

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019537.D
 Acq On : 13 Sep 2024 13:40
 Operator : SY/MD
 Sample : P3390-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Quant Time: Sep 13 23:17:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 23:16:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	402094	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	718319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	602560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	277332	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	203725	54.716	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.440%	
35) Dibromofluoromethane	7.634	113	204058	50.103	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.200%	
50) Toluene-d8	10.103	98	741927	49.251	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.401	95	260557	44.984	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 89.960%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	9328	3.670	ug/l	99
3) Chloromethane	2.074	50	10263	3.085	ug/l	94
4) Vinyl Chloride	2.208	62	12204	3.393	ug/l	91
5) Bromomethane	2.598	94	9480	4.290	ug/l	95
6) Chloroethane	2.732	64	9478	4.030	ug/l	94
7) Trichlorofluoromethane	3.055	101	24386	4.067	ug/l	95
8) Diethyl Ether	3.458	74	7945	3.947	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.811	101	15776	4.253	ug/l	93
10) Methyl Iodide	4.007	142	14775	3.107	ug/l	91
11) Tert butyl alcohol	4.860	59	7825	26.024	ug/l	# 63
12) 1,1-Dichloroethene	3.787	96	12645	3.545	ug/l	98
13) Acrolein	3.653	56	8338	51.713	ug/l	96
14) Allyl chloride	4.372	41	22780	3.561	ug/l	# 92
15) Acrylonitrile	5.049	53	21639	24.932	ug/l	96
16) Acetone	3.872	43	16735	18.866	ug/l	# 86
17) Carbon Disulfide	4.104	76	15317	1.589	ug/l	96
18) Methyl Acetate	4.385	43	15115	6.279	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	46623	4.614	ug/l	93
20) Methylene Chloride	4.610	84	19992	4.942	ug/l	# 85
21) trans-1,2-Dichloroethene	5.110	96	13688	3.501	ug/l	88
22) Diisopropyl ether	6.018	45	59024	4.493	ug/l	94
23) Vinyl Acetate	5.951	43	193904	25.840	ug/l	93
24) 1,1-Dichloroethane	5.909	63	31827	4.317	ug/l	98
25) 2-Butanone	6.890	43	26323	20.865	ug/l	95
26) 2,2-Dichloropropane	6.884	77	28897	4.346	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	20255	4.264	ug/l	87
28) Bromochloromethane	7.244	49	13484	4.347	ug/l	83
29) Tetrahydrofuran	7.262	42	17097	22.289	ug/l	86
30) Chloroform	7.421	83	36464	4.845	ug/l	98
31) Cyclohexane	7.701	56	26770	4.017	ug/l	# 80
32) 1,1,1-Trichloroethane	7.616	97	29783	4.415	ug/l	98
36) 1,1-Dichloropropene	7.835	75	20264	3.657	ug/l	96
37) Ethyl Acetate	6.976	43	12210	4.300	ug/l	# 96
38) Carbon Tetrachloride	7.817	117	24648	3.944	ug/l	97
39) Methylcyclohexane	9.103	83	20933	2.838	ug/l	# 83
40) Benzene	8.079	78	66744	3.910	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	7080	4.277	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	20525	4.469	ug/l	98
43) Isopropyl Acetate	8.195	43	25076	4.203	ug/l #	79
44) Trichloroethene	8.865	130	16864	3.842	ug/l	90
45) 1,2-Dichloropropane	9.140	63	18193	4.360	ug/l	99
46) Dibromomethane	9.225	93	9813	4.300	ug/l	92
47) Bromodichloromethane	9.420	83	27755	4.525	ug/l #	91
48) Methyl methacrylate	9.225	41	11577	4.110	ug/l	85
49) 1,4-Dioxane	9.237	88	2326	86.584	ug/l #	73
51) 4-Methyl-2-Pentanone	9.999	43	65874	21.949	ug/l	90
52) Toluene	10.170	92	42848	3.903	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	23418	4.005	ug/l #	85
54) cis-1,3-Dichloropropene	9.853	75	27773	4.079	ug/l #	89
55) 1,1,2-Trichloroethane	10.572	97	14218	4.512	ug/l	96
56) Ethyl methacrylate	10.438	69	20004	4.179	ug/l #	84
57) 1,3-Dichloropropane	10.719	76	23907	4.413	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	45390	20.429	ug/l	97
59) 2-Hexanone	10.761	43	42685	19.400	ug/l	90
60) Dibromochloromethane	10.914	129	18782	4.506	ug/l	98
61) 1,2-Dibromoethane	11.011	107	12444	4.238	ug/l	98
64) Tetrachloroethene	10.646	164	14697	3.939	ug/l	91
65) Chlorobenzene	11.444	112	51936	4.382	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	18662	4.547	ug/l	98
67) Ethyl Benzene	11.517	91	88774	4.215	ug/l	99
68) m/p-Xylenes	11.627	106	64536	8.104	ug/l	91
69) o-Xylene	11.950	106	33101	4.250	ug/l	91
70) Styrene	11.969	104	56506	4.297	ug/l	95
71) Bromoform	12.127	173	10307	4.397	ug/l #	97
73) Isopropylbenzene	12.255	105	87825	4.365	ug/l	99
74) N-amyl acetate	12.066	43	22525	4.117	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.505	83	17193	4.814	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	21712	8.353	ug/l #	100
77) Bromobenzene	12.529	156	19458	4.361	ug/l	88
78) n-propylbenzene	12.596	91	103529	4.341	ug/l	99
79) 2-Chlorotoluene	12.676	91	61868	4.452	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	70499	4.310	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	5519	4.076	ug/l #	86
82) 4-Chlorotoluene	12.779	91	61877	4.331	ug/l	98
83) tert-Butylbenzene	12.999	119	68018	4.594	ug/l	97
84) 1,2,4-Trimethylbenzene	13.041	105	71360	4.407	ug/l	97
85) sec-Butylbenzene	13.176	105	95026	4.418	ug/l	99
86) p-Isopropyltoluene	13.291	119	75344	4.281	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	39282	4.530	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	39089	4.543	ug/l	93
89) n-Butylbenzene	13.615	91	72990	4.338	ug/l	100
90) Hexachloroethane	13.877	117	16459	4.495	ug/l	89
91) 1,2-Dichlorobenzene	13.657	146	35620	4.604	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2468	4.147	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	19316	4.105	ug/l	95
94) Hexachlorobutadiene	15.023	225	10335	4.111	ug/l	98
95) Naphthalene	15.139	128	37713	4.002	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	16867	4.190	ug/l	97

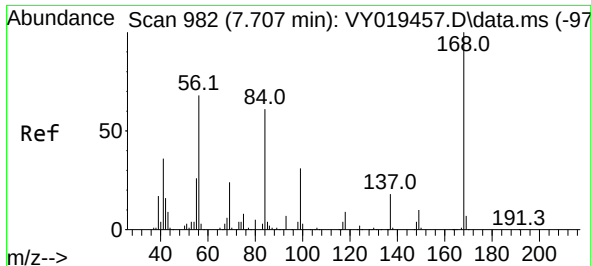
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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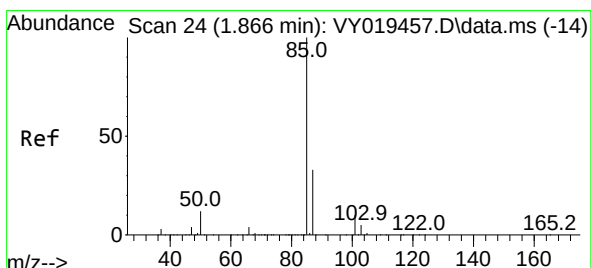
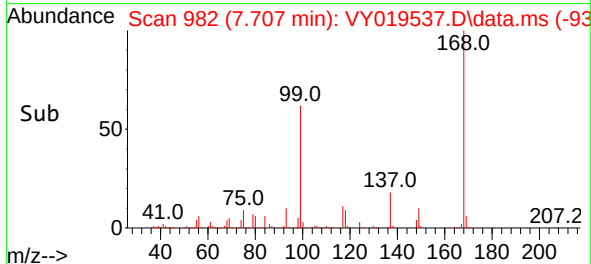
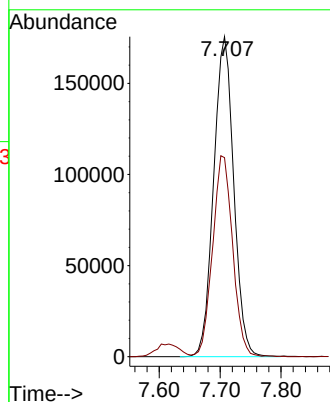
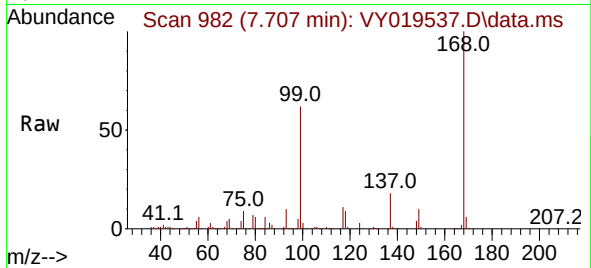
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

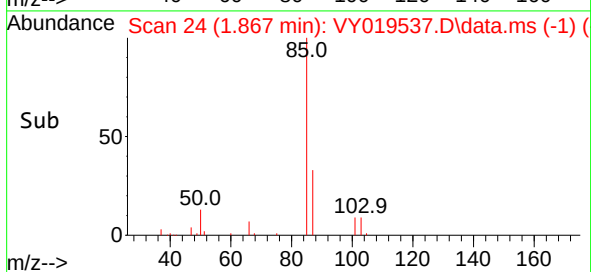
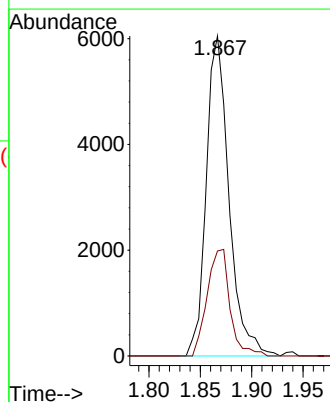
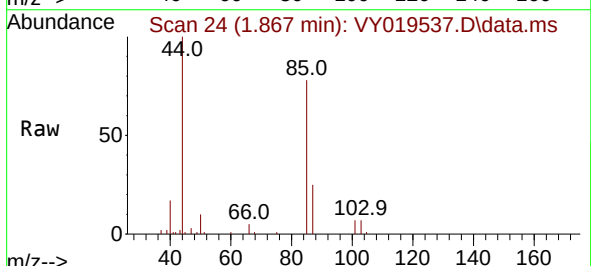
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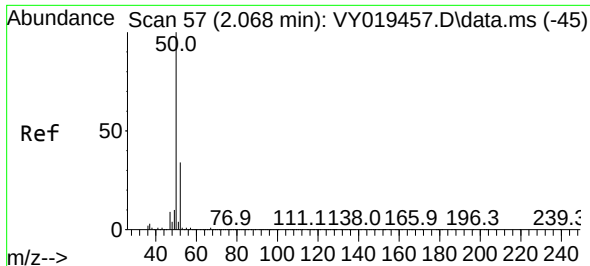
Tgt Ion:168 Resp: 402094
Ion Ratio Lower Upper
168 100
99 62.1 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: 3.670 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 85 Resp: 9328
Ion Ratio Lower Upper
85 100
87 32.8 16.0 48.0

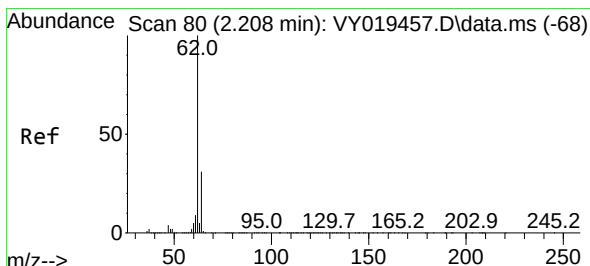
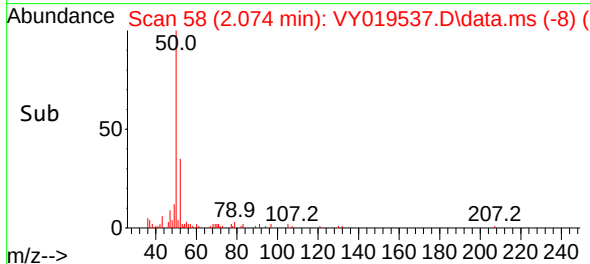
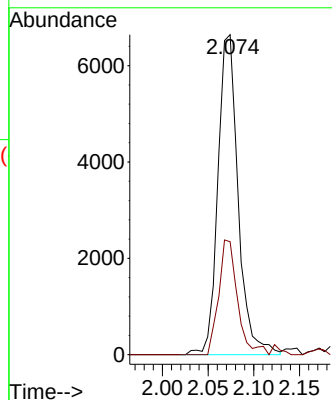
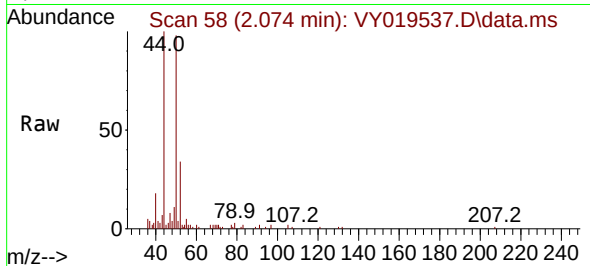




#3
Chloromethane
Concen: 3.085 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

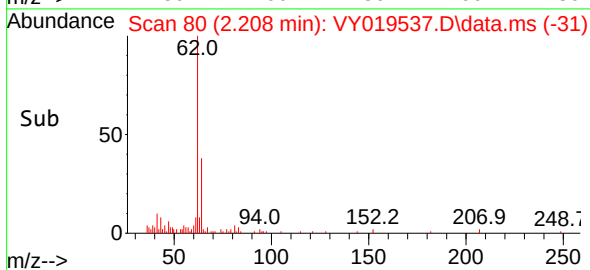
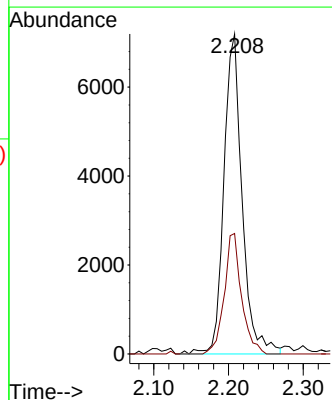
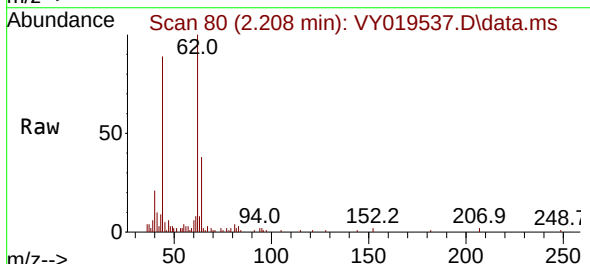
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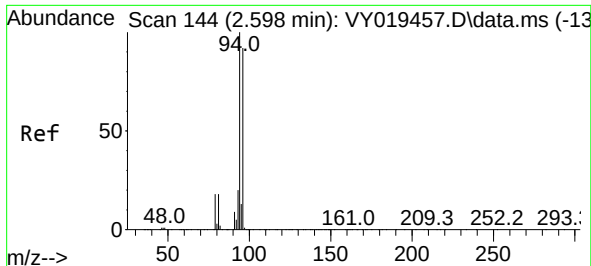
Tgt Ion: 50 Resp: 10263
Ion Ratio Lower Upper
50 100
52 35.3 25.6 38.4



#4
Vinyl Chloride
Concen: 3.393 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 62 Resp: 12204
Ion Ratio Lower Upper
62 100
64 37.7 26.1 39.1

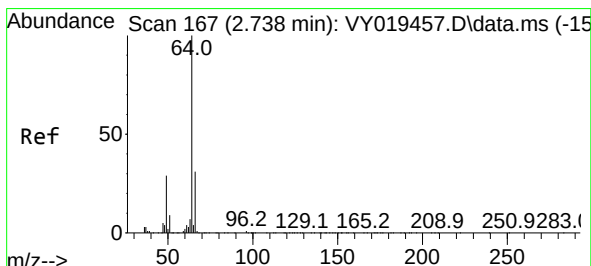
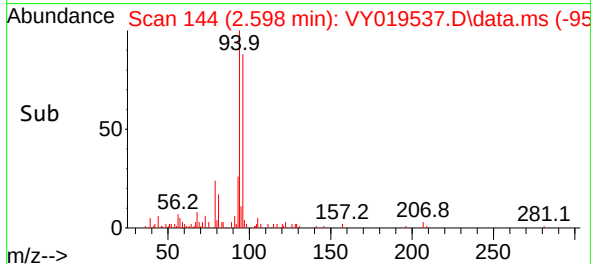
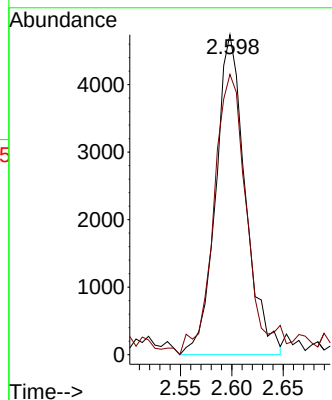
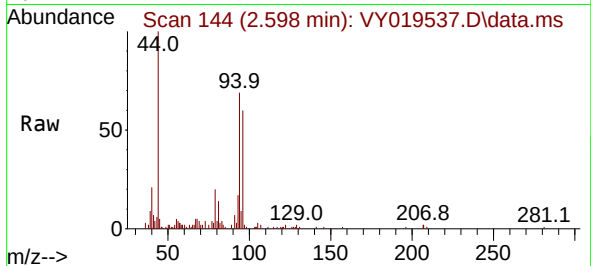




#5
Bromomethane
Concen: 4.290 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

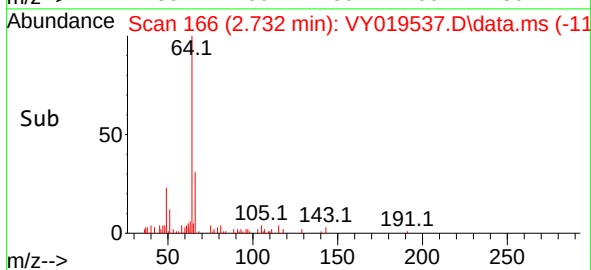
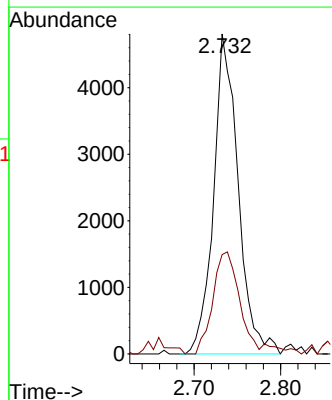
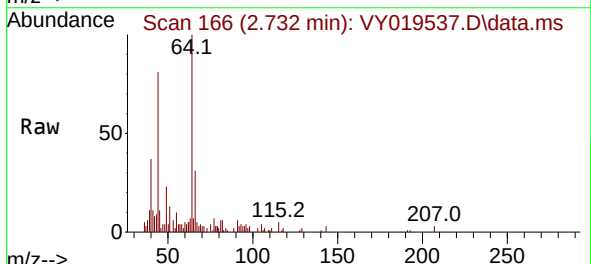
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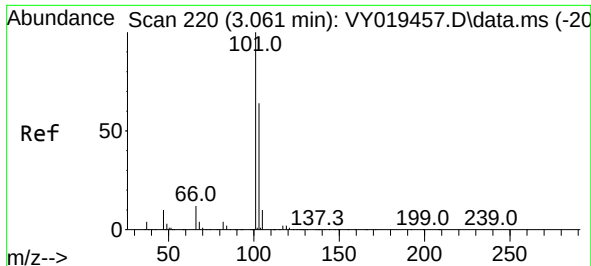
Tgt Ion: 94 Resp: 9480
Ion Ratio Lower Upper
94 100
96 87.6 74.1 111.1



#6
Chloroethane
Concen: 4.030 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 64 Resp: 9478
Ion Ratio Lower Upper
64 100
66 29.3 26.1 39.1





#7

Trichlorofluoromethane

Concen: 4.067 ug/l

RT: 3.055 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

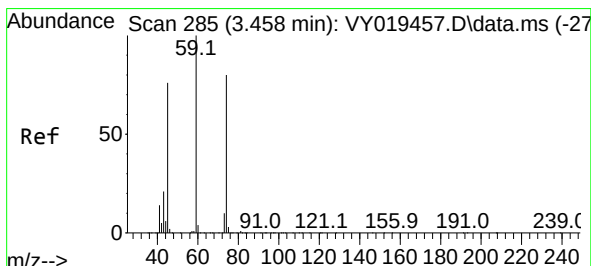
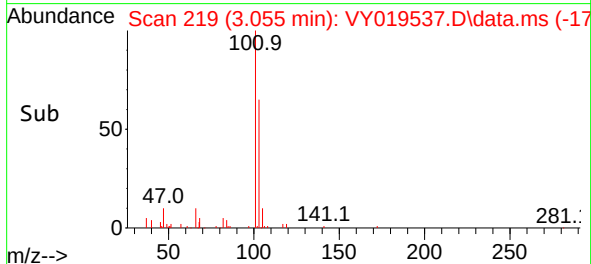
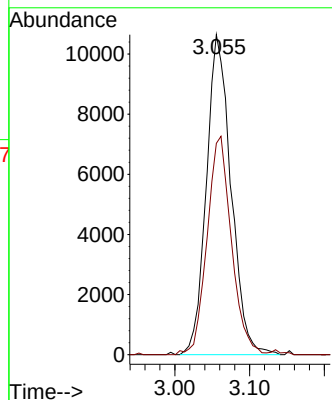
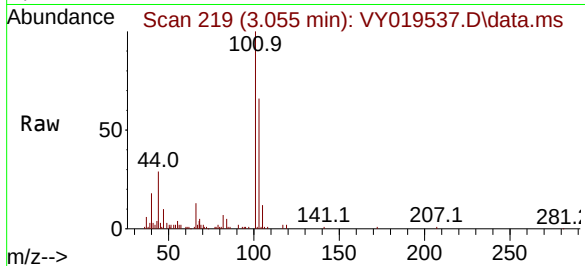
MDL-SOIL-03-QT3-2024

Tgt Ion:101 Resp: 24386

Ion Ratio Lower Upper

101 100

103 65.5 49.3 73.9



#8

Diethyl Ether

Concen: 3.947 ug/l

RT: 3.458 min Scan# 285

Delta R.T. 0.000 min

Lab File: VY019537.D

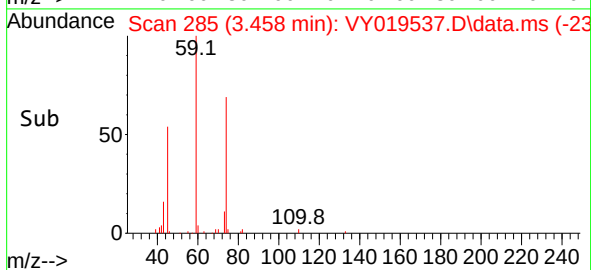
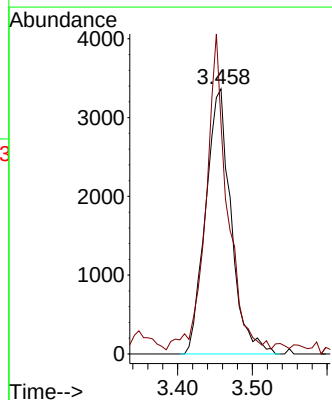
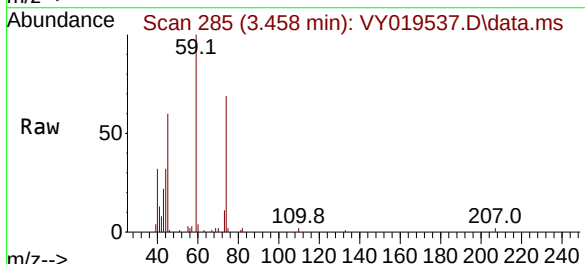
Acq: 13 Sep 2024 13:40

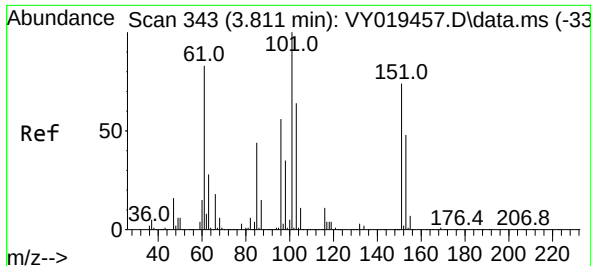
Tgt Ion: 74 Resp: 7945

Ion Ratio Lower Upper

74 100

45 100.7 41.3 124.1

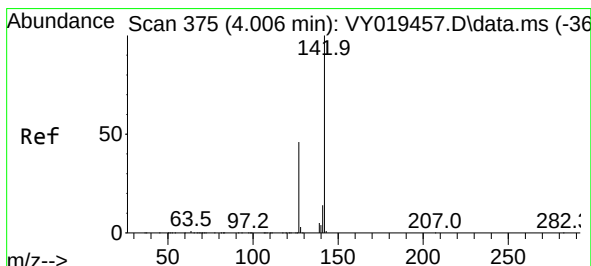
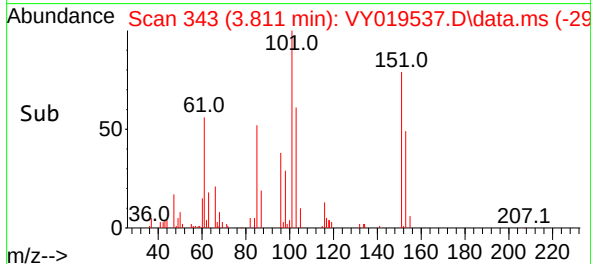
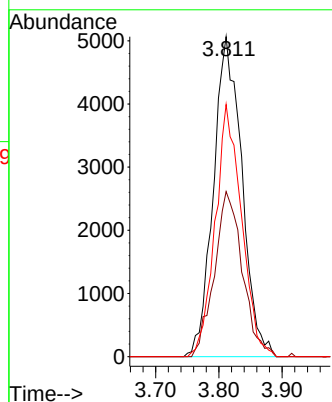
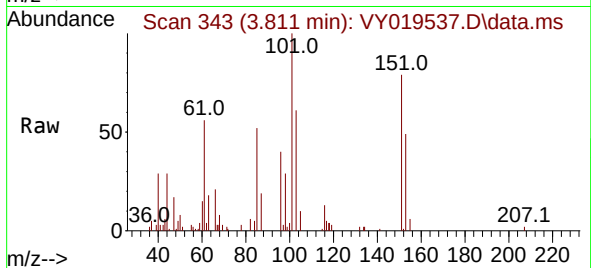




