

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
 Data File : VY018257.D
 Acq On : 14 May 2024 14:47
 Operator : SY/MD
 Sample : P2403-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: May 15 05:27:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:17:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	168767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	301516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	256660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109245	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79847	64.311	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.620%	
35) Dibromofluoromethane	7.716	113	89668	56.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.180%	
50) Toluene-d8	10.179	98	359423	57.560	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.120%	
62) 4-Bromofluorobenzene	12.483	95	108492	53.801	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.600%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	4721	3.527	ug/l	97
3) Chloromethane	2.113	50	7425	4.144	ug/l	92
4) Vinyl Chloride	2.247	62	8157	3.756	ug/l	100
5) Bromomethane	2.643	94	6686	4.433	ug/l	95
6) Chloroethane	2.784	64	5567	4.039	ug/l	96
7) Trichlorofluoromethane	3.119	101	8674	3.410	ug/l	90
8) Diethyl Ether	3.515	74	2865	3.421	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	5377	3.317	ug/l #	92
10) Methyl Iodide	4.082	142	5809	3.068	ug/l	96
11) Tert butyl alcohol	4.917	59	6183	49.822	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	5514	3.378	ug/l #	79
13) Acrolein	3.716	56	2145	16.028	ug/l #	74
14) Allyl chloride	4.472	41	7554	3.638	ug/l	99
15) Acrylonitrile	5.149	53	5896	18.308	ug/l #	92
16) Acetone	3.942	43	5914	23.869	ug/l	97
17) Carbon Disulfide	4.192	76	17051	3.837	ug/l	97
18) Methyl Acetate	4.466	43	2970	4.208	ug/l	96
19) Methyl tert-butyl Ether	5.210	73	12915	3.552	ug/l	95
20) Methylene Chloride	4.710	84	18857	10.768	ug/l	95
21) trans-1,2-Dichloroethene	5.204	96	6421	3.711	ug/l #	80
22) Diisopropyl ether	6.112	45	15590	3.540	ug/l	97
23) Vinyl Acetate	6.051	43	45896	17.144	ug/l	98
24) 1,1-Dichloroethane	6.003	63	9541	3.517	ug/l #	84
25) 2-Butanone	6.978	43	7130	18.003	ug/l	90
26) 2,2-Dichloropropane	6.972	77	9391	3.825	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	7322	3.581	ug/l	96
28) Bromochloromethane	7.325	49	3383	3.120	ug/l #	97
29) Tetrahydrofuran	7.338	42	4815	18.418	ug/l	96
30) Chloroform	7.502	83	10062	3.553	ug/l	94
31) Cyclohexane	7.783	56	11494	4.463	ug/l #	69
32) 1,1,1-Trichloroethane	7.697	97	8271	3.258	ug/l	91
36) 1,1-Dichloropropene	7.911	75	7949	3.499	ug/l	98
37) Ethyl Acetate	7.069	43	2422	2.533	ug/l #	75
38) Carbon Tetrachloride	7.899	117	7581	3.054	ug/l #	84
39) Methylcyclohexane	9.185	83	9611	2.933	ug/l	90
40) Benzene	8.155	78	23824	3.260	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	5088	9.216	ug/l #	15
42) 1,2-Dichloroethane	8.234	62	5527	3.476	ug/l	89
43) Isopropyl Acetate	8.270	43	6858	3.499	ug/l	96
44) Trichloroethene	8.935	130	6435	3.235	ug/l	92
45) 1,2-Dichloropropane	9.215	63	5129	3.211	ug/l	94
46) Dibromomethane	9.301	93	2981	3.246	ug/l	98
47) Bromodichloromethane	9.496	83	7258	3.197	ug/l	87
48) Methyl methacrylate	9.289	41	3187	3.548	ug/l	86
49) 1,4-Dioxane	9.307	88	751	61.607	ug/l #	98
51) 4-Methyl-2-Pentanone	10.063	43	16079	16.324	ug/l	97
52) Toluene	10.246	92	15714	3.340	ug/l	92
53) t-1,3-Dichloropropene	10.465	75	6136	2.893	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	8022	3.095	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	3999	3.170	ug/l	92
56) Ethyl methacrylate	10.514	69	5166	3.015	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	6407	3.120	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	13908	16.999	ug/l	100
59) 2-Hexanone	10.831	43	10557	15.328	ug/l	90
60) Dibromochloromethane	10.983	129	4681	2.860	ug/l	99
61) 1,2-Dibromoethane	11.087	107	3637	3.061	ug/l	98
64) Tetrachloroethene	10.715	164	5337	3.123	ug/l	92
65) Chlorobenzene	11.514	112	16297	3.118	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	5037	2.979	ug/l	96
67) Ethyl Benzene	11.593	91	27571	3.124	ug/l	96
68) m/p-Xylenes	11.703	106	21692	6.215	ug/l	98
69) o-Xylene	12.026	106	10142	3.028	ug/l	98
70) Styrene	12.044	104	16158	2.889	ug/l	98
71) Bromoform	12.209	173	2487	2.658	ug/l #	89
73) Isopropylbenzene	12.331	105	25763	3.145	ug/l	98
74) N-amyl acetate	12.148	43	5325	3.132	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	3985	3.050	ug/l	92
76) 1,2,3-Trichloropropane	12.629	75	5673	6.488	ug/l #	100
77) Bromobenzene	12.611	156	6090	3.237	ug/l	93
78) n-propylbenzene	12.672	91	30474	3.199	ug/l	99
79) 2-Chlorotoluene	12.757	91	17530	3.311	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	20125	3.116	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	56773	125.089	ug/l #	16
82) 4-Chlorotoluene	12.855	91	17392	3.271	ug/l	94
83) tert-Butylbenzene	13.074	119	18737	3.145	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	20073	3.173	ug/l	99
85) sec-Butylbenzene	13.251	105	27305	3.125	ug/l	99
86) p-Isopropyltoluene	13.367	119	21675	3.015	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	11178	3.076	ug/l	95
88) 1,4-Dichlorobenzene	13.446	146	11434	3.228	ug/l	91
89) n-Butylbenzene	13.696	91	18769	2.885	ug/l	95
90) Hexachloroethane	13.958	117	3778	2.679	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	9615	3.078	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.361	75	506	2.844	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	4689	2.670	ug/l	98
94) Hexachlorobutadiene	15.111	225	2700	2.787	ug/l	96
95) Naphthalene	15.233	128	8450	2.626	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	4224	2.931	ug/l	93

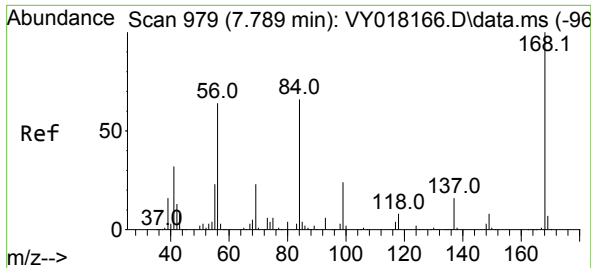
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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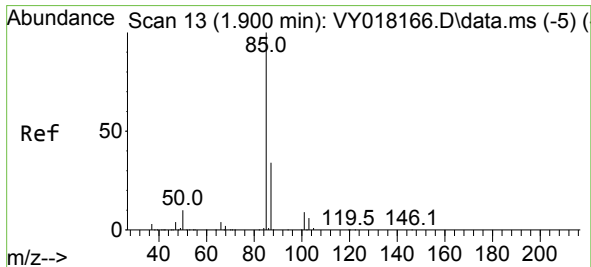
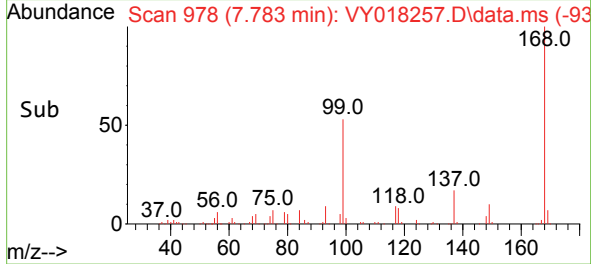
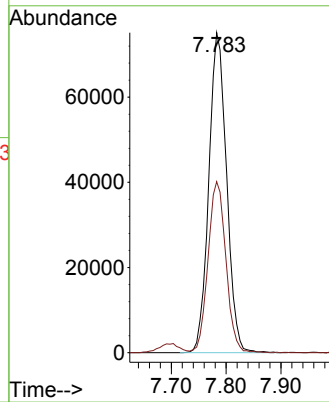
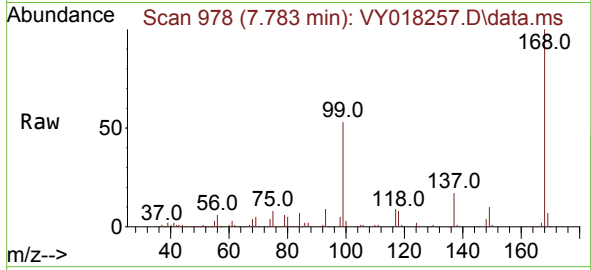
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018257.D
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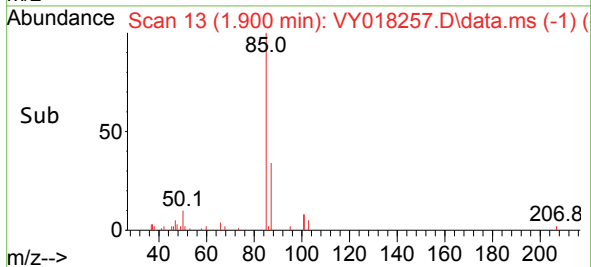
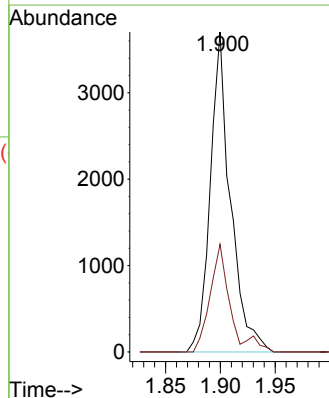
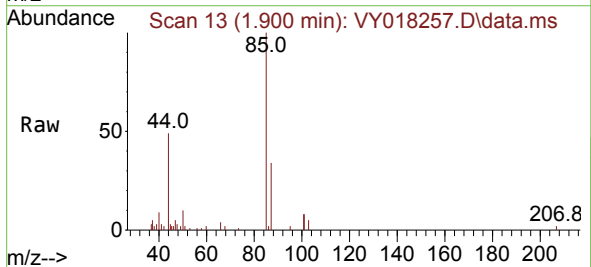
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ClientSampleId :
LOQ-SOIL-02-QT2-2024

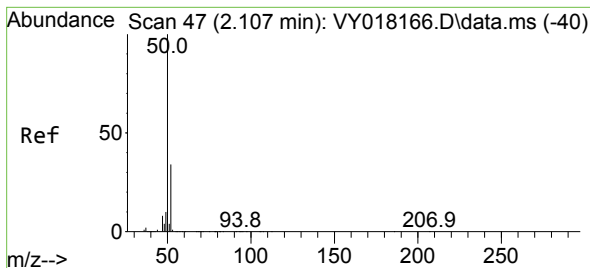
Tgt Ion:168 Resp: 168767
Ion Ratio Lower Upper
168 100
99 53.4 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 3.527 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 85 Resp: 4721
Ion Ratio Lower Upper
85 100
87 33.6 16.0 48.0





#3

Chloromethane

Concen: 4.144 ug/l

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

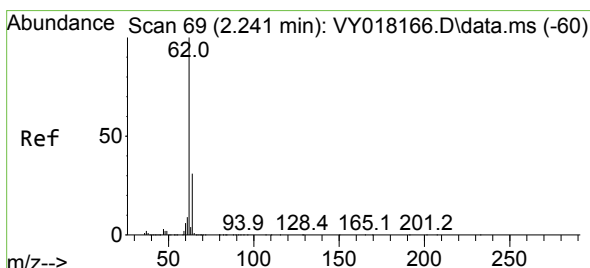
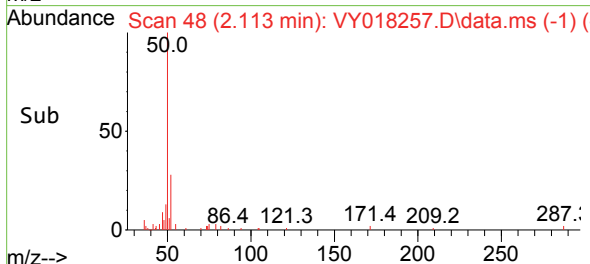
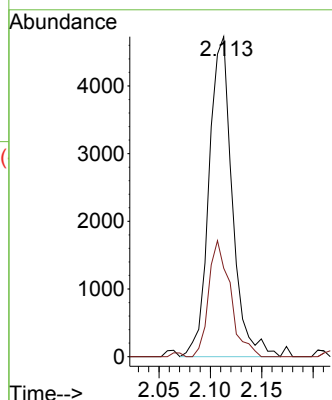
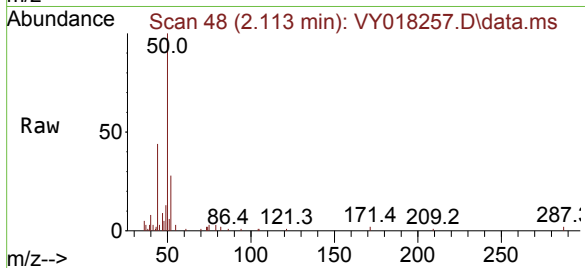
LOQ-SOIL-02-QT2-2024

Tgt Ion: 50 Resp: 7425

Ion Ratio Lower Upper

50 100

52 27.7 25.6 38.4



#4

Vinyl Chloride

Concen: 3.756 ug/l

RT: 2.247 min Scan# 70

Delta R.T. 0.006 min

Lab File: VY018257.D

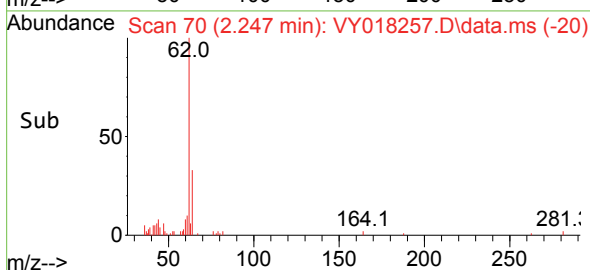
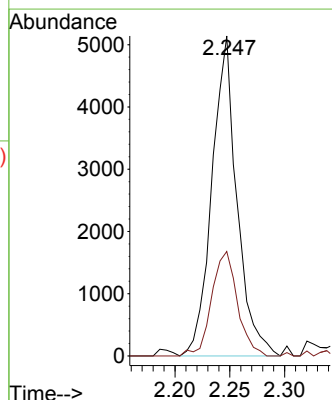
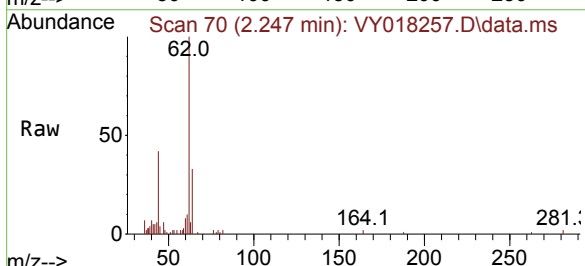
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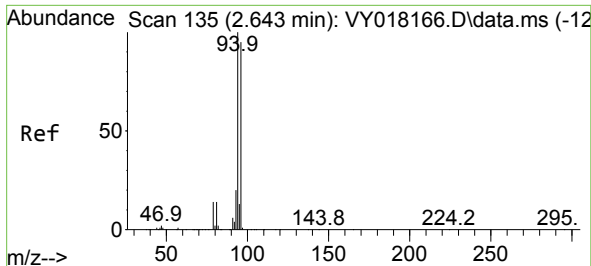
Tgt Ion: 62 Resp: 8157

Ion Ratio Lower Upper

62 100

64 32.6 26.1 39.1





#5

Bromomethane

Concen: 4.433 ug/l

RT: 2.643 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

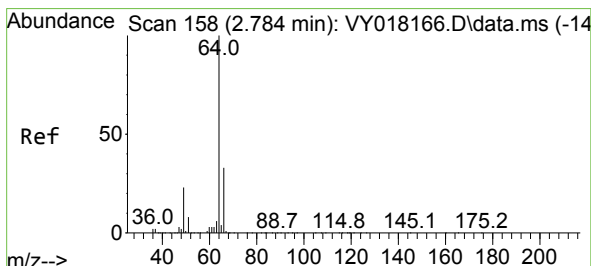
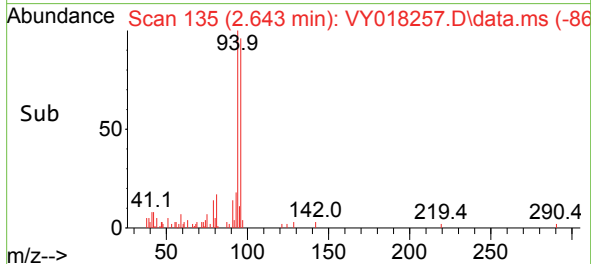
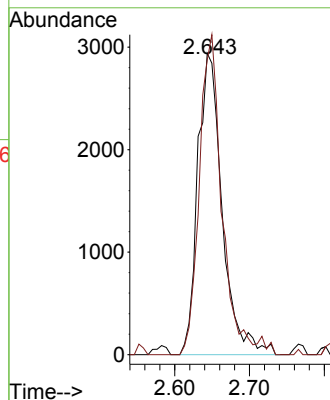
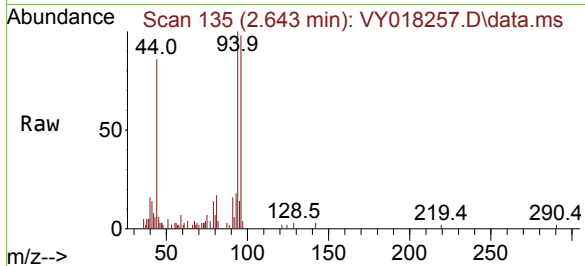
LOQ-SOIL-02-QT2-2024

Tgt Ion: 94 Resp: 6686

Ion Ratio Lower Upper

94 100

96 97.8 74.1 111.1



#6

Chloroethane

Concen: 4.039 ug/l

RT: 2.784 min Scan# 158

Delta R.T. -0.000 min

Lab File: VY018257.D

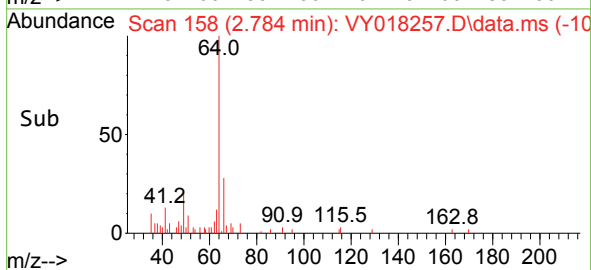
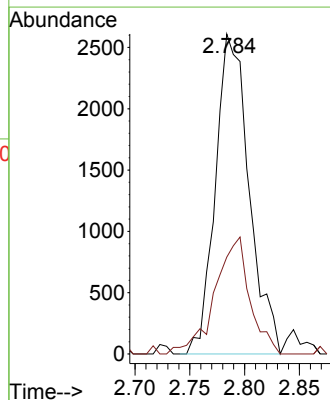
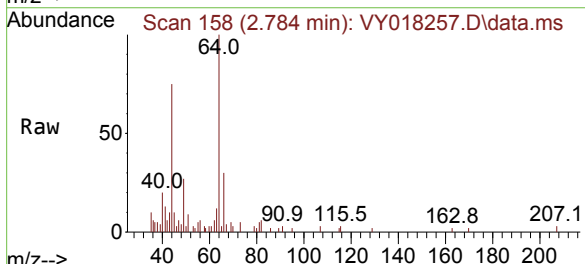
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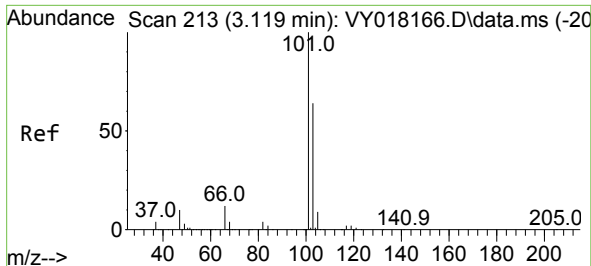
Tgt Ion: 64 Resp: 5567

Ion Ratio Lower Upper

64 100

66 30.3 26.1 39.1

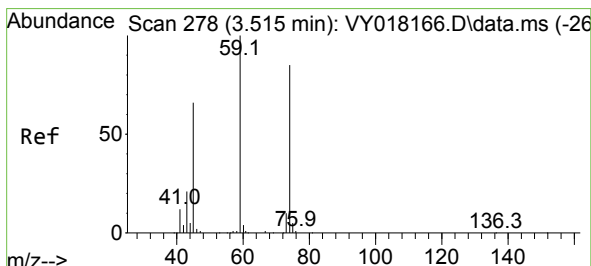
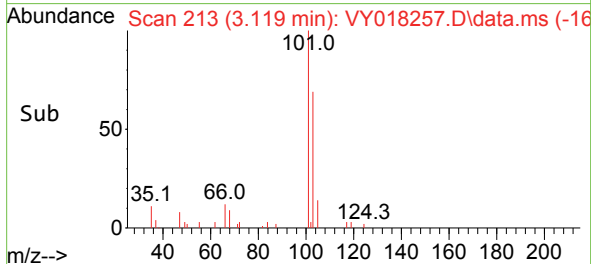
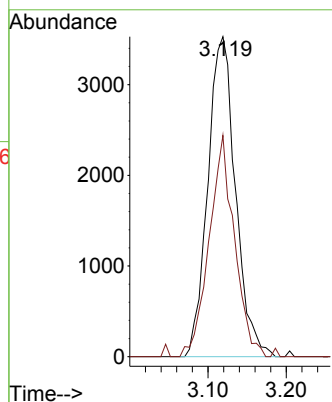
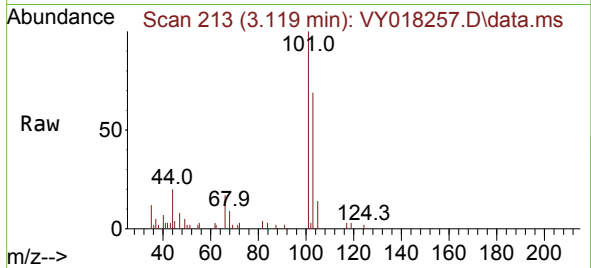




#7
Trichlorofluoromethane
Concen: 3.410 ug/l
RT: 3.119 min Scan# 213
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

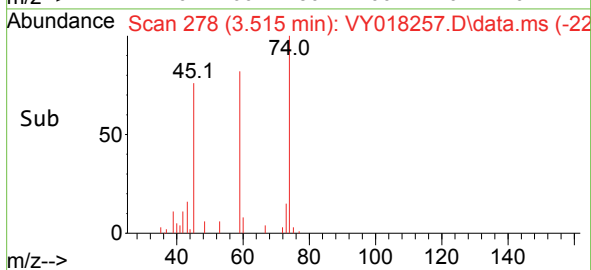
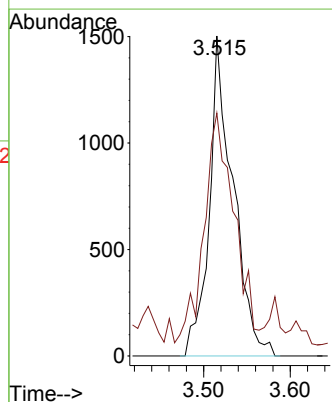
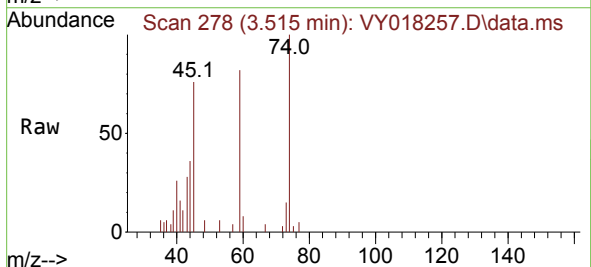
Instrument :
MSVOA_Y
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LOQ-SOIL-02-QT2-2024

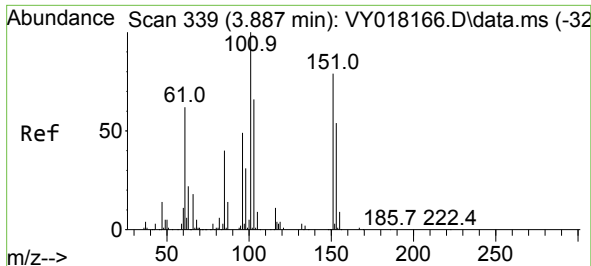
Tgt Ion: 101 Resp: 8674
Ion Ratio Lower Upper
101 100
103 69.1 49.3 73.9



#8
Diethyl Ether
Concen: 3.421 ug/l
RT: 3.515 min Scan# 278
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 74 Resp: 2865
Ion Ratio Lower Upper
74 100
45 90.7 41.3 124.1

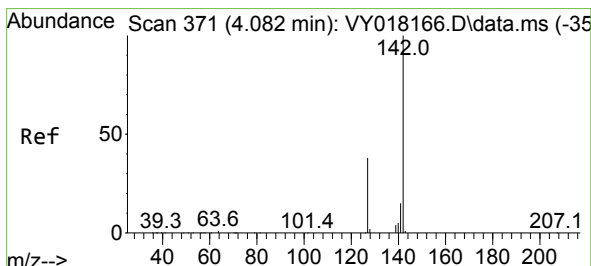
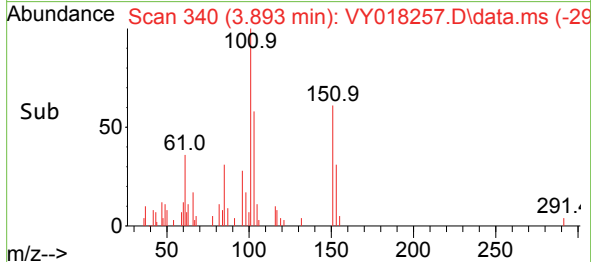
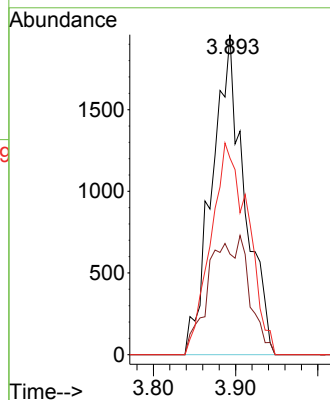
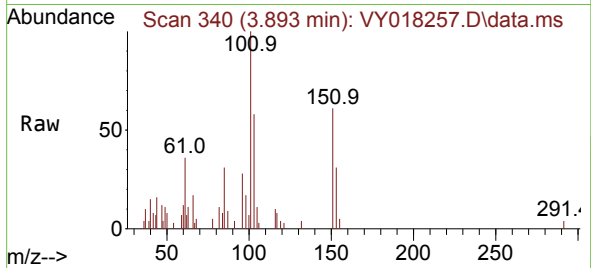




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.317 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

