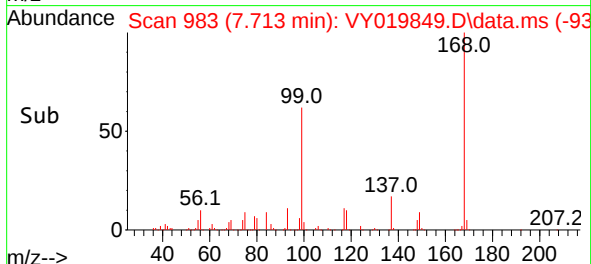
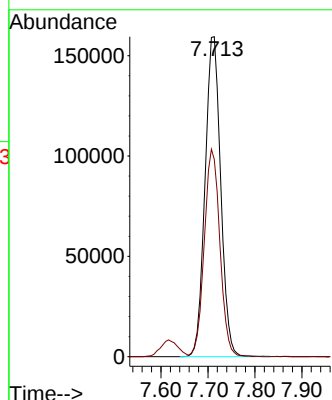
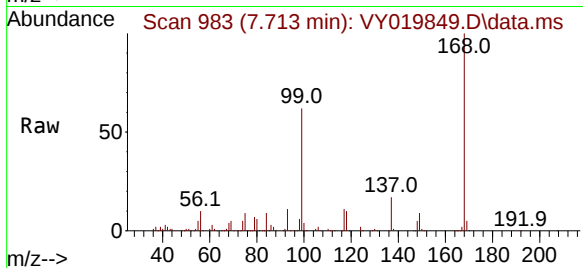
LOQ-SOIL-02-QT4-2024

Tgt Ion:168 Resp: 368555

Ion Ratio Lower Upper

168 100

99 61.6 52.6 78.8



#2

Dichlorodifluoromethane

Concen: 4.600 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.000 min

Lab File: VY019849.D

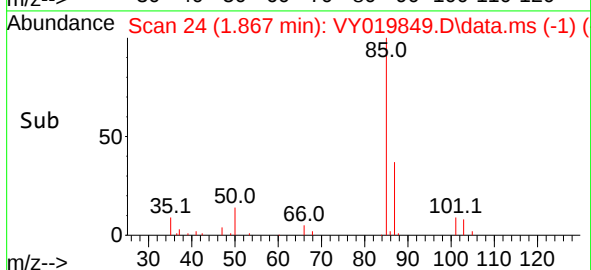
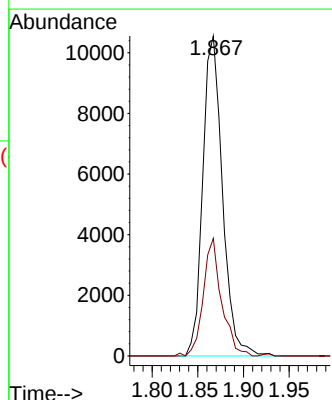
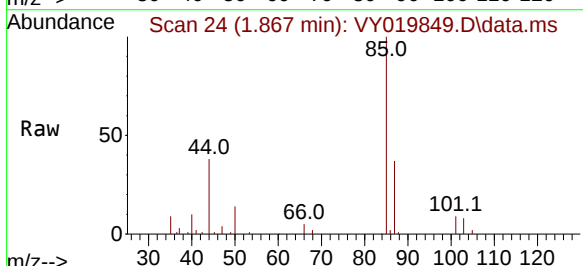
Acq: 10 Oct 2024 12:13

Tgt Ion: 85 Resp: 15781

Ion Ratio Lower Upper

85 100

87 36.8 15.7 47.1

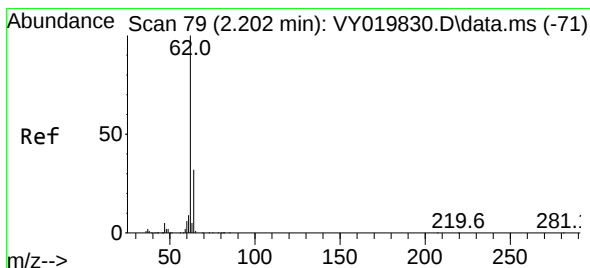
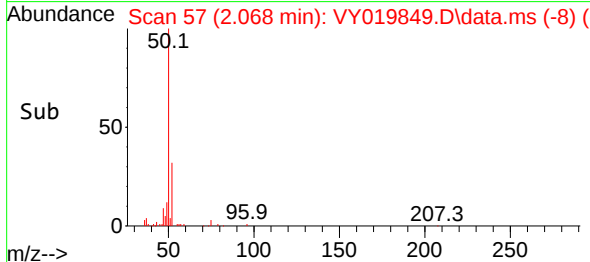
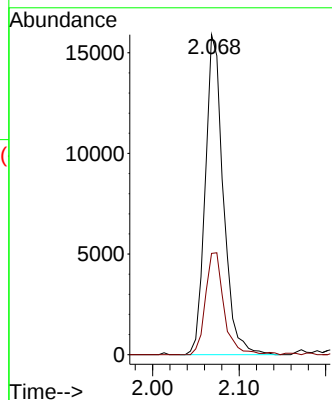
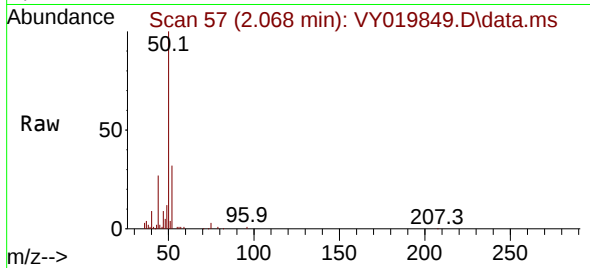




#3
Chloromethane
Concen: 5.160 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

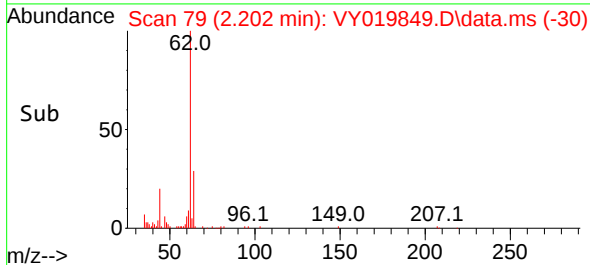
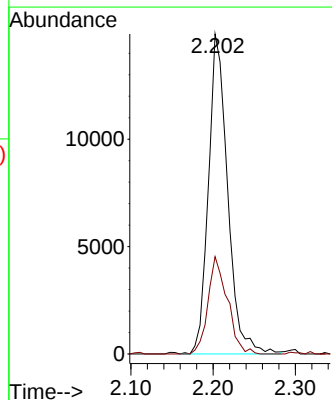
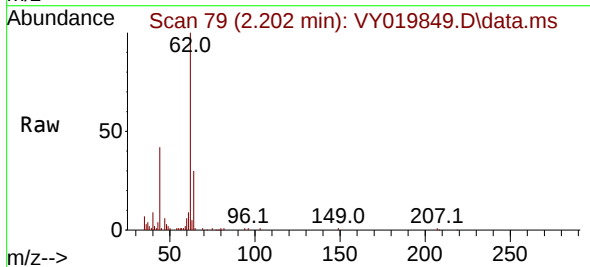
Instrument :
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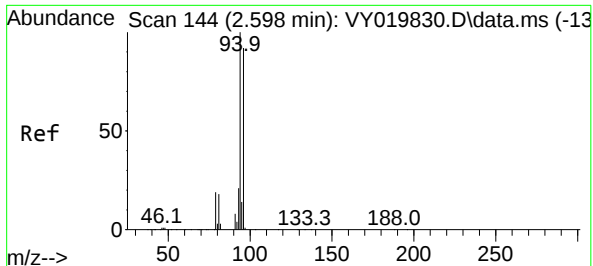
Tgt Ion: 50 Resp: 23041
Ion Ratio Lower Upper
50 100
52 31.7 25.1 37.7



#4
Vinyl Chloride
Concen: 4.940 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 62 Resp: 24275
Ion Ratio Lower Upper
62 100
64 30.4 25.6 38.4

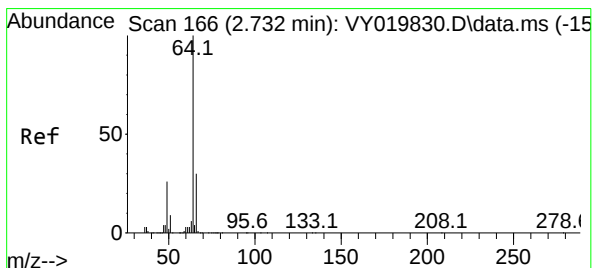
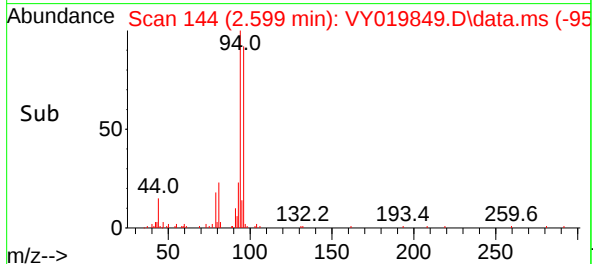
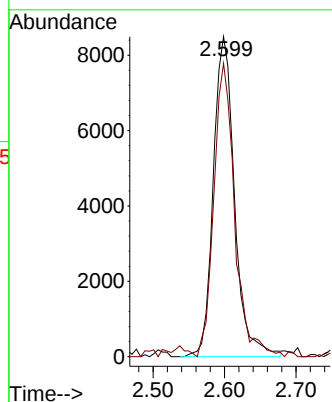
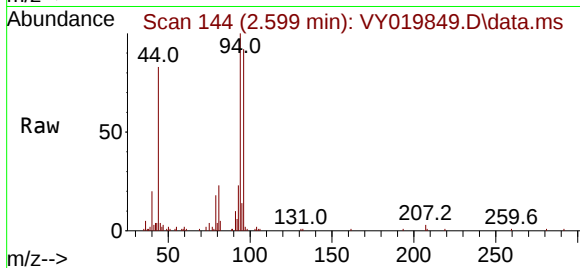




#5
Bromomethane
Concen: 5.616 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

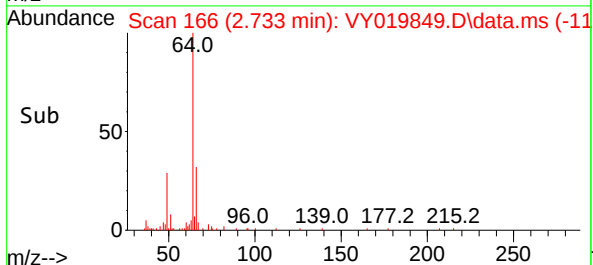
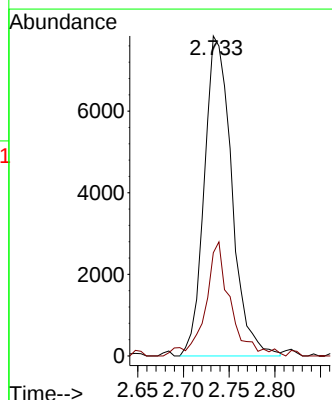
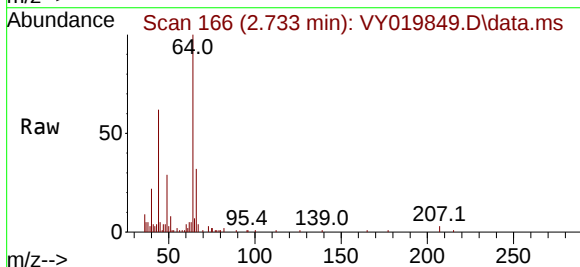
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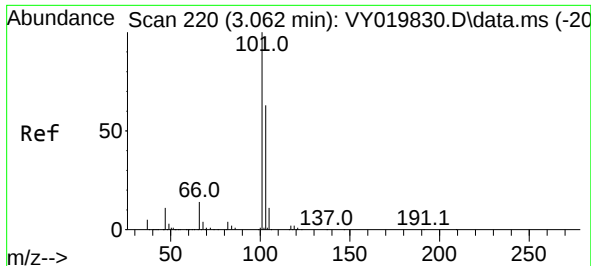
Tgt Ion: 94 Resp: 17467
Ion Ratio Lower Upper
94 100
96 90.2 73.6 110.4



#6
Chloroethane
Concen: 4.957 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 64 Resp: 16365
Ion Ratio Lower Upper
64 100
66 31.4 24.2 36.2

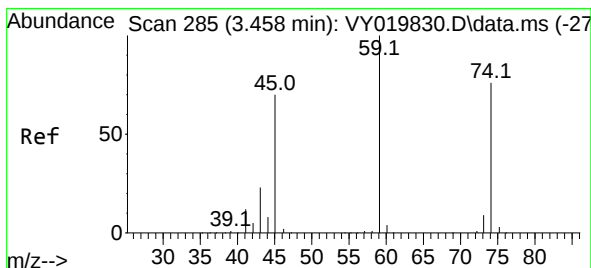
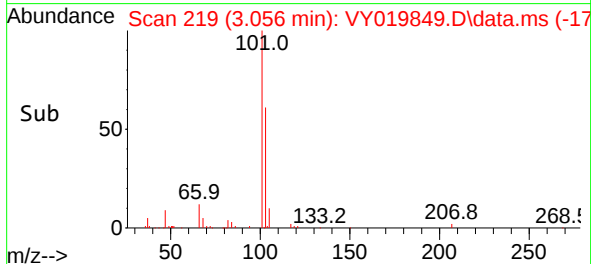
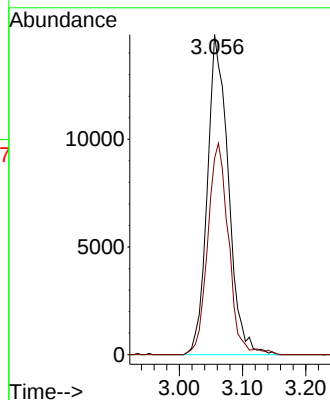
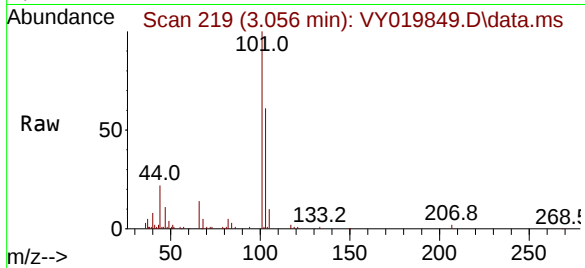




#7
Trichlorofluoromethane
Concen: 4.685 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY019849.D
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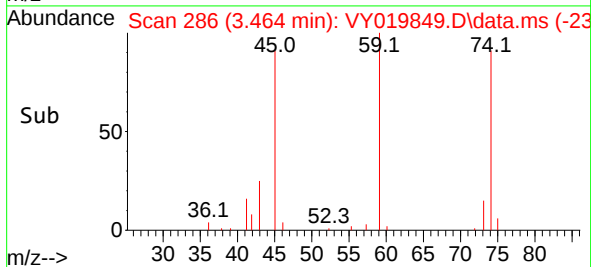
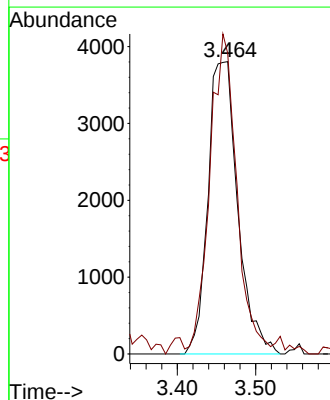
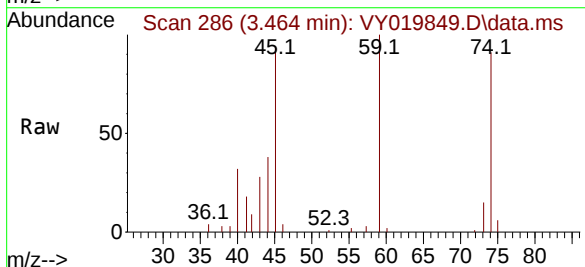
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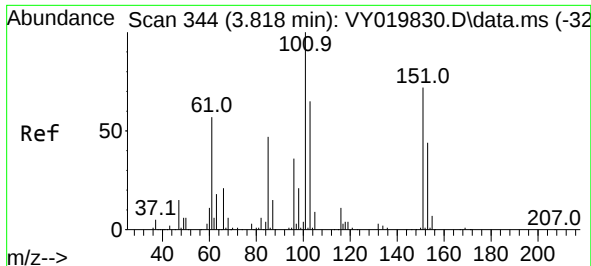
Tgt Ion:101 Resp: 34255
Ion Ratio Lower Upper
101 100
103 61.4 50.1 75.1



#8
Diethyl Ether
Concen: 4.544 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 74 Resp: 10097
Ion Ratio Lower Upper
74 100
45 98.7 49.9 149.6

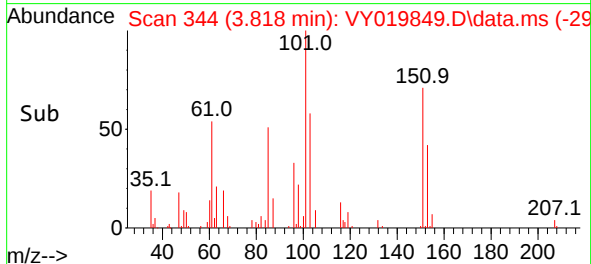
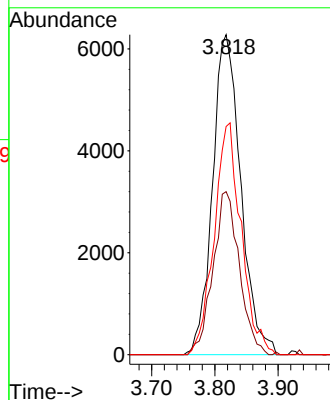
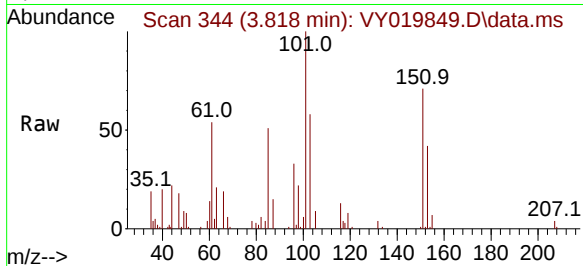




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.575 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
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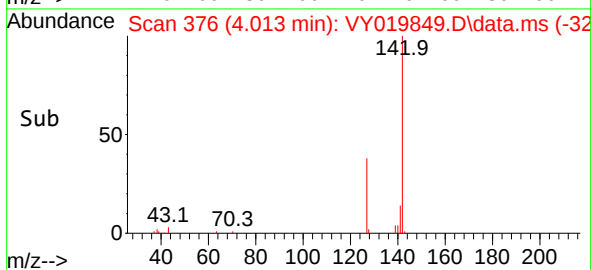
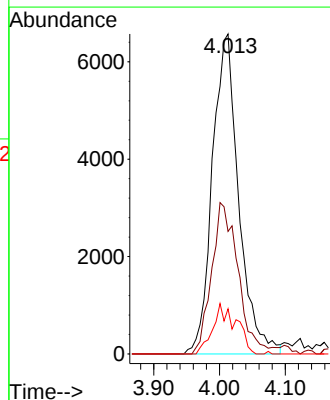
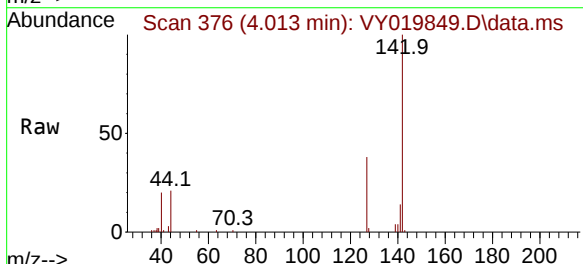
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LOQ-SOIL-02-QT4-2024

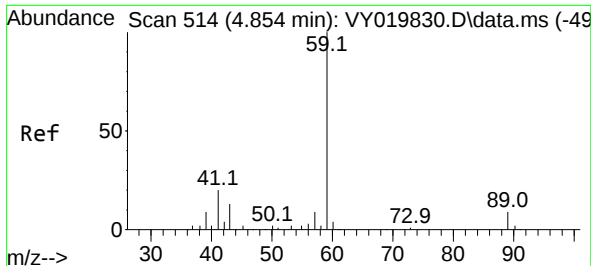
Tgt Ion:	101	Resp:	19457
Ion	Ratio	Lower	Upper
101	100		
85	47.7	37.9	56.9
151	69.5	57.0	85.6



#10
Methyl Iodide
Concen: 4.264 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion:	142	Resp:	18341
Ion	Ratio	Lower	Upper
142	100		
127	47.7	39.4	59.2
141	14.0	11.7	17.5

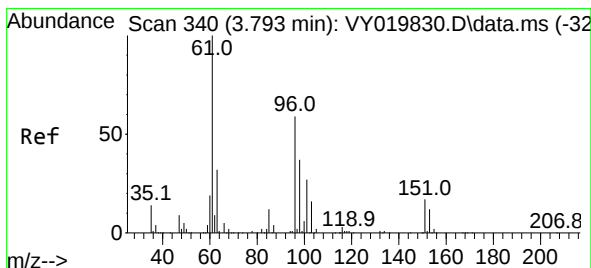
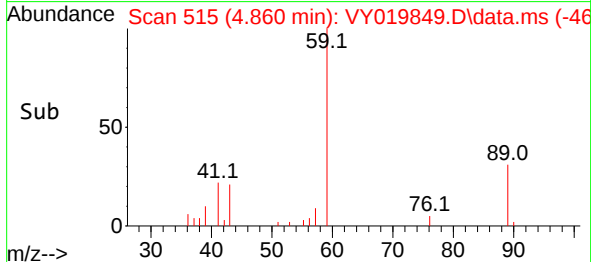
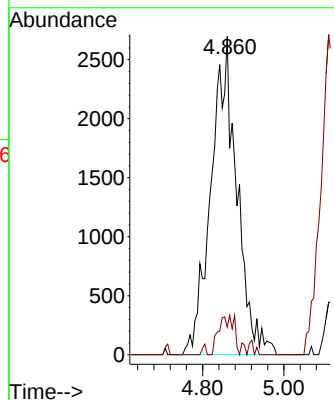
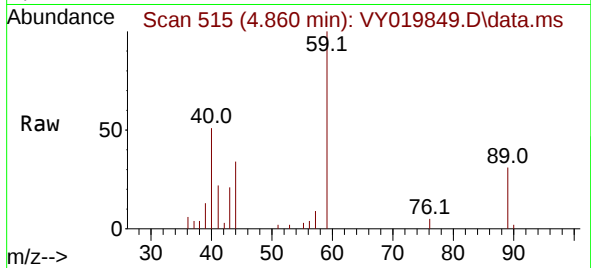




#11
Tert butyl alcohol
Concen: 27.960 ug/l m
RT: 4.860 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

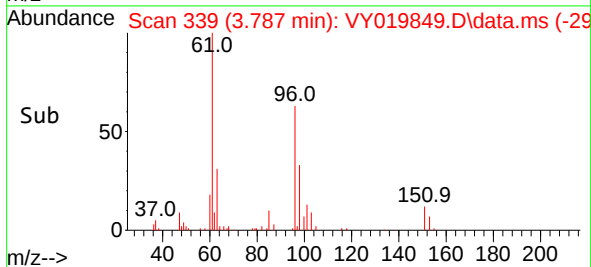
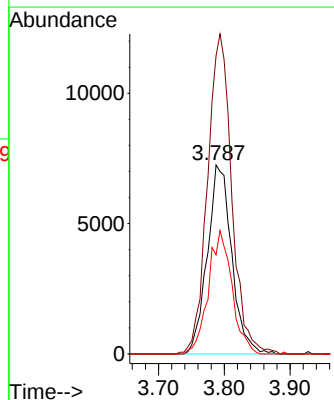
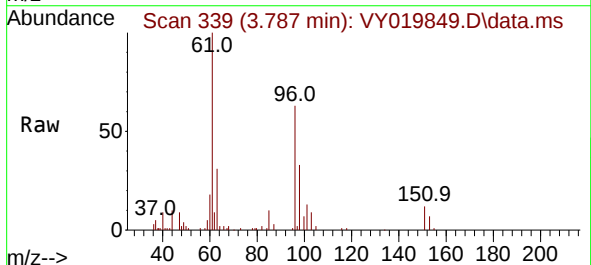
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 59 Resp: 11887
Ion Ratio Lower Upper
59 100
57 4.4 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 4.734 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 96 Resp: 18717
Ion Ratio Lower Upper
96 100
61 157.8 134.9 202.3
98 52.5 50.2 75.4





#13

Acrolein

Concen: 34.047 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

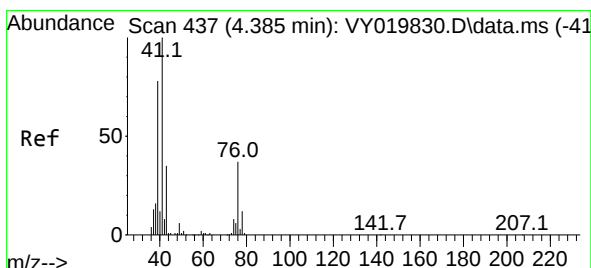
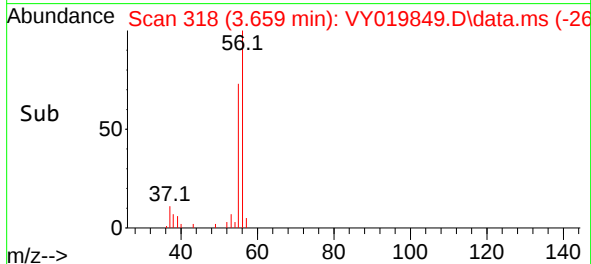
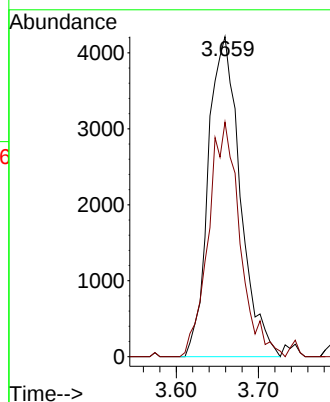
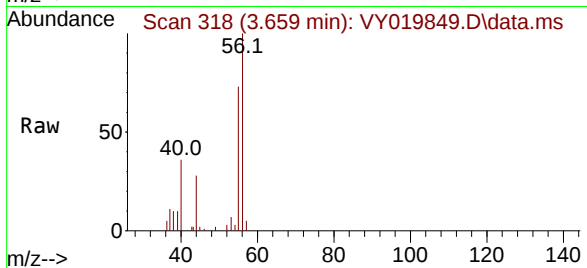
LOQ-SOIL-02-QT4-2024