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.253 ug/l
RT: 3.811 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY019537.D
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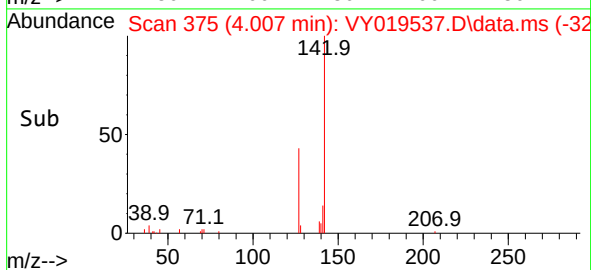
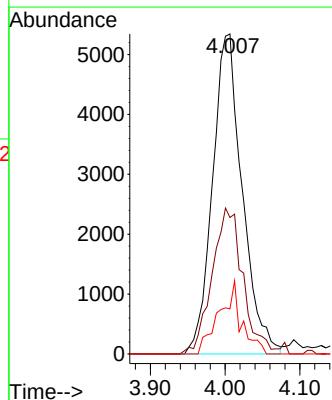
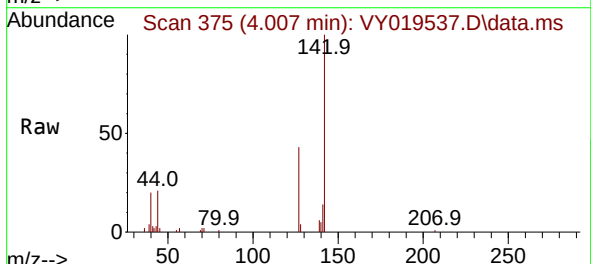
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

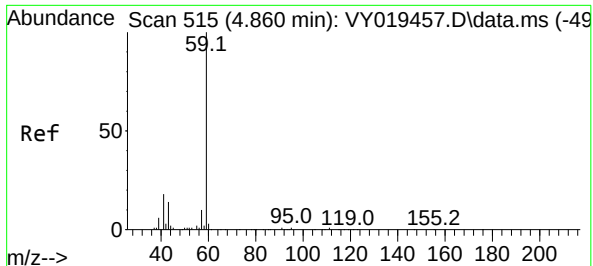
Tgt Ion:101 Resp: 15776
Ion Ratio Lower Upper
101 100
85 50.9 34.5 51.7
151 73.1 61.7 92.5



#10
Methyl Iodide
Concen: 3.107 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion:142 Resp: 14775
Ion Ratio Lower Upper
142 100
127 47.3 32.8 49.2
141 17.0 11.4 17.2

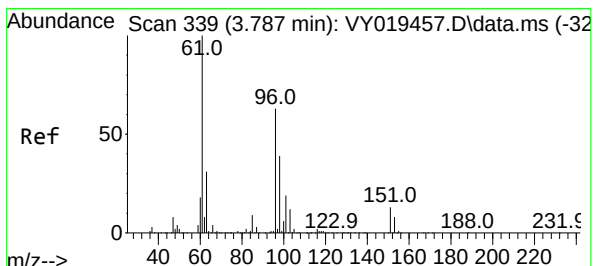
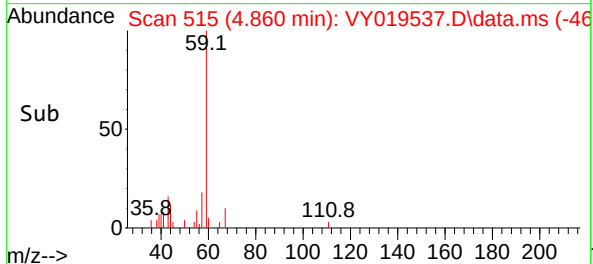
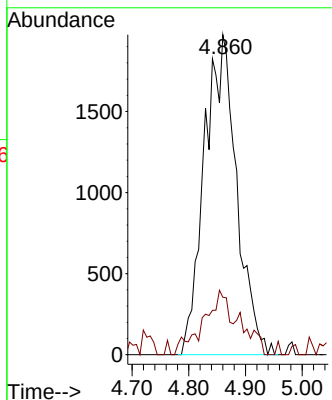
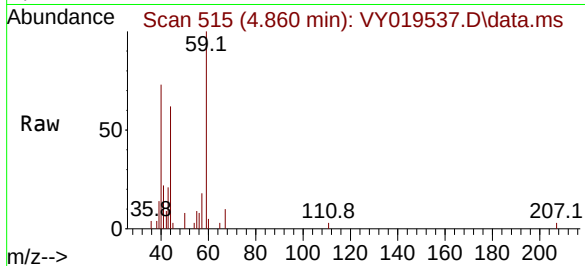




#11
Tert butyl alcohol
Concen: 26.024 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

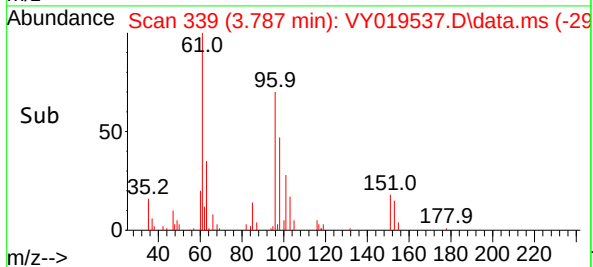
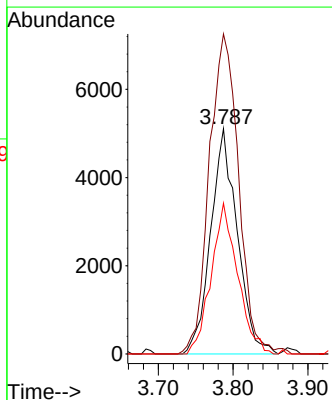
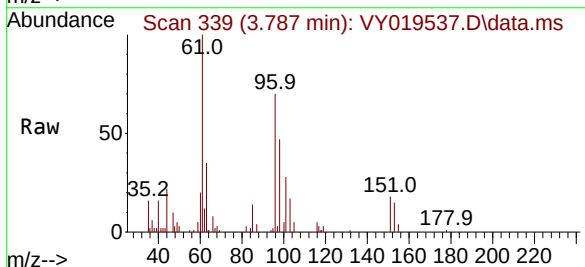
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

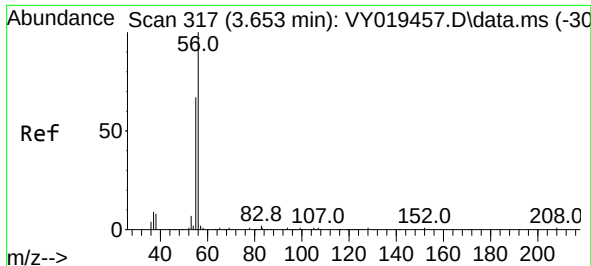
Tgt Ion: 59 Resp: 7825
Ion Ratio Lower Upper
59 100
57 16.1 3.0 4.6#



#12
1,1-Dichloroethene
Concen: 3.545 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 96 Resp: 12645
Ion Ratio Lower Upper
96 100
61 142.0 114.6 171.8
98 66.9 50.8 76.2





#13

Acrolein

Concen: 51.713 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

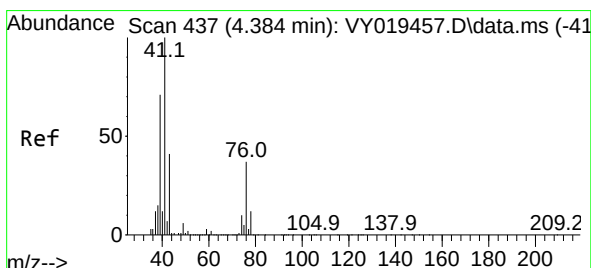
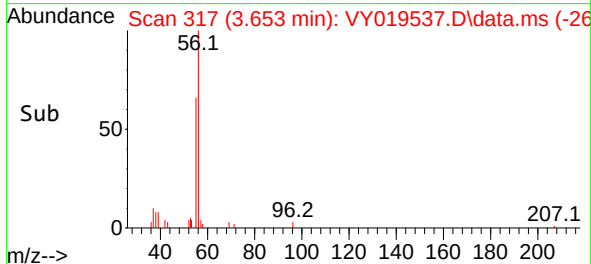
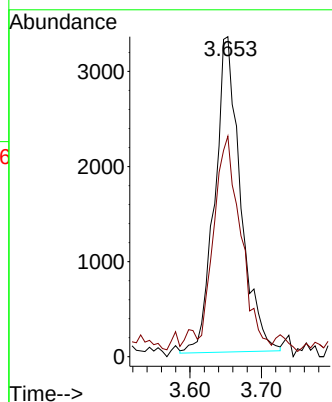
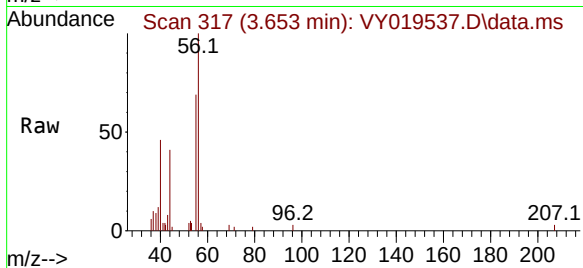
MDL-SOIL-03-QT3-2024

Tgt Ion: 56 Resp: 8338

Ion Ratio Lower Upper

56 100

55 72.5 55.7 83.5



#14

Allyl chloride

Concen: 3.561 ug/l

RT: 4.372 min Scan# 435

Delta R.T. -0.012 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

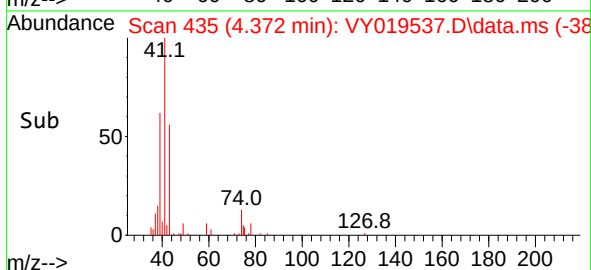
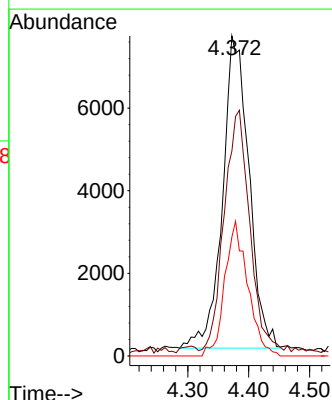
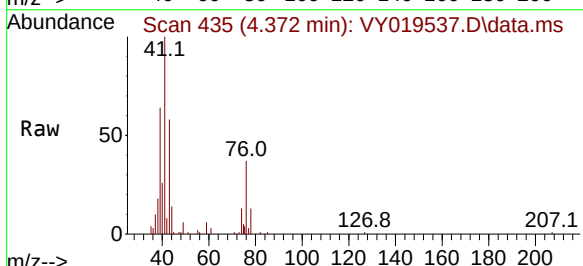
Tgt Ion: 41 Resp: 22780

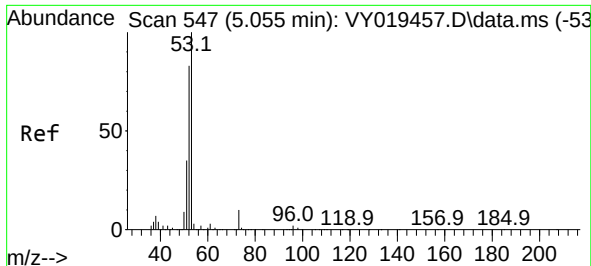
Ion Ratio Lower Upper

41 100

39 74.1 58.3 87.5

76 37.5 39.0 58.6#

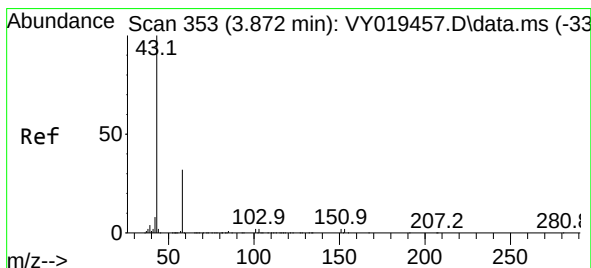
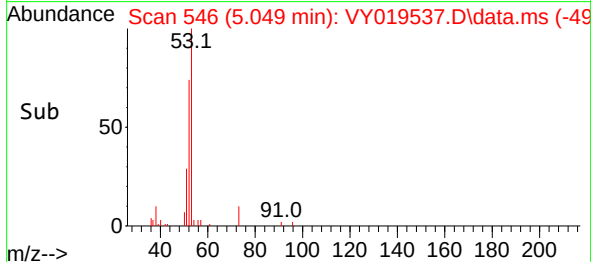
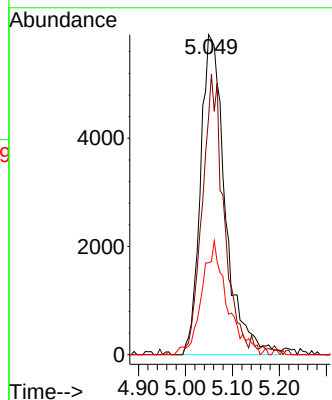
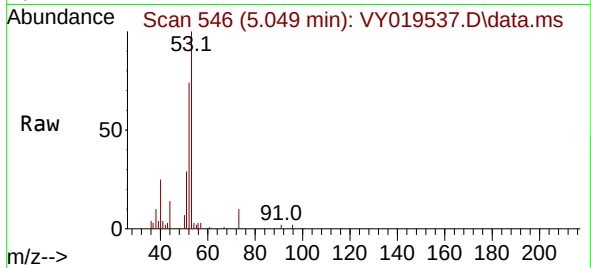




#15
Acrylonitrile
Concen: 24.932 ug/l
RT: 5.049 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

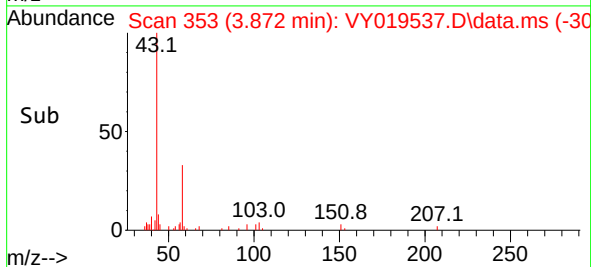
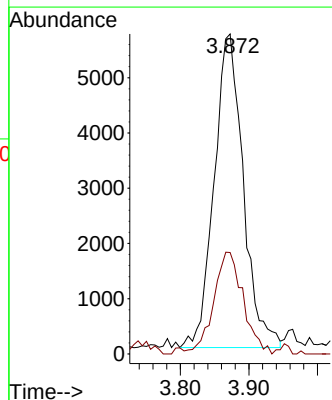
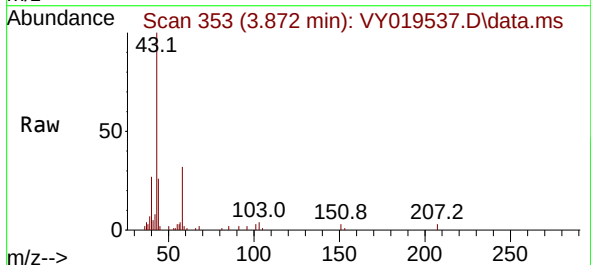
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

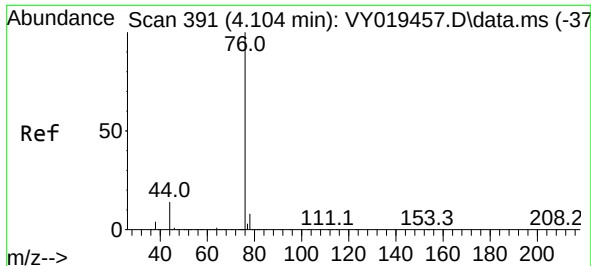
Tgt Ion: 53	Resp: 21639
Ion Ratio	Lower Upper
53 100	
52 76.2	64.7 97.1
51 36.5	28.4 42.6



#16
Acetone
Concen: 18.866 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 43	Resp: 16735
Ion Ratio	Lower Upper
43 100	
58 31.0	31.7 47.5#

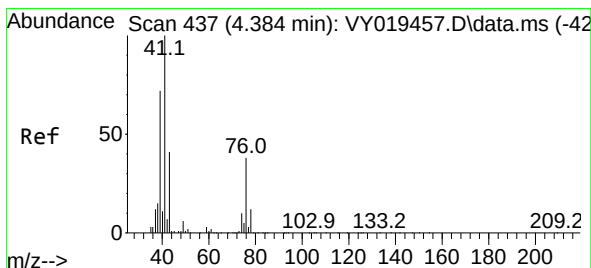
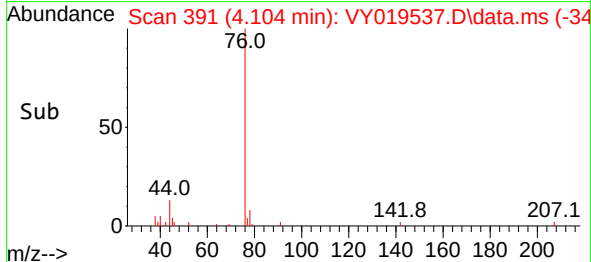
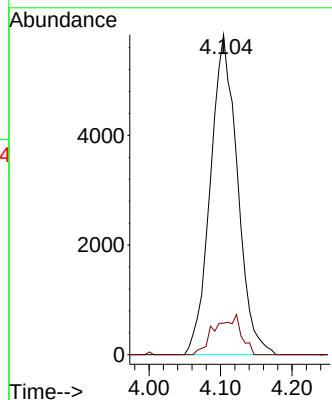
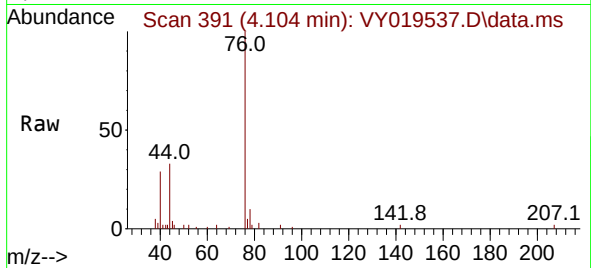




#17
Carbon Disulfide
Concen: 1.589 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

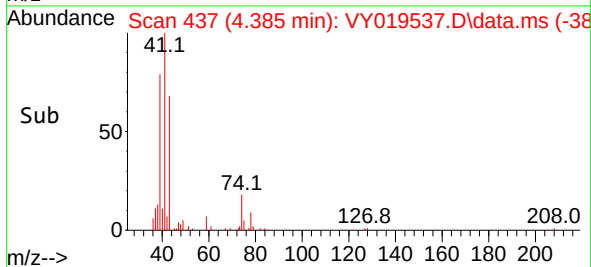
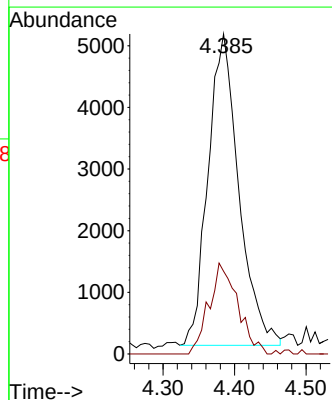
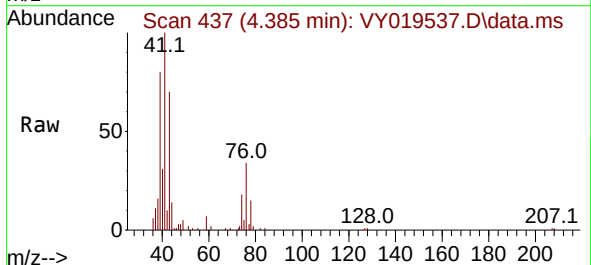
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

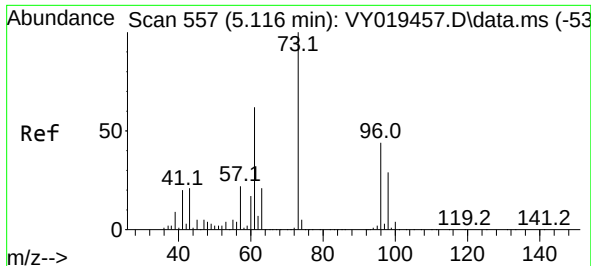
Tgt Ion: 76 Resp: 15317
Ion Ratio Lower Upper
76 100
78 9.8 6.8 10.2



#18
Methyl Acetate
Concen: 6.279 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 43 Resp: 15115
Ion Ratio Lower Upper
43 100
74 27.2 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 4.614 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

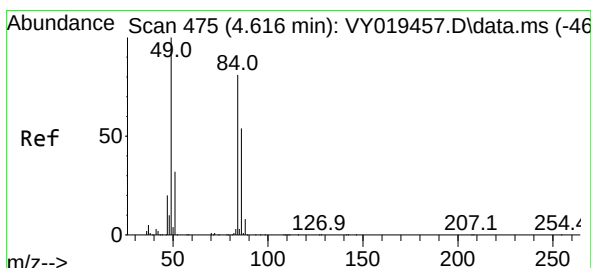
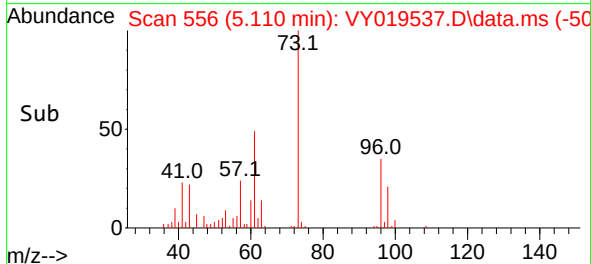
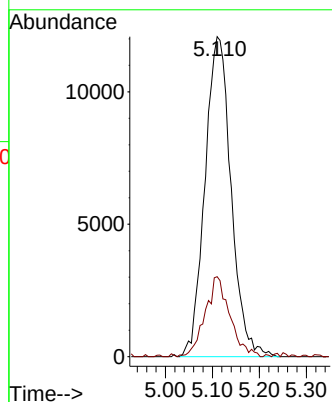
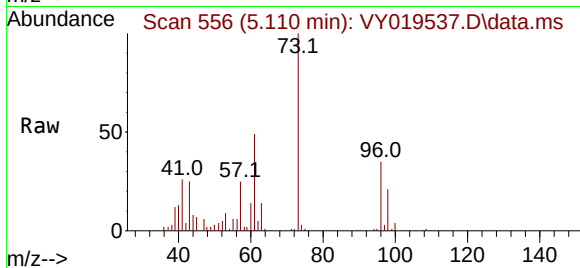
MDL-SOIL-03-QT3-2024

Tgt Ion: 73 Resp: 46623

Ion Ratio Lower Upper

73 100

57 25.0 17.3 25.9



#20

Methylene Chloride

Concen: 4.942 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Tgt Ion: 84 Resp: 19992

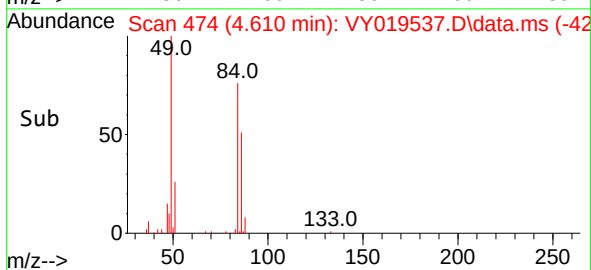
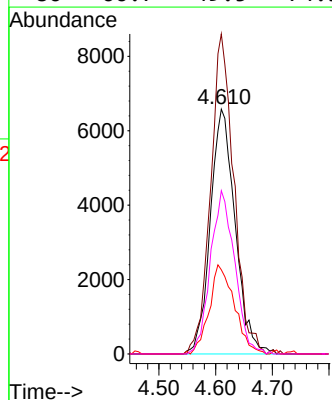
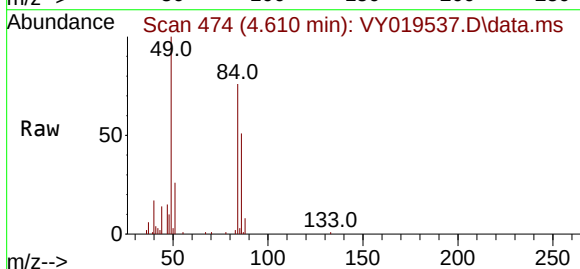
Ion Ratio Lower Upper

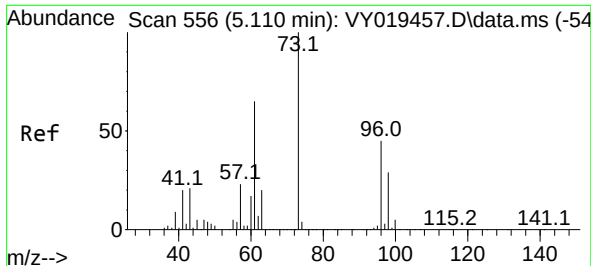
84 100

49 130.8 84.4 126.6

51 34.4 26.0 39.0

86 66.7 49.5 74.3

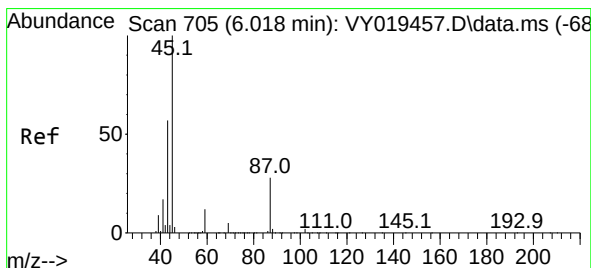
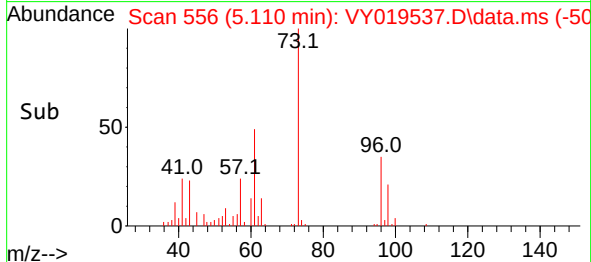
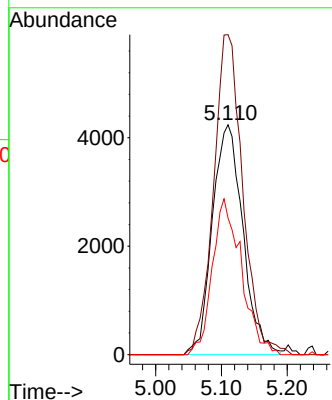
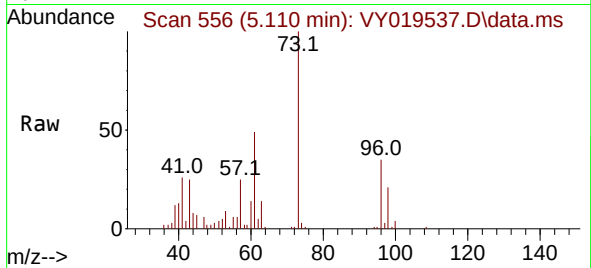




#21
trans-1,2-Dichloroethene
Concen: 3.501 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

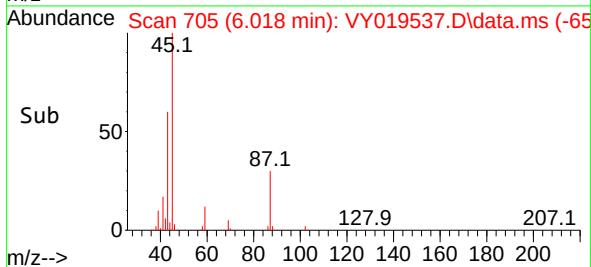
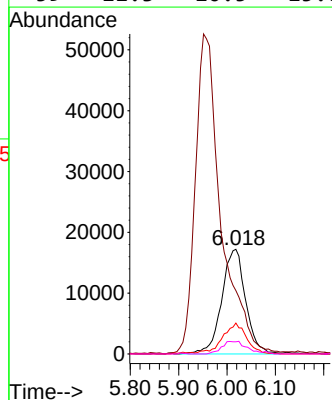
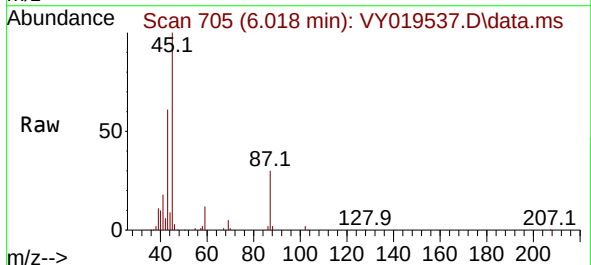
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

