

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
 Data File : VY018256.D
 Acq On : 14 May 2024 14:24
 Operator : SY/MD
 Sample : P2403-01 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: May 15 05:18:32 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	191041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	323697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	108782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71308	50.738	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.480%
35) Dibromofluoromethane	7.710	113	84986	49.957	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.920%
50) Toluene-d8	10.179	98	355908	53.091	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.180%
62) 4-Bromofluorobenzene	12.477	95	101342	46.811	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.620%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	8292	5.473	ug/l	90
3) Chloromethane	2.113	50	11694	5.766	ug/l	95
4) Vinyl Chloride	2.241	62	14427	5.868	ug/l	98
5) Bromomethane	2.650	94	10202	5.975	ug/l	87
6) Chloroethane	2.790	64	9396	6.022	ug/l	98
7) Trichlorofluoromethane	3.125	101	15583	5.411	ug/l	96
8) Diethyl Ether	3.521	74	4324	4.561	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	9895	5.392	ug/l	99
10) Methyl Iodide	4.082	142	8781	4.097	ug/l #	97
11) Tert butyl alcohol	4.936	59	6595	46.946	ug/l #	97
12) 1,1-Dichloroethene	3.857	96	9487	5.135	ug/l #	78
13) Acrolein	3.710	56	3612	23.842	ug/l	99
14) Allyl chloride	4.466	41	12332	5.247	ug/l	98
15) Acrylonitrile	5.149	53	7371	20.219	ug/l	94
16) Acetone	3.930	43	8939	31.872	ug/l #	73
17) Carbon Disulfide	4.186	76	27902	5.547	ug/l	96
18) Methyl Acetate	4.479	43	4272	5.347	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	18182	4.418	ug/l	96
20) Methylene Chloride	4.698	84	20702	10.443	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	10102	5.158	ug/l	91
22) Diisopropyl ether	6.112	45	24046	4.823	ug/l	96
23) Vinyl Acetate	6.058	43	64359	21.238	ug/l	95
24) 1,1-Dichloroethane	6.009	63	15560	5.067	ug/l	97
25) 2-Butanone	6.978	43	9475	21.134	ug/l	96
26) 2,2-Dichloropropane	6.978	77	15163	5.456	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	11318	4.890	ug/l	99
28) Bromochloromethane	7.332	49	5200	4.237	ug/l	96
29) Tetrahydrofuran	7.344	42	6482	21.903	ug/l	92
30) Chloroform	7.496	83	15558	4.853	ug/l	98
31) Cyclohexane	7.783	56	18592	6.377	ug/l #	78
32) 1,1,1-Trichloroethane	7.691	97	14101	4.907	ug/l	95
36) 1,1-Dichloropropene	7.917	75	12472	5.114	ug/l	97
37) Ethyl Acetate	7.070	43	4900	4.774	ug/l #	93
38) Carbon Tetrachloride	7.893	117	13250	4.972	ug/l	98
39) Methylcyclohexane	9.179	83	18449	5.244	ug/l #	92
40) Benzene	8.155	78	39406	5.023	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	2989	5.043	ug/l #	65
42) 1,2-Dichloroethane	8.234	62	7769	4.552	ug/l	95
43) Isopropyl Acetate	8.264	43	9094	4.322	ug/l #	83
44) Trichloroethene	8.935	130	10439	4.888	ug/l	97
45) 1,2-Dichloropropane	9.209	63	8255	4.813	ug/l #	83
46) Dibromomethane	9.301	93	4414	4.477	ug/l	91
47) Bromodichloromethane	9.490	83	10594	4.346	ug/l	91
48) Methyl methacrylate	9.289	41	4038	4.188	ug/l	90
49) 1,4-Dioxane	9.295	88	1114	85.123	ug/l #	92
51) 4-Methyl-2-Pentanone	10.069	43	21402	20.239	ug/l	98
52) Toluene	10.240	92	23783	4.709	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	9607	4.220	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	12182	4.377	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	5723	4.225	ug/l #	89
56) Ethyl methacrylate	10.508	69	7068	3.842	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	9620	4.364	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	11736	13.361	ug/l	96
59) 2-Hexanone	10.831	43	13312	18.004	ug/l	92
60) Dibromochloromethane	10.983	129	7137	4.062	ug/l	95
61) 1,2-Dibromoethane	11.087	107	5028	3.941	ug/l	93
64) Tetrachloroethene	10.721	164	8360	4.713	ug/l	96
65) Chlorobenzene	11.514	112	24970	4.602	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	7872	4.485	ug/l	97
67) Ethyl Benzene	11.593	91	45333	4.948	ug/l	99
68) m/p-Xylenes	11.703	106	35269	9.735	ug/l	95
69) o-Xylene	12.026	106	16208	4.662	ug/l	99
70) Styrene	12.044	104	25217	4.343	ug/l	98
71) Bromoform	12.203	173	3798	3.911	ug/l #	95
73) Isopropylbenzene	12.331	105	42222	5.177	ug/l	99
74) N-amyl acetate	12.142	43	7228	4.269	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	6272	4.821	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	7331	8.419	ug/l #	100
77) Bromobenzene	12.605	156	8900	4.750	ug/l	95
78) n-propylbenzene	12.672	91	50159	5.287	ug/l	99
79) 2-Chlorotoluene	12.758	91	27192	5.158	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	32745	5.092	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	1705	3.773	ug/l #	93
82) 4-Chlorotoluene	12.855	91	26148	4.938	ug/l	93
83) tert-Butylbenzene	13.075	119	30102	5.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	31481	4.997	ug/l	98
85) sec-Butylbenzene	13.251	105	44447	5.108	ug/l	99
86) p-Isopropyltoluene	13.367	119	35956	5.023	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	17453	4.823	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	17337	4.915	ug/l	93
89) n-Butylbenzene	13.696	91	31978	4.936	ug/l	98
90) Hexachloroethane	13.959	117	6282	4.473	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	14911	4.794	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	768	4.335	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	6965	3.983	ug/l	94
94) Hexachlorobutadiene	15.111	225	4042	4.190	ug/l	95
95) Naphthalene	15.233	128	11013	3.437	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	5460	3.805	ug/l	97

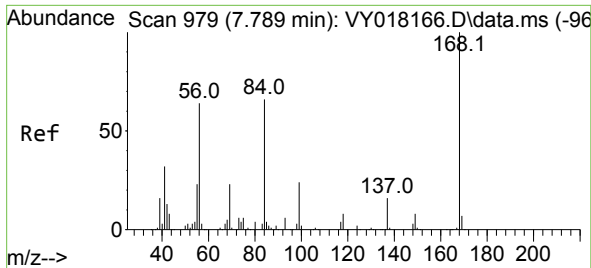
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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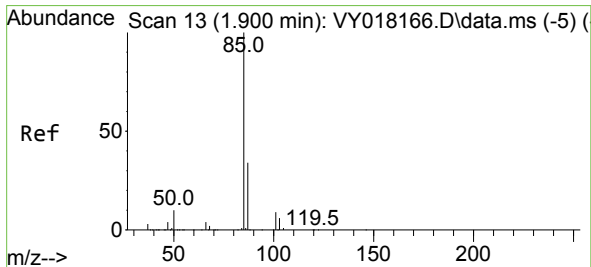
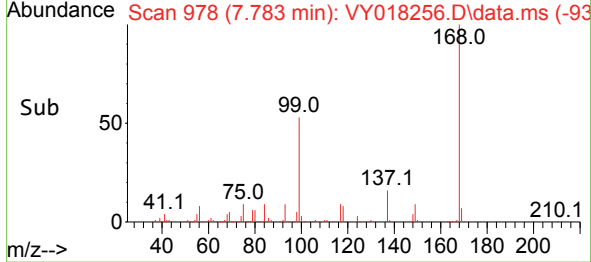
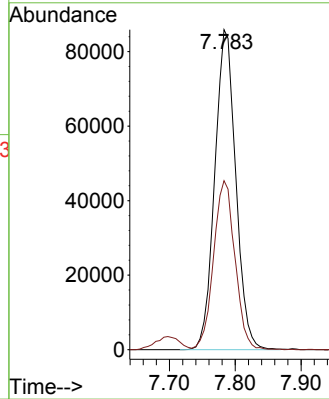
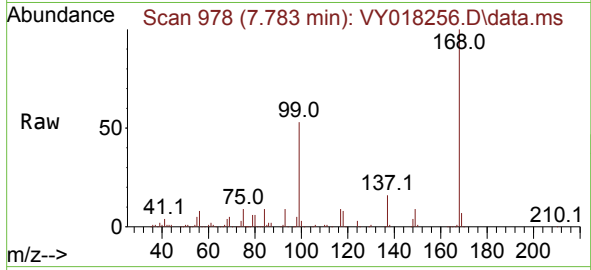
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

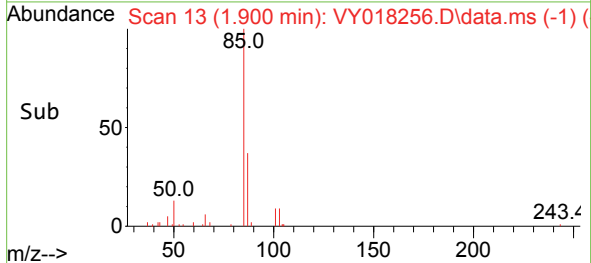
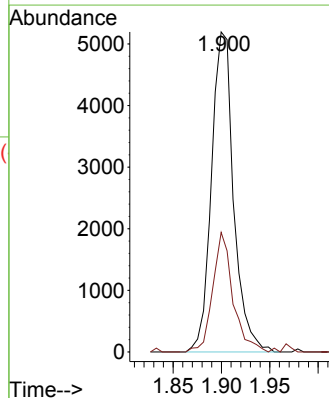
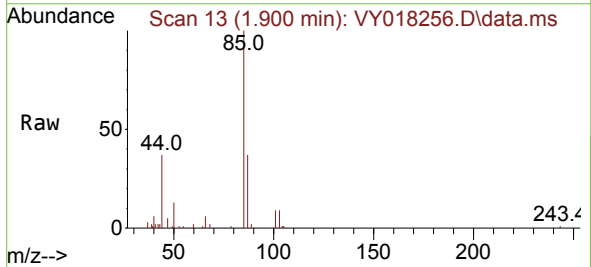
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ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

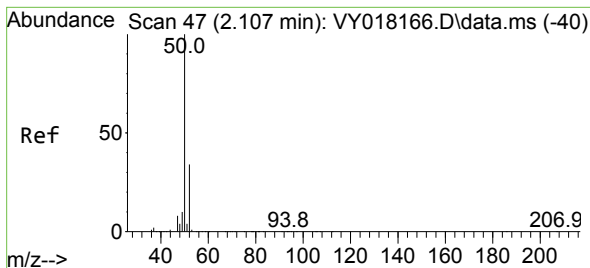
Tgt Ion:168 Resp: 191041
Ion Ratio Lower Upper
168 100
99 52.7 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 5.473 ug/l
RT: 1.900 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 85 Resp: 8292
Ion Ratio Lower Upper
85 100
87 37.4 16.0 48.0





#3

Chloromethane

Concen: 5.766 ug/l

RT: 2.113 min Scan# 47

Delta R.T. 0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

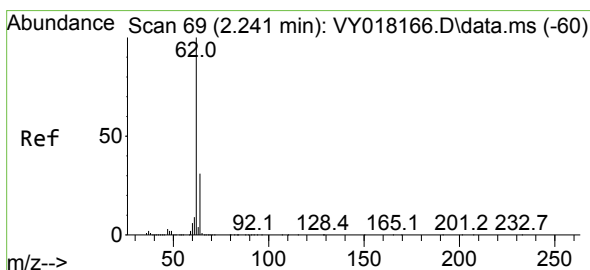
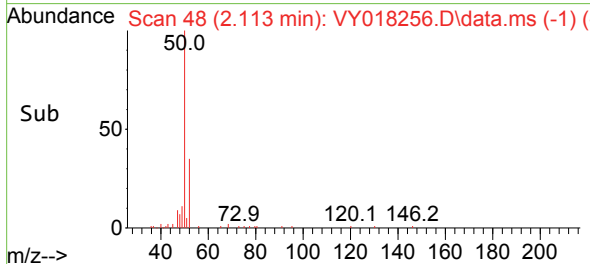
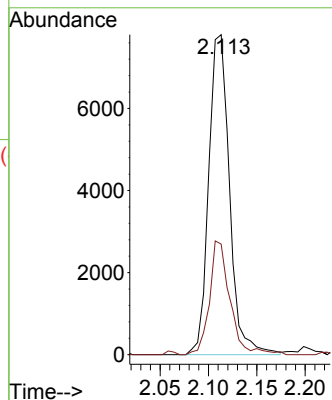
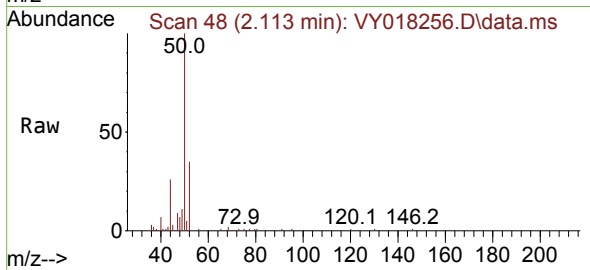
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 50 Resp: 11694

Ion Ratio Lower Upper

50 100

52 34.5 25.6 38.4



#4

Vinyl Chloride

Concen: 5.868 ug/l

RT: 2.241 min Scan# 69

Delta R.T. 0.000 min

Lab File: VY018256.D

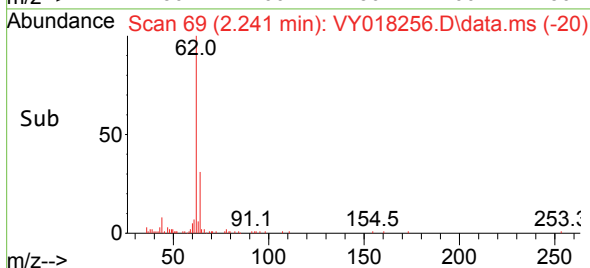
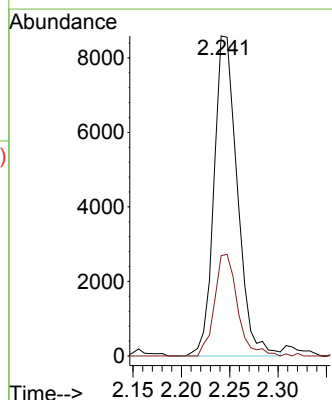
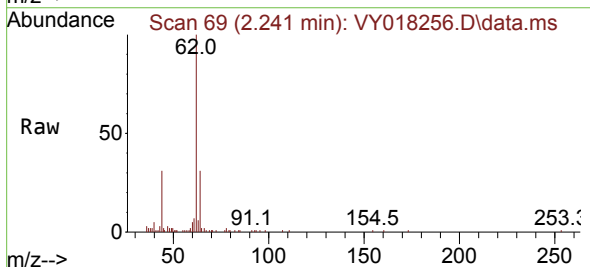
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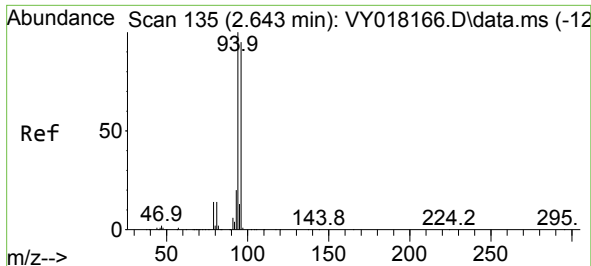
Tgt Ion: 62 Resp: 14427

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1

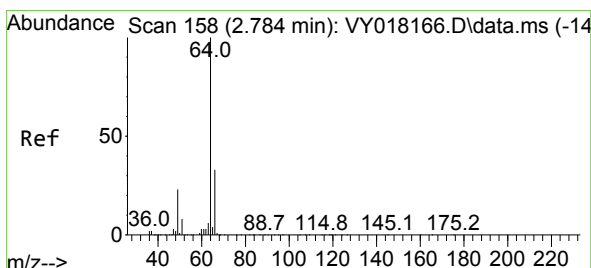
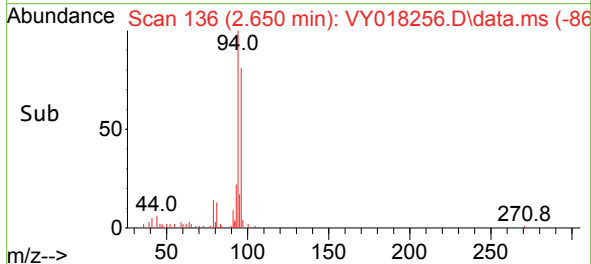
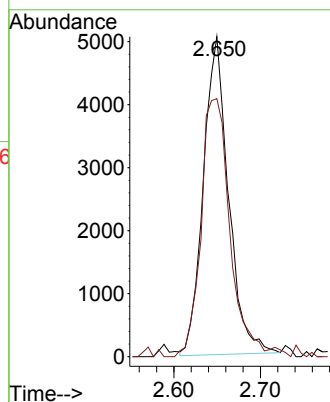
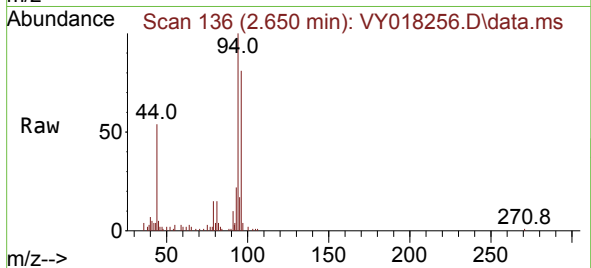




#5
Bromomethane
Concen: 5.975 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

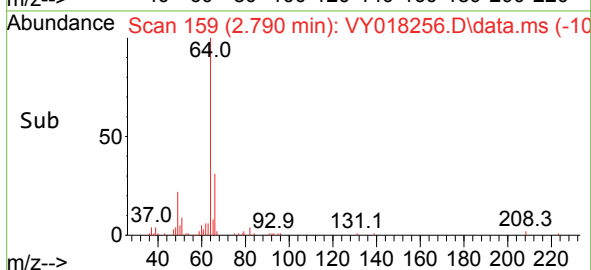
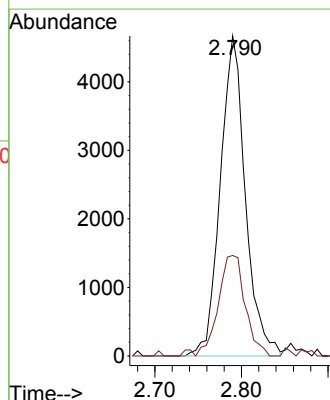
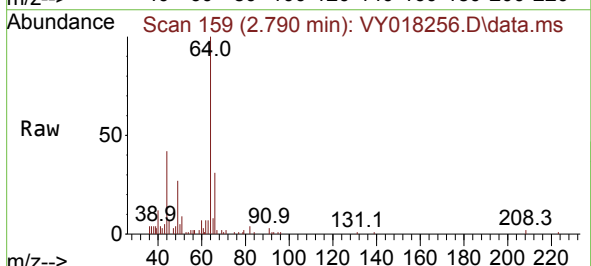
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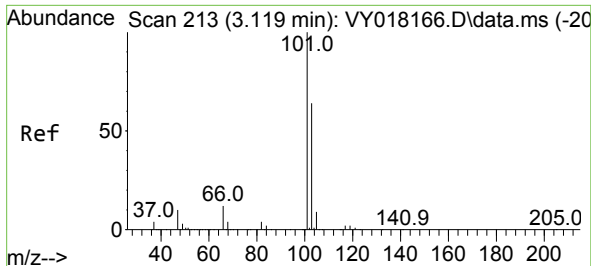
Tgt Ion: 94 Resp: 10202
Ion Ratio Lower Upper
94 100
96 79.8 74.1 111.1



#6
Chloroethane
Concen: 6.022 ug/l
RT: 2.790 min Scan# 159
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 64 Resp: 9396
Ion Ratio Lower Upper
64 100
66 31.4 26.1 39.1

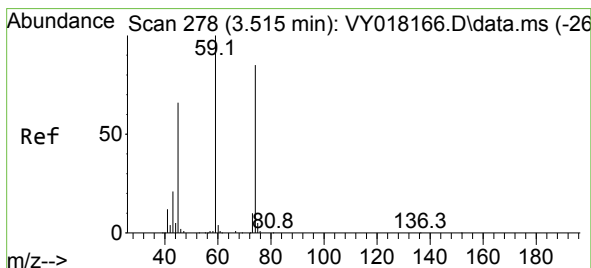
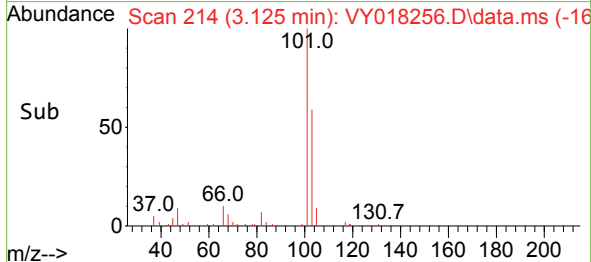
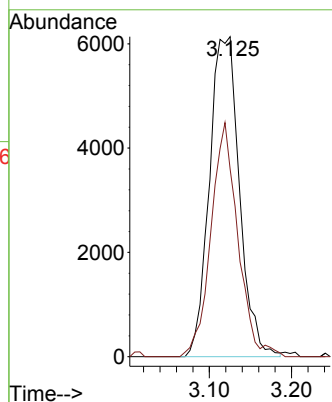
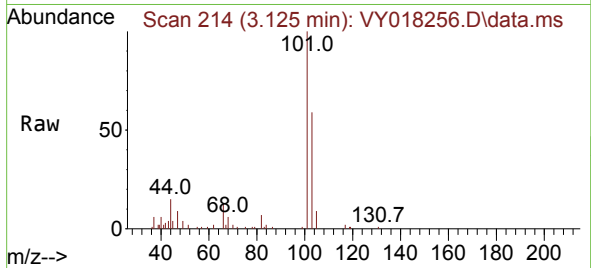




#7
Trichlorofluoromethane
Concen: 5.411 ug/l
RT: 3.125 min Scan# 213
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

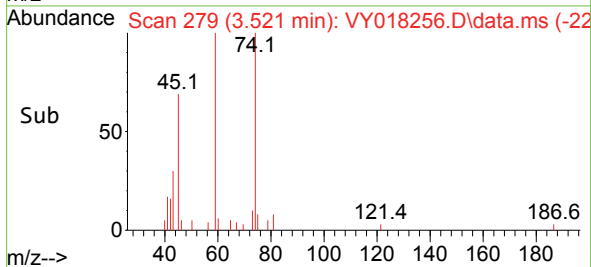
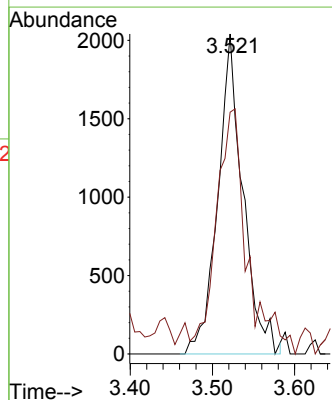
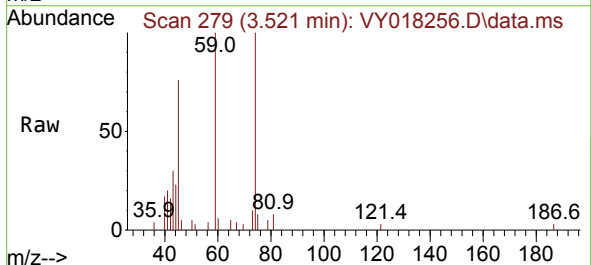
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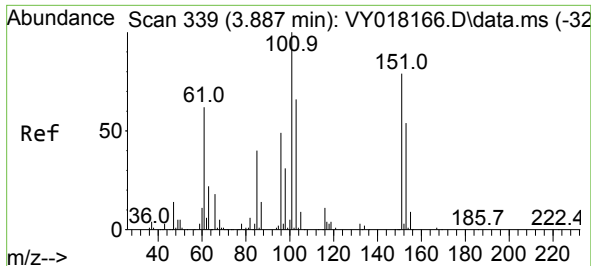
Tgt Ion:101 Resp: 15583
Ion Ratio Lower Upper
101 100
103 58.7 49.3 73.9



#8
Diethyl Ether
Concen: 4.561 ug/l
RT: 3.521 min Scan# 279
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 74 Resp: 4324
Ion Ratio Lower Upper
74 100
45 93.6 41.3 124.1

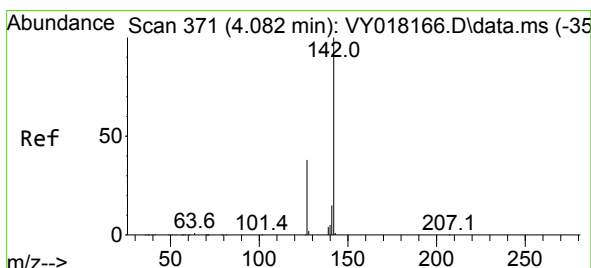
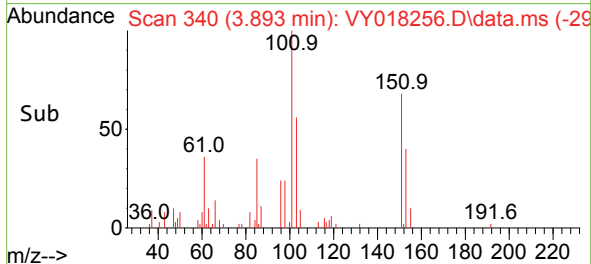
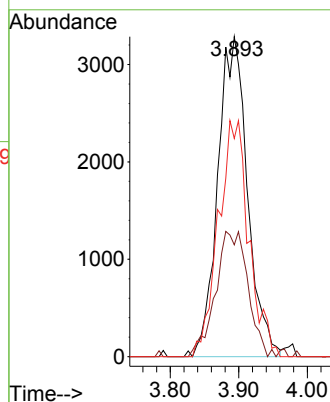
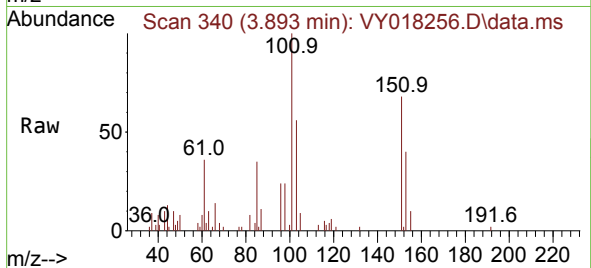




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.392 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

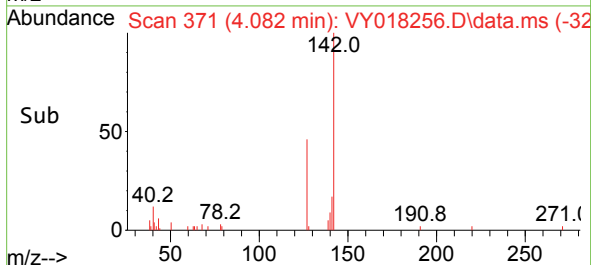
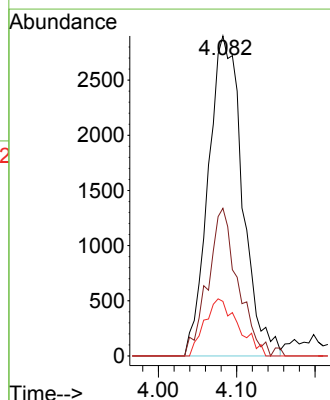
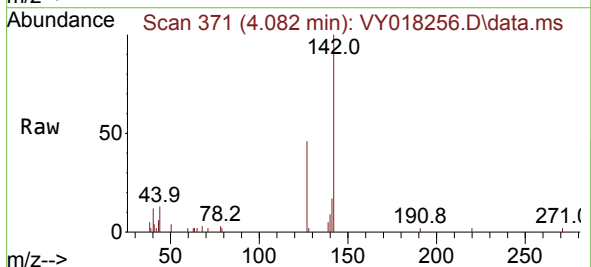
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