Tgt Ion: 56 Resp: 11353

Ion Ratio Lower Upper

56 100

55 72.4 56.9 85.3



#14

Allyl chloride

Concen: 4.477 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

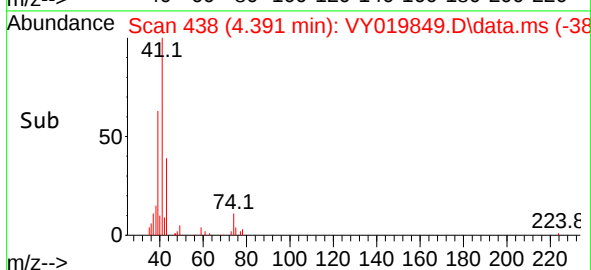
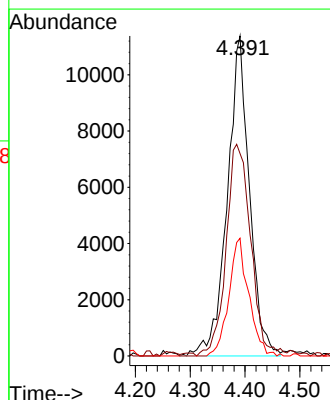
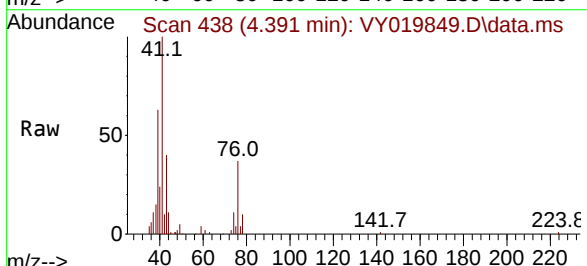
Tgt Ion: 41 Resp: 31938

Ion Ratio Lower Upper

41 100

39 73.6 59.1 88.7

76 33.2 28.6 42.8

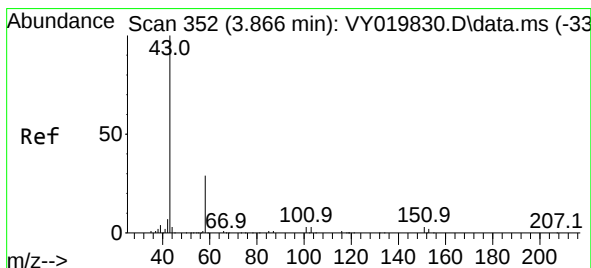
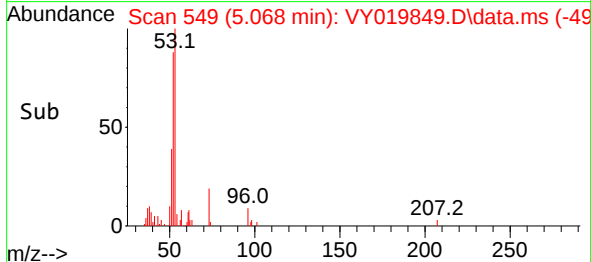
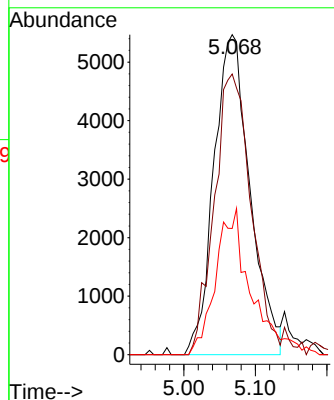
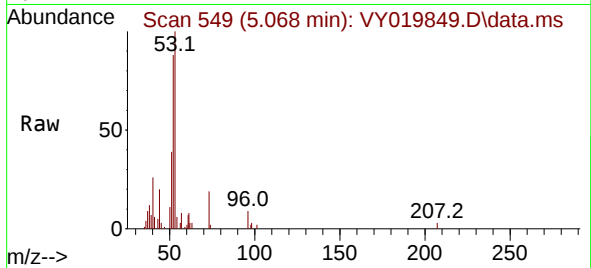




#15
Acrylonitrile
Concen: 18.936 ug/l
RT: 5.068 min Scan# 547
Delta R.T. 0.012 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

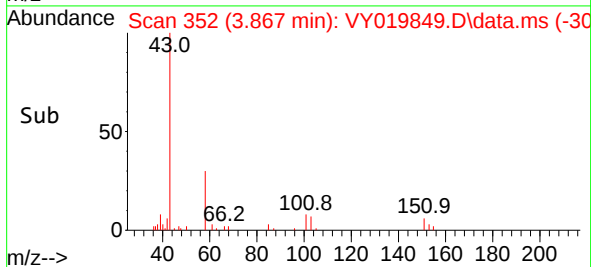
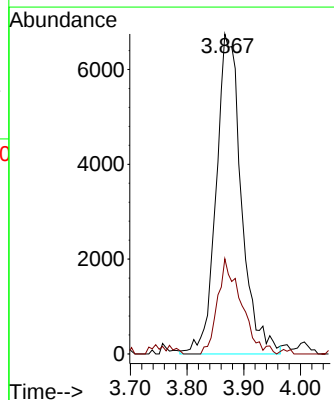
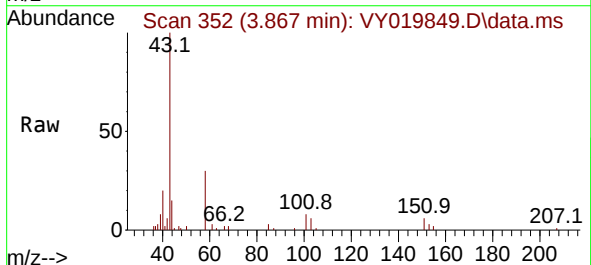
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

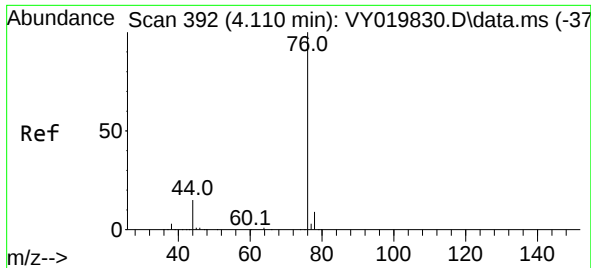
Tgt Ion: 53	Resp: 19247
Ion Ratio	Lower Upper
53	100
52	88.9 65.0 97.6
51	44.7 29.9 44.9



#16
Acetone
Concen: 17.635 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 43	Resp: 20833
Ion Ratio	Lower Upper
43	100
58	29.3 23.8 35.6





#17

Carbon Disulfide

Concen: 5.191 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

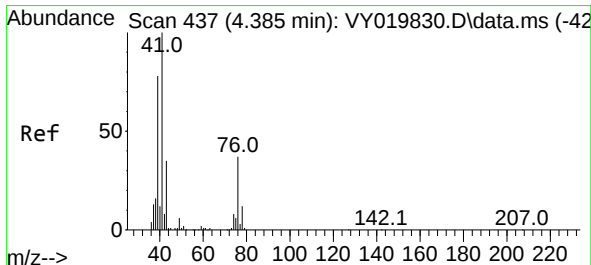
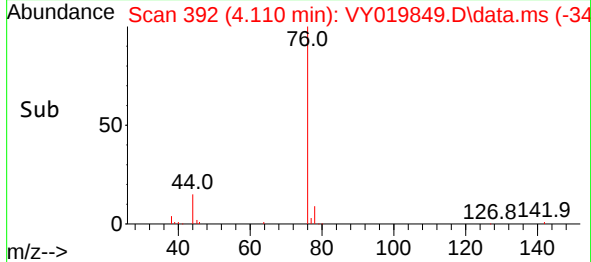
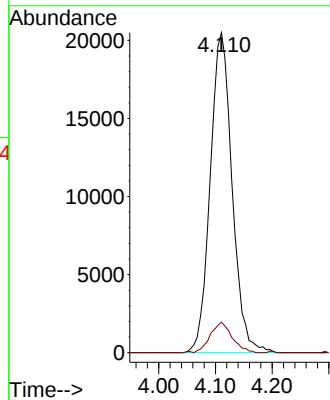
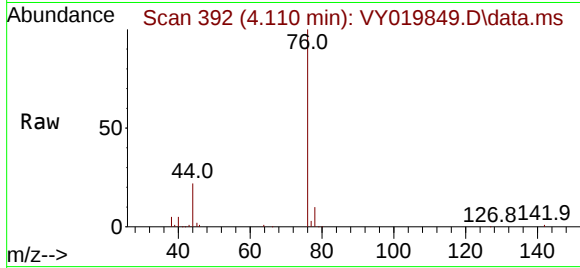
LOQ-SOIL-02-QT4-2024

Tgt Ion: 76 Resp: 55010

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



#18

Methyl Acetate

Concen: 5.496 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY019849.D

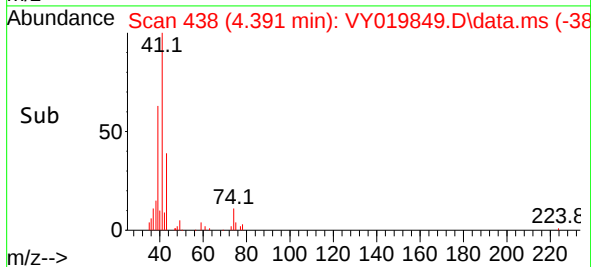
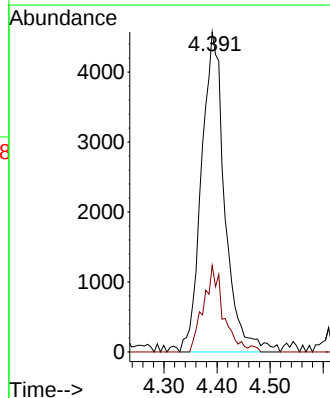
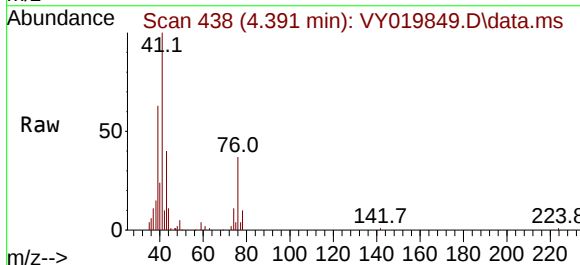
Acq: 10 Oct 2024 12:13

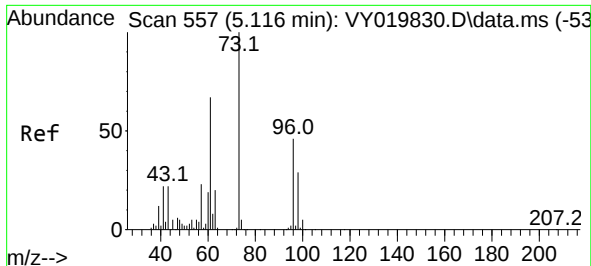
Tgt Ion: 43 Resp: 13985

Ion Ratio Lower Upper

43 100

74 22.8 18.6 28.0

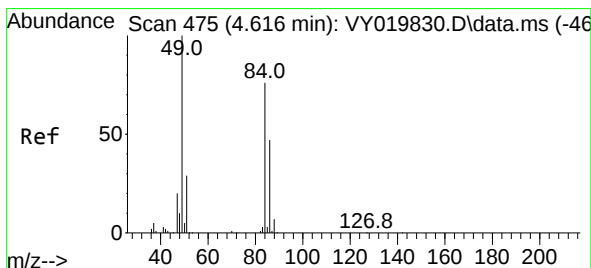
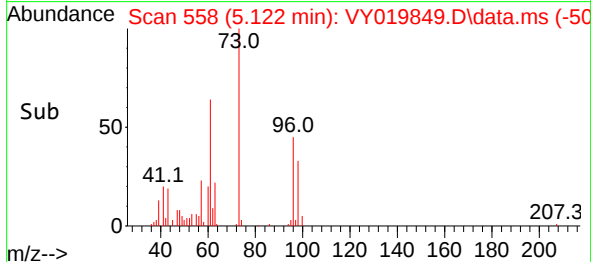
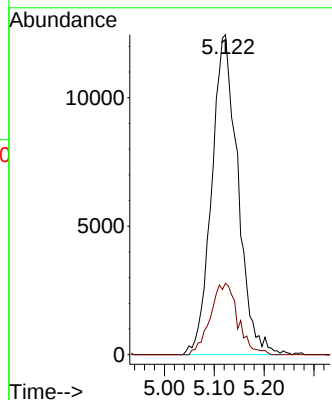
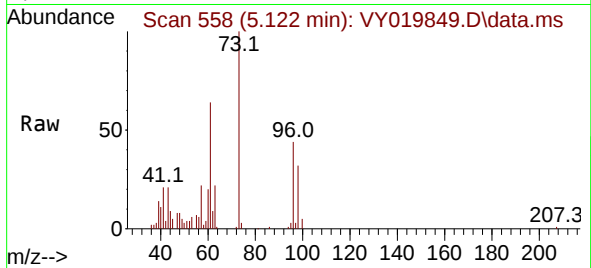




#19
Methyl tert-butyl Ether
Concen: 3.992 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

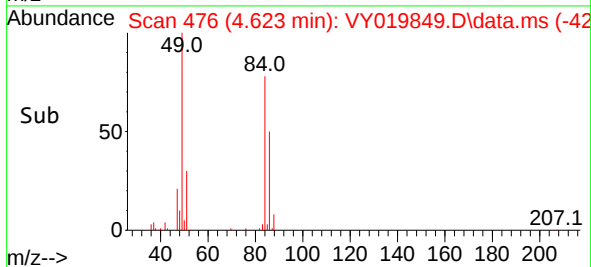
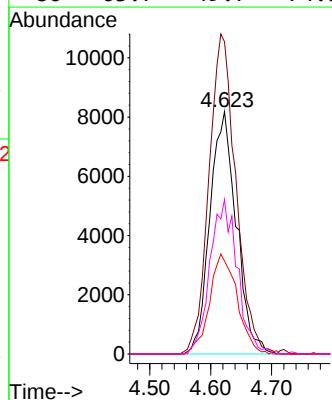
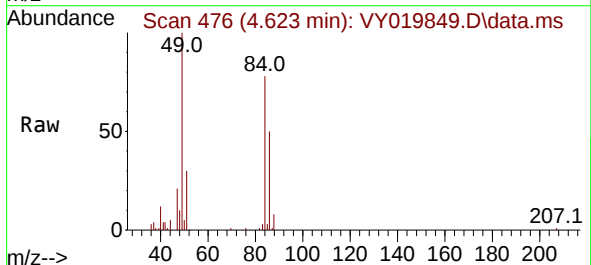
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

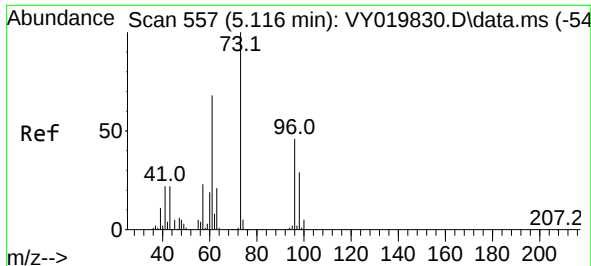
Tgt Ion: 73 Resp: 45343
Ion Ratio Lower Upper
73 100
57 22.3 18.6 28.0



#20
Methylene Chloride
Concen: 5.180 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 84 Resp: 24694
Ion Ratio Lower Upper
84 100
49 128.7 104.8 157.2
51 38.3 30.4 45.6
86 63.7 49.7 74.5

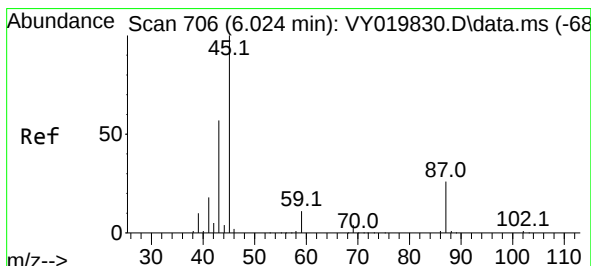
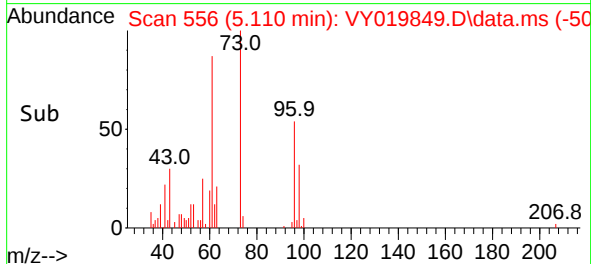
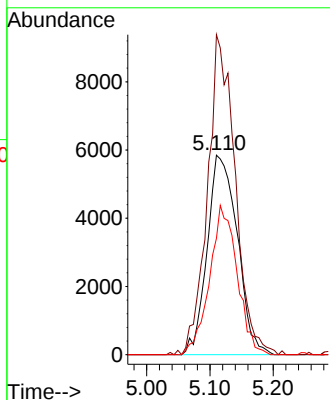
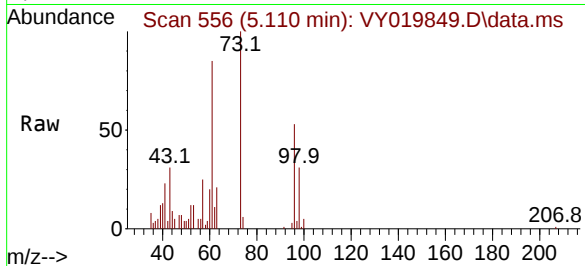




#21
trans-1,2-Dichloroethene
Concen: 4.503 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

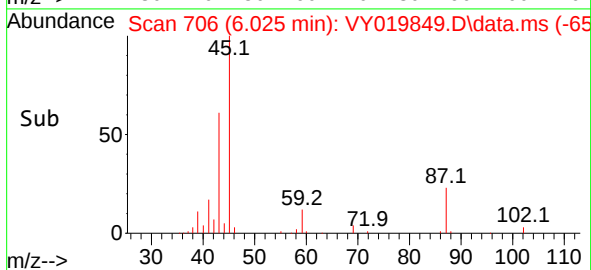
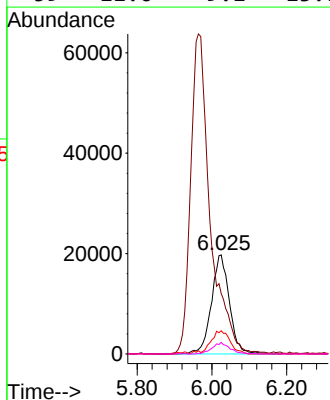
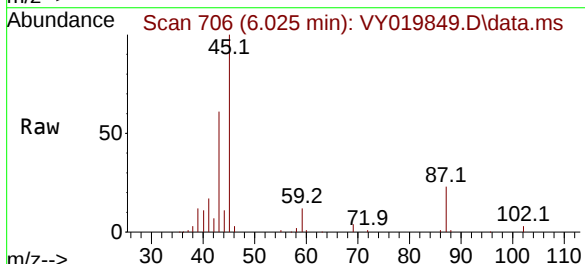
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 96 Resp: 19376
Ion Ratio Lower Upper
96 100
61 160.3 117.9 176.9
98 58.3 51.0 76.4



#22
Diisopropyl ether
Concen: 4.234 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 45 Resp: 65800
Ion Ratio Lower Upper
45 100
43 59.1 45.4 68.0
87 23.4 21.1 31.7
59 11.6 9.1 13.7

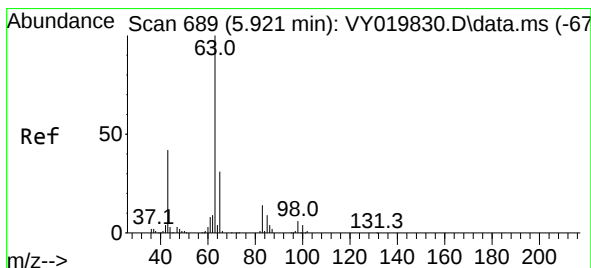
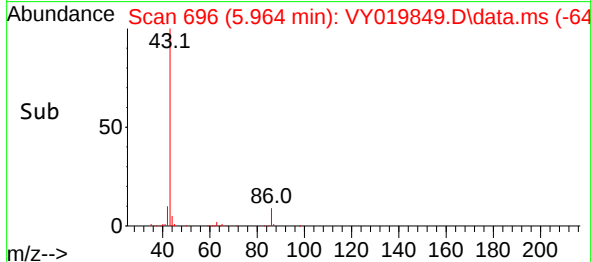
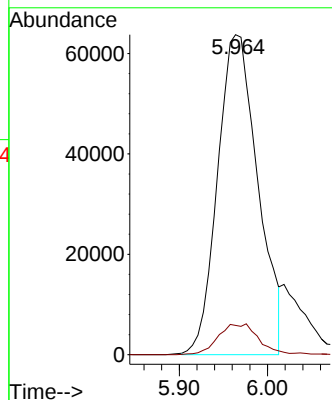
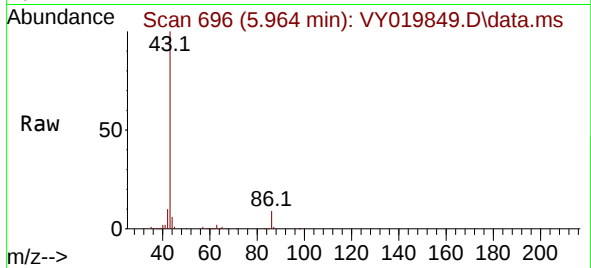




#23
 Vinyl Acetate
 Concen: 22.761 ug/l m
 RT: 5.964 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VY019849.D
 Acq: 10 Oct 2024 12:13

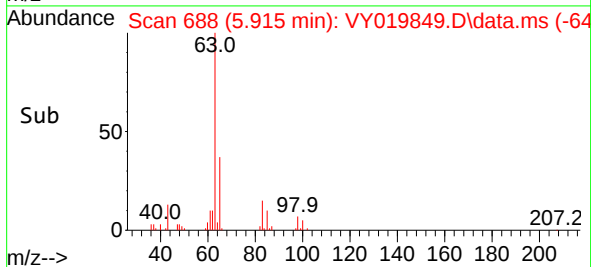
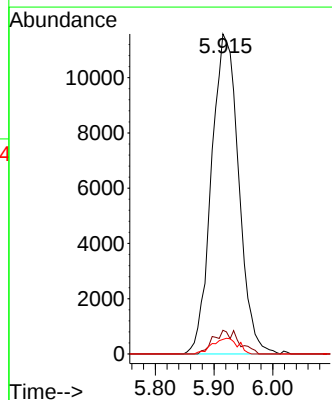
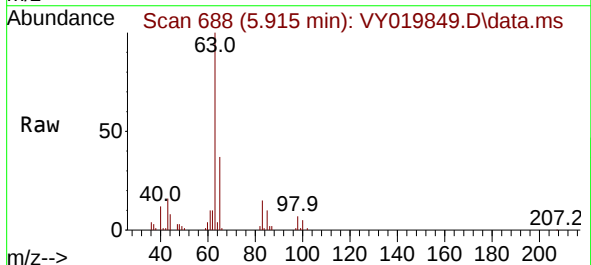
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

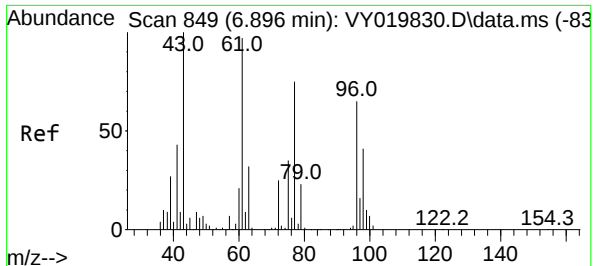
Tgt Ion: 43 Resp: 202764
 Ion Ratio Lower Upper
 43 100
 86 9.2 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 4.314 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY019849.D
 Acq: 10 Oct 2024 12:13

Tgt Ion: 63 Resp: 37264
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.2 9.6
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 18.678 ug/l

RT: 6.903 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

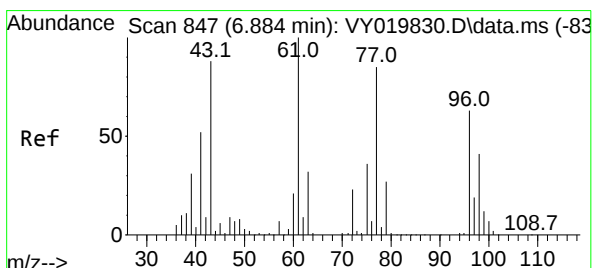
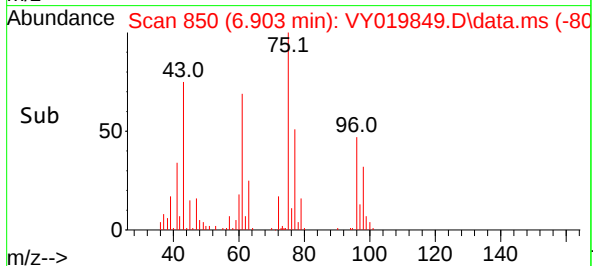
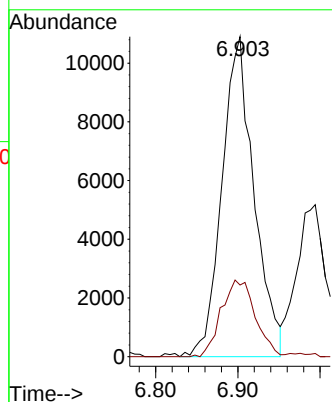
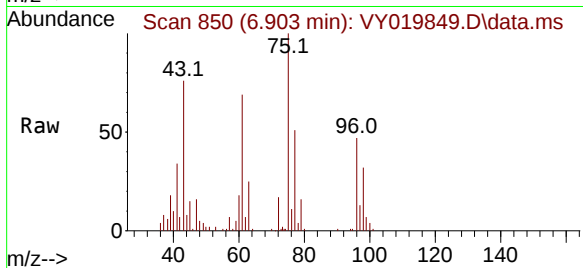
LOQ-SOIL-02-QT4-2024