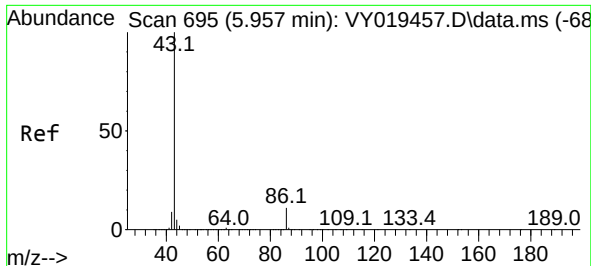
Tgt Ion: 96 Resp: 13688
Ion Ratio Lower Upper
96 100
61 139.2 97.5 146.3
98 59.4 50.5 75.7



#22
Diisopropyl ether
Concen: 4.493 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 45 Resp: 59024
Ion Ratio Lower Upper
45 100
43 58.7 42.2 63.2
87 29.6 25.0 37.6
59 11.3 10.5 15.7

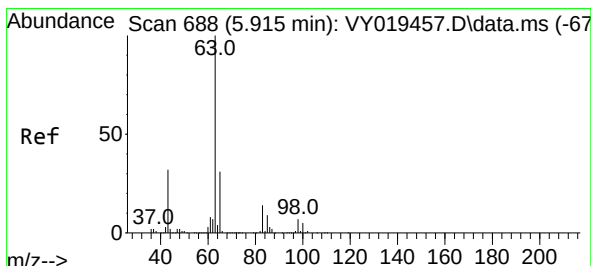
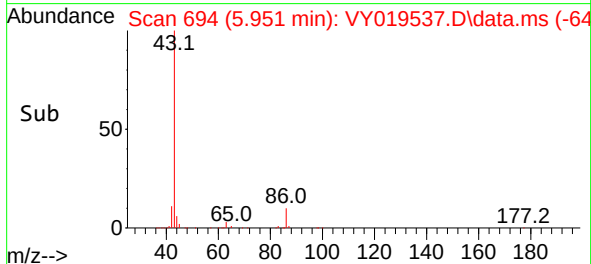
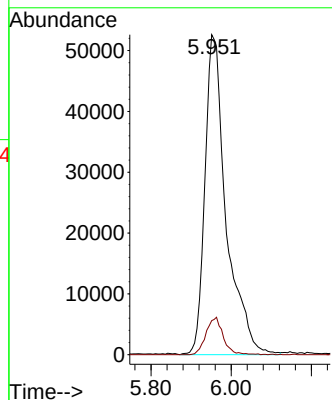
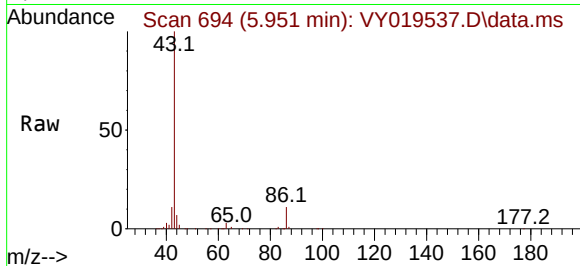




#23
 Vinyl Acetate
 Concen: 25.840 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. -0.006 min
 Lab File: VY019537.D
 Acq: 13 Sep 2024 13:40

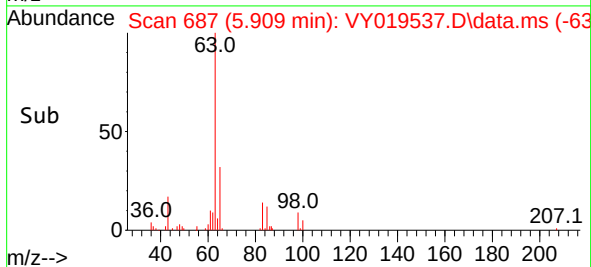
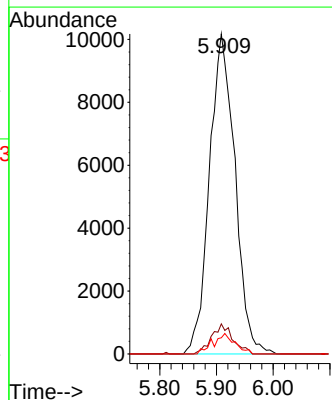
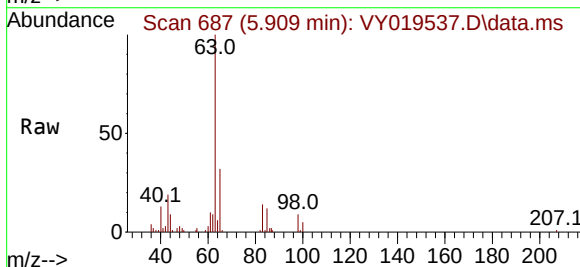
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT3-2024

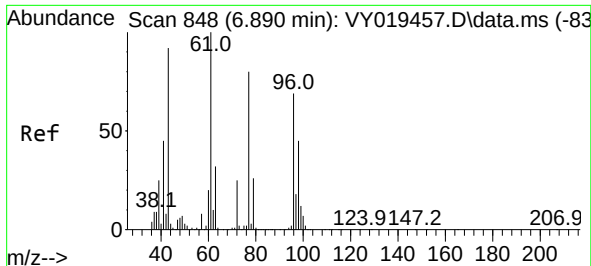
Tgt Ion: 43 Resp: 193904
 Ion Ratio Lower Upper
 43 100
 86 10.6 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 4.317 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. -0.006 min
 Lab File: VY019537.D
 Acq: 13 Sep 2024 13:40

Tgt Ion: 63 Resp: 31827
 Ion Ratio Lower Upper
 63 100
 98 9.4 4.0 12.2
 100 5.1 2.6 8.0





#25

2-Butanone

Concen: 20.865 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

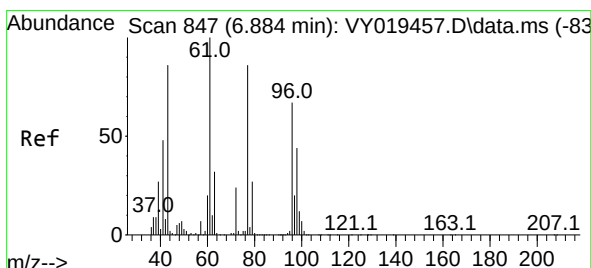
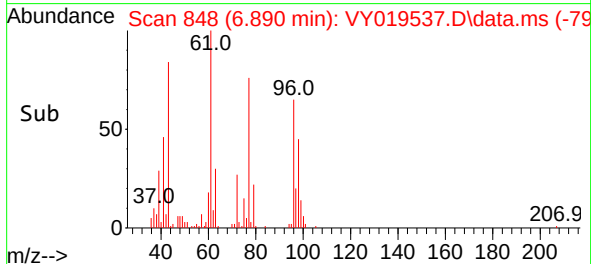
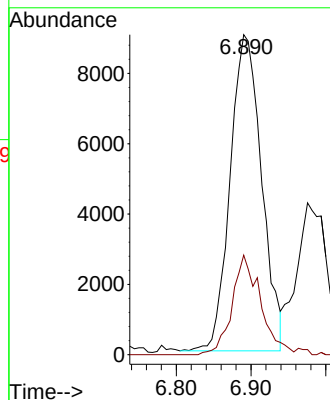
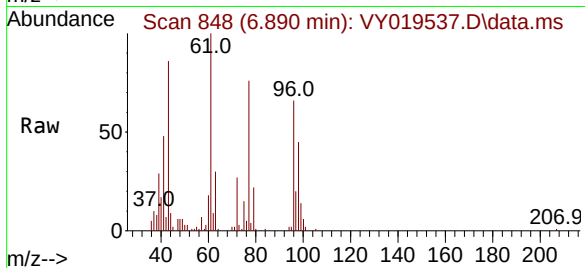
MDL-SOIL-03-QT3-2024

Tgt Ion: 43 Resp: 26323

Ion Ratio Lower Upper

43 100

72 31.5 27.3 40.9



#26

2,2-Dichloropropane

Concen: 4.346 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019537.D

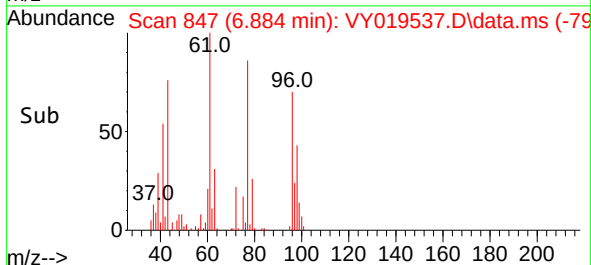
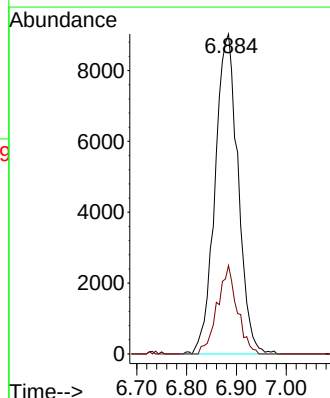
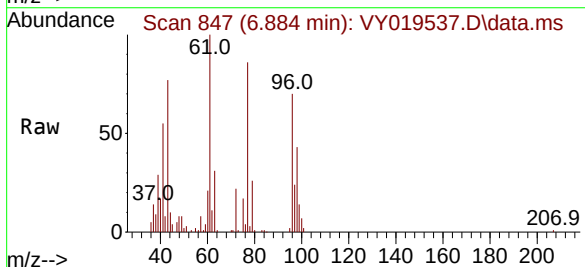
Acq: 13 Sep 2024 13:40

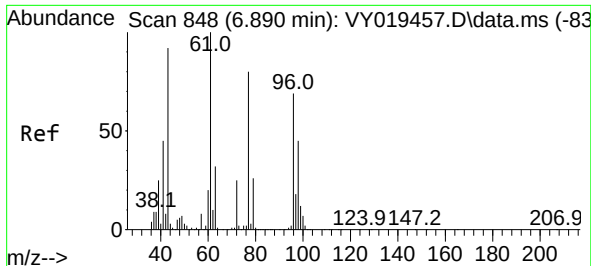
Tgt Ion: 77 Resp: 28897

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.1

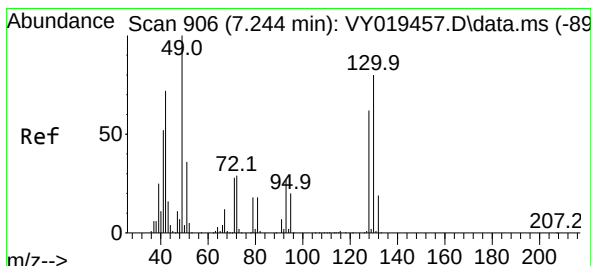
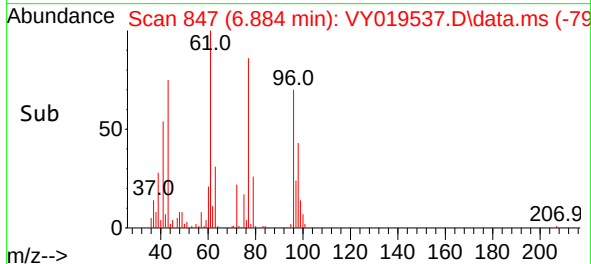
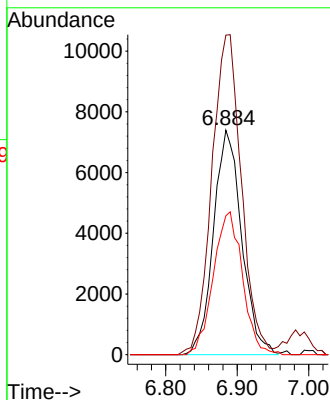
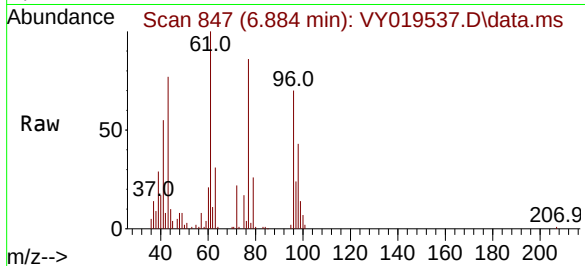




#27
 cis-1,2-Dichloroethene
 Concen: 4.264 ug/l
 RT: 6.884 min Scan# 848
 Delta R.T. -0.006 min
 Lab File: VY019537.D
 Acq: 13 Sep 2024 13:40

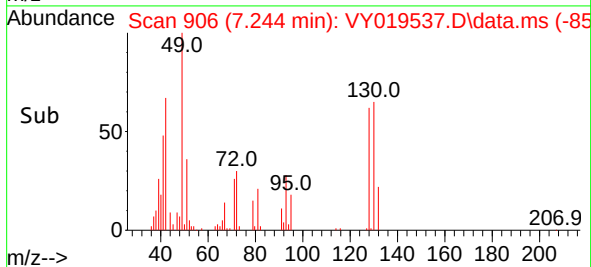
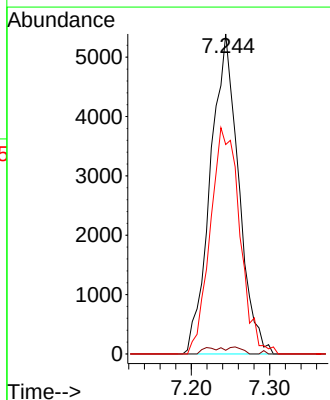
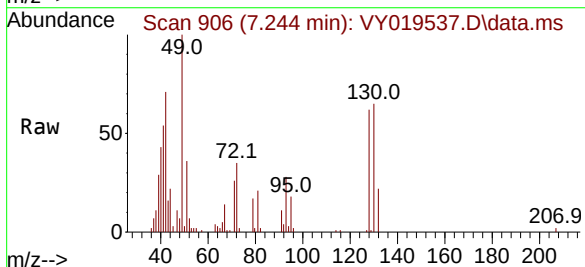
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

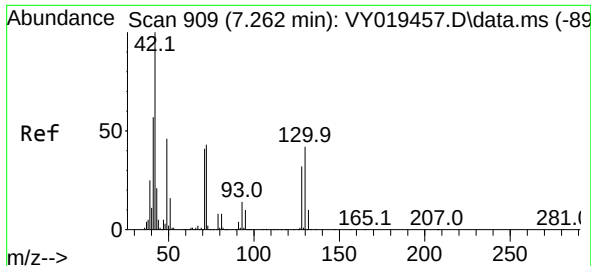
Tgt Ion:	96	Resp:	20255
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	256.2
98	65.7	0.0	130.0



#28
 Bromochloromethane
 Concen: 4.347 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY019537.D
 Acq: 13 Sep 2024 13:40

Tgt Ion:	49	Resp:	13484
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	74.2	72.7	109.1





#29

Tetrahydrofuran

Concen: 22.289 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

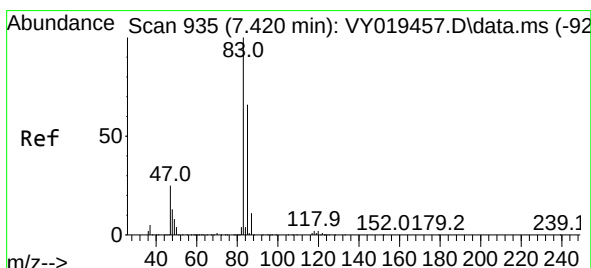
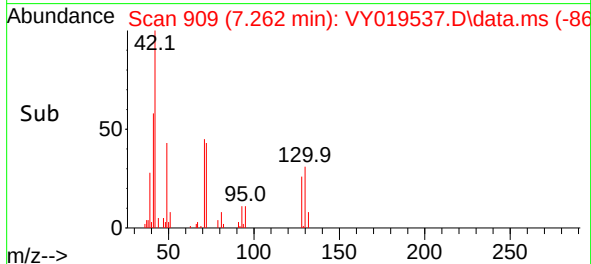
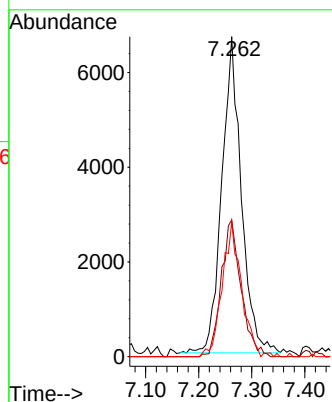
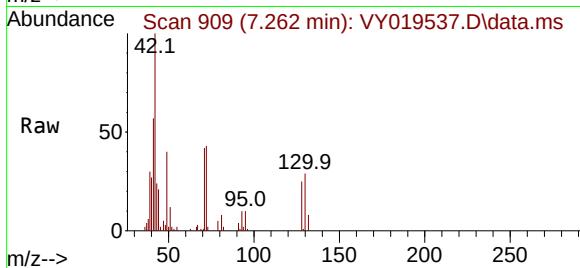
Tgt Ion: 42 Resp: 17097

Ion Ratio Lower Upper

42 100

72 43.6 43.0 64.4

71 41.5 40.8 61.2



#30

Chloroform

Concen: 4.845 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY019537.D

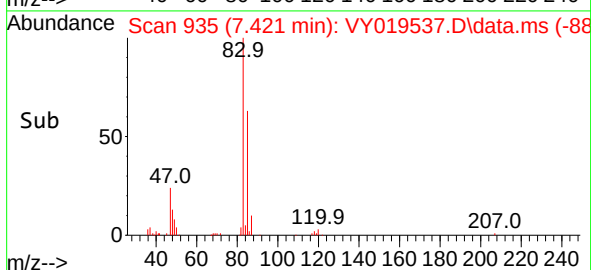
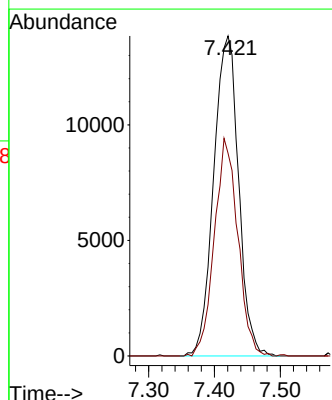
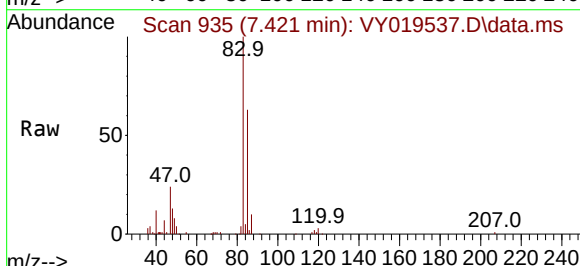
Acq: 13 Sep 2024 13:40

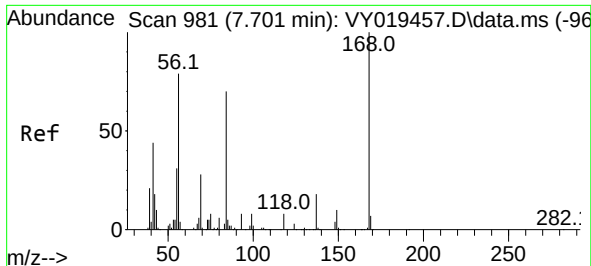
Tgt Ion: 83 Resp: 36464

Ion Ratio Lower Upper

83 100

85 63.4 52.2 78.4

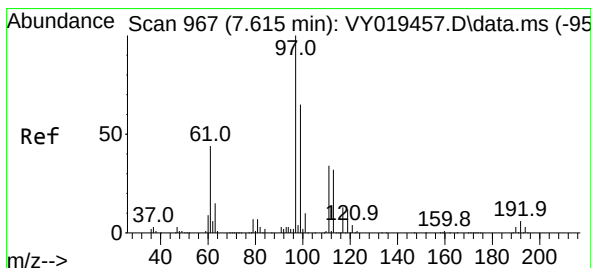
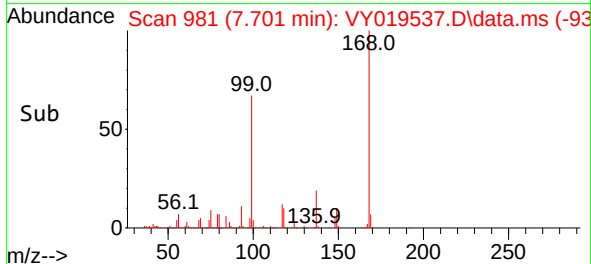
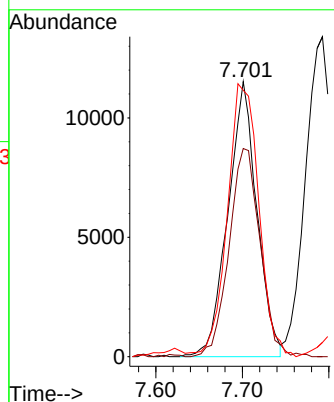
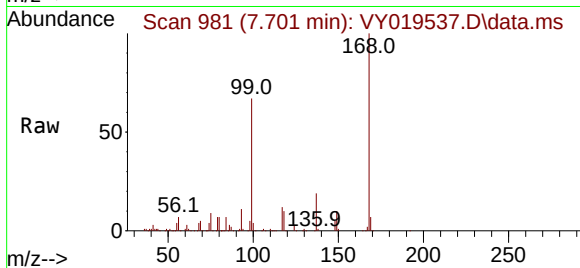




#31
Cyclohexane
Concen: 4.017 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

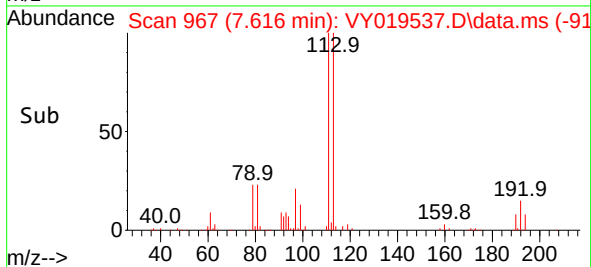
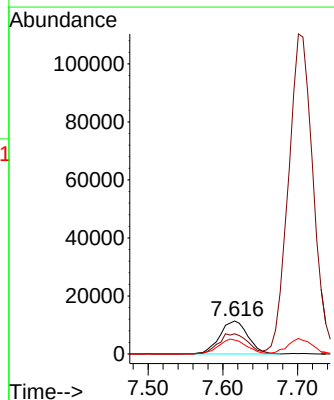
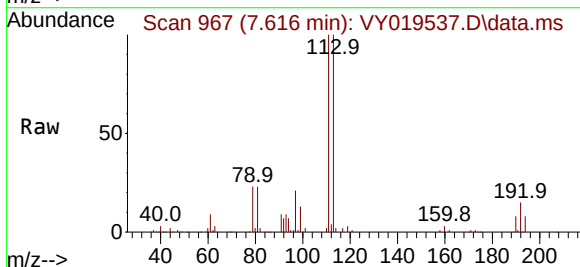
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

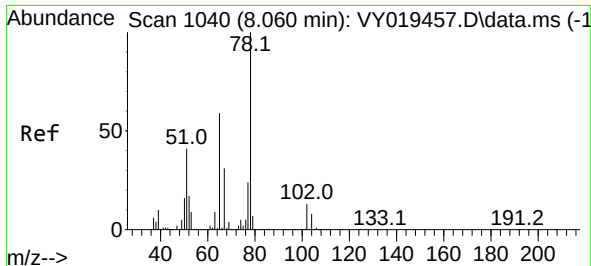
Tgt Ion: 56 Resp: 26770
Ion Ratio Lower Upper
56 100
69 75.1 28.7 43.1#
84 94.8 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 4.415 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 97 Resp: 29783
Ion Ratio Lower Upper
97 100
99 63.6 50.3 75.5
61 43.6 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 54.716 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

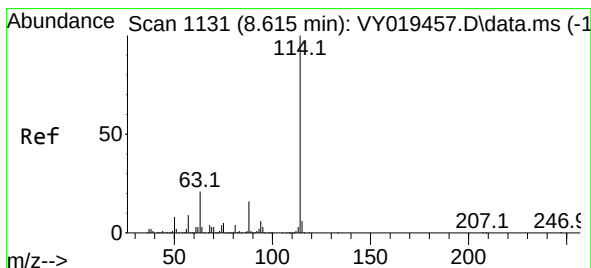
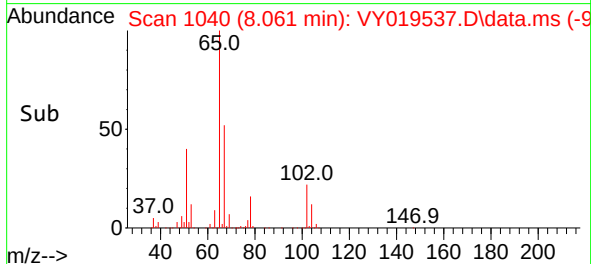
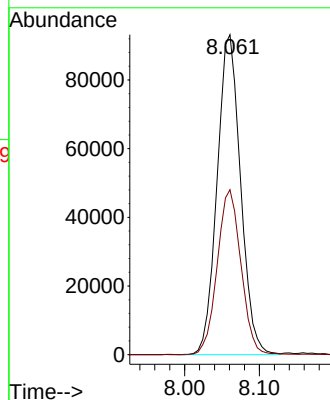
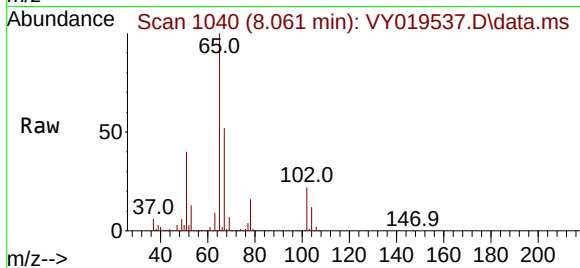
MDL-SOIL-03-QT3-2024

Tgt Ion: 65 Resp: 203725

Ion Ratio Lower Upper

65 100

67 52.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

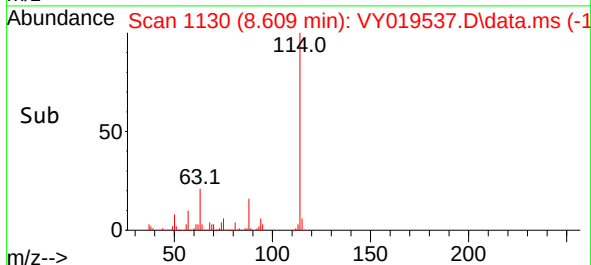
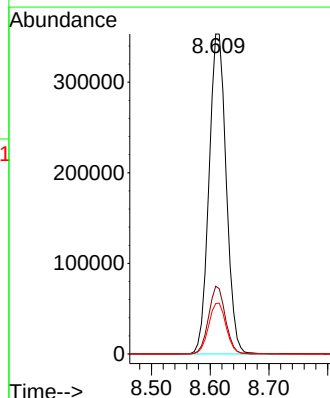
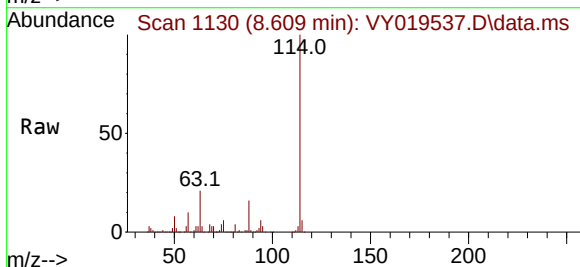
Tgt Ion: 114 Resp: 718319