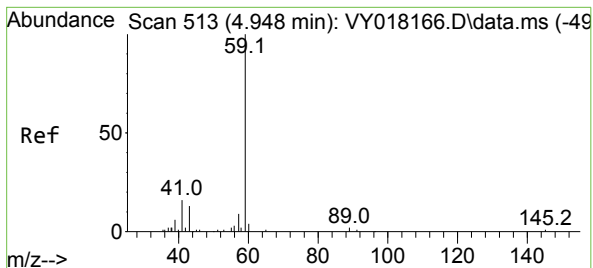
Tgt Ion:101 Resp: 9895
Ion Ratio Lower Upper
101 100
85 42.6 34.5 51.7
151 75.6 61.7 92.5



#10
Methyl Iodide
Concen: 4.097 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion:142 Resp: 8781
Ion Ratio Lower Upper
142 100
127 40.4 32.8 49.2
141 17.6 11.4 17.2#





#11

Tert butyl alcohol

Concen: 46.946 ug/l

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

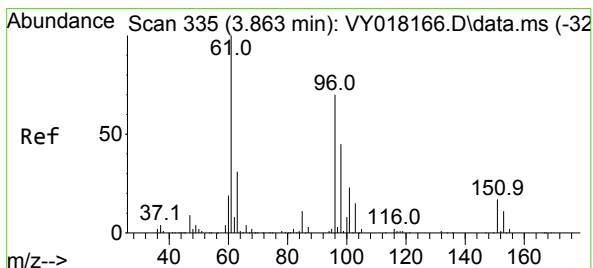
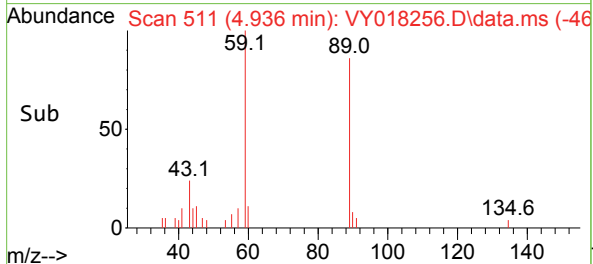
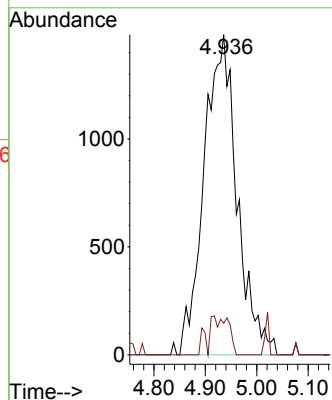
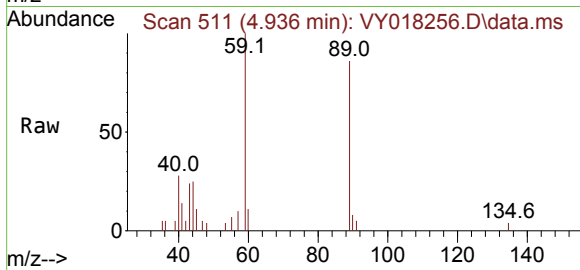
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 59 Resp: 6595

Ion Ratio Lower Upper

59 100

57 2.7 3.0 4.6#



#12

1,1-Dichloroethene

Concen: 5.135 ug/l

RT: 3.857 min Scan# 334

Delta R.T. -0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

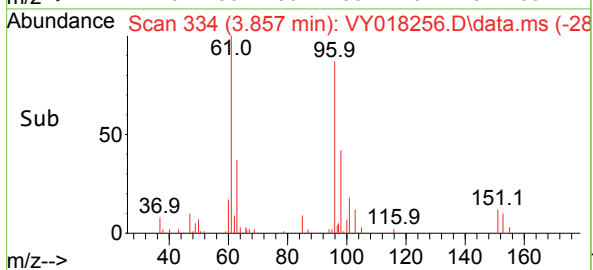
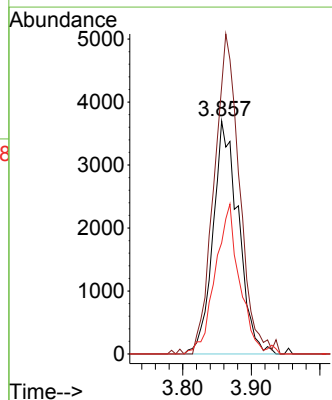
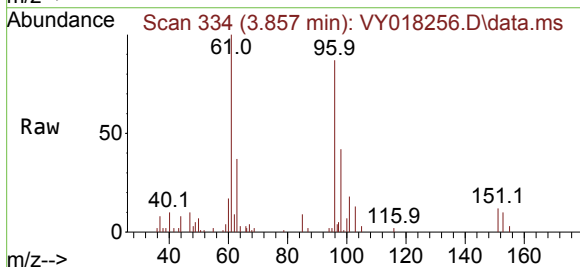
Tgt Ion: 96 Resp: 9487

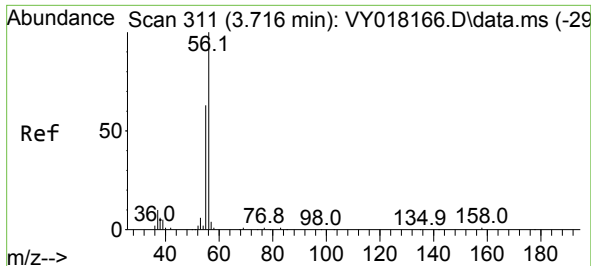
Ion Ratio Lower Upper

96 100

61 114.8 114.6 171.8

98 47.7 50.8 76.2#





#13

Acrolein

Concen: 23.842 ug/l

RT: 3.710 min Scan# 311

Delta R.T. -0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

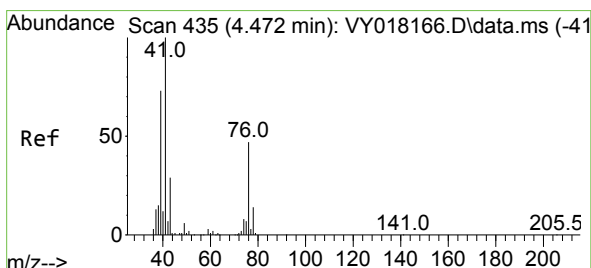
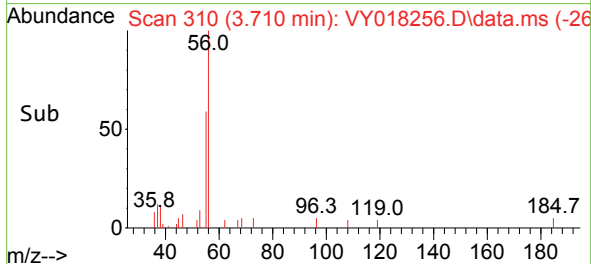
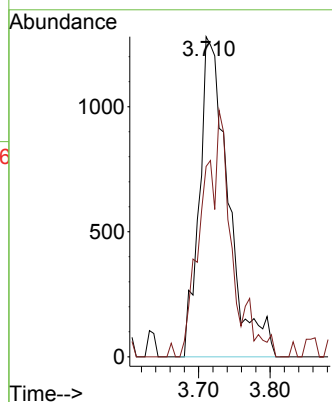
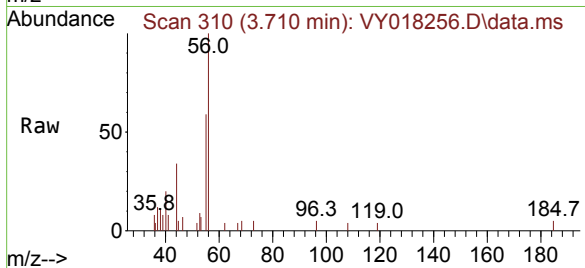
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 56 Resp: 3612

Ion Ratio Lower Upper

56 100

55 70.4 55.7 83.5



#14

Allyl chloride

Concen: 5.247 ug/l

RT: 4.466 min Scan# 434

Delta R.T. -0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

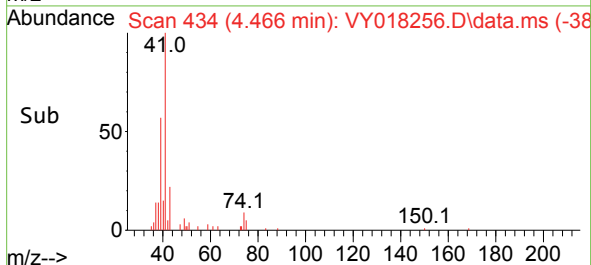
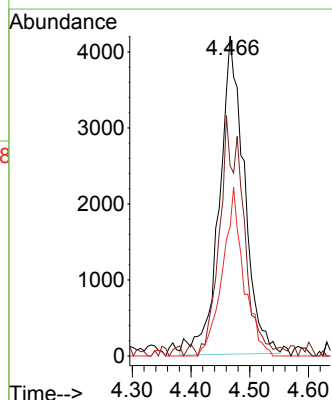
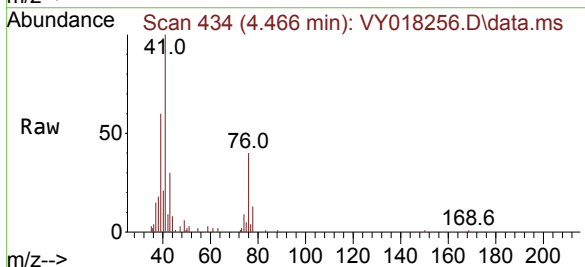
Tgt Ion: 41 Resp: 12332

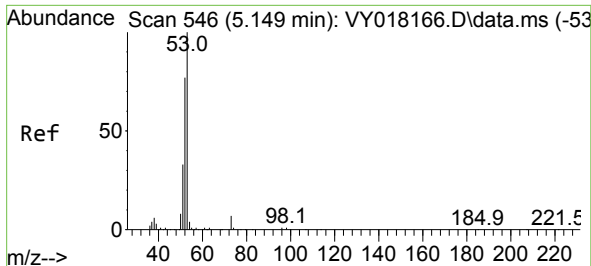
Ion Ratio Lower Upper

41 100

39 72.9 58.3 87.5

76 45.3 39.0 58.6

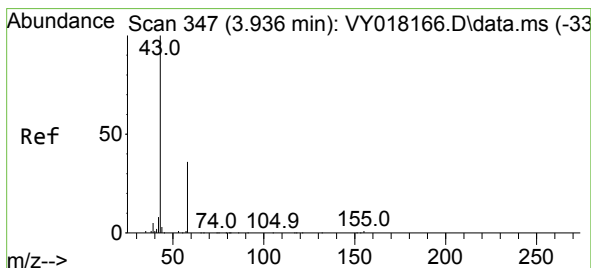
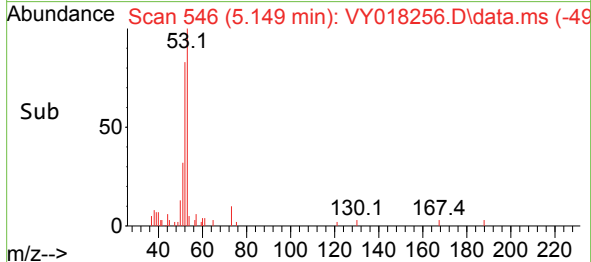
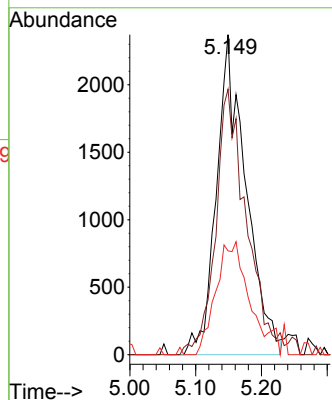
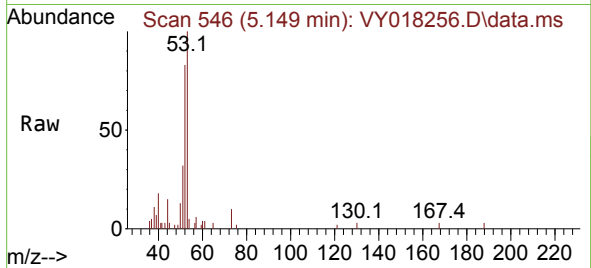




#15
Acrylonitrile
Concen: 20.219 ug/l
RT: 5.149 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

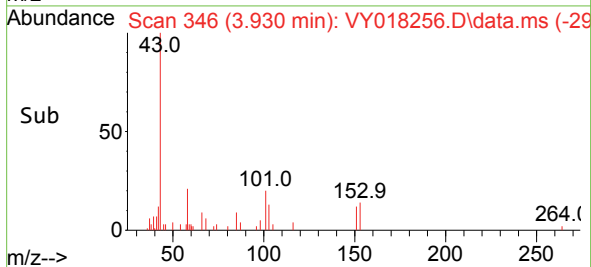
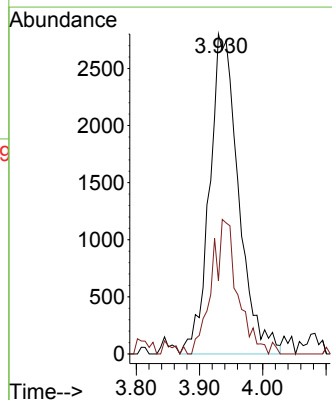
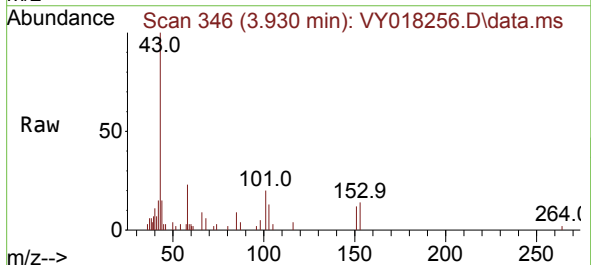
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

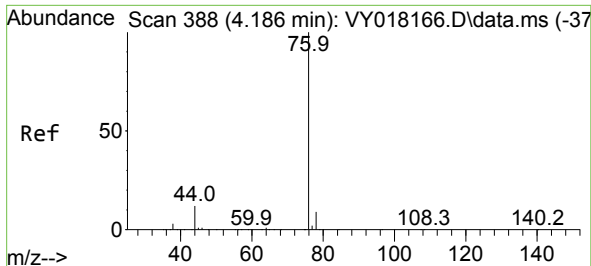
Tgt Ion: 53 Resp: 7371
Ion Ratio Lower Upper
53 100
52 86.5 64.7 97.1
51 38.0 28.4 42.6



#16
Acetone
Concen: 31.872 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 43 Resp: 8939
Ion Ratio Lower Upper
43 100
58 22.8 31.7 47.5#

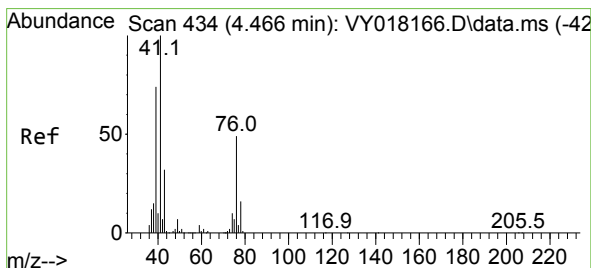
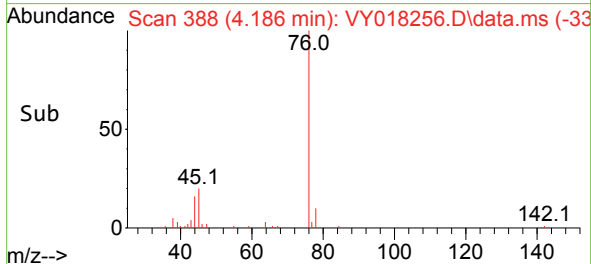
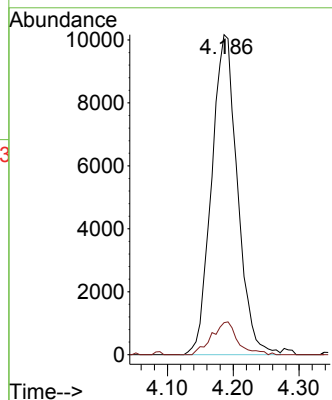
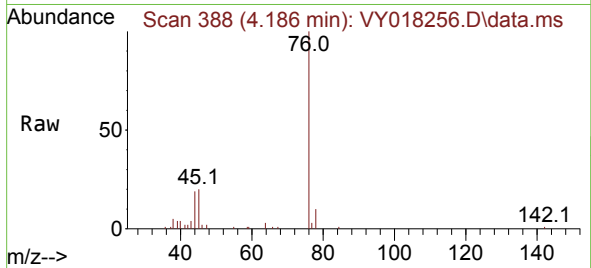




#17
Carbon Disulfide
Concen: 5.547 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

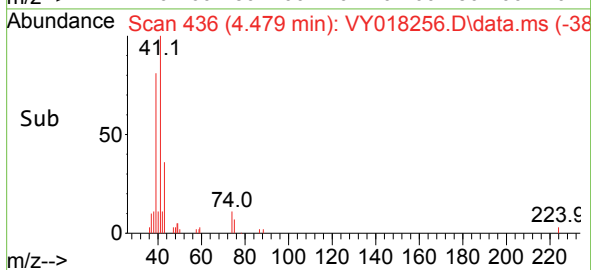
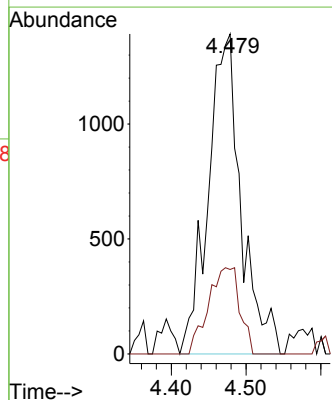
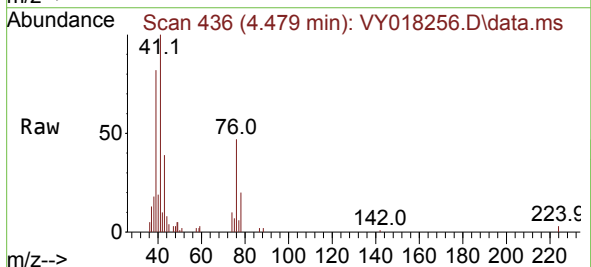
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

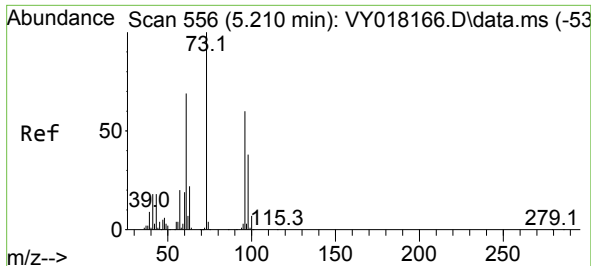
Tgt Ion: 76 Resp: 27902
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2



#18
Methyl Acetate
Concen: 5.347 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.012 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 43 Resp: 4272
Ion Ratio Lower Upper
43 100
74 25.7 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 4.418 ug/l

RT: 5.210 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

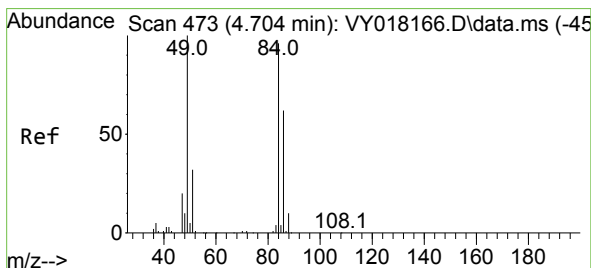
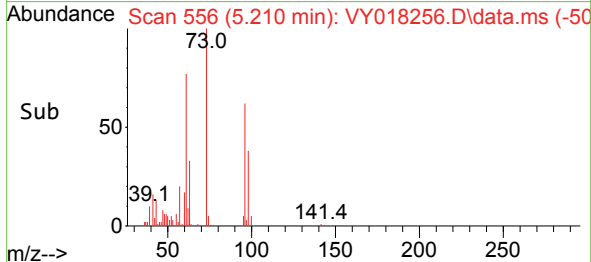
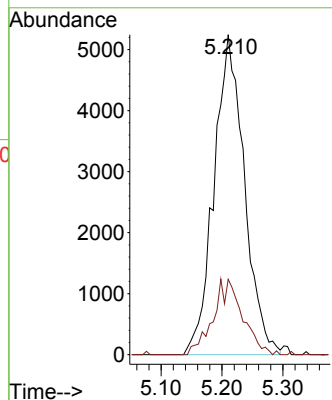
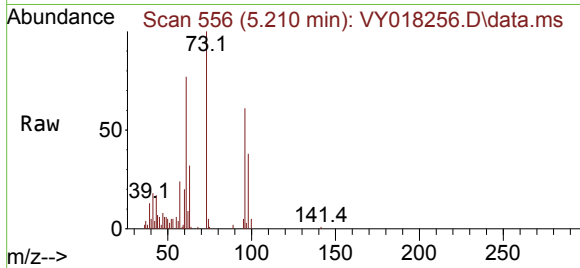
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 73 Resp: 18182

Ion Ratio Lower Upper

73 100

57 23.6 17.3 25.9



#20

Methylene Chloride

Concen: 10.443 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Tgt Ion: 84 Resp: 20702

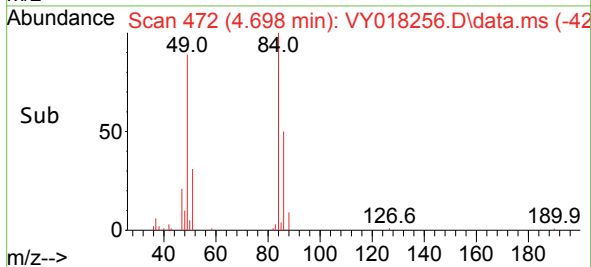
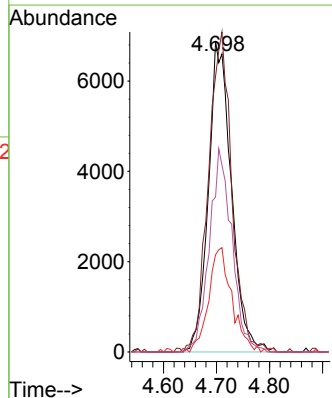
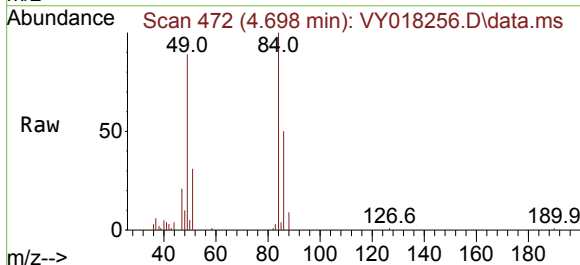
Ion Ratio Lower Upper

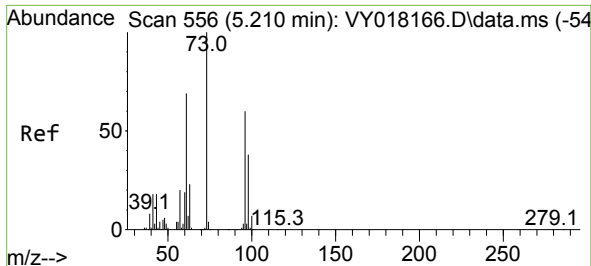
84 100

49 88.6 84.4 126.6

51 31.2 26.0 39.0

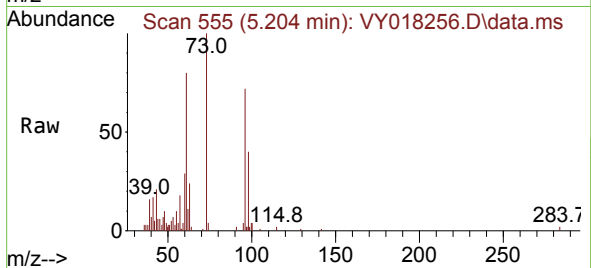
86 49.8 49.5 74.3



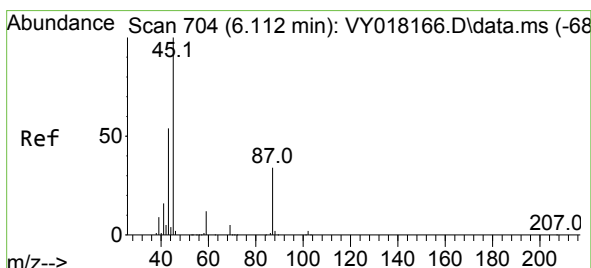
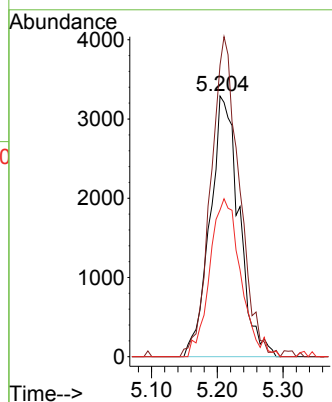
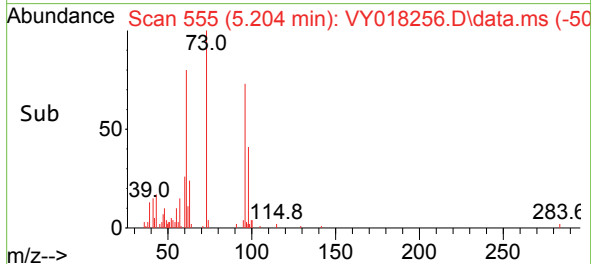


#21
trans-1,2-Dichloroethene
Concen: 5.158 ug/l
RT: 5.204 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

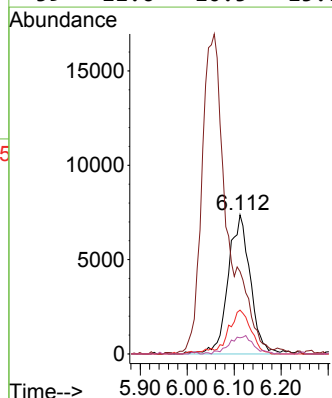
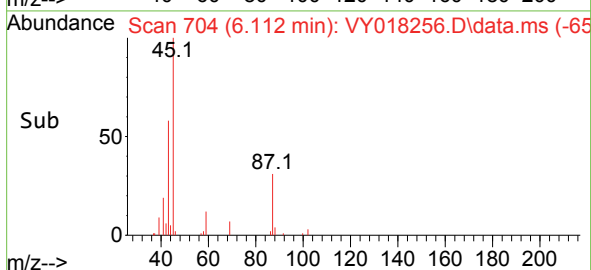
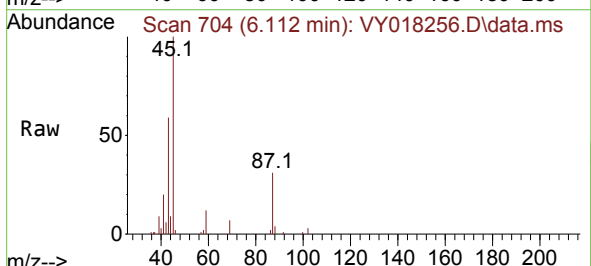