Tgt Ion: 43 Resp: 29534

Ion Ratio Lower Upper

43 100

72 22.4 19.8 29.6



#26

2,2-Dichloropropane

Concen: 4.298 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY019849.D

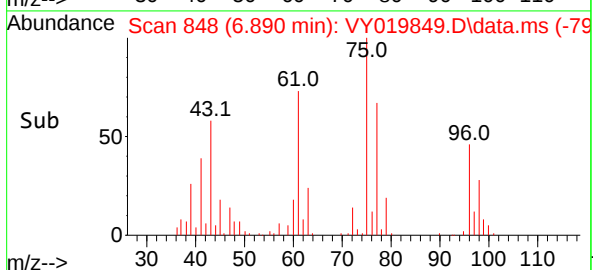
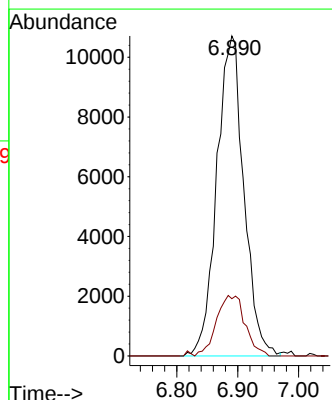
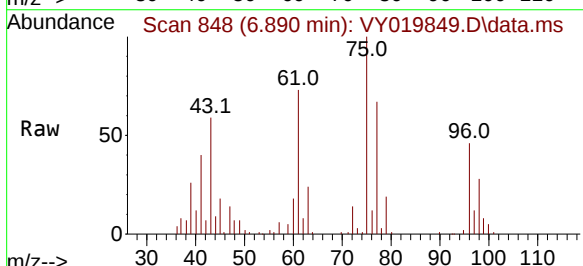
Acq: 10 Oct 2024 12:13

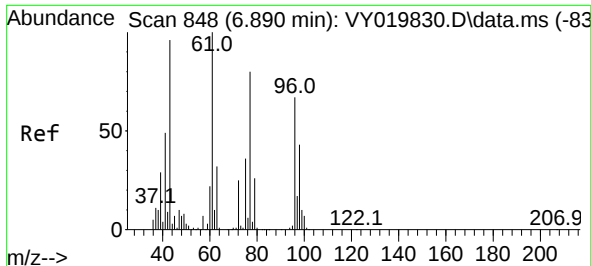
Tgt Ion: 77 Resp: 33064

Ion Ratio Lower Upper

77 100

97 19.9 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 4.077 ug/l

RT: 6.897 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY019849.D

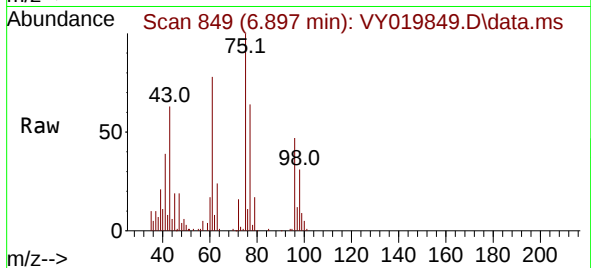
Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

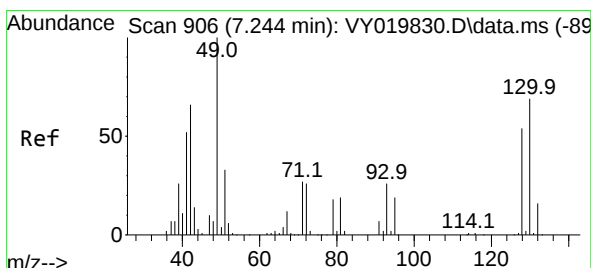
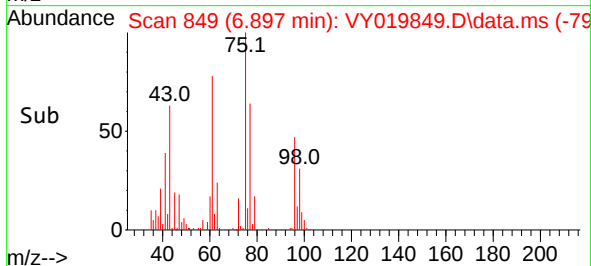
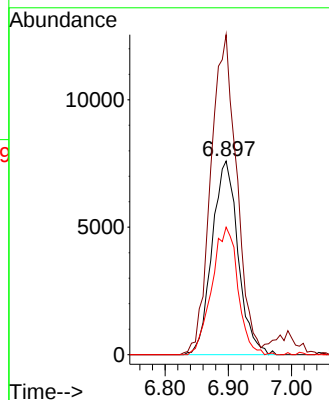
ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion: 96 Resp: 21680

Ion	Ratio	Lower	Upper
96	100		
61	164.4	0.0	311.4
98	65.9	0.0	129.2



#28

Bromochloromethane

Concen: 4.296 ug/l

RT: 7.250 min Scan# 907

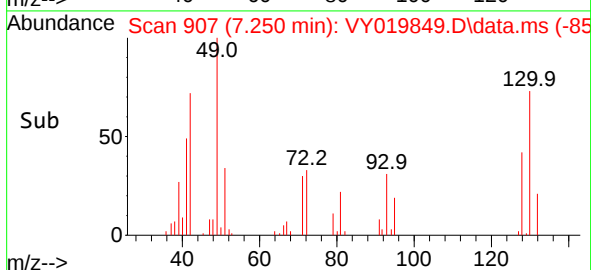
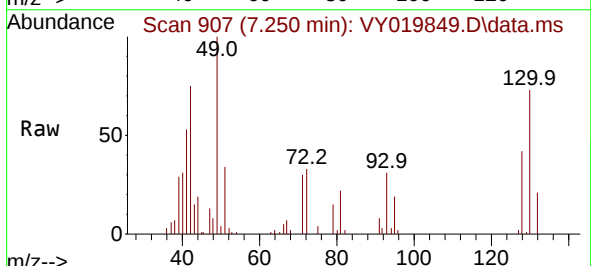
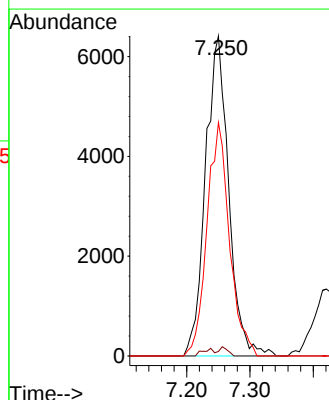
Delta R.T. 0.006 min

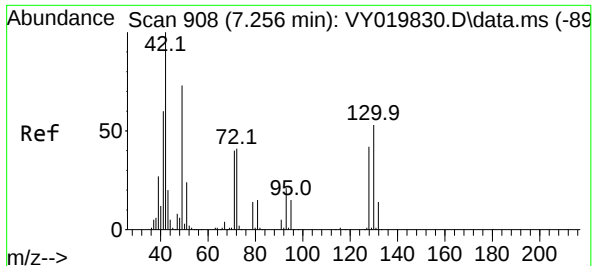
Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Tgt Ion: 49 Resp: 16332

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	70.6	55.0	82.4





#29

Tetrahydrofuran

Concen: 21.979 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

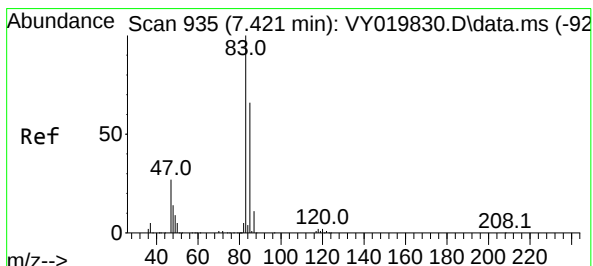
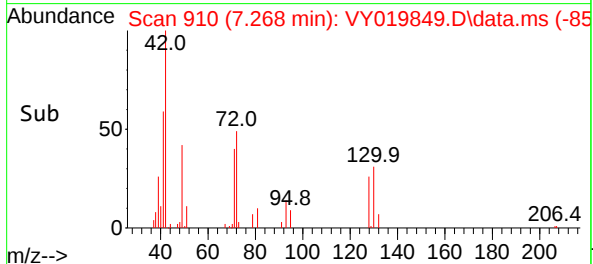
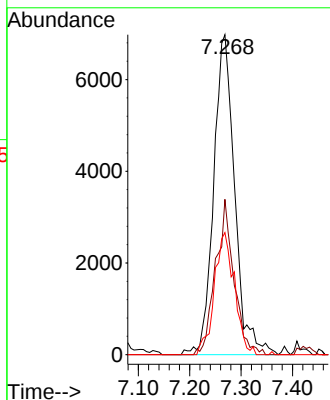
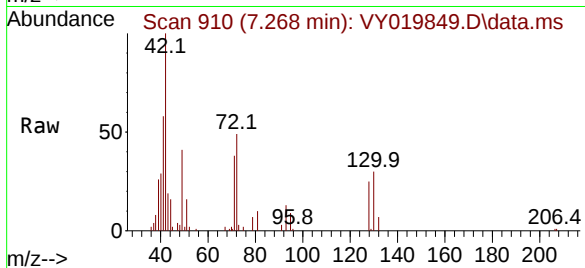
Tgt Ion: 42 Resp: 19844

Ion Ratio Lower Upper

42 100

72 42.5 33.4 50.0

71 36.5 31.6 47.4



#30

Chloroform

Concen: 4.229 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY019849.D

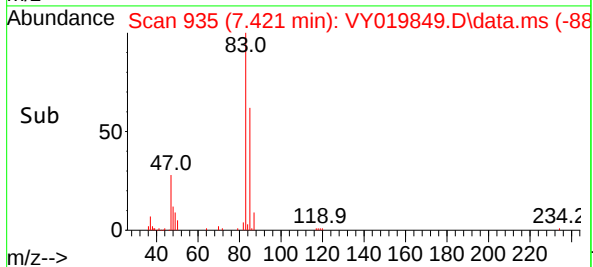
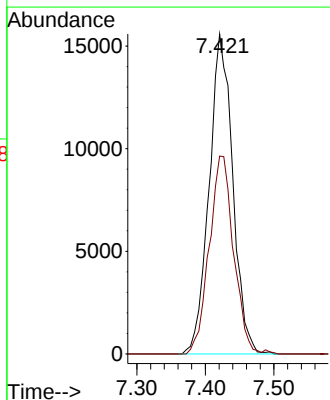
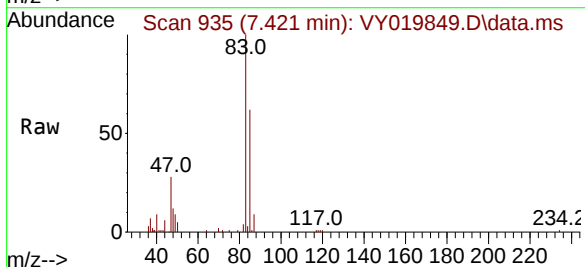
Acq: 10 Oct 2024 12:13

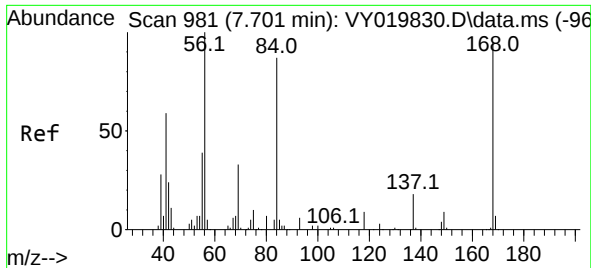
Tgt Ion: 83 Resp: 37233

Ion Ratio Lower Upper

83 100

85 61.9 52.7 79.1

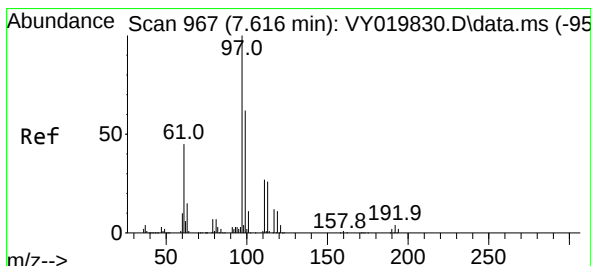
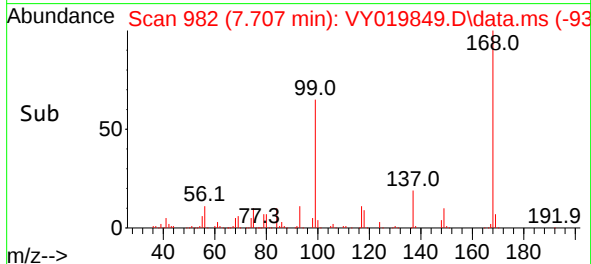
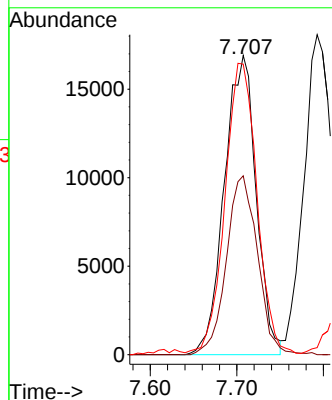
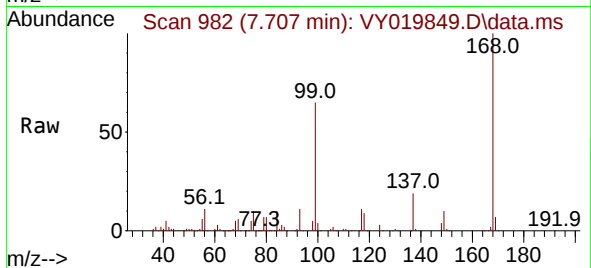




#31
Cyclohexane
Concen: 5.695 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

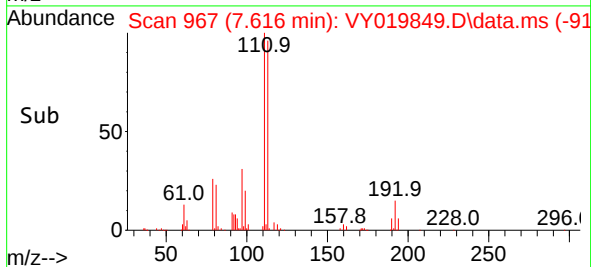
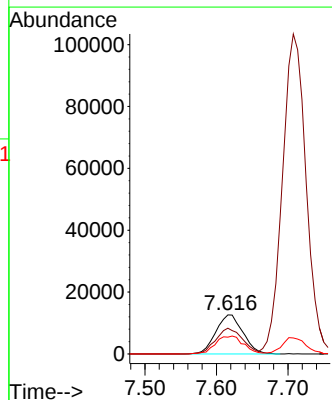
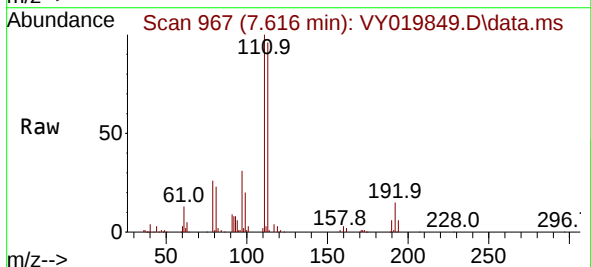
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

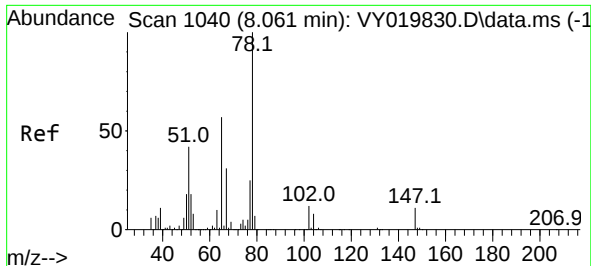
Tgt Ion: 56 Resp: 43183
Ion Ratio Lower Upper
56 100
69 59.8 26.6 39.8#
84 96.1 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 4.297 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 97 Resp: 33161
Ion Ratio Lower Upper
97 100
99 65.6 51.0 76.4
61 47.6 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 49.180 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

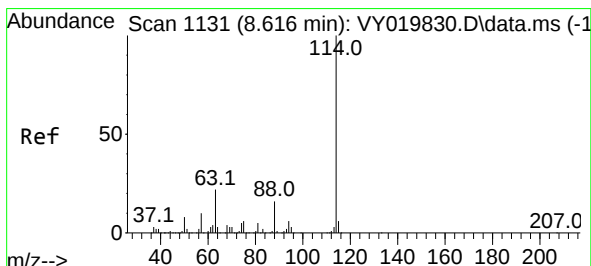
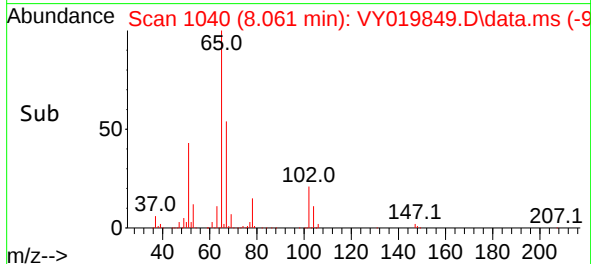
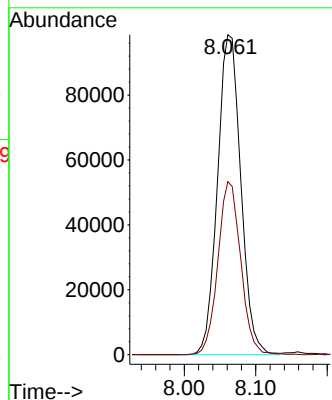
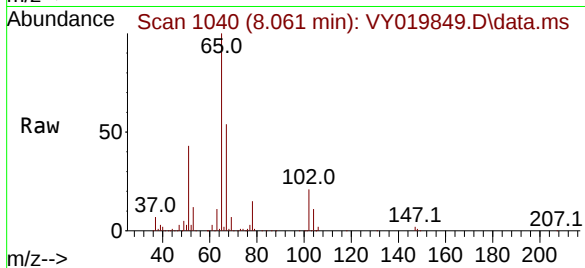
LOQ-SOIL-02-QT4-2024

Tgt Ion: 65 Resp: 223179

Ion Ratio Lower Upper

65 100

67 53.0 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: VY019849.D

Acq: 10 Oct 2024 12:13

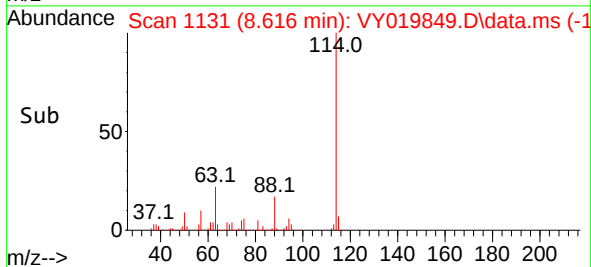
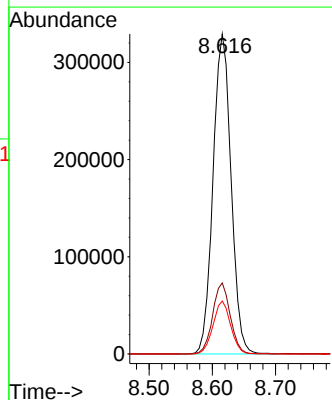
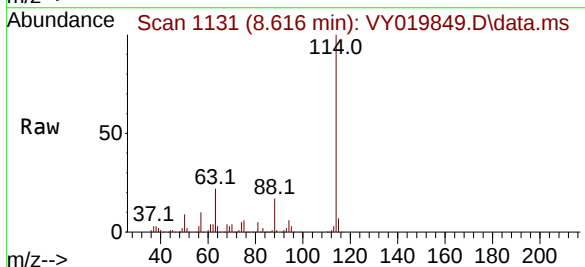
Tgt Ion: 114 Resp: 650108

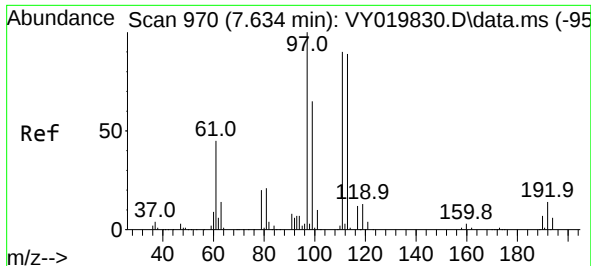
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 16.6 0.0 32.0

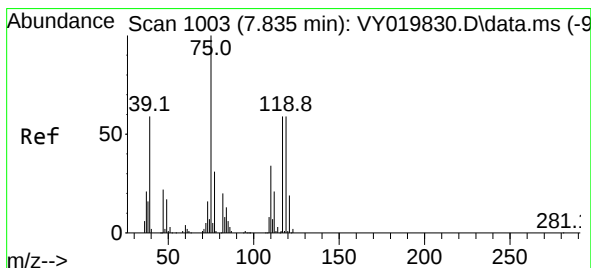
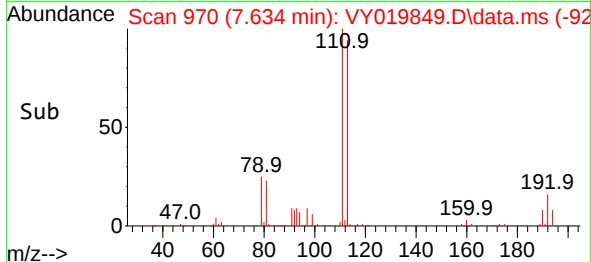
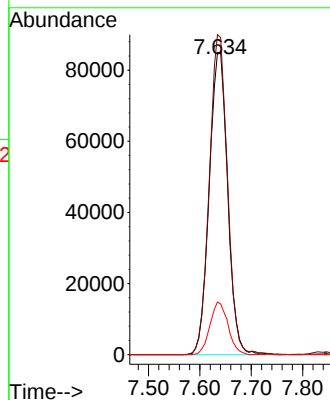
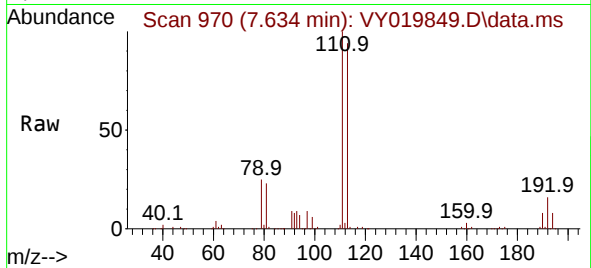




#35
Dibromofluoromethane
Concen: 49.414 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

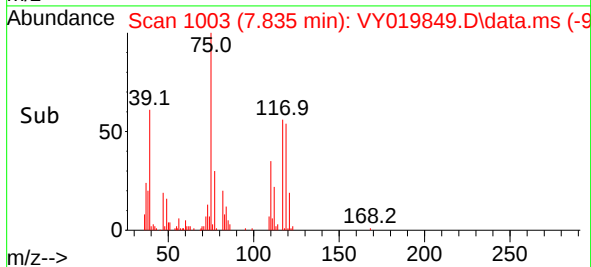
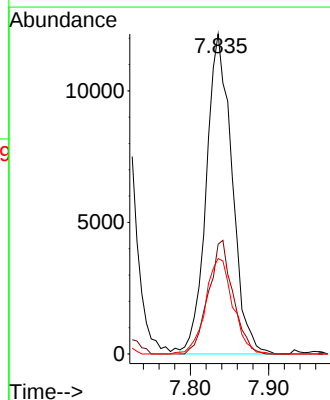
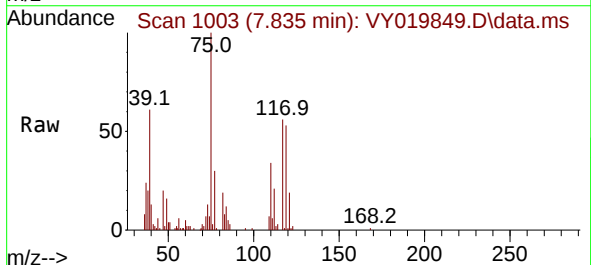
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

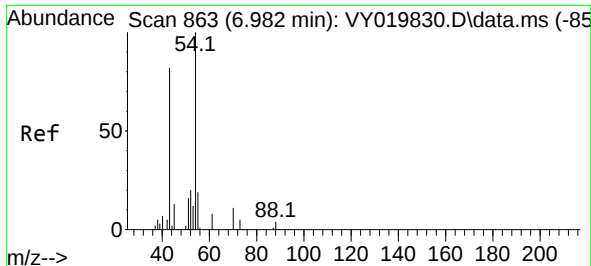
Tgt Ion:113 Resp: 211985
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 17.1 13.6 20.4



#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 75 Resp: 27740
Ion Ratio Lower Upper
75 100
110 33.9 16.6 49.8
77 31.7 24.6 36.8