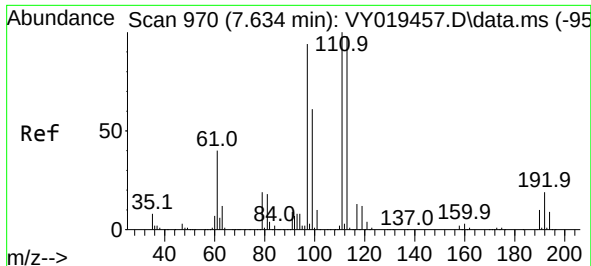
Ion Ratio Lower Upper

114 100

63 21.2 0.0 35.0

88 15.8 0.0 27.2

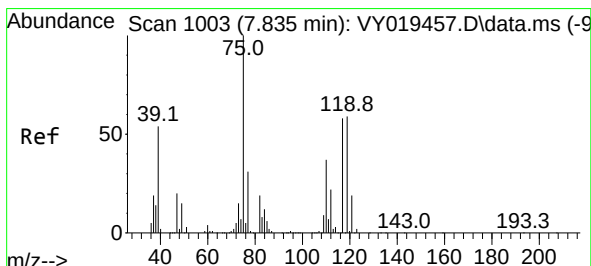
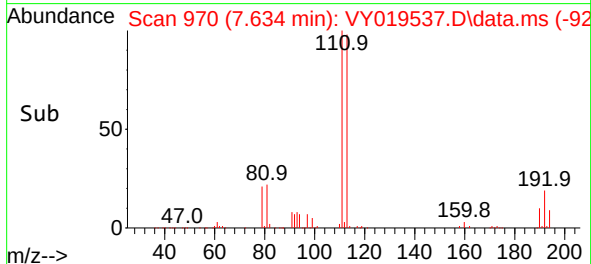
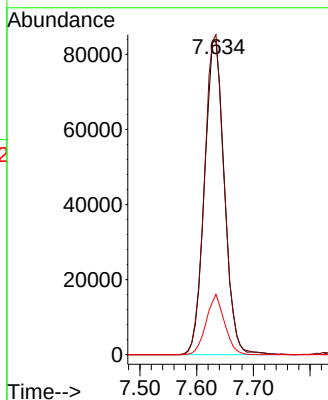
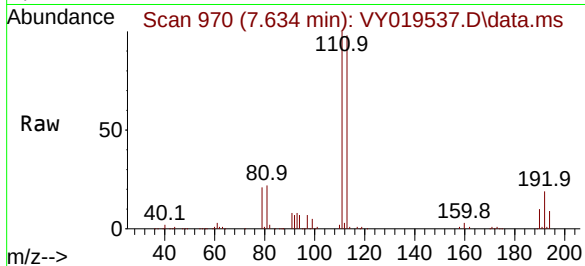




#35
Dibromofluoromethane
Concen: 50.103 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

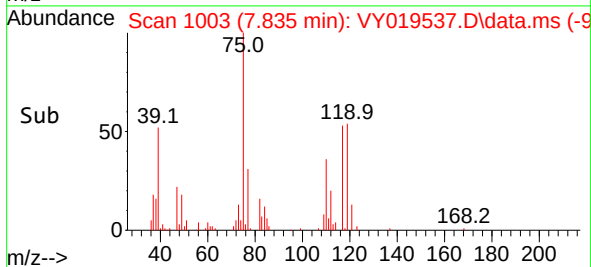
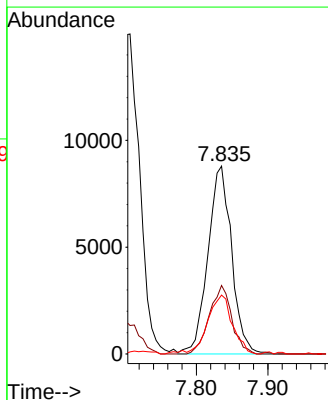
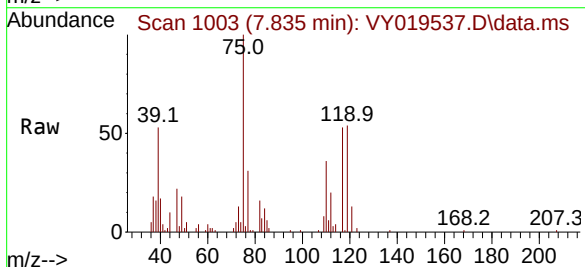
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

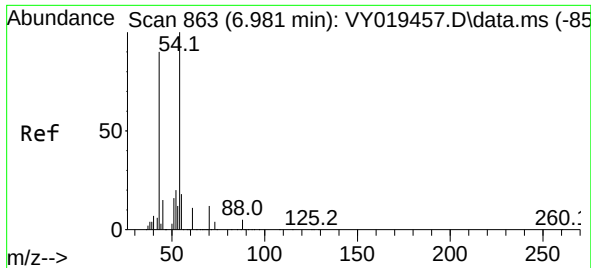
Tgt Ion:113 Resp: 204058
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 17.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 3.657 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 75 Resp: 20264
Ion Ratio Lower Upper
75 100
110 34.6 19.0 57.0
77 33.0 25.3 37.9





#37

Ethyl Acetate

Concen: 4.300 ug/l

RT: 6.976 min Scan# 8

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

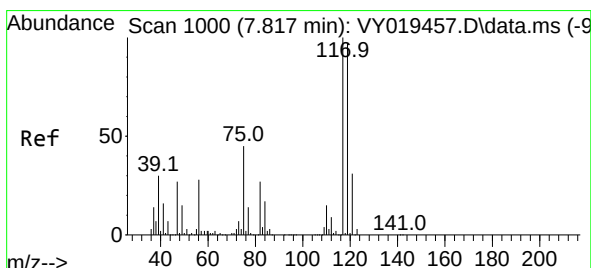
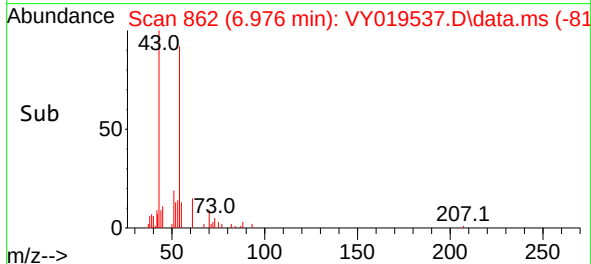
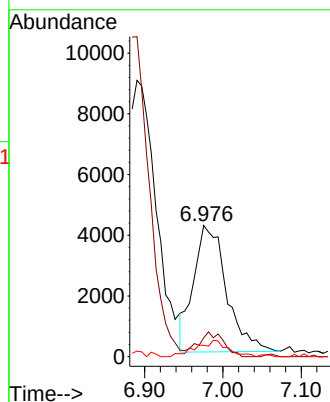
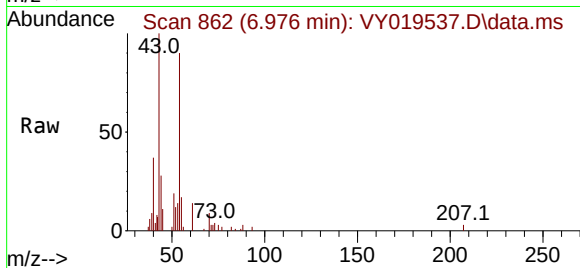
Tgt Ion: 43 Resp: 12210

Ion Ratio Lower Upper

43 100

61 14.9 12.6 19.0

70 12.3 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 3.944 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

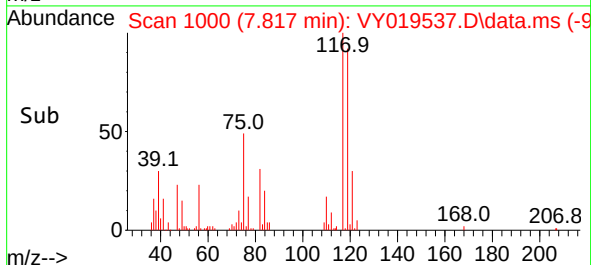
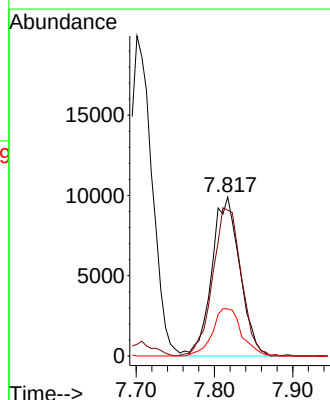
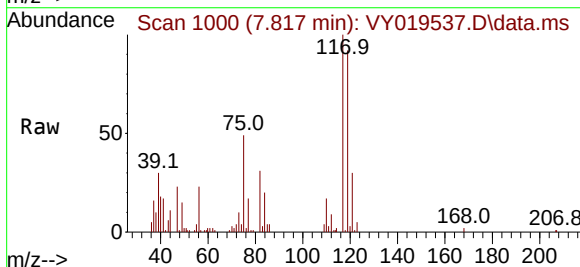
Tgt Ion:117 Resp: 24648

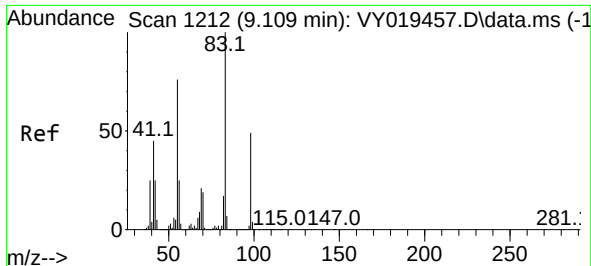
Ion Ratio Lower Upper

117 100

119 91.7 75.8 113.6

121 29.5 24.0 36.0





#39

Methylcyclohexane

Concen: 2.838 ug/l

RT: 9.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

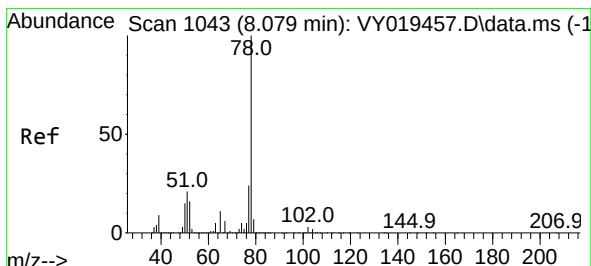
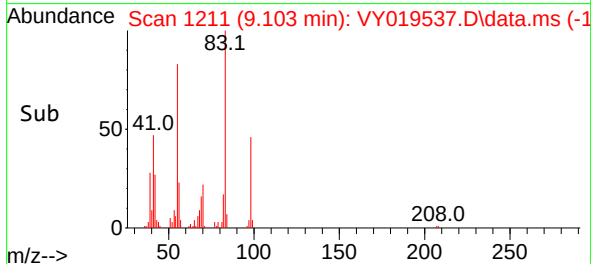
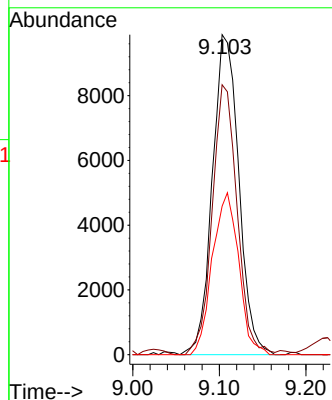
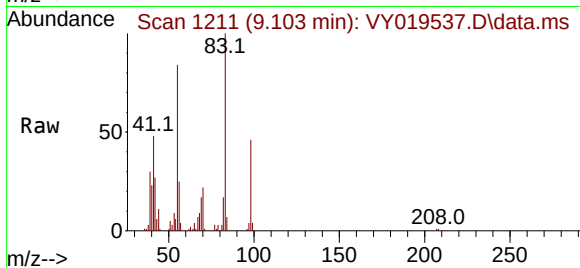
Tgt Ion: 83 Resp: 20933

Ion Ratio Lower Upper

83 100

55 84.3 51.5 77.3#

98 46.4 40.5 60.7



#40

Benzene

Concen: 3.910 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019537.D

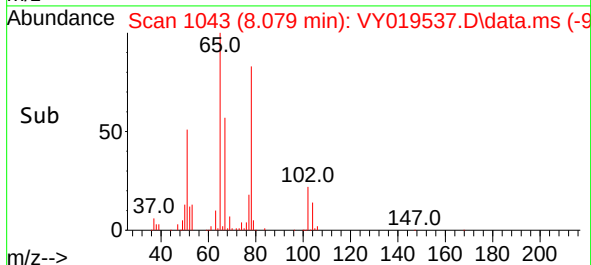
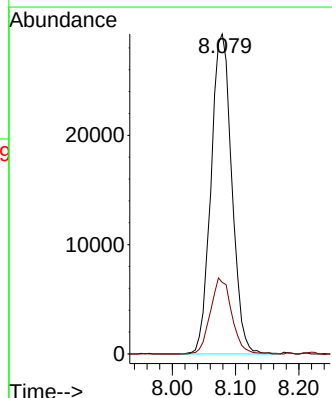
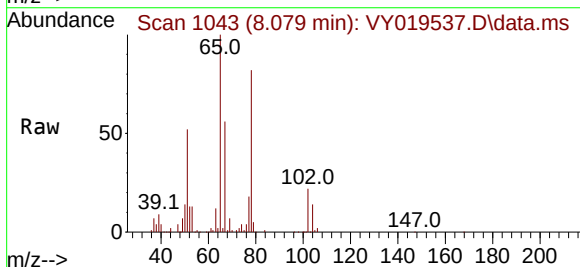
Acq: 13 Sep 2024 13:40

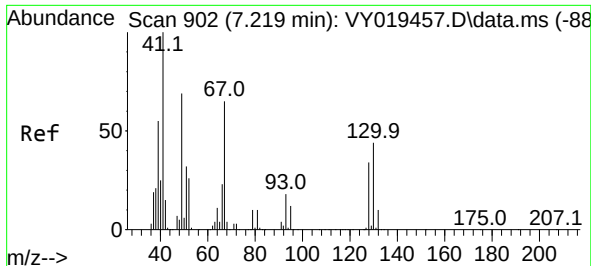
Tgt Ion: 78 Resp: 66744

Ion Ratio Lower Upper

78 100

77 22.3 19.5 29.3

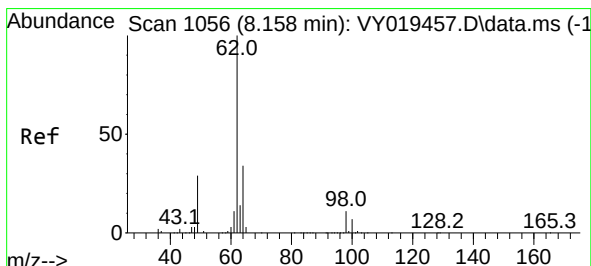
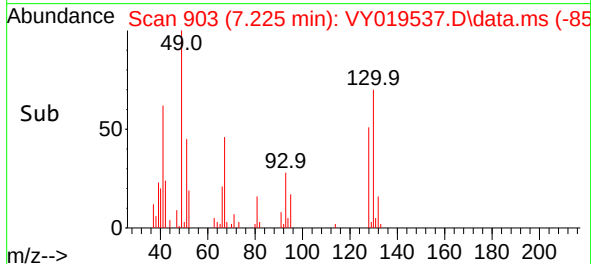
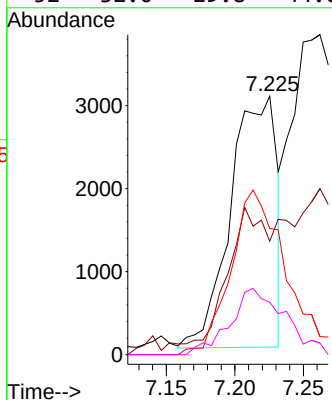
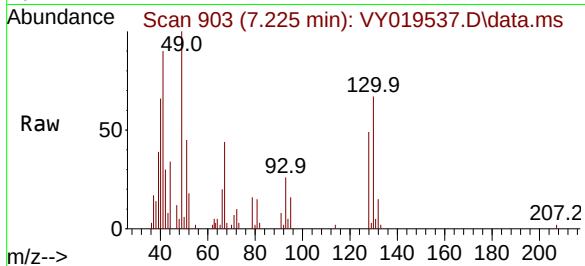




#41
Methacrylonitrile
Concen: 4.277 ug/l
RT: 7.225 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

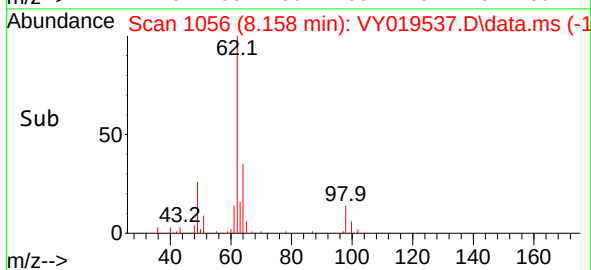
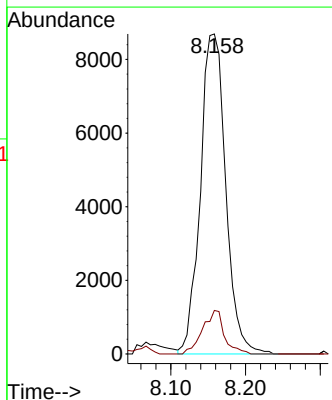
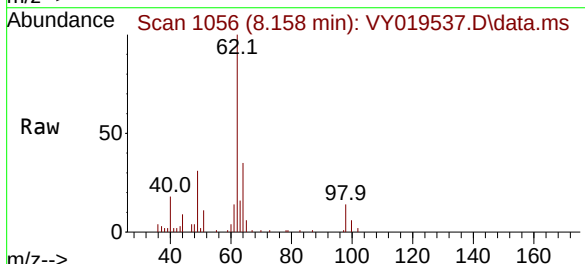
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

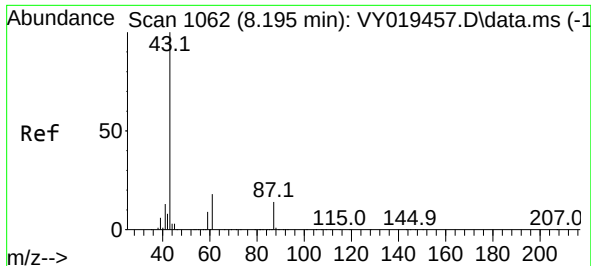
Tgt Ion: 41 Resp: 7080
Ion Ratio Lower Upper
41 100
39 45.3 48.0 72.0#
67 78.4 75.1 112.7
52 32.0 29.8 44.6



#42
1,2-Dichloroethane
Concen: 4.469 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 62 Resp: 20525
Ion Ratio Lower Upper
62 100
98 11.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 4.203 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

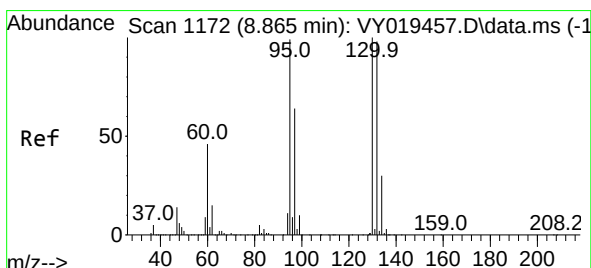
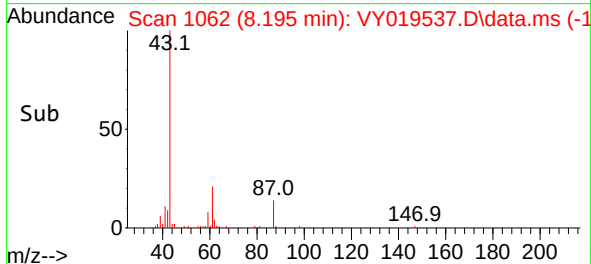
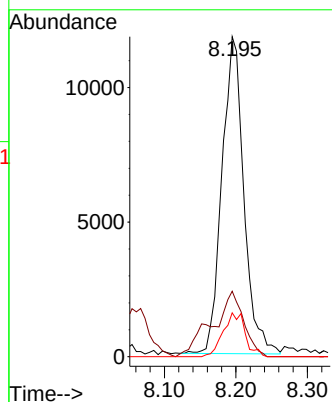
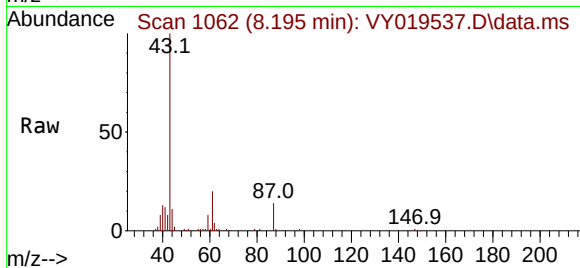
Tgt Ion: 43 Resp: 25076

Ion Ratio Lower Upper

43 100

61 18.3 27.9 41.9#

87 13.9 13.1 19.7



#44

Trichloroethene

Concen: 3.842 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY019537.D

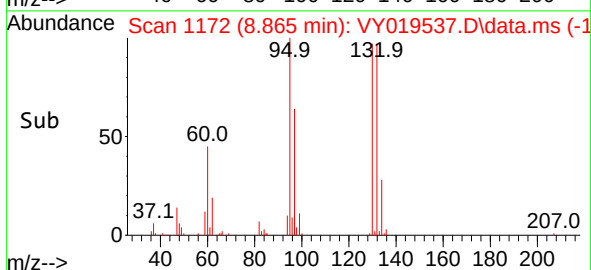
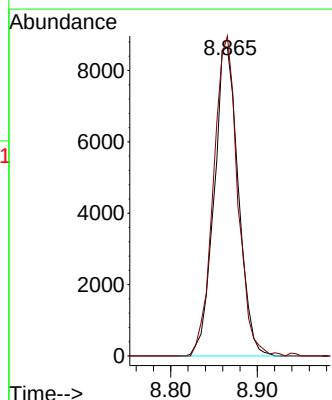
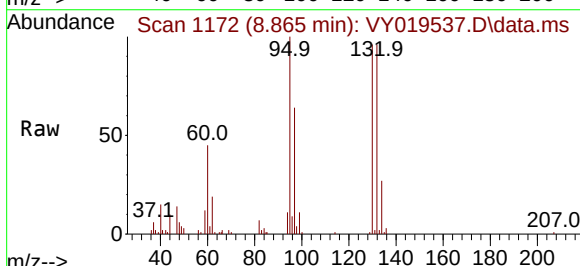
Acq: 13 Sep 2024 13:40

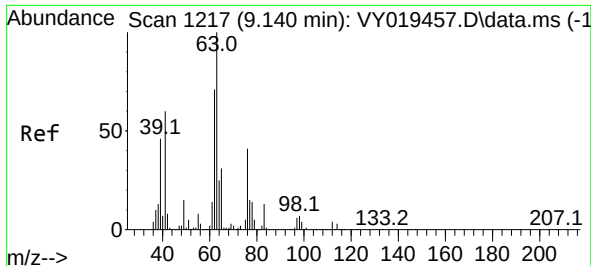
Tgt Ion:130 Resp: 16864

Ion Ratio Lower Upper

130 100

95 103.7 0.0 188.0





#45

1,2-Dichloropropane

Concen: 4.360 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

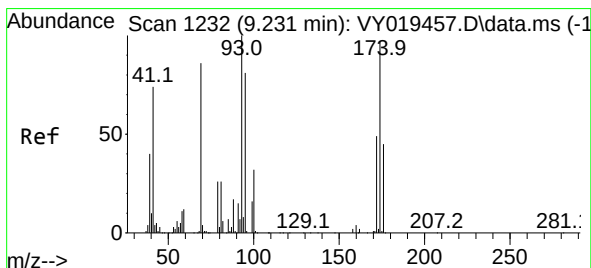
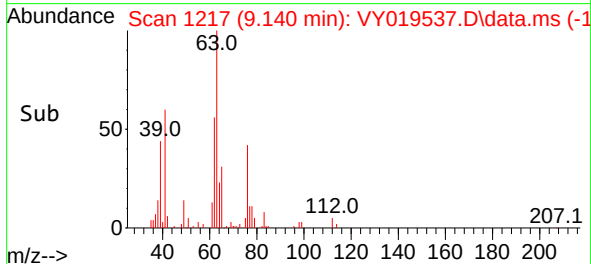
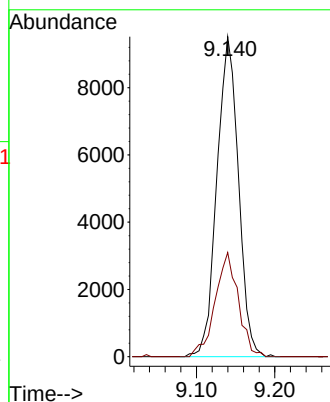
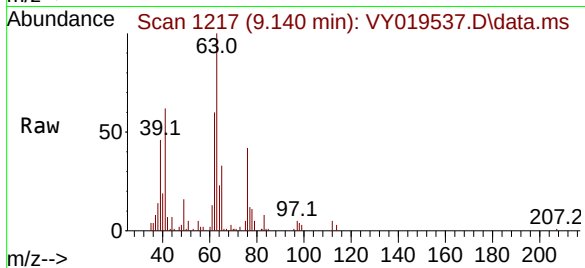
MDL-SOIL-03-QT3-2024

Tgt Ion: 63 Resp: 18193

Ion Ratio Lower Upper

63 100

65 32.6 25.4 38.2



#46

Dibromomethane

Concen: 4.300 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

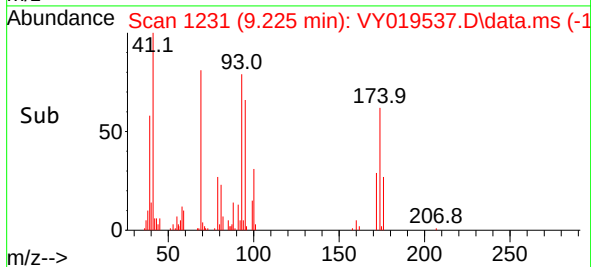
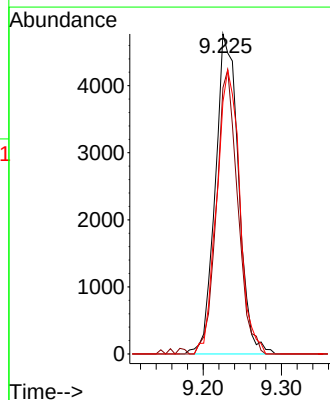
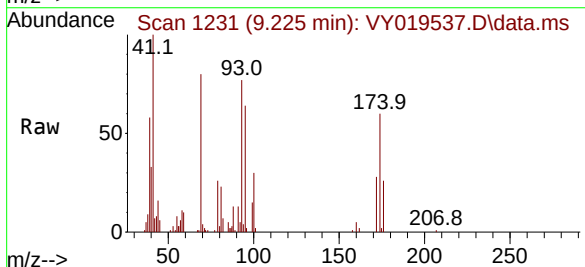
Tgt Ion: 93 Resp: 9813