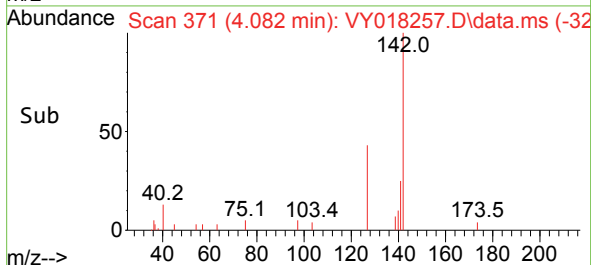
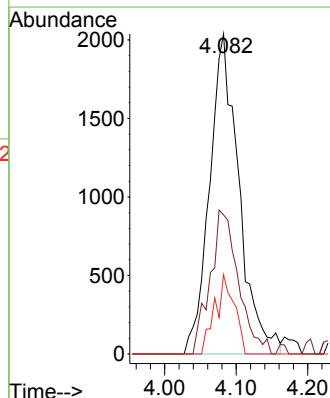
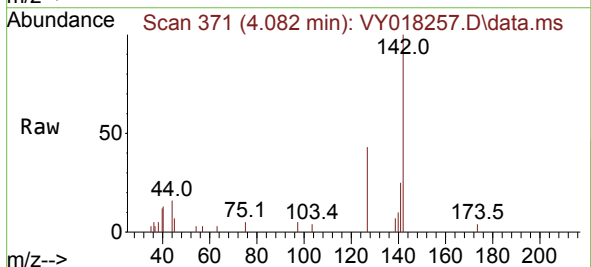
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

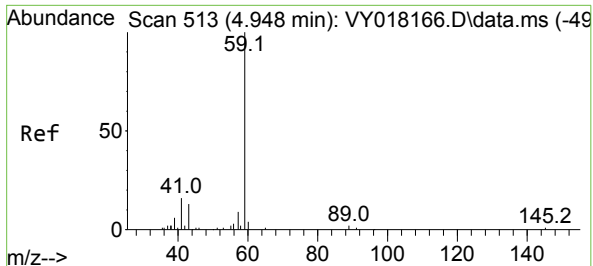
Tgt Ion:101 Resp: 5377
Ion Ratio Lower Upper
101 100
85 30.6 34.5 51.7#
151 76.1 61.7 92.5



#10
Methyl Iodide
Concen: 3.068 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion:142 Resp: 5809
Ion Ratio Lower Upper
142 100
127 43.3 32.8 49.2
141 16.4 11.4 17.2

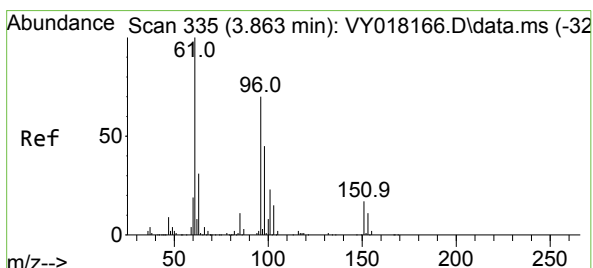
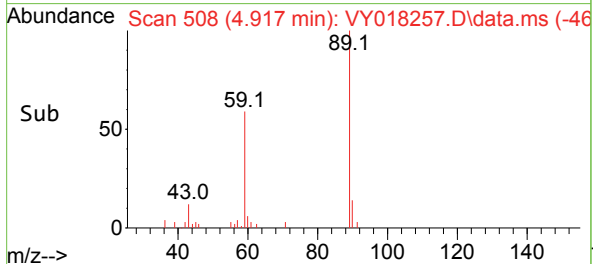
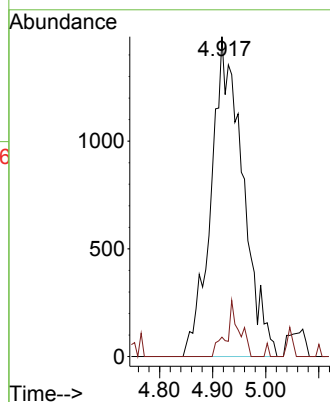
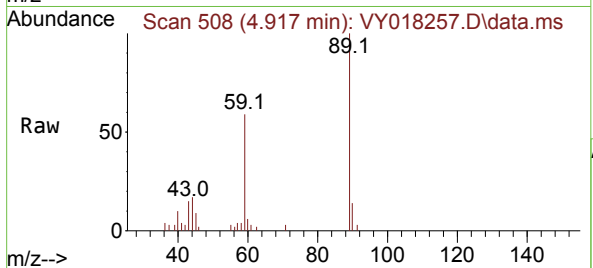




#11
Tert butyl alcohol
Concen: 49.822 ug/l
RT: 4.917 min Scan# 50
Delta R.T. -0.031 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

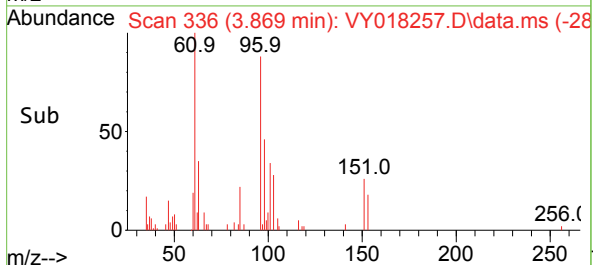
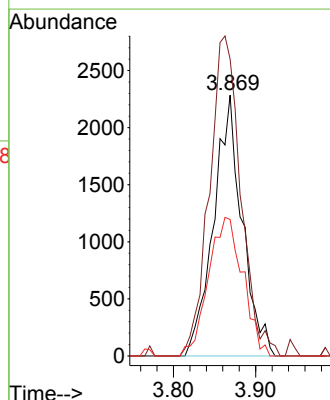
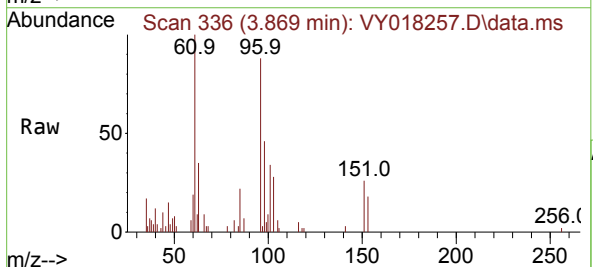
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

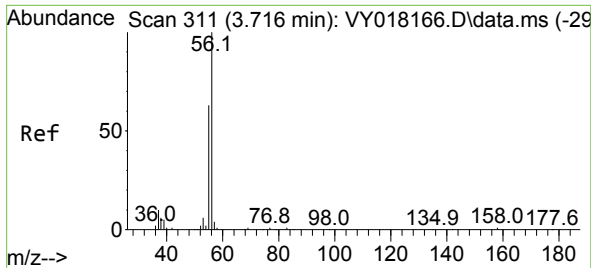
Tgt Ion: 59 Resp: 6183
Ion Ratio Lower Upper
59 100
57 7.1 3.0 4.6#



#12
1,1-Dichloroethene
Concen: 3.378 ug/l
RT: 3.869 min Scan# 336
Delta R.T. 0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 96 Resp: 5514
Ion Ratio Lower Upper
96 100
61 113.8 114.6 171.8#
98 52.3 50.8 76.2

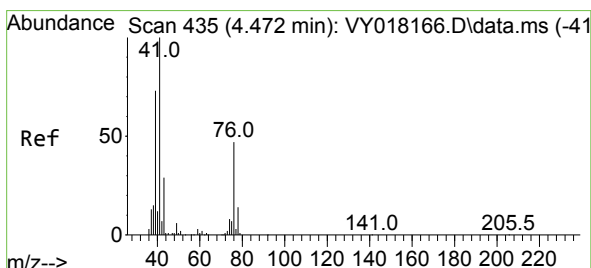
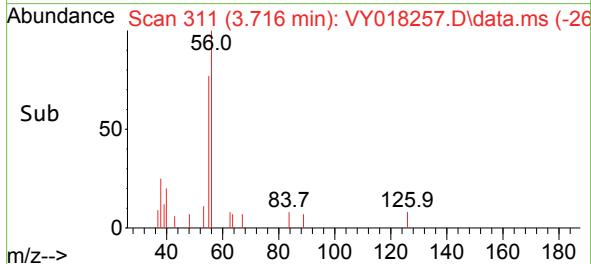
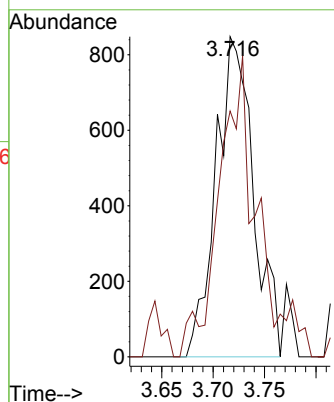
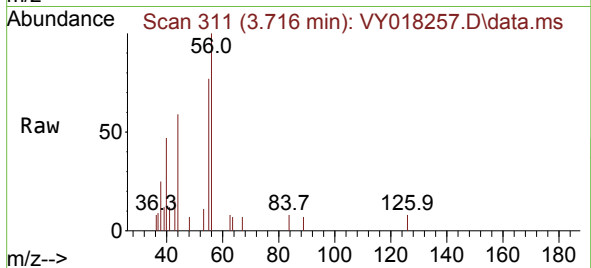




#13
Acrolein
Concen: 16.028 ug/l
RT: 3.716 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

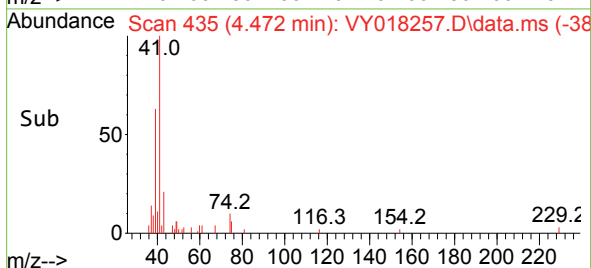
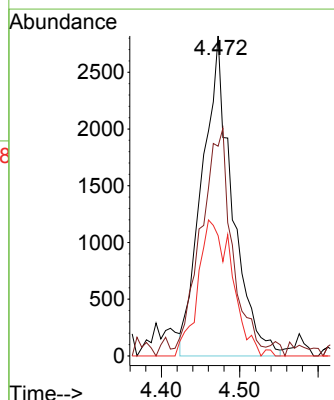
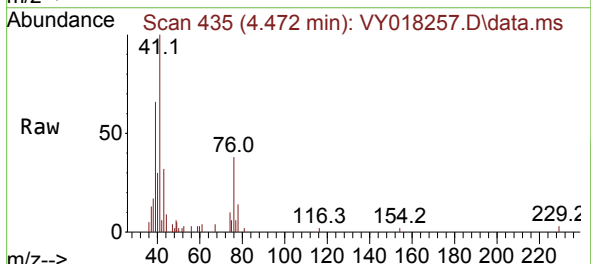
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

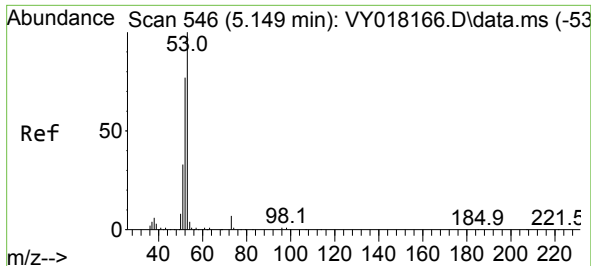
Tgt Ion: 56 Resp: 2145
Ion Ratio Lower Upper
56 100
55 90.9 55.7 83.5#



#14
Allyl chloride
Concen: 3.638 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 41 Resp: 7554
Ion Ratio Lower Upper
41 100
39 74.2 58.3 87.5
76 48.2 39.0 58.6

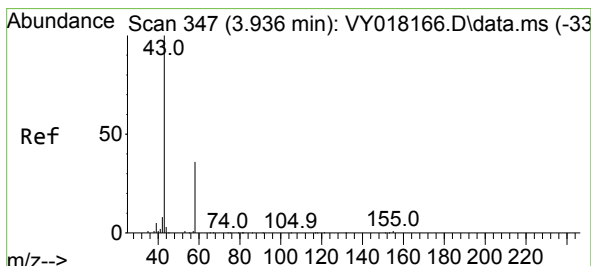
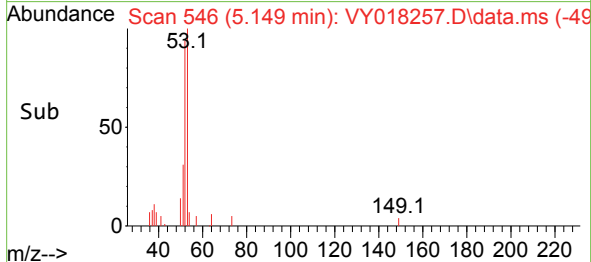
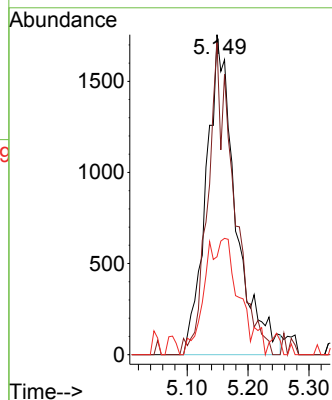
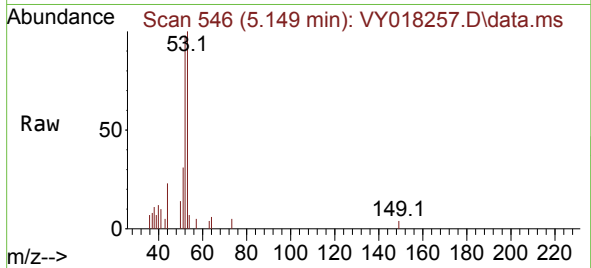




#15
Acrylonitrile
Concen: 18.308 ug/l
RT: 5.149 min Scan# 546
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

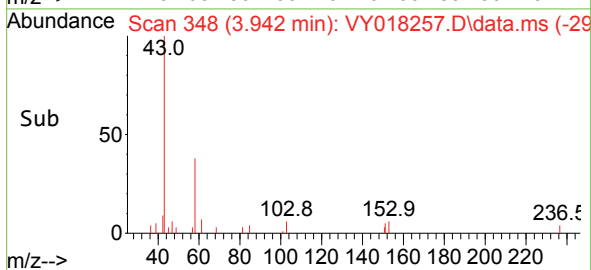
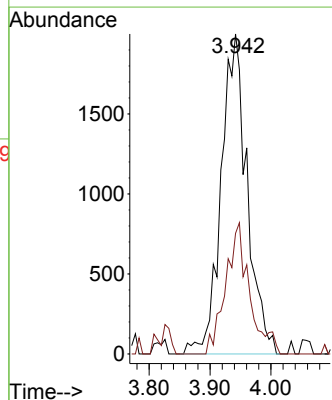
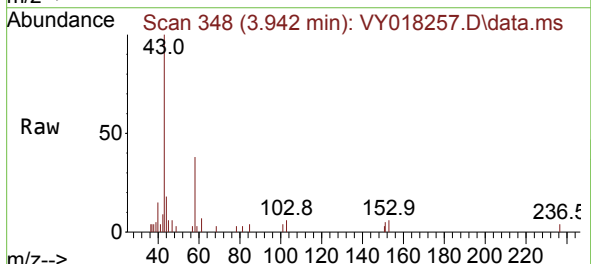
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

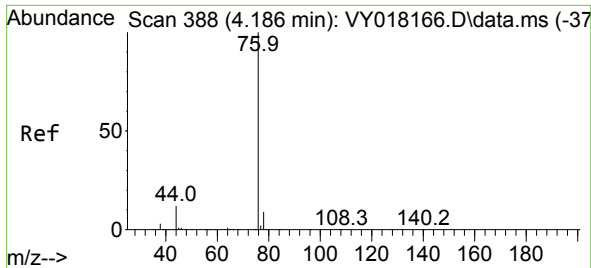
Tgt Ion: 53 Resp: 5896
Ion Ratio Lower Upper
53 100
52 86.7 64.7 97.1
51 42.7 28.4 42.6#



#16
Acetone
Concen: 23.869 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 43 Resp: 5914
Ion Ratio Lower Upper
43 100
58 37.7 31.7 47.5





#17

Carbon Disulfide

Concen: 3.837 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

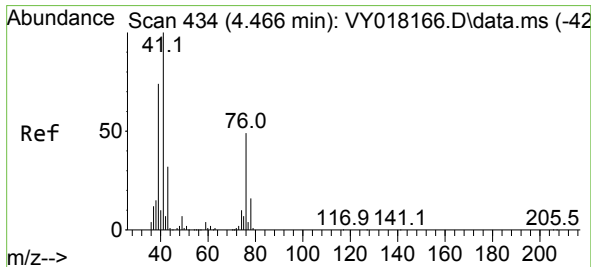
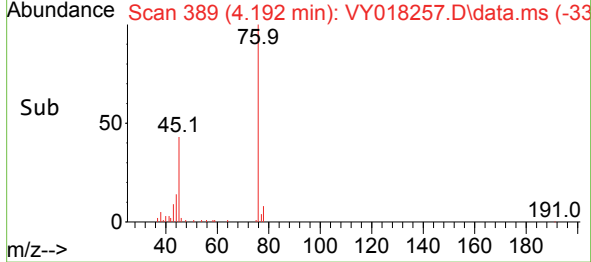
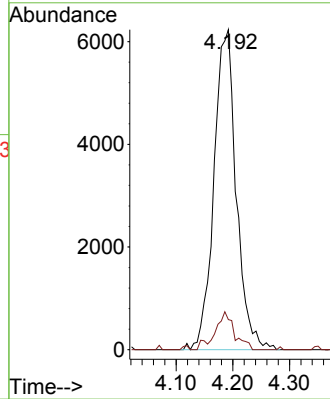
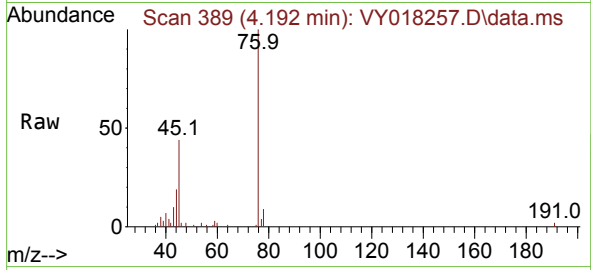
LOQ-SOIL-02-QT2-2024

Tgt Ion: 76 Resp: 17051

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2



#18

Methyl Acetate

Concen: 4.208 ug/l

RT: 4.466 min Scan# 434

Delta R.T. -0.000 min

Lab File: VY018257.D

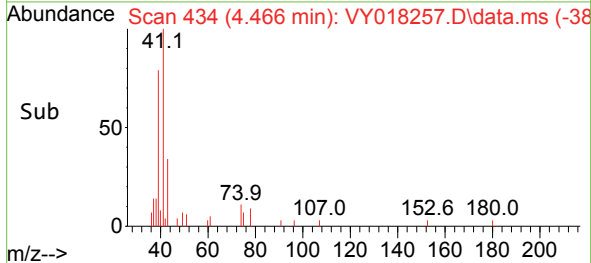
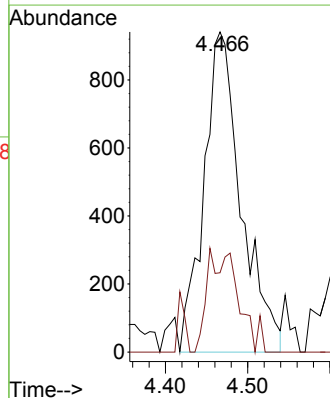
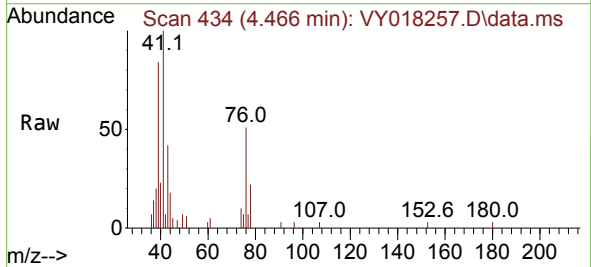
Acq: 14 May 2024 14:47

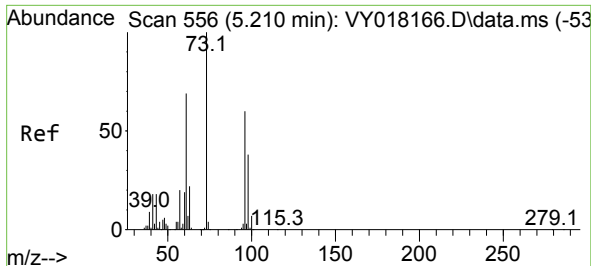
Tgt Ion: 43 Resp: 2970

Ion Ratio Lower Upper

43 100

74 26.8 23.3 34.9

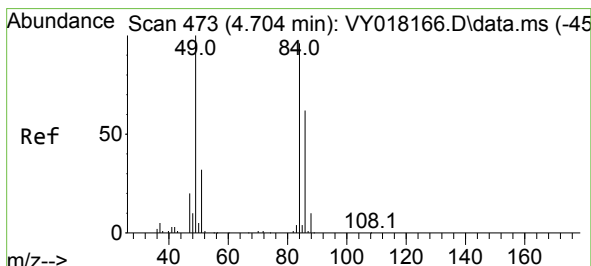
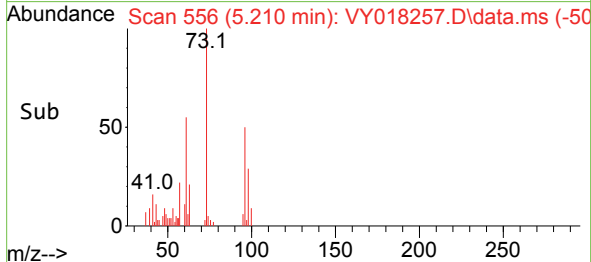
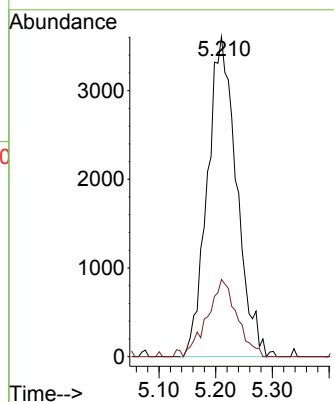
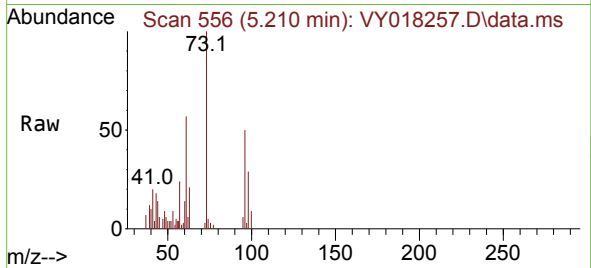




#19
Methyl tert-butyl Ether
Concen: 3.552 ug/l
RT: 5.210 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

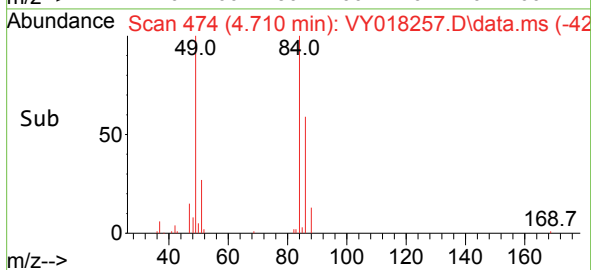
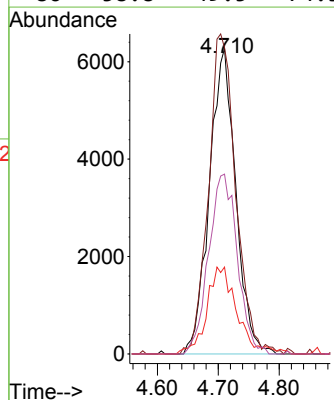
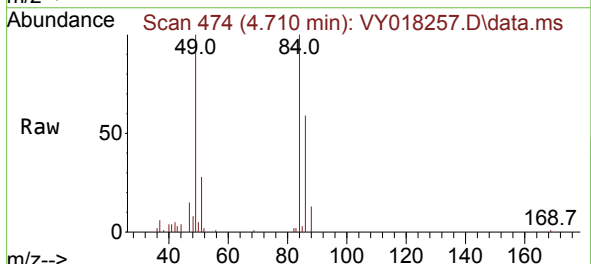
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

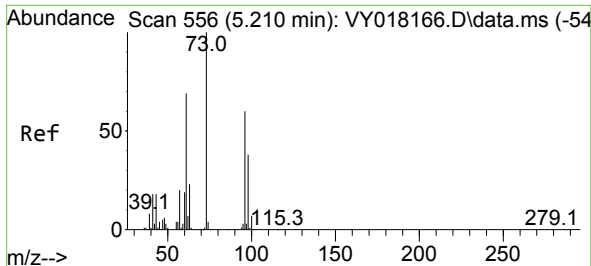
Tgt Ion: 73 Resp: 12915
Ion Ratio Lower Upper
73 100
57 24.2 17.3 25.9



#20
Methylene Chloride
Concen: 10.768 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

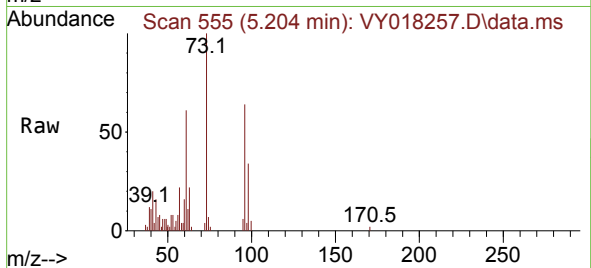
Tgt Ion: 84 Resp: 18857
Ion Ratio Lower Upper
84 100
49 100.2 84.4 126.6
51 27.4 26.0 39.0
86 58.8 49.5 74.3



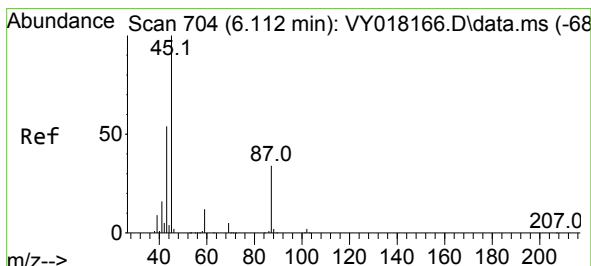
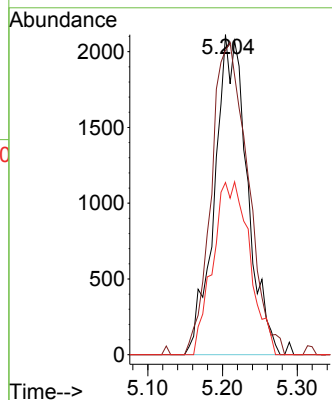
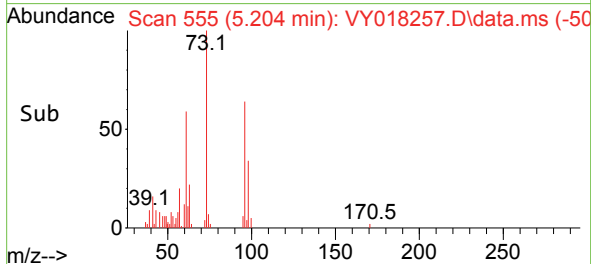


#21
trans-1,2-Dichloroethene
Concen: 3.711 ug/l
RT: 5.204 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

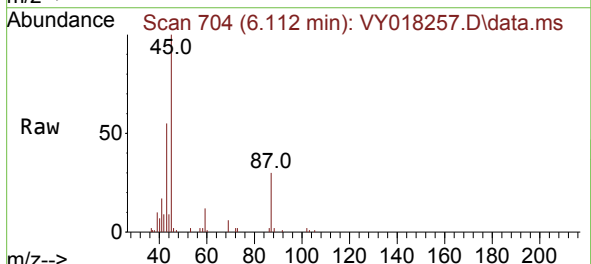
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024