#37

Ethyl Acetate

Concen: 3.706 ug/l m

RT: 6.994 min Scan# 8

Delta R.T. 0.012 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

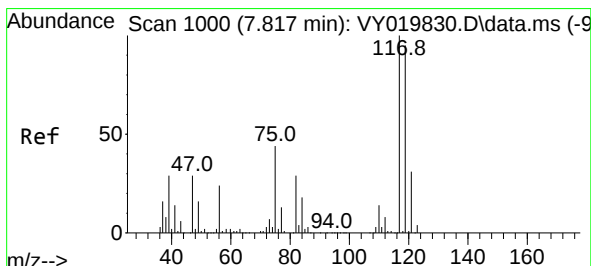
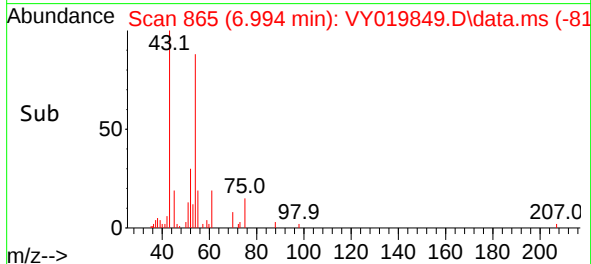
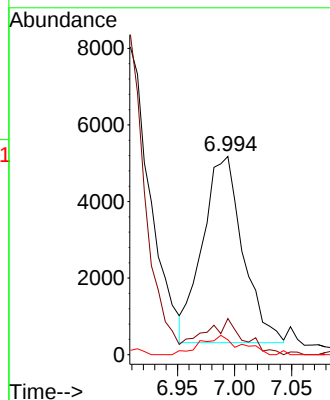
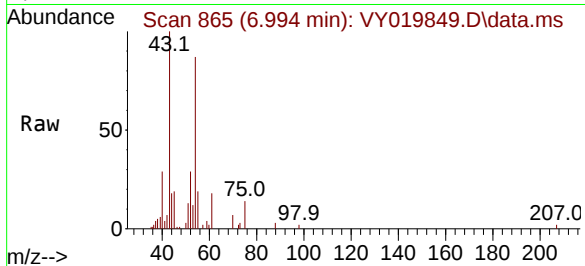
Tgt Ion: 43 Resp: 11945

Ion Ratio Lower Upper

43 100

61 18.3 10.9 16.3#

70 10.1 7.6 11.4



#38

Carbon Tetrachloride

Concen: 4.081 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

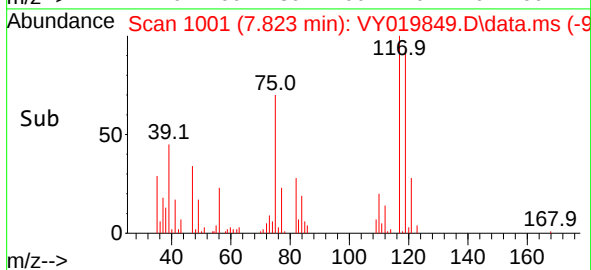
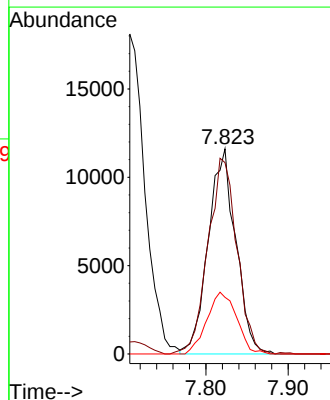
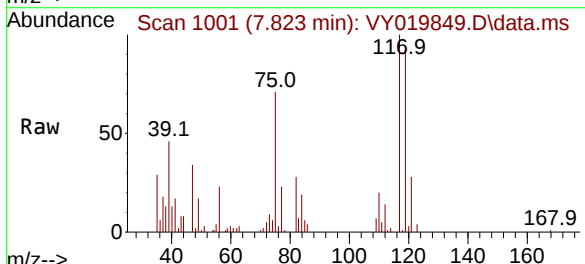
Tgt Ion:117 Resp: 27041

Ion Ratio Lower Upper

117 100

119 92.6 76.2 114.4

121 27.6 25.0 37.4





#39

Methylcyclohexane

Concen: 4.703 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

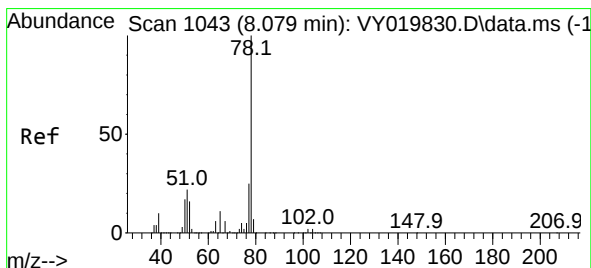
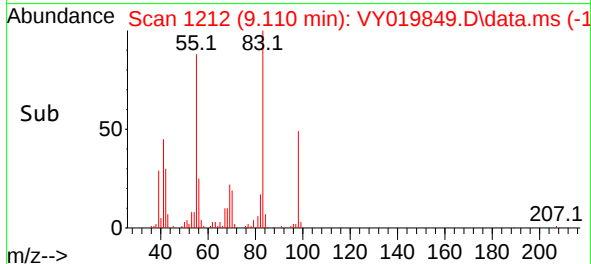
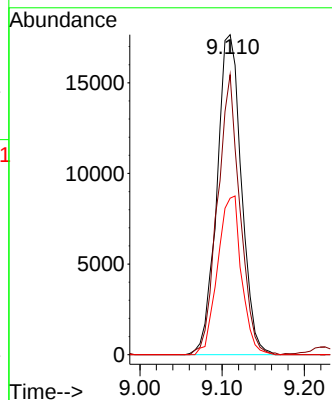
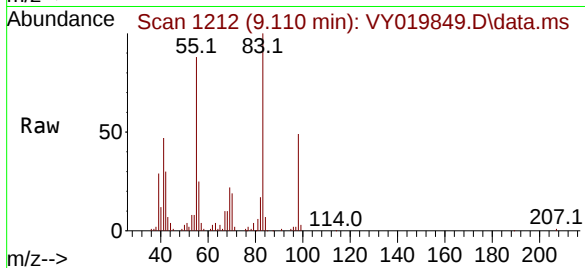
Tgt Ion: 83 Resp: 36621

Ion Ratio Lower Upper

83 100

55 87.5 63.7 95.5

98 48.9 38.3 57.5



#40

Benzene

Concen: 4.370 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019849.D

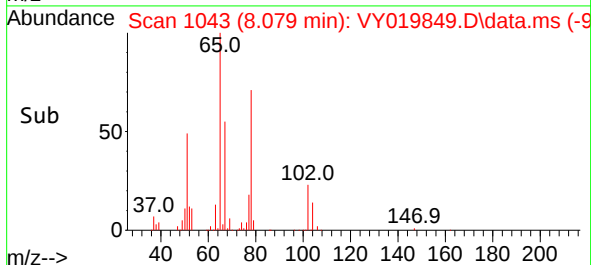
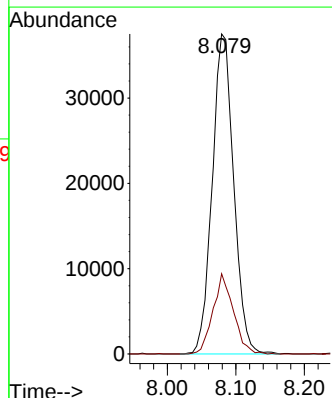
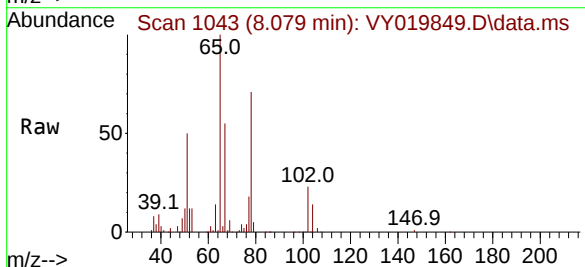
Acq: 10 Oct 2024 12:13

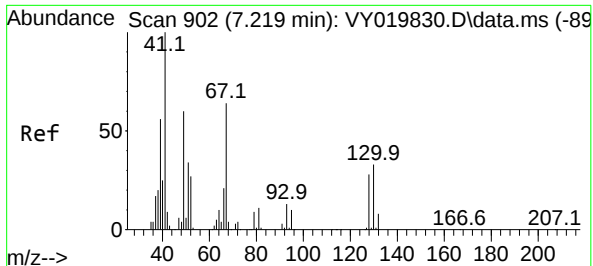
Tgt Ion: 78 Resp: 81738

Ion Ratio Lower Upper

78 100

77 25.1 19.6 29.4

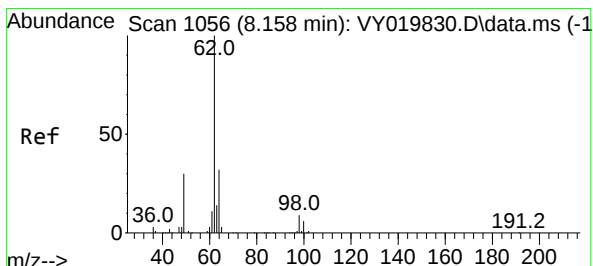
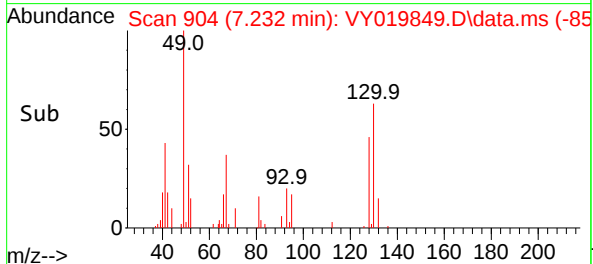
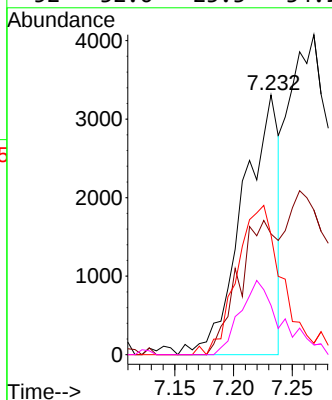
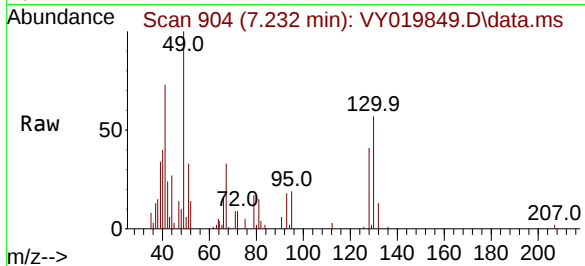




#41
Methacrylonitrile
Concen: 4.046 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.012 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

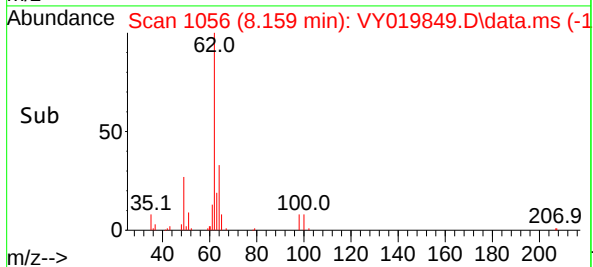
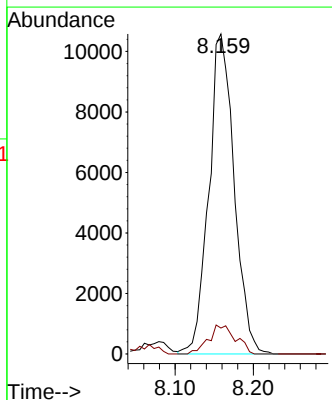
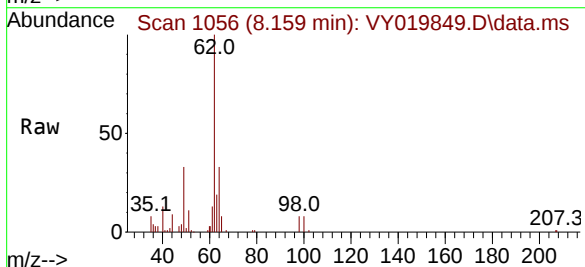
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

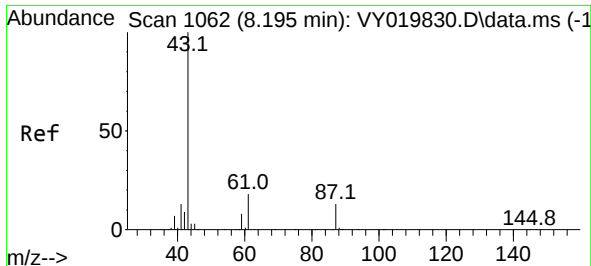
Tgt Ion:	41	Resp:	7058
Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.9	65.9
67	70.9	53.2	79.8
52	32.6	23.3	34.9



#42
1,2-Dichloroethane
Concen: 4.430 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion:	62	Resp:	23807
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	17.8

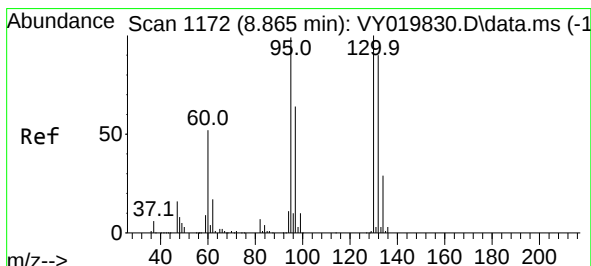
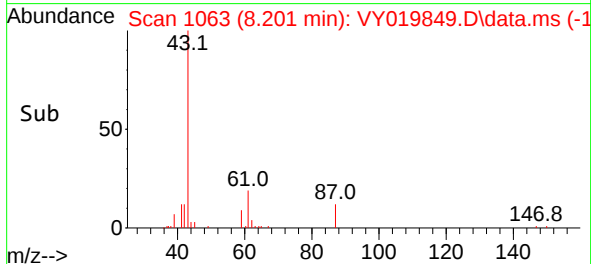
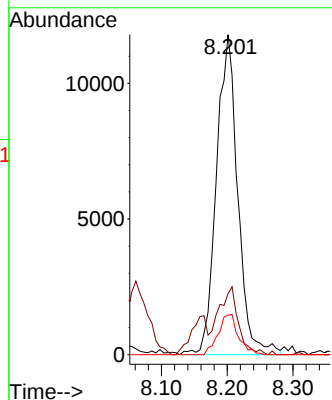
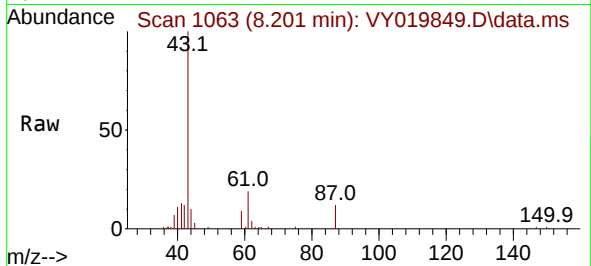




#43
Isopropyl Acetate
Concen: 4.064 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

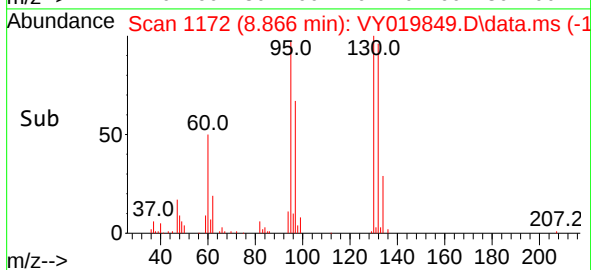
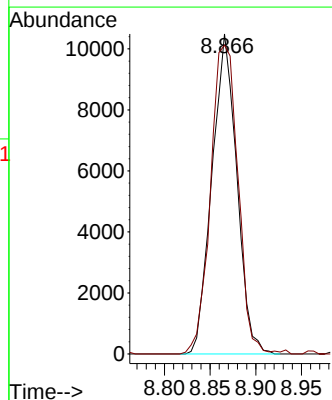
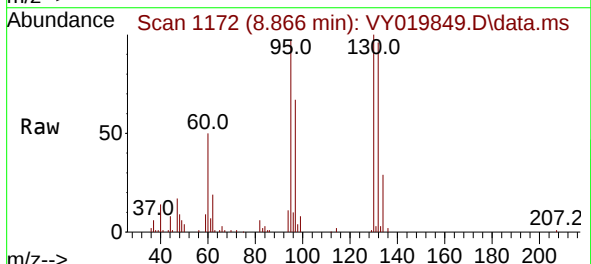
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2024

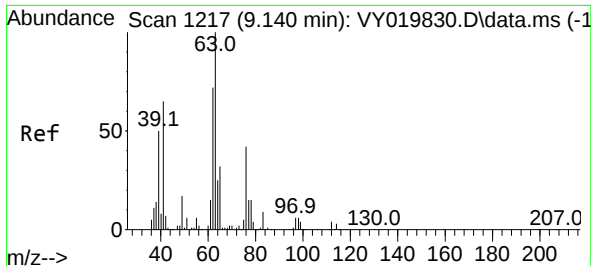
Tgt Ion:	43	Resp:	26709
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.5	23.3
87	11.9	9.9	14.9



#44
Trichloroethene
Concen: 4.379 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion:	130	Resp:	19837
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	197.2





#45

1,2-Dichloropropane

Concen: 4.317 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

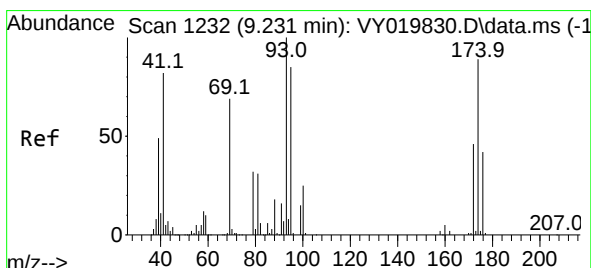
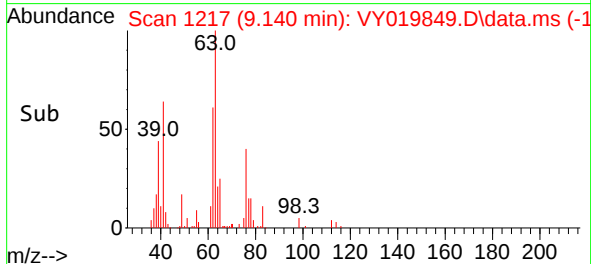
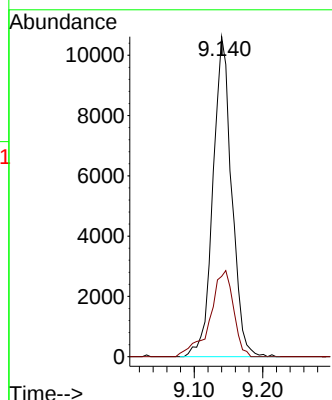
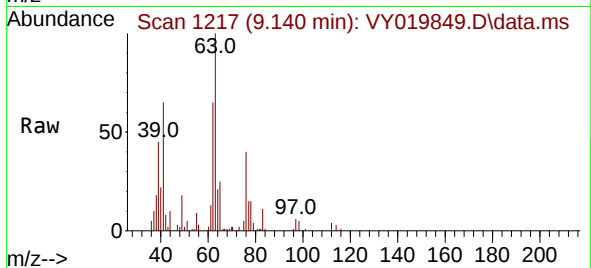
LOQ-SOIL-02-QT4-2024

Tgt Ion: 63 Resp: 20212

Ion Ratio Lower Upper

63 100

65 25.1 25.6 38.4#



#46

Dibromomethane

Concen: 4.185 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

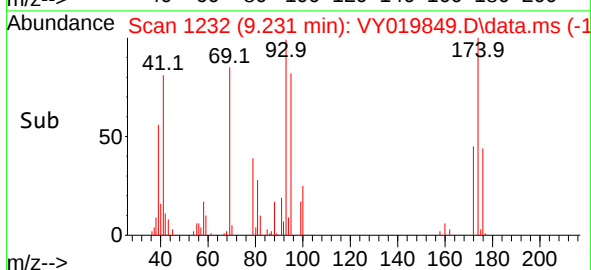
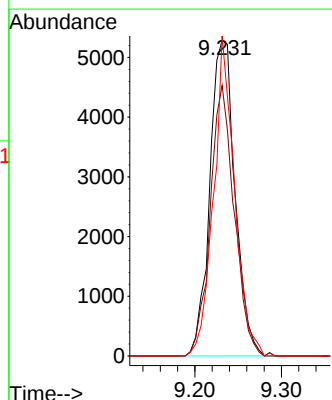
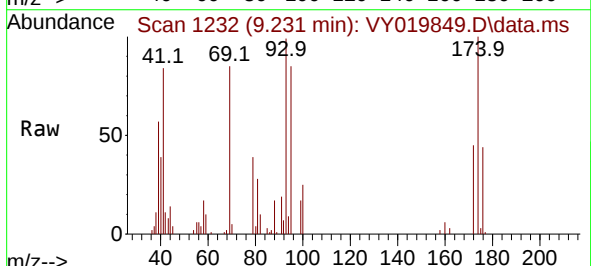
Tgt Ion: 93 Resp: 10706

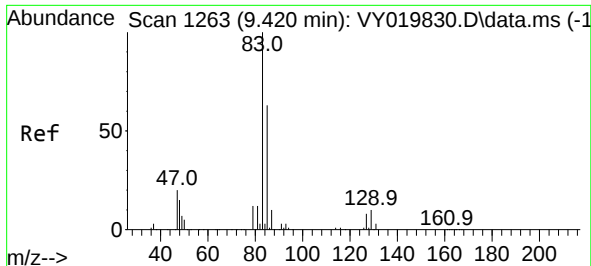
Ion Ratio Lower Upper

93 100

95 81.5 65.4 98.2

174 84.3 70.4 105.6





#47

Bromodichloromethane

Concen: 4.001 ug/l

RT: 9.420 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

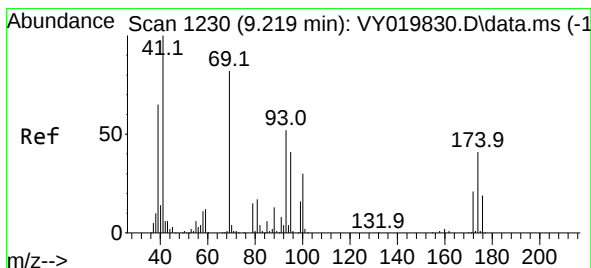
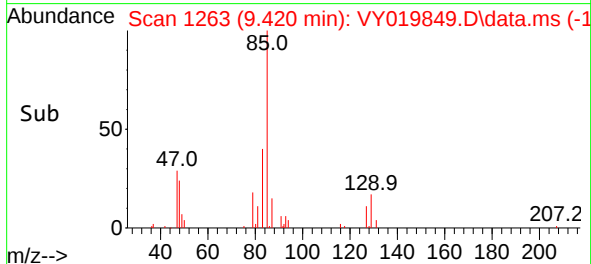
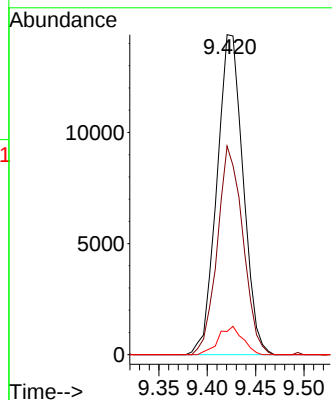
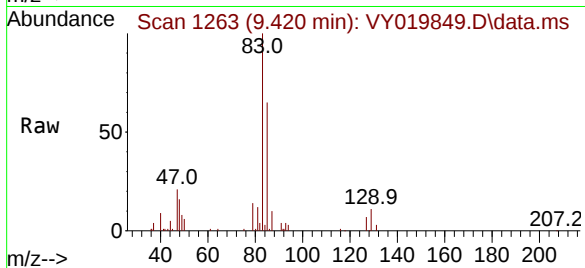
Tgt Ion: 83 Resp: 27167

Ion Ratio Lower Upper

83 100

85 65.2 50.2 75.2

127 7.2 6.3 9.5



#48

Methyl methacrylate

Concen: 3.867 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

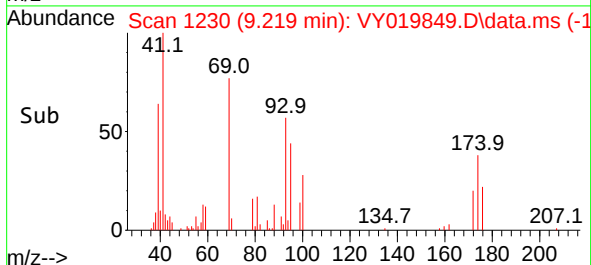
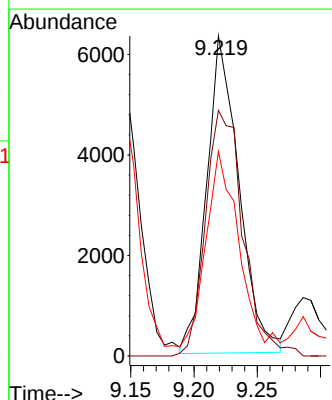
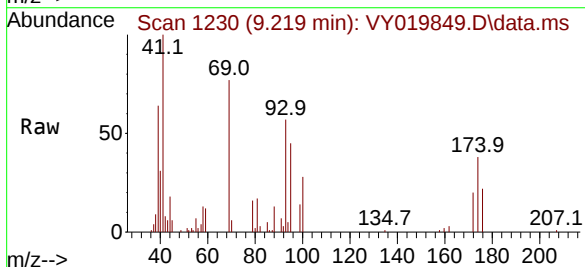
Tgt Ion: 41 Resp: 11179