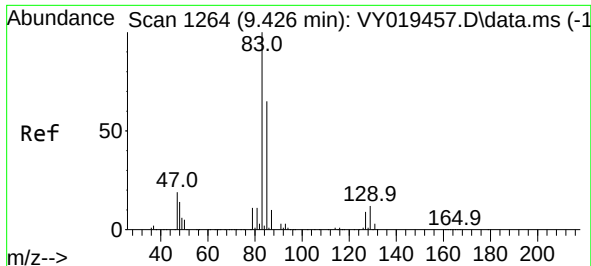
Ion Ratio Lower Upper

93 100

95 81.1 66.2 99.4

174 87.7 80.9 121.3





#47

Bromodichloromethane

Concen: 4.525 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

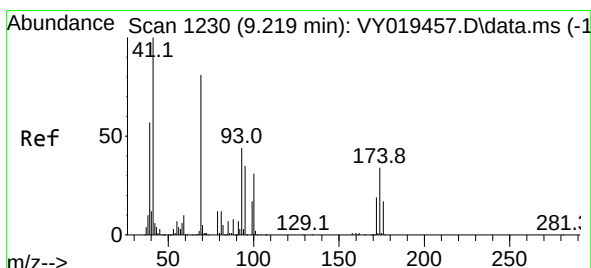
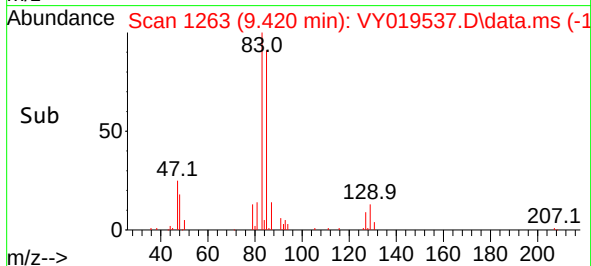
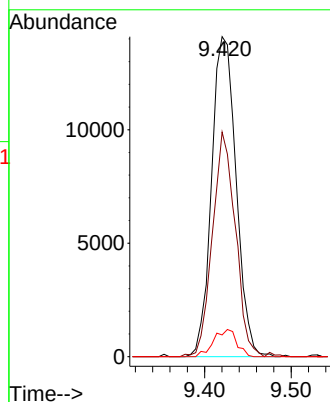
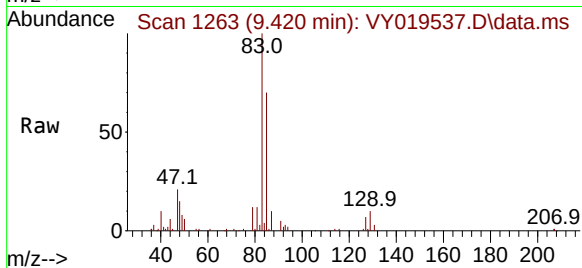
Tgt Ion: 83 Resp: 27755

Ion Ratio Lower Upper

83 100

85 70.2 50.1 75.1

127 6.8 7.4 11.0#



#48

Methyl methacrylate

Concen: 4.110 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

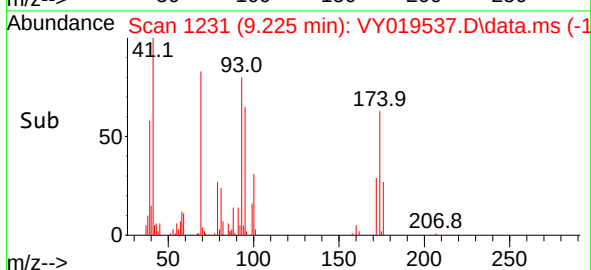
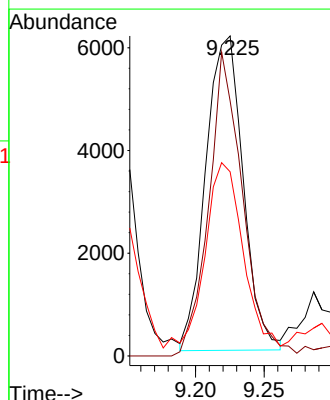
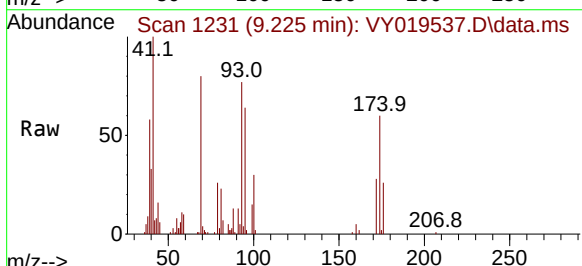
Tgt Ion: 41 Resp: 11577

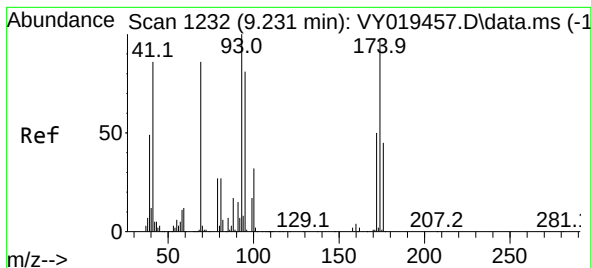
Ion Ratio Lower Upper

41 100

69 87.6 84.1 126.1

39 62.9 43.6 65.4





#49

1,4-Dioxane

Concen: 86.584 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

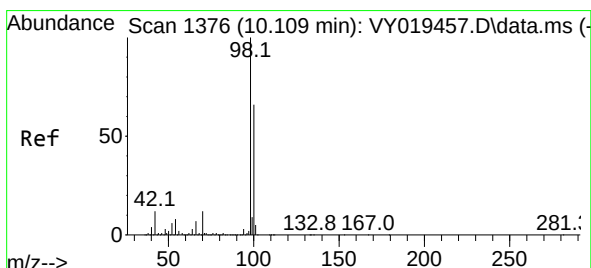
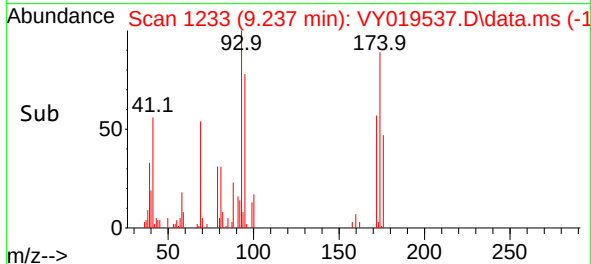
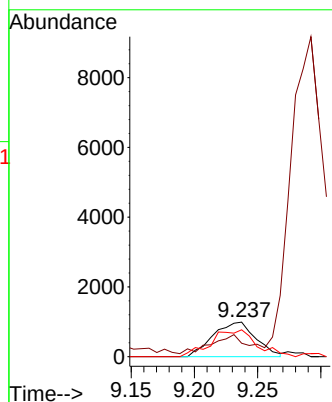
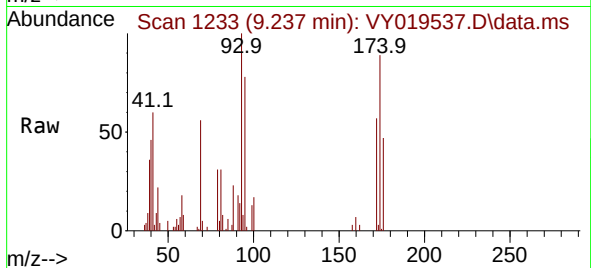
Tgt Ion: 88 Resp: 2326

Ion Ratio Lower Upper

88 100

43 40.0 0.0 0.0#

58 82.1 49.3 73.9#



#50

Toluene-d8

Concen: 49.251 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019537.D

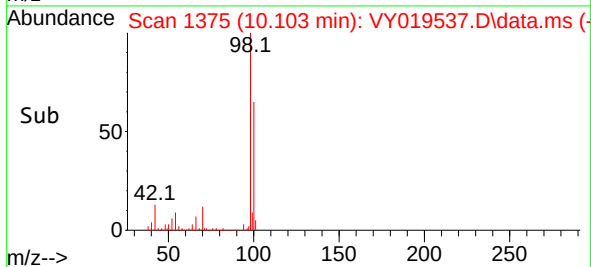
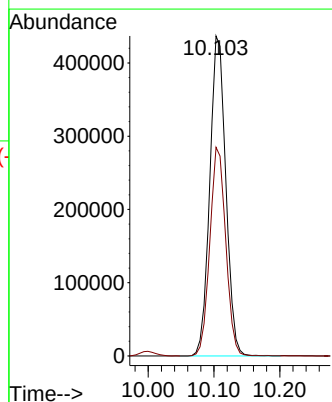
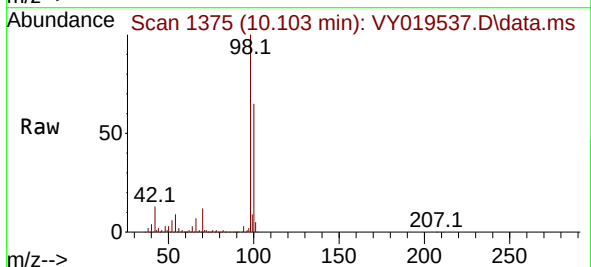
Acq: 13 Sep 2024 13:40

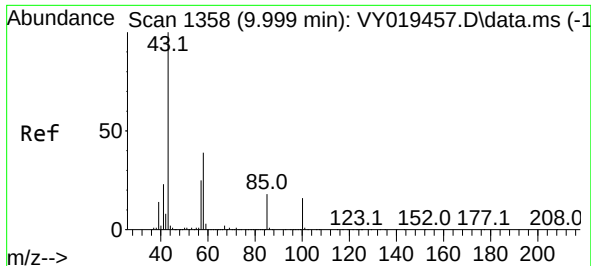
Tgt Ion: 98 Resp: 741927

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 21.949 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

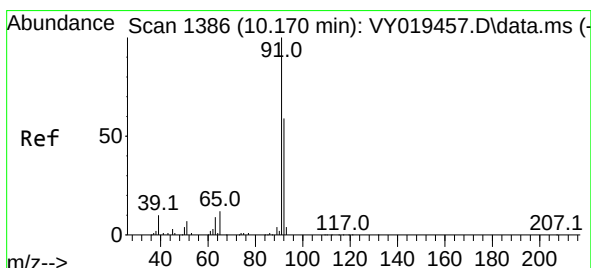
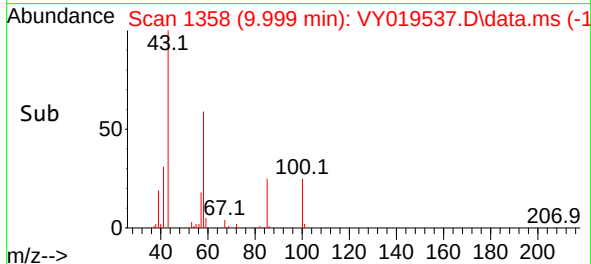
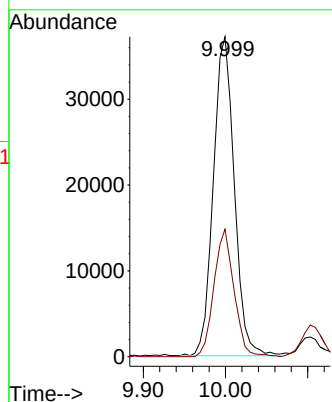
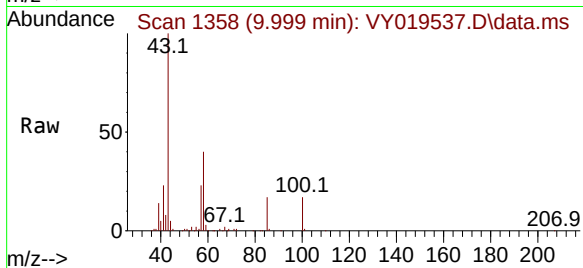
MDL-SOIL-03-QT3-2024

Tgt Ion: 43 Resp: 65874

Ion Ratio Lower Upper

43 100

58 38.1 35.7 53.5



#52

Toluene

Concen: 3.903 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY019537.D

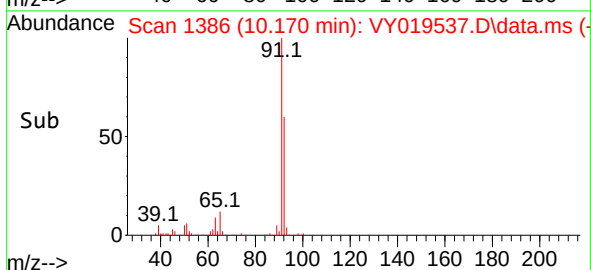
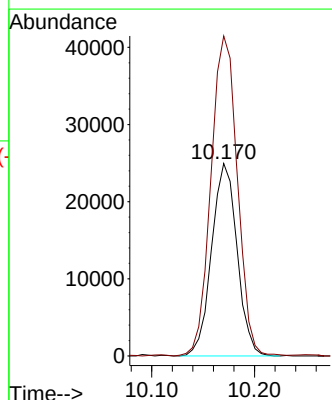
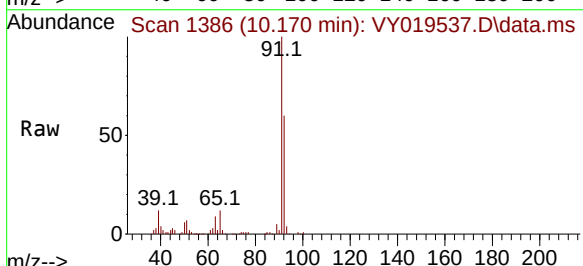
Acq: 13 Sep 2024 13:40

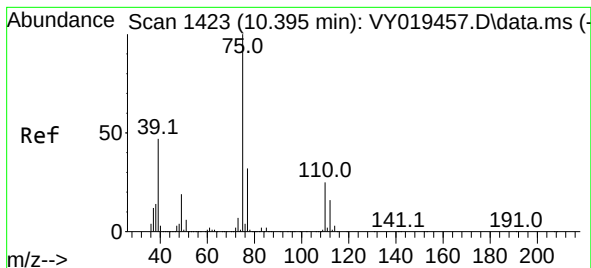
Tgt Ion: 92 Resp: 42848

Ion Ratio Lower Upper

92 100

91 172.8 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 4.005 ug/l

RT: 10.396 min Scan# 1423

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

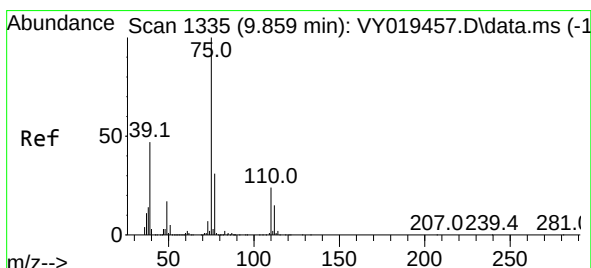
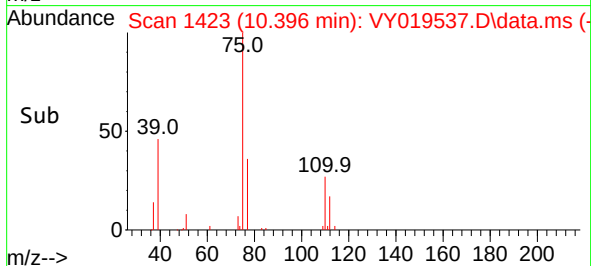
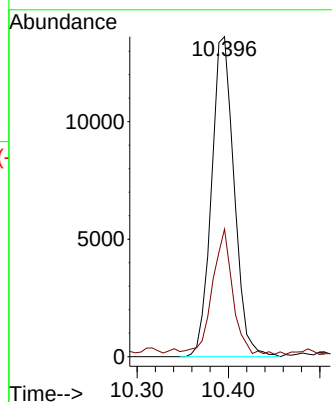
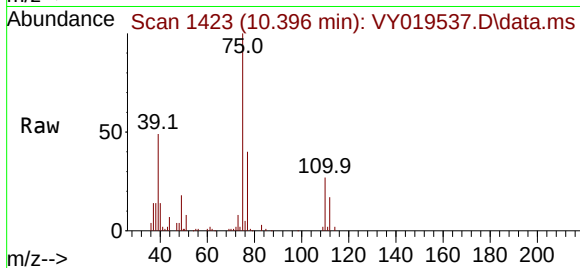
MDL-SOIL-03-QT3-2024

Tgt Ion: 75 Resp: 23418

Ion Ratio Lower Upper

75 100

77 38.3 24.1 36.1#



#54

cis-1,3-Dichloropropene

Concen: 4.079 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

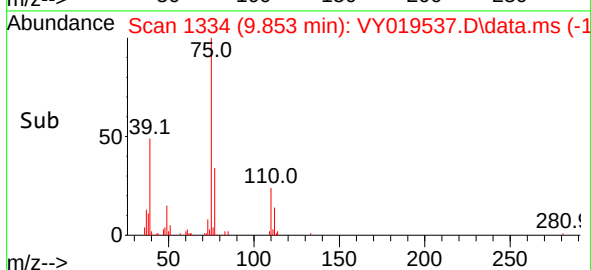
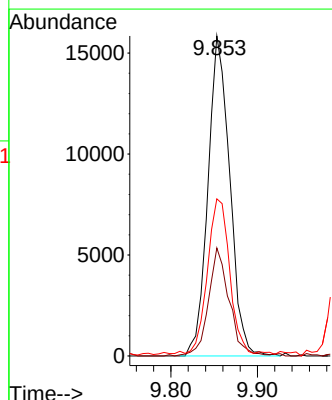
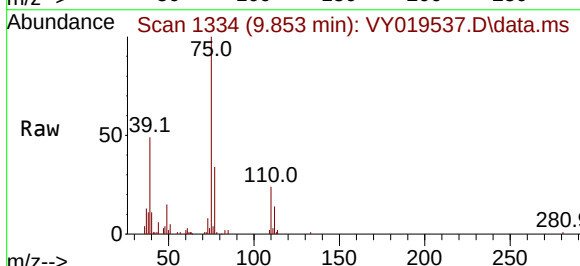
Tgt Ion: 75 Resp: 27773

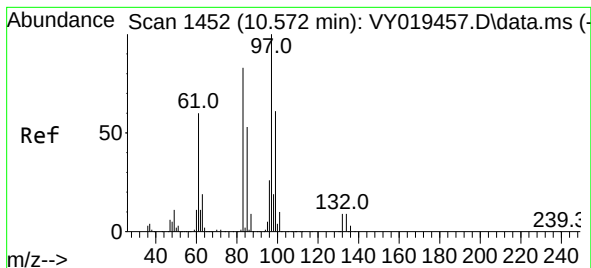
Ion Ratio Lower Upper

75 100

77 33.4 25.4 38.0

39 47.7 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 4.512 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion: 97 Resp: 14218

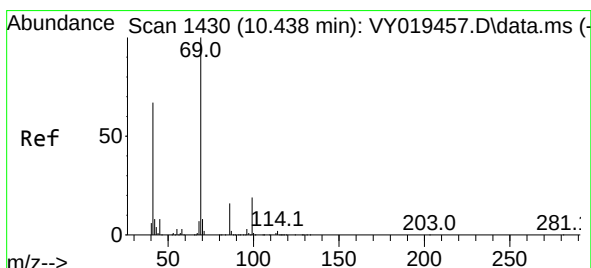
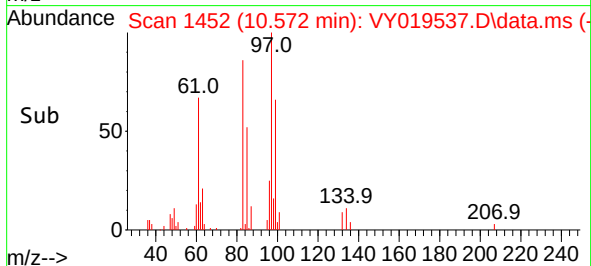
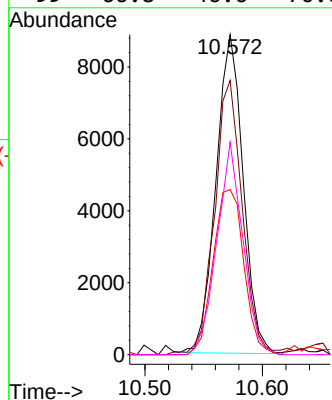
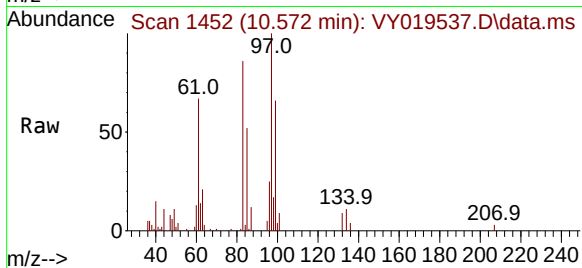
Ion Ratio Lower Upper

97 100

83 85.3 67.5 101.3

85 52.0 42.9 64.3

99 66.8 46.6 70.0



#56

Ethyl methacrylate

Concen: 4.179 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

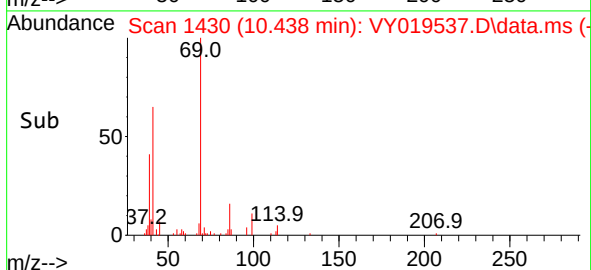
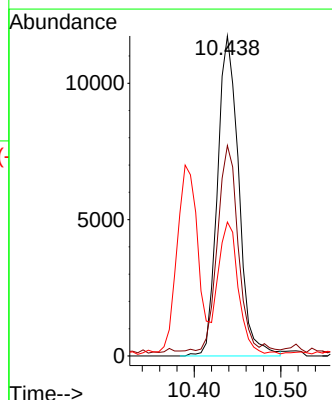
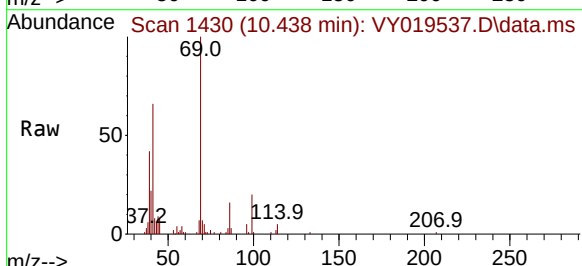
Tgt Ion: 69 Resp: 20004

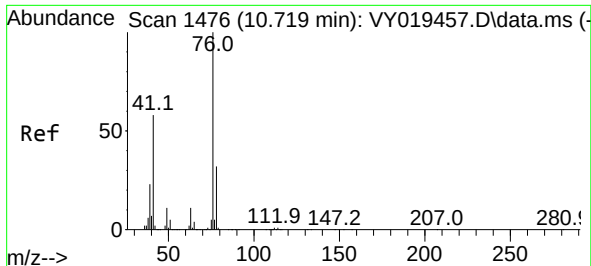
Ion Ratio Lower Upper

69 100

41 63.0 42.3 63.5

39 38.2 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 4.413 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

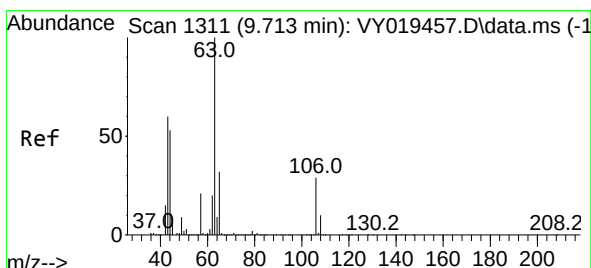
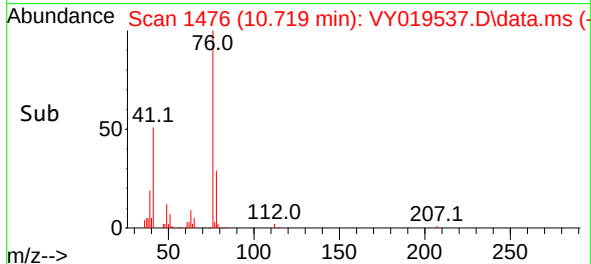
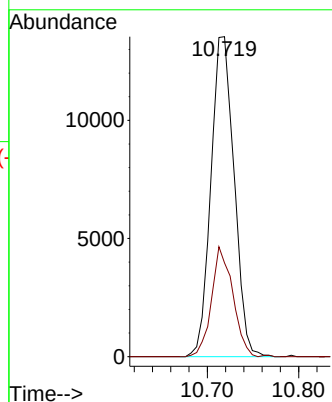
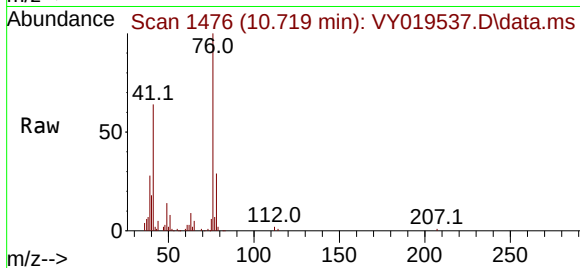
MDL-SOIL-03-QT3-2024

Tgt Ion: 76 Resp: 23907

Ion Ratio Lower Upper

76 100

78 31.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 20.429 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY019537.D

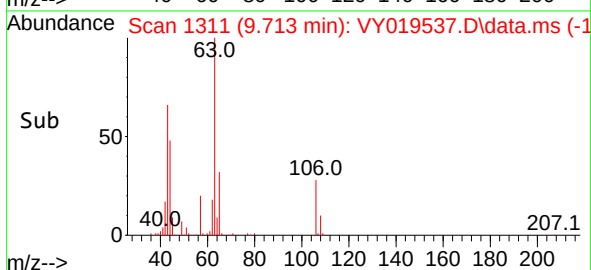
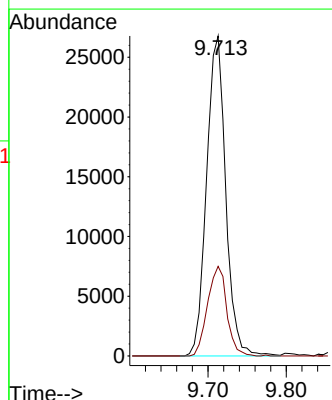
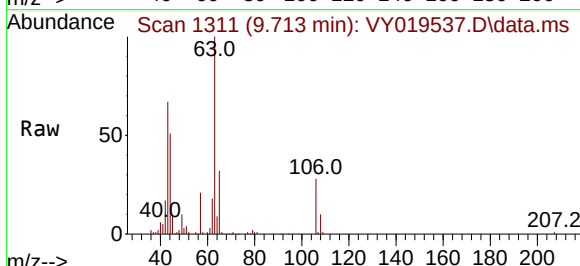
Acq: 13 Sep 2024 13:40