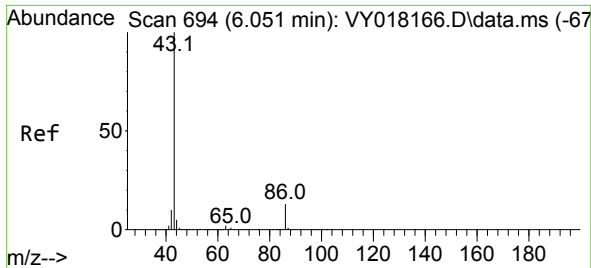
Tgt Ion: 96 Resp: 10102
Ion Ratio Lower Upper
96 100
61 111.9 97.5 146.3
98 56.3 50.5 75.7



#22
Diisopropyl ether
Concen: 4.823 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 45 Resp: 24046
Ion Ratio Lower Upper
45 100
43 57.4 42.2 63.2
87 31.5 25.0 37.6
59 11.6 10.5 15.7

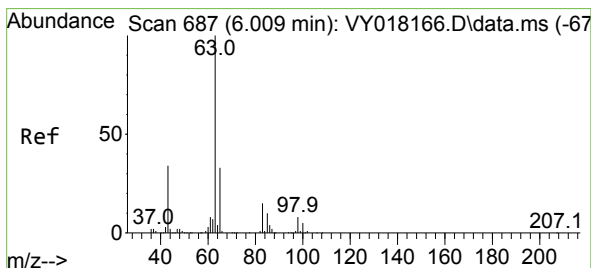
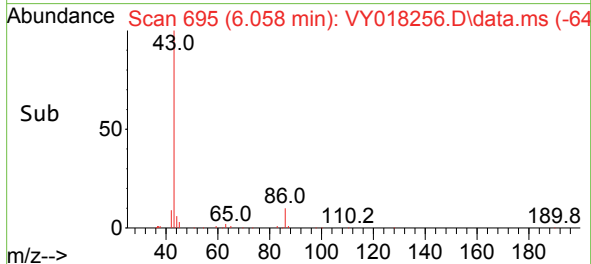
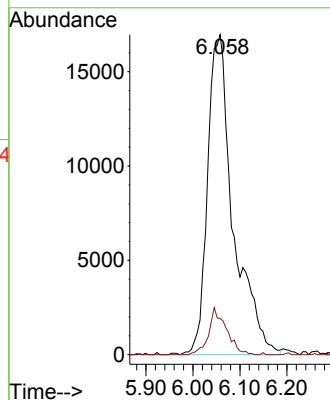
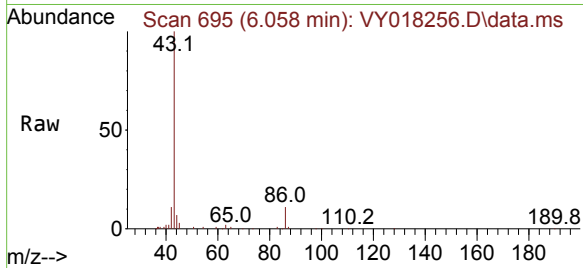




#23
 Vinyl Acetate
 Concen: 21.238 ug/l
 RT: 6.058 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VY018256.D
 Acq: 14 May 2024 14:24

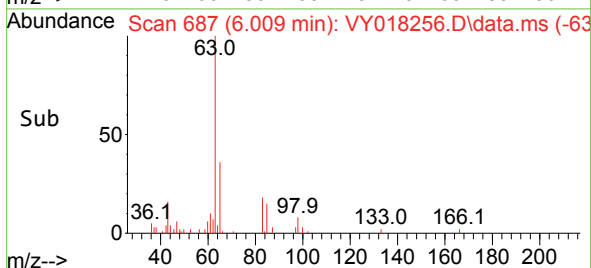
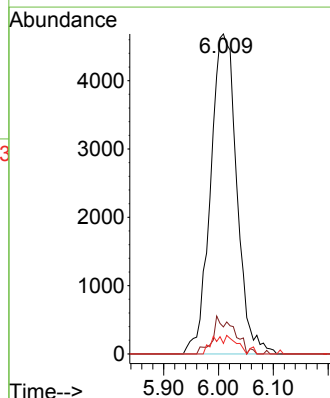
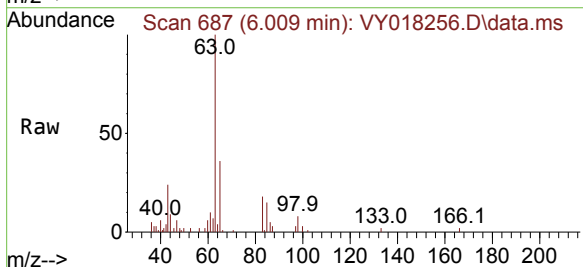
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

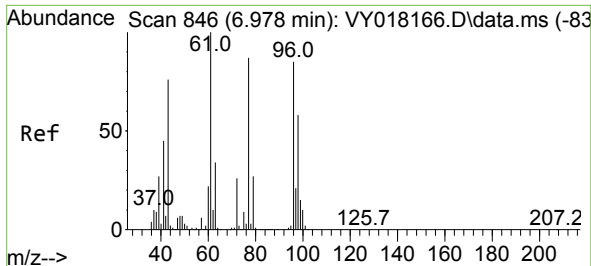
Tgt Ion: 43 Resp: 64359
 Ion Ratio Lower Upper
 43 100
 86 11.3 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 5.067 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY018256.D
 Acq: 14 May 2024 14:24

Tgt Ion: 63 Resp: 15560
 Ion Ratio Lower Upper
 63 100
 98 8.5 4.0 12.2
 100 3.3 2.6 8.0

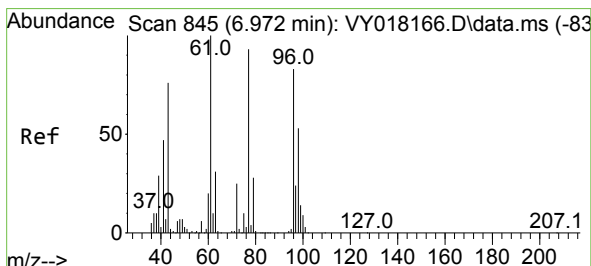
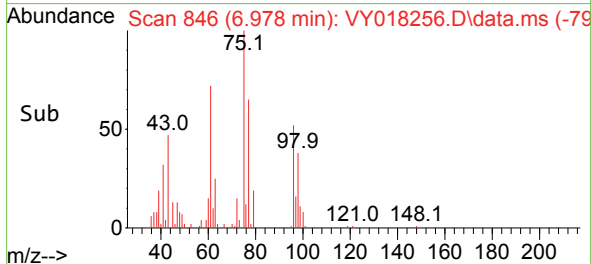
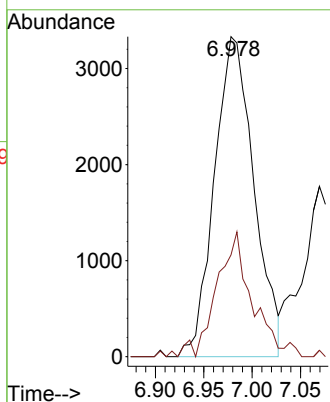
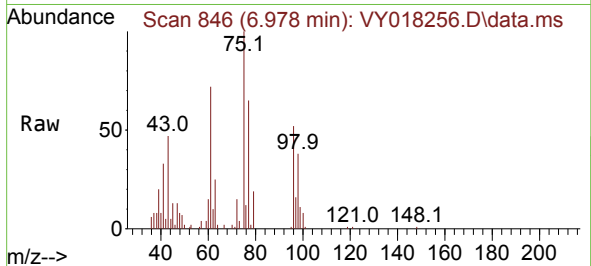




#25
2-Butanone
Concen: 21.134 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

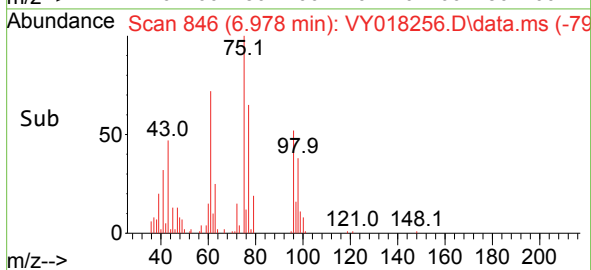
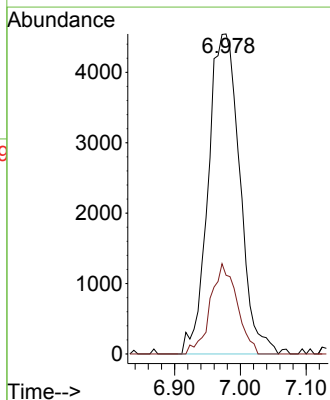
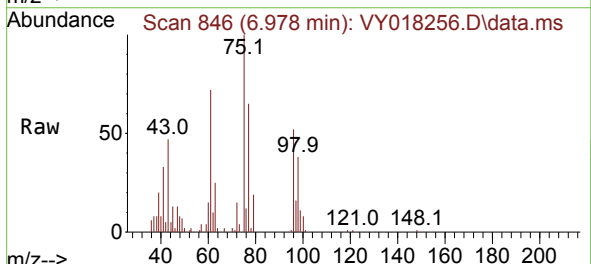
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

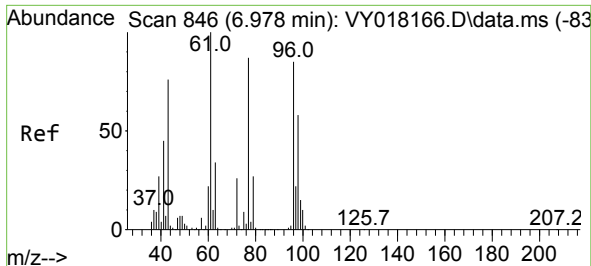
Tgt Ion: 43 Resp: 9475
Ion Ratio Lower Upper
43 100
72 31.8 27.3 40.9



#26
2,2-Dichloropropane
Concen: 5.456 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 77 Resp: 15163
Ion Ratio Lower Upper
77 100
97 23.9 12.0 36.1

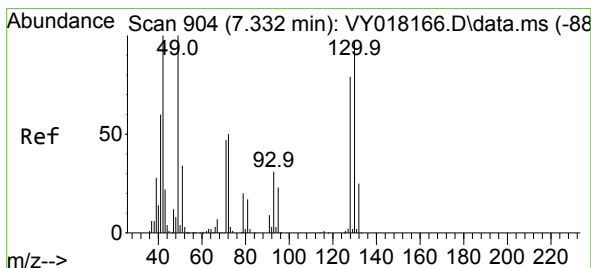
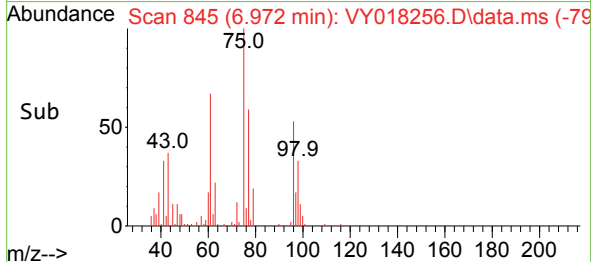
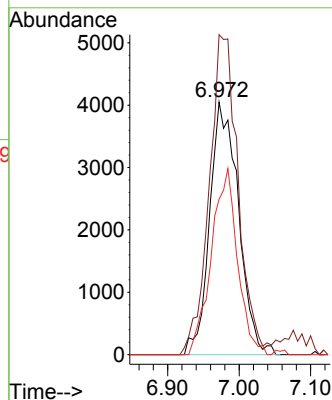
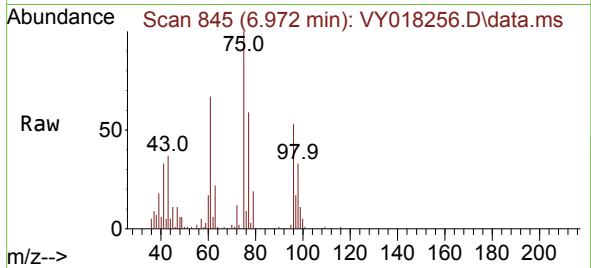




#27
 cis-1,2-Dichloroethene
 Concen: 4.890 ug/l
 RT: 6.972 min Scan# 846
 Delta R.T. -0.006 min
 Lab File: VY018256.D
 Acq: 14 May 2024 14:24

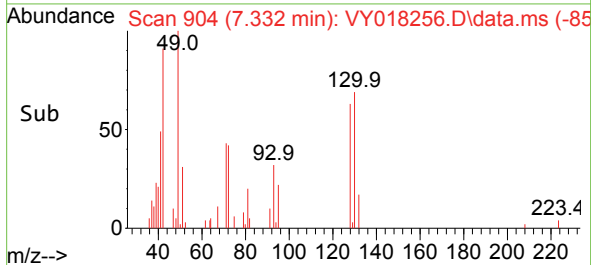
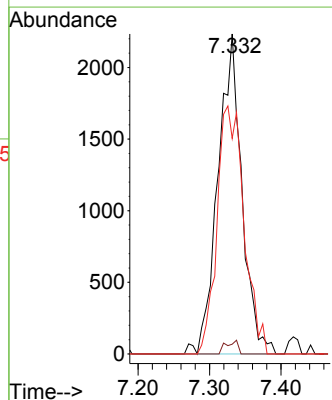
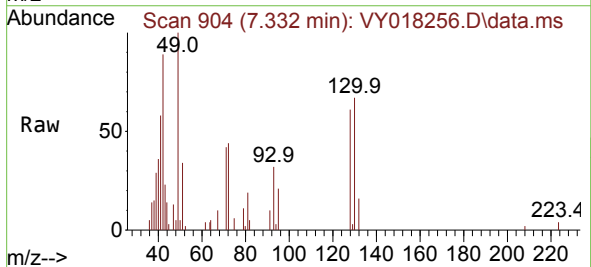
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

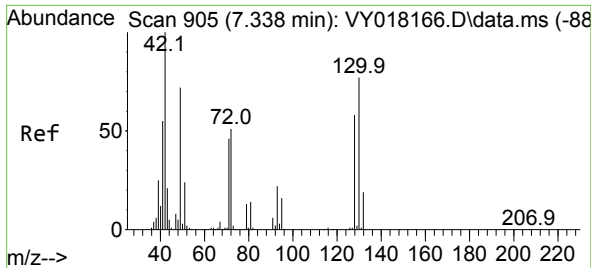
Tgt Ion:	96	Resp:	11318
Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	256.2
98	66.9	0.0	130.0



#28
 Bromochloromethane
 Concen: 4.237 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. 0.000 min
 Lab File: VY018256.D
 Acq: 14 May 2024 14:24

Tgt Ion:	49	Resp:	5200
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	86.9	72.7	109.1

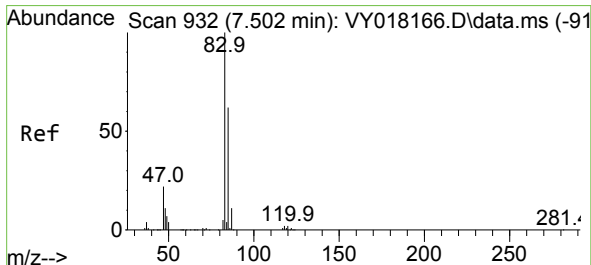
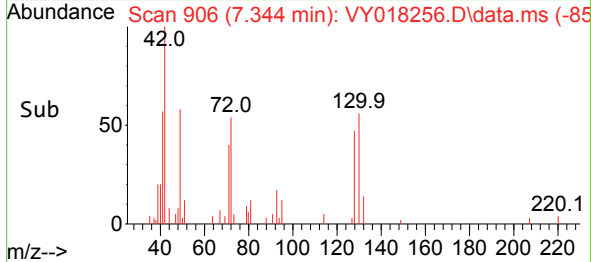
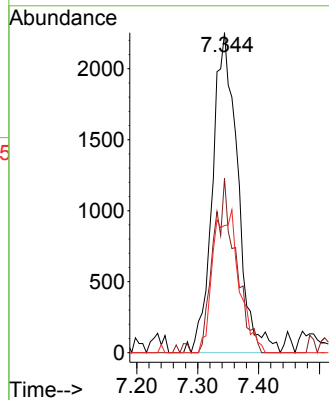
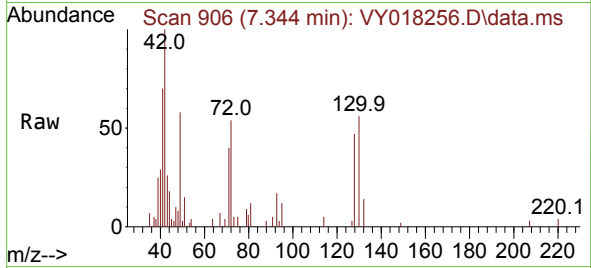




#29
Tetrahydrofuran
Concen: 21.903 ug/l
RT: 7.344 min Scan# 905
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

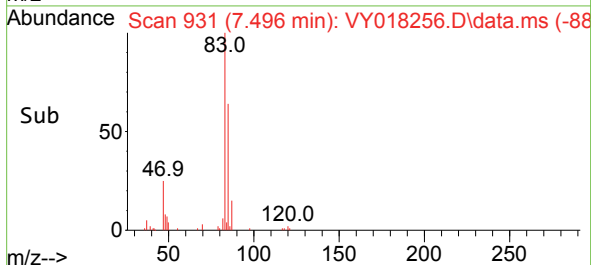
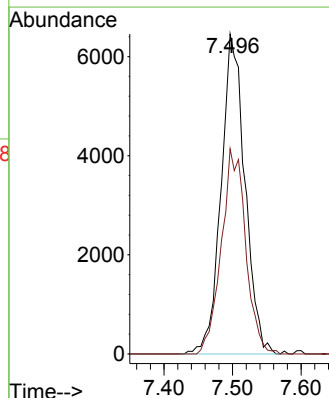
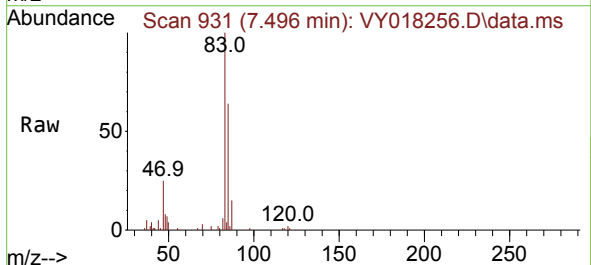
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

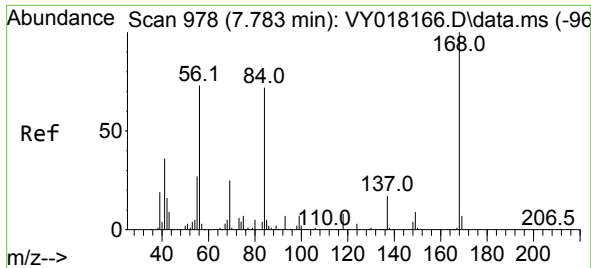
Tgt Ion: 42 Resp: 6482
Ion Ratio Lower Upper
42 100
72 48.0 43.0 64.4
71 46.0 40.8 61.2



#30
Chloroform
Concen: 4.853 ug/l
RT: 7.496 min Scan# 931
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 83 Resp: 15558
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.4

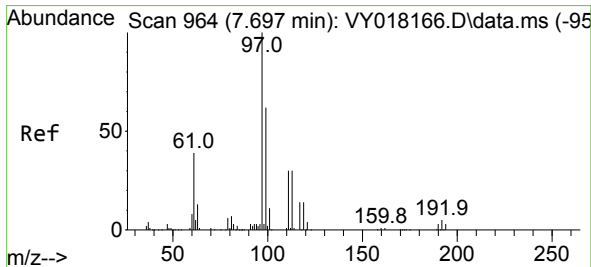
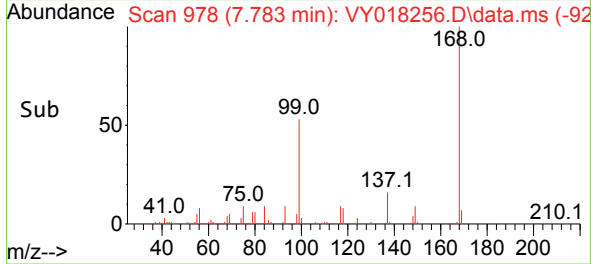
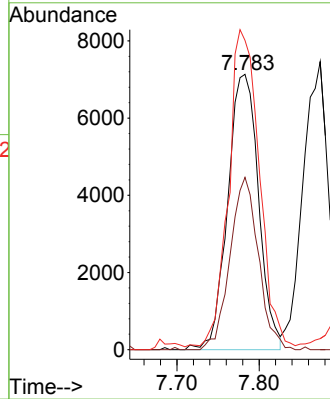
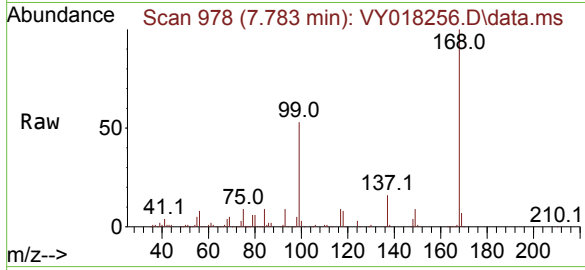




#31
Cyclohexane
Concen: 6.377 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

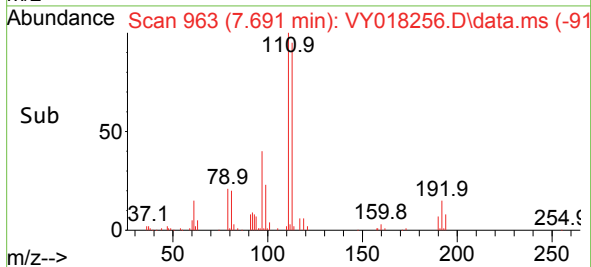
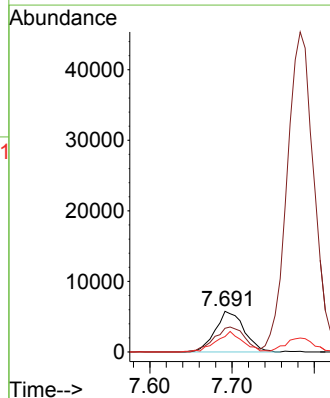
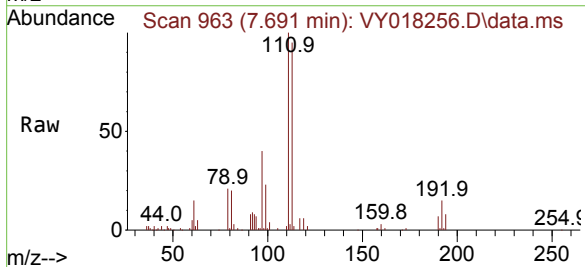
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

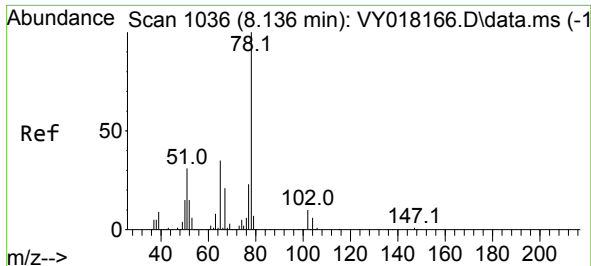
Tgt Ion: 56 Resp: 18592
Ion Ratio Lower Upper
56 100
69 62.6 28.7 43.1#
84 110.6 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 4.907 ug/l
RT: 7.691 min Scan# 963
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 97 Resp: 14101
Ion Ratio Lower Upper
97 100
99 64.9 50.3 75.5
61 46.2 32.6 48.8

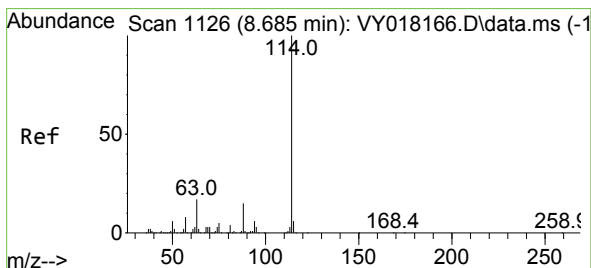
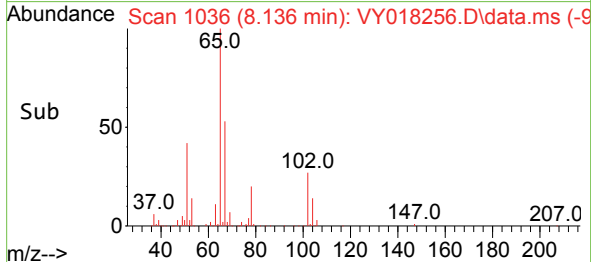
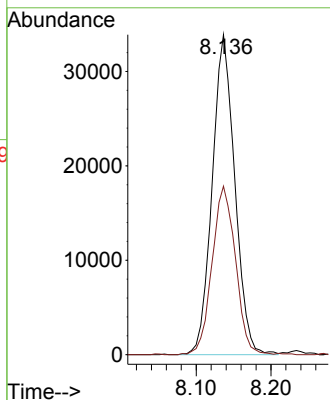
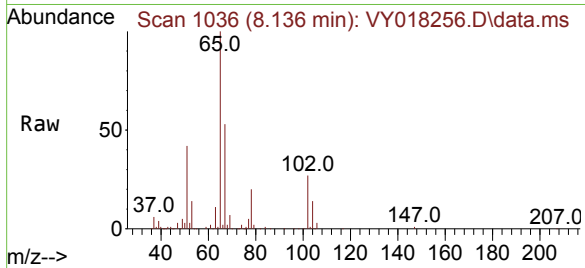




#33
1,2-Dichloroethane-d4
Concen: 50.738 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

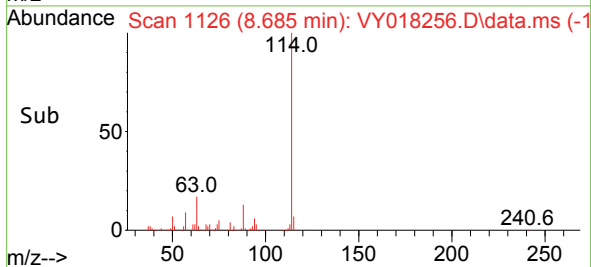
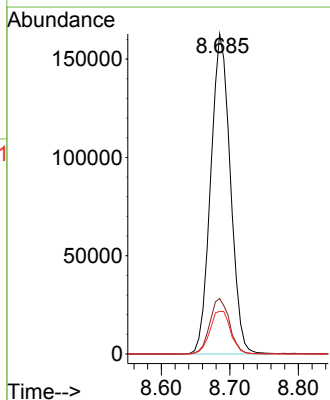
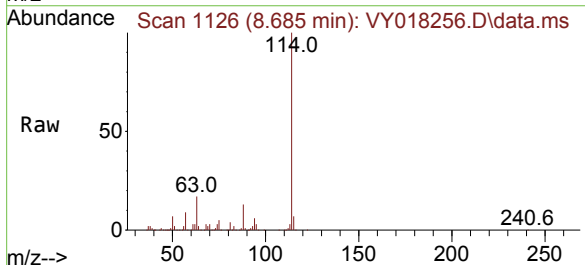
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