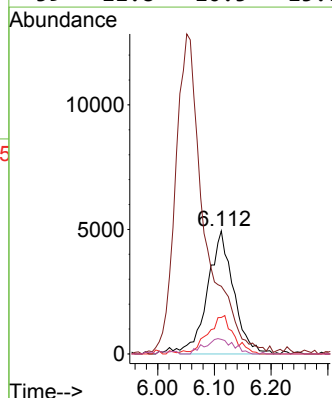
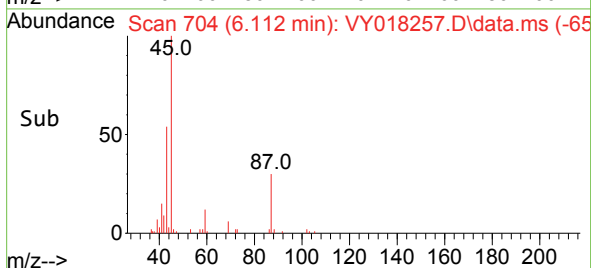
Tgt Ion: 96 Resp: 6421
Ion Ratio Lower Upper
96 100
61 95.1 97.5 146.3#
98 53.8 50.5 75.7

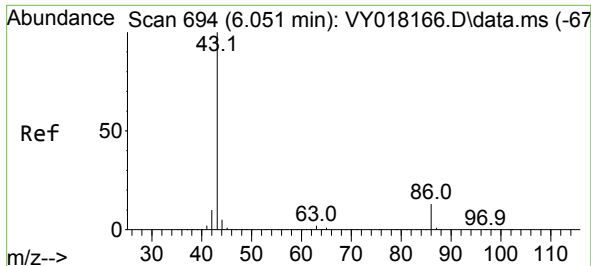


#22
Diisopropyl ether
Concen: 3.540 ug/l
RT: 6.112 min Scan# 704
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47



Tgt Ion: 45 Resp: 15590
Ion Ratio Lower Upper
45 100
43 51.2 42.2 63.2
87 29.7 25.0 37.6
59 11.8 10.5 15.7

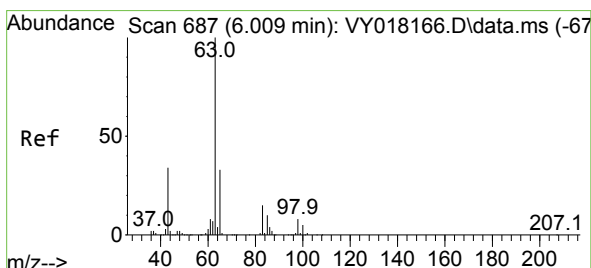
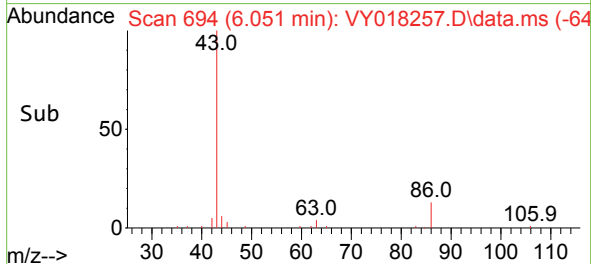
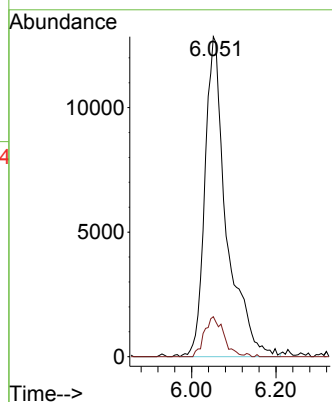
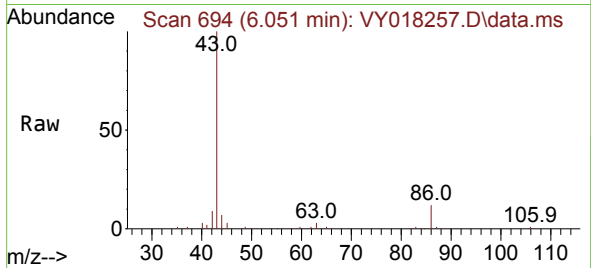




#23
 Vinyl Acetate
 Concen: 17.144 ug/l
 RT: 6.051 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: VY018257.D
 Acq: 14 May 2024 14:47

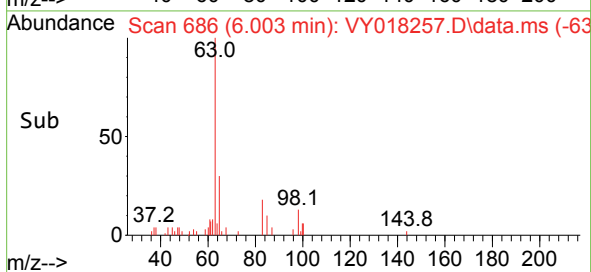
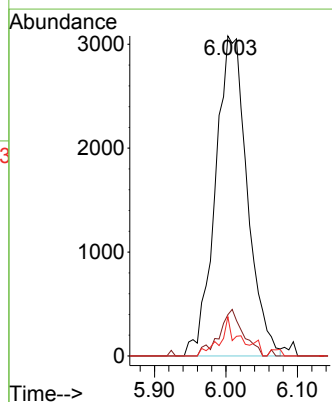
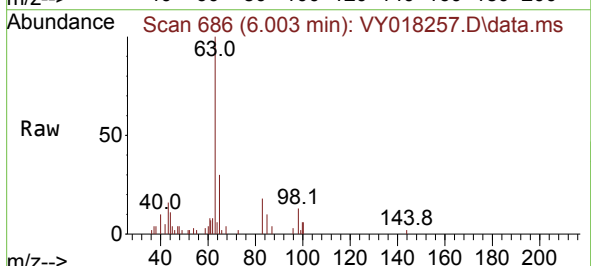
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

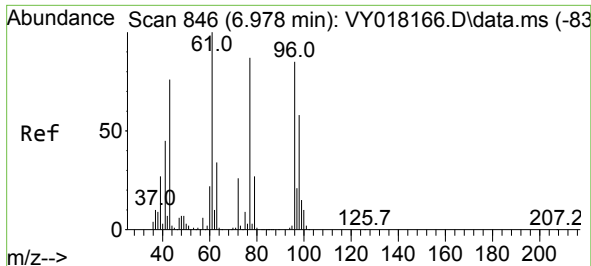
Tgt Ion: 43 Resp: 45896
 Ion Ratio Lower Upper
 43 100
 86 12.5 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 3.517 ug/l
 RT: 6.003 min Scan# 686
 Delta R.T. -0.006 min
 Lab File: VY018257.D
 Acq: 14 May 2024 14:47

Tgt Ion: 63 Resp: 9541
 Ion Ratio Lower Upper
 63 100
 98 12.9 4.0 12.2#
 100 12.3 2.6 8.0#

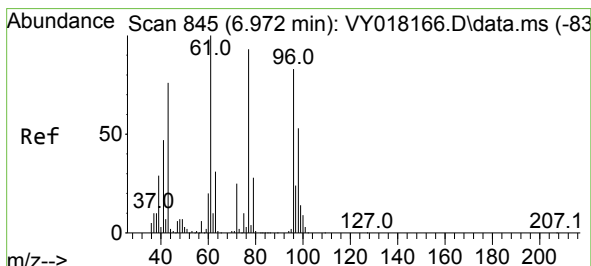
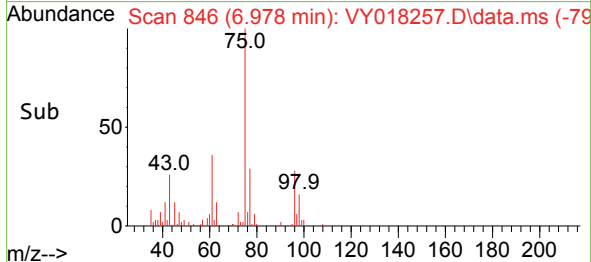
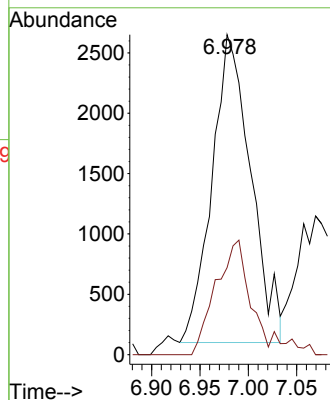
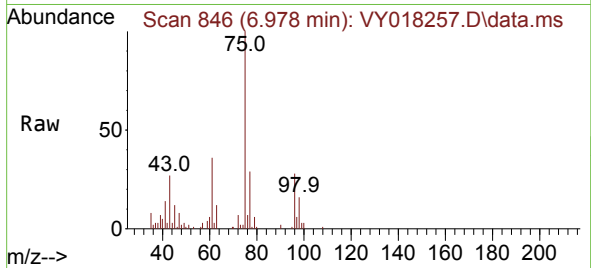




#25
2-Butanone
Concen: 18.003 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

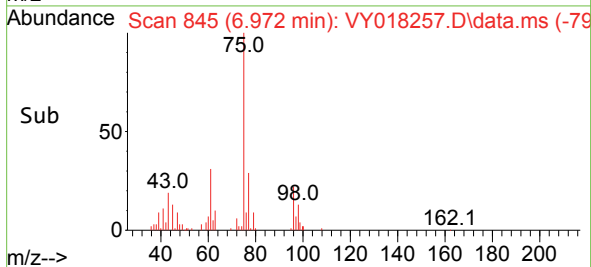
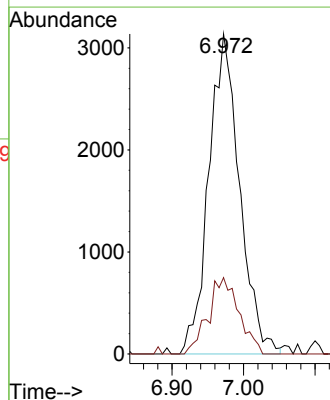
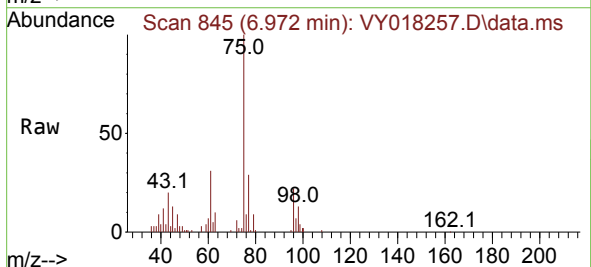
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

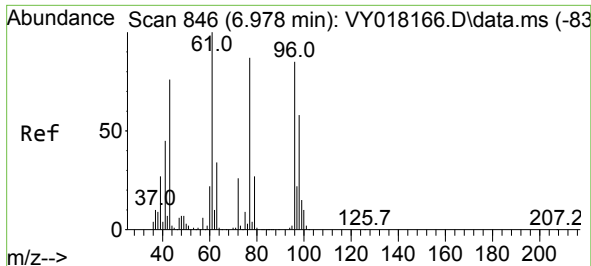
Tgt Ion: 43 Resp: 7130
Ion Ratio Lower Upper
43 100
72 28.3 27.3 40.9



#26
2,2-Dichloropropane
Concen: 3.825 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 77 Resp: 9391
Ion Ratio Lower Upper
77 100
97 23.9 12.0 36.1

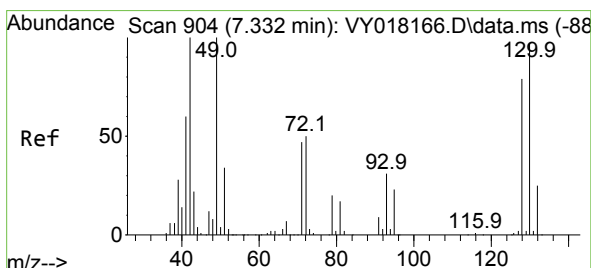
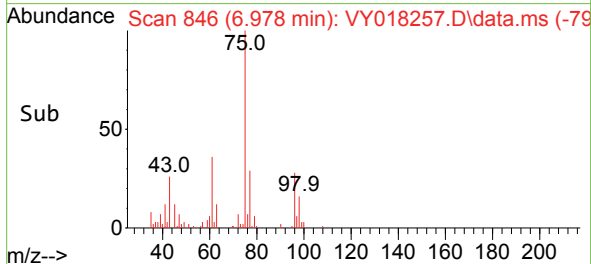
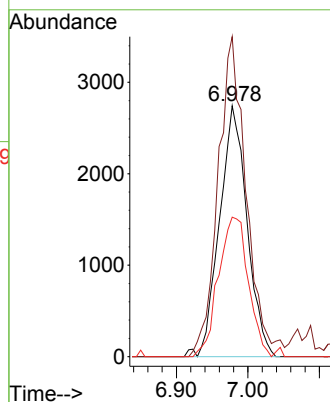
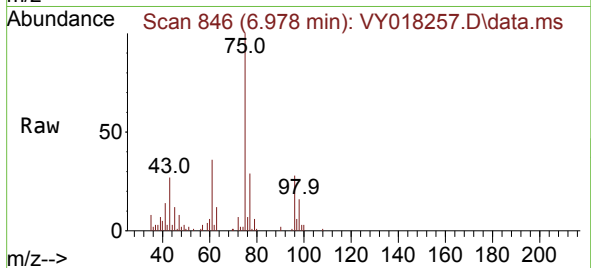




#27
cis-1,2-Dichloroethene
Concen: 3.581 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

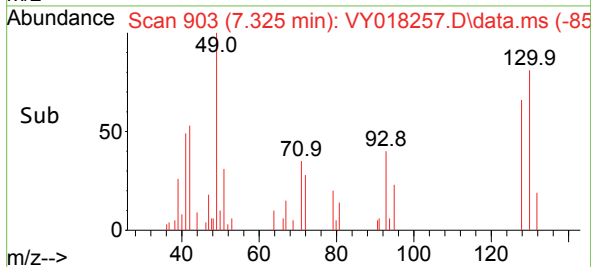
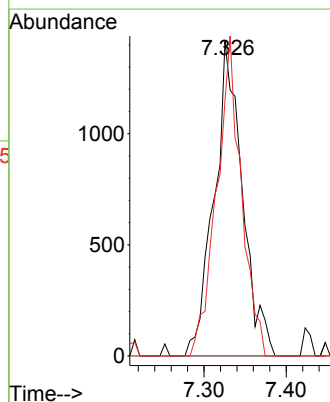
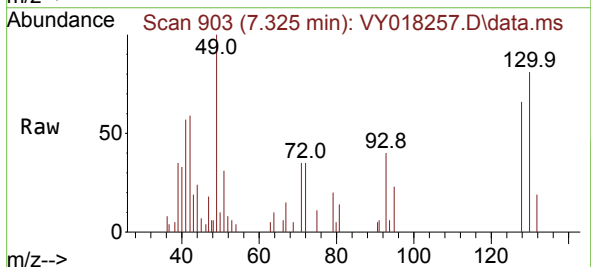
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

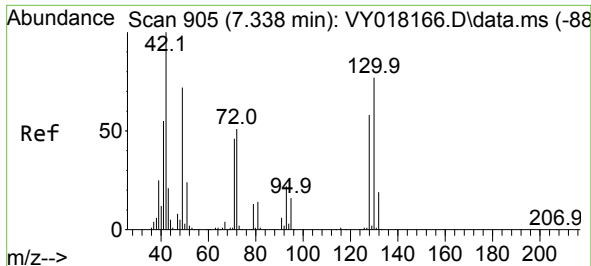
Tgt Ion: 96 Resp: 7322
Ion Ratio Lower Upper
96 100
61 130.9 0.0 256.2
98 60.4 0.0 130.0



#28
Bromochloromethane
Concen: 3.120 ug/l
RT: 7.325 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 49 Resp: 3383
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 88.3 72.7 109.1





#29

Tetrahydrofuran

Concen: 18.418 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.000 min

Lab File: VY018257.D

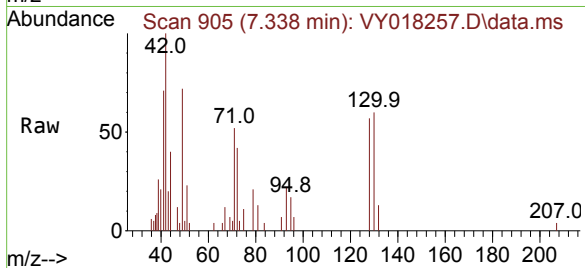
Acq: 14 May 2024 14:47

Instrument :

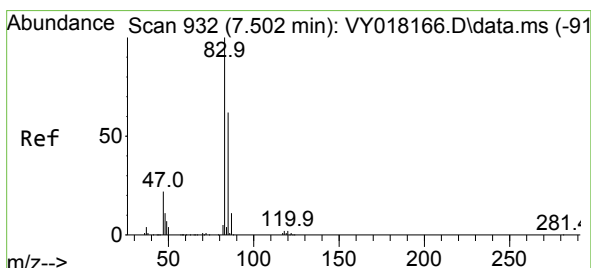
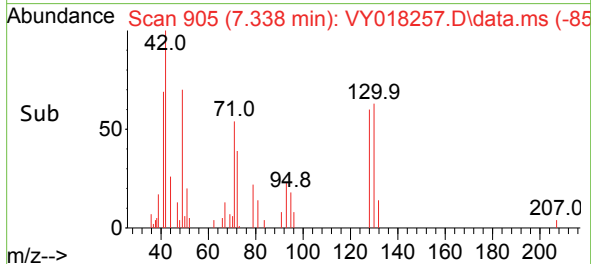
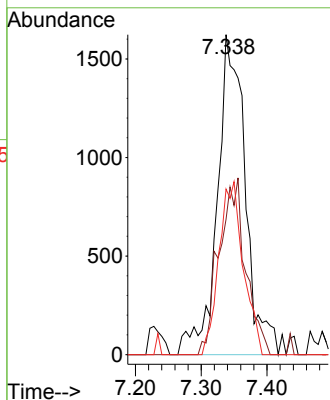
MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:	42	Resp:	4815
Ion	Ratio	Lower	Upper
42	100		
72	52.3	43.0	64.4
71	47.0	40.8	61.2



#30

Chloroform

Concen: 3.553 ug/l

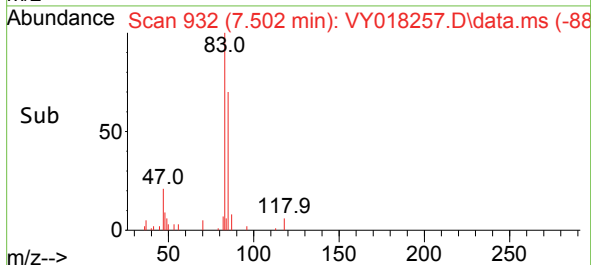
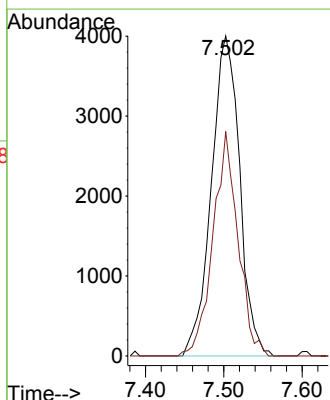
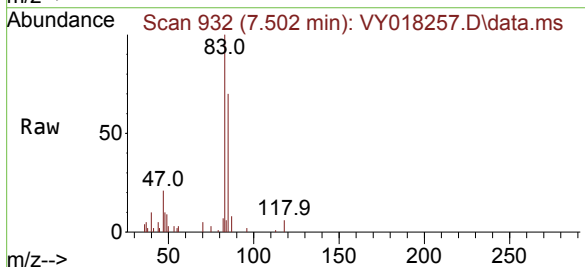
RT: 7.502 min Scan# 932

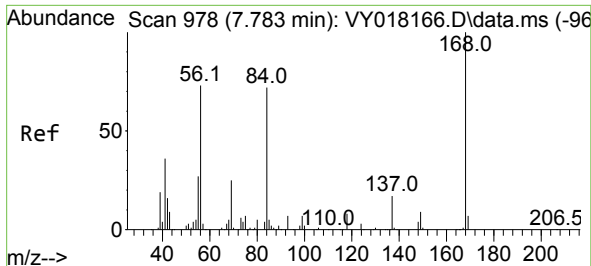
Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Tgt Ion:	83	Resp:	10062
Ion	Ratio	Lower	Upper
83	100		
85	70.2	52.2	78.4

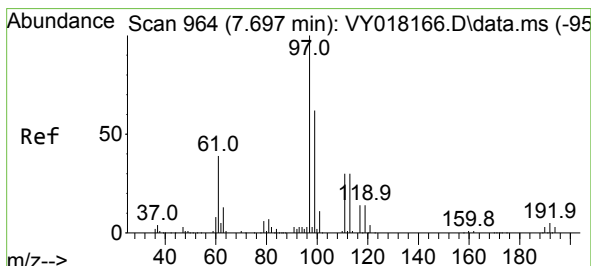
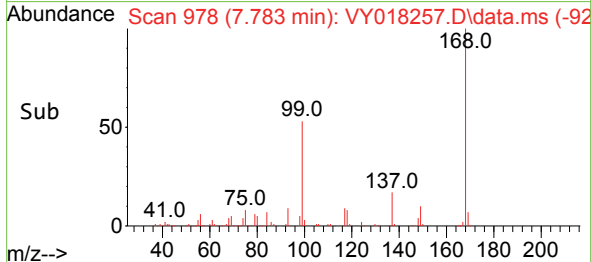
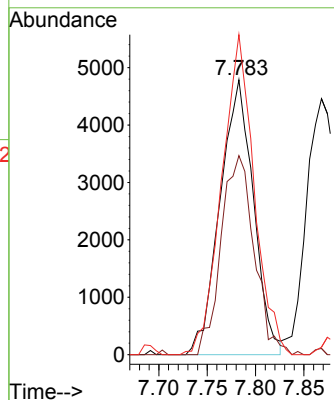
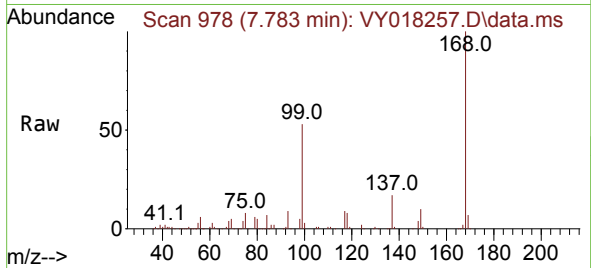




#31
Cyclohexane
Concen: 4.463 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

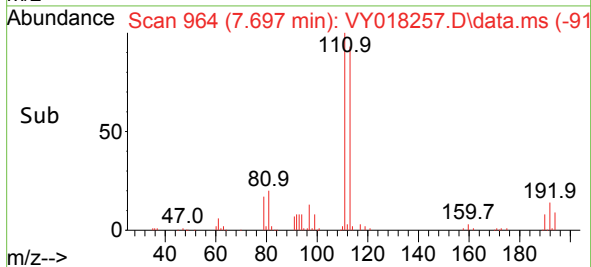
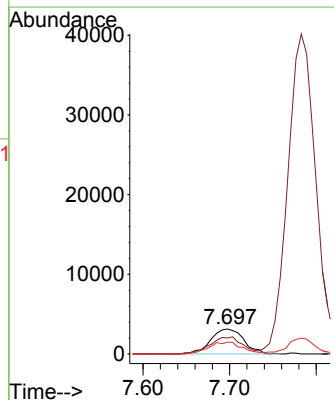
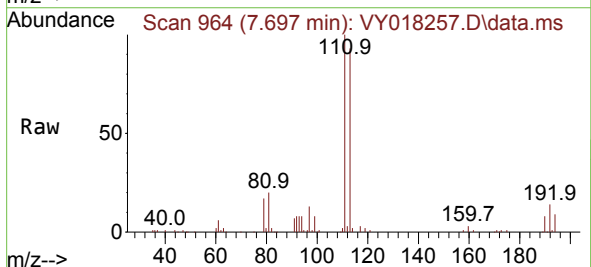
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

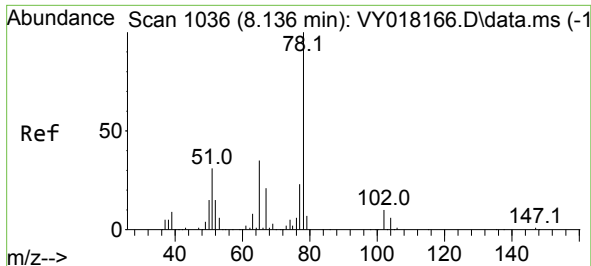
Tgt Ion: 56 Resp: 11494
Ion Ratio Lower Upper
56 100
69 72.4 28.7 43.1#
84 116.4 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 3.258 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 97 Resp: 8271
Ion Ratio Lower Upper
97 100
99 68.6 50.3 75.5
61 48.7 32.6 48.8

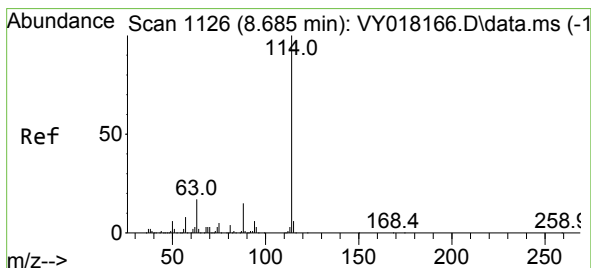
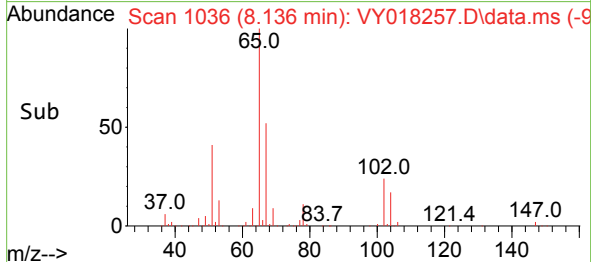
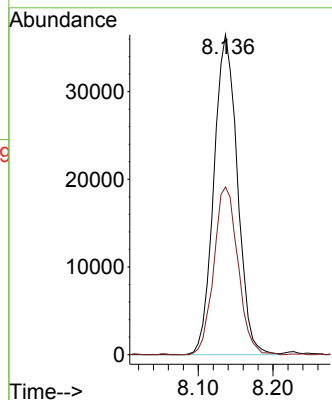
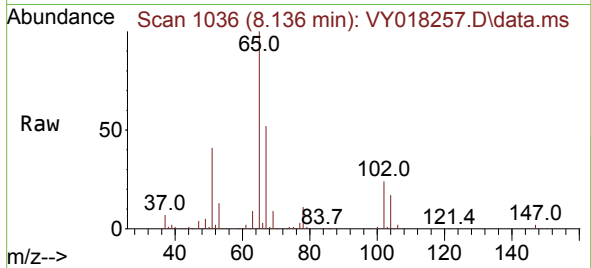




#33
 1,2-Dichloroethane-d4
 Concen: 64.311 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY018257.D
 Acq: 14 May 2024 14:47

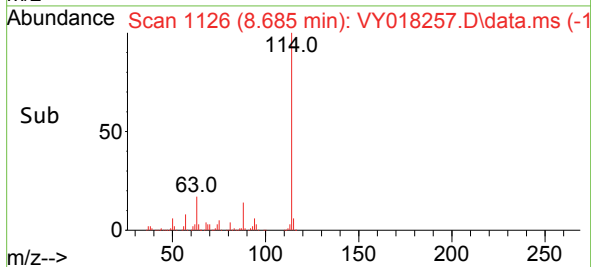
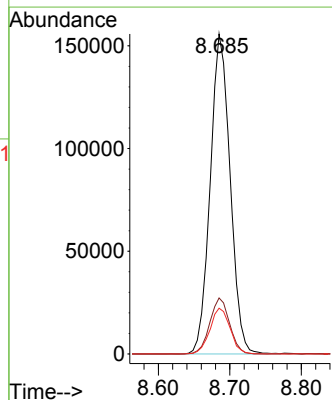
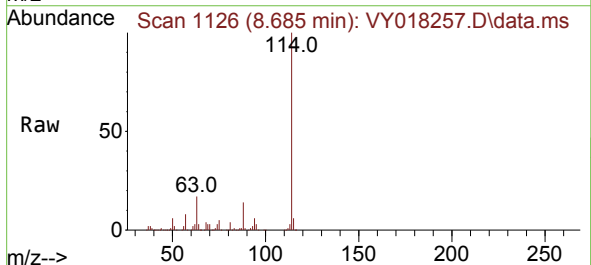
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