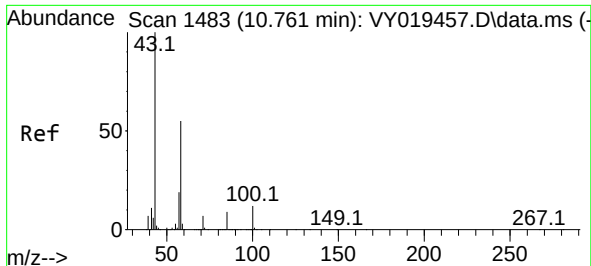
Tgt Ion: 63 Resp: 45390

Ion Ratio Lower Upper

63 100

106 28.1 23.7 35.5

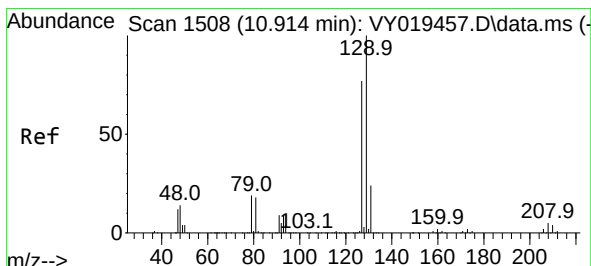
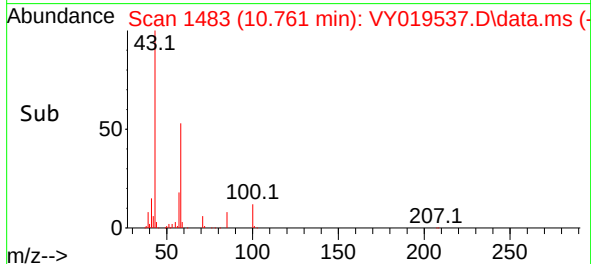
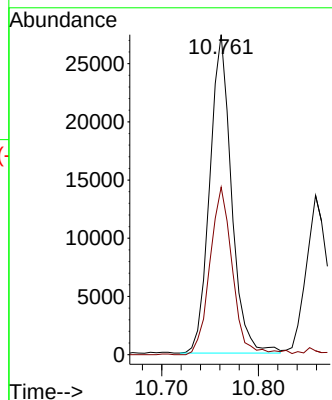
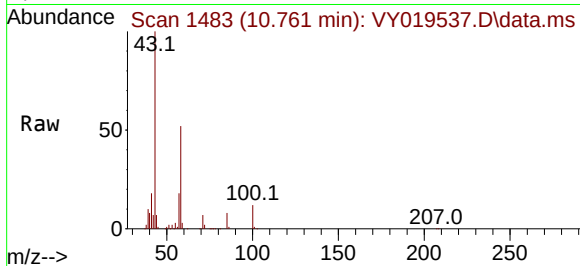




#59
2-Hexanone
Concen: 19.400 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

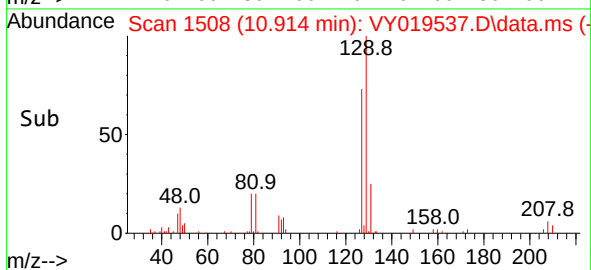
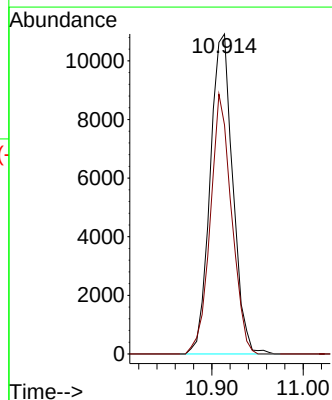
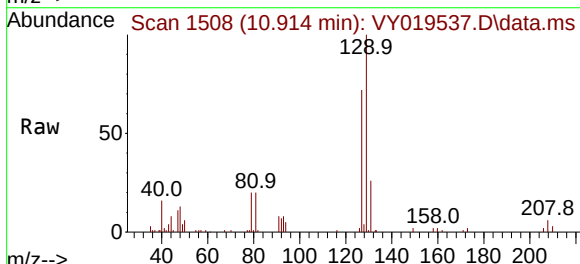
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

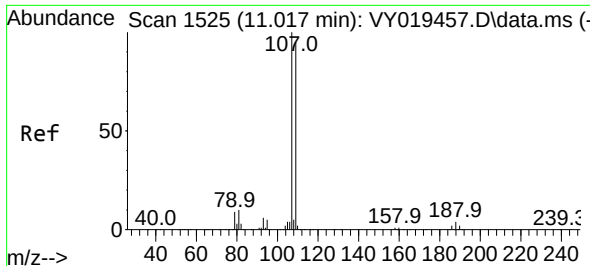
Tgt Ion: 43 Resp: 42685
Ion Ratio Lower Upper
43 100
58 54.7 31.4 94.0



#60
Dibromochloromethane
Concen: 4.506 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 129 Resp: 18782
Ion Ratio Lower Upper
129 100
127 76.1 39.0 117.0

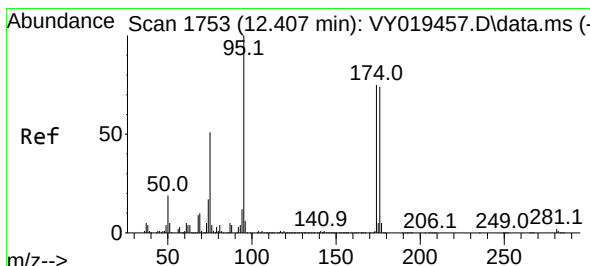
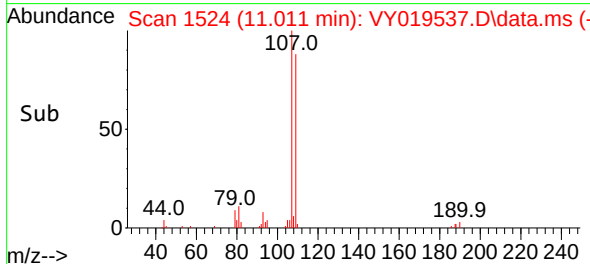
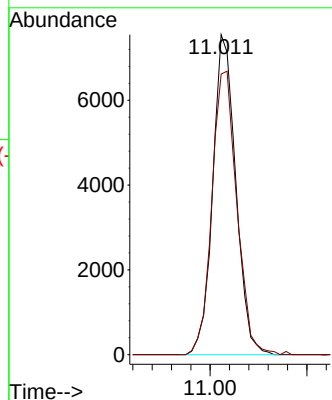
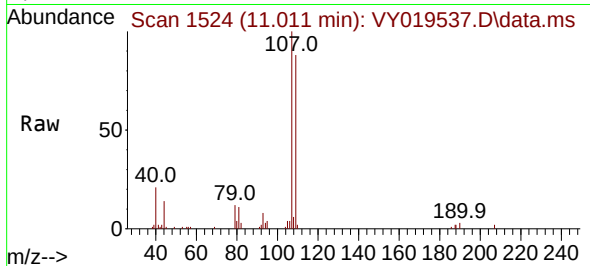




#61
1,2-Dibromoethane
Concen: 4.238 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

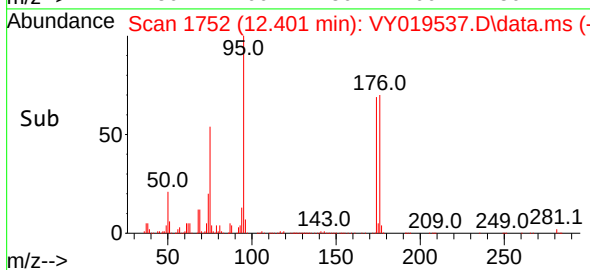
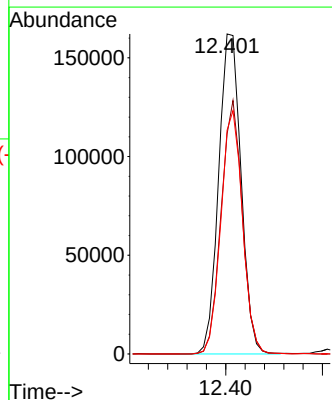
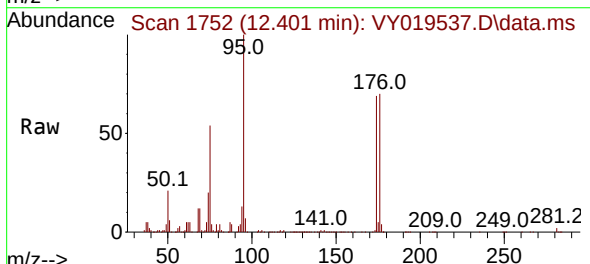
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

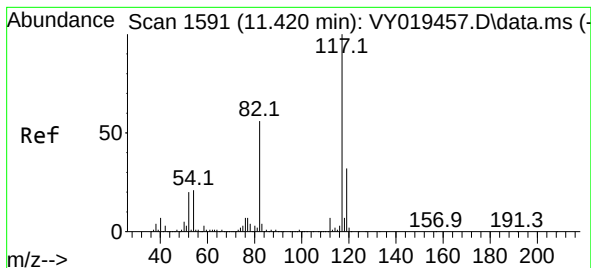
Tgt Ion:107 Resp: 12444
Ion Ratio Lower Upper
107 100
109 96.5 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 44.984 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 95 Resp: 260557
Ion Ratio Lower Upper
95 100
174 75.0 0.0 175.6
176 73.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

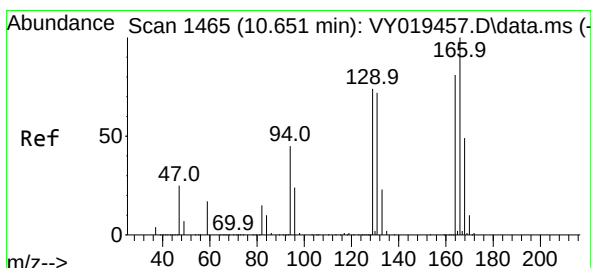
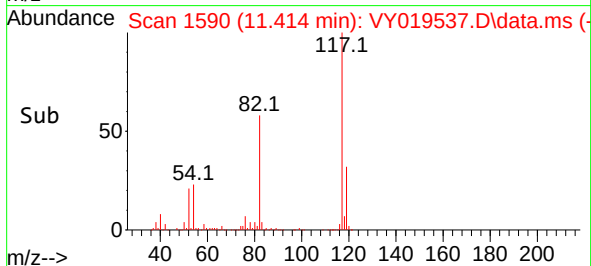
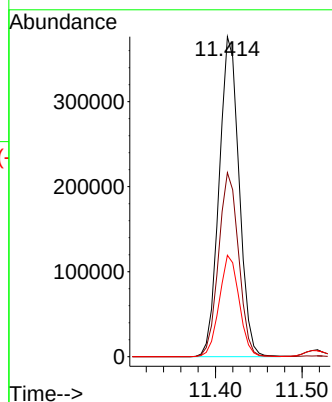
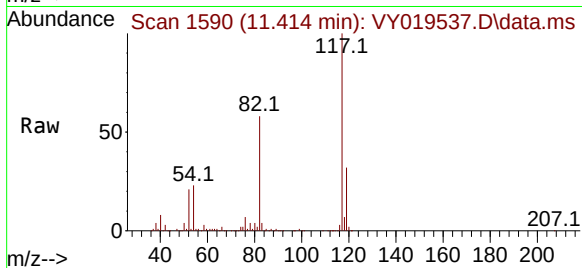
Tgt Ion:117 Resp: 602560

Ion Ratio Lower Upper

117 100

82 57.5 42.4 63.6

119 31.7 25.9 38.9



#64

Tetrachloroethene

Concen: 3.939 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Tgt Ion:164 Resp: 14697

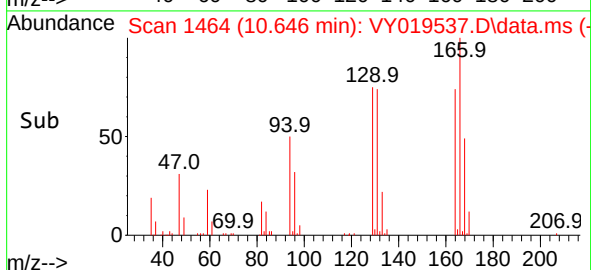
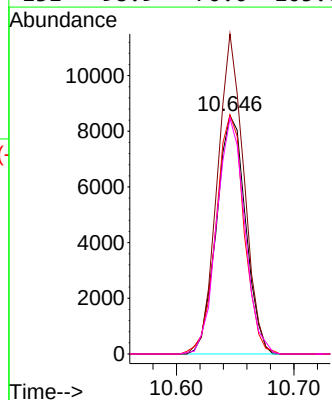
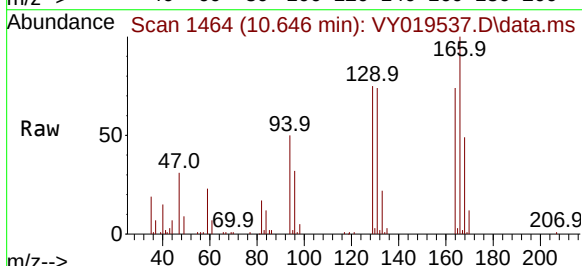
Ion Ratio Lower Upper

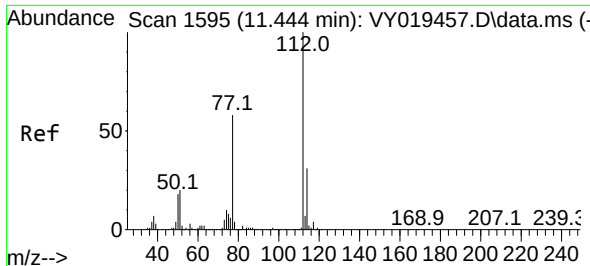
164 100

166 134.3 102.6 154.0

129 100.4 72.0 108.0

131 98.9 70.0 105.0

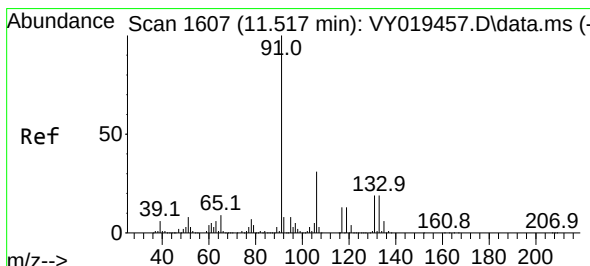
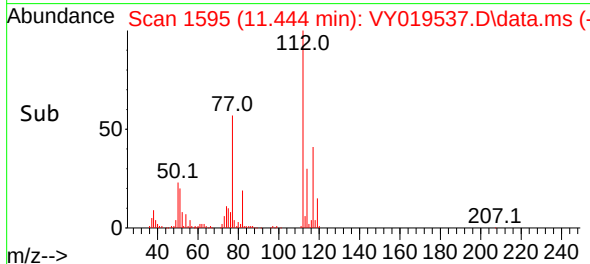
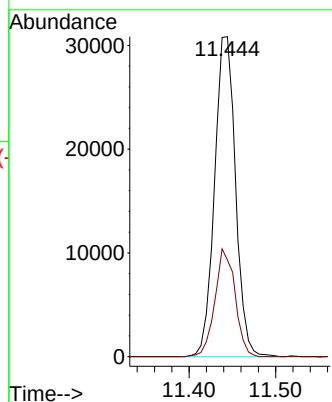
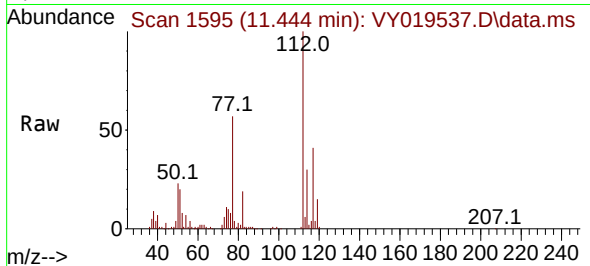




#65
Chlorobenzene
Concen: 4.382 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

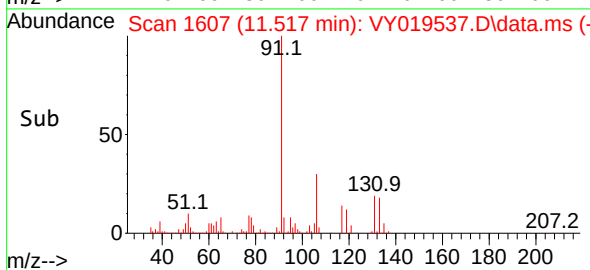
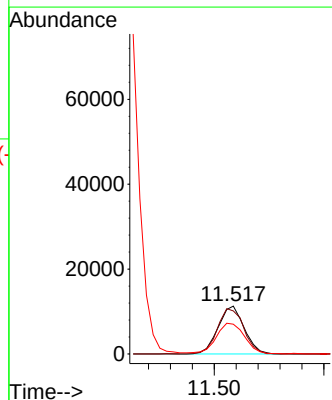
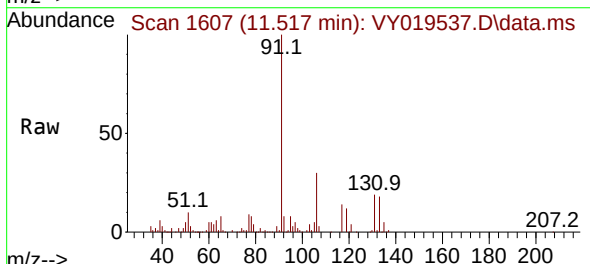
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

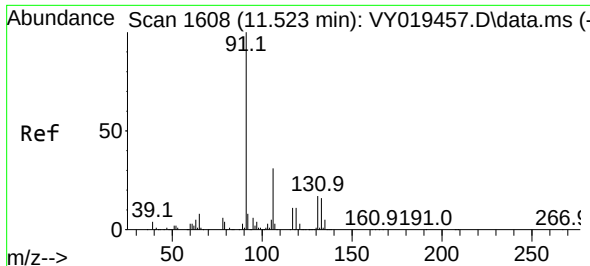
Tgt Ion:112 Resp: 51936
Ion Ratio Lower Upper
112 100
114 30.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.547 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion:131 Resp: 18662
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 70.3 34.1 102.2

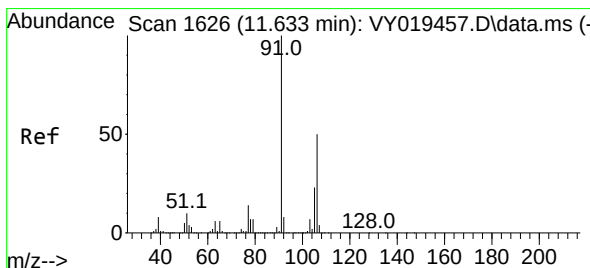
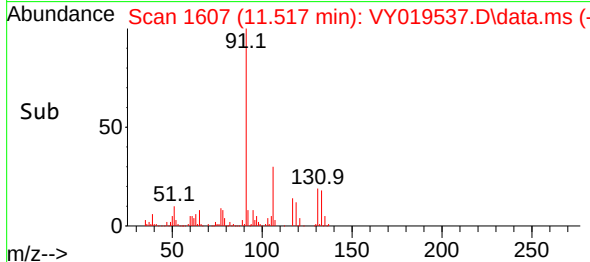
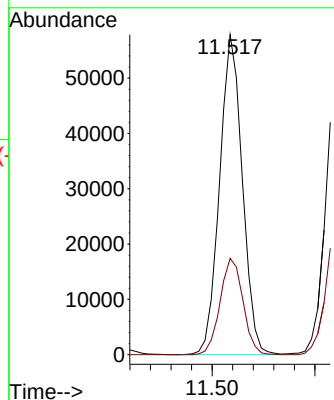
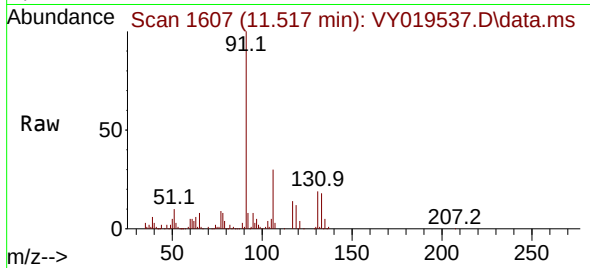




#67
Ethyl Benzene
Concen: 4.215 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

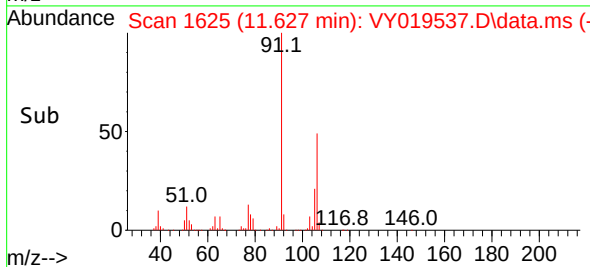
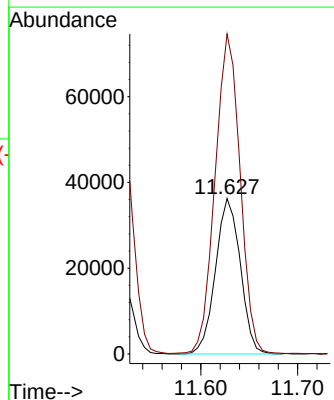
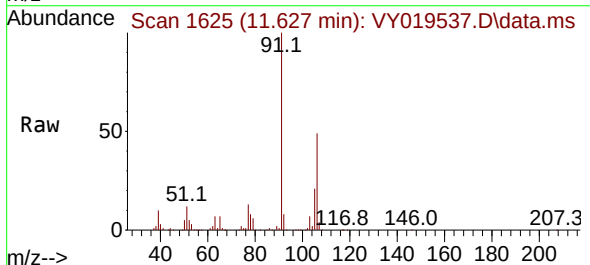
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

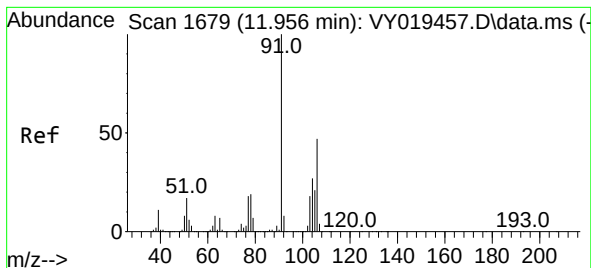
Tgt Ion: 91 Resp: 88774
Ion Ratio Lower Upper
91 100
106 30.1 24.5 36.7



#68
m/p-Xylenes
Concen: 8.104 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion:106 Resp: 64536
Ion Ratio Lower Upper
106 100
91 207.9 156.0 234.0





#69

o-Xylene

Concen: 4.250 ug/l

RT: 11.950 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

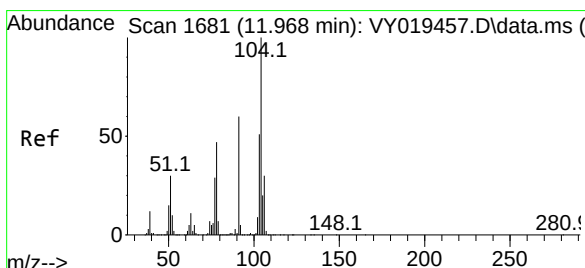
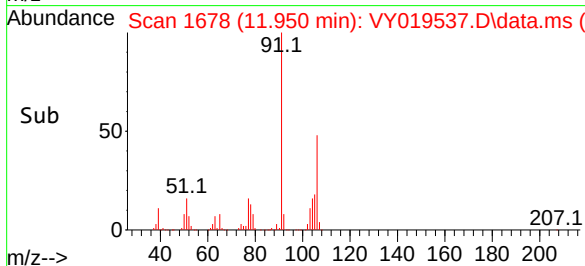
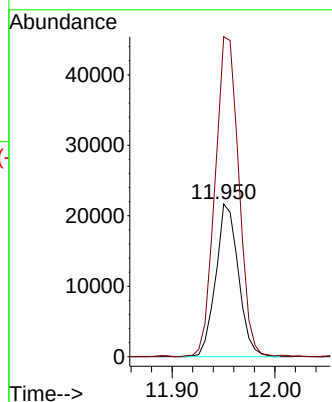
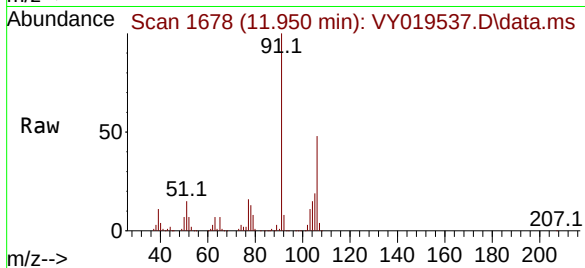
MDL-SOIL-03-QT3-2024

Tgt Ion:106 Resp: 33101

Ion Ratio Lower Upper

106 100

91 220.4 103.6 310.8



#70

Styrene

Concen: 4.297 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

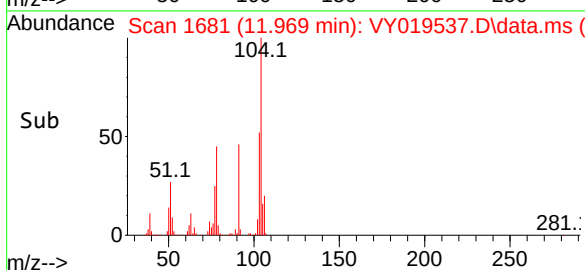
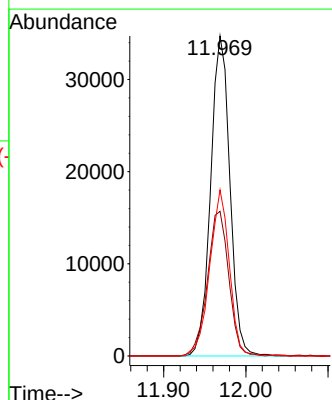
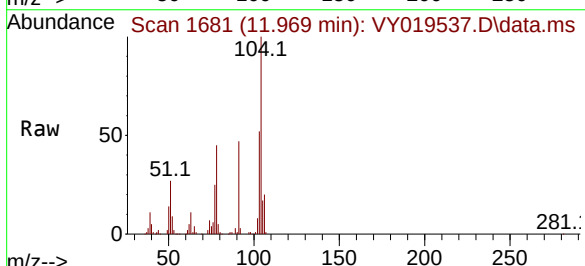
Tgt Ion:104 Resp: 56506

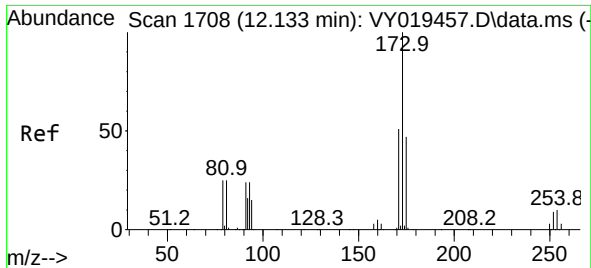
Ion Ratio Lower Upper

104 100

78 50.2 37.0 55.4

103 52.8 44.2 66.2

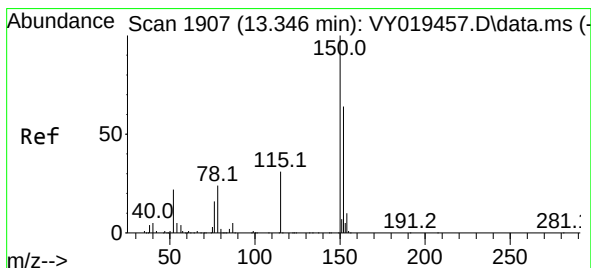
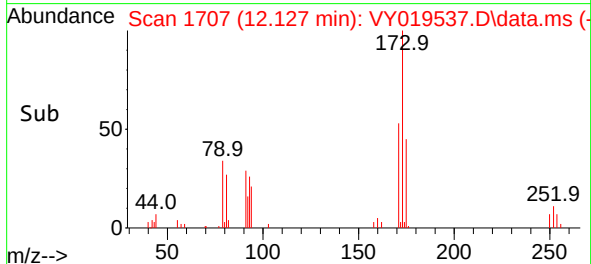
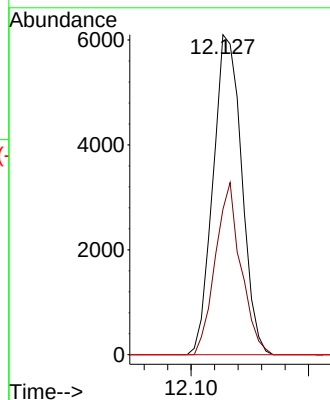
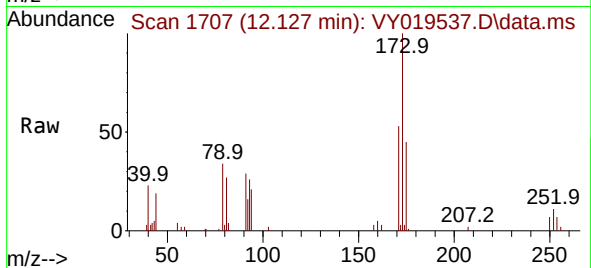