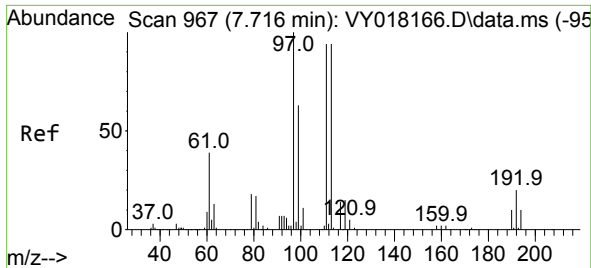
Tgt Ion: 65 Resp: 71308
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 114 Resp: 323697
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.0
88 13.3 0.0 27.2

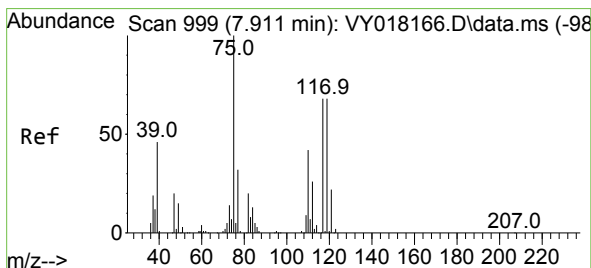
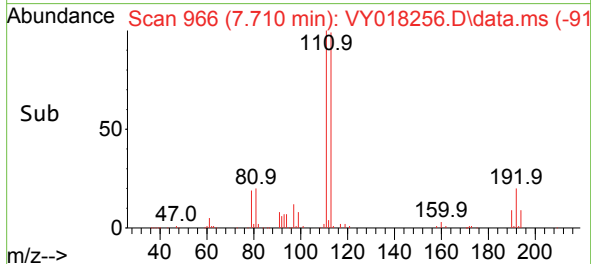
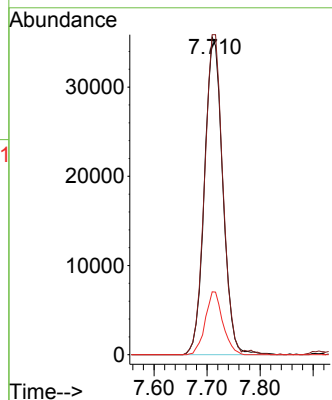
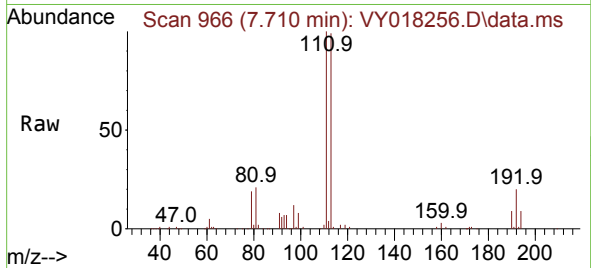




#35
Dibromofluoromethane
Concen: 49.957 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

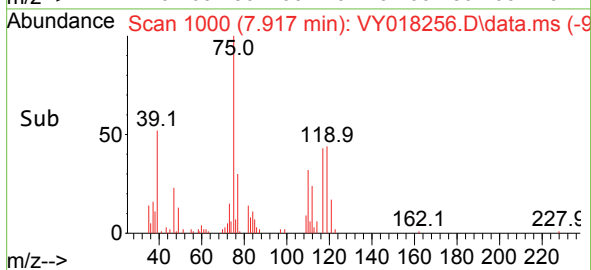
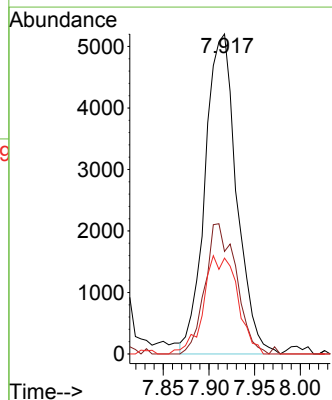
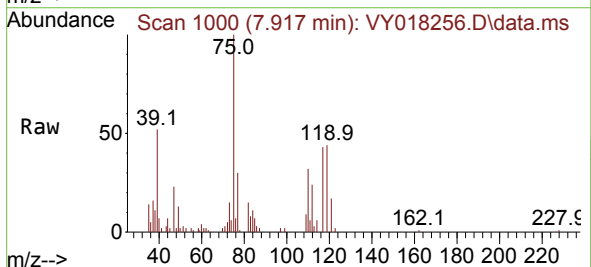
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

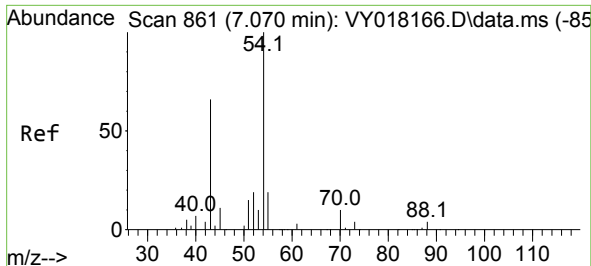
Tgt Ion:113 Resp: 84986
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.4
192 19.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.114 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 75 Resp: 12472
Ion Ratio Lower Upper
75 100
110 40.1 19.0 57.0
77 33.0 25.3 37.9

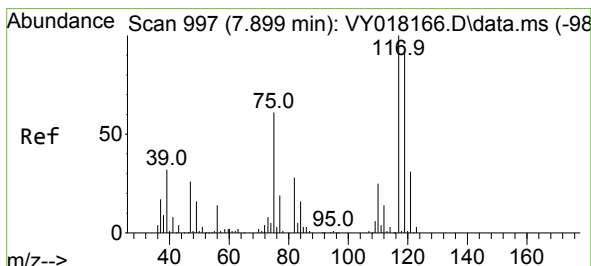
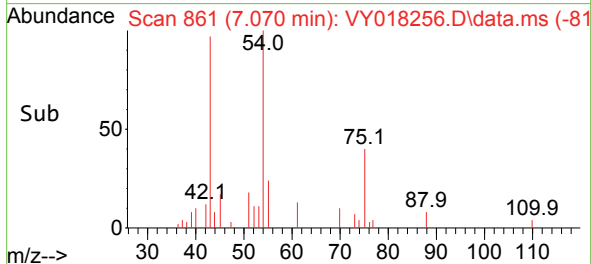
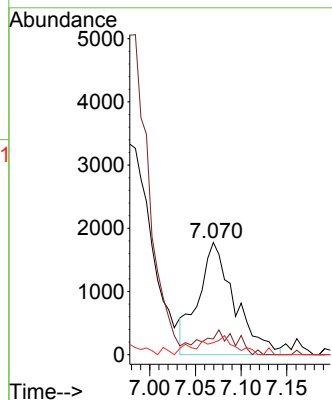
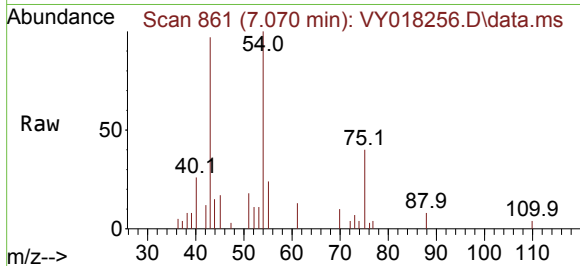




#37
Ethyl Acetate
Concen: 4.774 ug/l
RT: 7.070 min Scan# 861
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

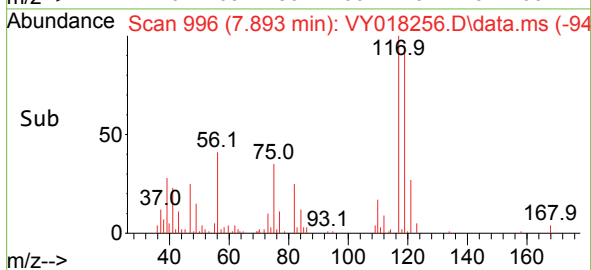
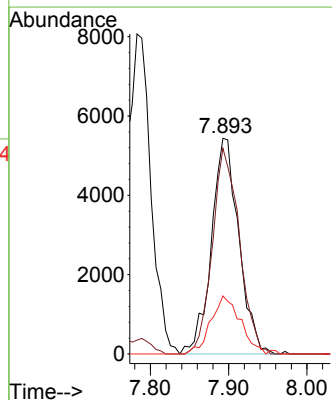
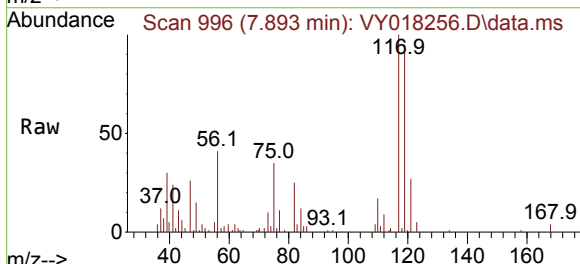
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

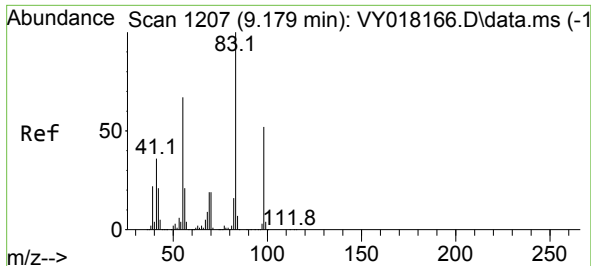
Tgt Ion: 43 Resp: 4900
Ion Ratio Lower Upper
43 100
61 18.7 12.6 19.0
70 12.3 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 4.972 ug/l
RT: 7.893 min Scan# 996
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 117 Resp: 13250
Ion Ratio Lower Upper
117 100
119 95.4 75.8 113.6
121 26.9 24.0 36.0





#39

Methylcyclohexane

Concen: 5.244 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018256.D

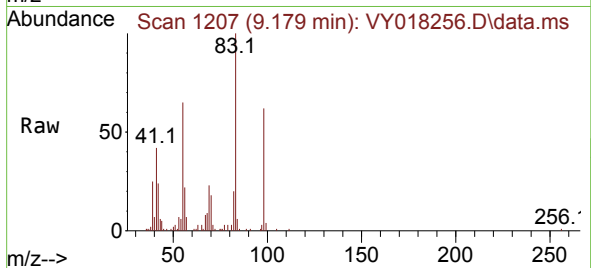
Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



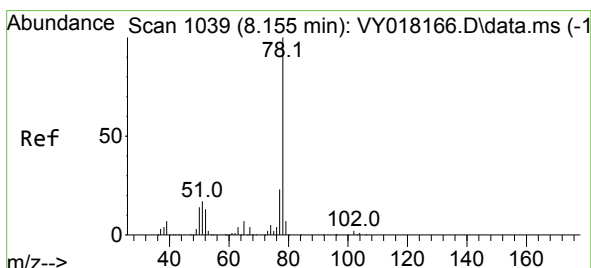
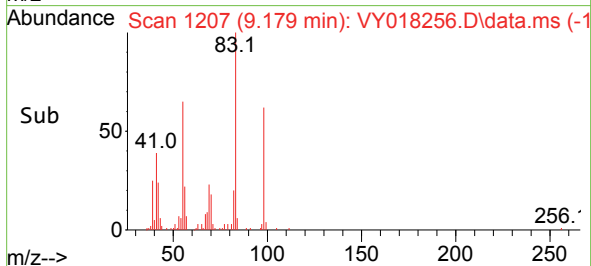
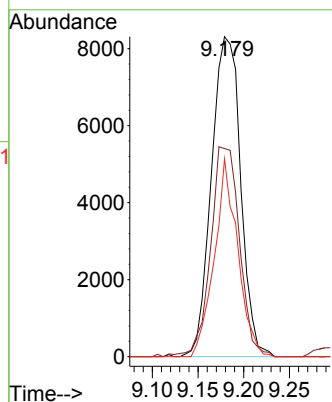
Tgt Ion: 83 Resp: 18449

Ion Ratio Lower Upper

83 100

55 65.0 51.5 77.3

98 61.8 40.5 60.7#



#40

Benzene

Concen: 5.023 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY018256.D

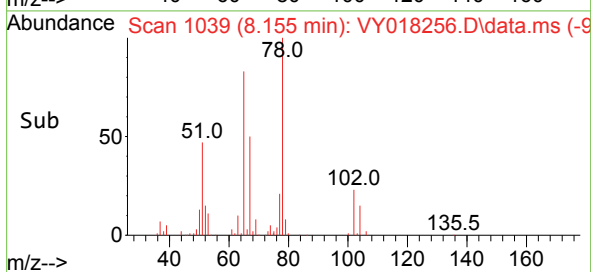
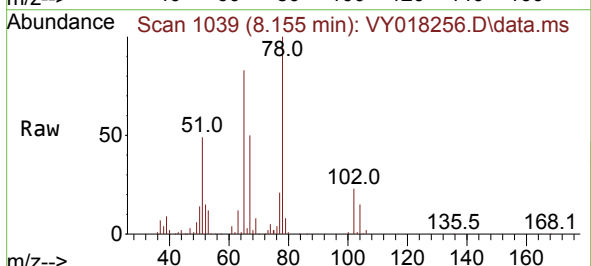
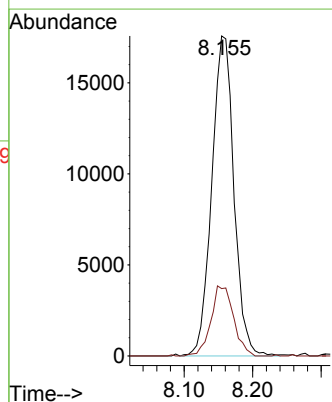
Acq: 14 May 2024 14:24

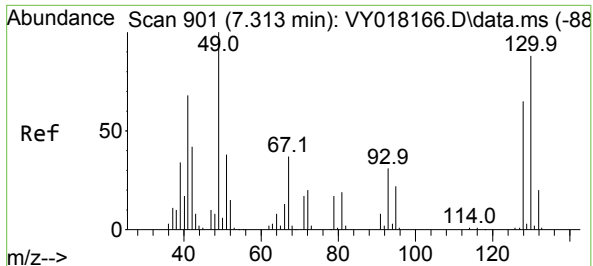
Tgt Ion: 78 Resp: 39406

Ion Ratio Lower Upper

78 100

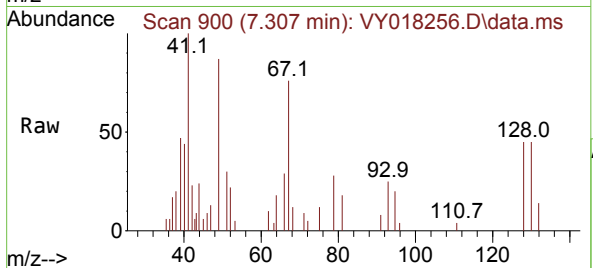
77 21.0 19.5 29.3



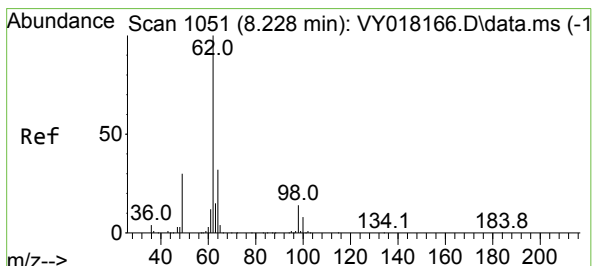
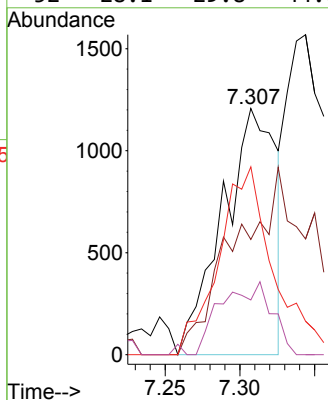
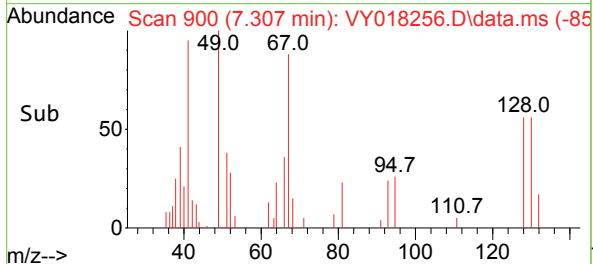


#41
Methacrylonitrile
Concen: 5.043 ug/l
RT: 7.307 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

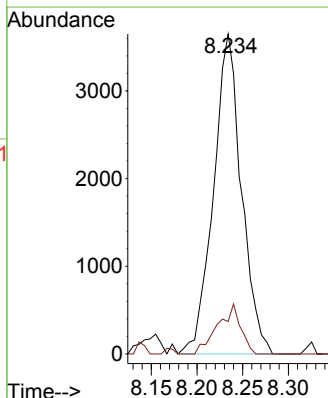
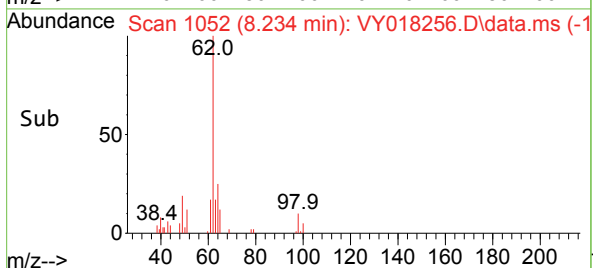
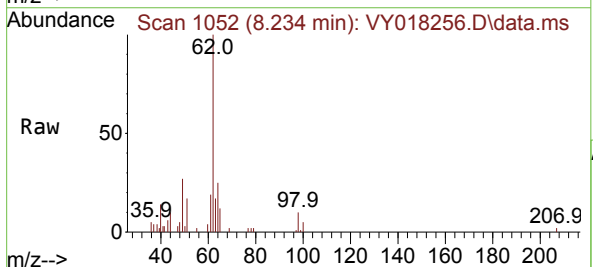


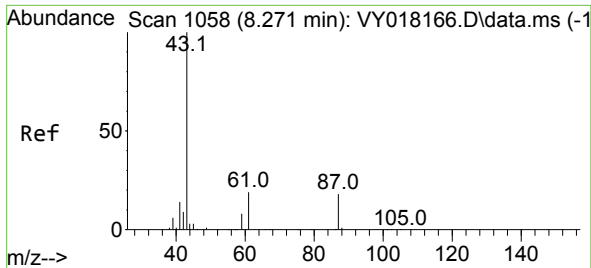
Tgt Ion: 41 Resp: 2989
Ion Ratio Lower Upper
41 100
39 0.0 48.0 72.0#
67 79.3 75.1 112.7
52 28.1 29.8 44.6#



#42
1,2-Dichloroethane
Concen: 4.552 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 62 Resp: 7769
Ion Ratio Lower Upper
62 100
98 12.8 0.0 22.0





#43

Isopropyl Acetate

Concen: 4.322 ug/l

RT: 8.264 min Scan# 11057

Delta R.T. -0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

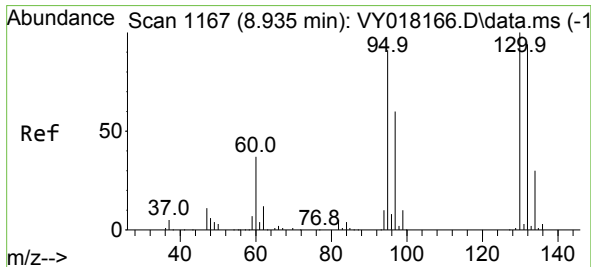
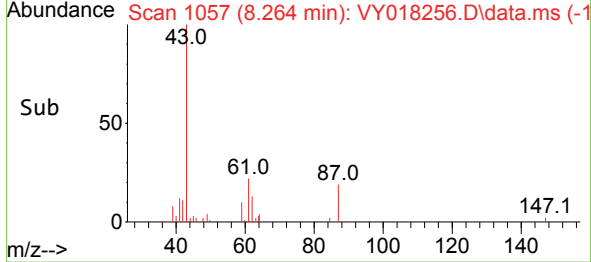
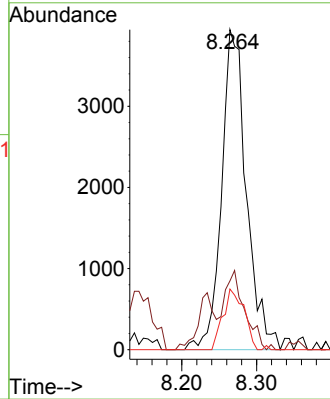
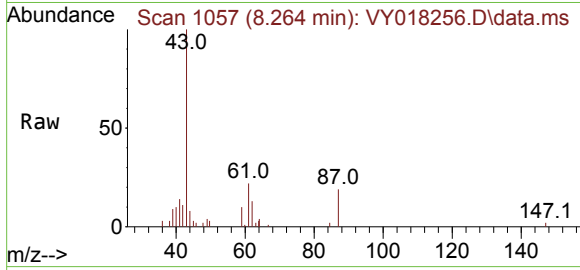
Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	43	Resp:	9094
Ion	Ratio	Lower	Upper
43	100		
61	20.7	27.9	41.9#
87	16.1	13.1	19.7



#44

Trichloroethene

Concen: 4.888 ug/l

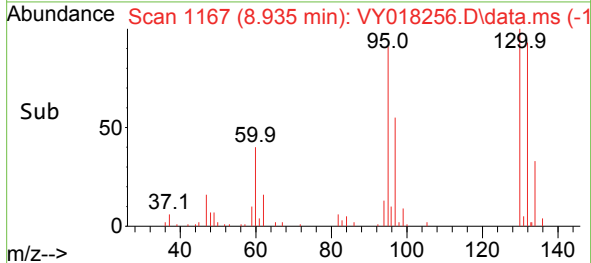
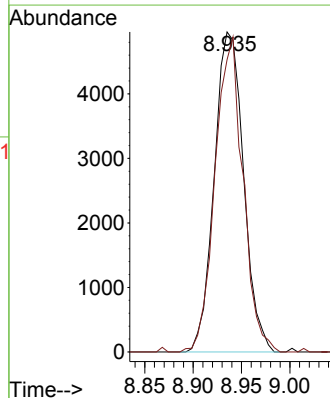
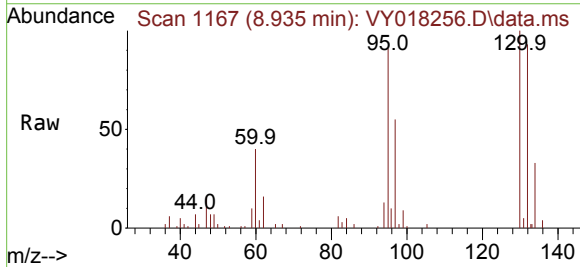
RT: 8.935 min Scan# 1167

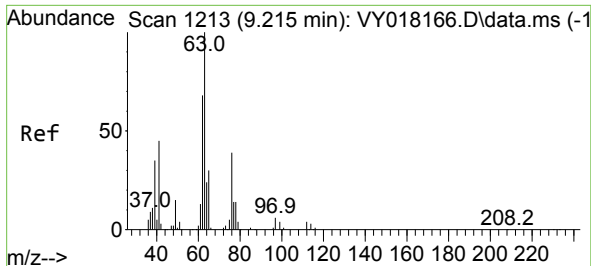
Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Tgt Ion:	130	Resp:	10439
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	188.0

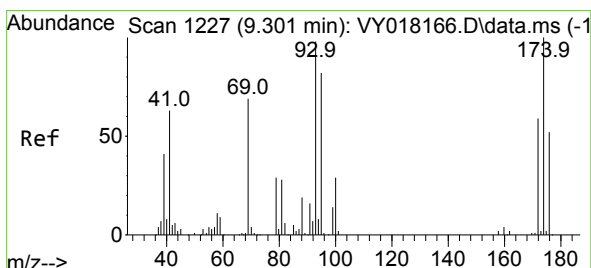
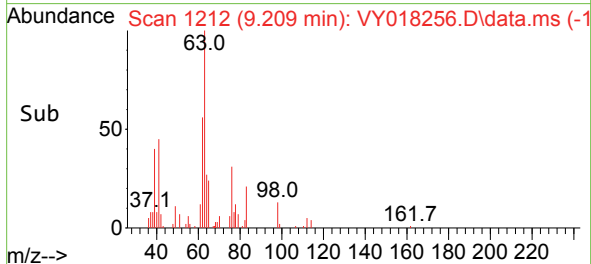
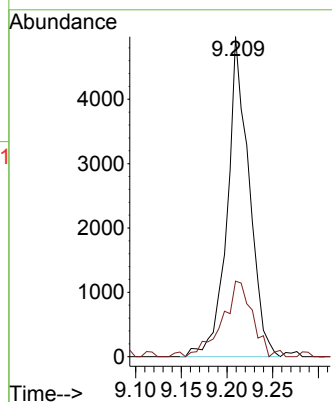
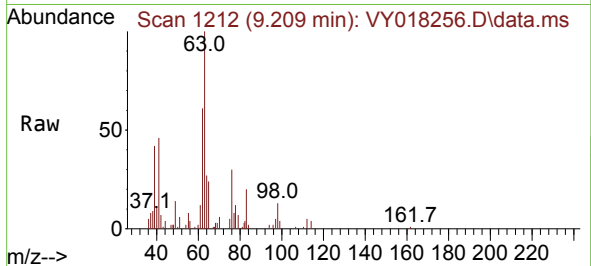




#45
1,2-Dichloropropane
Concen: 4.813 ug/l
RT: 9.209 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

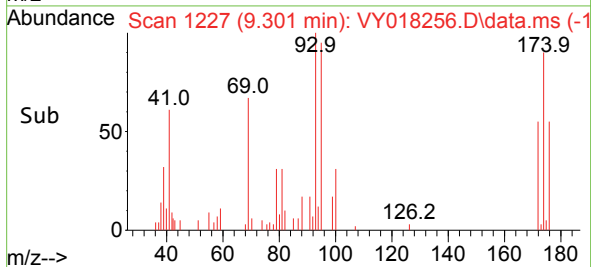
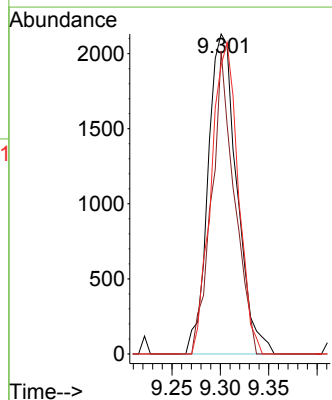
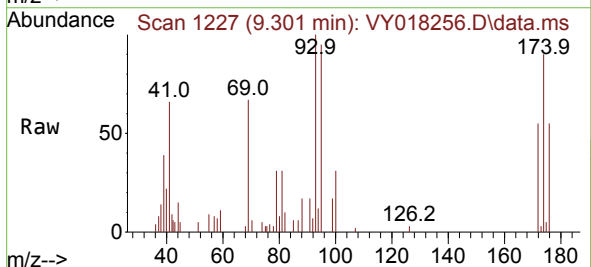
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

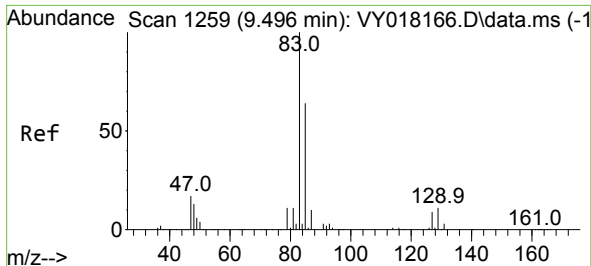
Tgt Ion: 63 Resp: 8255
Ion Ratio Lower Upper
63 100
65 22.2 25.4 38.2#