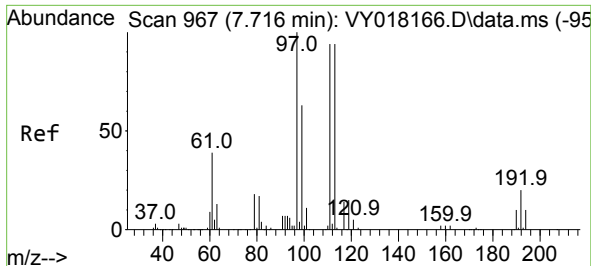
Tgt Ion: 65 Resp: 79847
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY018257.D
 Acq: 14 May 2024 14:47

Tgt Ion: 114 Resp: 301516
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 14.3 0.0 27.2

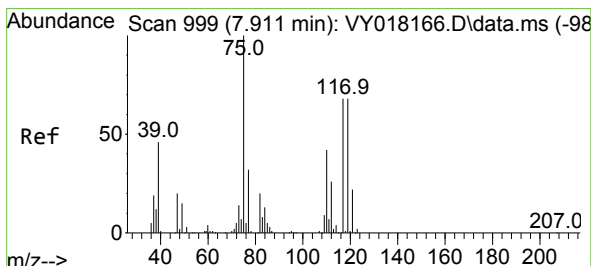
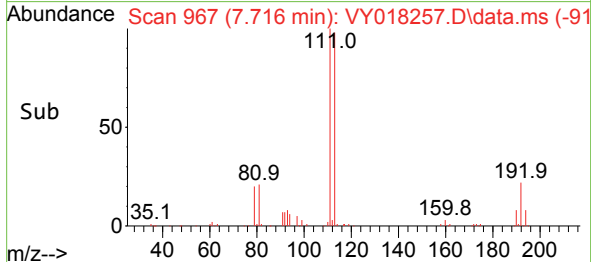
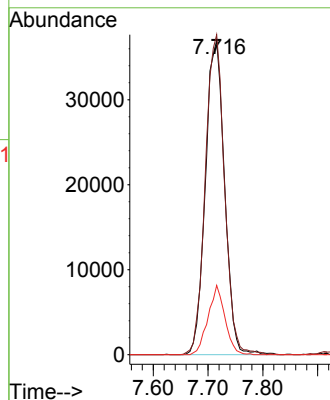
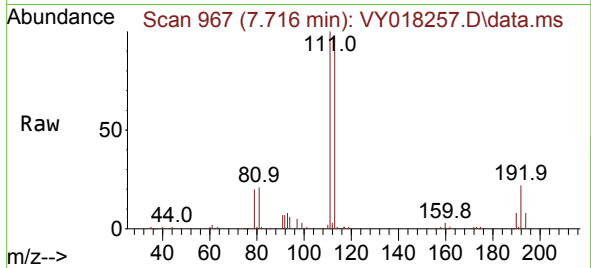




#35
Dibromofluoromethane
Concen: 56.587 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

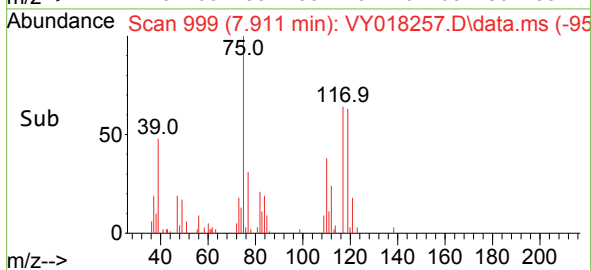
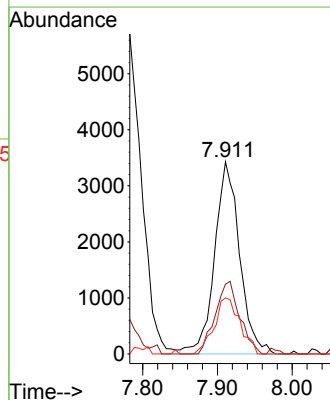
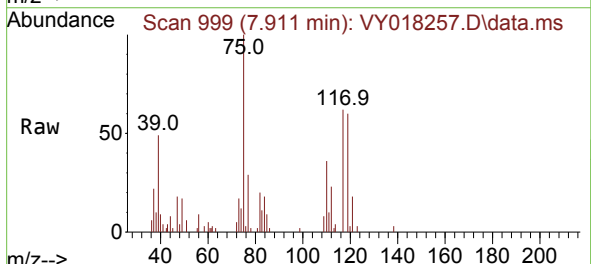
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

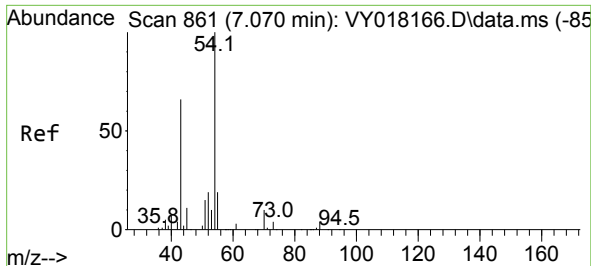
Tgt Ion:	113	Resp:	89668
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	19.5	15.9	23.9



#36
1,1-Dichloropropene
Concen: 3.499 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion:	75	Resp:	7949
Ion	Ratio	Lower	Upper
75	100		
110	37.0	19.0	57.0
77	30.2	25.3	37.9

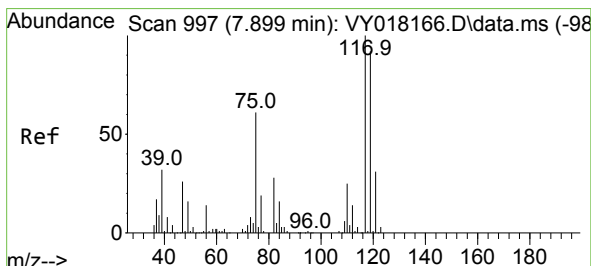
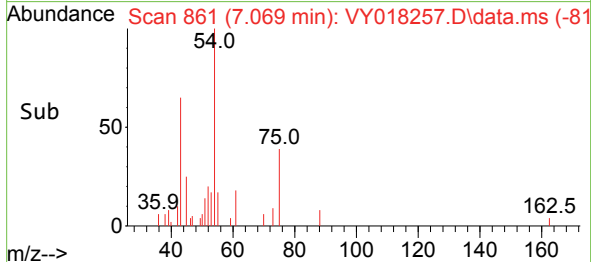
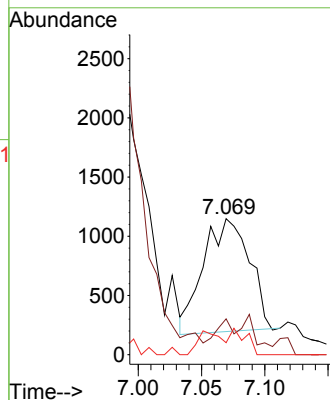
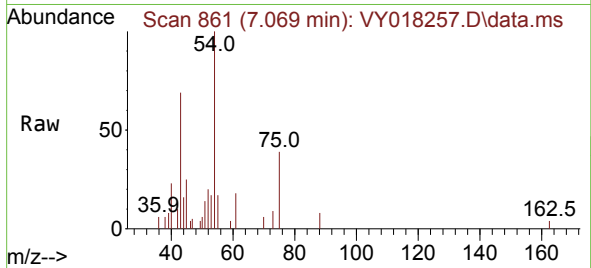




#37
Ethyl Acetate
Concen: 2.533 ug/l
RT: 7.069 min Scan# 861
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

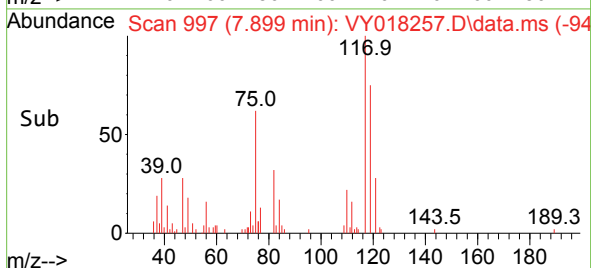
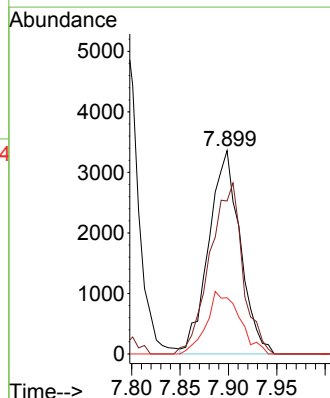
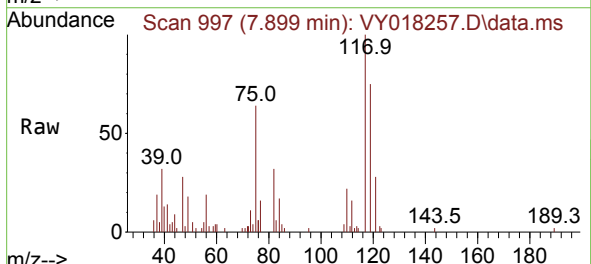
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

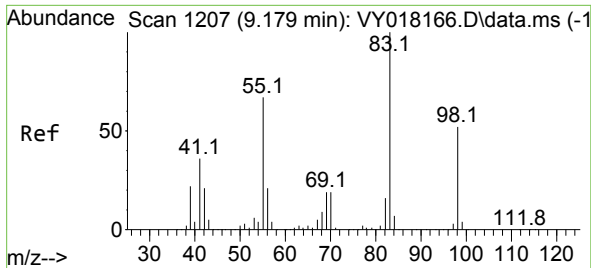
Tgt Ion: 43 Resp: 2422
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 7.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 3.054 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 117 Resp: 7581
Ion Ratio Lower Upper
117 100
119 75.2 75.8 113.6#
121 27.6 24.0 36.0





#39

Methylcyclohexane

Concen: 2.933 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

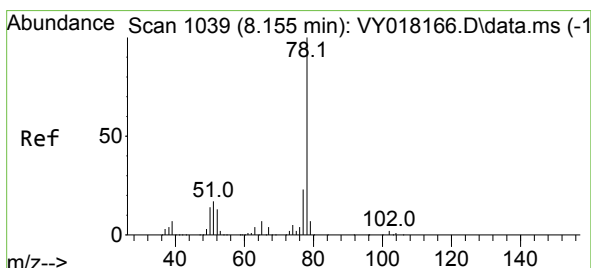
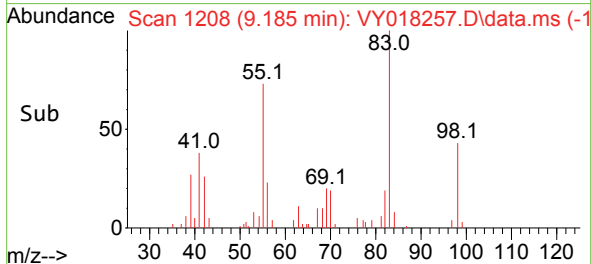
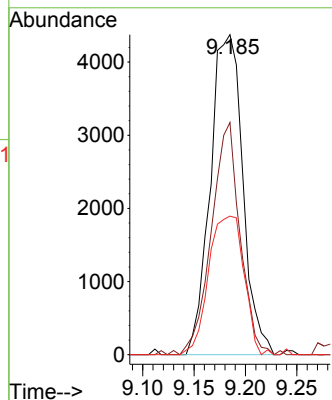
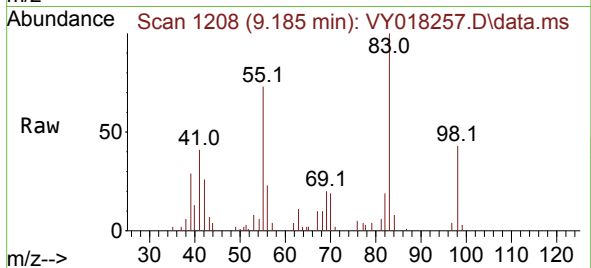
Tgt Ion: 83 Resp: 9611

Ion Ratio Lower Upper

83 100

55 72.6 51.5 77.3

98 43.3 40.5 60.7



#40

Benzene

Concen: 3.260 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY018257.D

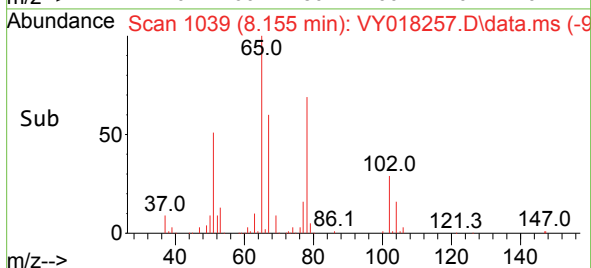
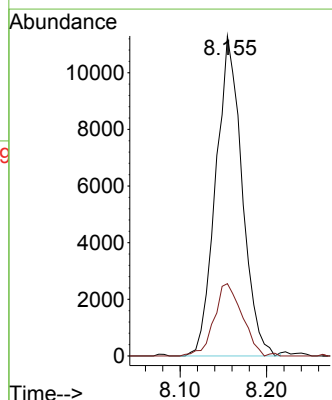
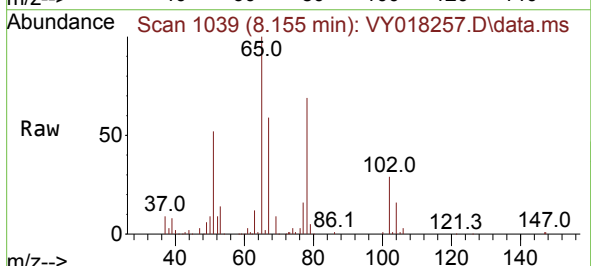
Acq: 14 May 2024 14:47

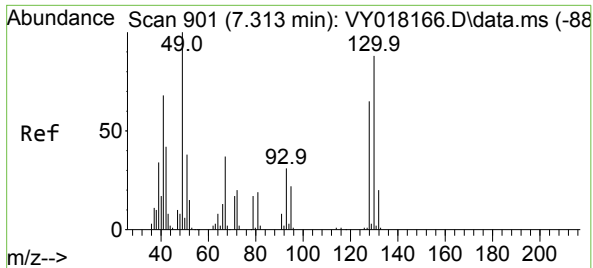
Tgt Ion: 78 Resp: 23824

Ion Ratio Lower Upper

78 100

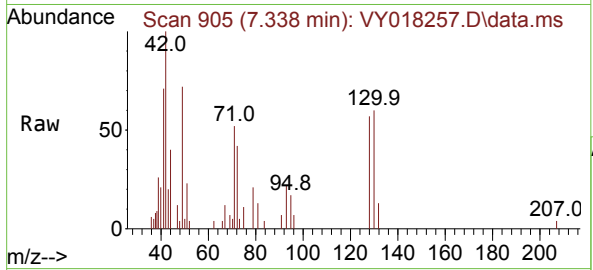
77 22.6 19.5 29.3



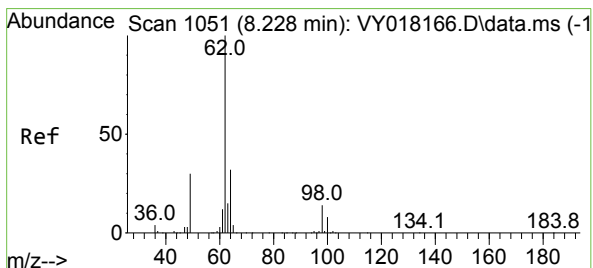
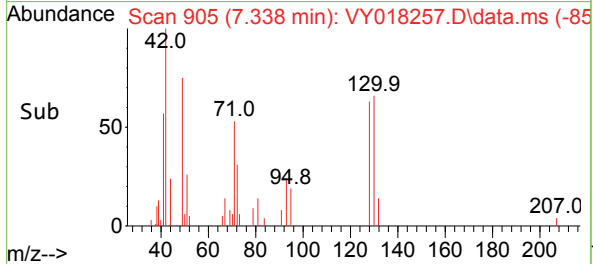
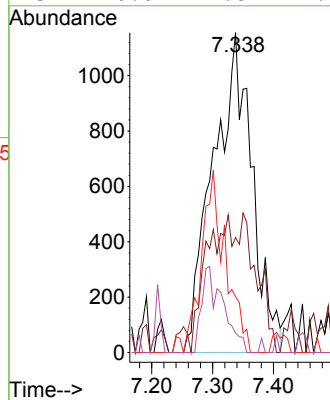


#41
Methacrylonitrile
Concen: 9.216 ug/l
RT: 7.338 min Scan# 901
Delta R.T. 0.024 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

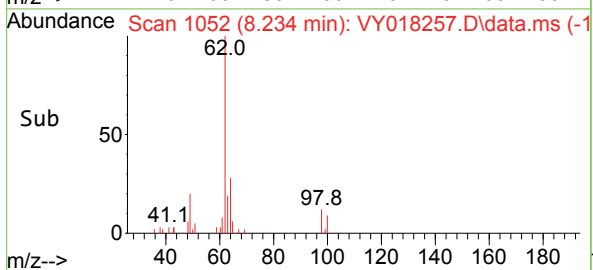
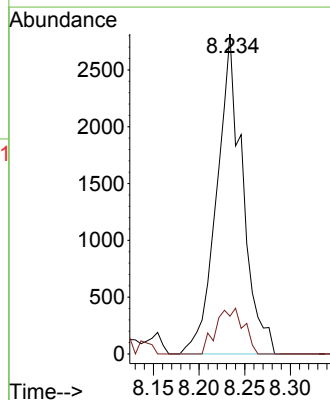
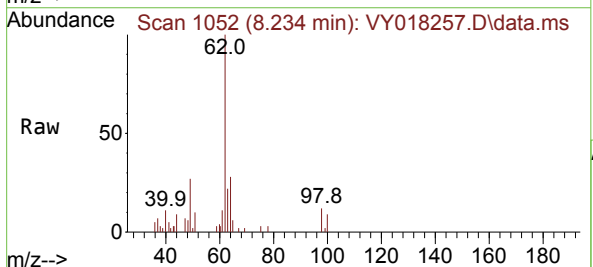


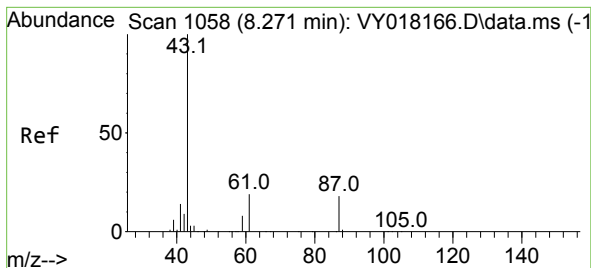
Tgt Ion: 41 Resp: 5088
Ion Ratio Lower Upper
41 100
39 0.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#



#42
1,2-Dichloroethane
Concen: 3.476 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 62 Resp: 5527
Ion Ratio Lower Upper
62 100
98 15.3 0.0 22.0





#43

Isopropyl Acetate

Concen: 3.499 ug/l

RT: 8.270 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

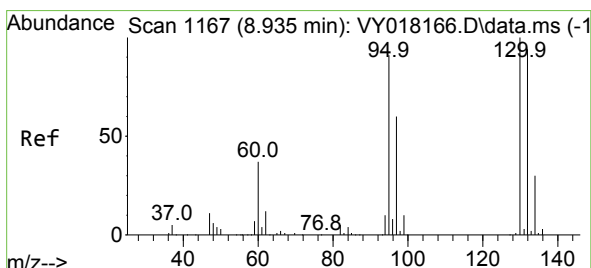
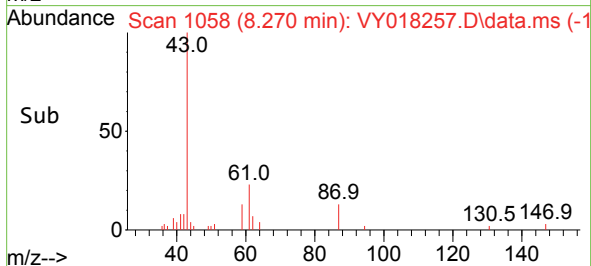
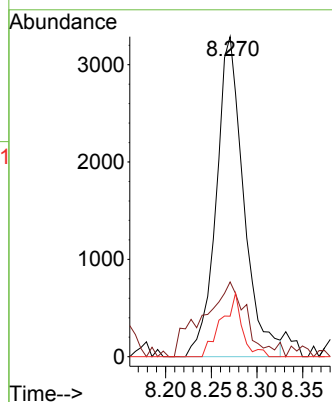
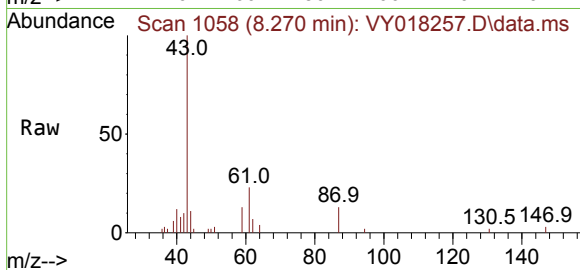
Tgt Ion: 43 Resp: 6858

Ion Ratio Lower Upper

43 100

61 37.2 27.9 41.9

87 15.1 13.1 19.7



#44

Trichloroethene

Concen: 3.235 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VY018257.D

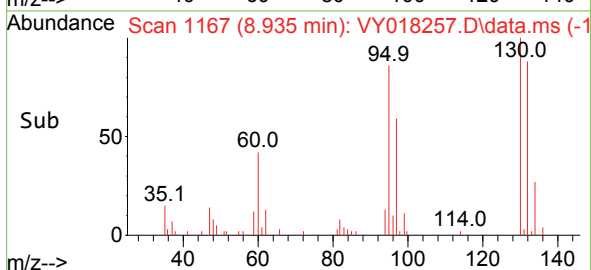
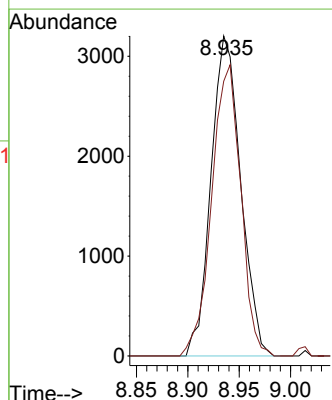
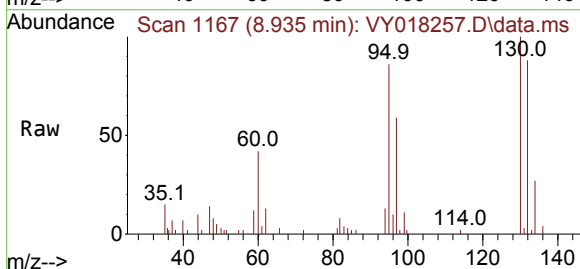
Acq: 14 May 2024 14:47

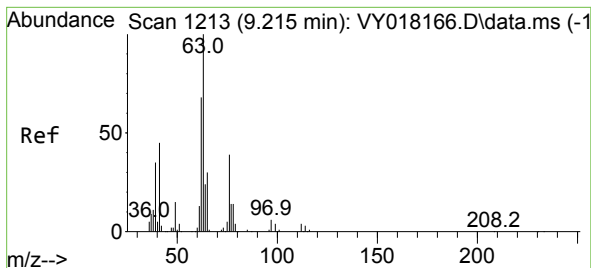
Tgt Ion: 130 Resp: 6435

Ion Ratio Lower Upper

130 100

95 85.8 0.0 188.0





#45

1,2-Dichloropropane

Concen: 3.211 ug/l

RT: 9.215 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

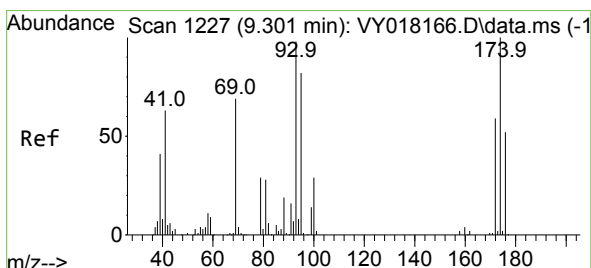
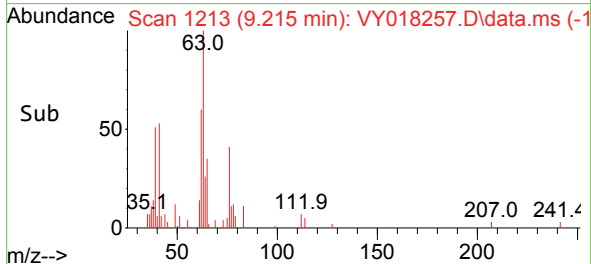
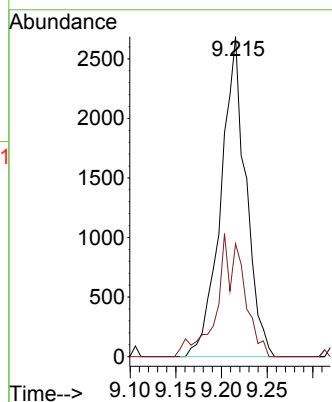
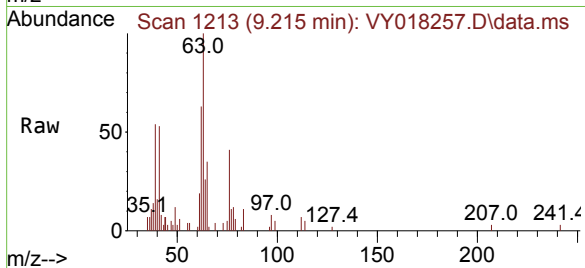
LOQ-SOIL-02-QT2-2024

Tgt Ion: 63 Resp: 5129

Ion Ratio Lower Upper

63 100

65 35.3 25.4 38.2



#46

Dibromomethane

Concen: 3.246 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

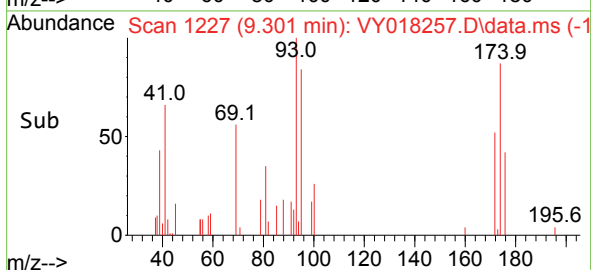
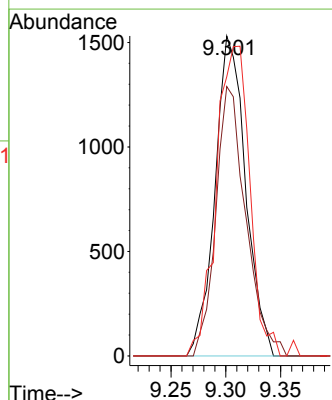
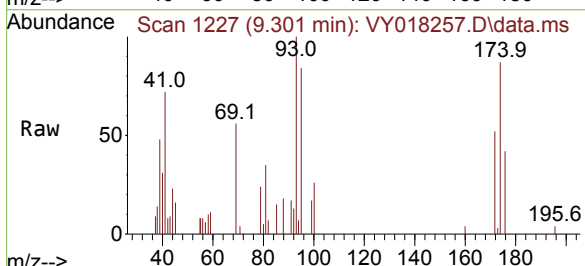
Tgt Ion: 93 Resp: 2981