Ion Ratio Lower Upper

41 100

69 90.1 66.3 99.5

39 62.7 50.2 75.4





#49

1,4-Dioxane

Concen: 77.789 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

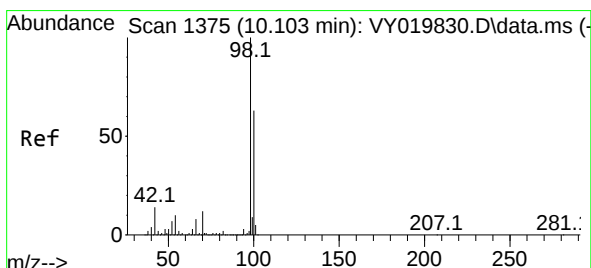
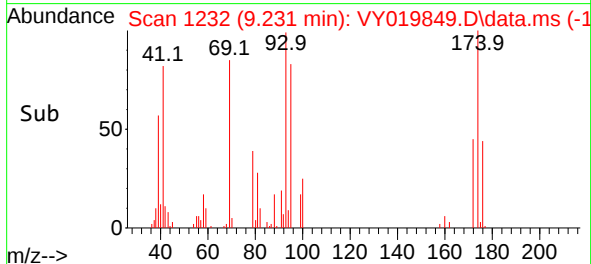
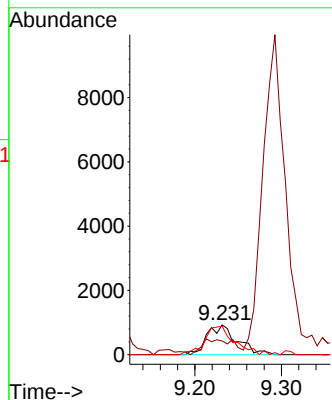
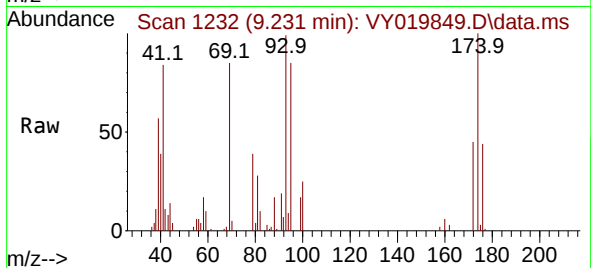
Tgt Ion: 88 Resp: 2227

Ion Ratio Lower Upper

88 100

43 54.5 28.5 42.7#

58 94.7 52.6 78.8#



#50

Toluene-d8

Concen: 49.435 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019849.D

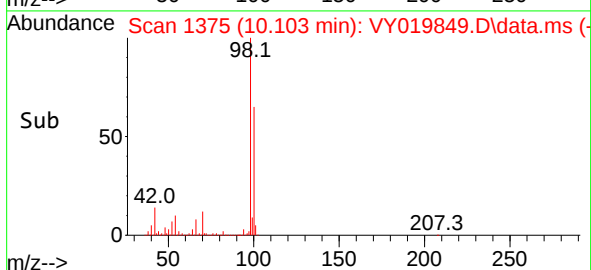
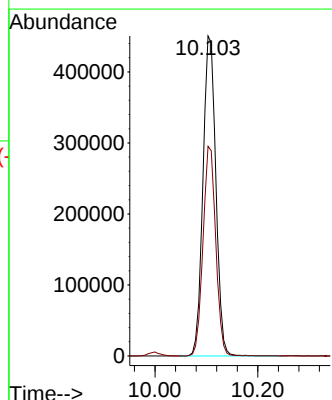
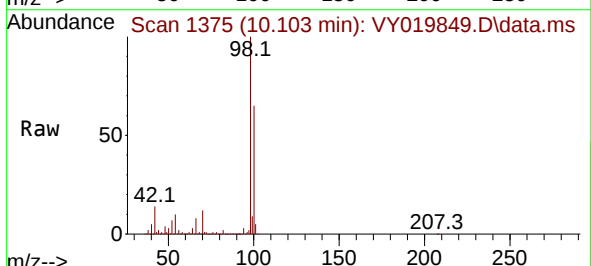
Acq: 10 Oct 2024 12:13

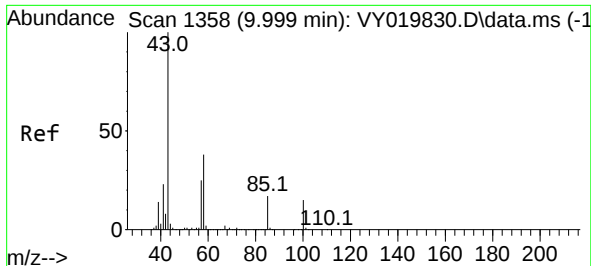
Tgt Ion: 98 Resp: 783165

Ion Ratio Lower Upper

98 100

100 64.7 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 18.881 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

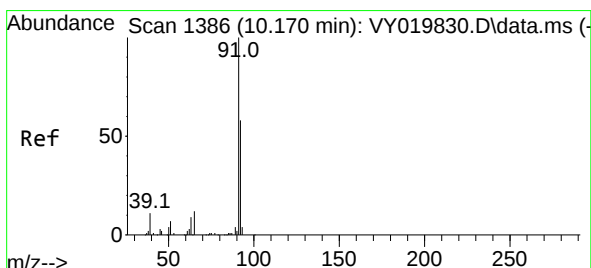
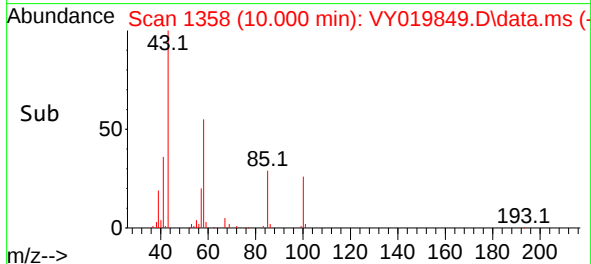
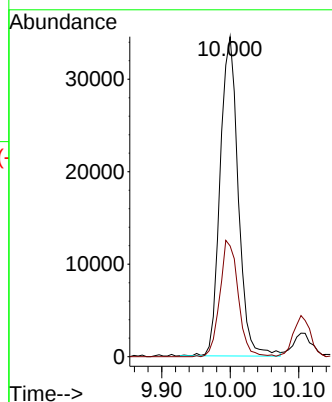
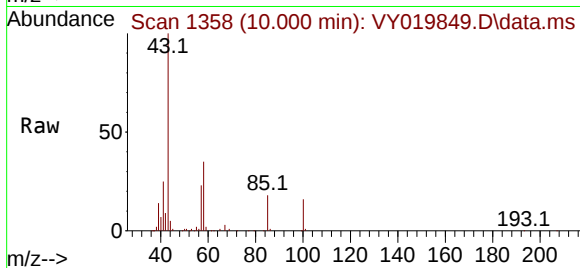
LOQ-SOIL-02-QT4-2024

Tgt Ion: 43 Resp: 63296

Ion Ratio Lower Upper

43 100

58 36.9 30.4 45.6



#52

Toluene

Concen: 4.247 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY019849.D

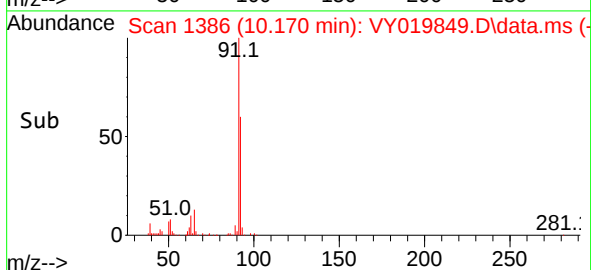
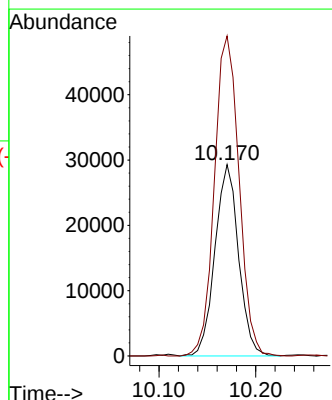
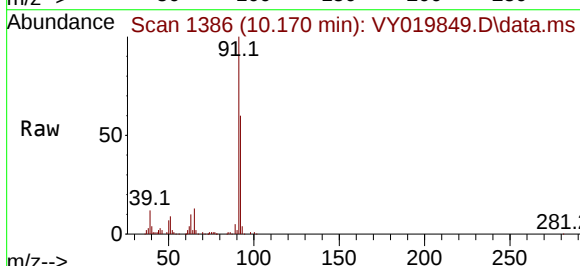
Acq: 10 Oct 2024 12:13

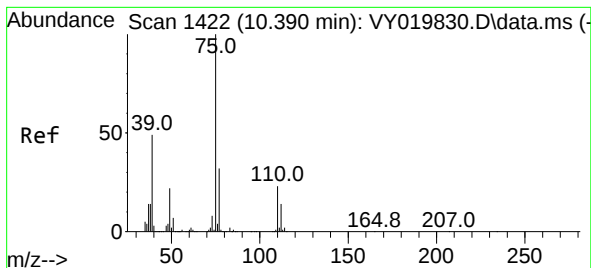
Tgt Ion: 92 Resp: 49589

Ion Ratio Lower Upper

92 100

91 174.6 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 3.733 ug/l

RT: 10.396 min Scan# 1422

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

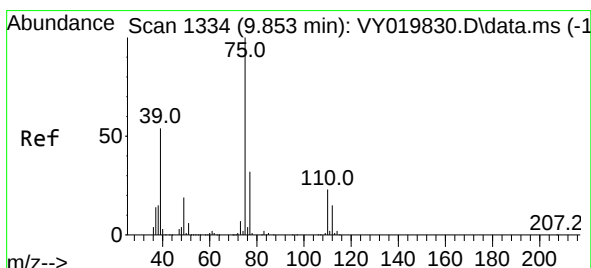
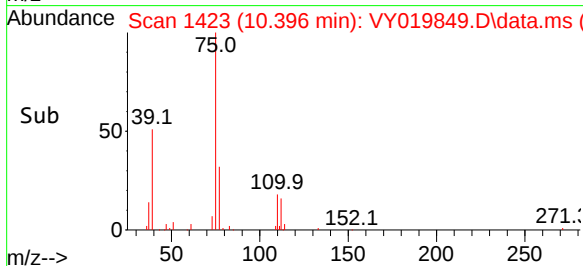
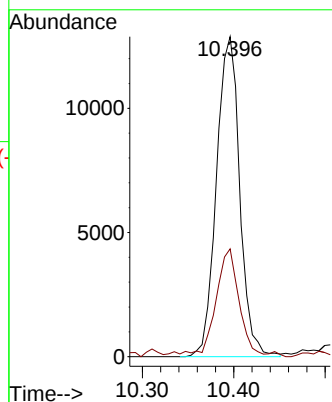
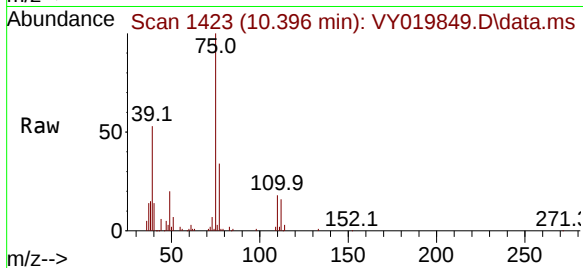
LOQ-SOIL-02-QT4-2024

Tgt Ion: 75 Resp: 22804

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 4.043 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

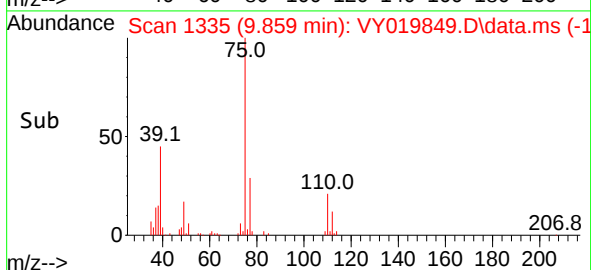
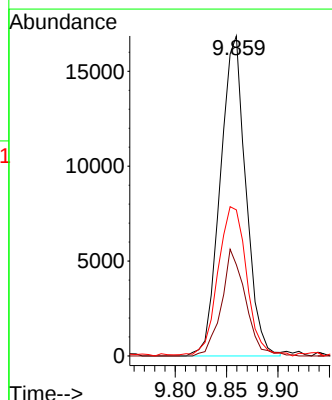
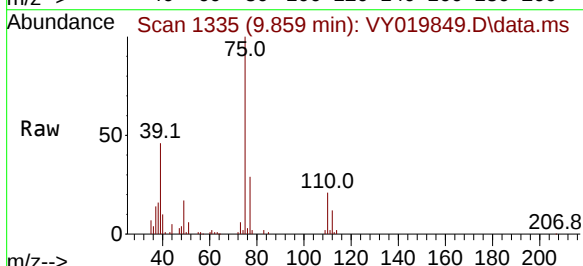
Tgt Ion: 75 Resp: 29142

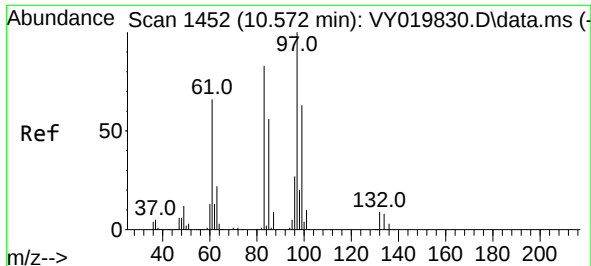
Ion Ratio Lower Upper

75 100

77 28.5 25.4 38.2

39 45.3 43.1 64.7

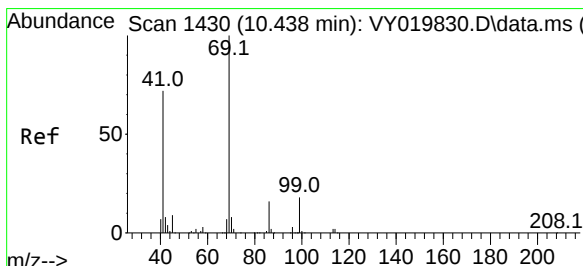
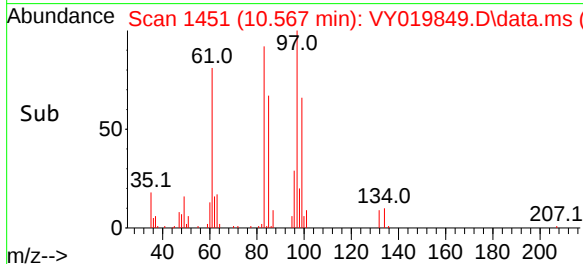
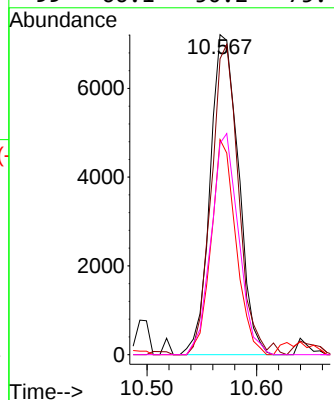
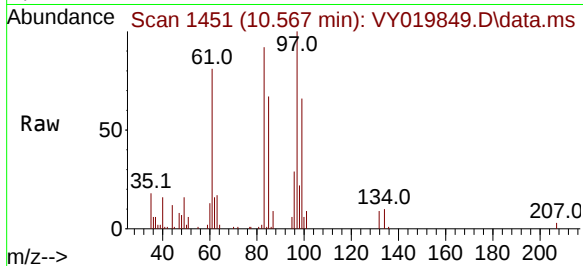




#55
1,1,2-Trichloroethane
Concen: 3.852 ug/l
RT: 10.567 min Scan# 1452
Delta R.T. -0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

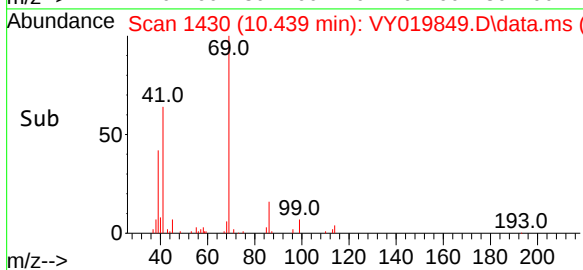
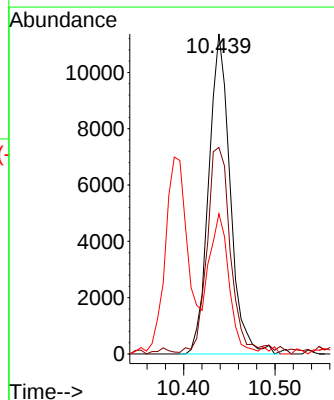
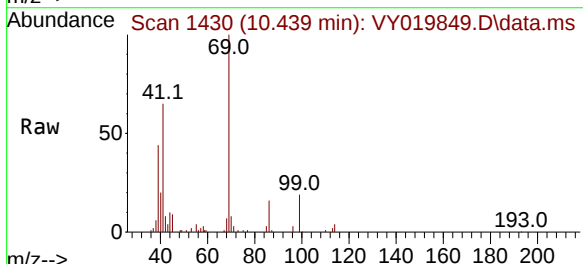
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

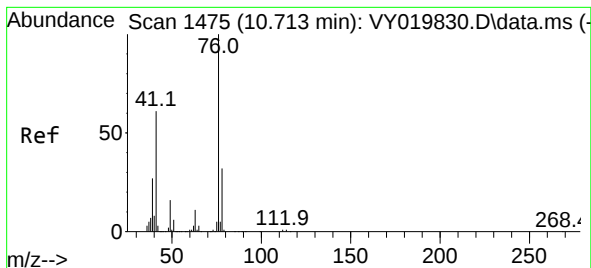
Tgt Ion:	97	Resp:	12980
Ion	Ratio	Lower	Upper
97	100		
83	92.5	66.7	100.1
85	67.2	45.0	67.4
99	66.1	50.2	75.4



#56
Ethyl methacrylate
Concen: 3.824 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion:	69	Resp:	18492
Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.2	82.8
39	39.3	33.0	49.4





#57

1,3-Dichloropropane

Concen: 4.077 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

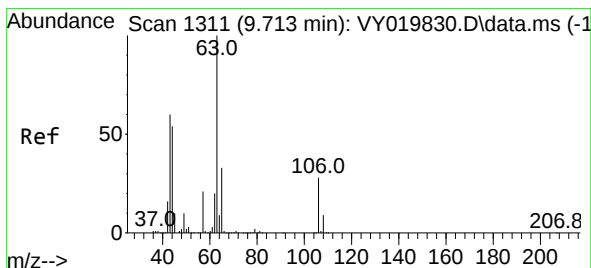
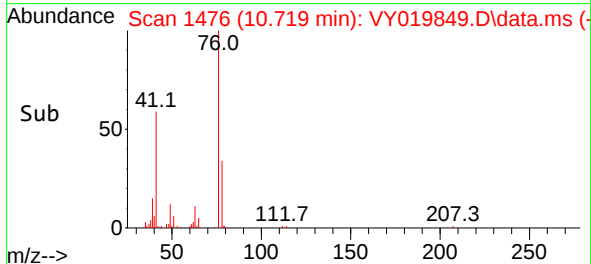
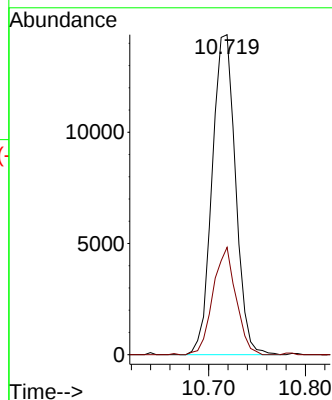
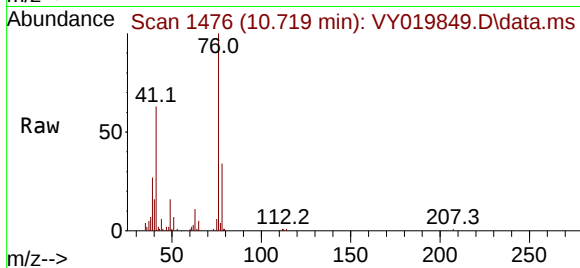
LOQ-SOIL-02-QT4-2024

Tgt Ion: 76 Resp: 24131

Ion Ratio Lower Upper

76 100

78 33.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 19.612 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY019849.D

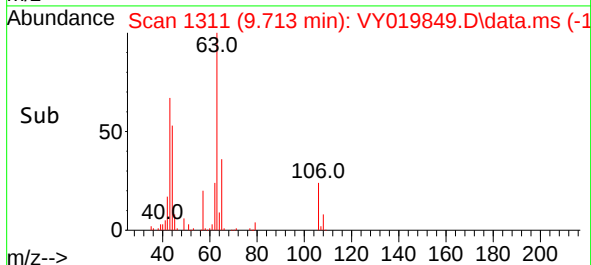
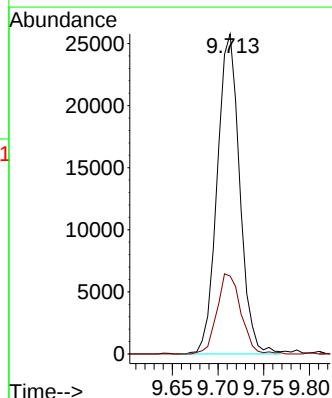
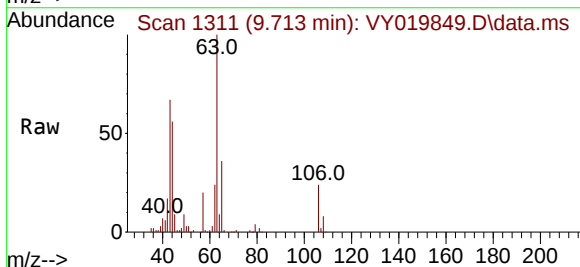
Acq: 10 Oct 2024 12:13

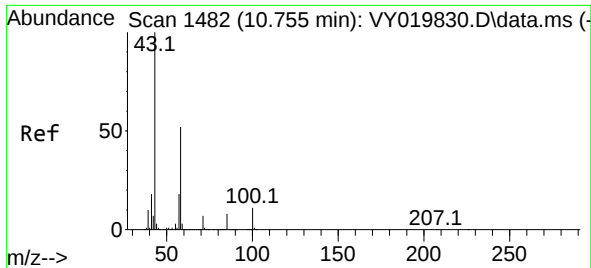
Tgt Ion: 63 Resp: 44150

Ion Ratio Lower Upper

63 100

106 26.6 21.7 32.5

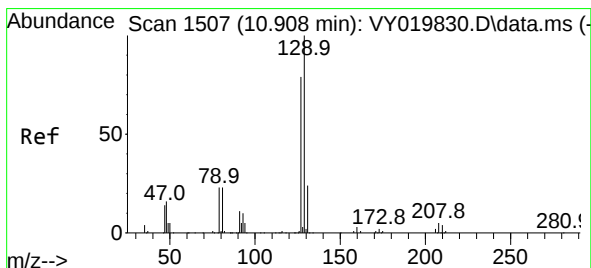
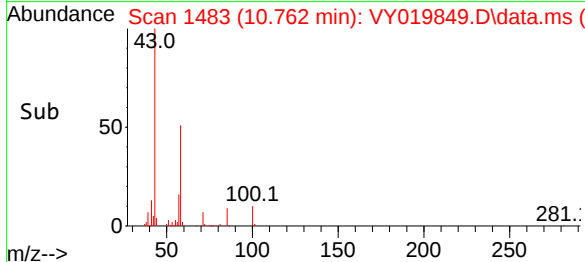
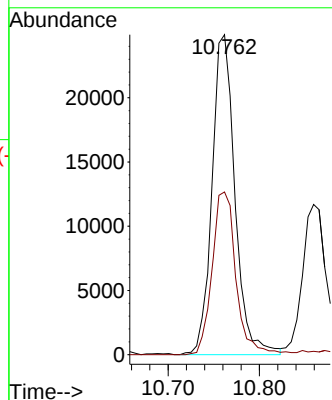
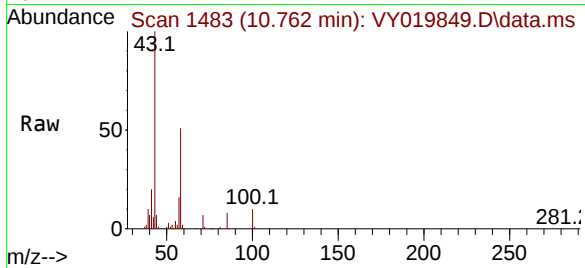




#59
2-Hexanone
Concen: 18.135 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

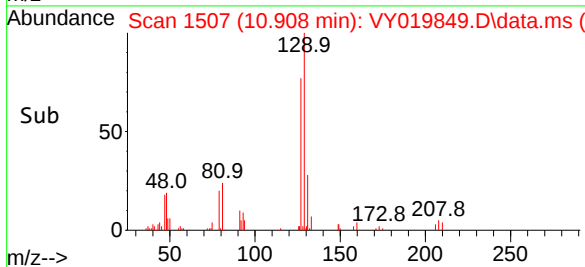
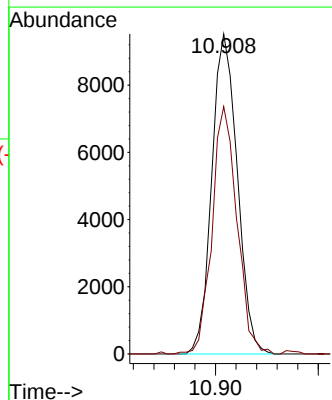
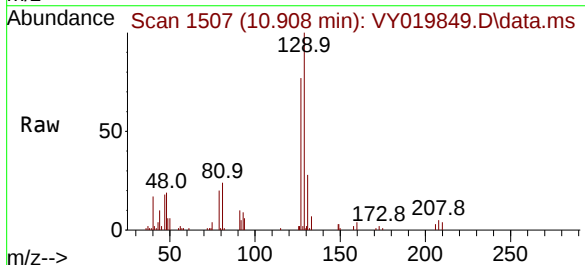
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2024

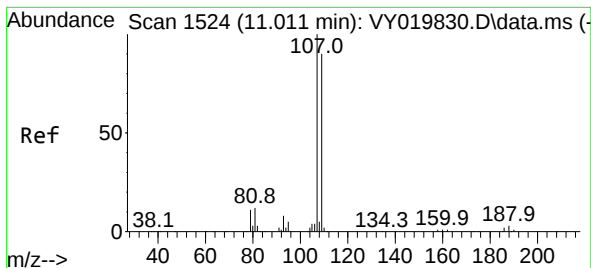
Tgt Ion: 43 Resp: 43421
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.2