#71
Bromoform
Concen: 4.397 ug/l
RT: 12.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

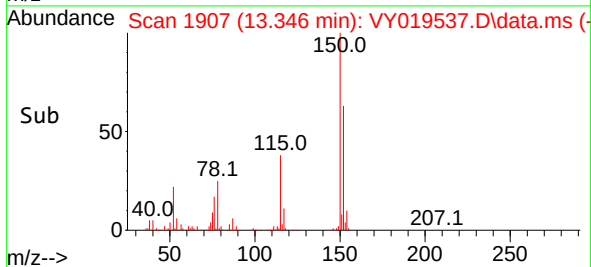
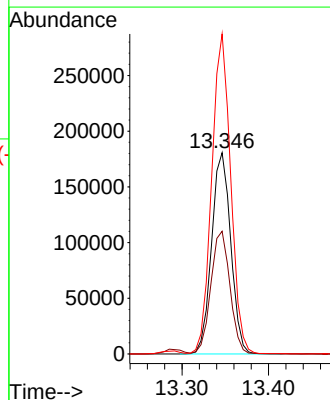
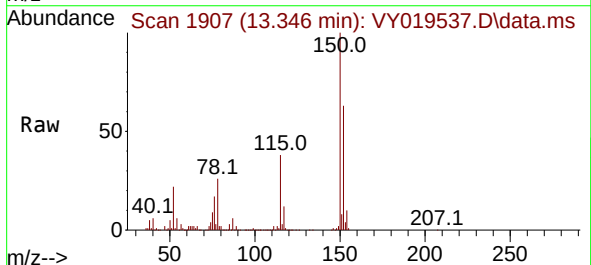
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

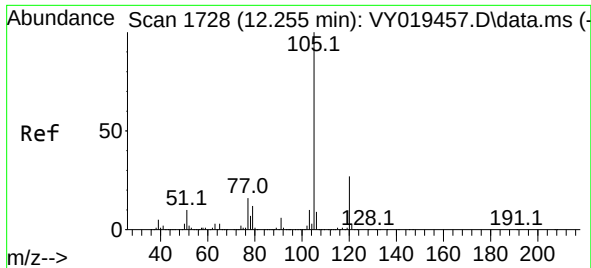
Tgt Ion:173 Resp: 10307
Ion Ratio Lower Upper
173 100
175 48.2 25.1 75.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion:152 Resp: 277332
Ion Ratio Lower Upper
152 100
115 61.1 28.2 84.7
150 157.6 0.0 345.6

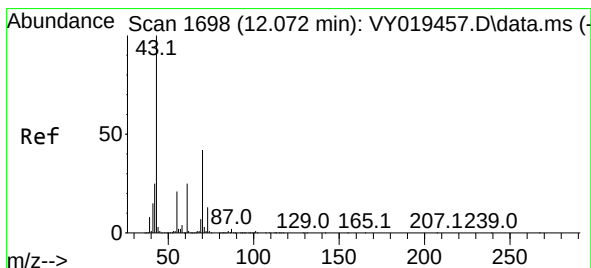
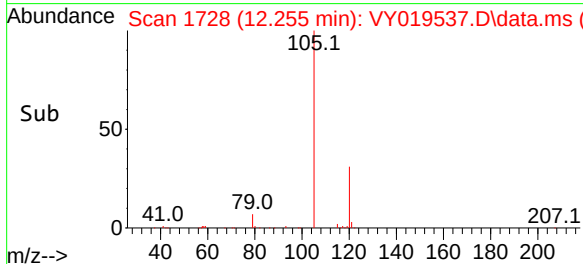
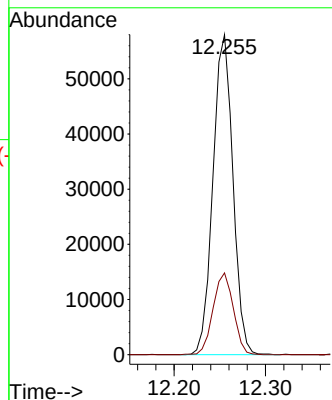
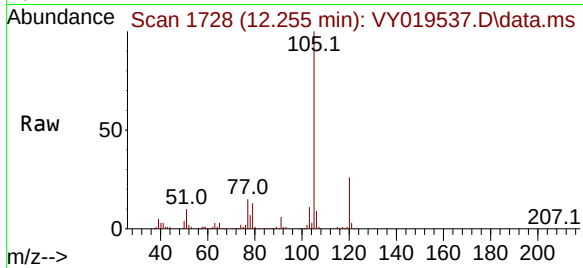




#73
Isopropylbenzene
Concen: 4.365 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

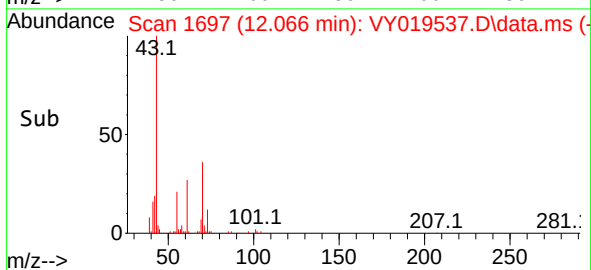
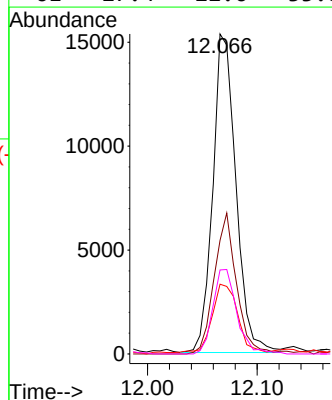
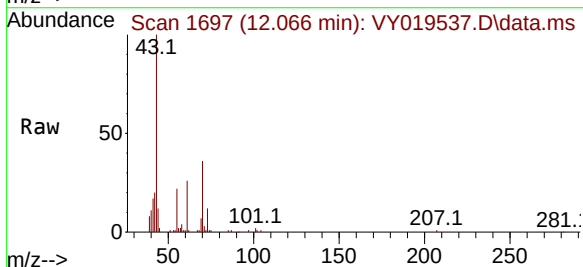
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

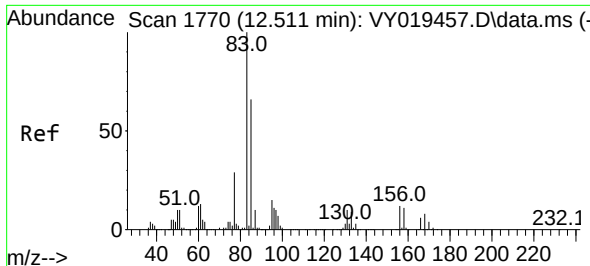
Tgt Ion:105 Resp: 87825
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.1



#74
N-ethyl acetate
Concen: 4.117 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 43 Resp: 22525
Ion Ratio Lower Upper
43 100
70 43.2 41.4 62.2
55 23.4 23.3 34.9
61 27.4 22.6 33.8

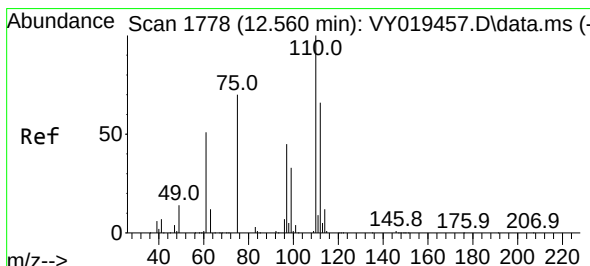
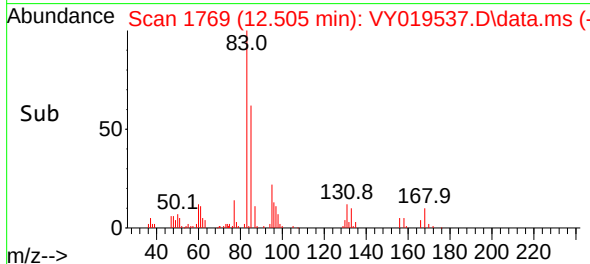
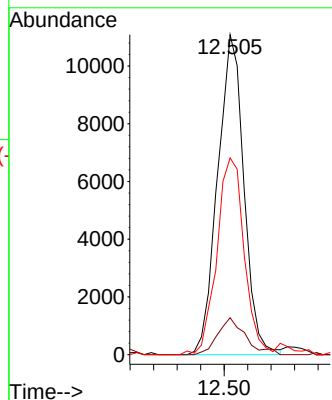
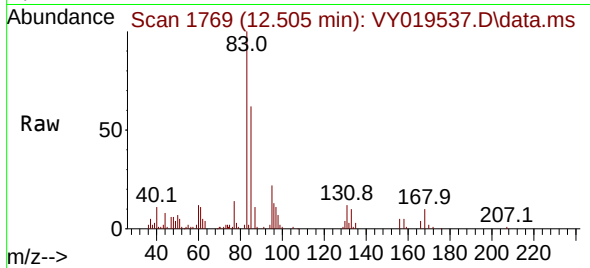




#75
1,1,2,2-Tetrachloroethane
Concen: 4.814 ug/l
RT: 12.505 min Scan# 1770
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

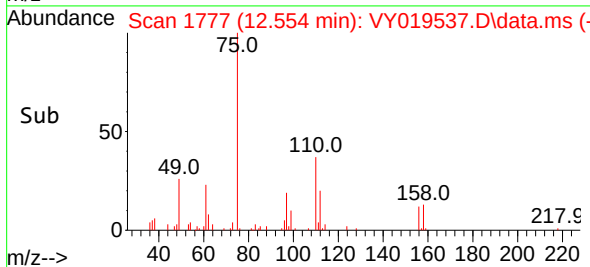
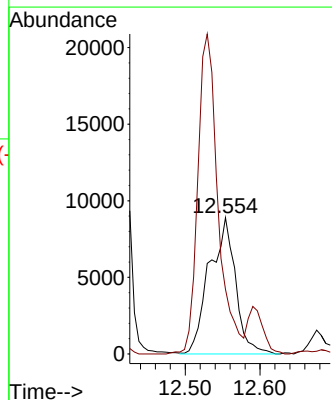
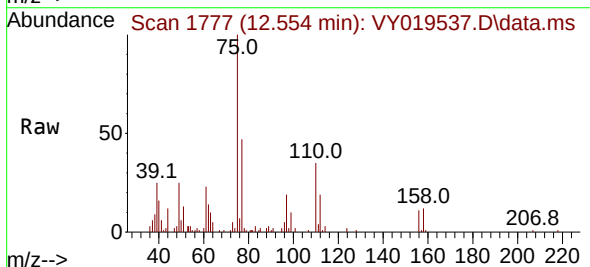
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

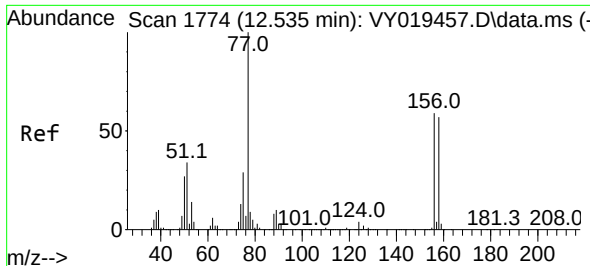
Tgt Ion: 83 Resp: 17193
Ion Ratio Lower Upper
83 100
131 12.2 5.0 14.9
85 64.0 32.0 96.0



#76
1,2,3-Trichloropropane
Concen: 8.353 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 75 Resp: 21712
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

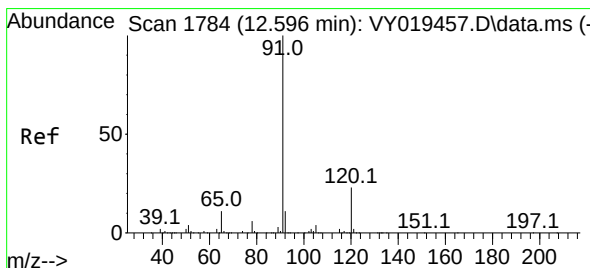
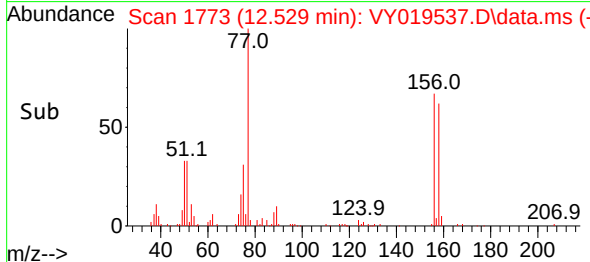
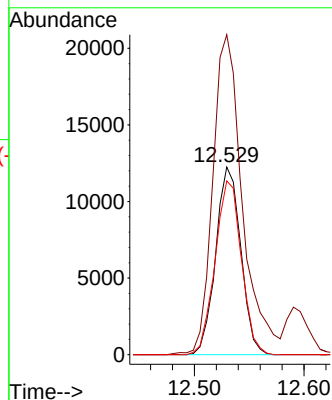
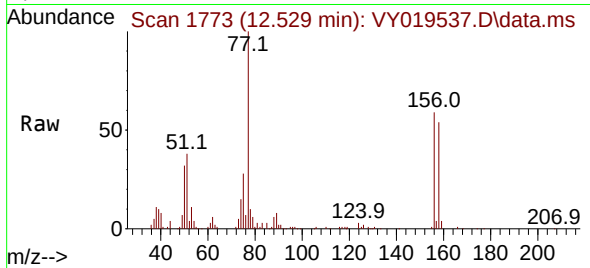




#77
Bromobenzene
Concen: 4.361 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

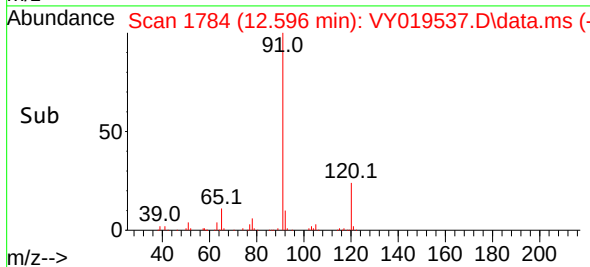
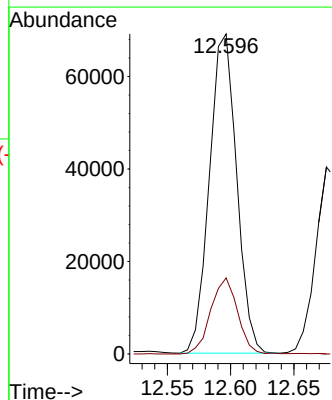
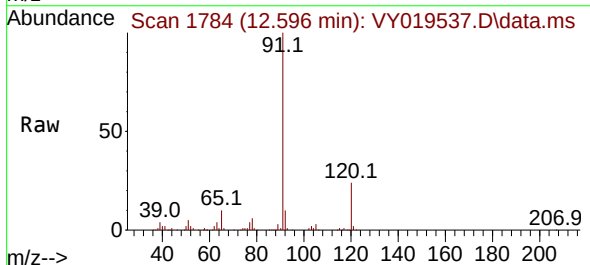
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

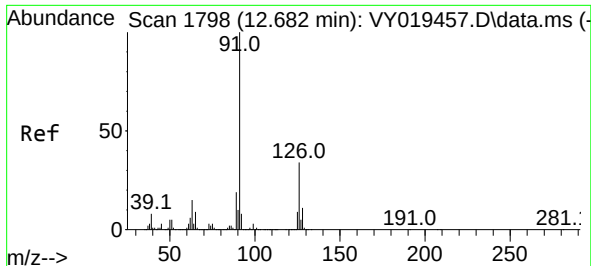
Tgt Ion:156 Resp: 19458
Ion Ratio Lower Upper
156 100
77 201.2 87.1 261.3
158 97.2 48.6 145.9



#78
n-propylbenzene
Concen: 4.341 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 91 Resp: 103529
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.4

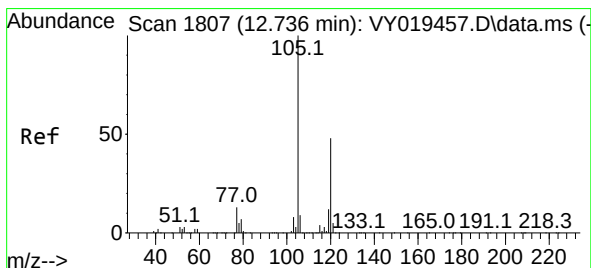
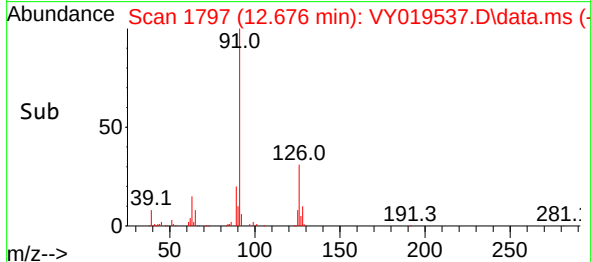
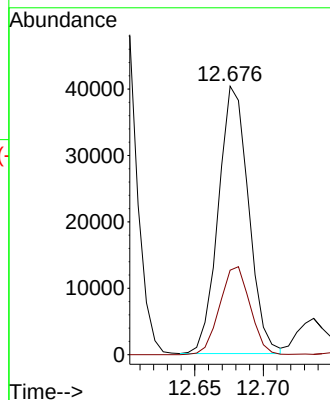
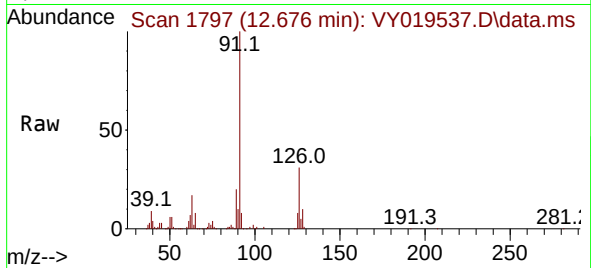




#79
2-Chlorotoluene
Concen: 4.452 ug/l
RT: 12.676 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

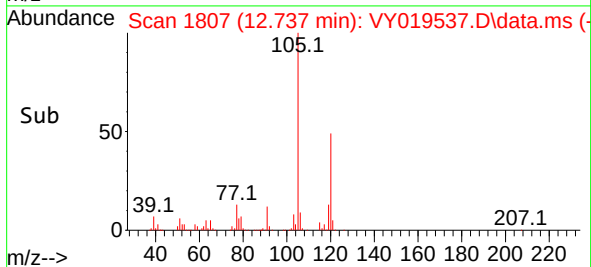
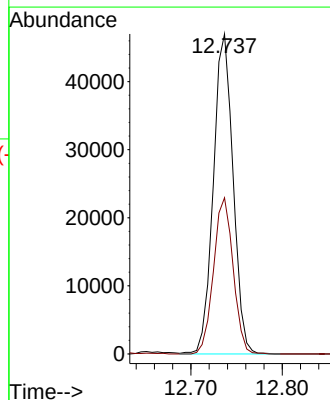
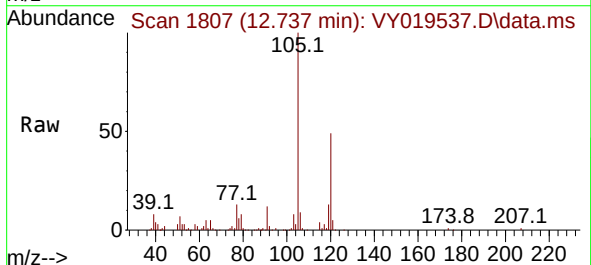
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

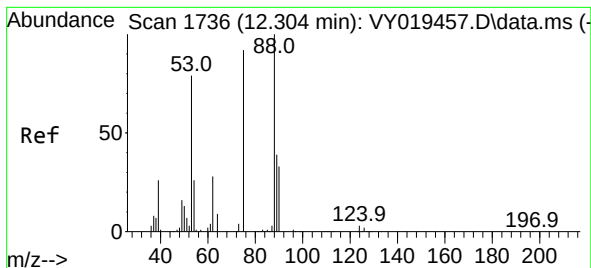
Tgt Ion: 91 Resp: 61868
Ion Ratio Lower Upper
91 100
126 33.1 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 4.310 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 105 Resp: 70499
Ion Ratio Lower Upper
105 100
120 48.4 25.1 75.2

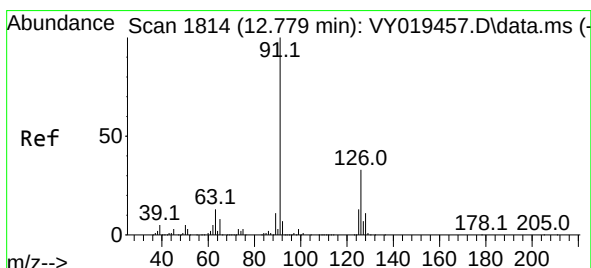
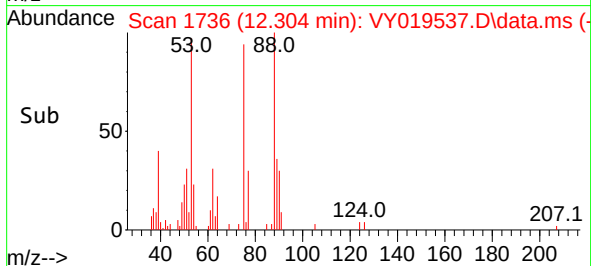
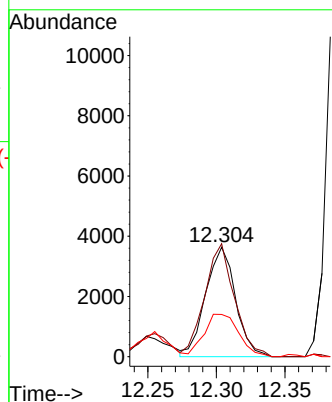
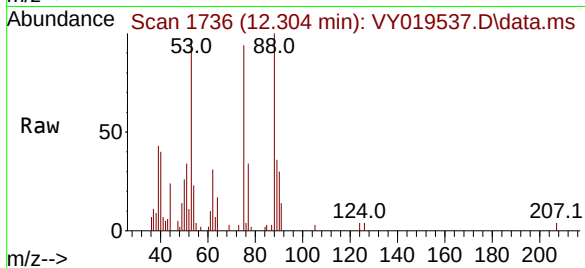




#81
trans-1,4-Dichloro-2-butene
Concen: 4.076 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

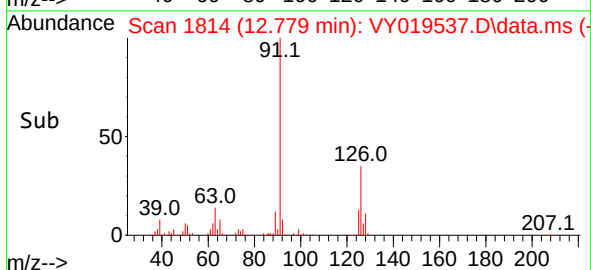
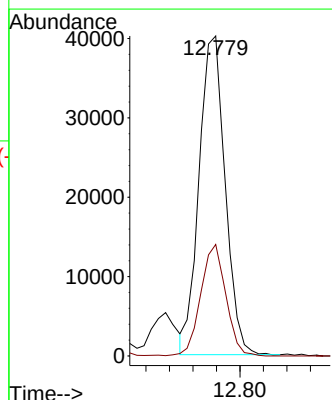
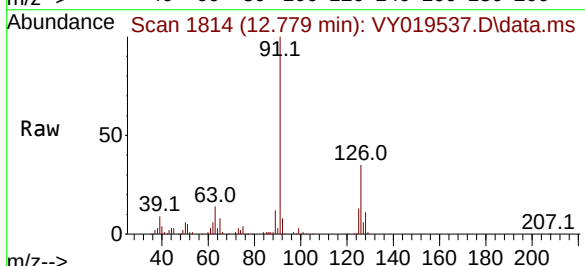
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

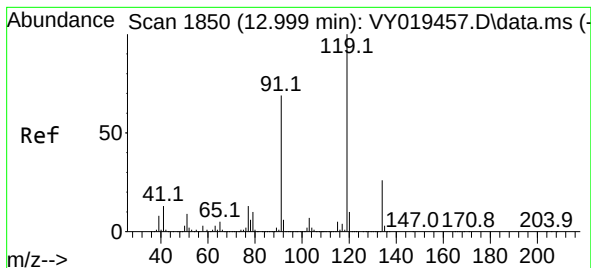
Tgt Ion: 75 Resp: 5519
Ion Ratio Lower Upper
75 100
53 102.9 66.8 100.2#
89 44.6 35.8 53.6



#82
4-Chlorotoluene
Concen: 4.331 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY019537.D
Acq: 13 Sep 2024 13:40

Tgt Ion: 91 Resp: 61877
Ion Ratio Lower Upper
91 100
126 33.8 17.6 52.9





#83

tert-Butylbenzene

Concen: 4.594 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

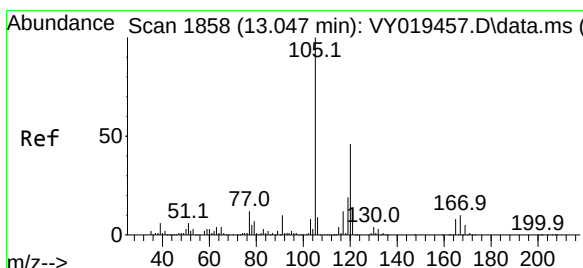
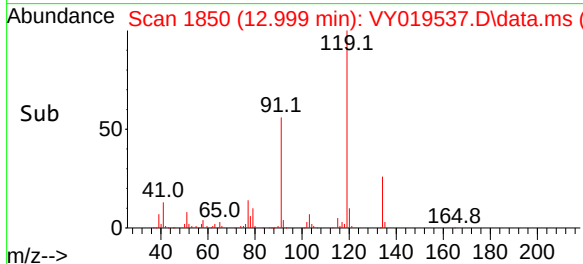
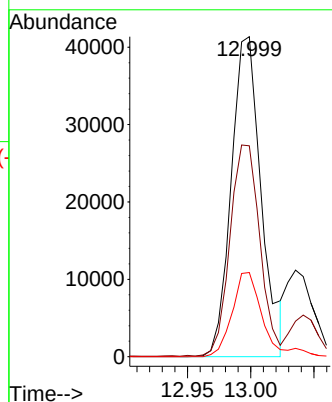
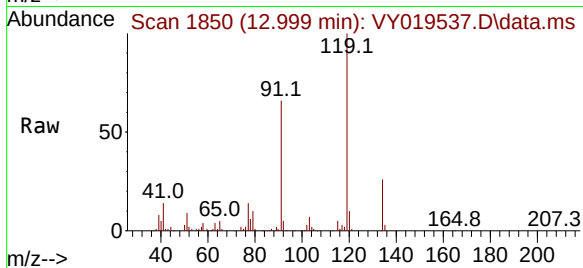
Tgt Ion:119 Resp: 68018