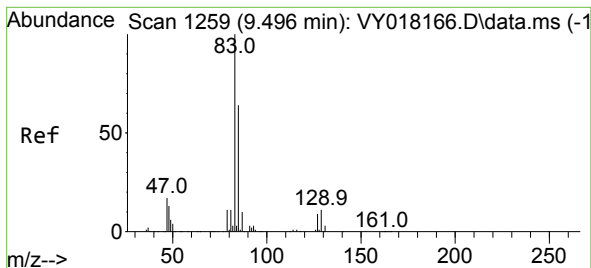
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 105.3 80.9 121.3





#47

Bromodichloromethane

Concen: 3.197 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

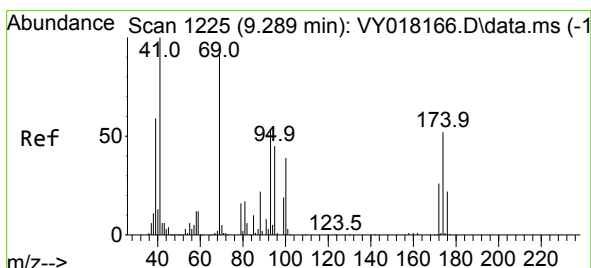
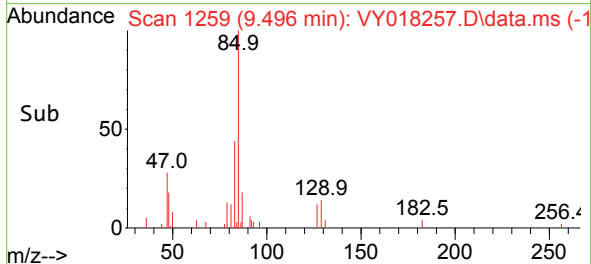
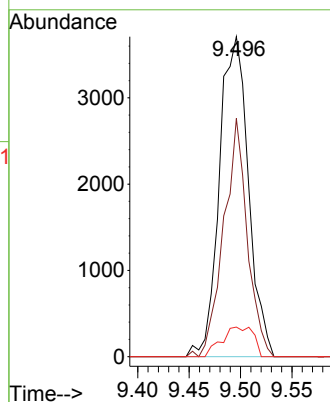
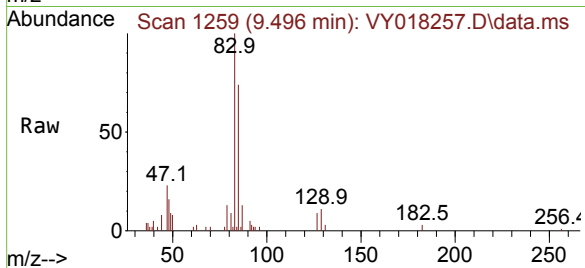
Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 83	Resp: 7258		
Ion Ratio	Lower	Upper	
83 100			
85 74.5	50.1	75.1	
127 9.3	7.4	11.0	



#48

Methyl methacrylate

Concen: 3.548 ug/l

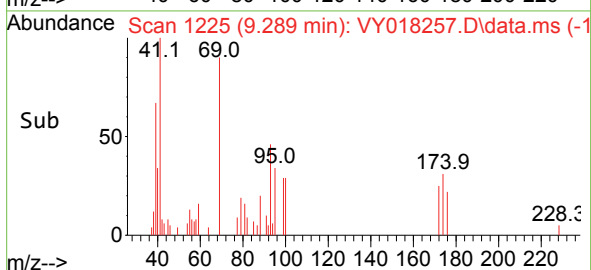
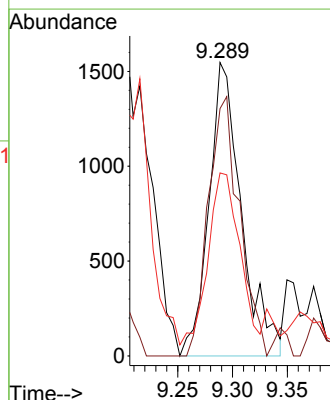
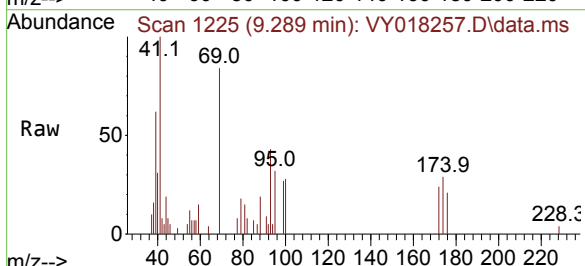
RT: 9.289 min Scan# 1225

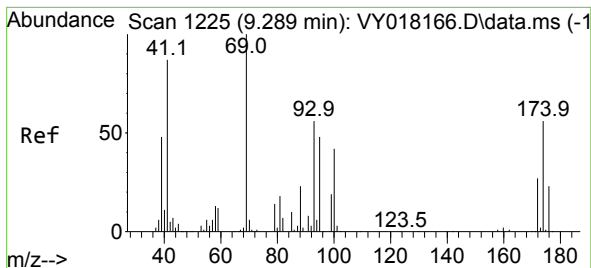
Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Tgt Ion: 41	Resp: 3187		
Ion Ratio	Lower	Upper	
41 100			
69 84.8	84.1	126.1	
39 56.1	43.6	65.4	





#49

1,4-Dioxane

Concen: 61.607 ug/l

RT: 9.307 min Scan# 1225

Delta R.T. 0.018 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

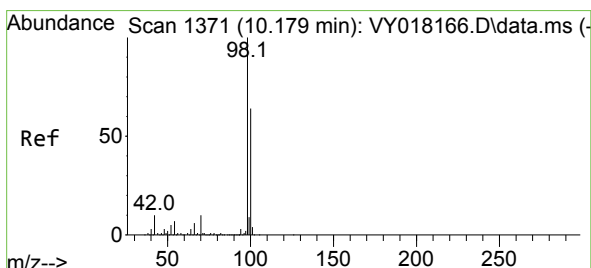
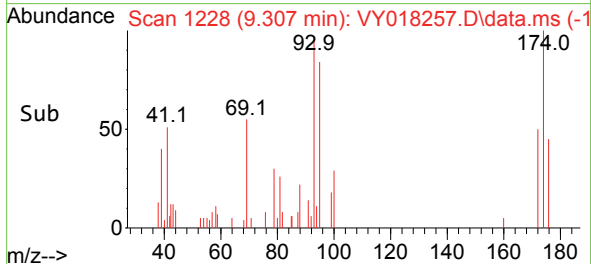
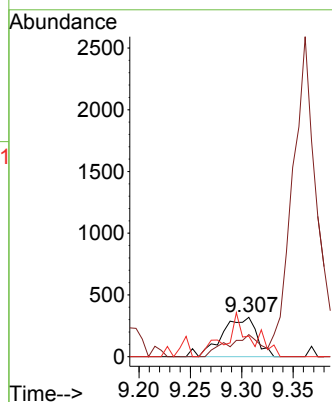
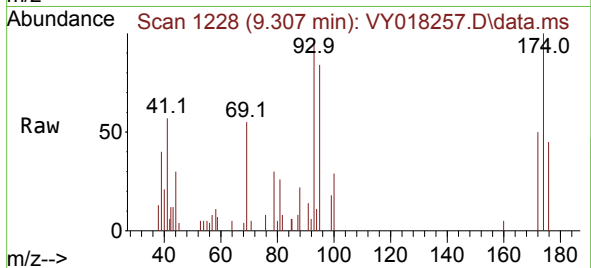
Tgt Ion: 88 Resp: 751

Ion Ratio Lower Upper

88 100

43 51.9 0.0 0.0#

58 63.1 49.3 73.9



#50

Toluene-d8

Concen: 57.560 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018257.D

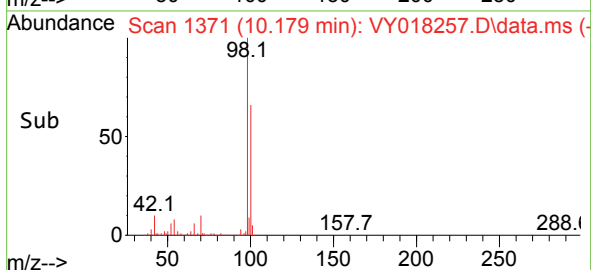
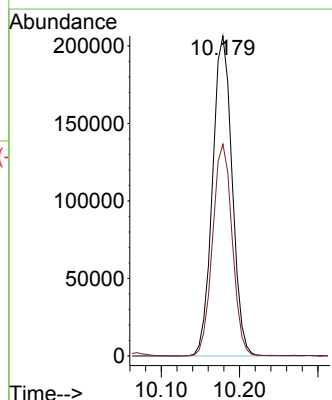
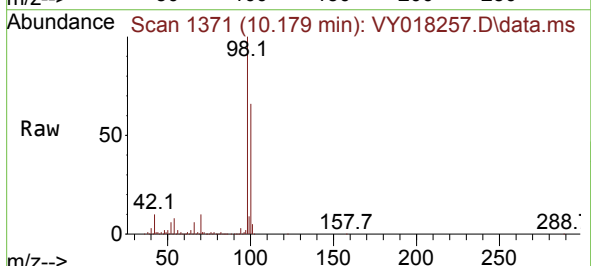
Acq: 14 May 2024 14:47

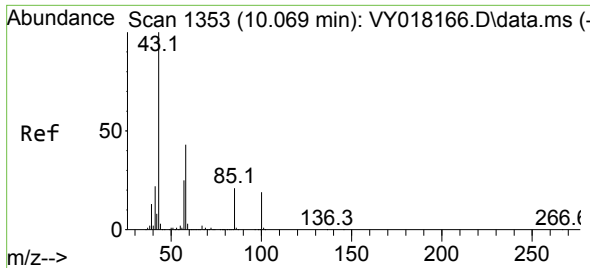
Tgt Ion: 98 Resp: 359423

Ion Ratio Lower Upper

98 100

100 66.3 52.0 78.0

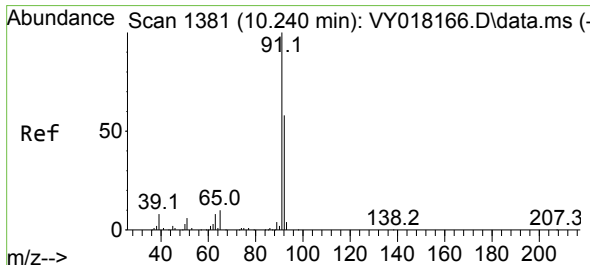
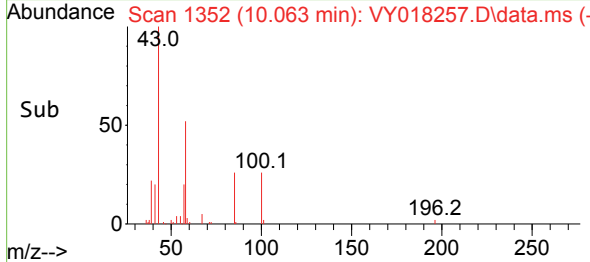
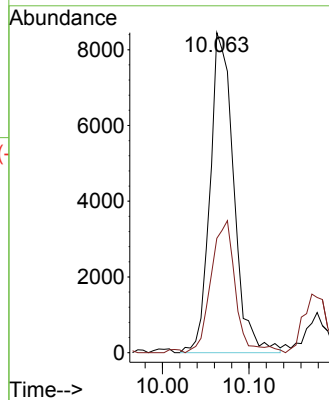
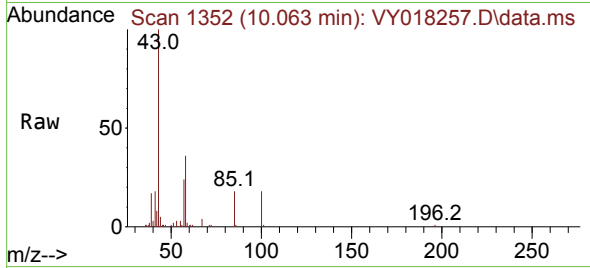




#51
4-Methyl-2-Pentanone
Concen: 16.324 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

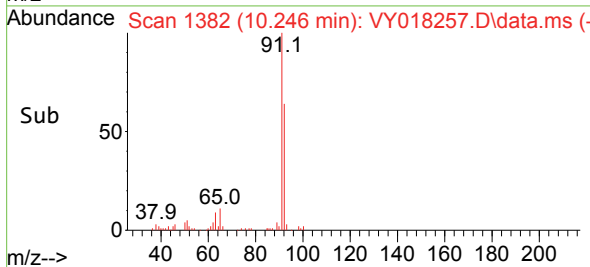
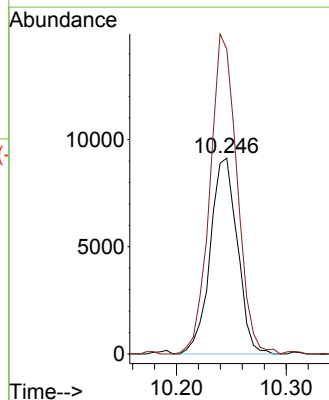
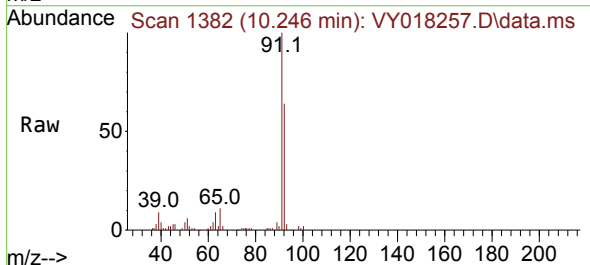
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

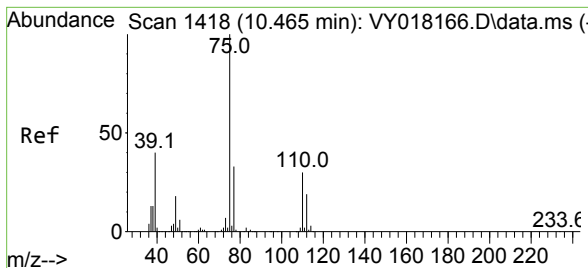
Tgt Ion: 43 Resp: 16079
Ion Ratio Lower Upper
43 100
58 42.3 35.7 53.5



#52
Toluene
Concen: 3.340 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 92 Resp: 15714
Ion Ratio Lower Upper
92 100
91 163.1 139.0 208.6

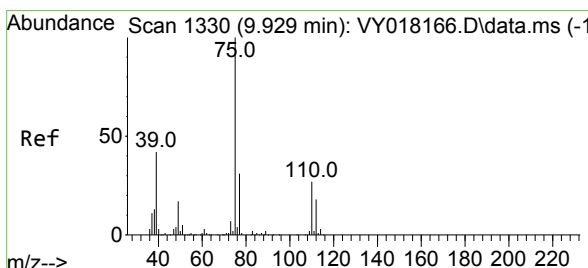
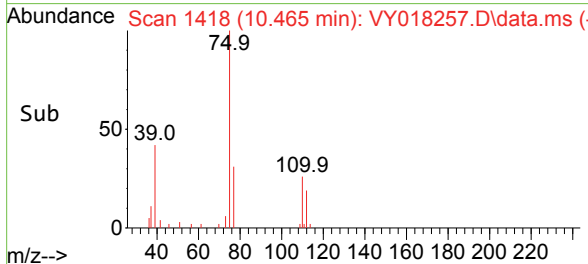
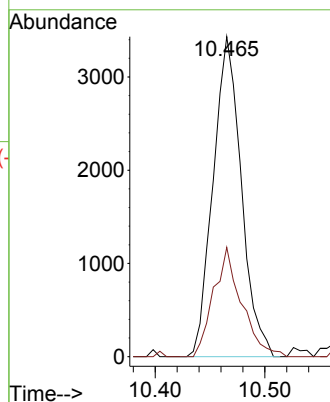
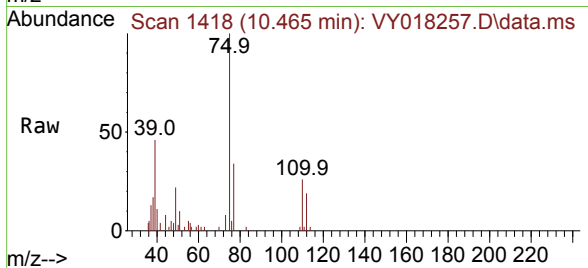




#53
 t-1,3-Dichloropropene
 Concen: 2.893 ug/l
 RT: 10.465 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VY018257.D
 Acq: 14 May 2024 14:47

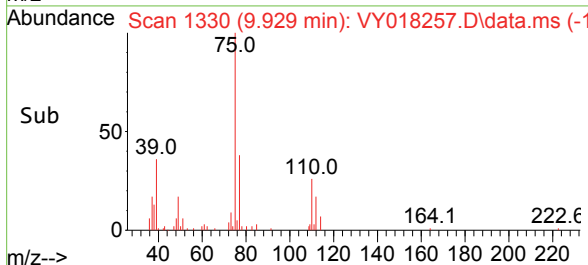
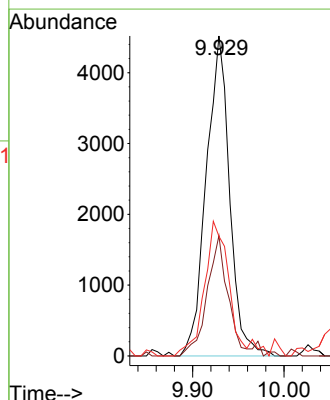
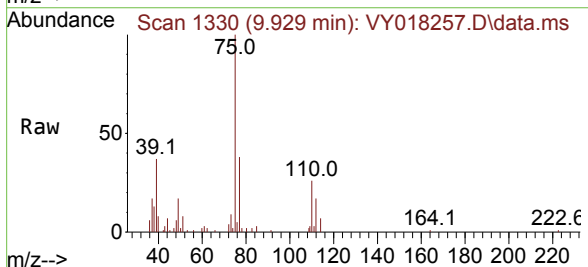
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT2-2024

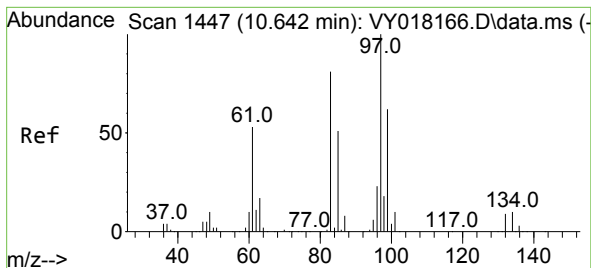
Tgt Ion: 75 Resp: 6136
 Ion Ratio Lower Upper
 75 100
 77 34.1 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 3.095 ug/l
 RT: 9.929 min Scan# 1330
 Delta R.T. -0.000 min
 Lab File: VY018257.D
 Acq: 14 May 2024 14:47

Tgt Ion: 75 Resp: 8022
 Ion Ratio Lower Upper
 75 100
 77 37.6 25.4 38.0
 39 35.6 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 3.170 ug/l

RT: 10.648 min Scan# 1447

Delta R.T. 0.006 min

Lab File: VY018257.D

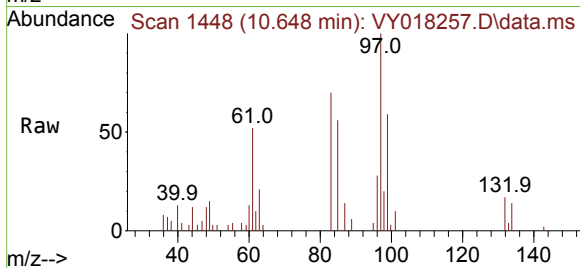
Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion: 97 Resp: 3999

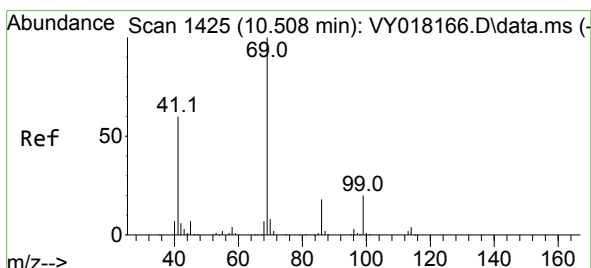
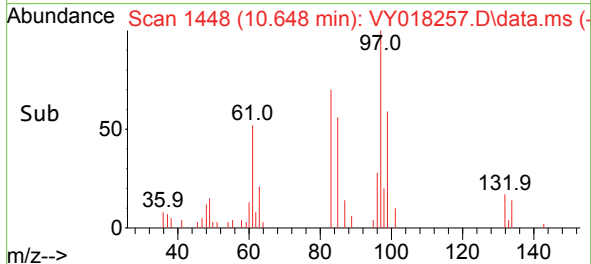
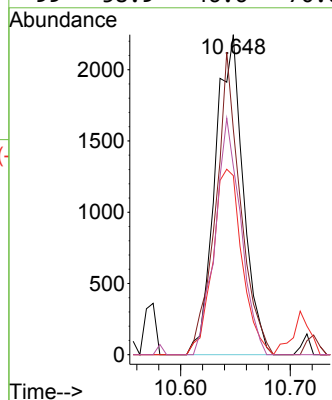
Ion Ratio Lower Upper

97 100

83 70.5 67.5 101.3

85 56.0 42.9 64.3

99 58.9 46.6 70.0



#56

Ethyl methacrylate

Concen: 3.015 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. 0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

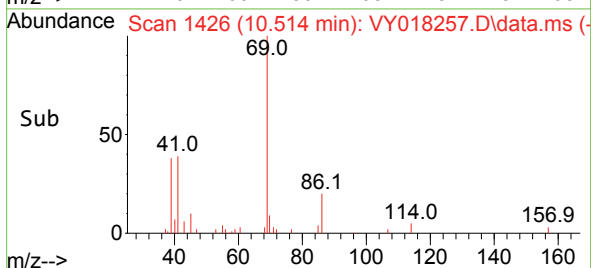
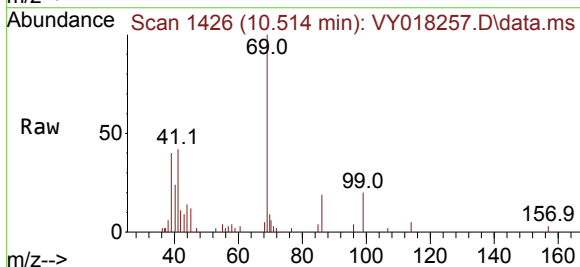
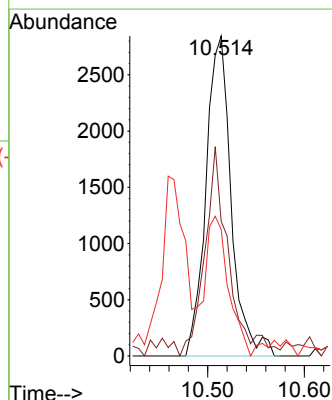
Tgt Ion: 69 Resp: 5166

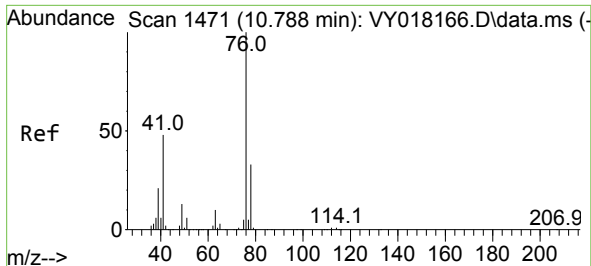
Ion Ratio Lower Upper

69 100

41 62.0 42.3 63.5

39 39.1 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 3.120 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

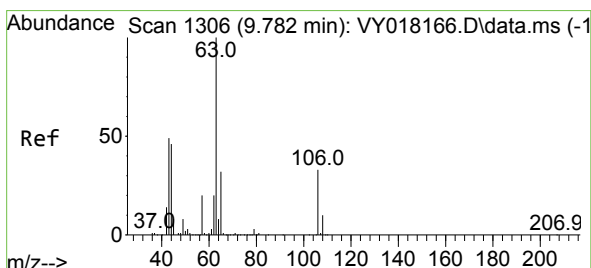
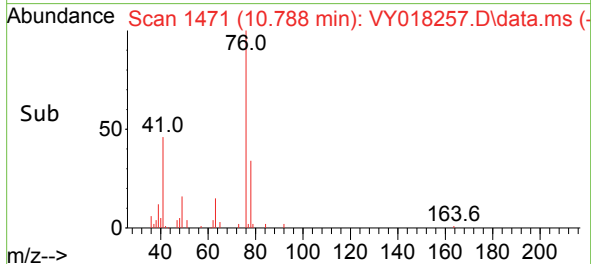
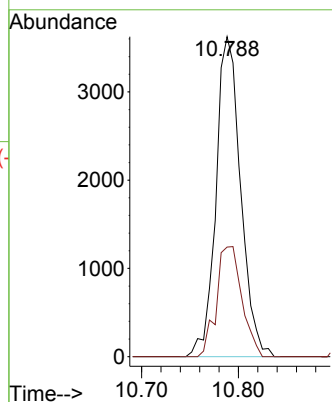
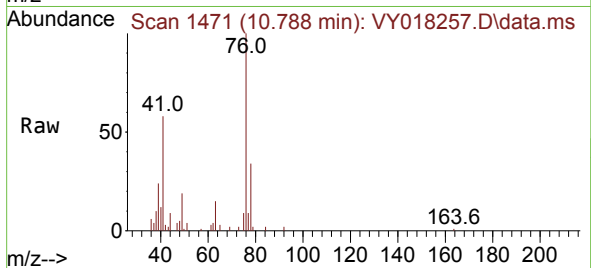
LOQ-SOIL-02-QT2-2024

Tgt Ion: 76 Resp: 6407

Ion Ratio Lower Upper

76 100

78 35.6 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 16.999 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY018257.D

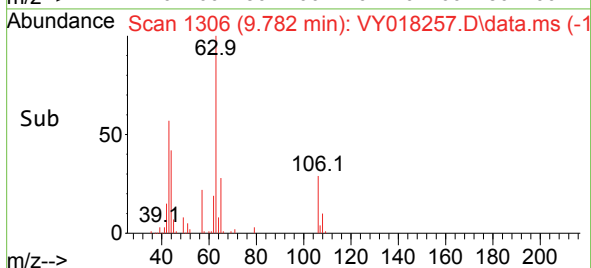
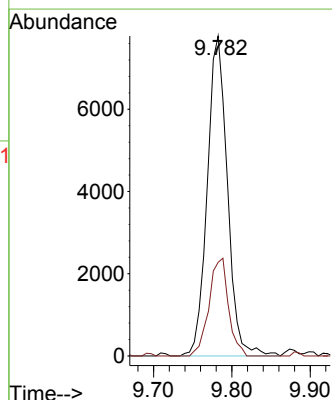
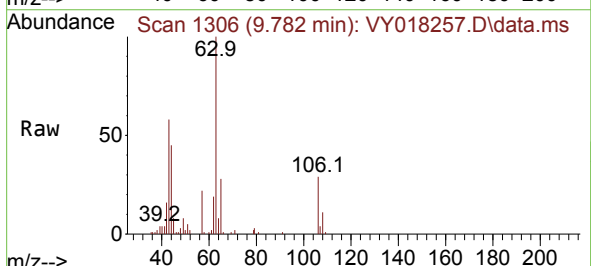
Acq: 14 May 2024 14:47