#60
Dibromochloromethane
Concen: 3.791 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 129 Resp: 16396
Ion Ratio Lower Upper
129 100
127 75.3 39.5 118.5





#61

1,2-Dibromoethane

Concen: 4.163 ug/l

RT: 11.012 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

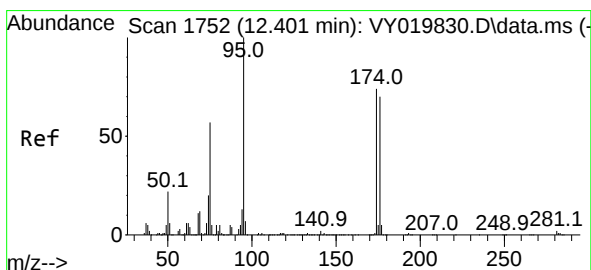
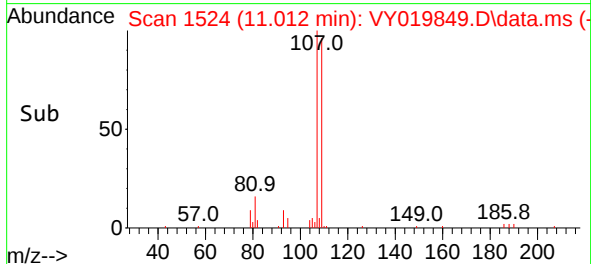
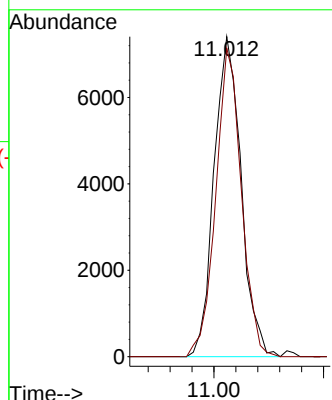
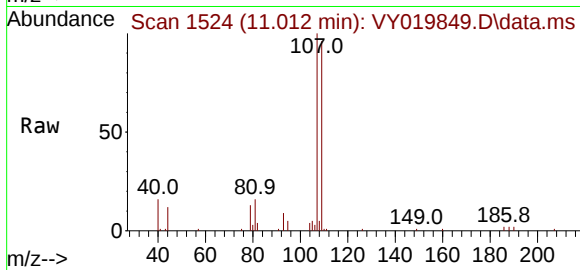
LOQ-SOIL-02-QT4-2024

Tgt Ion:107 Resp: 12678

Ion Ratio Lower Upper

107 100

109 91.5 74.4 111.6



#62

4-Bromofluorobenzene

Concen: 47.099 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

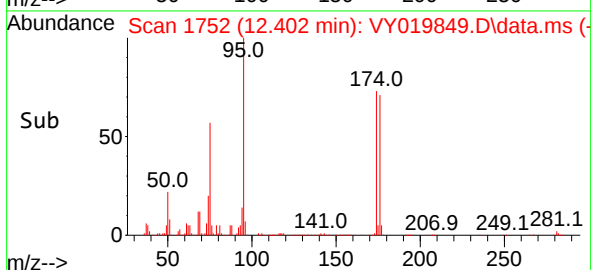
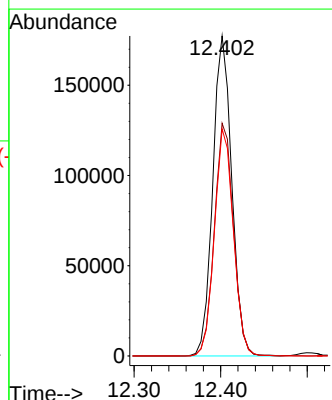
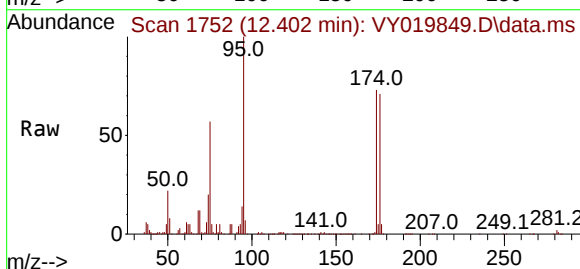
Tgt Ion: 95 Resp: 269611

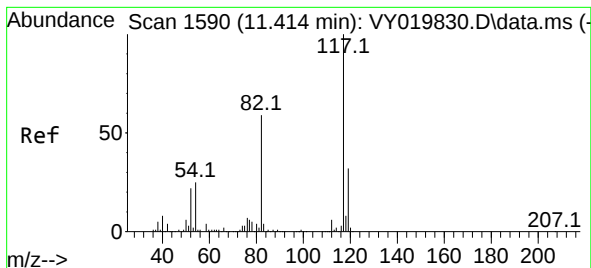
Ion Ratio Lower Upper

95 100

174 73.4 0.0 148.0

176 71.1 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

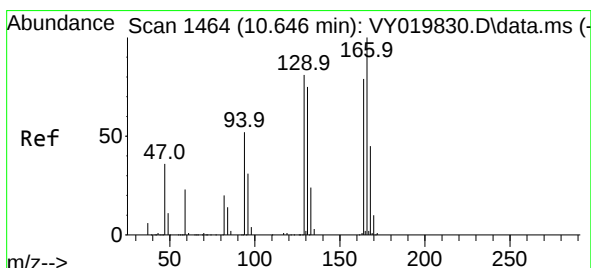
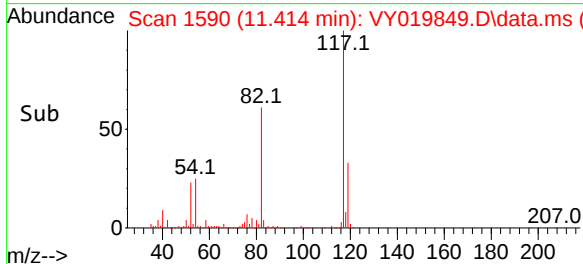
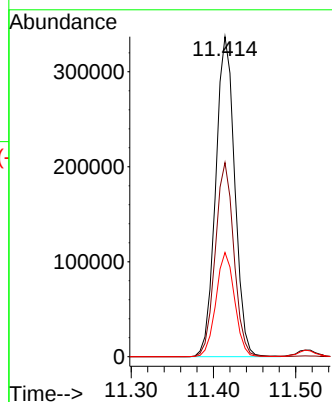
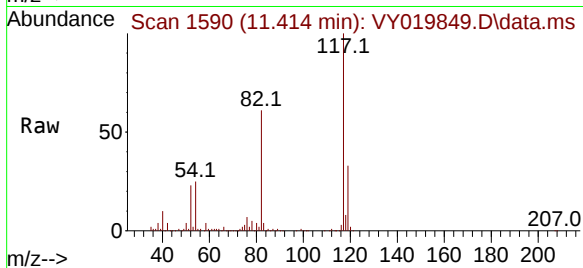
Tgt Ion:117 Resp: 543745

Ion Ratio Lower Upper

117 100

82 60.7 46.9 70.3

119 32.5 25.4 38.2



#64

Tetrachloroethene

Concen: 4.440 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Tgt Ion:164 Resp: 17171

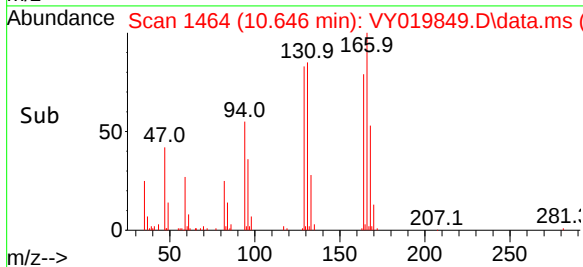
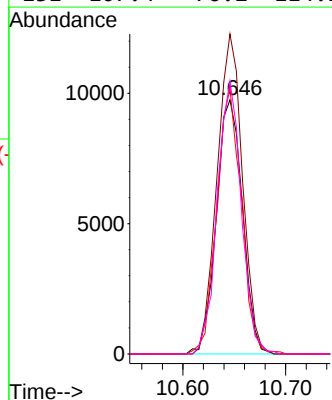
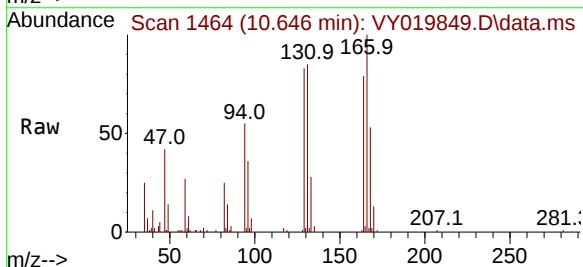
Ion Ratio Lower Upper

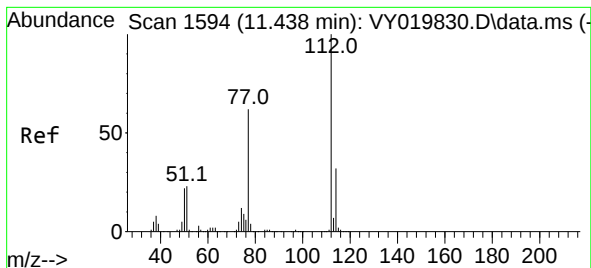
164 100

166 125.9 101.0 151.6

129 104.4 81.4 122.2

131 107.4 76.2 114.2





#65

Chlorobenzene

Concen: 4.226 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

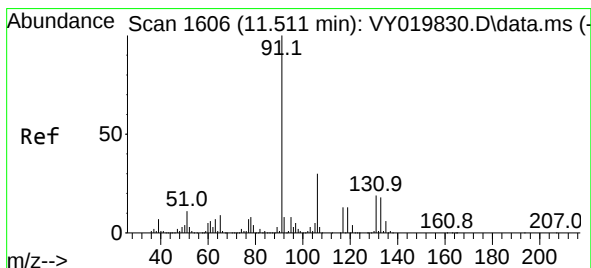
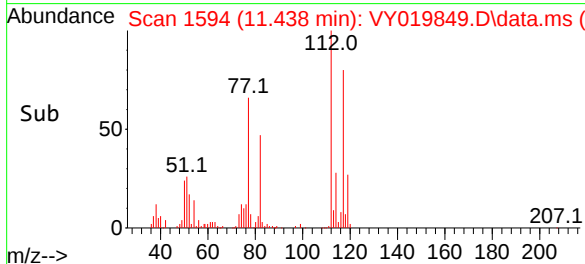
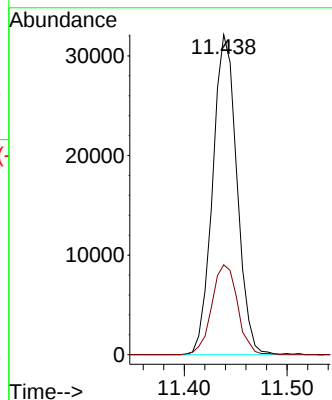
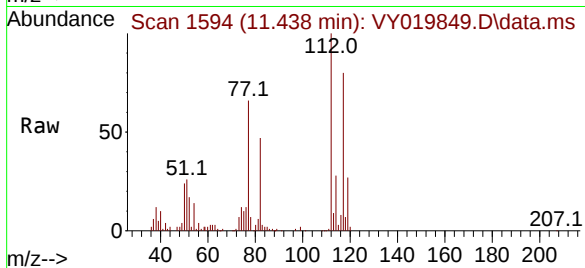
LOQ-SOIL-02-QT4-2024

Tgt Ion:112 Resp: 52556

Ion Ratio Lower Upper

112 100

114 28.1 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 4.029 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

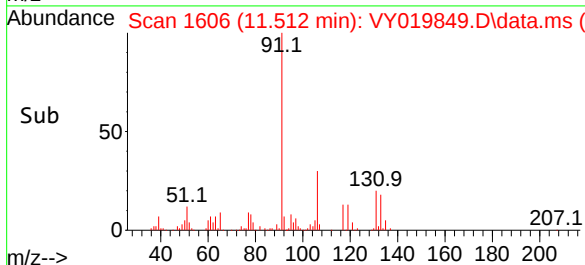
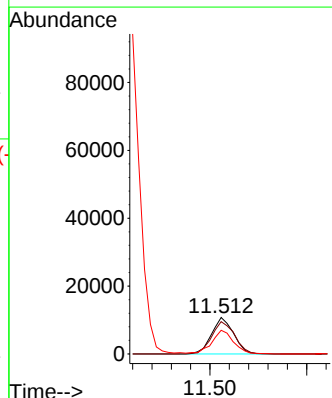
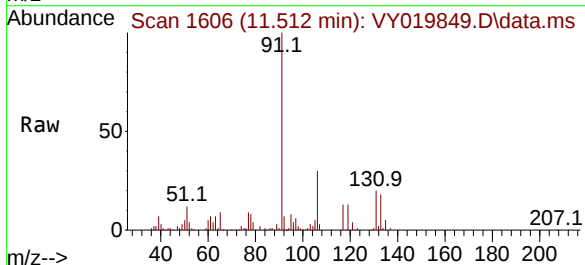
Tgt Ion:131 Resp: 16952

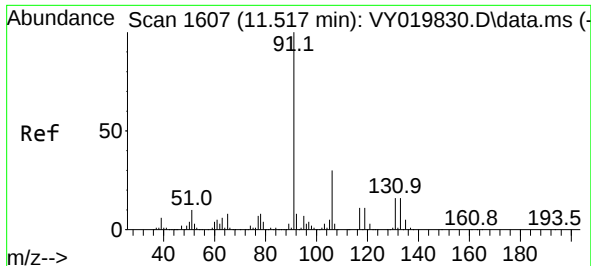
Ion Ratio Lower Upper

131 100

133 93.1 48.0 144.0

119 64.4 33.4 100.1

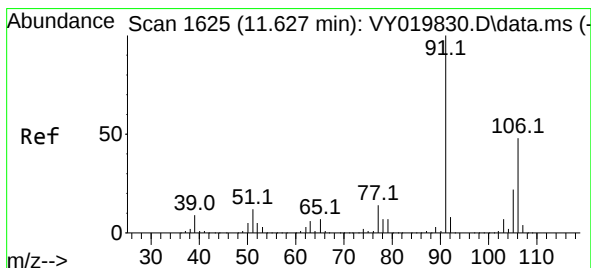
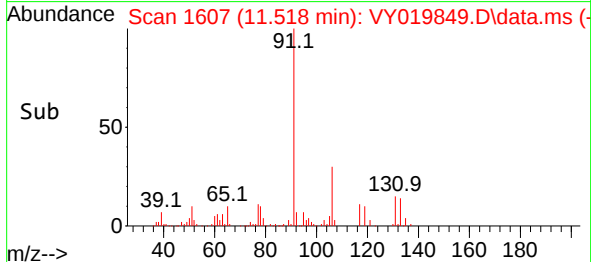
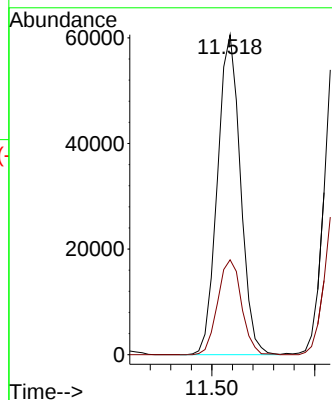
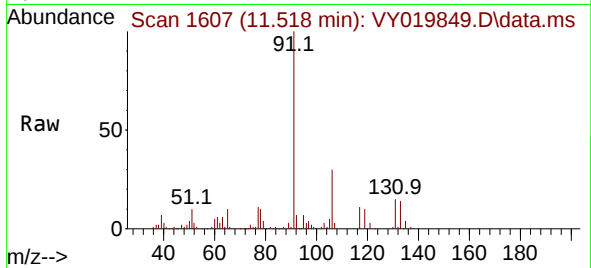




#67
Ethyl Benzene
Concen: 4.161 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

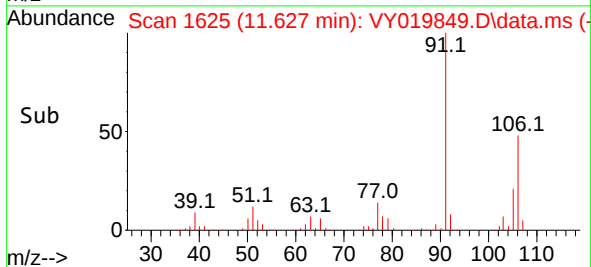
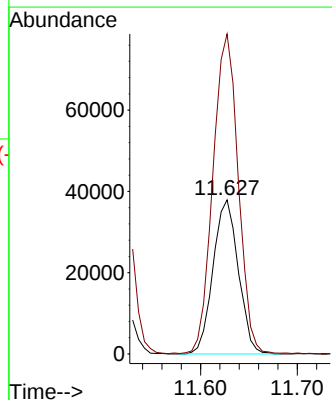
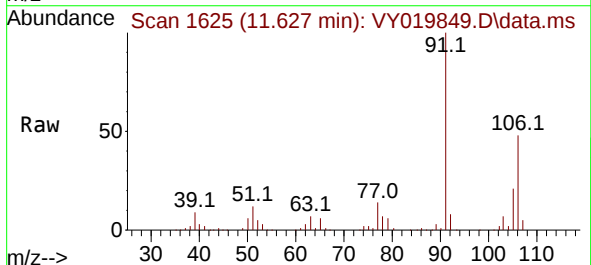
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

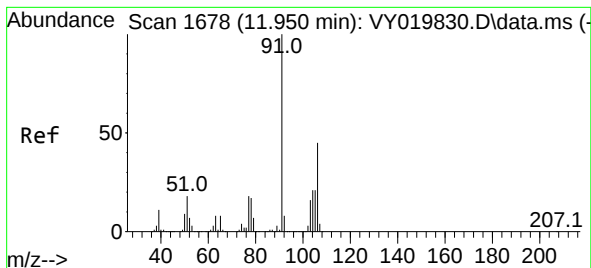
Tgt Ion: 91 Resp: 93995
Ion Ratio Lower Upper
91 100
106 29.7 23.7 35.5



#68
m/p-Xylenes
Concen: 8.225 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 106 Resp: 68626
Ion Ratio Lower Upper
106 100
91 209.0 165.7 248.5





#69

o-Xylene

Concen: 4.177 ug/l

RT: 11.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

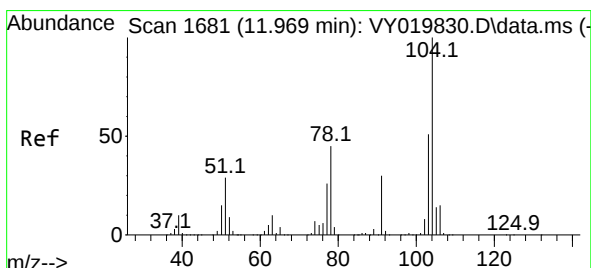
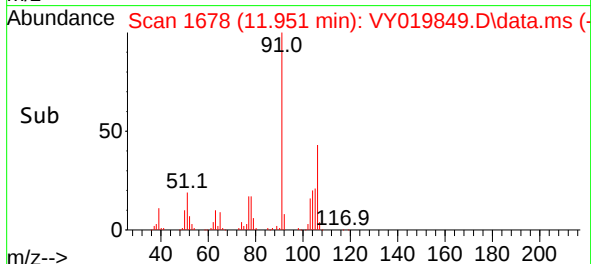
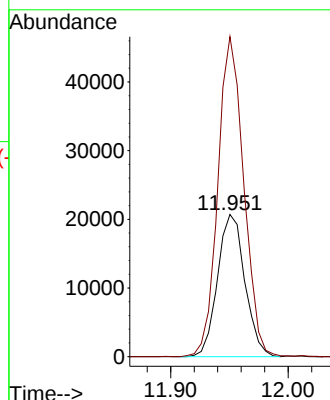
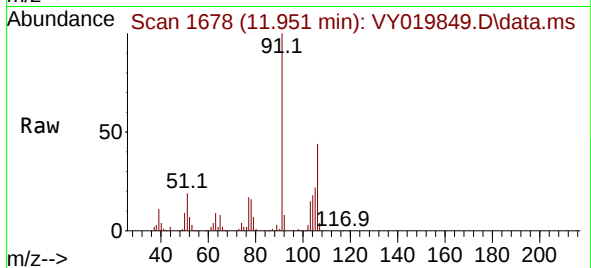
LOQ-SOIL-02-QT4-2024

Tgt Ion:106 Resp: 33485

Ion Ratio Lower Upper

106 100

91 213.2 109.5 328.4



#70

Styrene

Concen: 3.937 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

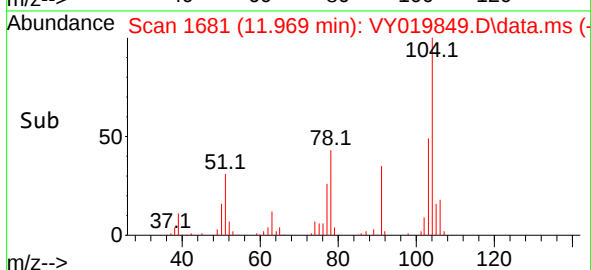
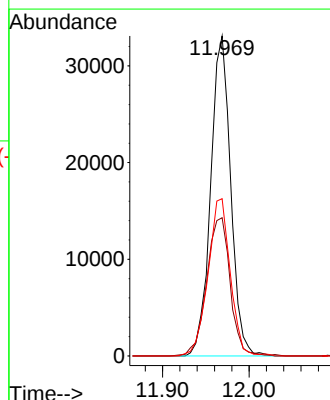
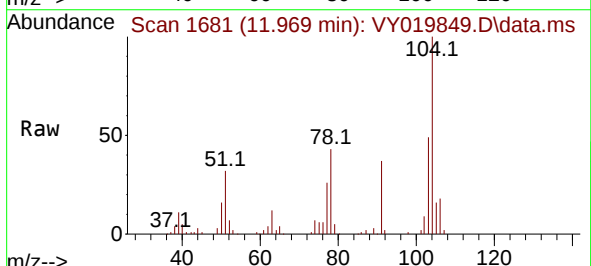
Tgt Ion:104 Resp: 53247

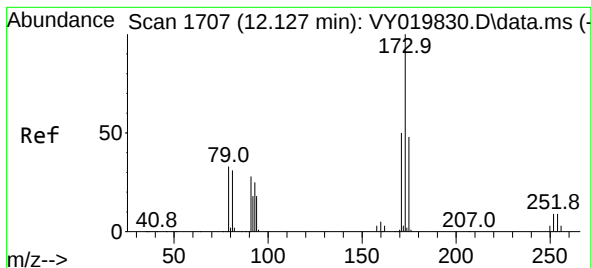
Ion Ratio Lower Upper

104 100

78 50.7 41.9 62.9

103 54.5 43.7 65.5





#71

Bromoform

Concen: 3.731 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

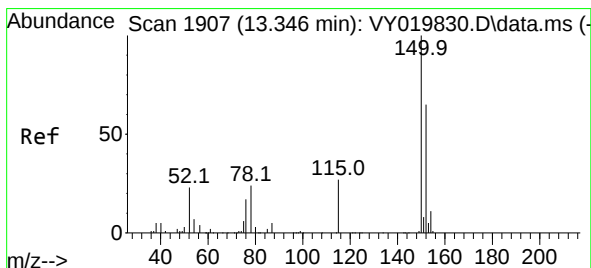
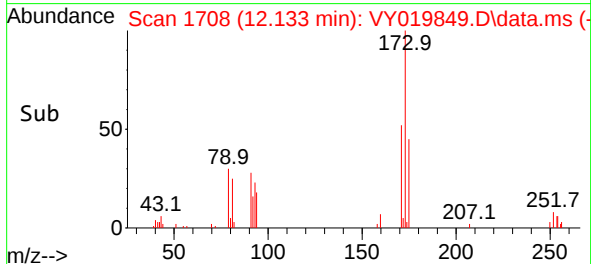
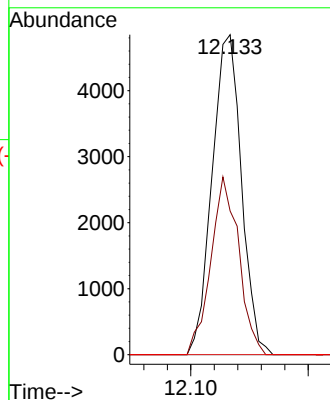
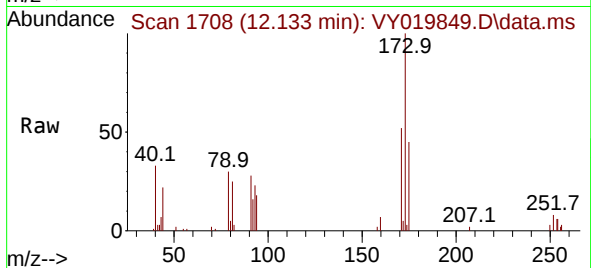
Tgt Ion:173 Resp: 8404

Ion Ratio Lower Upper

173 100

175 53.0 23.6 71.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

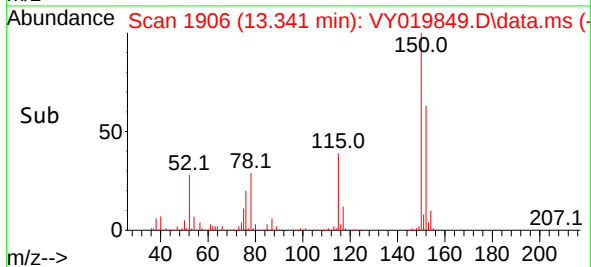
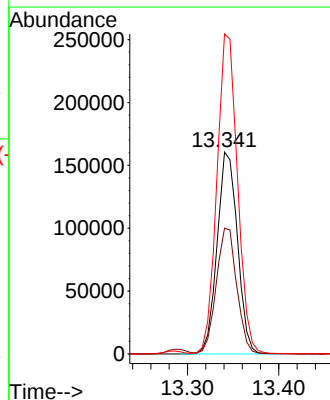
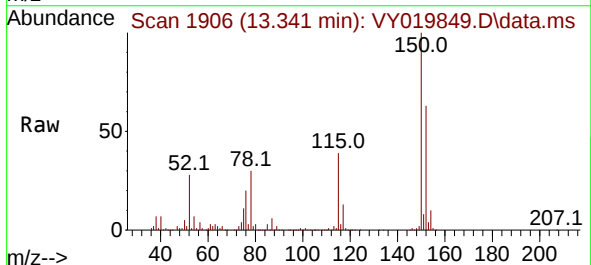
Tgt Ion:152 Resp: 249257