Ion Ratio Lower Upper

119 100

91 66.0 31.3 93.8

134 27.0 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 4.407 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019537.D

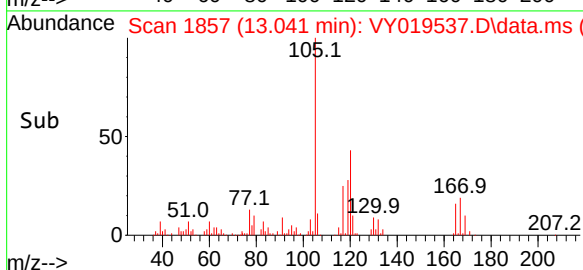
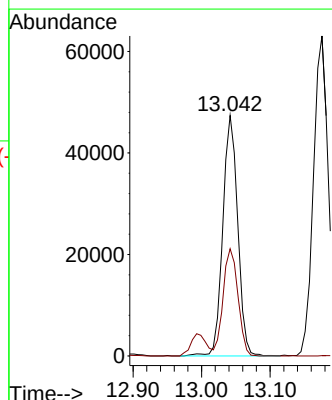
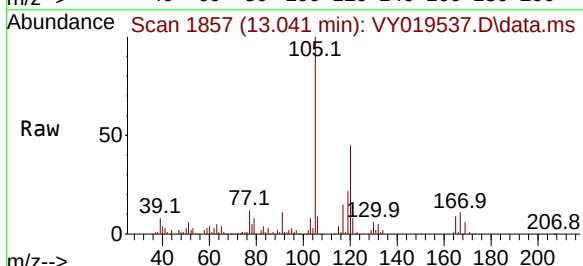
Acq: 13 Sep 2024 13:40

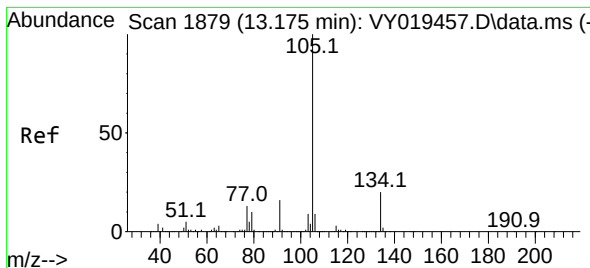
Tgt Ion:105 Resp: 71360

Ion Ratio Lower Upper

105 100

120 44.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 4.418 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

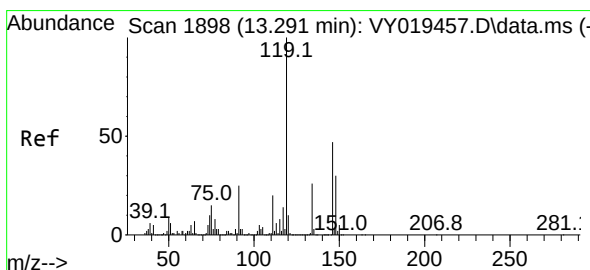
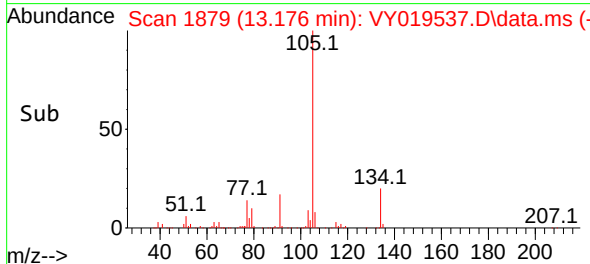
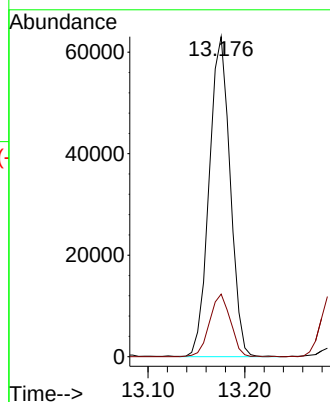
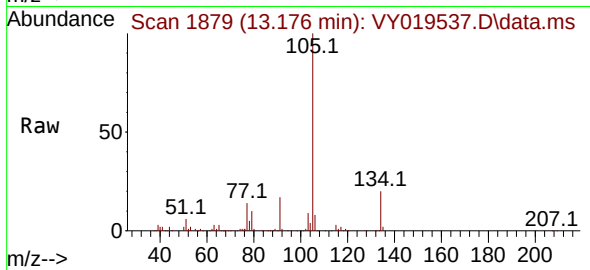
MDL-SOIL-03-QT3-2024

Tgt Ion:105 Resp: 95026

Ion Ratio Lower Upper

105 100

134 19.5 10.1 30.1



#86

p-Isopropyltoluene

Concen: 4.281 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

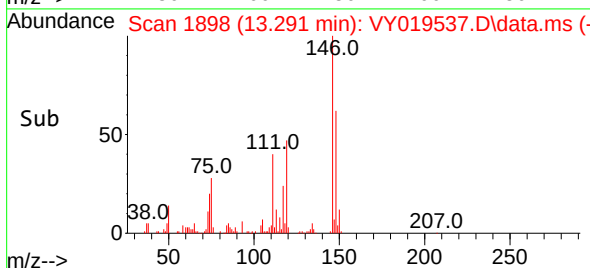
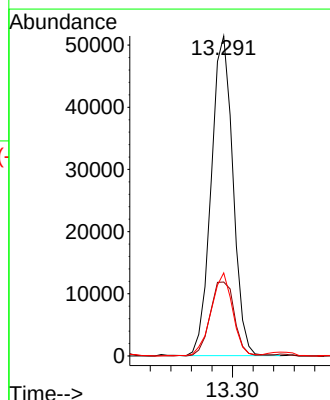
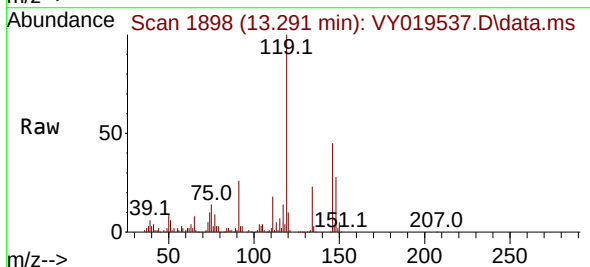
Tgt Ion:119 Resp: 75344

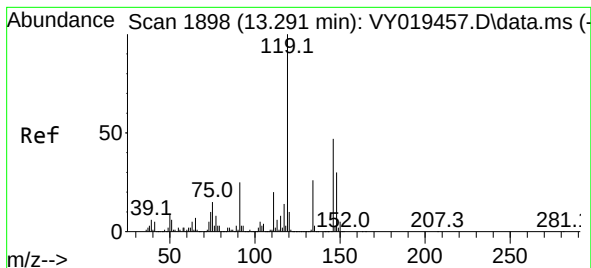
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 26.0 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 4.530 ug/l

RT: 13.285 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

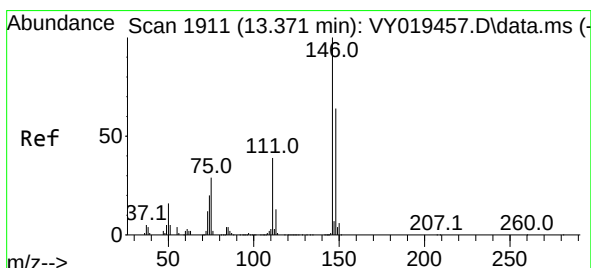
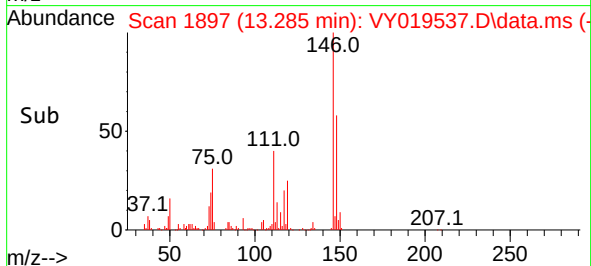
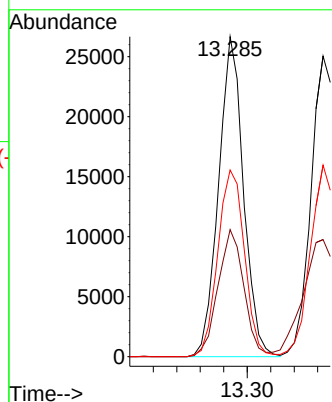
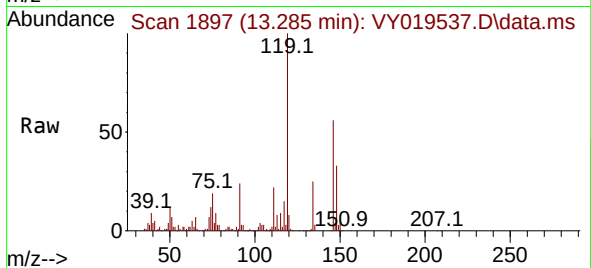
Tgt Ion:146 Resp: 39282

Ion Ratio Lower Upper

146 100

111 41.0 19.0 57.0

148 62.6 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 4.543 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

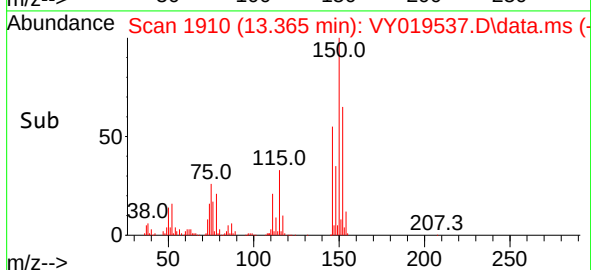
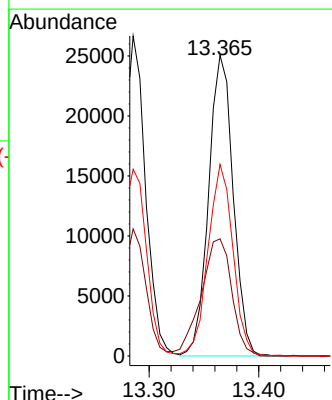
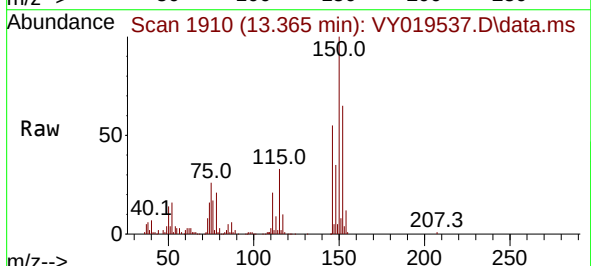
Tgt Ion:146 Resp: 39089

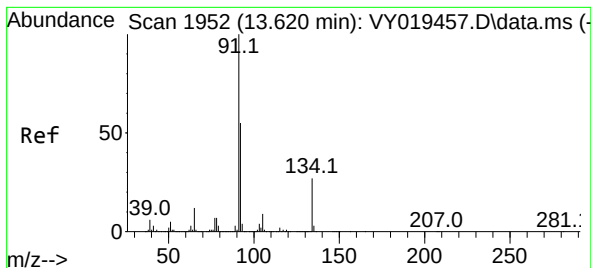
Ion Ratio Lower Upper

146 100

111 48.8 18.4 55.4

148 64.5 32.4 97.2





#89

n-Butylbenzene

Concen: 4.338 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

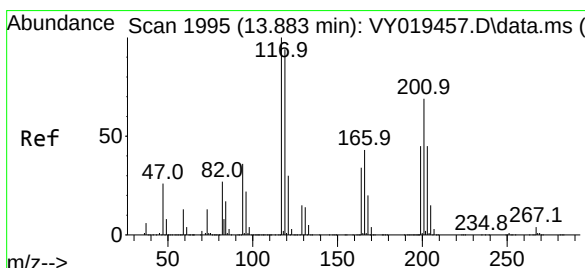
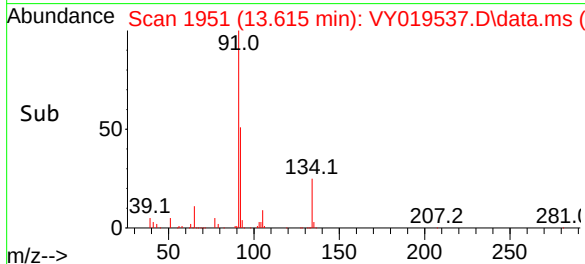
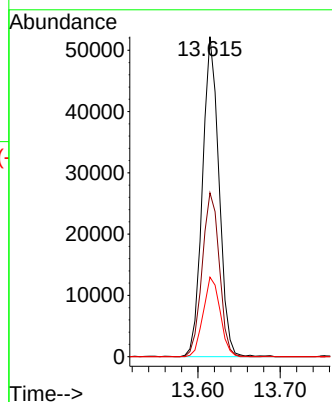
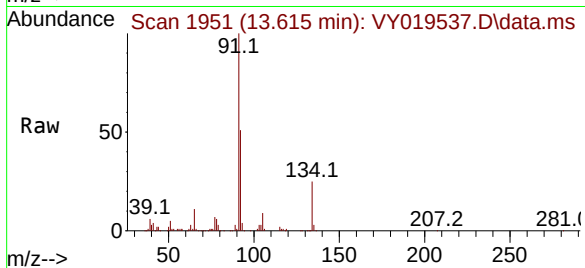
Tgt Ion: 91 Resp: 72990

Ion Ratio Lower Upper

91 100

92 53.2 26.6 79.7

134 25.5 12.9 38.7



#90

Hexachloroethane

Concen: 4.495 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY019537.D

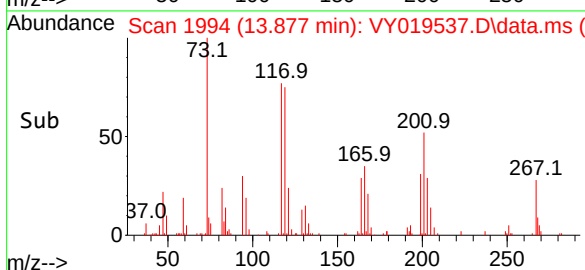
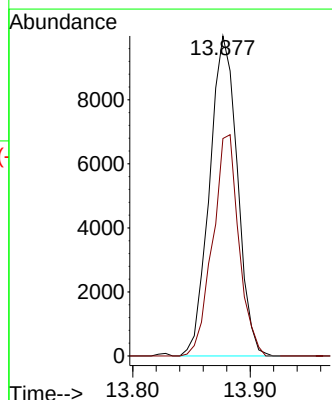
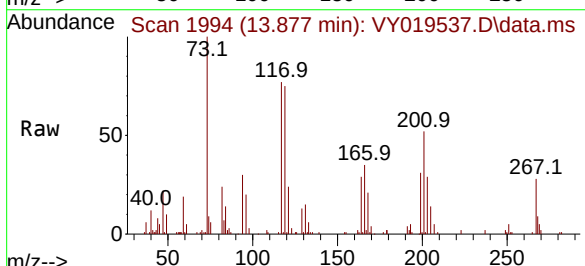
Acq: 13 Sep 2024 13:40

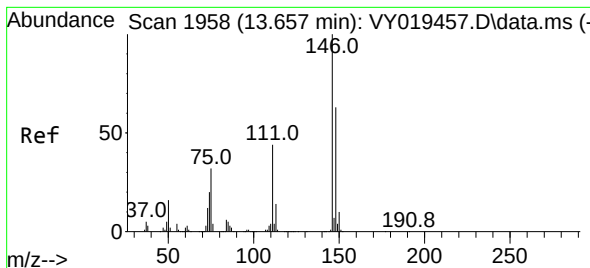
Tgt Ion: 117 Resp: 16459

Ion Ratio Lower Upper

117 100

201 65.1 37.4 112.2





#91

1,2-Dichlorobenzene

Concen: 4.604 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

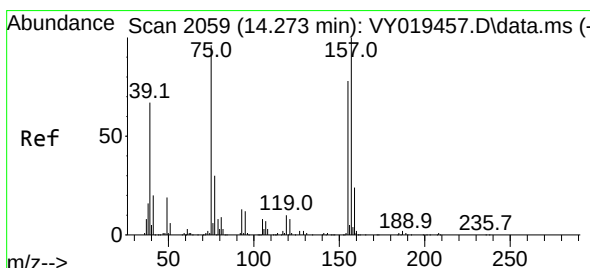
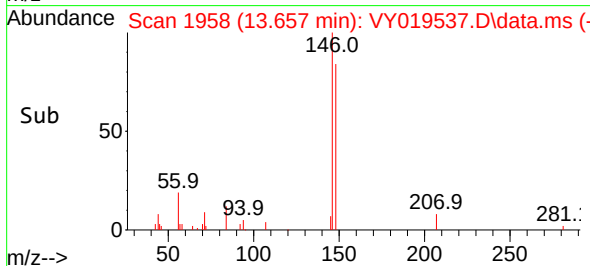
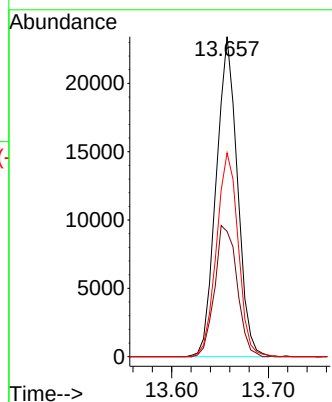
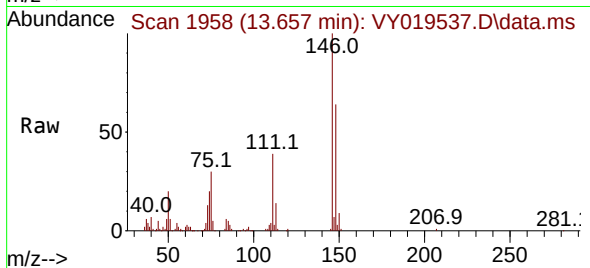
Tgt Ion:146 Resp: 35620

Ion Ratio Lower Upper

146 100

111 43.2 19.9 59.7

148 65.1 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.147 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

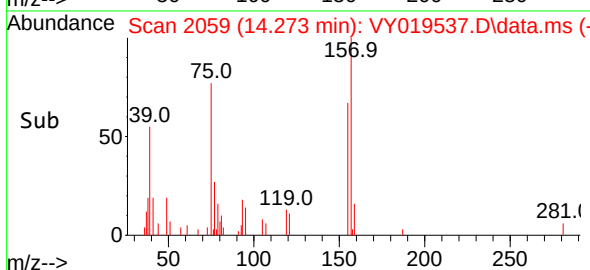
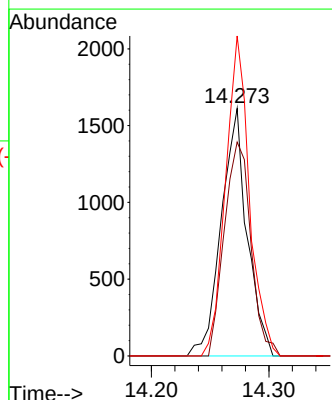
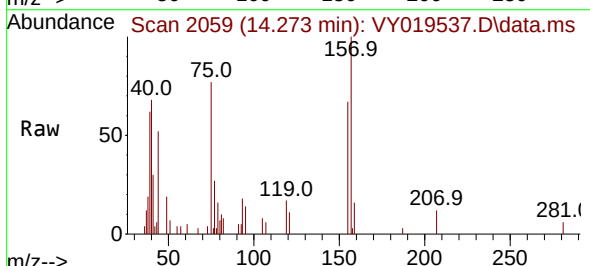
Tgt Ion: 75 Resp: 2468

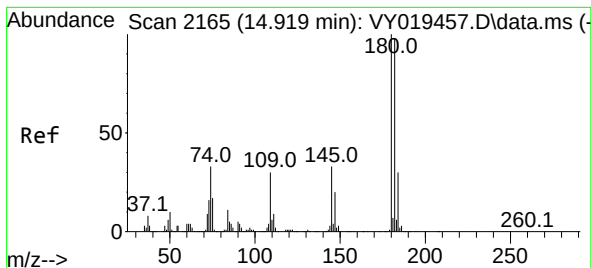
Ion Ratio Lower Upper

75 100

155 88.7 48.6 145.8

157 119.2 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 4.105 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

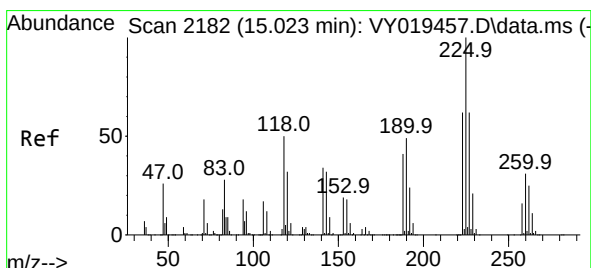
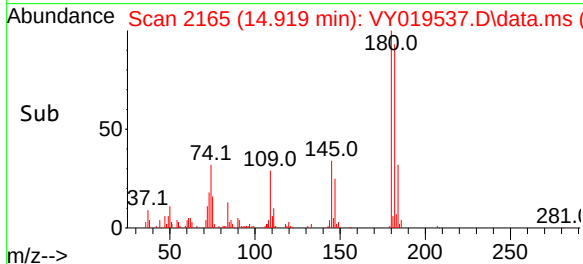
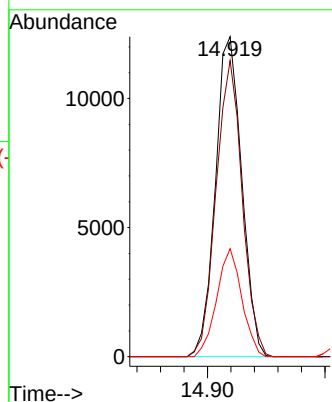
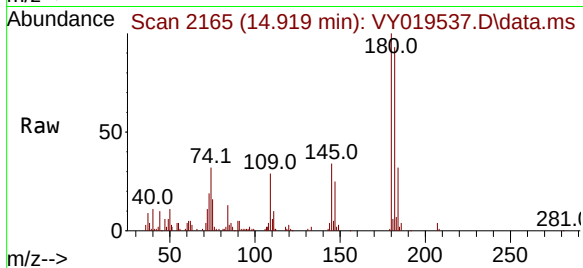
Tgt Ion:180 Resp: 19316

Ion Ratio Lower Upper

180 100

182 91.6 47.9 143.8

145 32.1 14.2 42.6



#94

Hexachlorobutadiene

Concen: 4.111 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

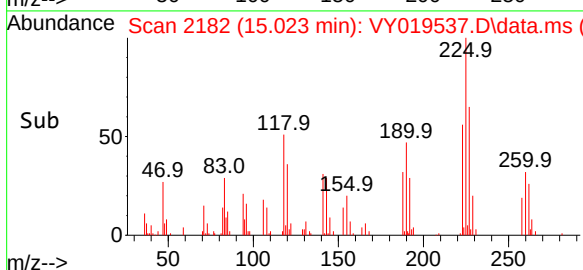
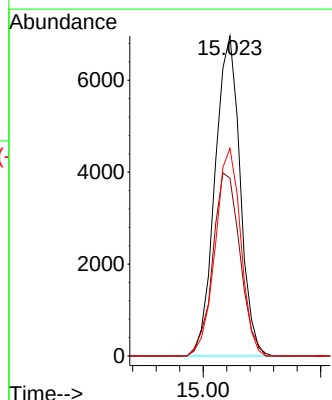
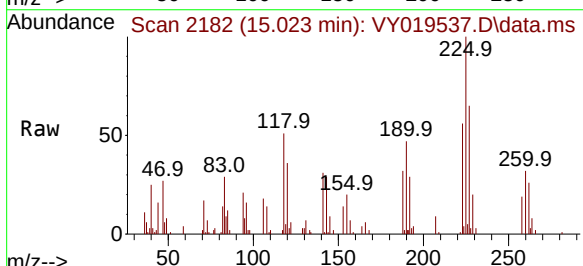
Tgt Ion:225 Resp: 10335

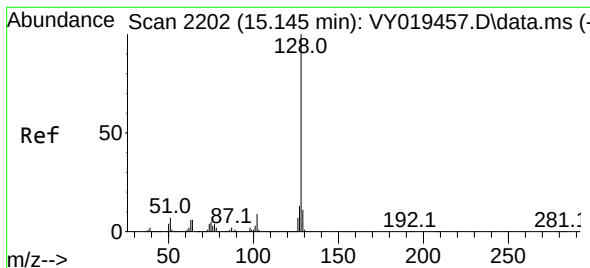
Ion Ratio Lower Upper

225 100

223 62.1 30.4 91.2

227 65.5 31.9 95.9





#95

Naphthalene

Concen: 4.002 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

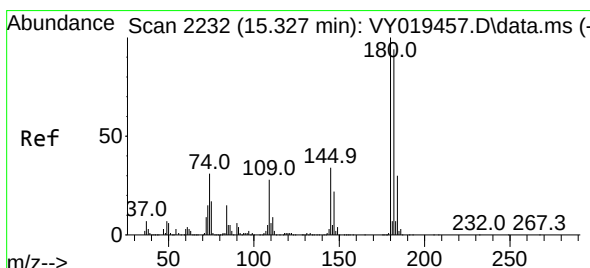
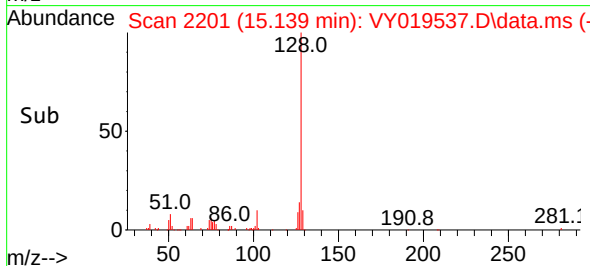
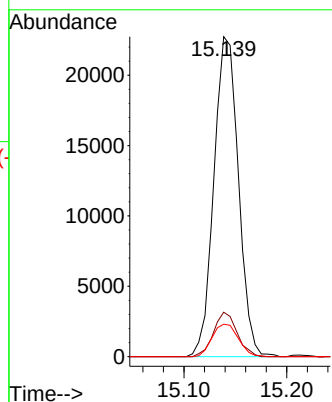
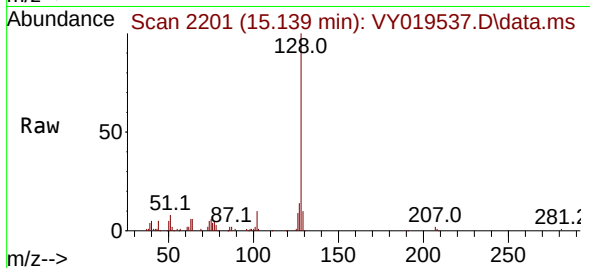
Tgt Ion:128 Resp: 37713

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 4.190 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY019537.D

Acq: 13 Sep 2024 13:40

Tgt Ion:180 Resp: 16867

Ion Ratio Lower Upper

180 100

182 93.1 47.6 142.9

145 34.4 15.4 46.1