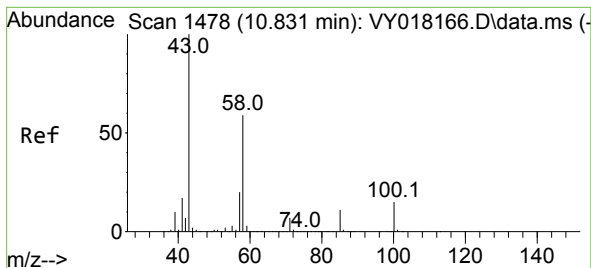
Tgt Ion: 63 Resp: 13908

Ion Ratio Lower Upper

63 100

106 29.5 23.7 35.5

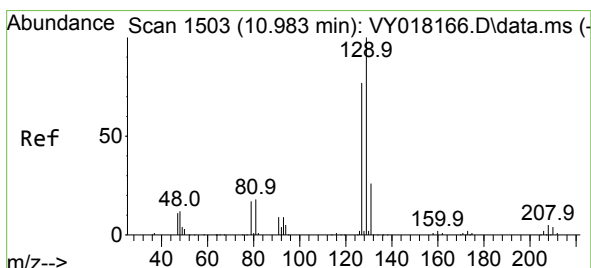
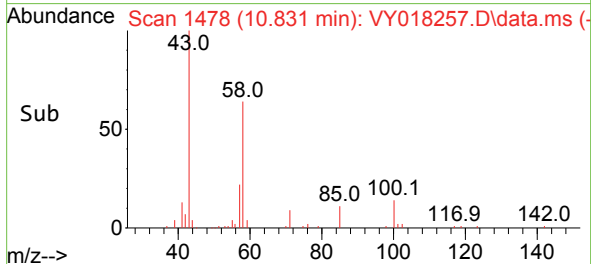
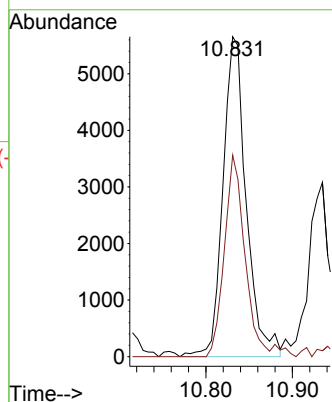
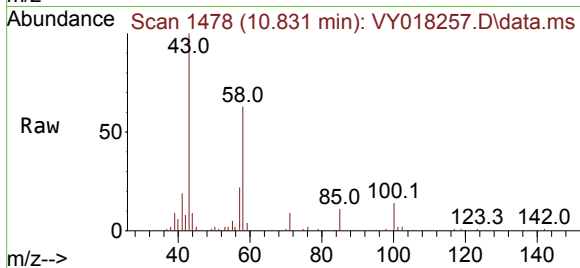




#59
2-Hexanone
Concen: 15.328 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

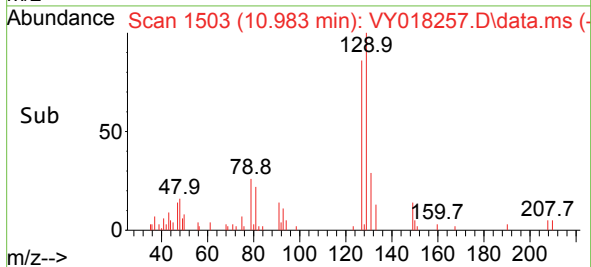
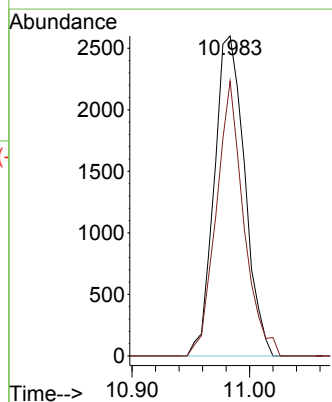
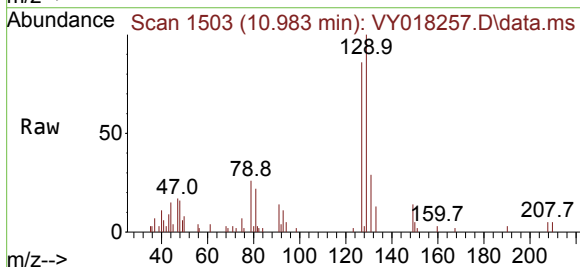
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

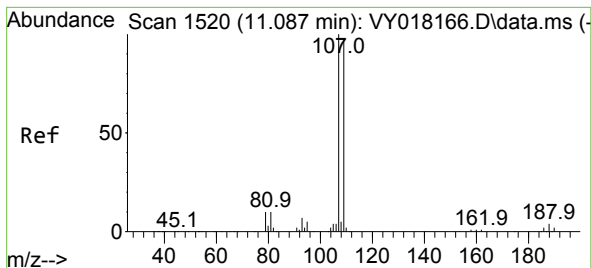
Tgt Ion: 43 Resp: 10557
Ion Ratio Lower Upper
43 100
58 54.9 31.4 94.0



#60
Dibromochloromethane
Concen: 2.860 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 129 Resp: 4681
Ion Ratio Lower Upper
129 100
127 77.5 39.0 117.0





#61

1,2-Dibromoethane

Concen: 3.061 ug/l

RT: 11.087 min Scan# 1520

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

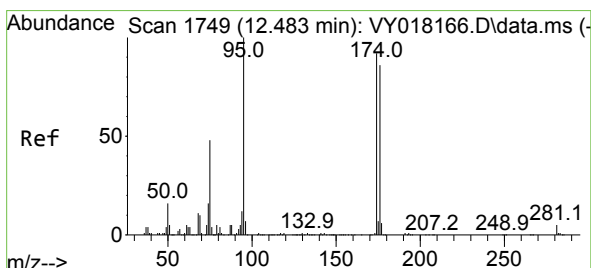
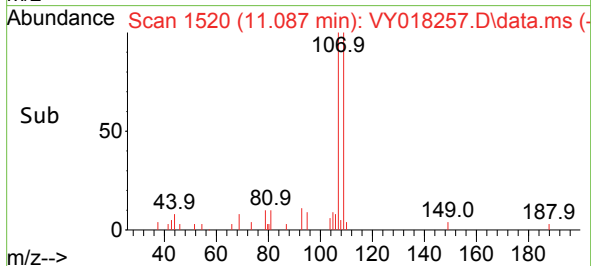
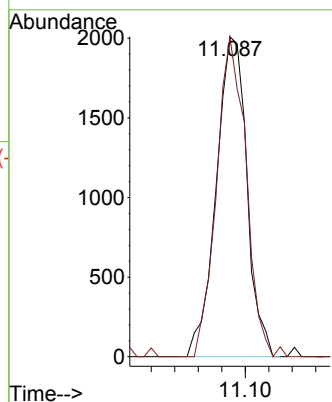
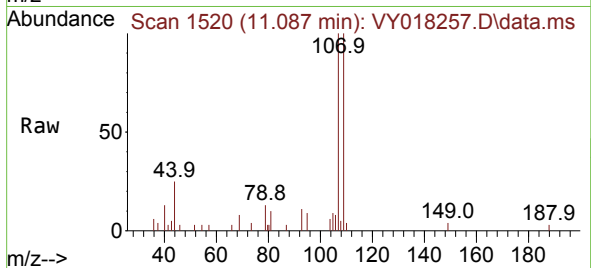
LOQ-SOIL-02-QT2-2024

Tgt Ion:107 Resp: 3637

Ion Ratio Lower Upper

107 100

109 96.6 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 53.801 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

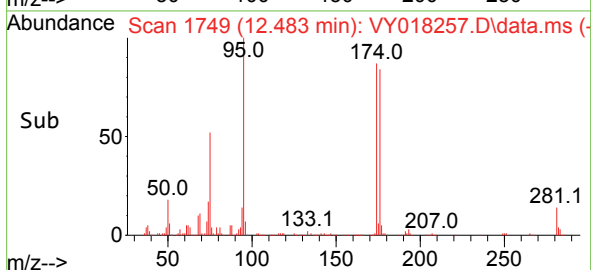
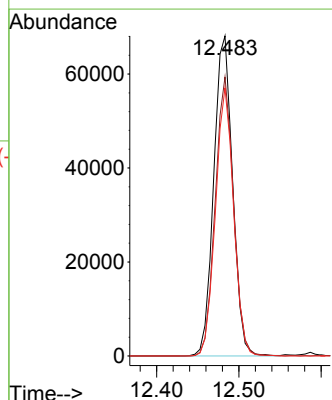
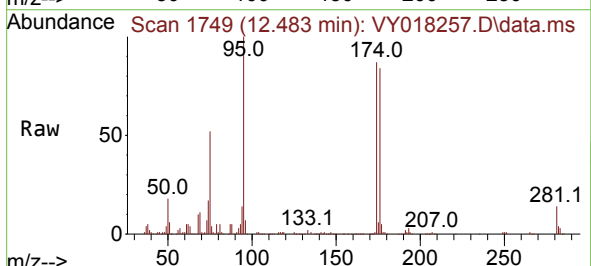
Tgt Ion: 95 Resp: 108492

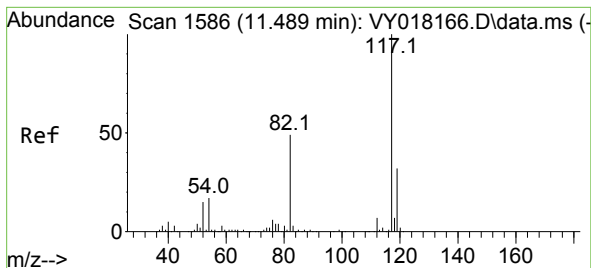
Ion Ratio Lower Upper

95 100

174 85.2 0.0 175.6

176 80.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

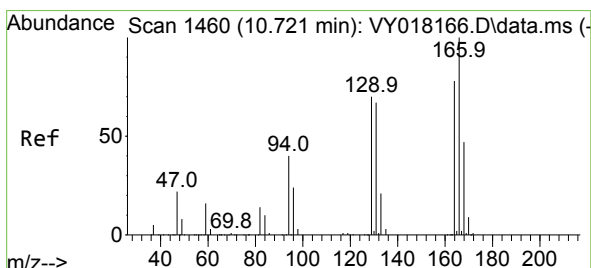
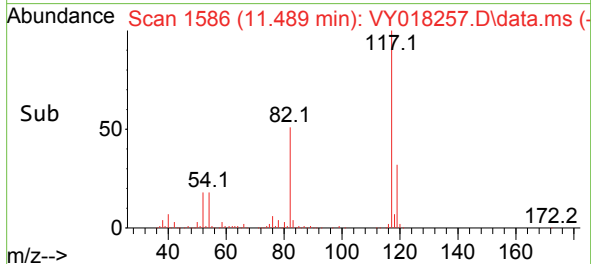
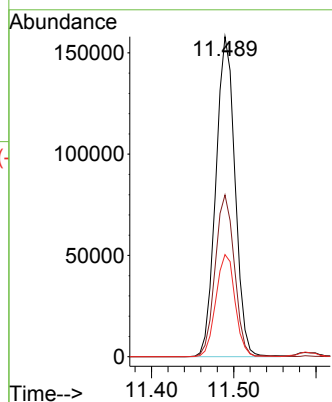
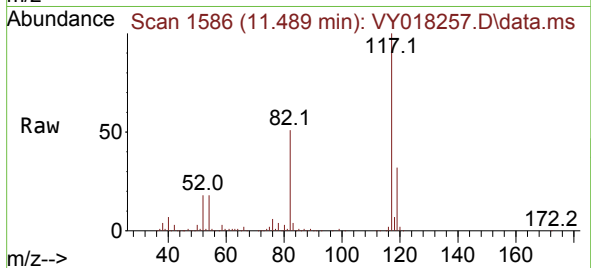
Tgt Ion:117 Resp: 256660

Ion Ratio Lower Upper

117 100

82 50.5 42.4 63.6

119 31.9 25.9 38.9



#64

Tetrachloroethene

Concen: 3.123 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Tgt Ion:164 Resp: 5337

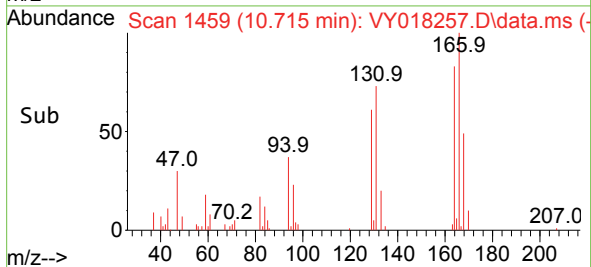
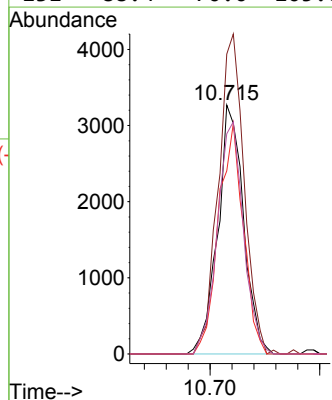
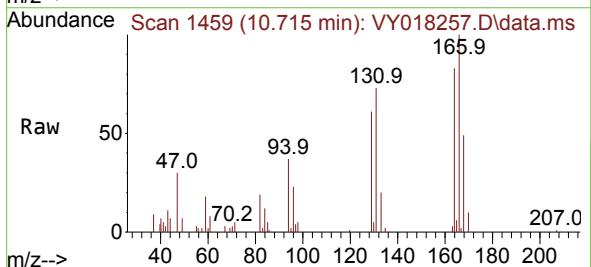
Ion Ratio Lower Upper

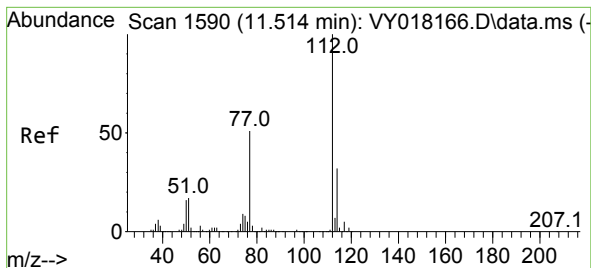
164 100

166 120.4 102.6 154.0

129 73.5 72.0 108.0

131 88.4 70.0 105.0





#65

Chlorobenzene

Concen: 3.118 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

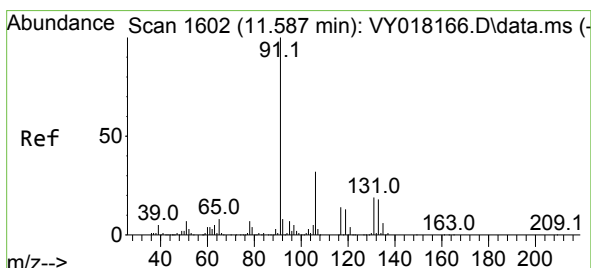
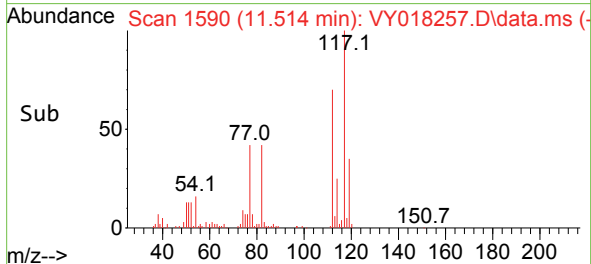
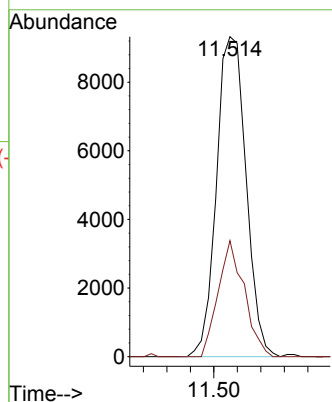
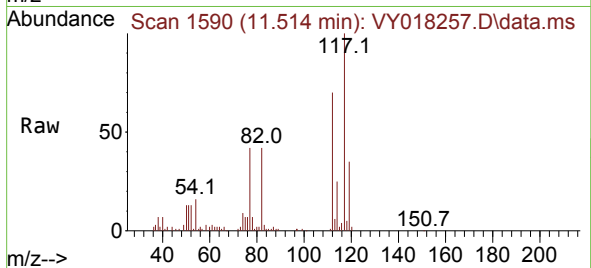
LOQ-SOIL-02-QT2-2024

Tgt Ion:112 Resp: 16297

Ion Ratio Lower Upper

112 100

114 36.3 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 2.979 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

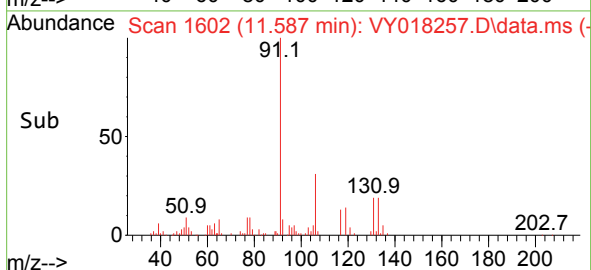
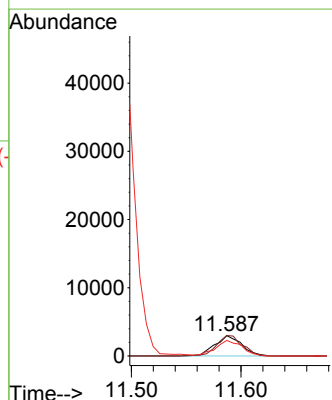
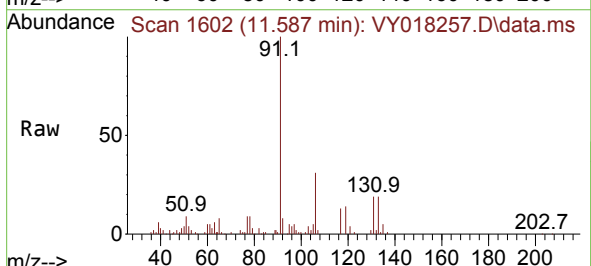
Tgt Ion:131 Resp: 5037

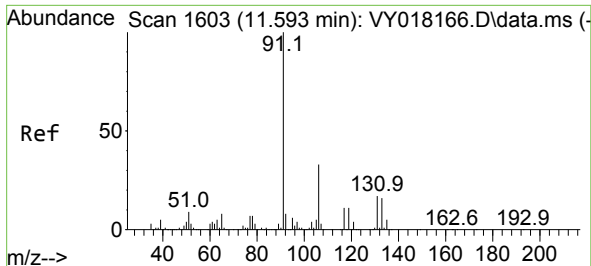
Ion Ratio Lower Upper

131 100

133 96.2 47.8 143.3

119 75.9 34.1 102.2

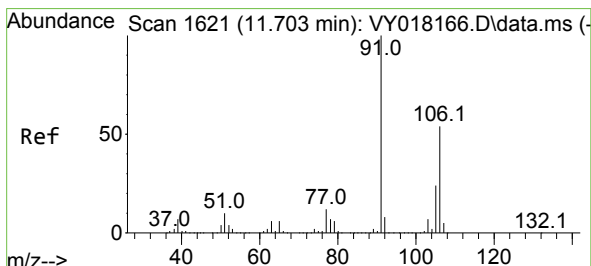
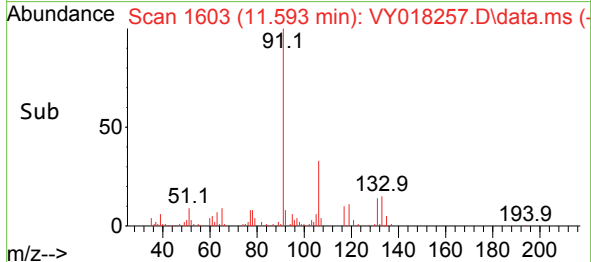
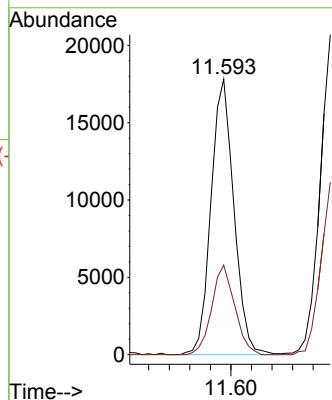
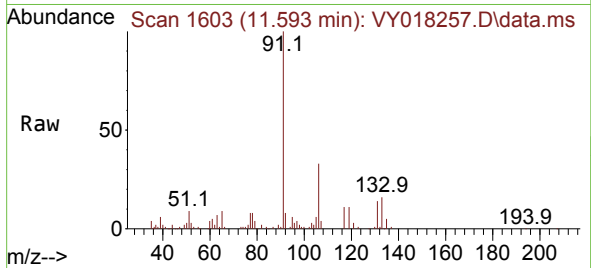




#67
Ethyl Benzene
Concen: 3.124 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

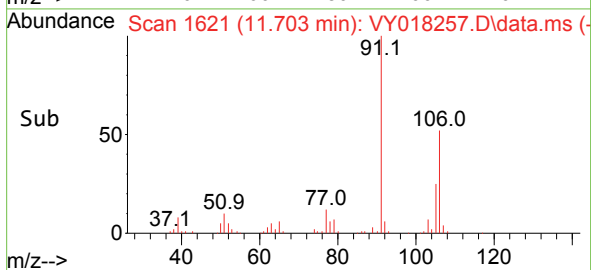
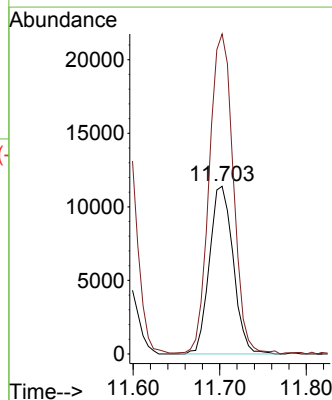
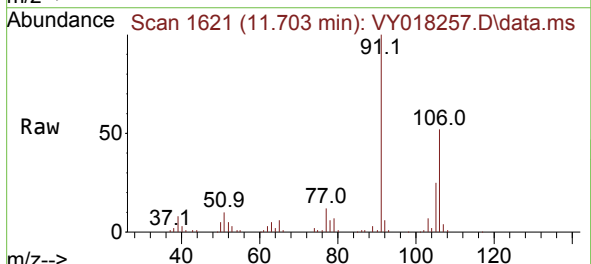
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

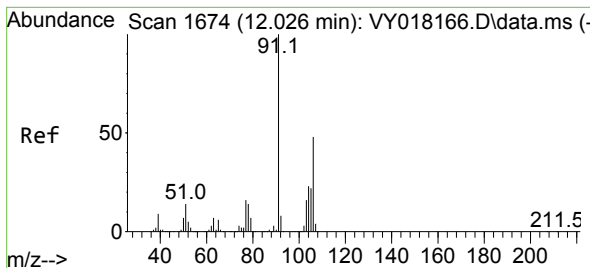
Tgt Ion: 91 Resp: 27571
Ion Ratio Lower Upper
91 100
106 32.5 24.5 36.7



#68
m/p-Xylenes
Concen: 6.215 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 106 Resp: 21692
Ion Ratio Lower Upper
106 100
91 192.1 156.0 234.0





#69

o-Xylene

Concen: 3.028 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

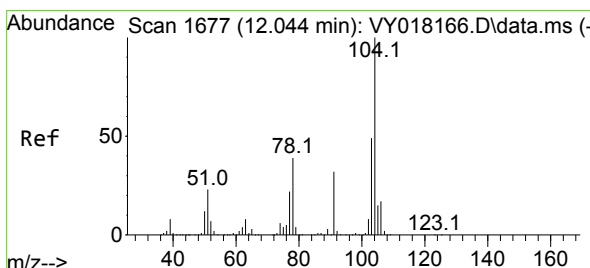
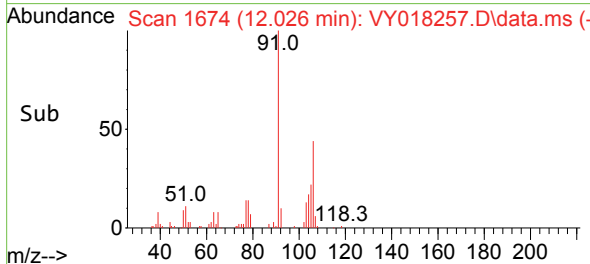
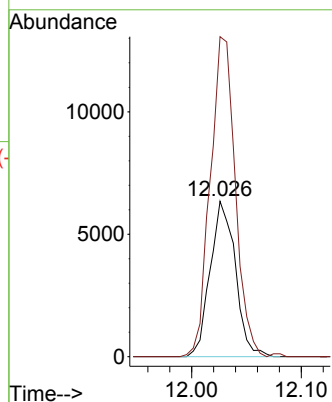
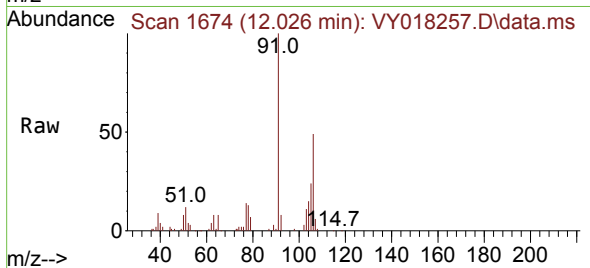
LOQ-SOIL-02-QT2-2024

Tgt Ion:106 Resp: 10142

Ion Ratio Lower Upper

106 100

91 204.6 103.6 310.8



#70

Styrene

Concen: 2.889 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

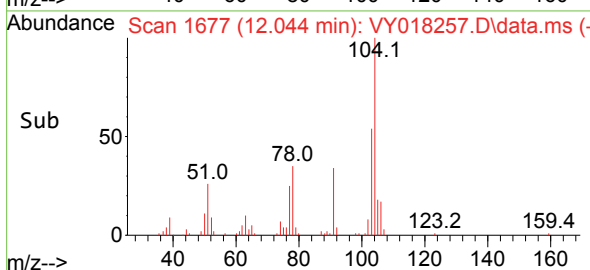
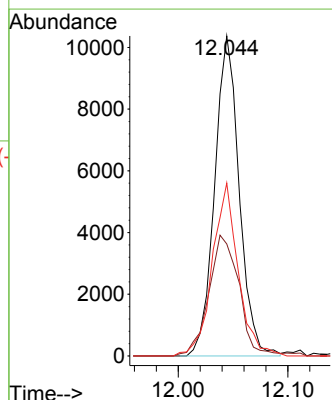
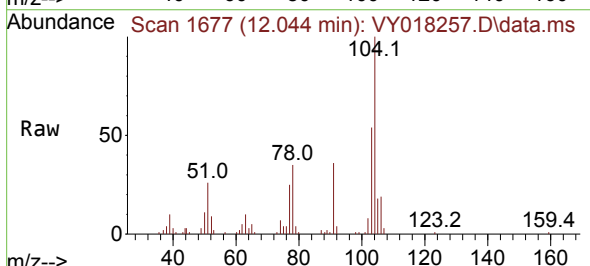
Tgt Ion:104 Resp: 16158