#46
Dibromomethane
Concen: 4.477 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 93 Resp: 4414
Ion Ratio Lower Upper
93 100
95 74.9 66.2 99.4
174 91.2 80.9 121.3

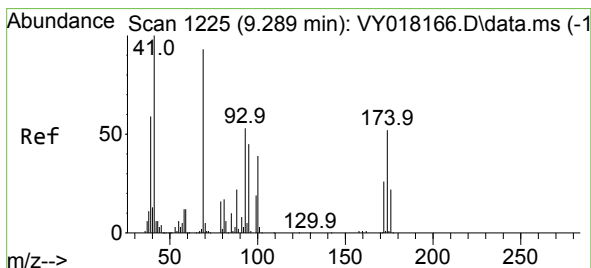
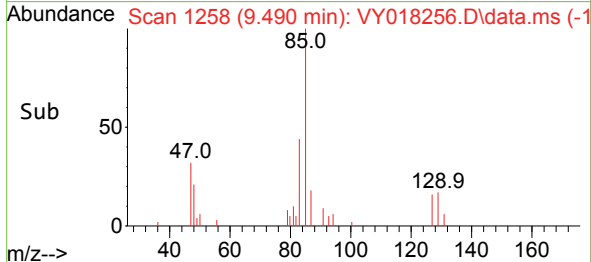
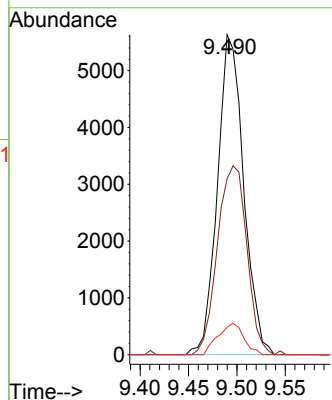
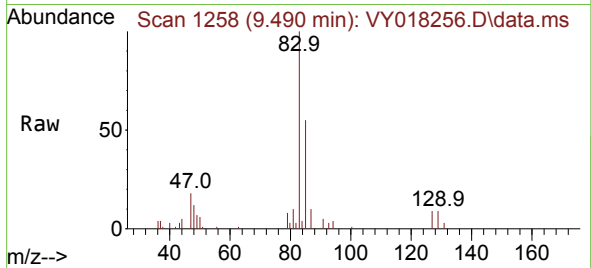




#47
Bromodichloromethane
Concen: 4.346 ug/l
RT: 9.490 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

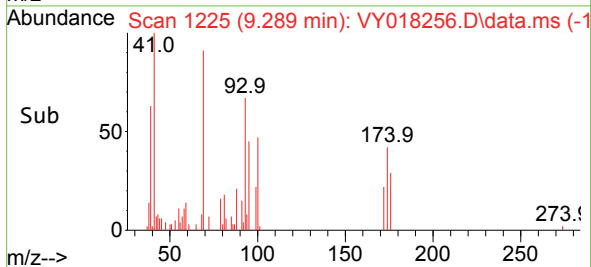
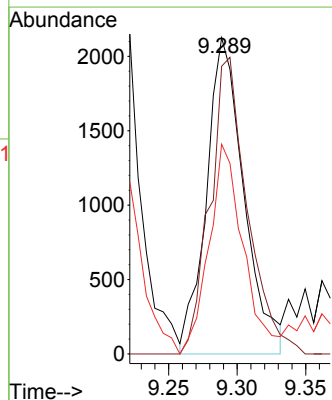
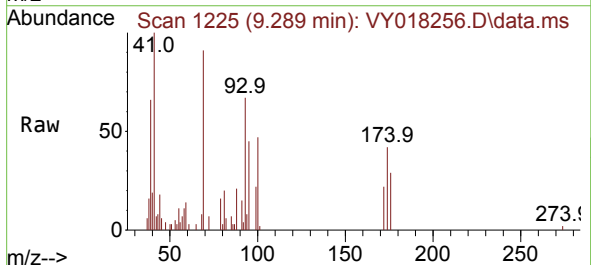
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

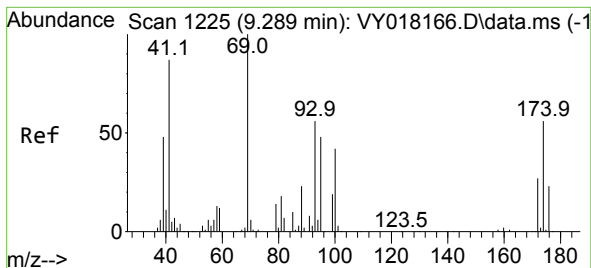
Tgt Ion: 83	Resp: 10594
Ion Ratio	Lower Upper
83 100	
85 55.0	50.1 75.1
127 8.6	7.4 11.0



#48
Methyl methacrylate
Concen: 4.188 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 41	Resp: 4038
Ion Ratio	Lower Upper
41 100	
69 93.9	84.1 126.1
39 60.7	43.6 65.4





#49

1,4-Dioxane

Concen: 85.123 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

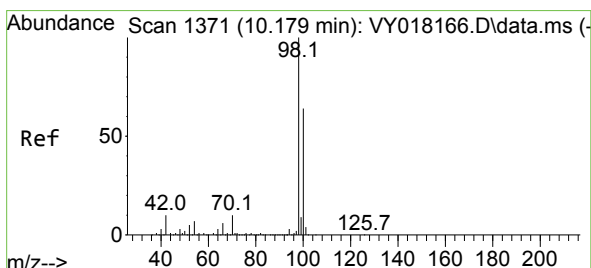
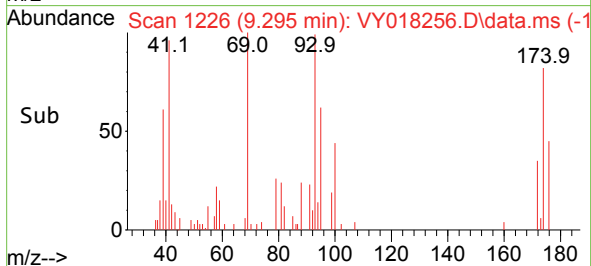
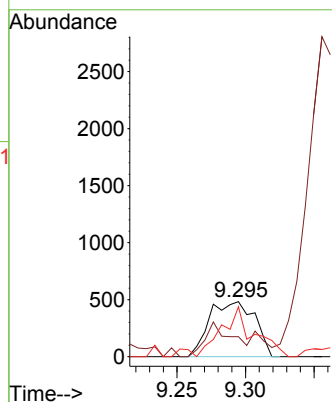
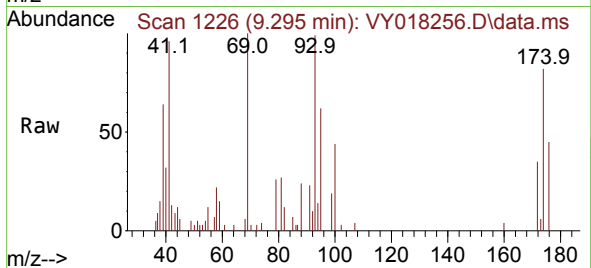
Tgt Ion: 88 Resp: 1114

Ion Ratio Lower Upper

88 100

43 37.4 0.0 0.0#

58 67.9 49.3 73.9



#50

Toluene-d8

Concen: 53.091 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY018256.D

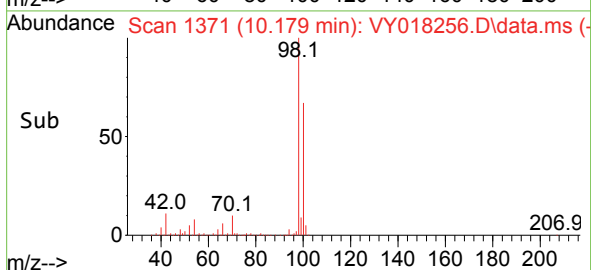
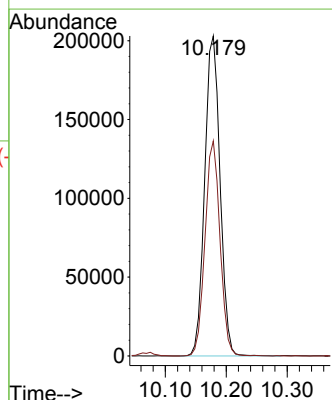
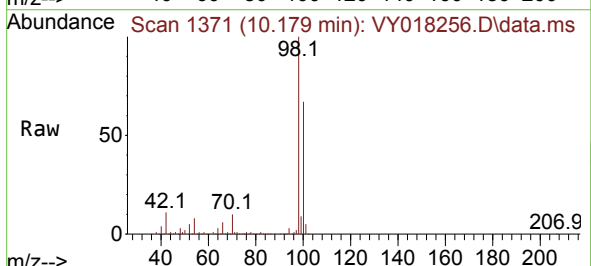
Acq: 14 May 2024 14:24

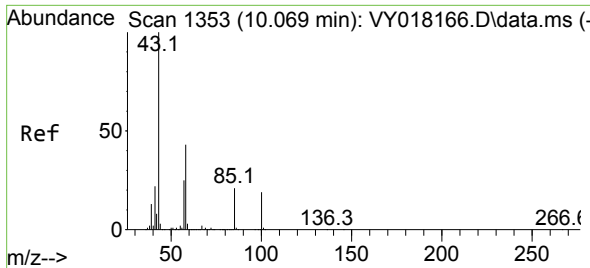
Tgt Ion: 98 Resp: 355908

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0

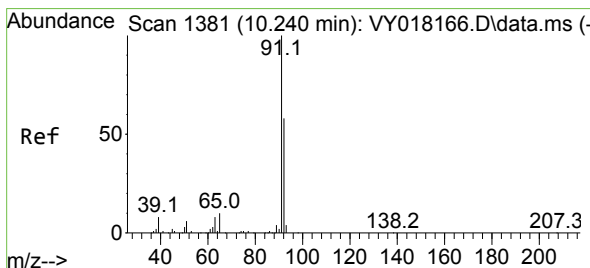
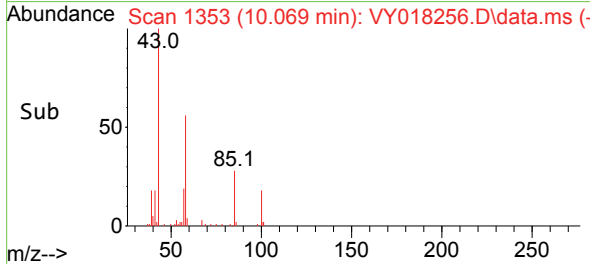
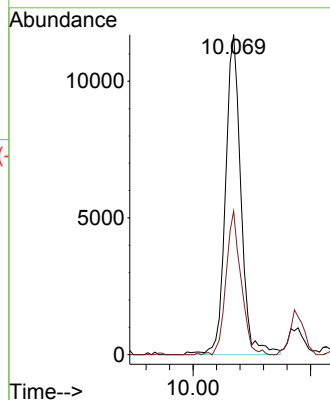
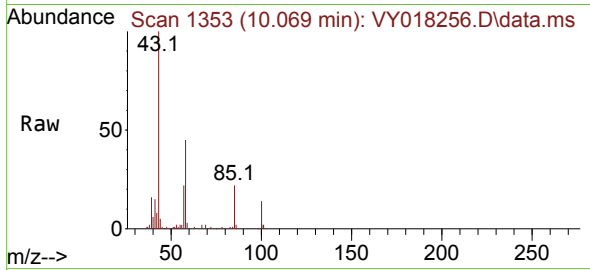




#51
4-Methyl-2-Pentanone
Concen: 20.239 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

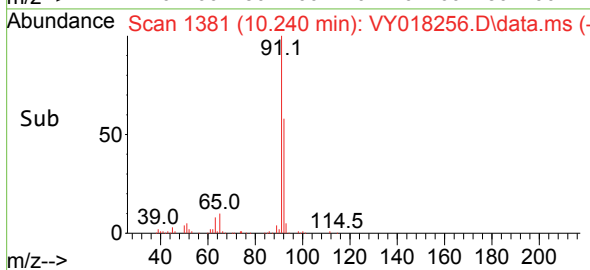
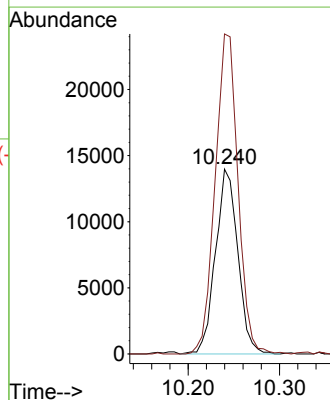
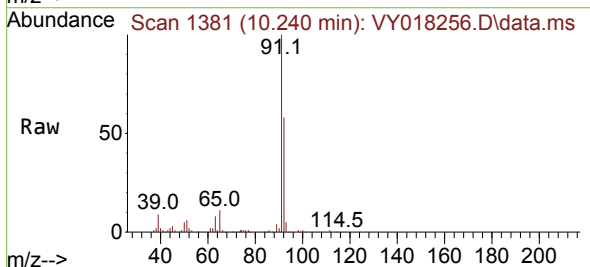
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

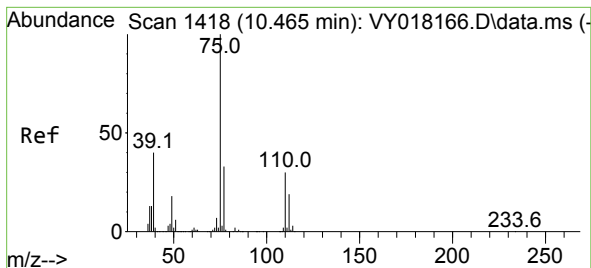
Tgt Ion: 43 Resp: 21402
Ion Ratio Lower Upper
43 100
58 43.6 35.7 53.5



#52
Toluene
Concen: 4.709 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 92 Resp: 23783
Ion Ratio Lower Upper
92 100
91 176.8 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 4.220 ug/l

RT: 10.465 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

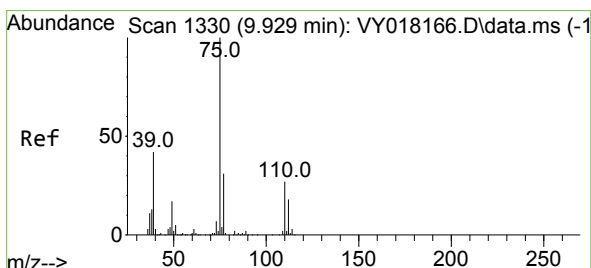
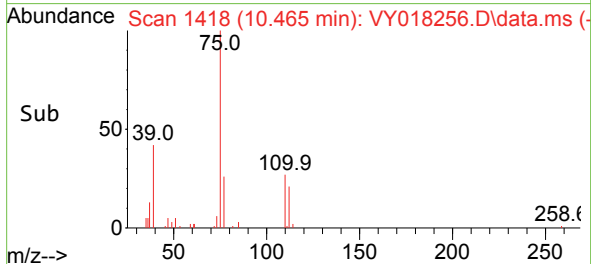
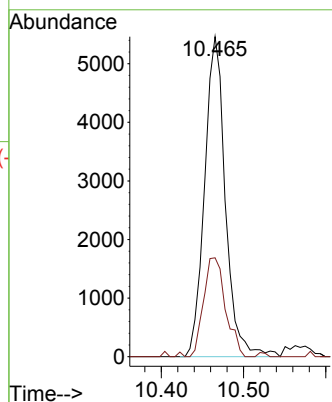
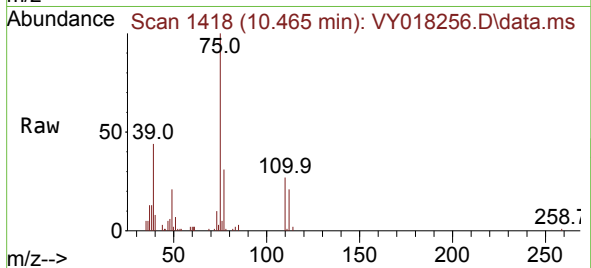
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 75 Resp: 9607

Ion Ratio Lower Upper

75 100

77 30.9 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 4.377 ug/l

RT: 9.923 min Scan# 1329

Delta R.T. -0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

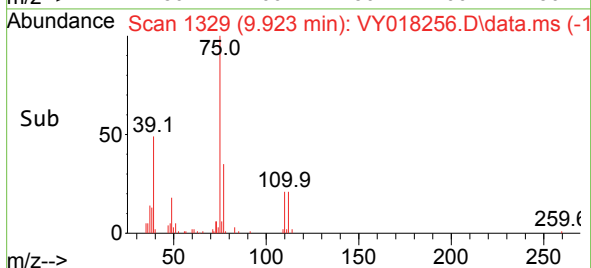
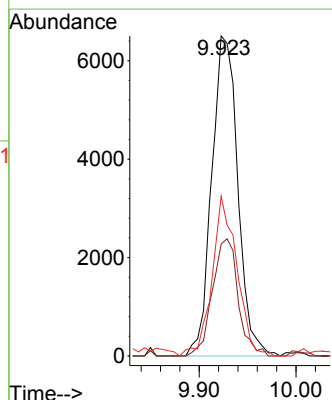
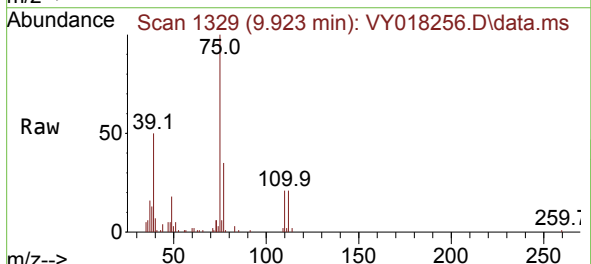
Tgt Ion: 75 Resp: 12182

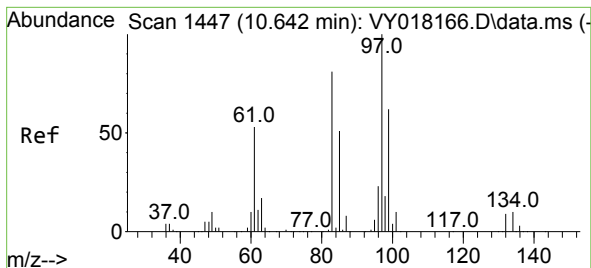
Ion Ratio Lower Upper

75 100

77 35.0 25.4 38.0

39 49.9 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 4.225 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY018256.D

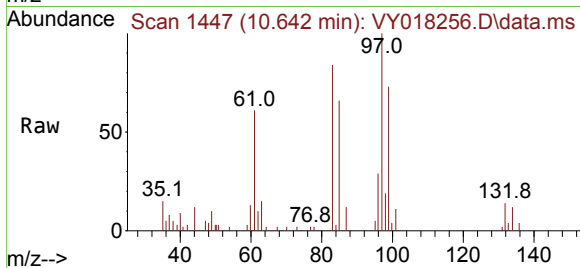
Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 97 Resp: 5723

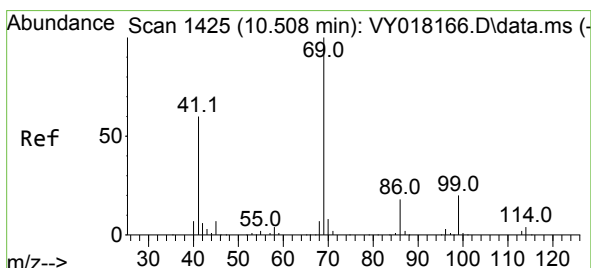
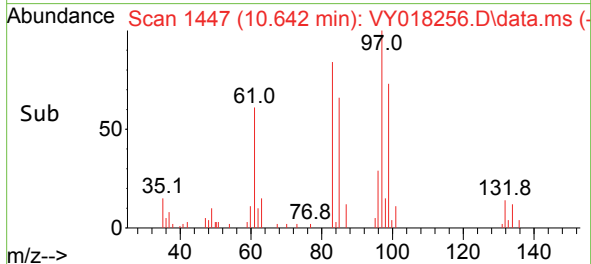
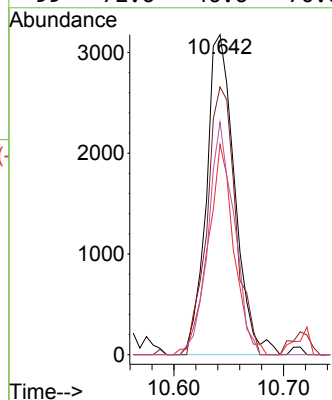
Ion Ratio Lower Upper

97 100

83 83.7 67.5 101.3

85 65.7 42.9 64.3#

99 72.6 46.6 70.0#



#56

Ethyl methacrylate

Concen: 3.842 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

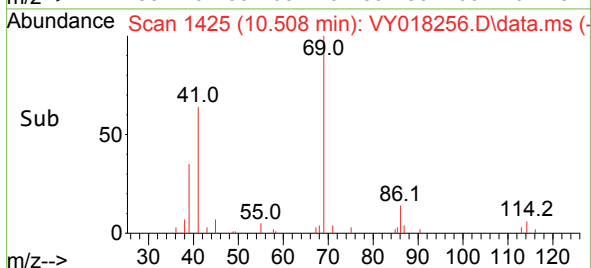
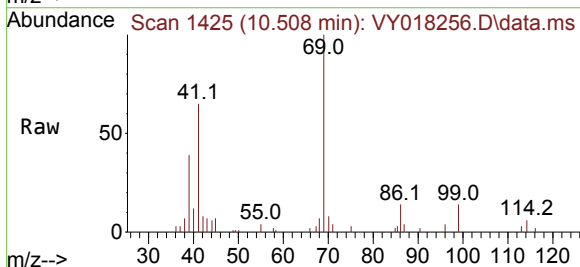
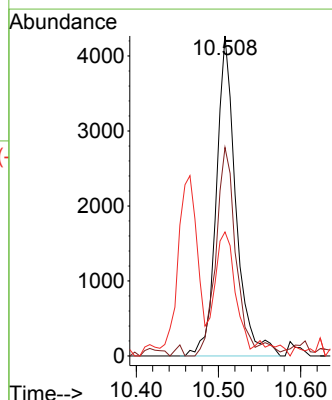
Tgt Ion: 69 Resp: 7068

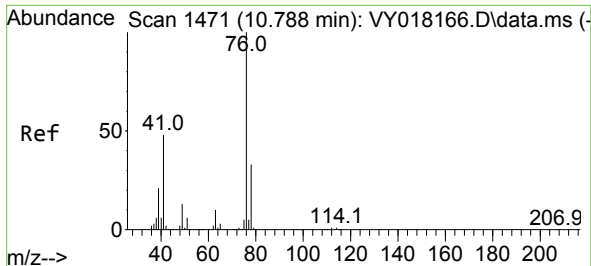
Ion Ratio Lower Upper

69 100

41 66.3 42.3 63.5#

39 39.5 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 4.364 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

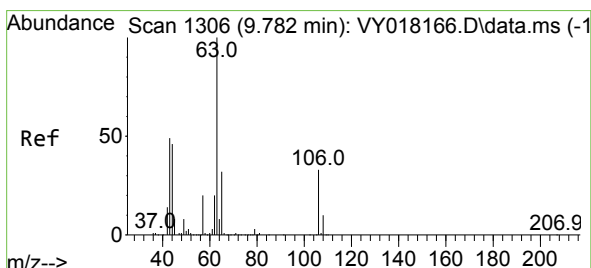
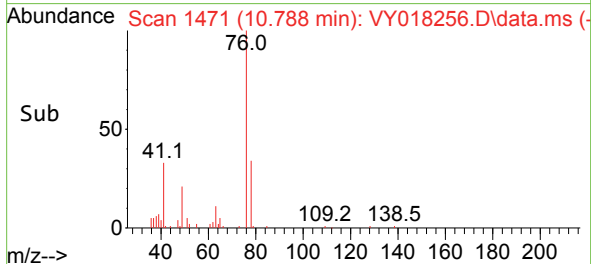
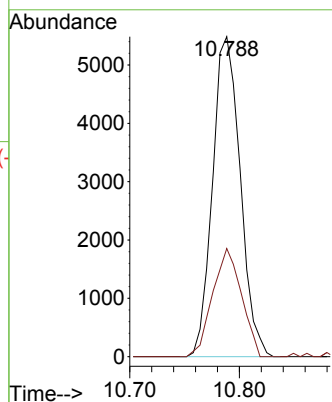
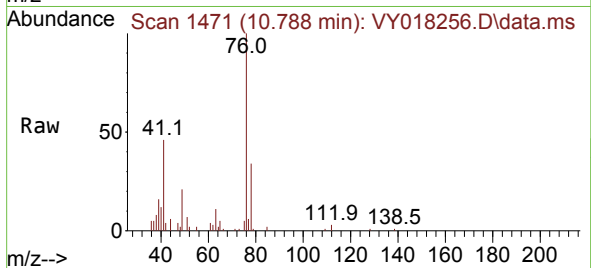
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 76 Resp: 9620

Ion Ratio Lower Upper

76 100

78 35.2 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 13.361 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VY018256.D

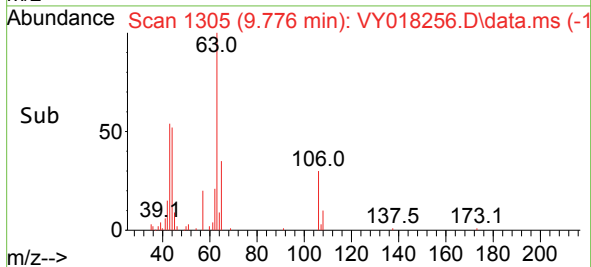
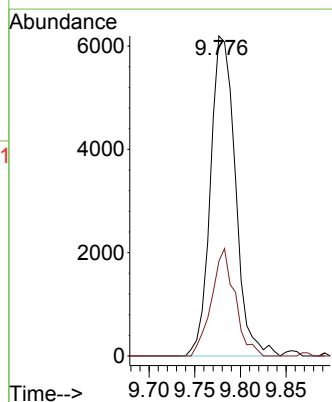
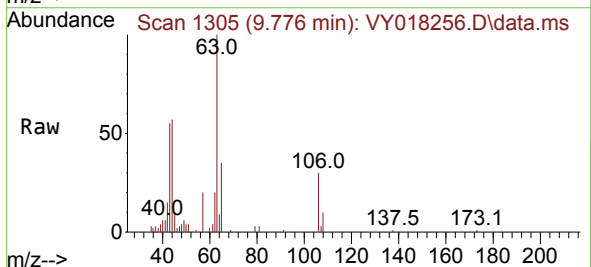
Acq: 14 May 2024 14:24