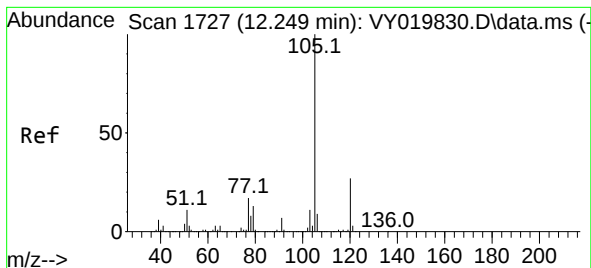
Ion Ratio Lower Upper

152 100

115 62.7 30.8 92.3

150 159.9 0.0 352.8





#73

Isopropylbenzene

Concen: 4.123 ug/l

RT: 12.249 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

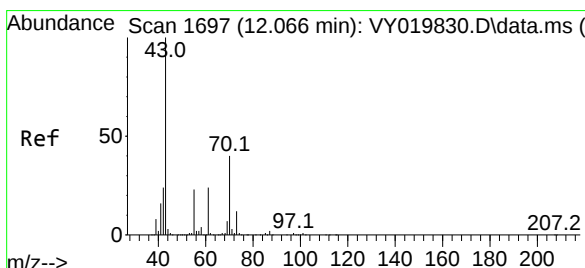
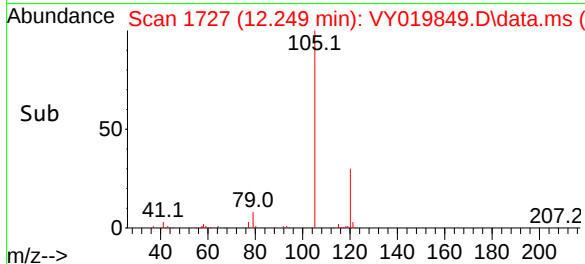
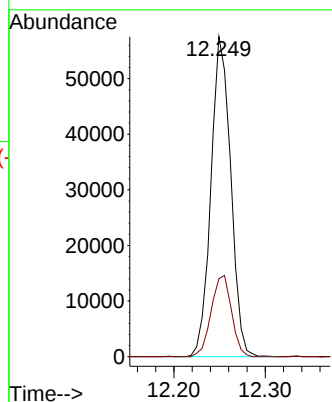
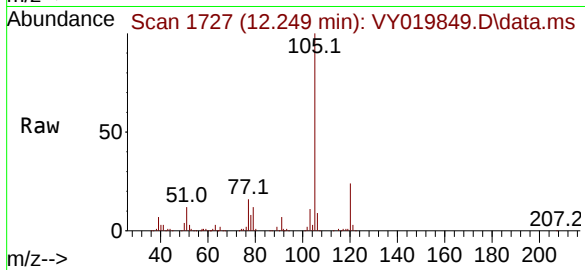
LOQ-SOIL-02-QT4-2024

Tgt Ion:105 Resp: 86444

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



#74

N-ethyl acetate

Concen: 3.717 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Tgt Ion: 43 Resp: 20638

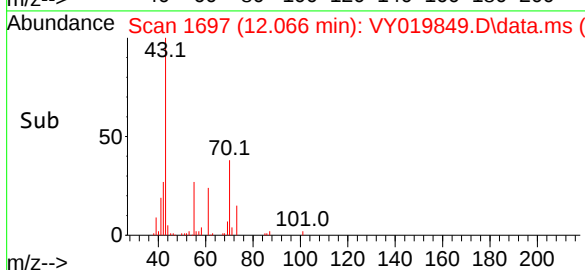
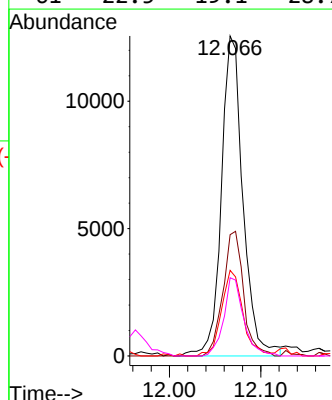
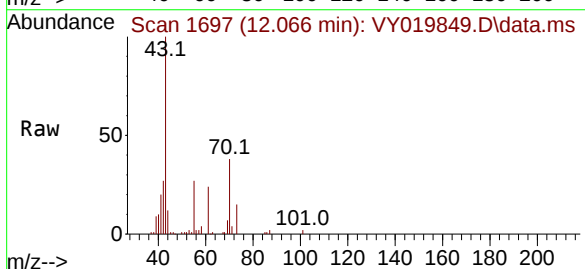
Ion Ratio Lower Upper

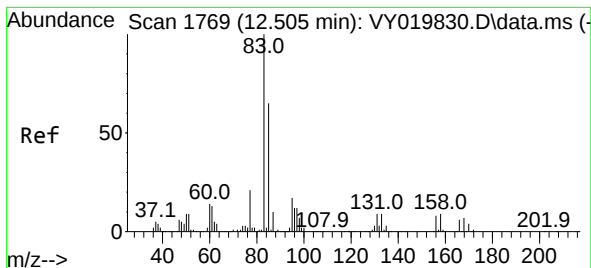
43 100

70 37.1 32.8 49.2

55 26.3 19.3 28.9

61 22.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 4.255 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. -0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

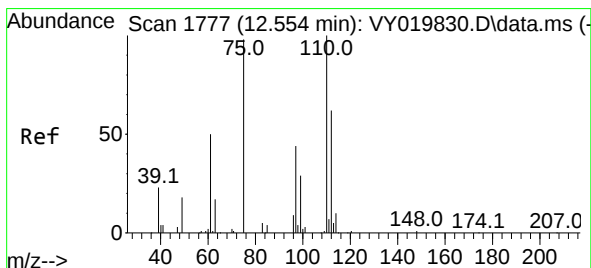
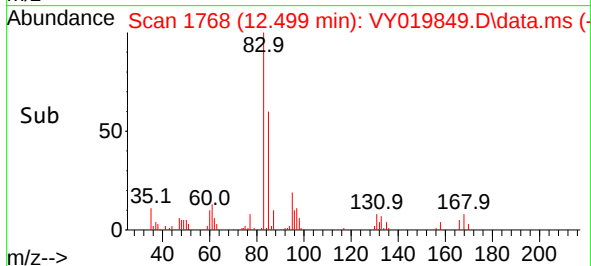
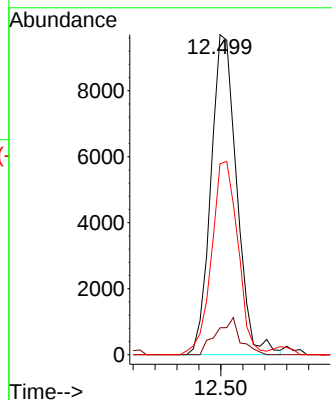
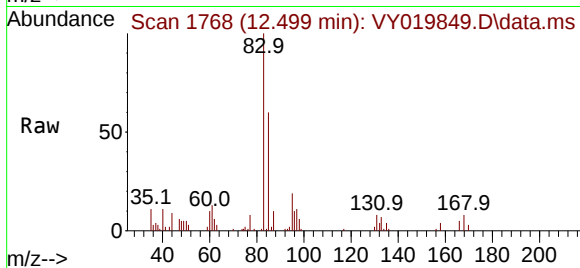
Tgt Ion: 83 Resp: 15853

Ion Ratio Lower Upper

83 100

131 10.7 4.9 14.6

85 61.7 31.7 95.1



#76

1,2,3-Trichloropropane

Concen: 3.970 ug/l m

RT: 12.548 min Scan# 1776

Delta R.T. -0.006 min

Lab File: VY019849.D

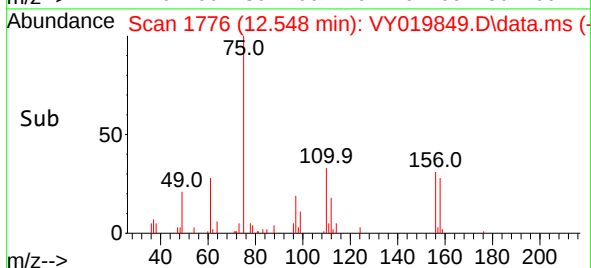
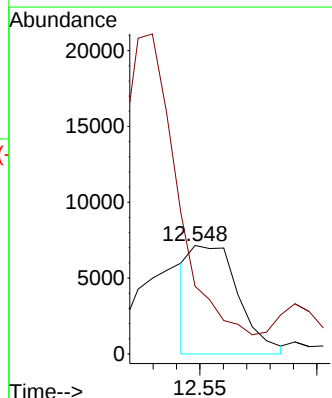
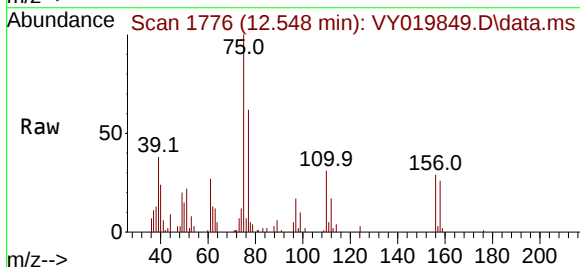
Acq: 10 Oct 2024 12:13

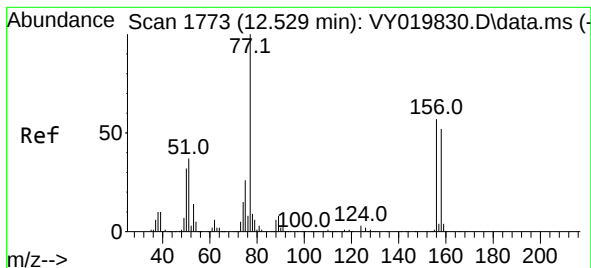
Tgt Ion: 75 Resp: 10303

Ion Ratio Lower Upper

75 100

77 371.3 0.0 0.0#





#77

Bromobenzene

Concen: 4.055 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

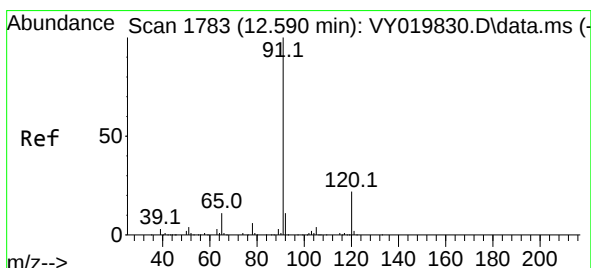
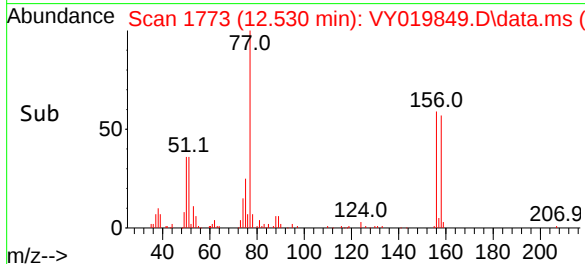
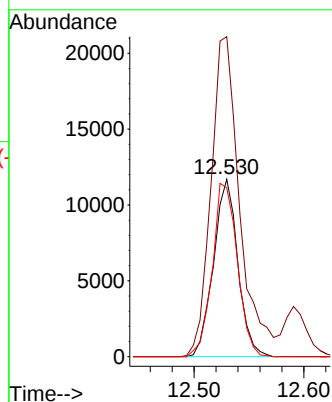
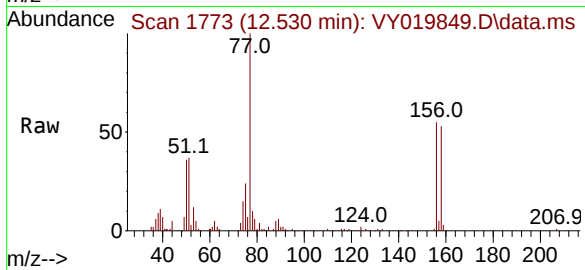
Tgt Ion:156 Resp: 18042

Ion Ratio Lower Upper

156 100

77 212.0 101.3 303.9

158 100.3 47.9 143.6



#78

n-propylbenzene

Concen: 4.220 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY019849.D

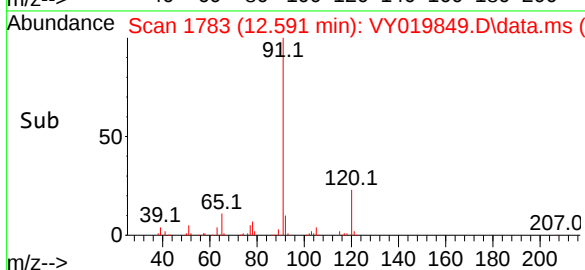
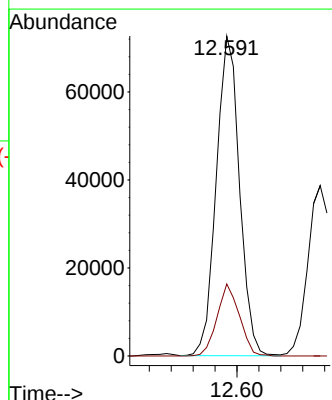
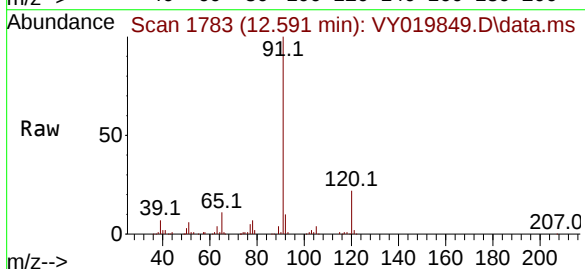
Acq: 10 Oct 2024 12:13

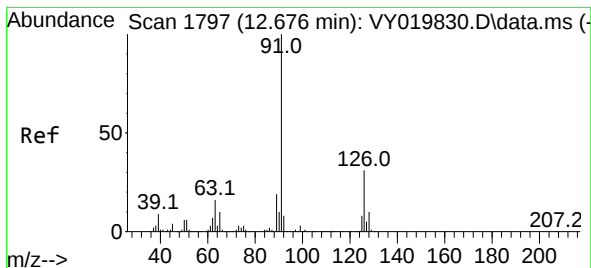
Tgt Ion: 91 Resp: 106907

Ion Ratio Lower Upper

91 100

120 21.7 10.8 32.4

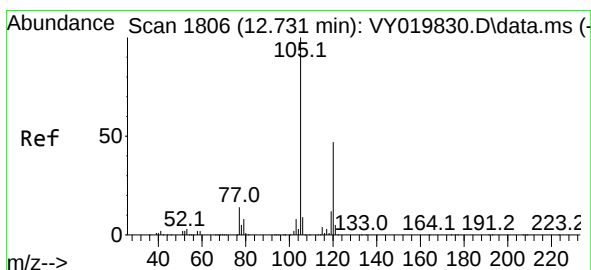
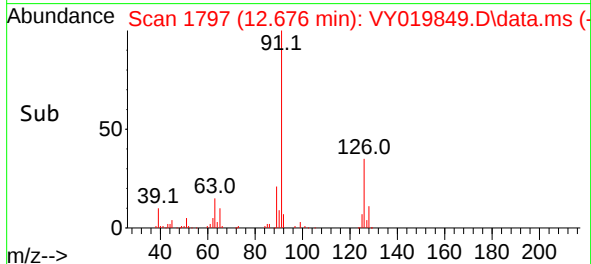
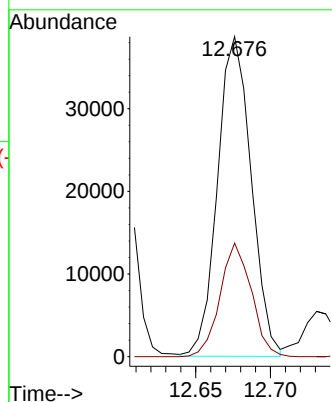
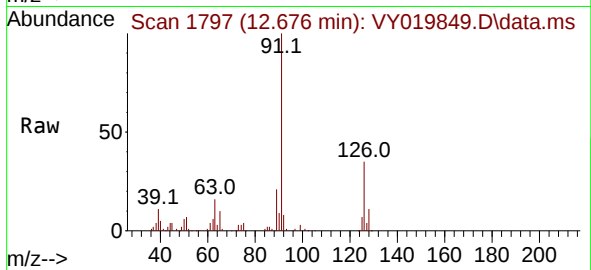




#79
2-Chlorotoluene
Concen: 4.173 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

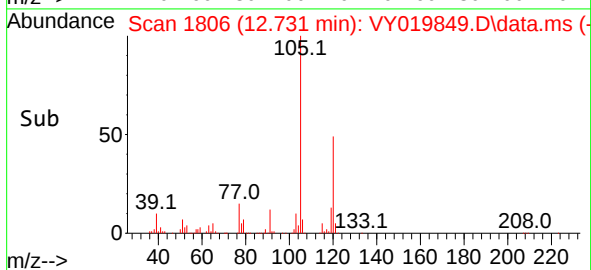
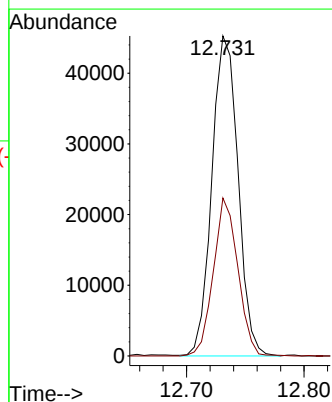
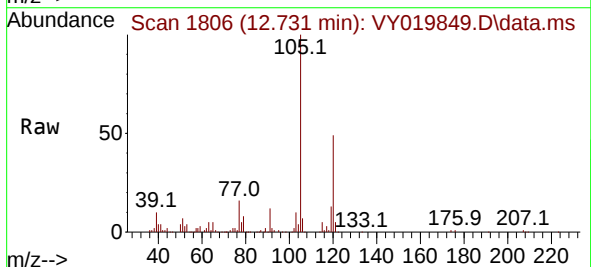
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

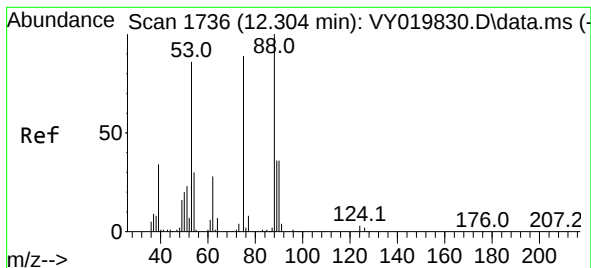
Tgt Ion: 91 Resp: 60613
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.2



#80
1,3,5-Trimethylbenzene
Concen: 4.141 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 105 Resp: 70114
Ion Ratio Lower Upper
105 100
120 46.2 23.8 71.5

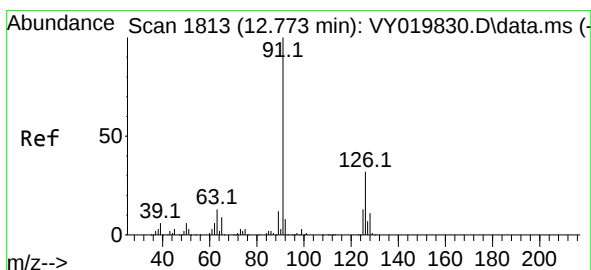
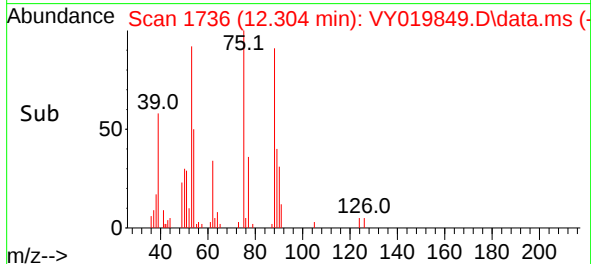
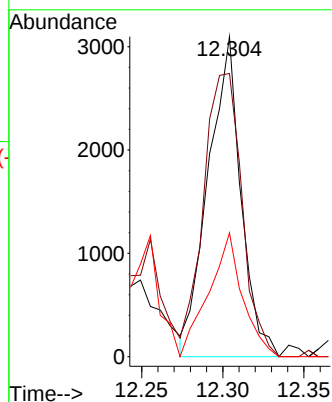
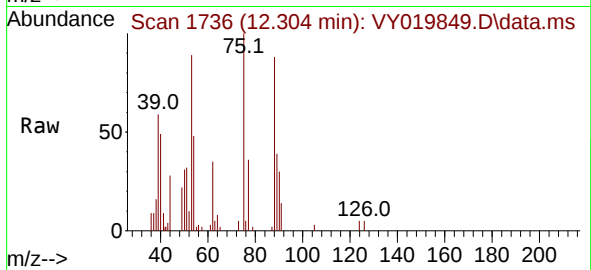




#81
trans-1,4-Dichloro-2-butene
Concen: 3.588 ug/l m
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

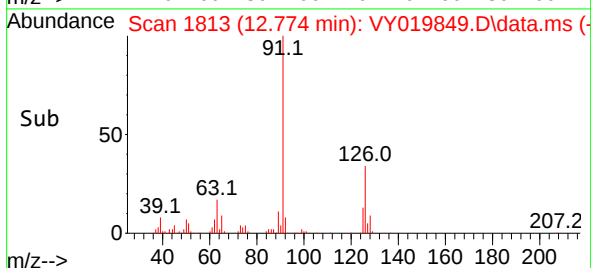
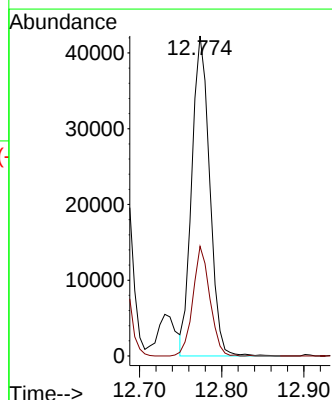
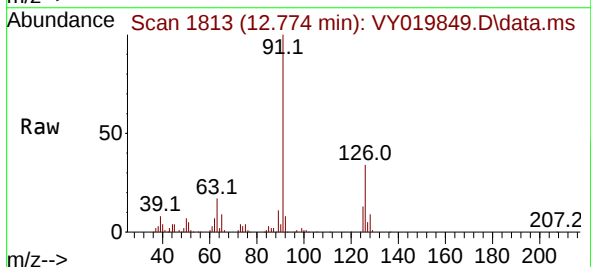
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

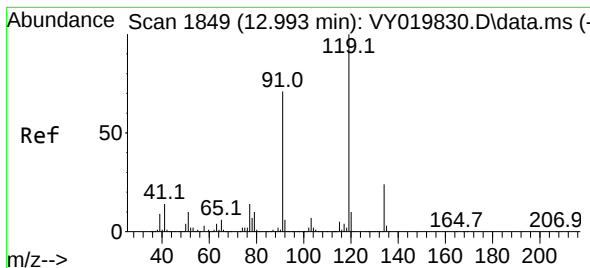
Tgt Ion: 75 Resp: 4340
Ion Ratio Lower Upper
75 100
53 0.0 84.7 127.1#
89 3.8 35.4 53.2#



#82
4-Chlorotoluene
Concen: 4.286 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion: 91 Resp: 63654
Ion Ratio Lower Upper
91 100
126 32.6 16.1 48.3





#83

tert-Butylbenzene

Concen: 4.058 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

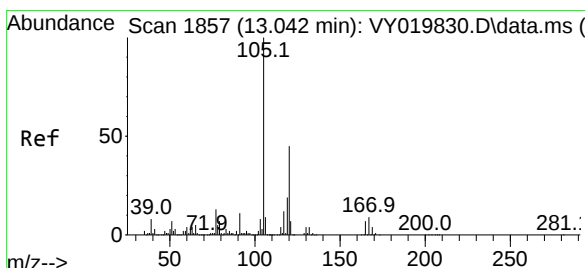
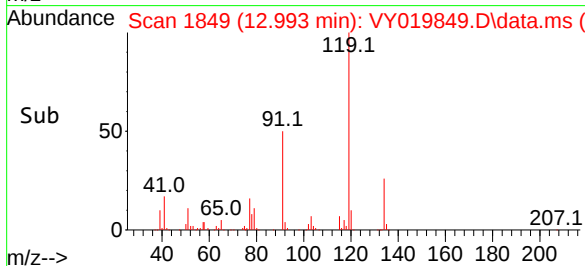
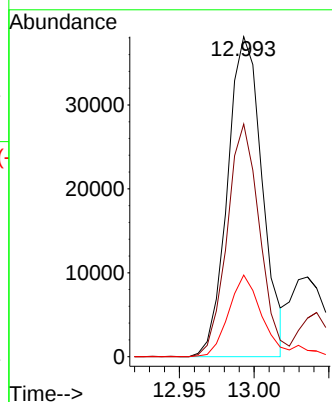
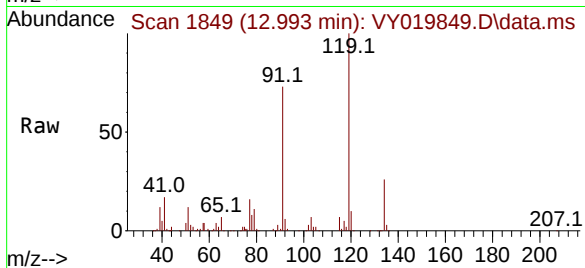
Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:	119	Resp:	61556
Ion Ratio	Lower	Upper	
119	100		
91	68.3	34.6	103.8
134	24.1	13.2	39.6