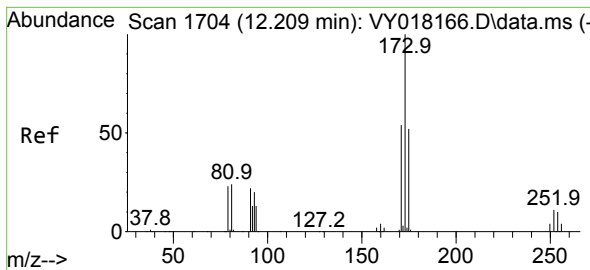
Ion Ratio Lower Upper

104 100

78 46.7 37.0 55.4

103 56.9 44.2 66.2





#71

Bromoform

Concen: 2.658 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

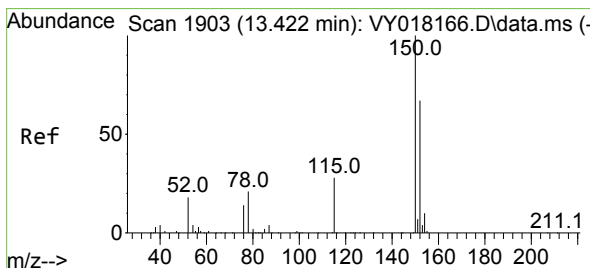
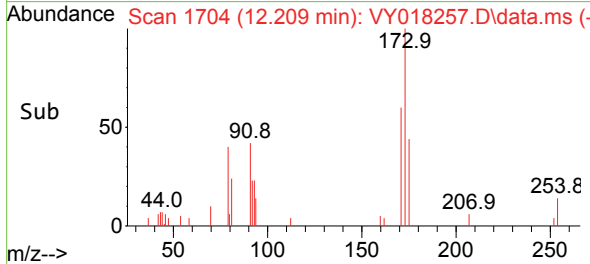
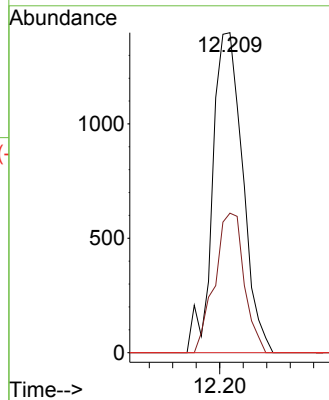
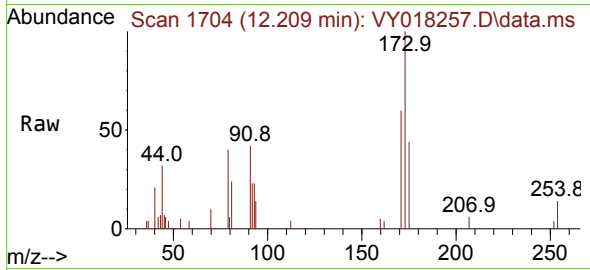
Tgt Ion:173 Resp: 2487

Ion Ratio Lower Upper

173 100

175 42.7 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

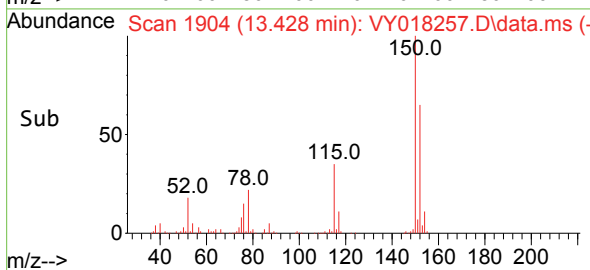
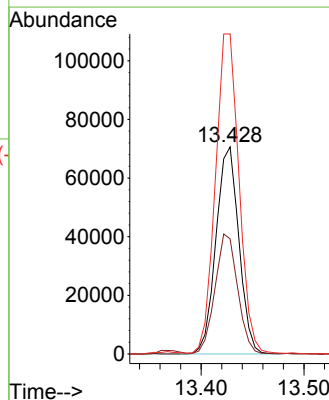
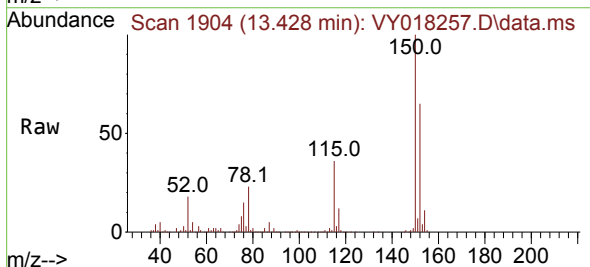
Tgt Ion:152 Resp: 109245

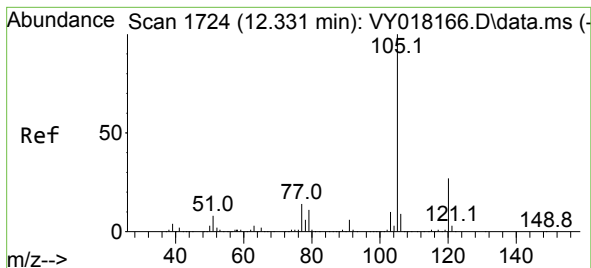
Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 159.2 0.0 345.6





#73

Isopropylbenzene

Concen: 3.145 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

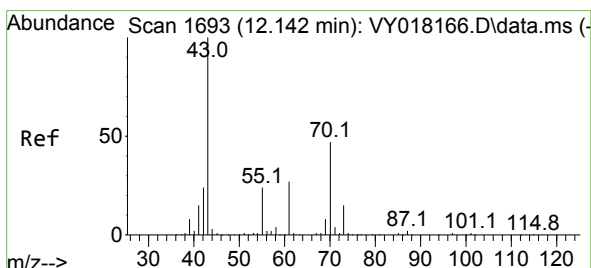
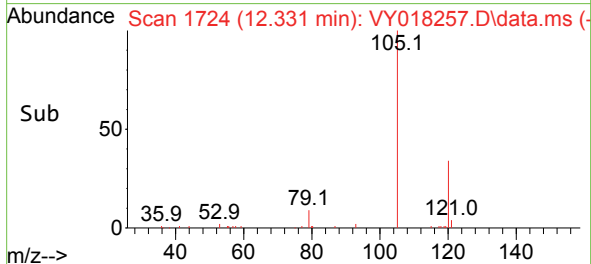
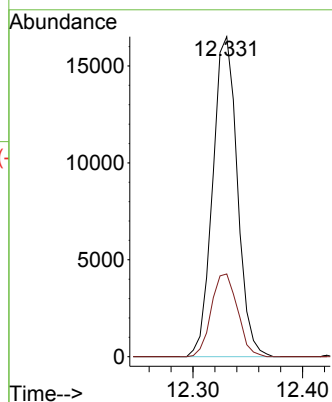
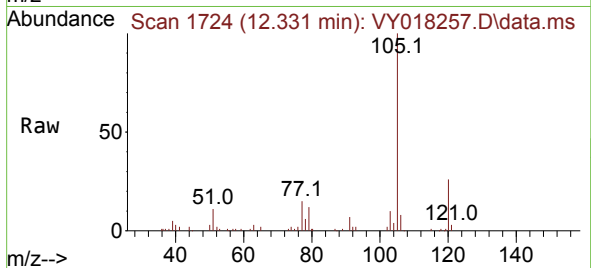
LOQ-SOIL-02-QT2-2024

Tgt Ion:105 Resp: 25763

Ion Ratio Lower Upper

105 100

120 27.5 13.4 40.1



#74

N-ethyl acetate

Concen: 3.132 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Tgt Ion: 43 Resp: 5325

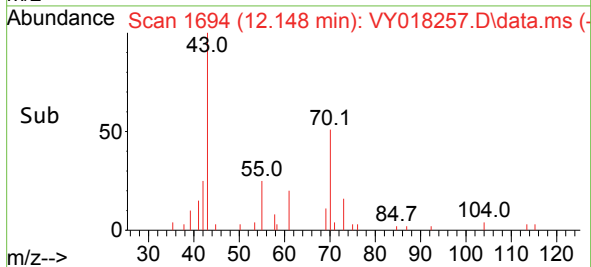
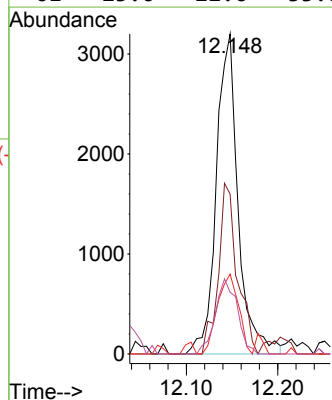
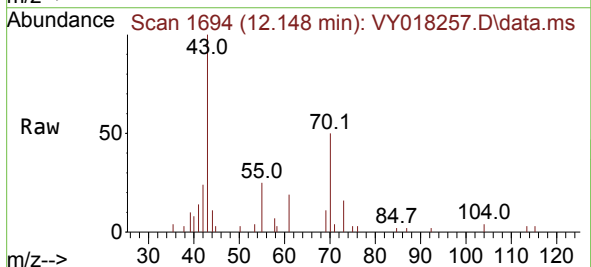
Ion Ratio Lower Upper

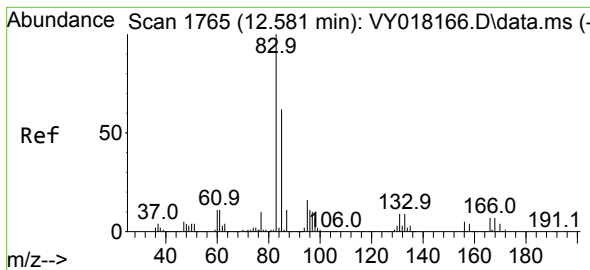
43 100

70 46.5 41.4 62.2

55 24.0 23.3 34.9

61 23.6 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 3.050 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

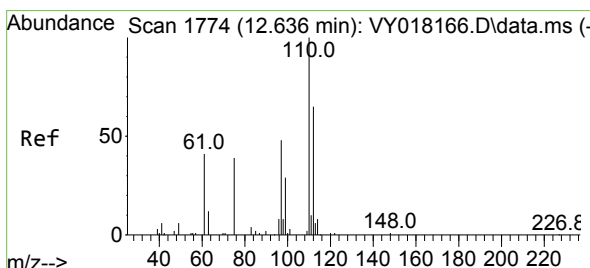
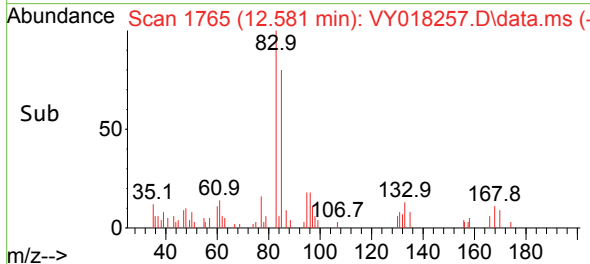
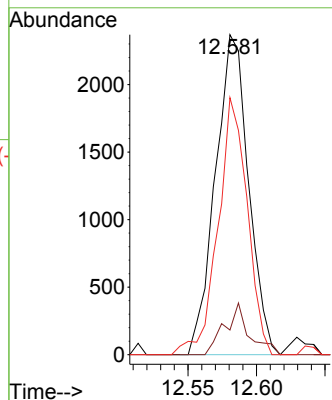
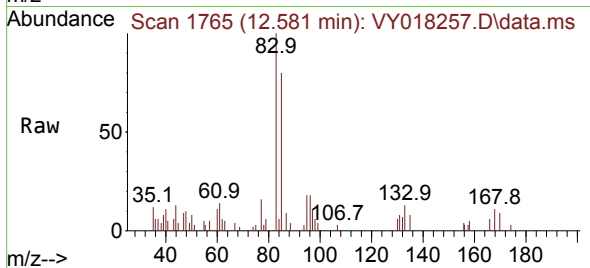
Tgt Ion: 83 Resp: 3985

Ion Ratio Lower Upper

83 100

131 11.9 5.0 14.9

85 70.9 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 6.488 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY018257.D

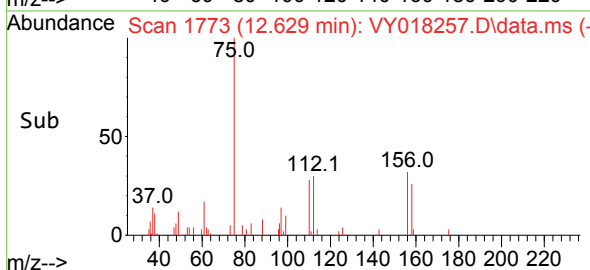
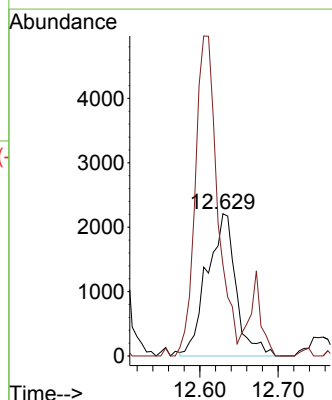
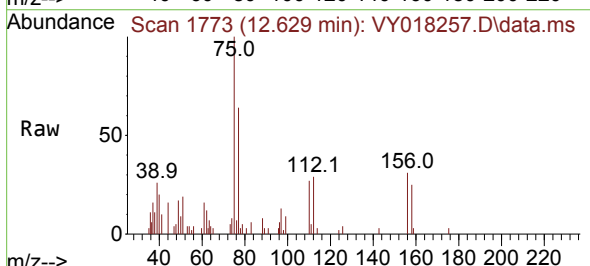
Acq: 14 May 2024 14:47

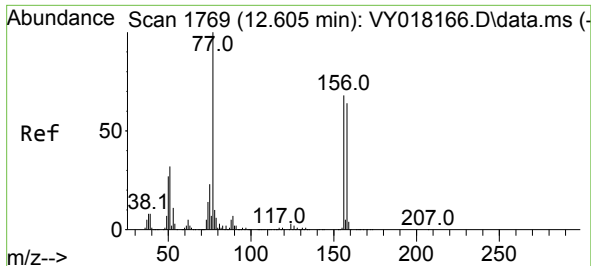
Tgt Ion: 75 Resp: 5673

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

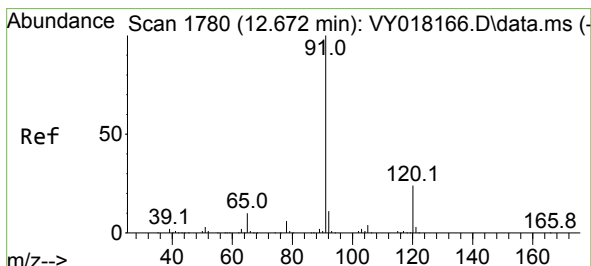
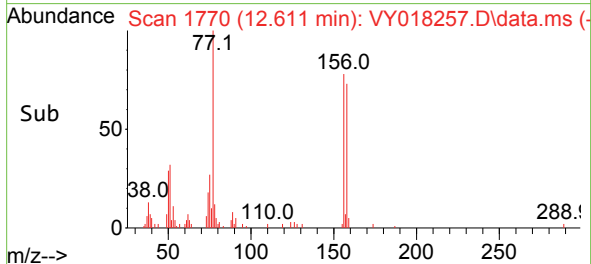
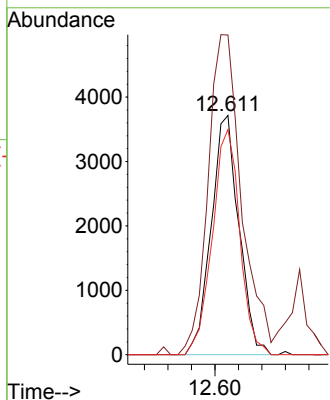
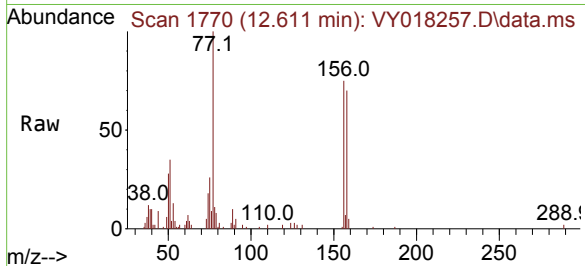




#77
Bromobenzene
Concen: 3.237 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

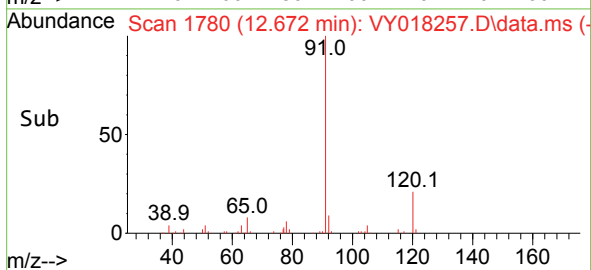
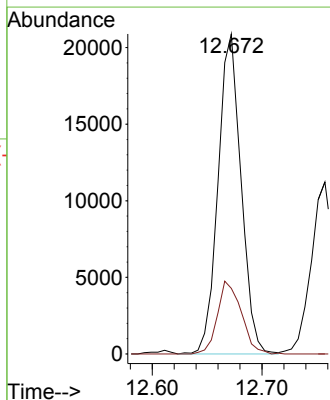
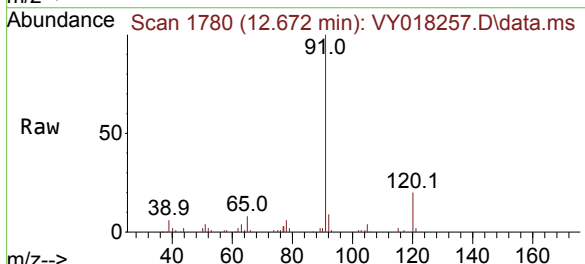
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

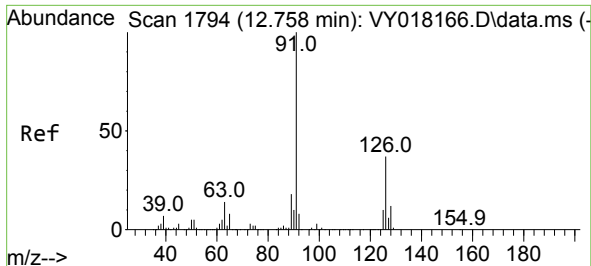
Tgt Ion:156 Resp: 6090
Ion Ratio Lower Upper
156 100
77 161.4 87.1 261.3
158 93.3 48.6 145.9



#78
n-propylbenzene
Concen: 3.199 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 91 Resp: 30474
Ion Ratio Lower Upper
91 100
120 23.6 11.5 34.4

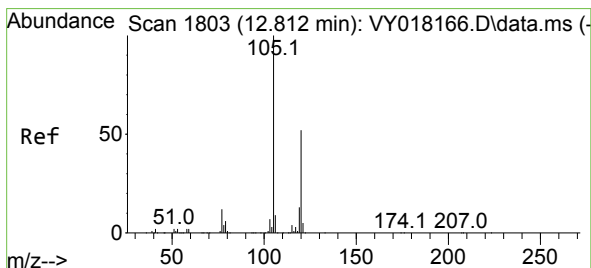
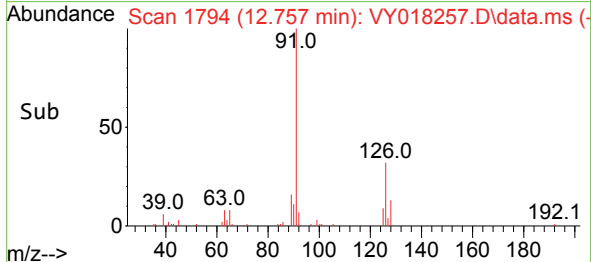
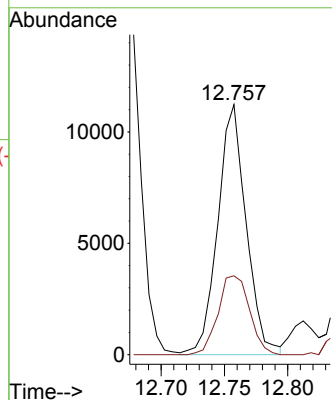
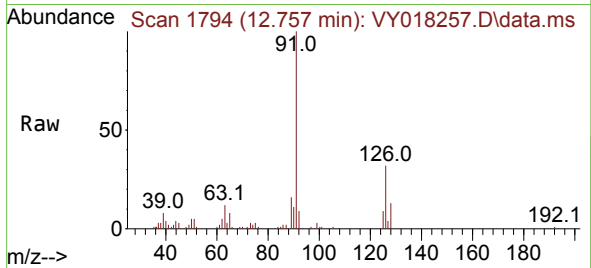




#79
2-Chlorotoluene
Concen: 3.311 ug/l
RT: 12.757 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

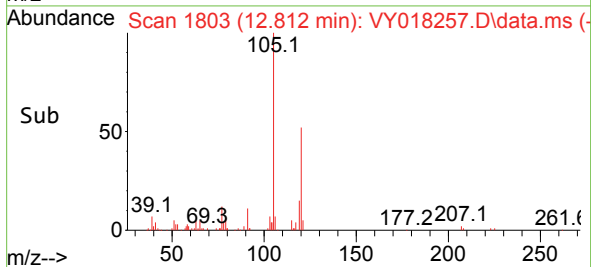
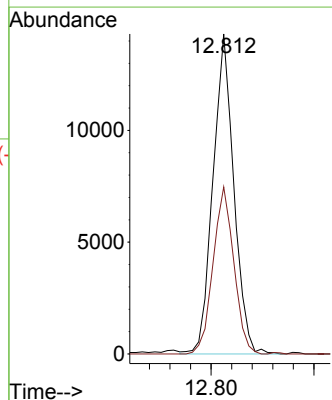
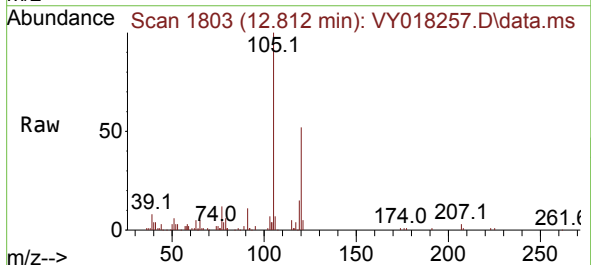
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

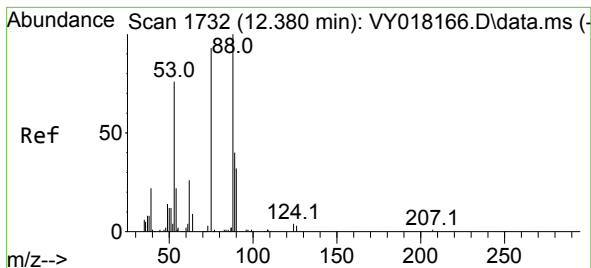
Tgt Ion: 91 Resp: 17530
Ion Ratio Lower Upper
91 100
126 34.9 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 3.116 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 105 Resp: 20125
Ion Ratio Lower Upper
105 100
120 52.0 25.1 75.2

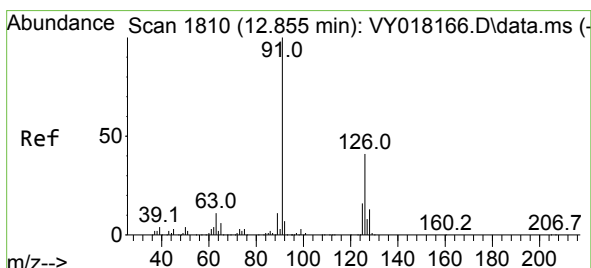
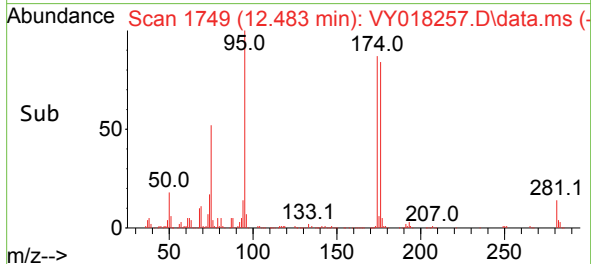
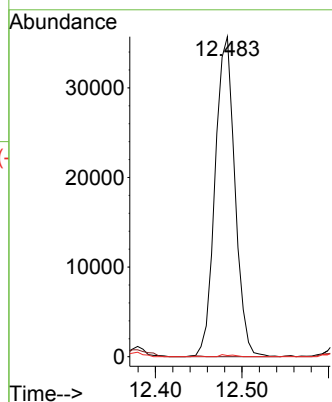
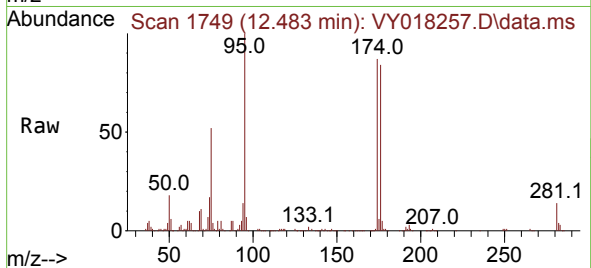




#81
trans-1,4-Dichloro-2-butene
Concen: 125.089 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

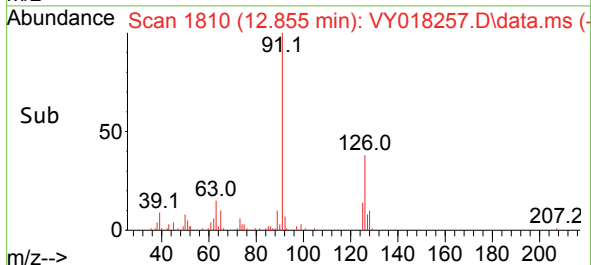
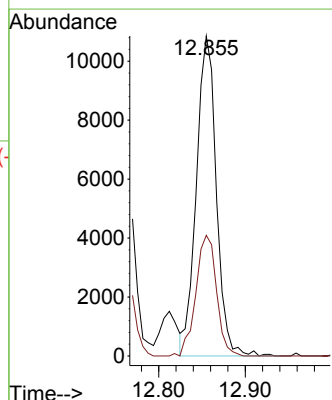
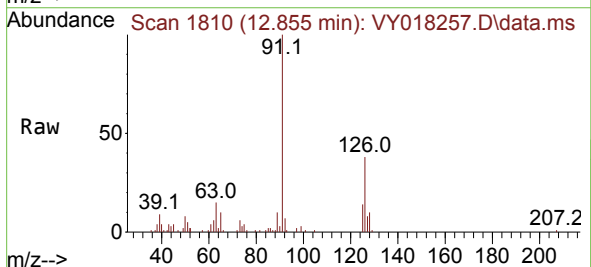
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

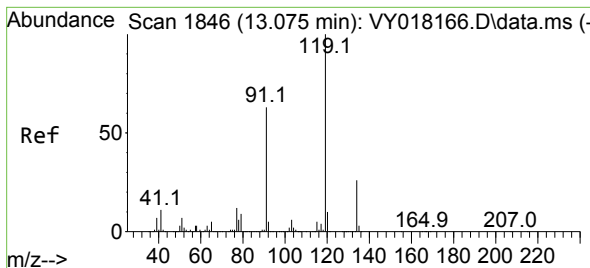
Tgt Ion: 75 Resp: 56773
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#



#82
4-Chlorotoluene
Concen: 3.271 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion: 91 Resp: 17392
Ion Ratio Lower Upper
91 100
126 39.0 17.6 52.9





#83

tert-Butylbenzene

Concen: 3.145 ug/l

RT: 13.074 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

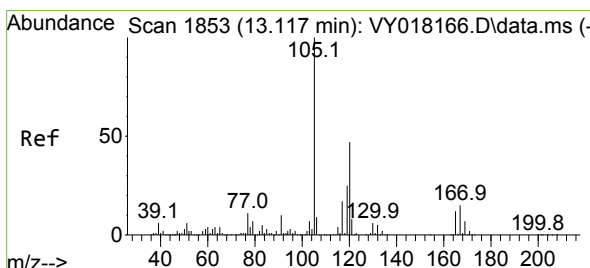
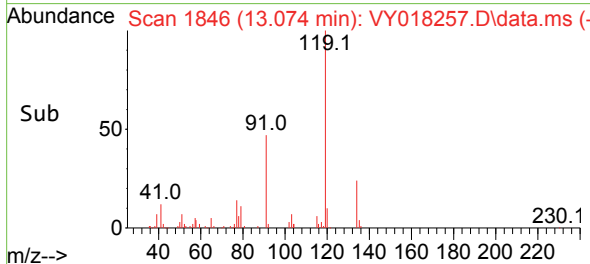
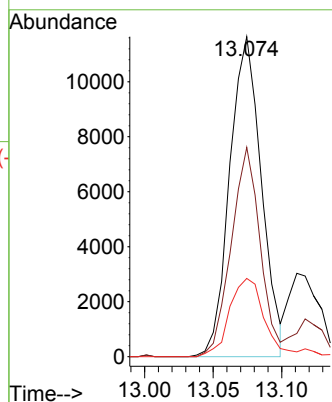
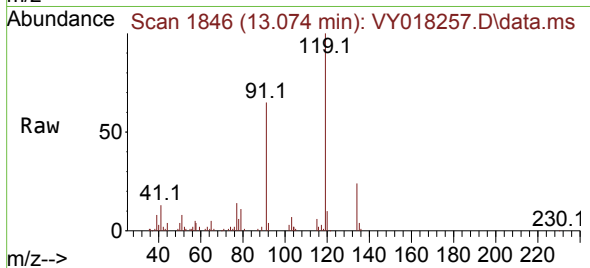
Tgt Ion:119 Resp: 18737