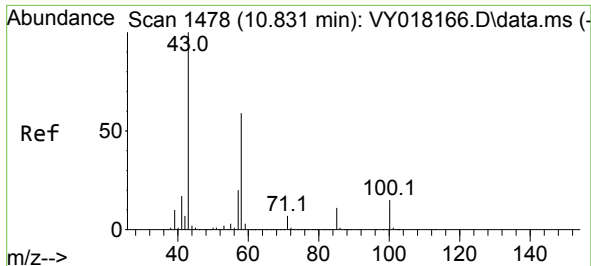
Tgt Ion: 63 Resp: 11736

Ion Ratio Lower Upper

63 100

106 31.7 23.7 35.5

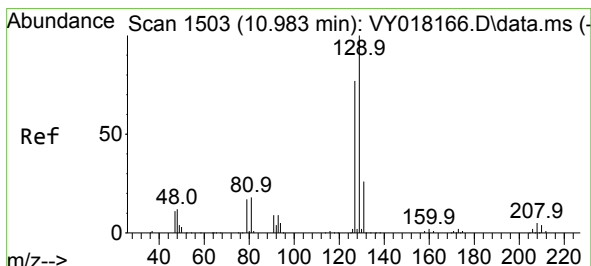
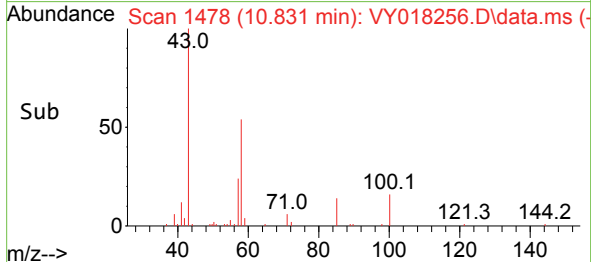
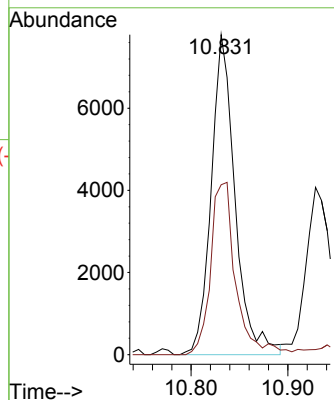
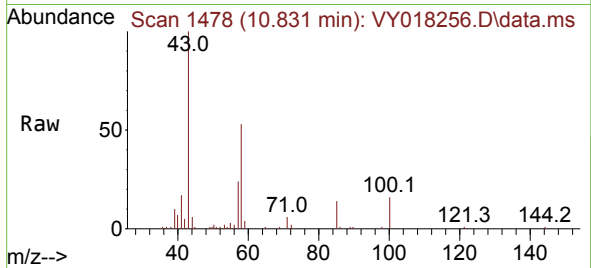




#59
2-Hexanone
Concen: 18.004 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

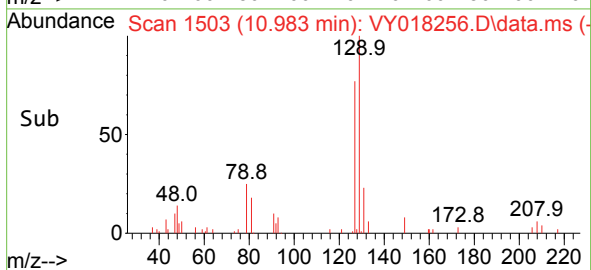
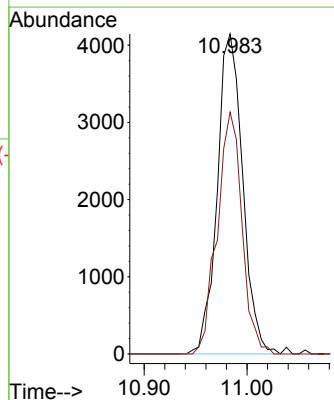
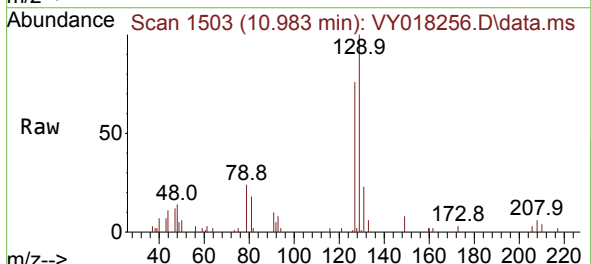
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

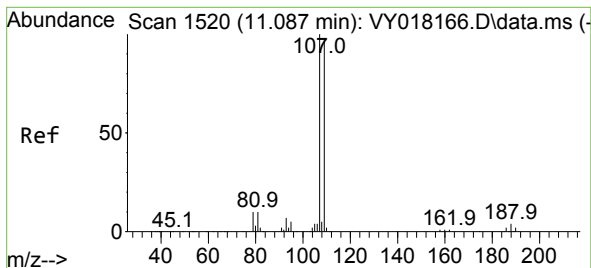
Tgt Ion: 43 Resp: 13312
Ion Ratio Lower Upper
43 100
58 56.4 31.4 94.0



#60
Dibromochloromethane
Concen: 4.062 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 129 Resp: 7137
Ion Ratio Lower Upper
129 100
127 73.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 3.941 ug/l

RT: 11.087 min Scan# 1520

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

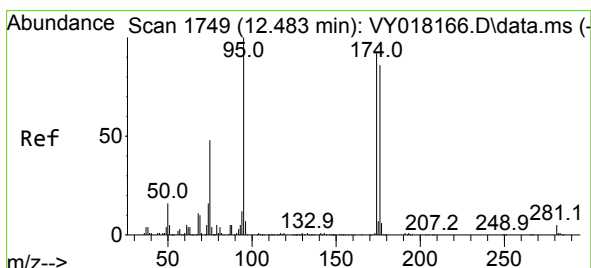
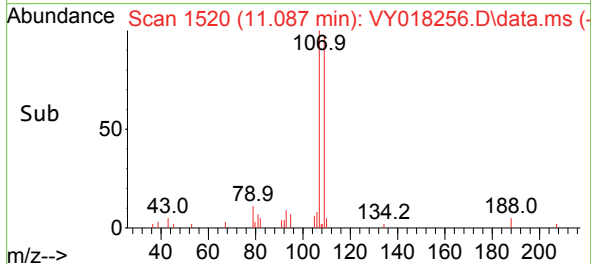
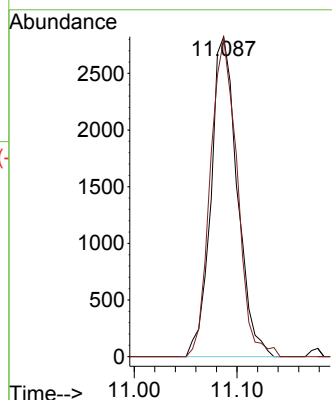
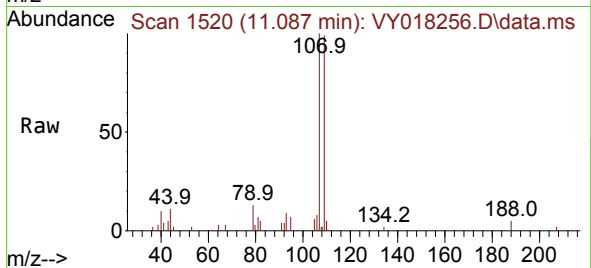
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:107 Resp: 5028

Ion Ratio Lower Upper

107 100

109 101.3 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 46.811 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

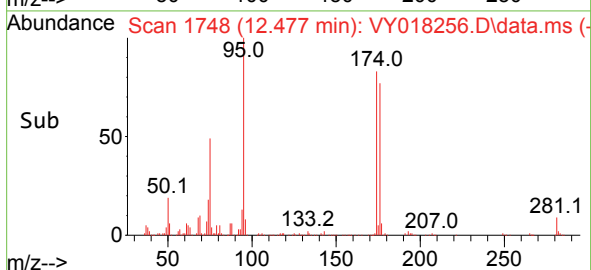
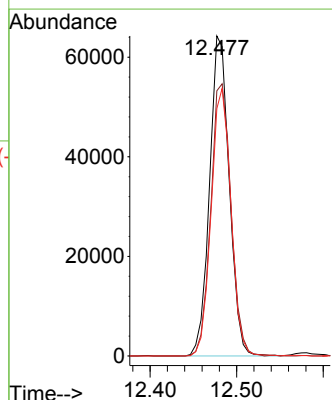
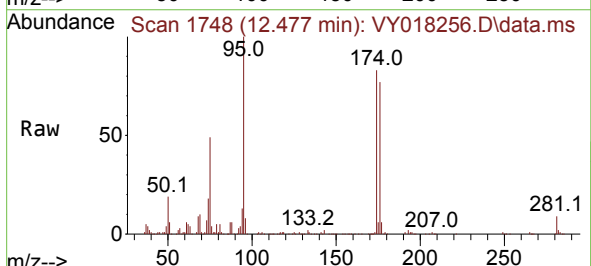
Tgt Ion: 95 Resp: 101342

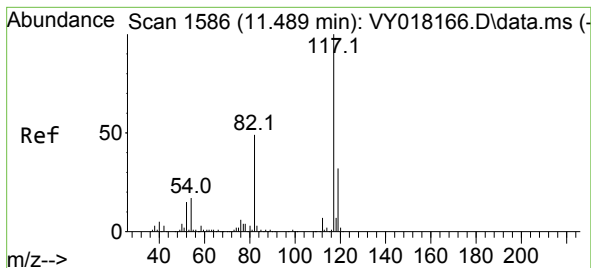
Ion Ratio Lower Upper

95 100

174 87.6 0.0 175.6

176 84.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

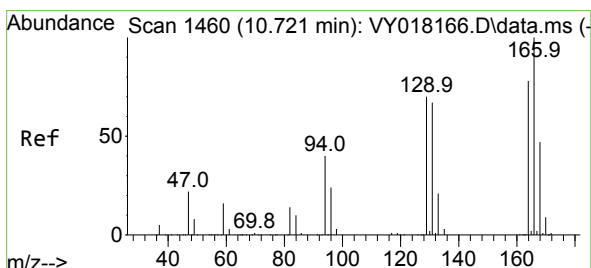
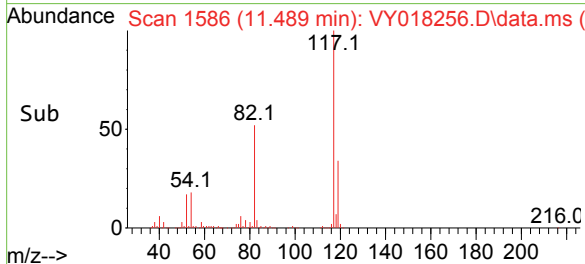
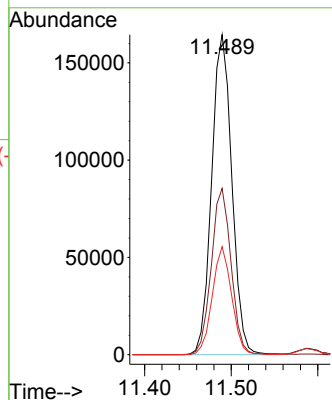
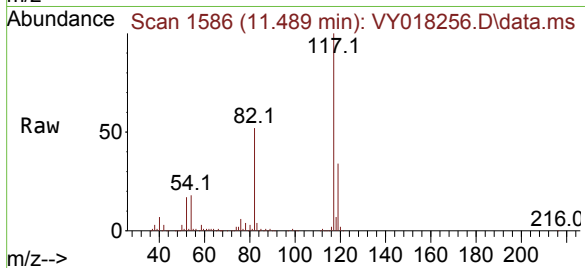
Tgt Ion:117 Resp: 266410

Ion Ratio Lower Upper

117 100

82 51.9 42.4 63.6

119 33.7 25.9 38.9



#64

Tetrachloroethene

Concen: 4.713 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Tgt Ion:164 Resp: 8360

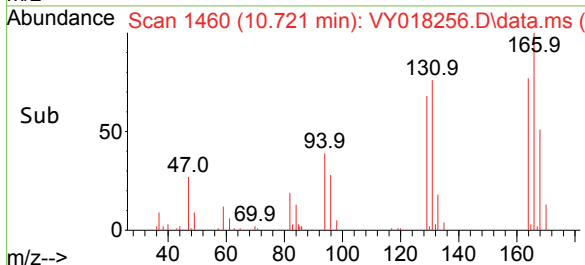
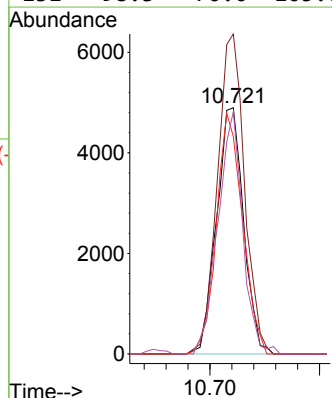
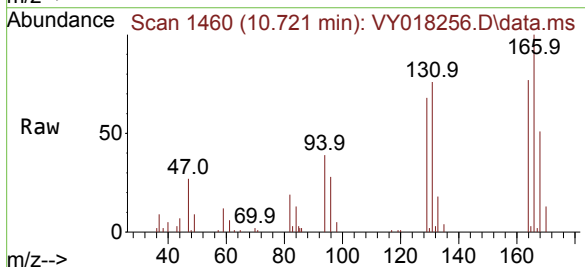
Ion Ratio Lower Upper

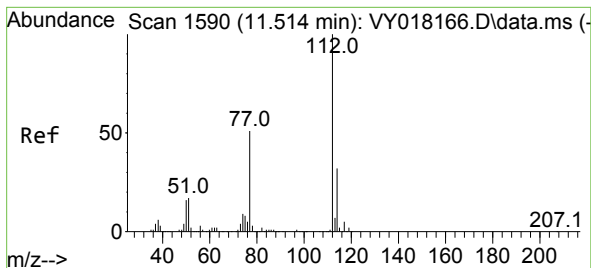
164 100

166 130.0 102.6 154.0

129 88.3 72.0 108.0

131 98.3 70.0 105.0





#65

Chlorobenzene

Concen: 4.602 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

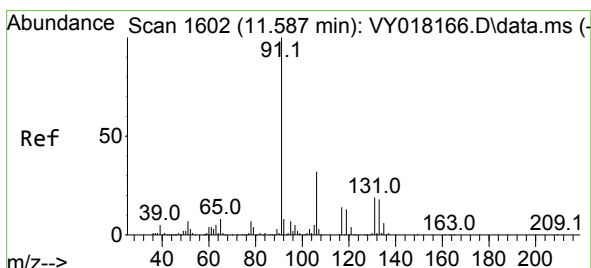
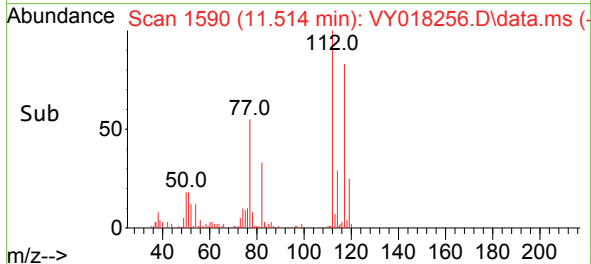
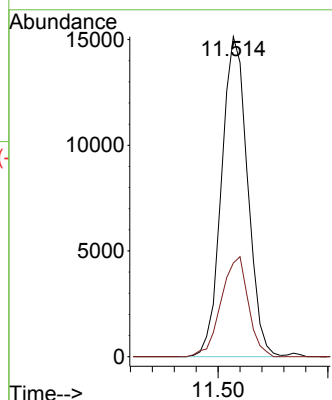
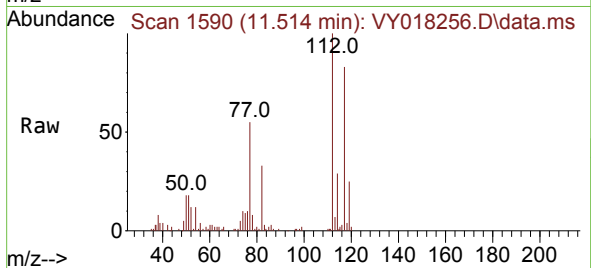
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:112 Resp: 24970

Ion Ratio Lower Upper

112 100

114 29.2 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 4.485 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

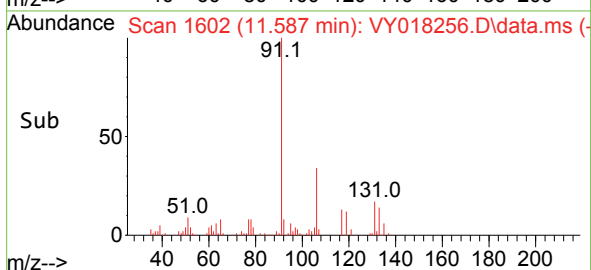
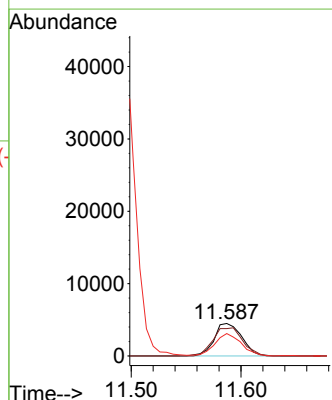
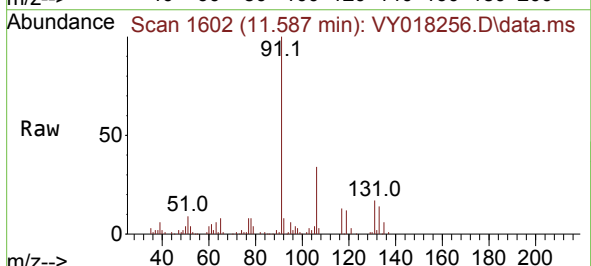
Tgt Ion:131 Resp: 7872

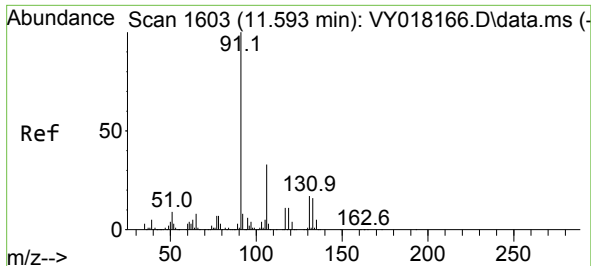
Ion Ratio Lower Upper

131 100

133 92.7 47.8 143.3

119 66.3 34.1 102.2

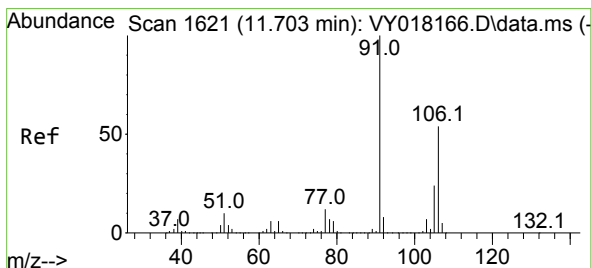
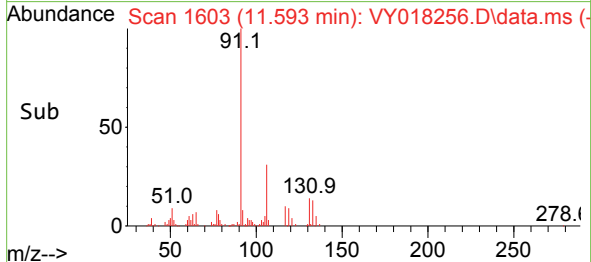
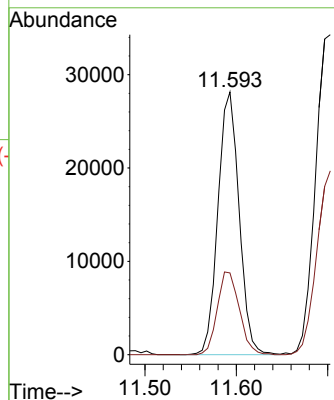
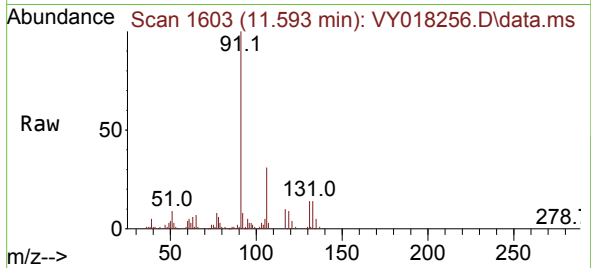




#67
Ethyl Benzene
Concen: 4.948 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

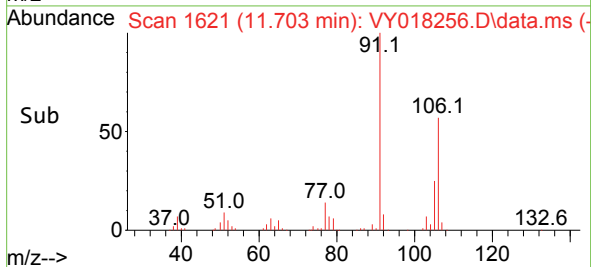
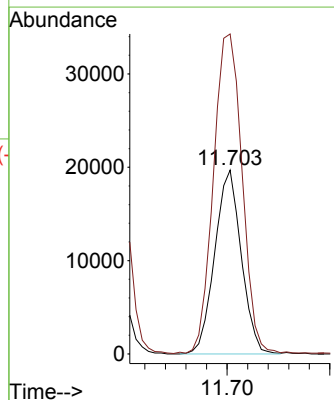
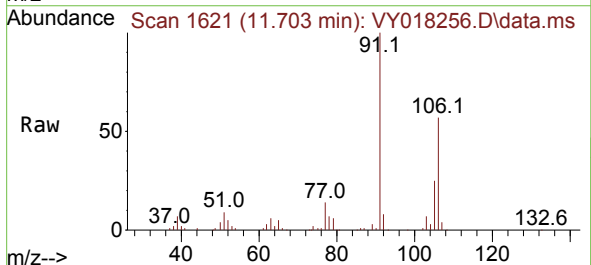
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

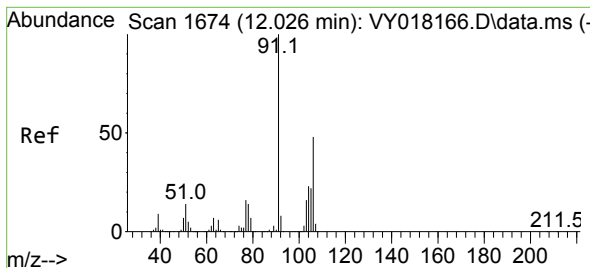
Tgt Ion: 91 Resp: 45333
Ion Ratio Lower Upper
91 100
106 31.1 24.5 36.7



#68
m/p-Xylenes
Concen: 9.735 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 106 Resp: 35269
Ion Ratio Lower Upper
106 100
91 187.7 156.0 234.0





#69

o-Xylene

Concen: 4.662 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

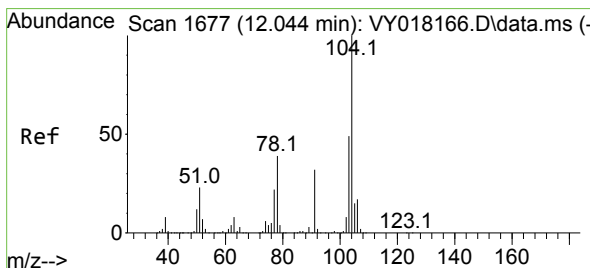
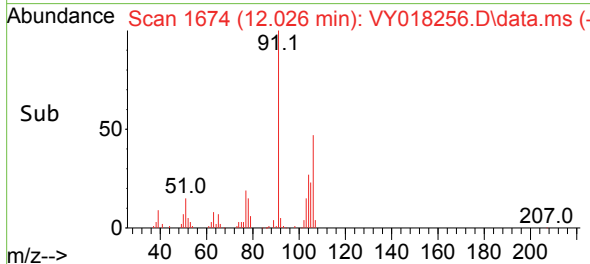
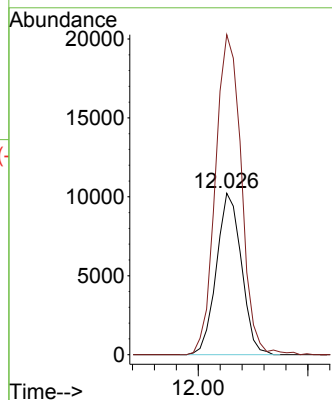
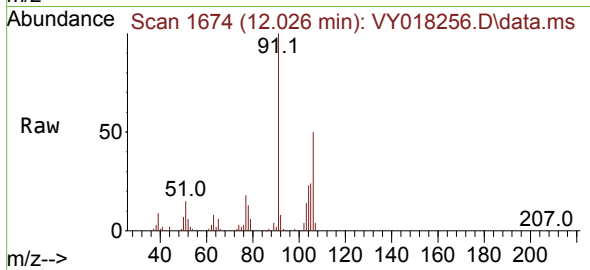
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:106 Resp: 16208

Ion Ratio Lower Upper

106 100

91 205.7 103.6 310.8



#70

Styrene

Concen: 4.343 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

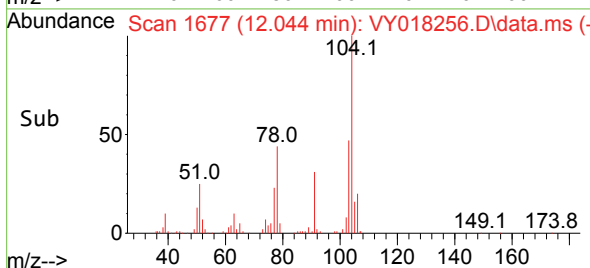
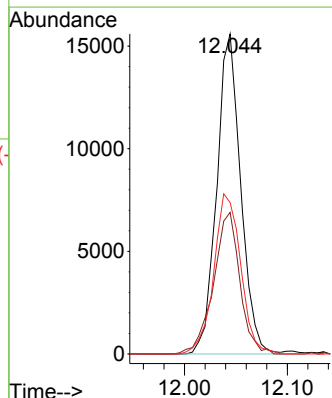
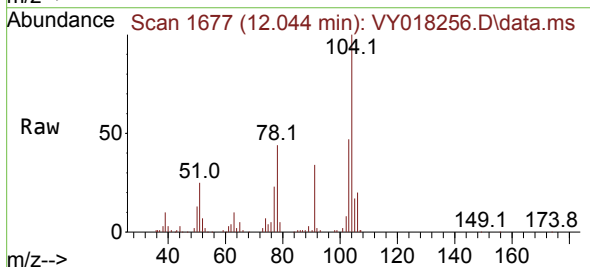
Tgt Ion:104 Resp: 25217

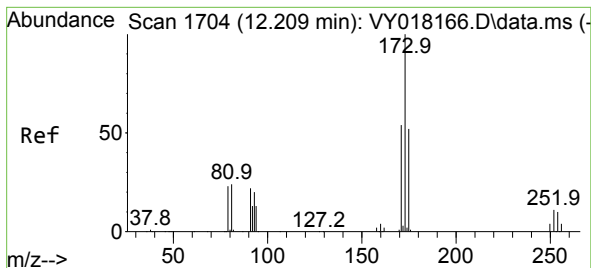
Ion Ratio Lower Upper

104 100

78 48.6 37.0 55.4

103 56.2 44.2 66.2





#71

Bromoform

Concen: 3.911 ug/l

RT: 12.203 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY018256.D

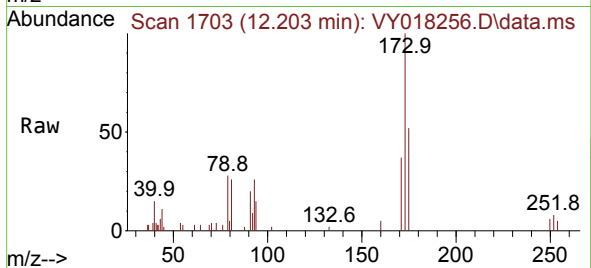
Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