#84

1,2,4-Trimethylbenzene

Concen: 4.022 ug/l

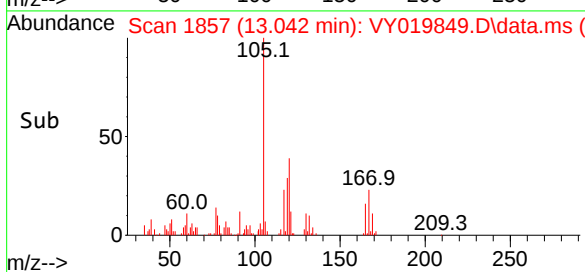
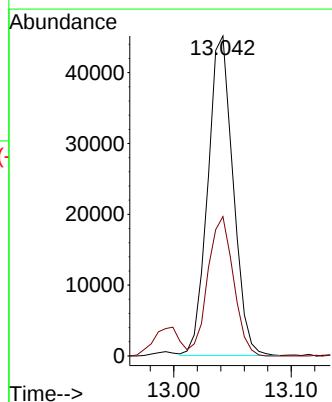
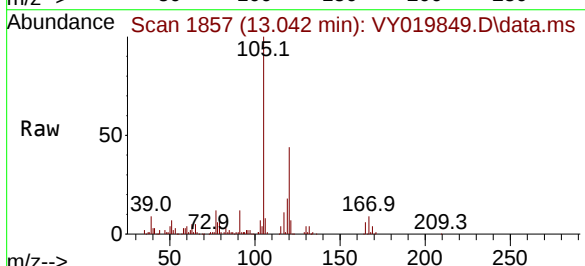
RT: 13.042 min Scan# 1857

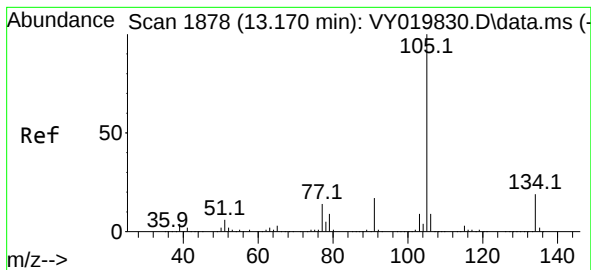
Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Tgt Ion:	105	Resp:	67521
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.1	66.3





#85

sec-Butylbenzene

Concen: 4.062 ug/l

RT: 13.170 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

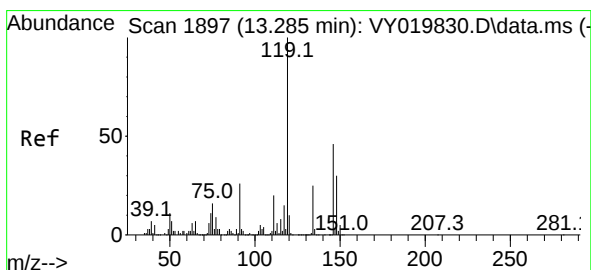
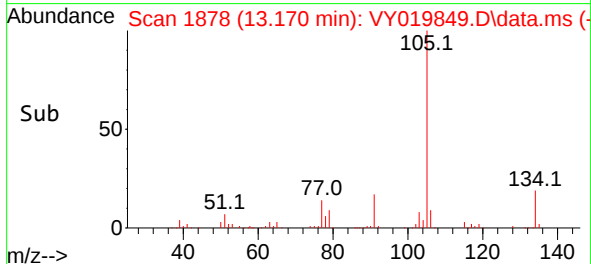
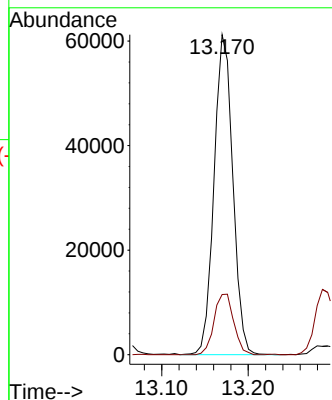
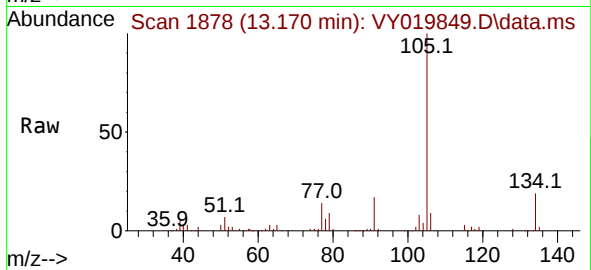
LOQ-SOIL-02-QT4-2024

Tgt Ion:105 Resp: 92058

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.3



#86

p-Isopropyltoluene

Concen: 4.038 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

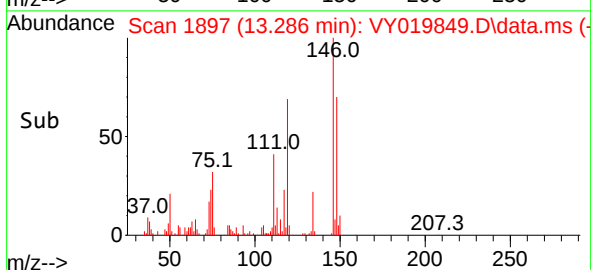
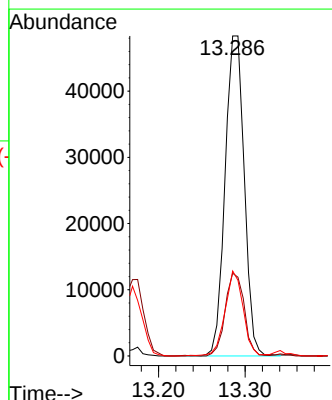
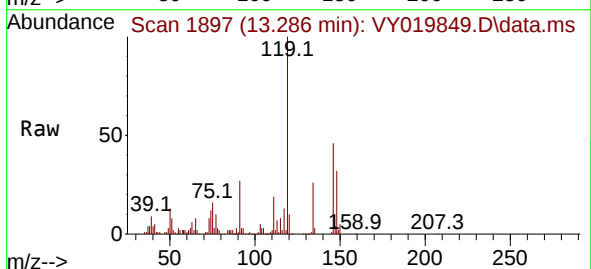
Tgt Ion:119 Resp: 74314

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 25.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 4.035 ug/l

RT: 13.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

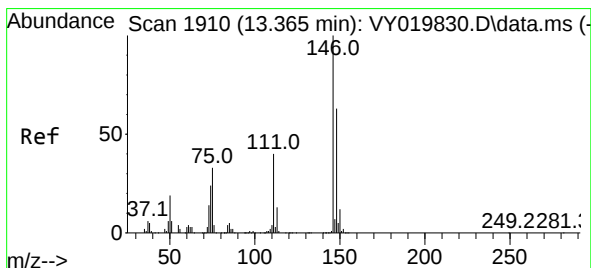
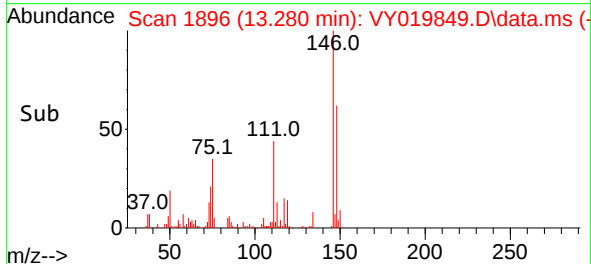
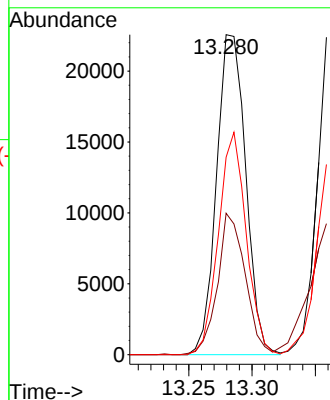
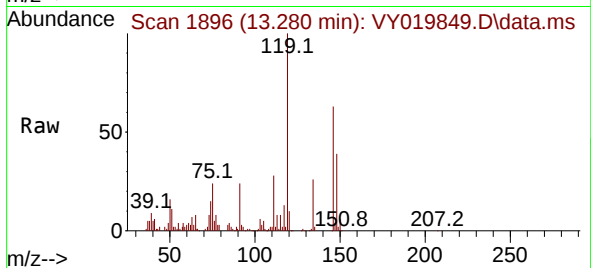
Tgt Ion:146 Resp: 36249

Ion Ratio Lower Upper

146 100

111 41.9 21.1 63.1

148 66.2 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 4.287 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

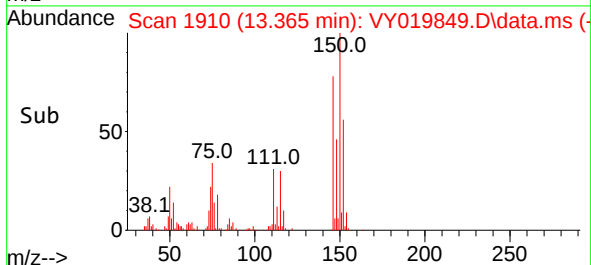
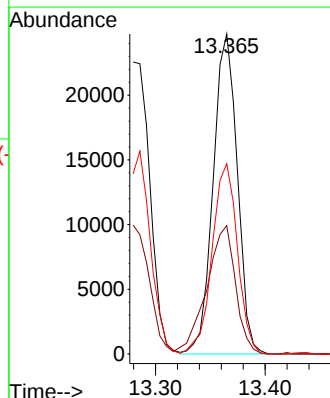
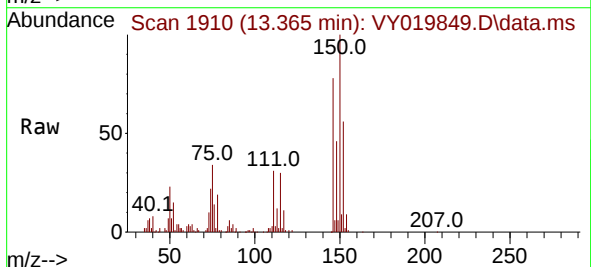
Tgt Ion:146 Resp: 37837

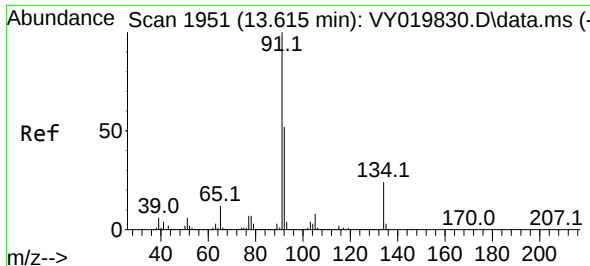
Ion Ratio Lower Upper

146 100

111 48.1 20.3 61.0

148 62.4 32.0 96.0

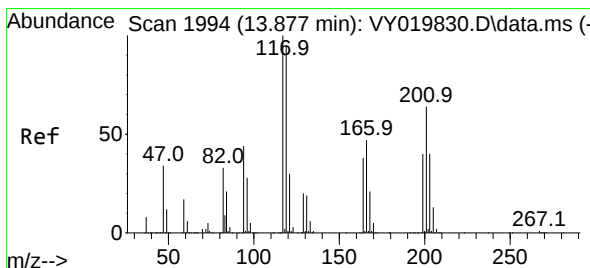
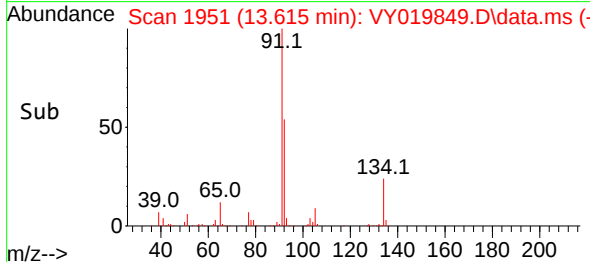
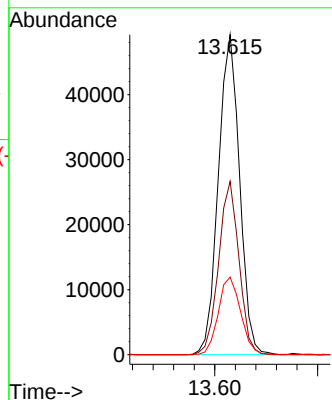
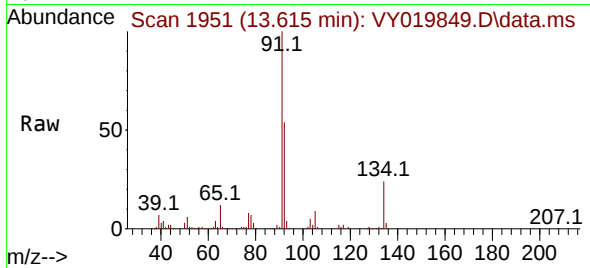




#89
n-Butylbenzene
Concen: 3.920 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

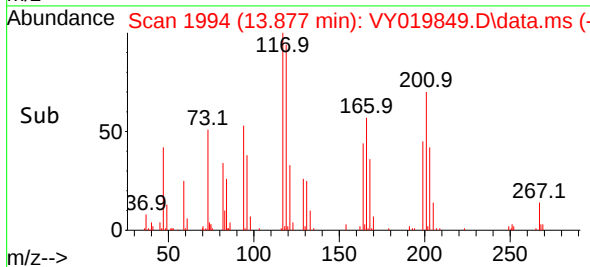
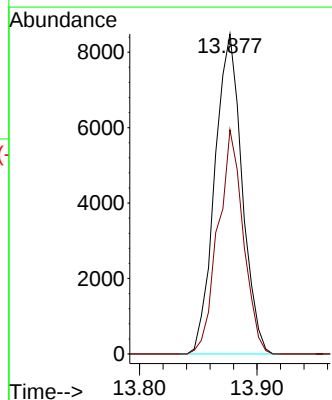
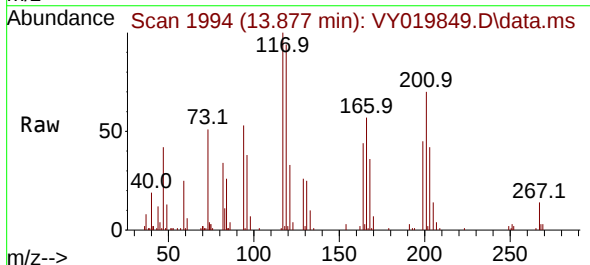
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2024

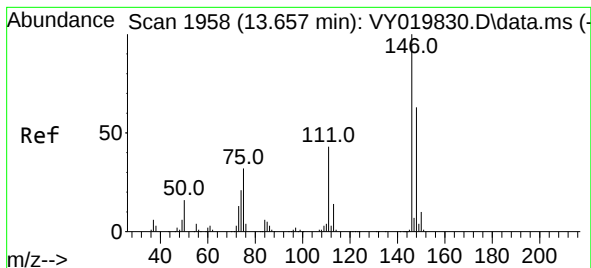
Tgt Ion:	91	Resp:	70431
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.5	79.4
134	25.4	12.0	36.1



#90
Hexachloroethane
Concen: 3.820 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY019849.D
Acq: 10 Oct 2024 12:13

Tgt Ion:	117	Resp:	13688
Ion	Ratio	Lower	Upper
117	100		
201	64.9	33.1	99.5





#91

1,2-Dichlorobenzene

Concen: 3.974 ug/l

RT: 13.658 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

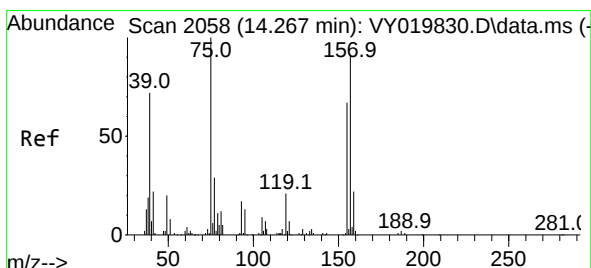
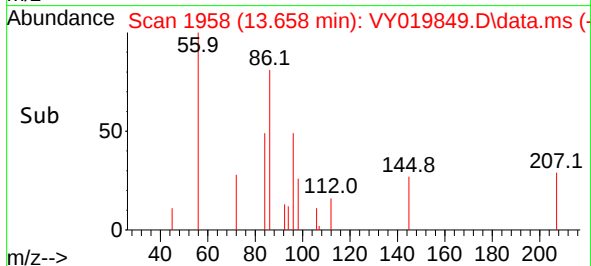
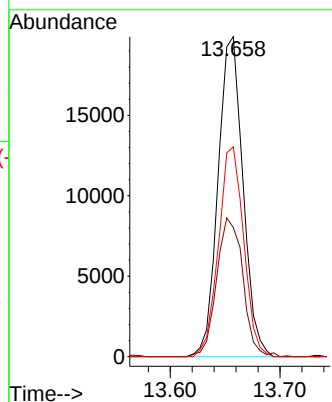
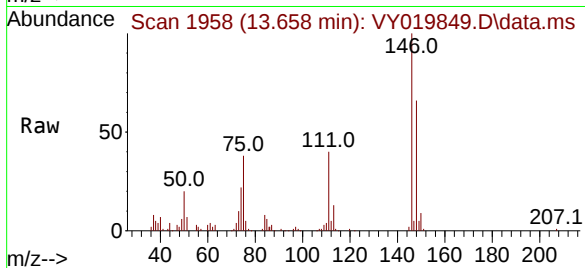
Tgt Ion:146 Resp: 31372

Ion Ratio Lower Upper

146 100

111 45.6 21.8 65.3

148 66.3 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.944 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

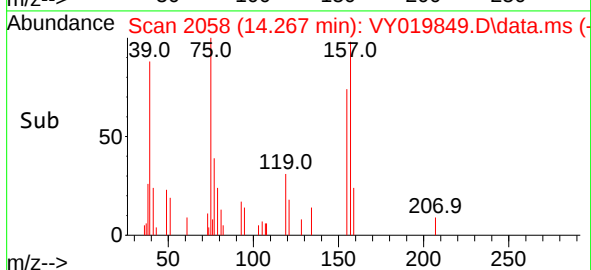
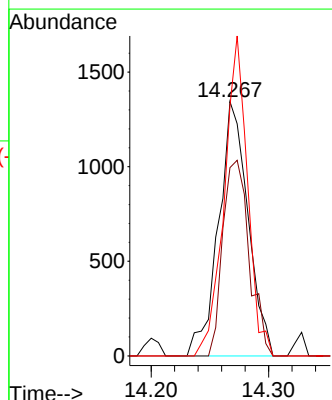
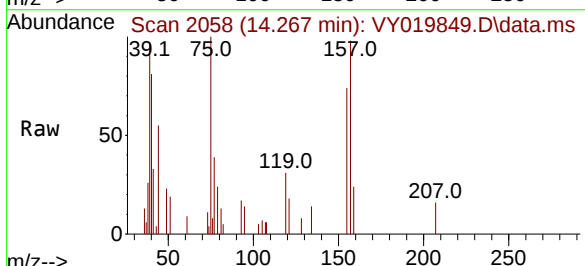
Tgt Ion: 75 Resp: 2345

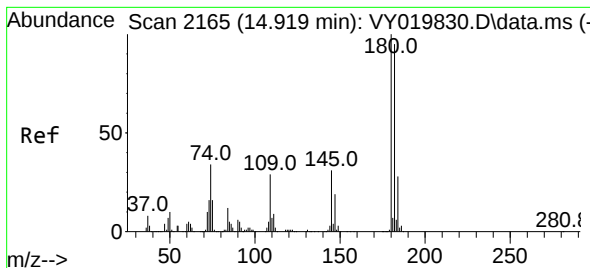
Ion Ratio Lower Upper

75 100

155 69.0 38.5 115.5

157 99.2 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 3.575 ug/l

RT: 14.913 min Scan# 2165

Delta R.T. -0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

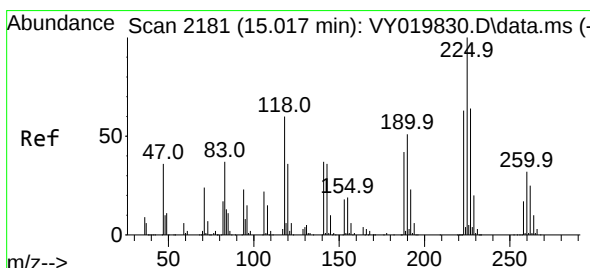
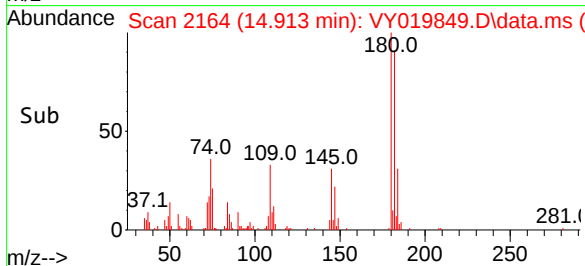
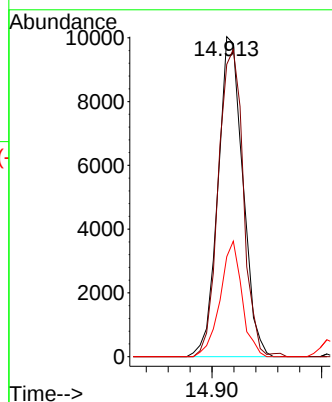
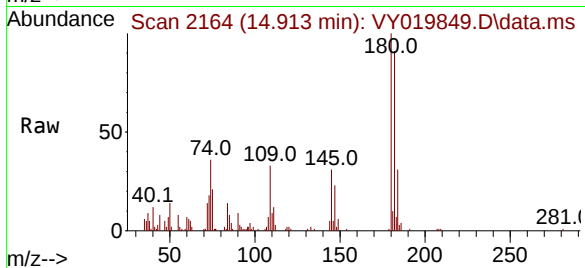
Tgt Ion:180 Resp: 15825

Ion Ratio Lower Upper

180 100

182 96.1 47.4 142.3

145 31.6 16.1 48.2



#94

Hexachlorobutadiene

Concen: 3.823 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

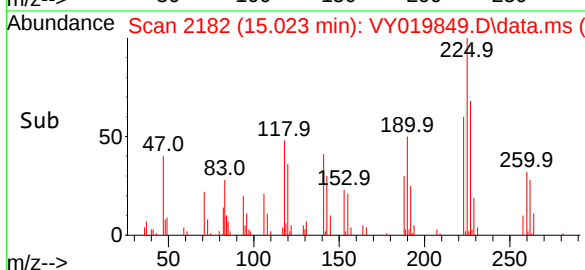
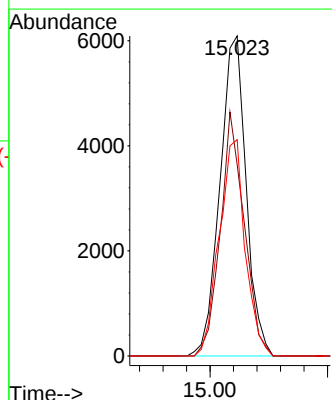
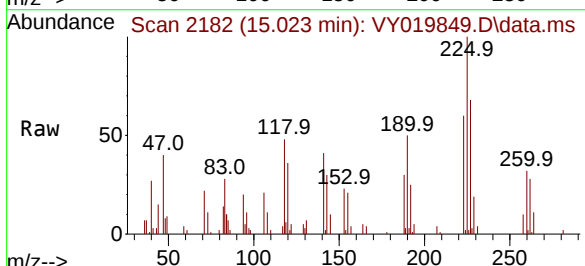
Tgt Ion:225 Resp: 9409

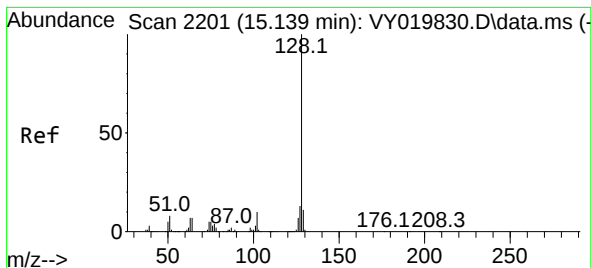
Ion Ratio Lower Upper

225 100

223 69.6 31.6 94.8

227 67.1 32.3 96.8





#95

Naphthalene

Concen: 3.401 ug/l

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2024

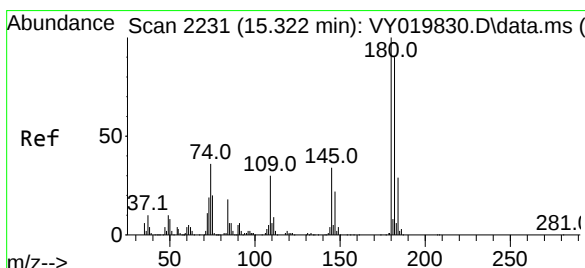
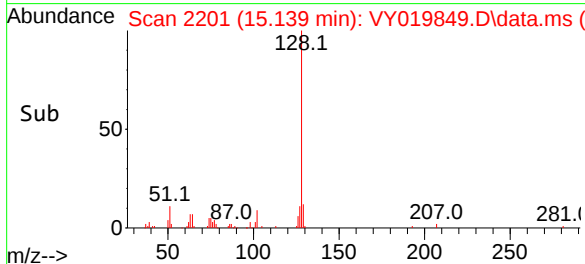
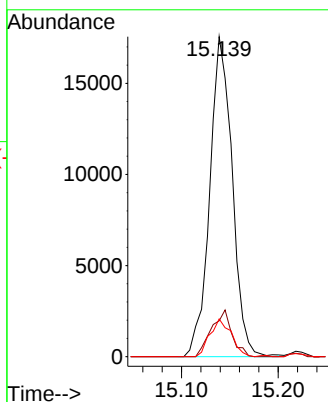
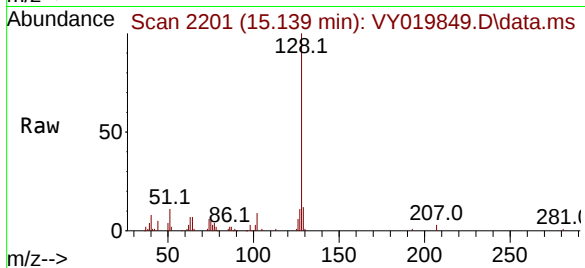
Tgt Ion:128 Resp: 28391

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.2 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 3.751 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY019849.D

Acq: 10 Oct 2024 12:13

Tgt Ion:180 Resp: 14035

Ion Ratio Lower Upper

180 100

182 92.4 46.8 140.4

145 30.0 16.9 50.6