Ion Ratio Lower Upper

119 100

91 59.8 31.3 93.8

134 27.9 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 3.173 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY018257.D

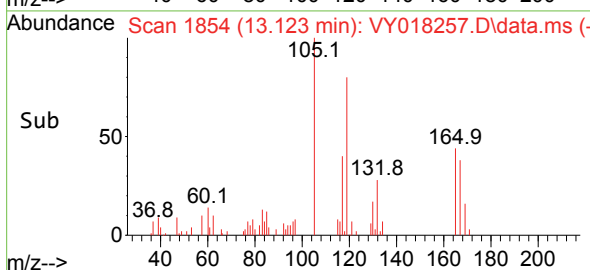
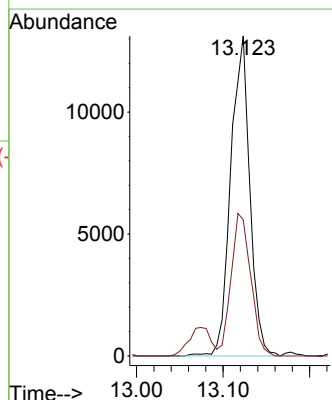
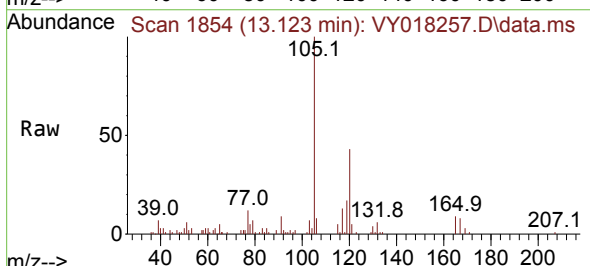
Acq: 14 May 2024 14:47

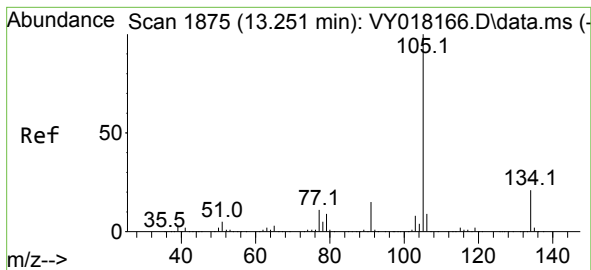
Tgt Ion:105 Resp: 20073

Ion Ratio Lower Upper

105 100

120 45.7 23.2 69.6

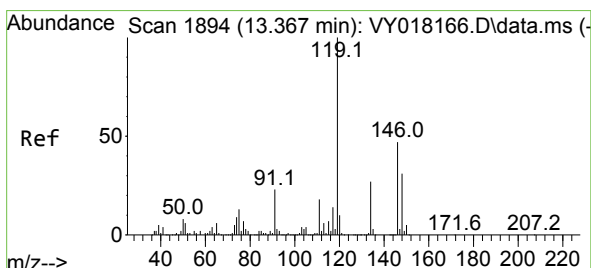
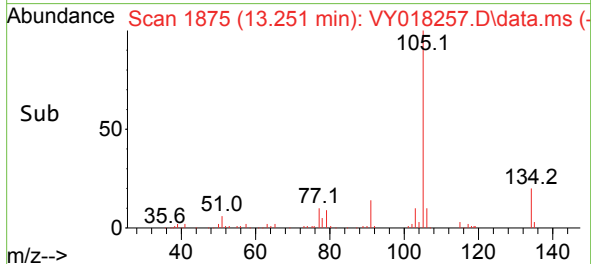
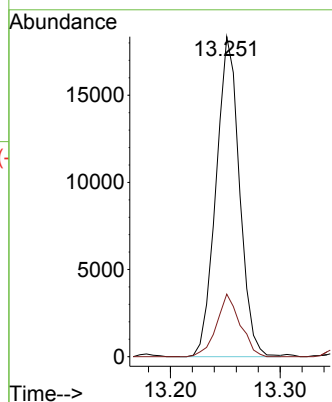
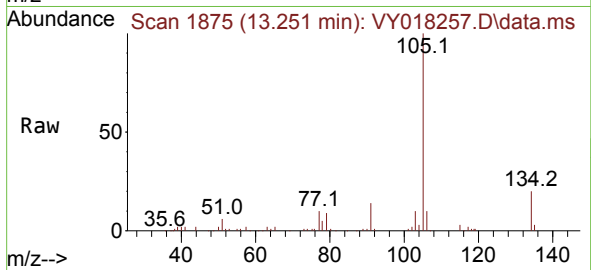




#85
sec-Butylbenzene
Concen: 3.125 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

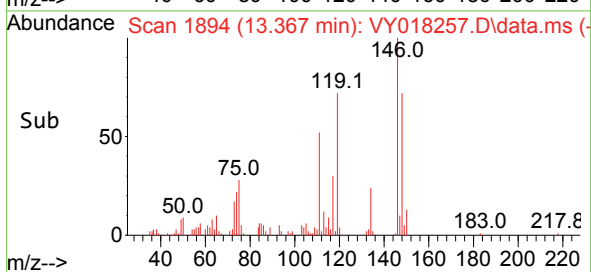
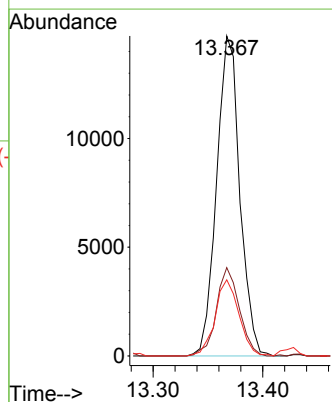
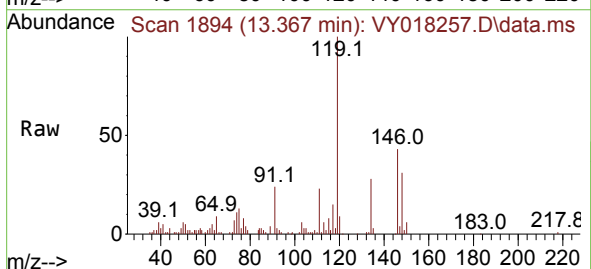
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

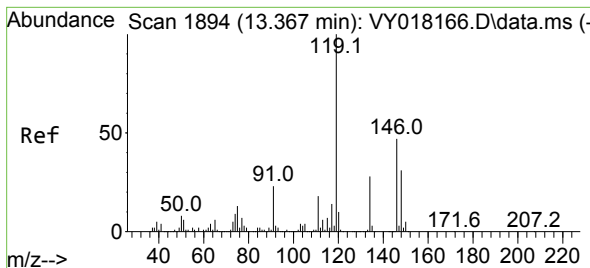
Tgt Ion:105 Resp: 27305
Ion Ratio Lower Upper
105 100
134 19.7 10.1 30.1



#86
p-Isopropyltoluene
Concen: 3.015 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion:119 Resp: 21675
Ion Ratio Lower Upper
119 100
134 27.3 13.1 39.3
91 24.5 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 3.076 ug/l

RT: 13.361 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

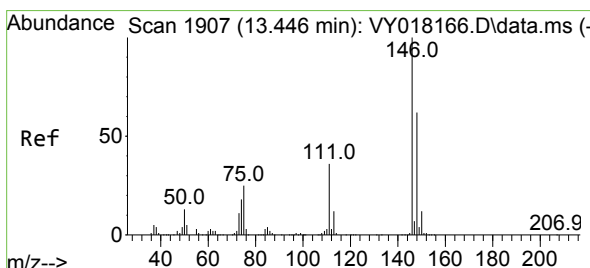
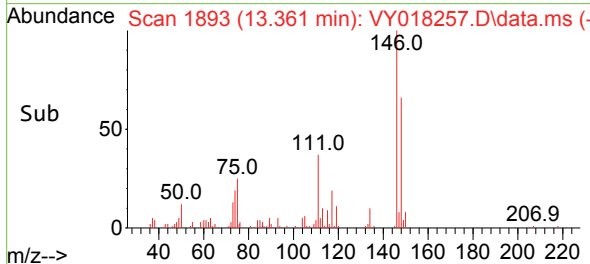
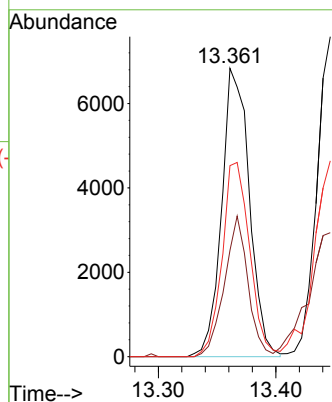
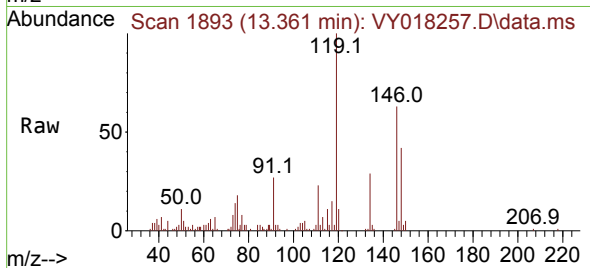
Tgt Ion:146 Resp: 11178

Ion Ratio Lower Upper

146 100

111 41.6 19.0 57.0

148 67.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 3.228 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

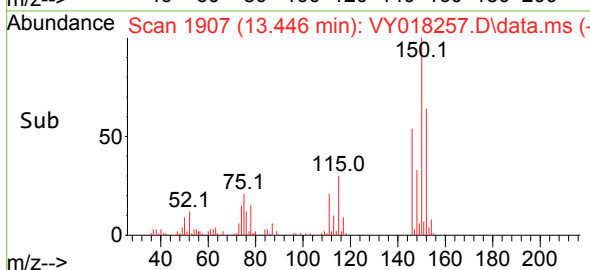
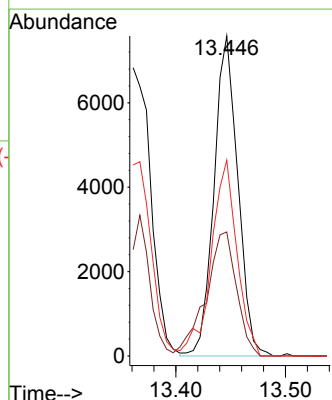
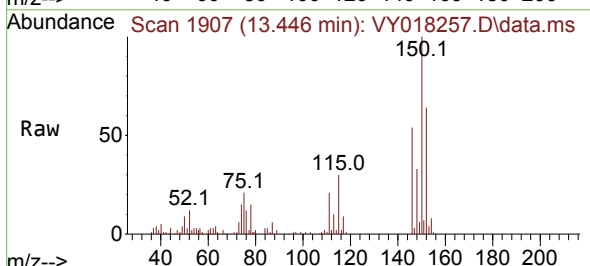
Tgt Ion:146 Resp: 11434

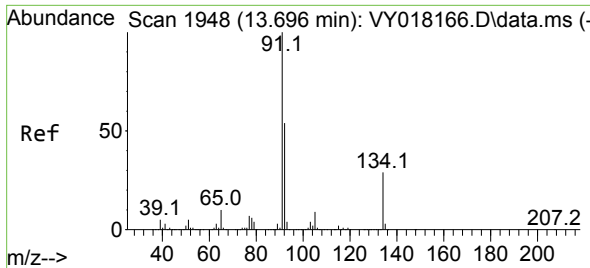
Ion Ratio Lower Upper

146 100

111 50.0 18.4 55.4

148 66.0 32.4 97.2

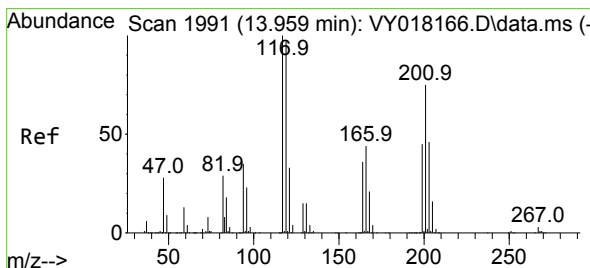
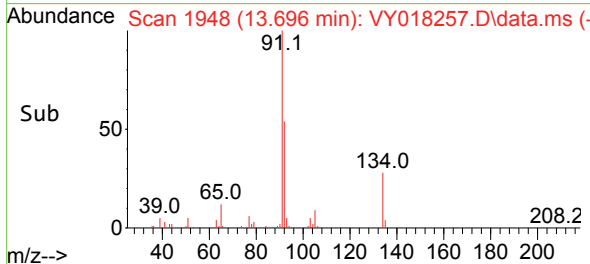
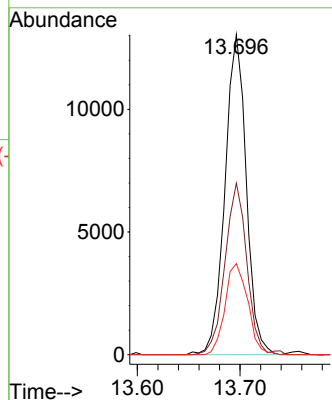
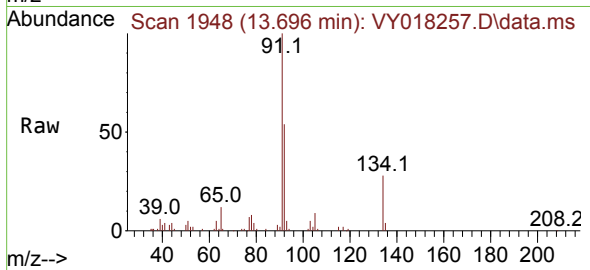




#89
n-Butylbenzene
Concen: 2.885 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

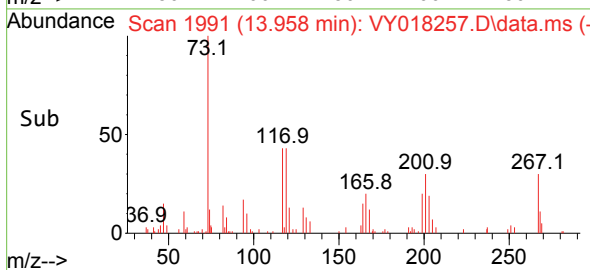
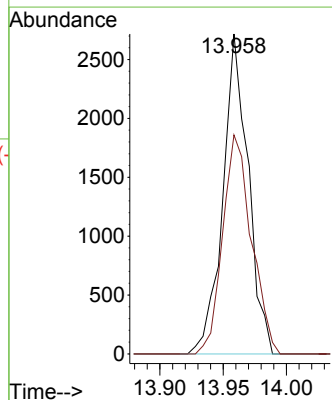
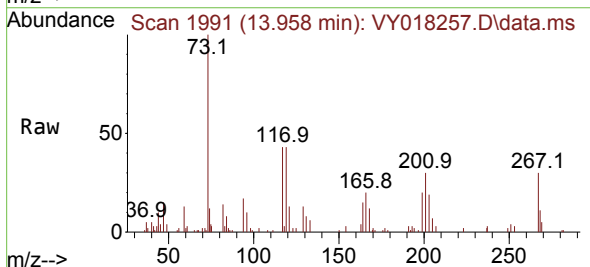
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

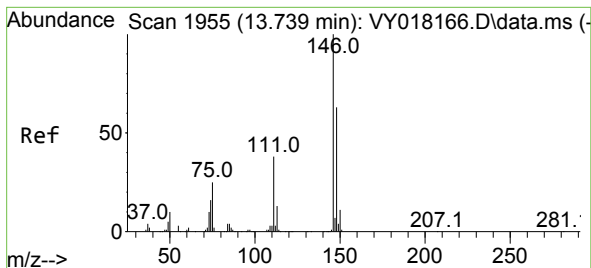
Tgt Ion:	91	Resp:	18769
Ion	Ratio	Lower	Upper
91	100		
92	55.3	26.6	79.7
134	30.4	12.9	38.7



#90
Hexachloroethane
Concen: 2.679 ug/l
RT: 13.958 min Scan# 1991
Delta R.T. -0.000 min
Lab File: VY018257.D
Acq: 14 May 2024 14:47

Tgt Ion:	117	Resp:	3778
Ion	Ratio	Lower	Upper
117	100		
201	77.8	37.4	112.2





#91

1,2-Dichlorobenzene

Concen: 3.078 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

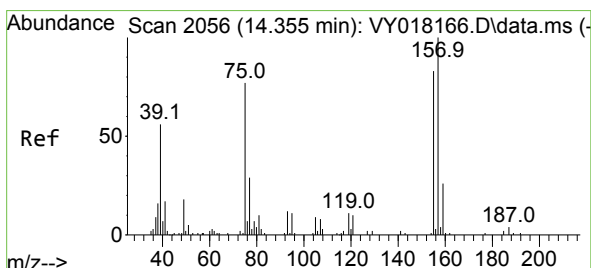
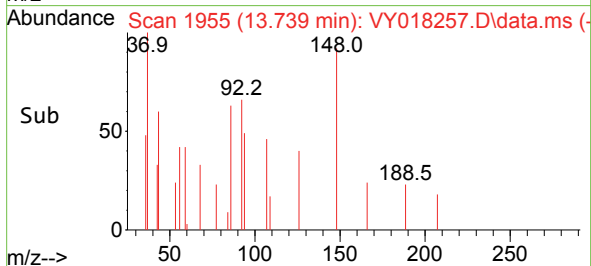
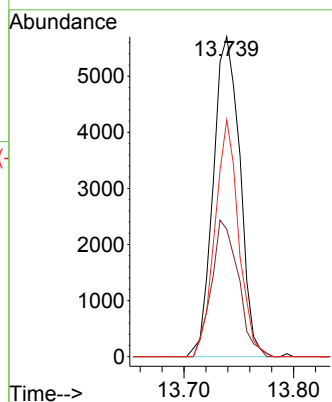
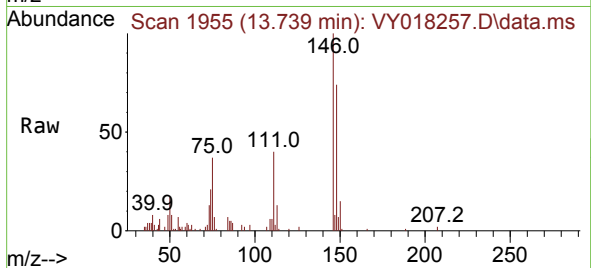
Tgt Ion:146 Resp: 9615

Ion Ratio Lower Upper

146 100

111 42.9 19.9 59.7

148 66.1 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.844 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

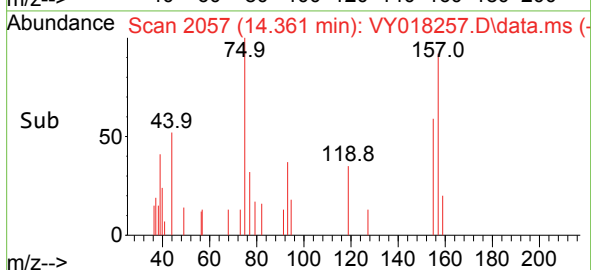
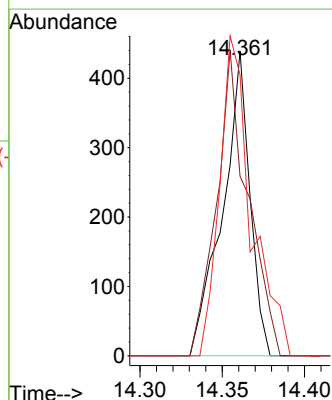
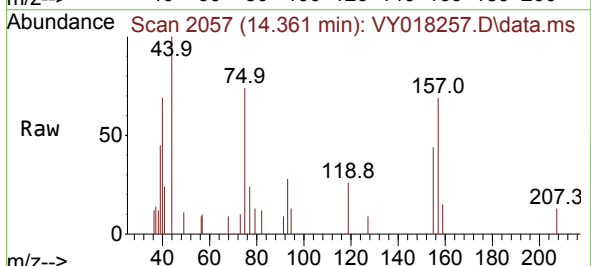
Tgt Ion: 75 Resp: 506

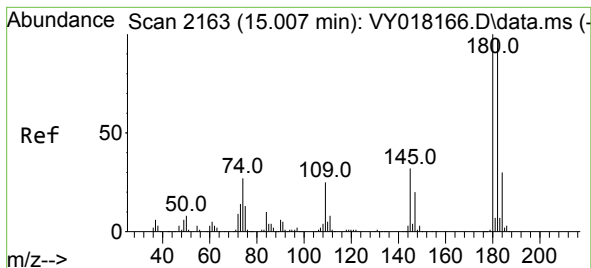
Ion Ratio Lower Upper

75 100

155 116.0 48.6 145.8

157 121.7 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 2.670 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

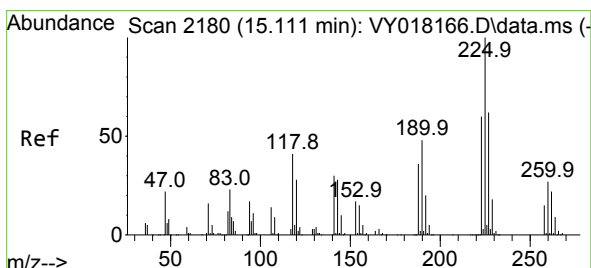
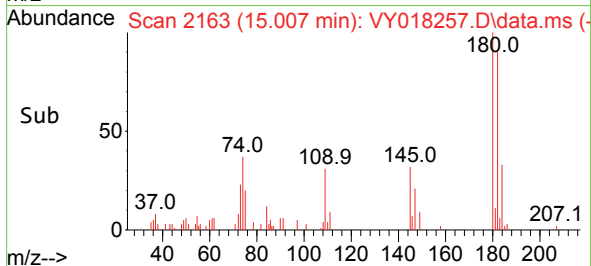
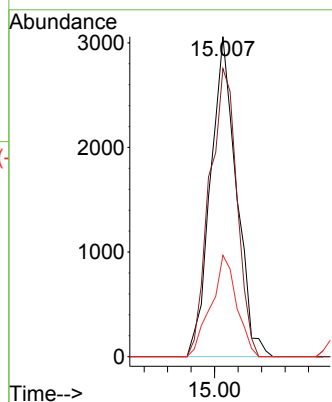
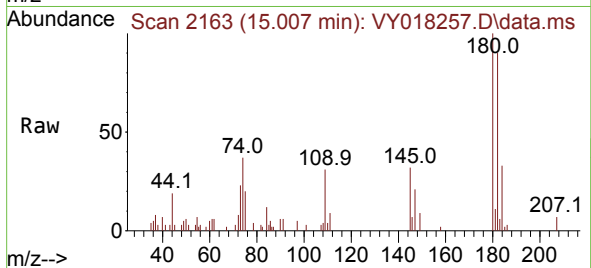
Tgt Ion:180 Resp: 4689

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.8

145 31.3 14.2 42.6



#94

Hexachlorobutadiene

Concen: 2.787 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

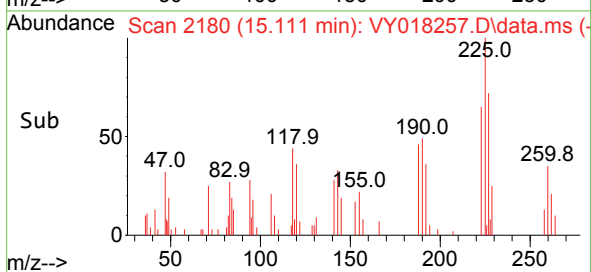
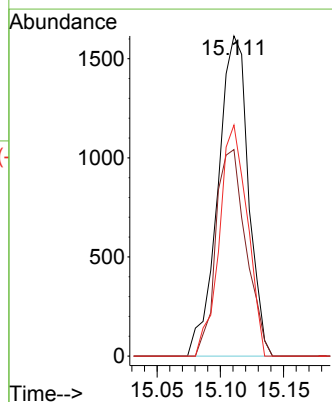
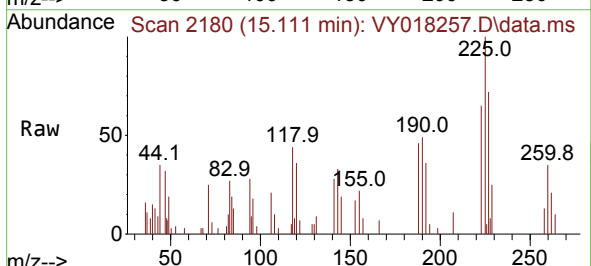
Tgt Ion:225 Resp: 2700

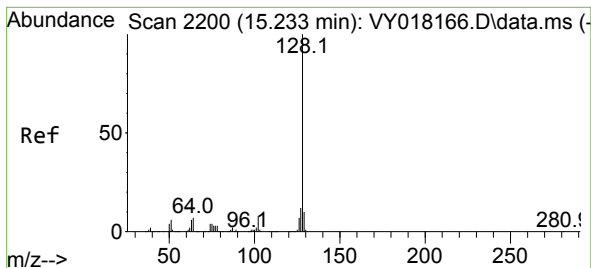
Ion Ratio Lower Upper

225 100

223 64.0 30.4 91.2

227 66.4 31.9 95.9





#95

Naphthalene

Concen: 2.626 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2024

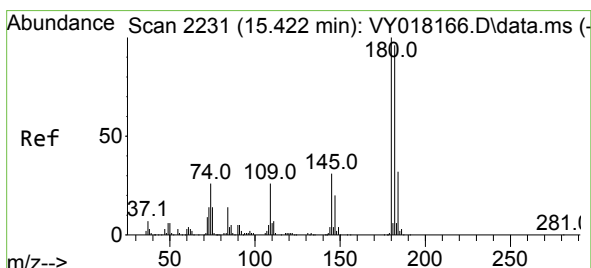
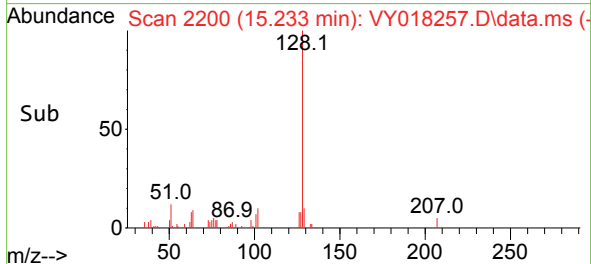
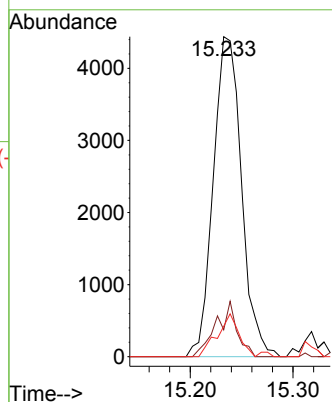
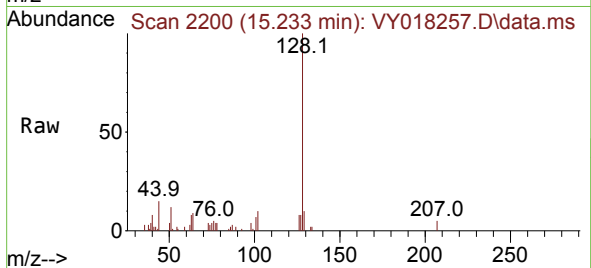
Tgt Ion:128 Resp: 8450

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 10.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.931 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY018257.D

Acq: 14 May 2024 14:47

Tgt Ion:180 Resp: 4224

Ion Ratio Lower Upper

180 100

182 87.4 47.6 142.9

145 31.9 15.4 46.1