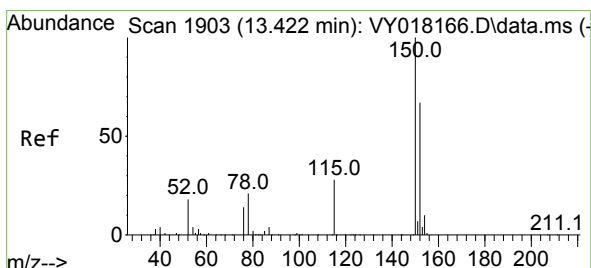
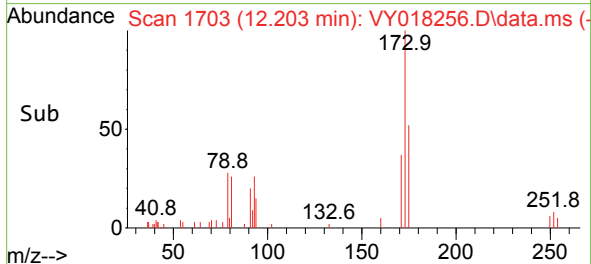
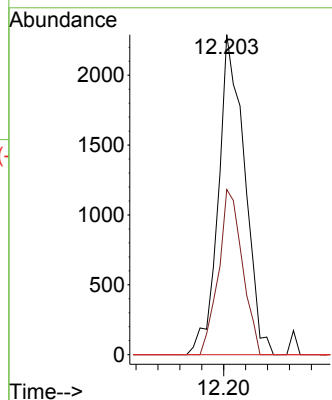
Tgt Ion:173 Resp: 3798

Ion Ratio Lower Upper

173 100

175 47.0 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

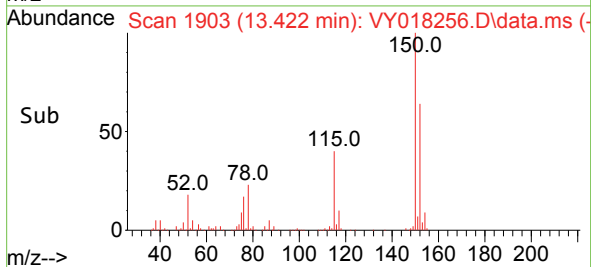
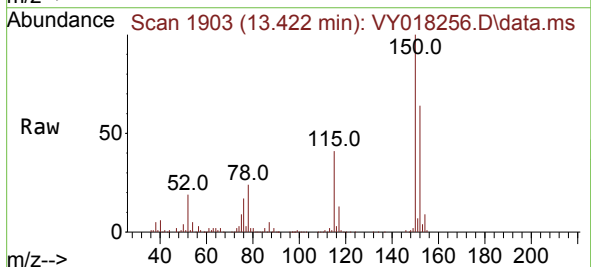
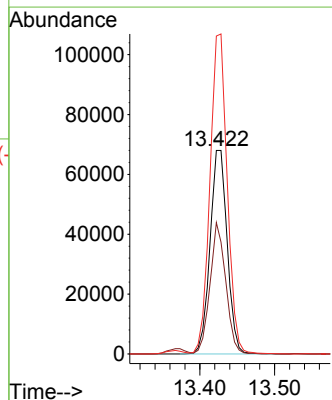
Tgt Ion:152 Resp: 108782

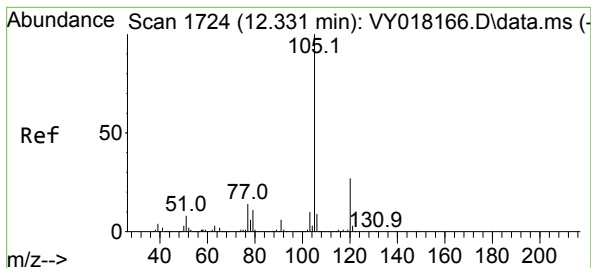
Ion Ratio Lower Upper

152 100

115 59.0 28.2 84.7

150 157.8 0.0 345.6





#73

Isopropylbenzene

Concen: 5.177 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

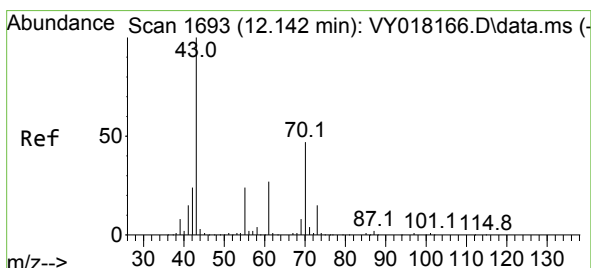
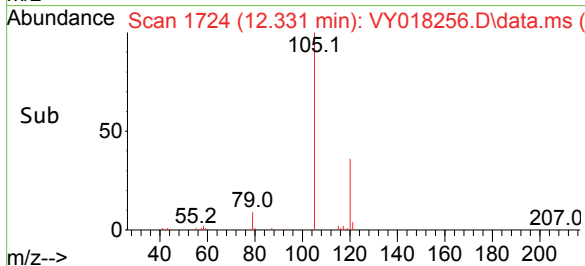
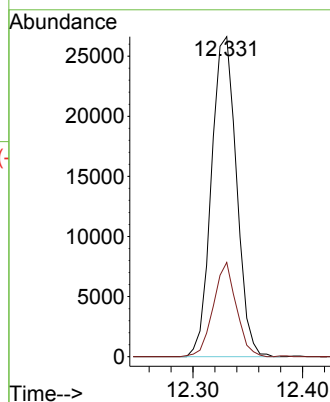
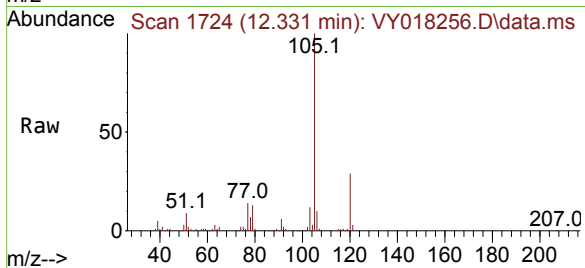
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:105 Resp: 42222

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1



#74

N-ethyl acetate

Concen: 4.269 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Tgt Ion: 43 Resp: 7228

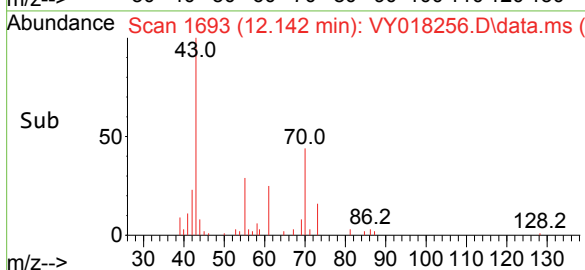
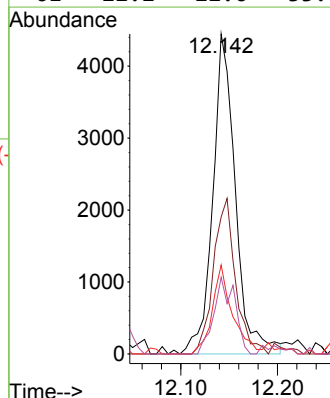
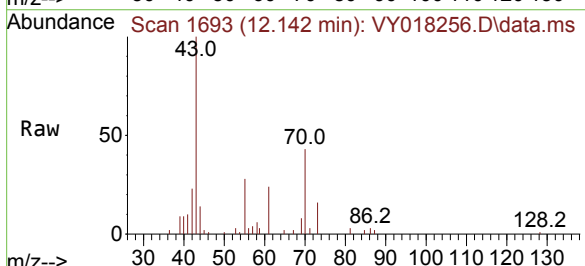
Ion Ratio Lower Upper

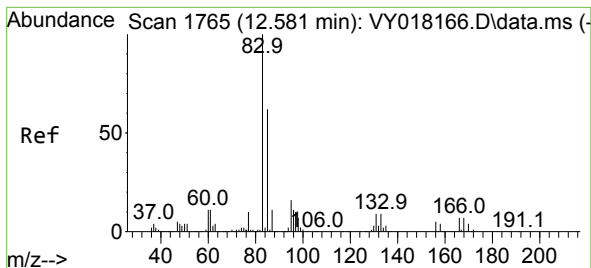
43 100

70 47.4 41.4 62.2

55 25.1 23.3 34.9

61 22.2 22.6 33.8#





#75

1,1,2-Tetrachloroethane

Concen: 4.821 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

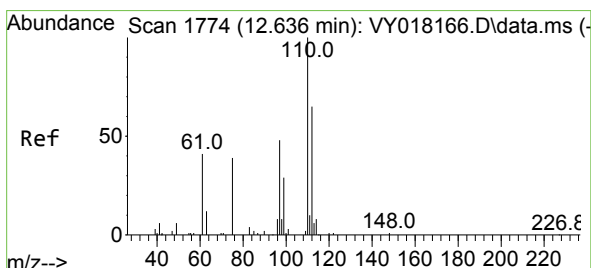
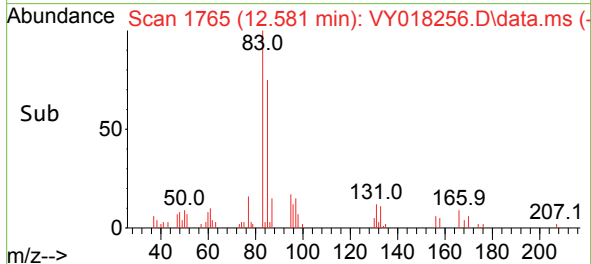
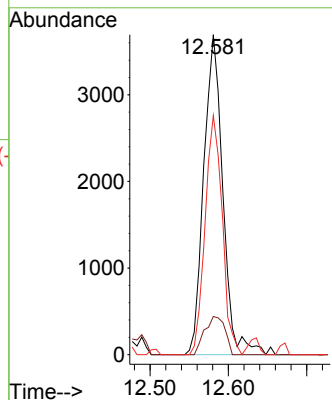
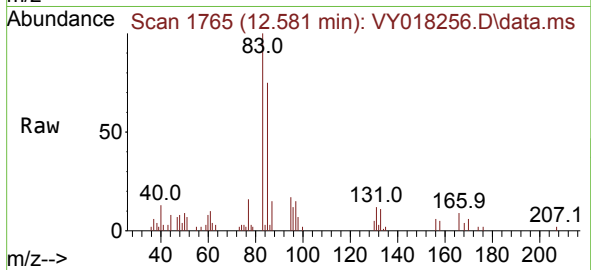
Tgt Ion: 83 Resp: 6272

Ion Ratio Lower Upper

83 100

131 12.6 5.0 14.9

85 66.8 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 8.419 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY018256.D

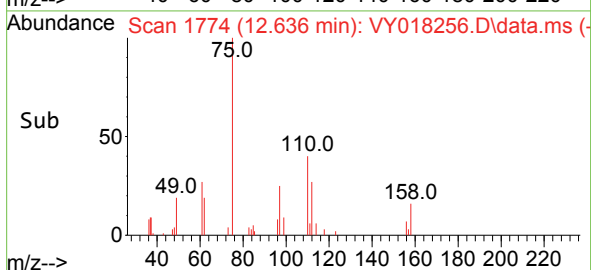
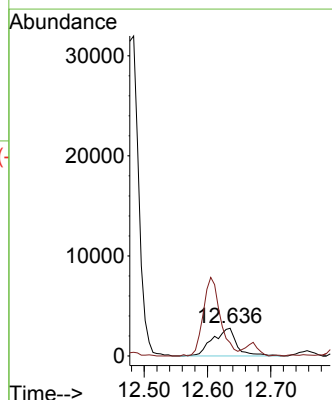
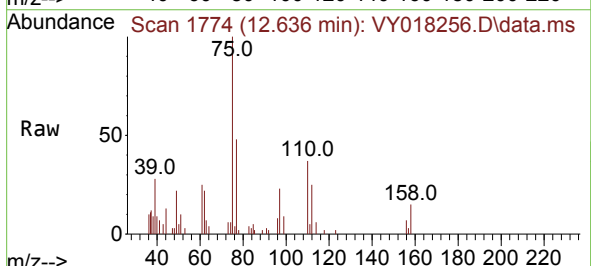
Acq: 14 May 2024 14:24

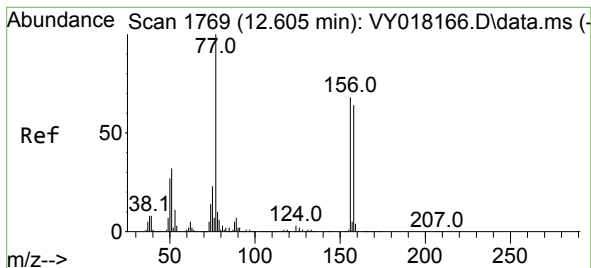
Tgt Ion: 75 Resp: 7331

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.750 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

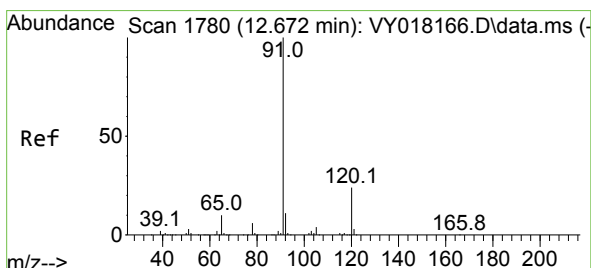
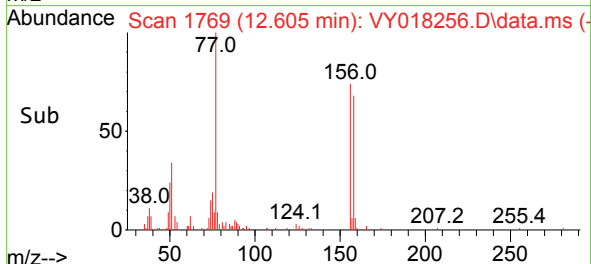
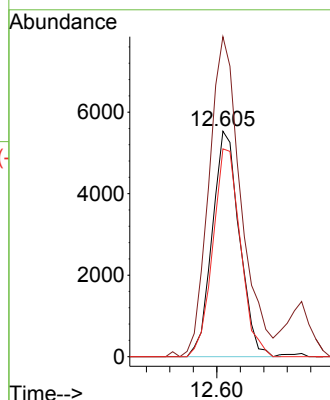
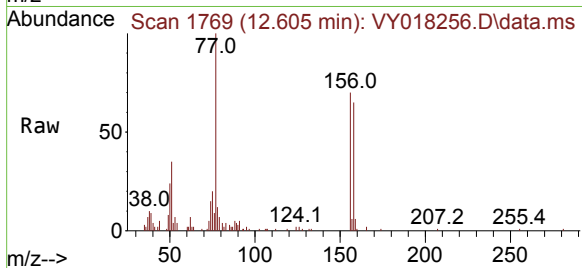
Tgt Ion:156 Resp: 8900

Ion Ratio Lower Upper

156 100

77 167.2 87.1 261.3

158 93.6 48.6 145.9



#78

n-propylbenzene

Concen: 5.287 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY018256.D

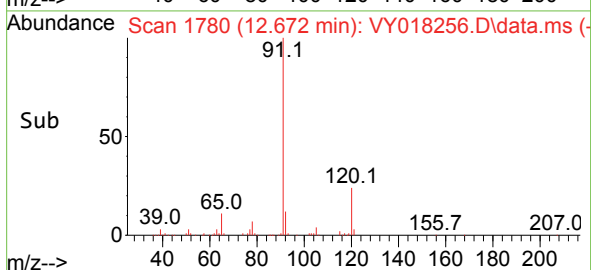
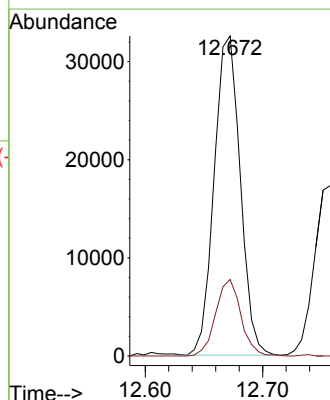
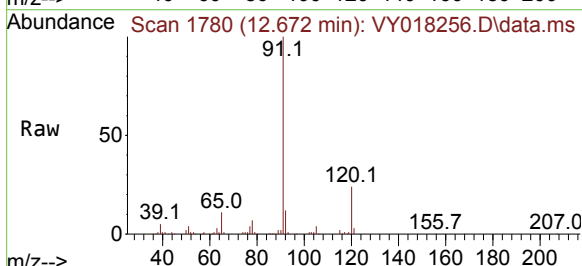
Acq: 14 May 2024 14:24

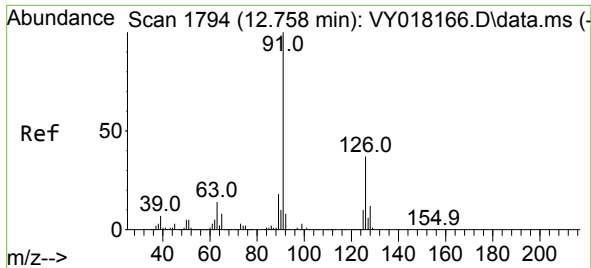
Tgt Ion: 91 Resp: 50159

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4

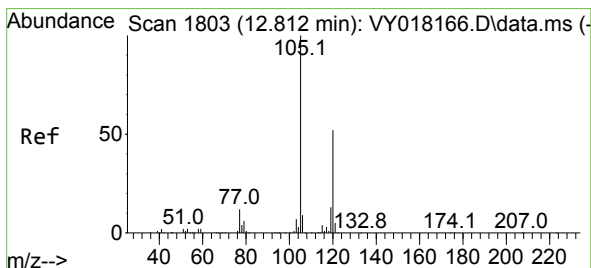
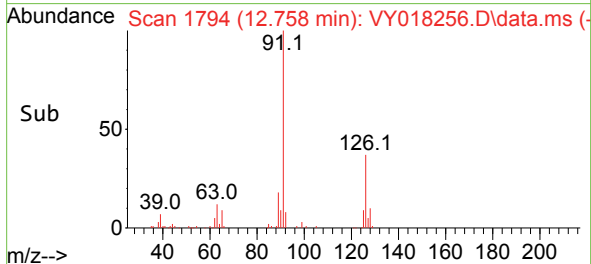
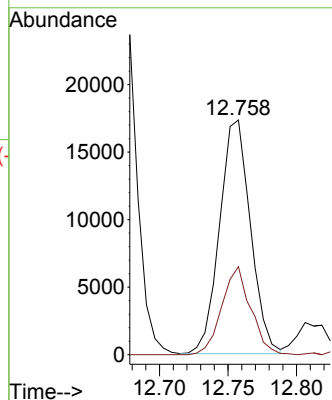
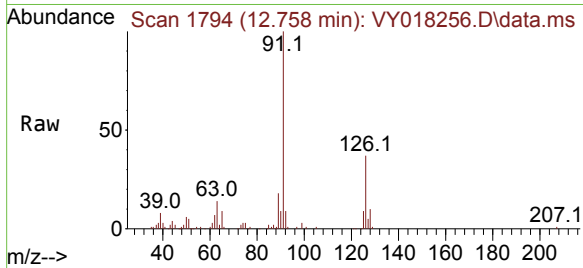




#79
2-Chlorotoluene
Concen: 5.158 ug/l
RT: 12.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

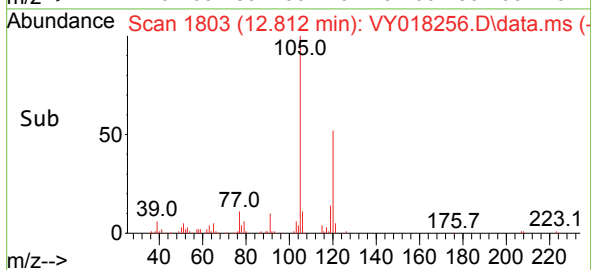
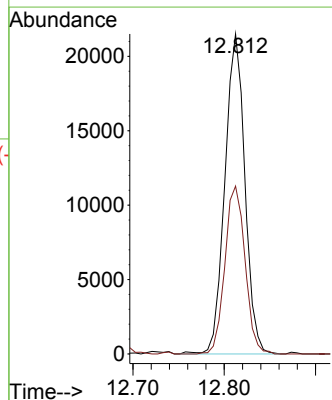
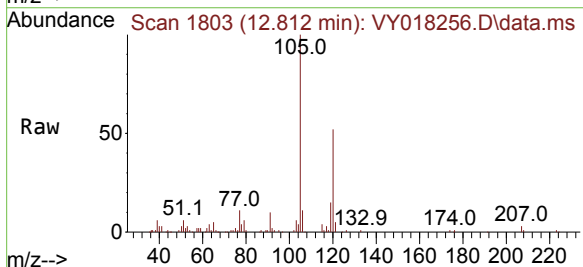
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

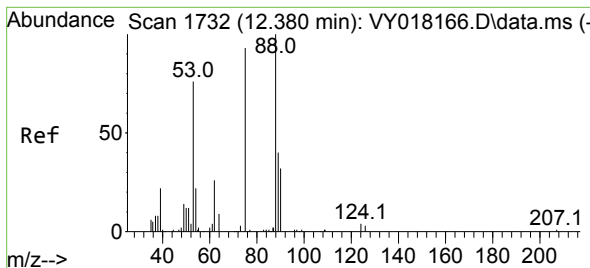
Tgt Ion: 91 Resp: 27192
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 5.092 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 105 Resp: 32745
Ion Ratio Lower Upper
105 100
120 52.8 25.1 75.2

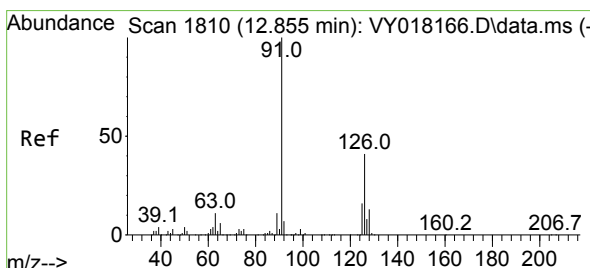
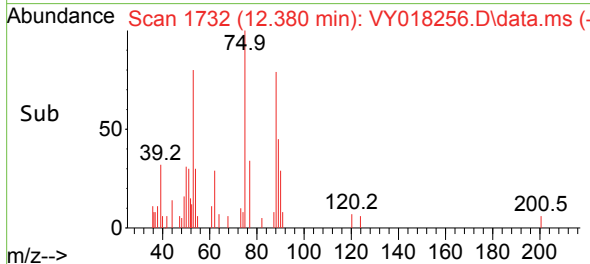
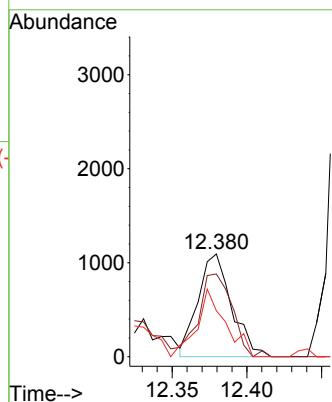
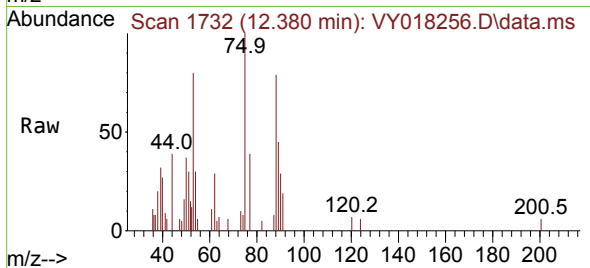




#81
trans-1,4-Dichloro-2-butene
Concen: 3.773 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

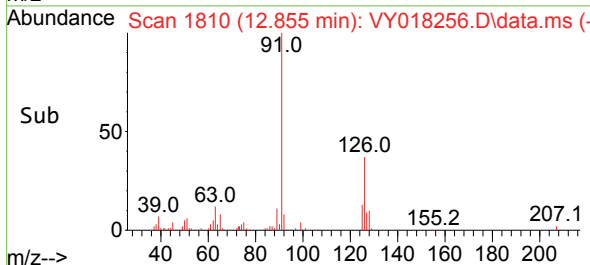
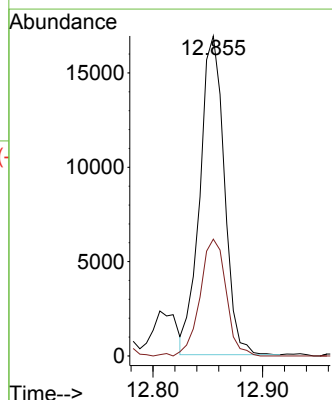
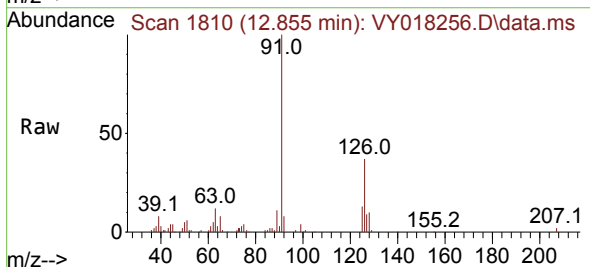
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

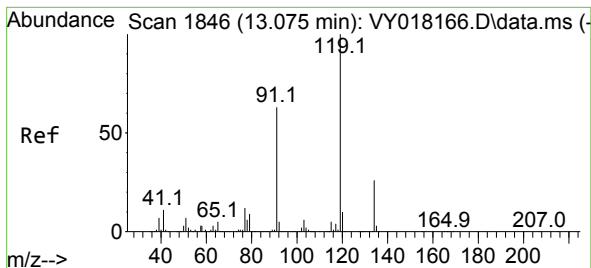
Tgt Ion: 75 Resp: 1705
Ion Ratio Lower Upper
75 100
53 81.9 66.8 100.2
89 55.5 35.8 53.6#



#82
4-Chlorotoluene
Concen: 4.938 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY018256.D
Acq: 14 May 2024 14:24

Tgt Ion: 91 Resp: 26148
Ion Ratio Lower Upper
91 100
126 39.1 17.6 52.9





#83

tert-Butylbenzene

Concen: 5.074 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

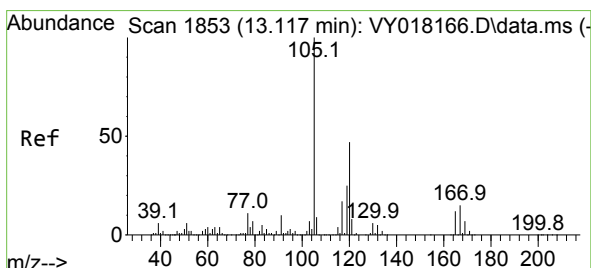
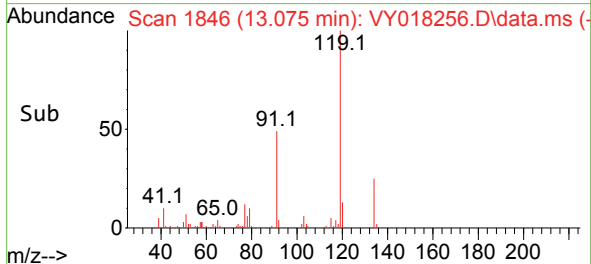
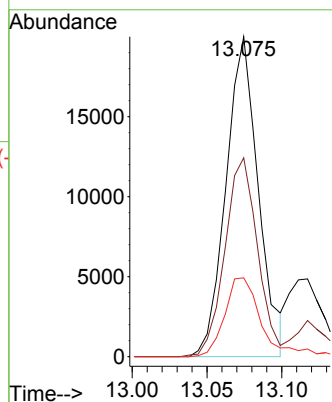
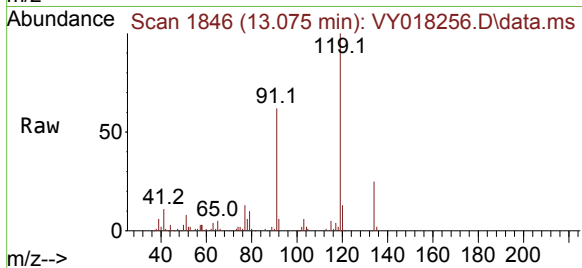
Tgt Ion:119 Resp: 30102

Ion Ratio Lower Upper

119 100

91 62.7 31.3 93.8

134 28.1 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 4.997 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY018256.D

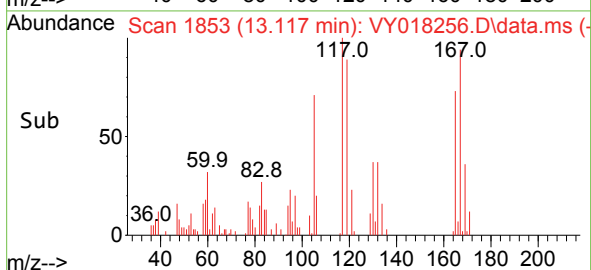
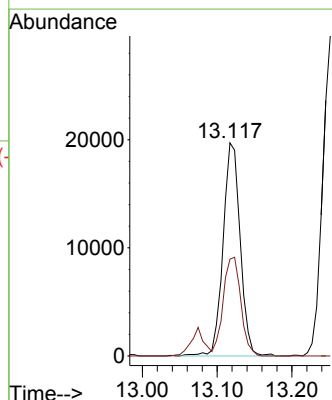
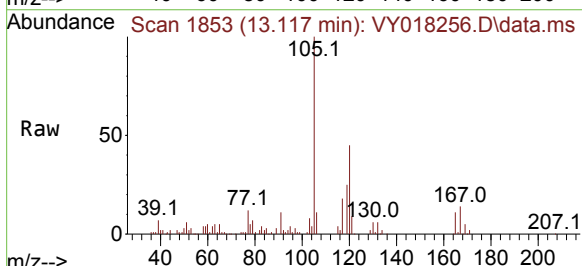
Acq: 14 May 2024 14:24

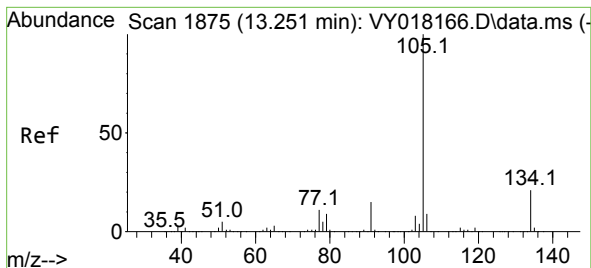
Tgt Ion:105 Resp: 31481

Ion Ratio Lower Upper

105 100

120 47.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 5.108 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

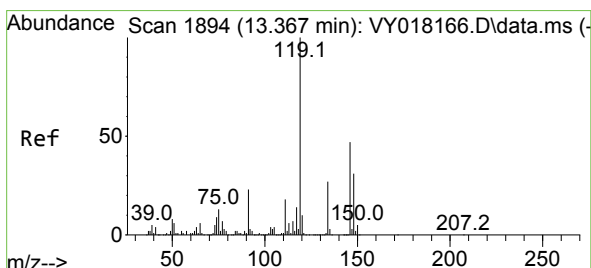
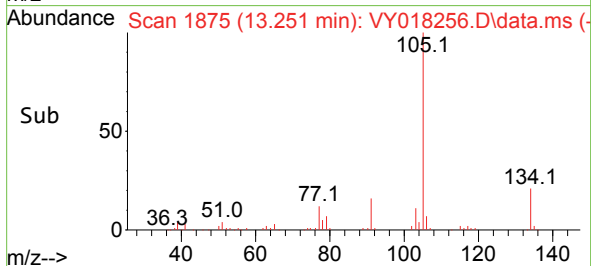
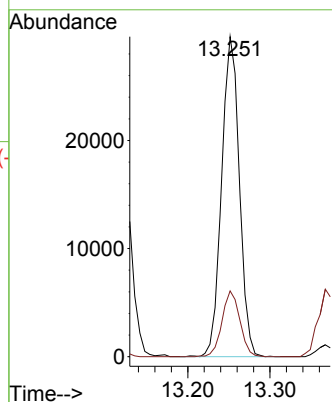
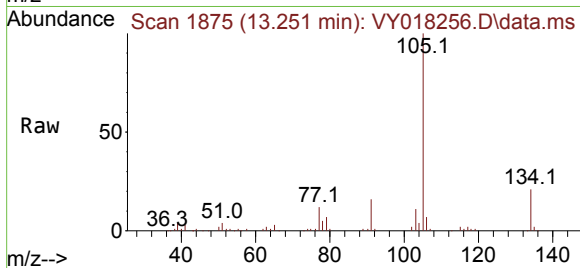
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:105 Resp: 44447

Ion Ratio Lower Upper

105 100

134 20.7 10.1 30.1



#86

p-Isopropyltoluene

Concen: 5.023 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

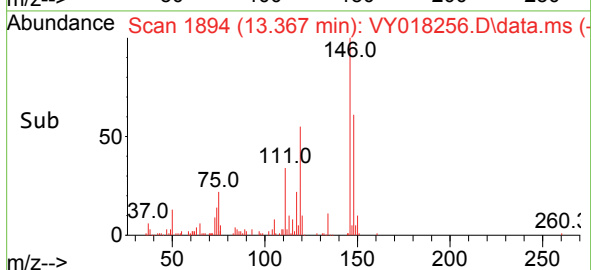
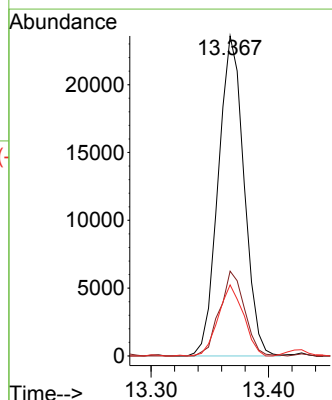
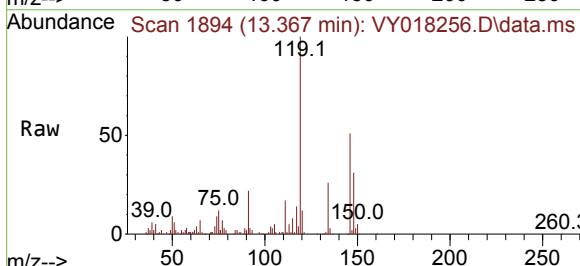
Tgt Ion:119 Resp: 35956

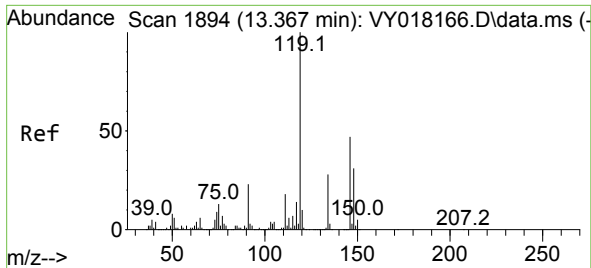
Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.3

91 21.8 10.7 32.1

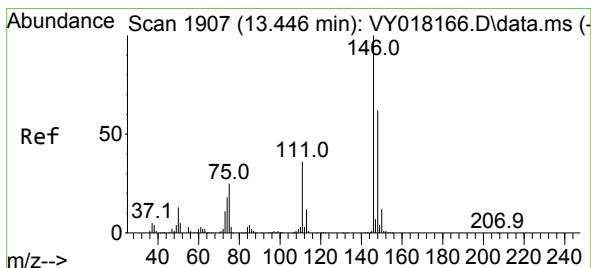
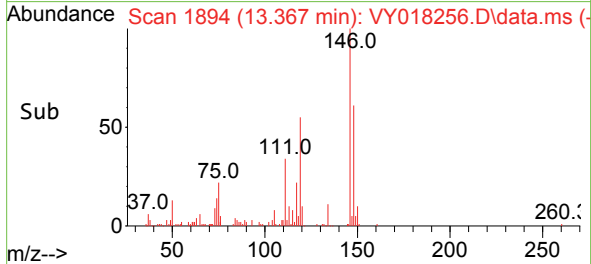
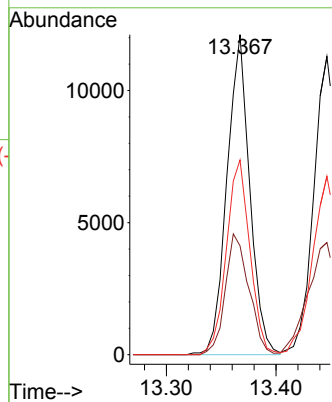
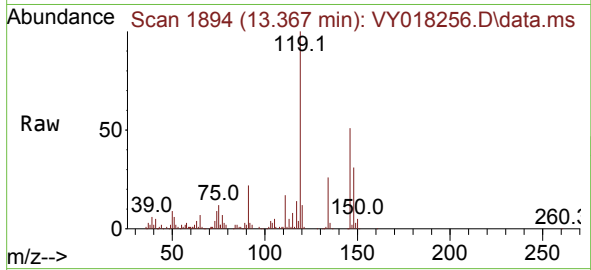




#87
 1,3-Dichlorobenzene
 Concen: 4.823 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY018256.D
 Acq: 14 May 2024 14:24

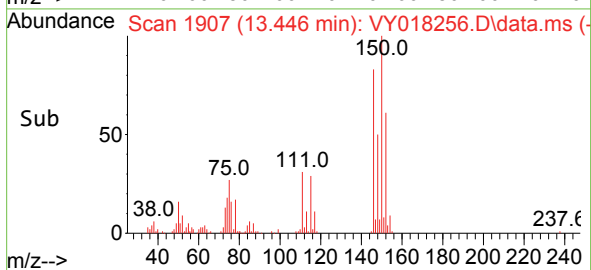
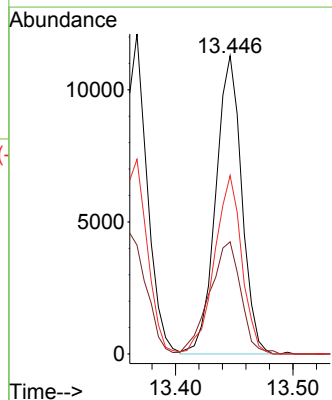
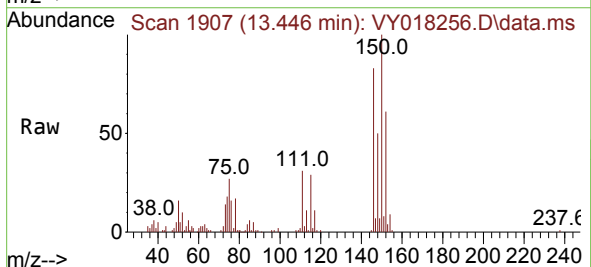
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

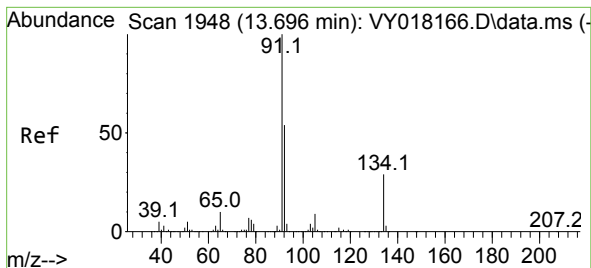
Tgt Ion:146 Resp: 17453
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.0 57.0
 148 63.0 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 4.915 ug/l
 RT: 13.446 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY018256.D
 Acq: 14 May 2024 14:24

Tgt Ion:146 Resp: 17337
 Ion Ratio Lower Upper
 146 100
 111 45.7 18.4 55.4
 148 63.0 32.4 97.2





#89

n-Butylbenzene

Concen: 4.936 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

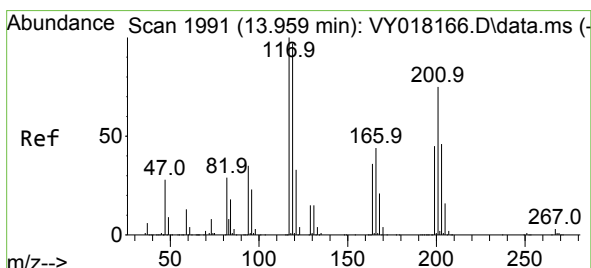
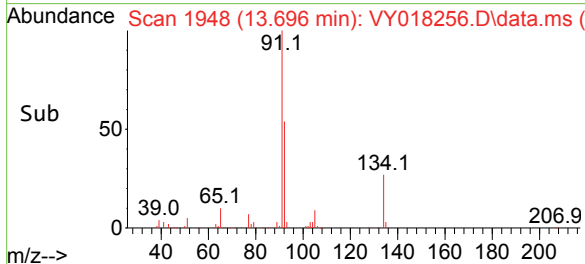
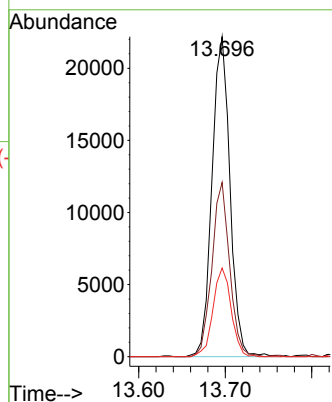
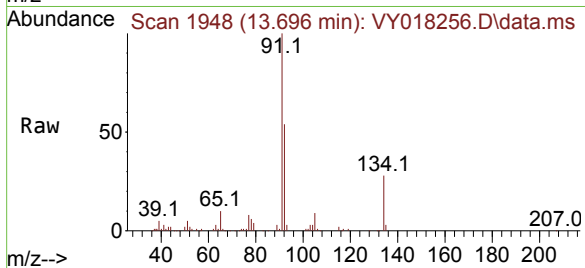
Tgt Ion: 91 Resp: 31978

Ion Ratio Lower Upper

91 100

92 53.8 26.6 79.7

134 28.0 12.9 38.7



#90

Hexachloroethane

Concen: 4.473 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY018256.D

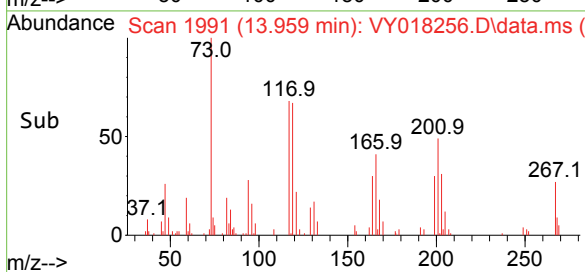
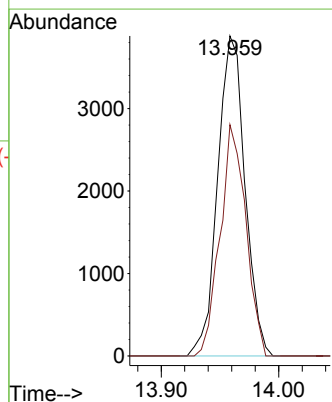
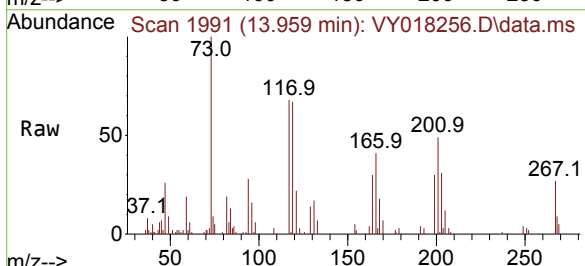
Acq: 14 May 2024 14:24

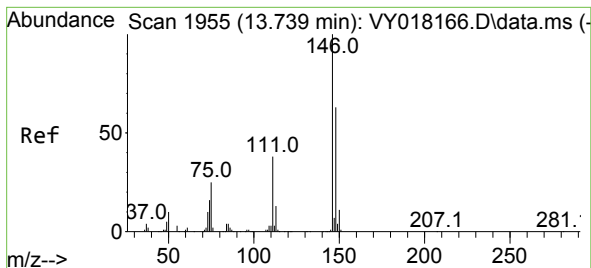
Tgt Ion: 117 Resp: 6282

Ion Ratio Lower Upper

117 100

201 68.1 37.4 112.2





#91

1,2-Dichlorobenzene

Concen: 4.794 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

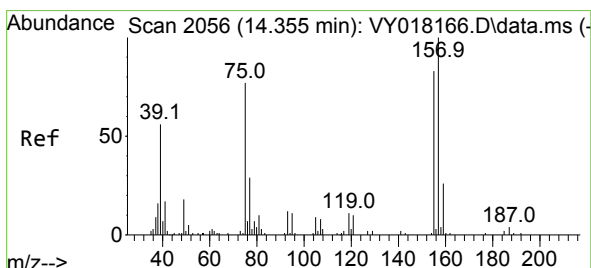
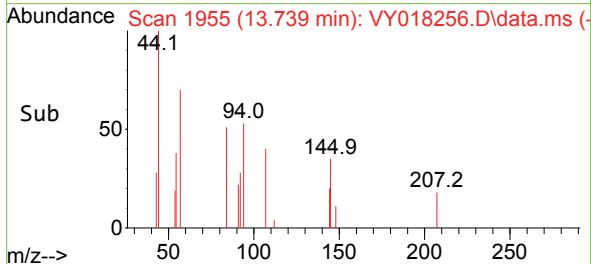
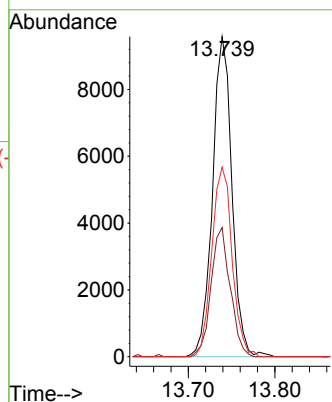
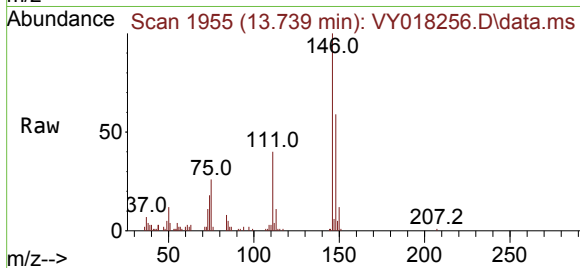
Tgt Ion:146 Resp: 14911

Ion Ratio Lower Upper

146 100

111 39.9 19.9 59.7

148 61.9 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.335 ug/l

RT: 14.349 min Scan# 2055

Delta R.T. -0.006 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

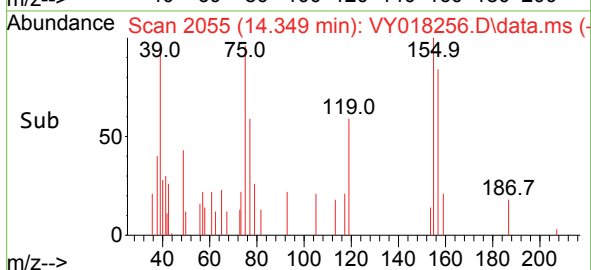
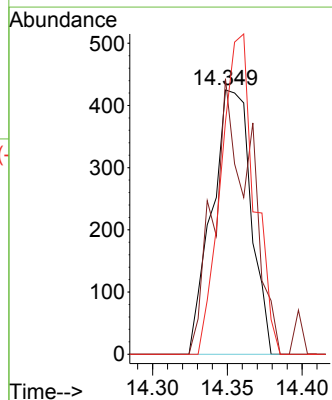
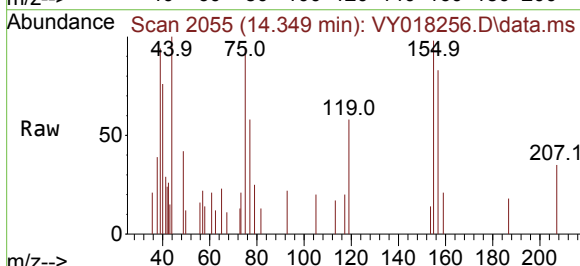
Tgt Ion: 75 Resp: 768

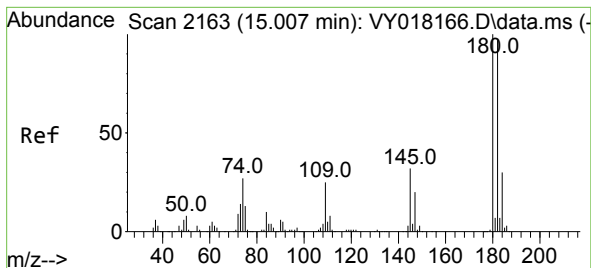
Ion Ratio Lower Upper

75 100

155 98.6 48.6 145.8

157 104.4 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 3.983 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

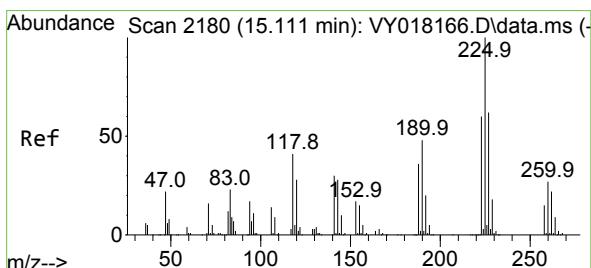
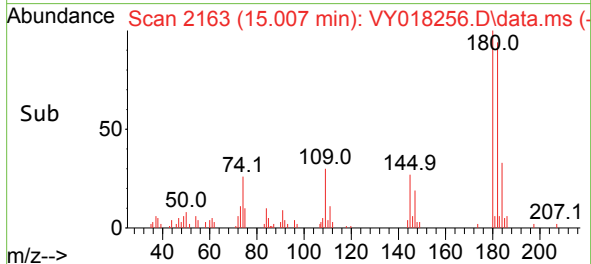
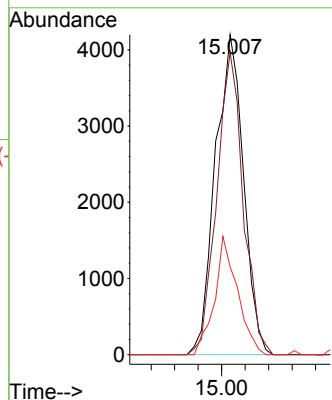
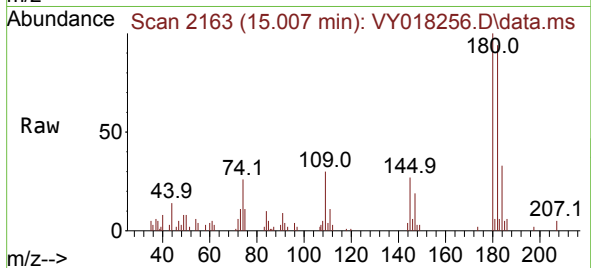
Tgt Ion:180 Resp: 6965

Ion Ratio Lower Upper

180 100

182 88.7 47.9 143.8

145 30.2 14.2 42.6



#94

Hexachlorobutadiene

Concen: 4.190 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

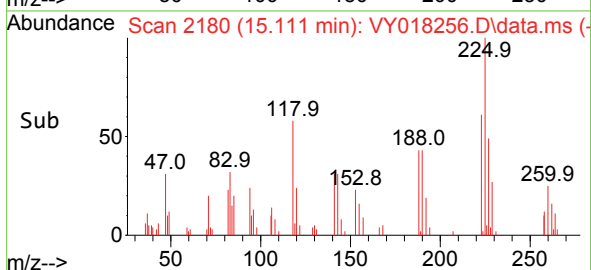
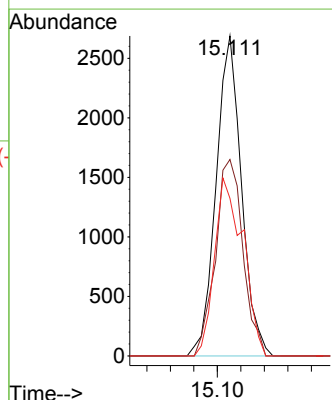
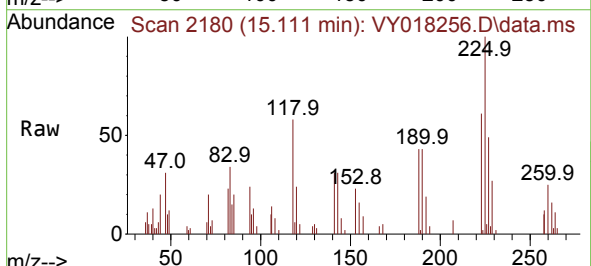
Tgt Ion:225 Resp: 4042

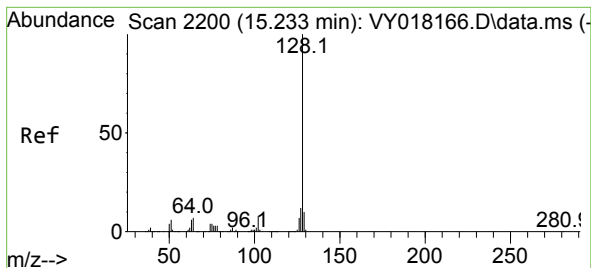
Ion Ratio Lower Upper

225 100

223 66.3 30.4 91.2

227 62.2 31.9 95.9





#95

Naphthalene

Concen: 3.437 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

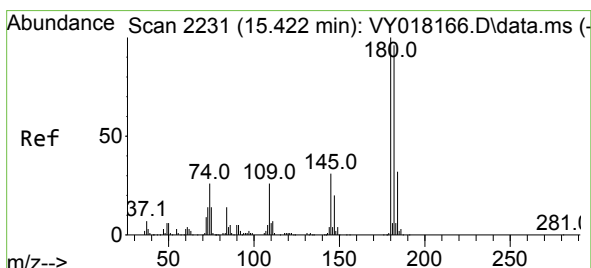
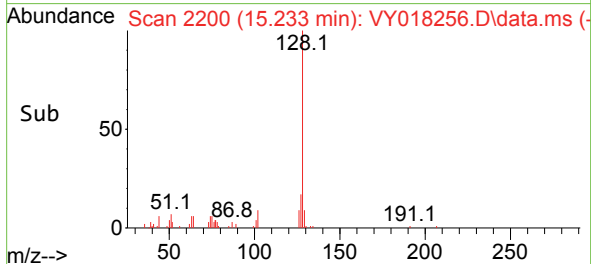
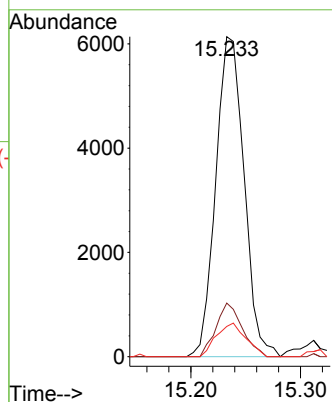
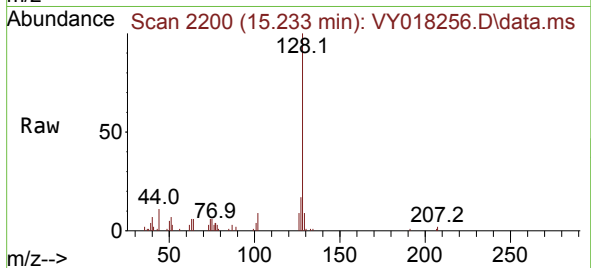
Tgt Ion:128 Resp: 11013

Ion Ratio Lower Upper

128 100

127 15.5 10.6 16.0

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 3.805 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY018256.D

Acq: 14 May 2024 14:24

Tgt Ion:180 Resp: 5460

Ion Ratio Lower Upper

180 100

182 96.4 47.6 142.9

145 36.2 15.4 46.1

