

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019536.D
 Acq On : 13 Sep 2024 12:55
 Operator : SY/MD
 Sample : P3390-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 13 23:16:43 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	435946	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	771089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	636833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	230011	56.979	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.960%	
35) Dibromofluoromethane	7.634	113	230427	52.706	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.420%	
50) Toluene-d8	10.109	98	850413	52.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.180%	
62) 4-Bromofluorobenzene	12.408	95	289985	46.638	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 93.280%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	6023	2.185	ug/l	96
3) Chloromethane	2.074	50	6933	1.922	ug/l	99
4) Vinyl Chloride	2.208	62	7948	2.038	ug/l	91
5) Bromomethane	2.598	94	7153	2.986	ug/l	99
6) Chloroethane	2.739	64	6105	2.394	ug/l	# 84
7) Trichlorofluoromethane	3.062	101	15635	2.405	ug/l	92
8) Diethyl Ether	3.458	74	4764	2.183	ug/l	59
9) 1,1,2-Trichlorotrifluo...	3.812	101	9887	2.458	ug/l	97
10) Methyl Iodide	4.007	142	9846	1.909	ug/l	96
11) Tert butyl alcohol	4.866	59	5152	15.804	ug/l	# 85
12) 1,1-Dichloroethene	3.787	96	7949	2.055	ug/l	92
13) Acrolein	3.647	56	5113	29.249	ug/l	97
14) Allyl chloride	4.379	41	15276	2.202	ug/l	# 90
15) Acrylonitrile	5.061	53	12287	13.058	ug/l	96
16) Acetone	3.873	43	10224	10.631	ug/l	# 76
17) Carbon Disulfide	4.104	76	10465	1.001	ug/l	98
18) Methyl Acetate	4.385	43	9355	3.585	ug/l	90
19) Methyl tert-butyl Ether	5.110	73	28947	2.642	ug/l	96
20) Methylene Chloride	4.622	84	21438	4.888	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	8859	2.090	ug/l	82
22) Diisopropyl ether	6.018	45	36295	2.548	ug/l	# 86
23) Vinyl Acetate	5.958	43	117507	14.443	ug/l	94
24) 1,1-Dichloroethane	5.915	63	19097	2.389	ug/l	95
25) 2-Butanone	6.896	43	15984	11.686	ug/l	# 80
26) 2,2-Dichloropropane	6.884	77	18989	2.634	ug/l	# 74
27) cis-1,2-Dichloroethene	6.884	96	12965	2.518	ug/l	91
28) Bromochloromethane	7.244	49	9476	2.818	ug/l	85
29) Tetrahydrofuran	7.262	42	10636	12.789	ug/l	# 82
30) Chloroform	7.408	83	23196	2.843	ug/l	97
31) Cyclohexane	7.701	56	20724	2.869	ug/l	# 57
32) 1,1,1-Trichloroethane	7.616	97	18945	2.590	ug/l	95
36) 1,1-Dichloropropene	7.835	75	12702	2.135	ug/l	96
37) Ethyl Acetate	6.970	43	7246	2.377	ug/l	# 73
38) Carbon Tetrachloride	7.817	117	15761	2.349	ug/l	97
39) Methylcyclohexane	9.103	83	12530	1.583	ug/l	89
40) Benzene	8.079	78	40803	2.227	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019536.D
 Acq On : 13 Sep 2024 12:55
 Operator : SY/MD
 Sample : P3390-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 13 23:16:43 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)
41) Methacrylonitrile	7.219	41	4103	2.309	ug/l	92
42) 1,2-Dichloroethane	8.158	62	12501	2.535	ug/l	98
43) Isopropyl Acetate	8.195	43	15776	2.464	ug/l	91
44) Trichloroethene	8.859	130	10524	2.233	ug/l	99
45) 1,2-Dichloropropane	9.140	63	11639	2.598	ug/l	94
46) Dibromomethane	9.225	93	6239	2.547	ug/l	91
47) Bromodichloromethane	9.420	83	16493	2.505	ug/l	99
48) Methyl methacrylate	9.219	41	6659	2.202	ug/l #	83
49) 1,4-Dioxane	9.237	88	1634	56.662	ug/l #	68
51) 4-Methyl-2-Pentanone	9.999	43	39580	12.285	ug/l	89
52) Toluene	10.170	92	26286	2.231	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	15076	2.402	ug/l	92
54) cis-1,3-Dichloropropene	9.859	75	17039	2.331	ug/l #	83
55) 1,1,2-Trichloroethane	10.573	97	8810	2.604	ug/l	90
56) Ethyl methacrylate	10.445	69	11795	2.295	ug/l #	75
57) 1,3-Dichloropropane	10.719	76	14846	2.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	28755	12.056	ug/l	95
59) 2-Hexanone	10.762	43	27104	11.475	ug/l	86
60) Dibromochloromethane	10.914	129	11346	2.535	ug/l	99
61) 1,2-Dibromoethane	11.012	107	7468	2.369	ug/l	99
64) Tetrachloroethene	10.646	164	9077	2.302	ug/l	90
65) Chlorobenzene	11.444	112	31727	2.533	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	11643	2.684	ug/l	99
67) Ethyl Benzene	11.518	91	55003	2.471	ug/l	98
68) m/p-Xylenes	11.633	106	41210	4.896	ug/l	93
69) o-Xylene	11.956	106	20478	2.488	ug/l	95
70) Styrene	11.969	104	32601	2.346	ug/l	94
71) Bromoform	12.133	173	6918	2.793	ug/l #	99
73) Isopropylbenzene	12.255	105	55057	2.677	ug/l	96
74) N-amyl acetate	12.072	43	14608	2.612	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	10102	2.768	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	13474	5.071	ug/l #	100
77) Bromobenzene	12.530	156	12105	2.654	ug/l	88
78) n-propylbenzene	12.597	91	64367	2.641	ug/l	98
79) 2-Chlorotoluene	12.682	91	38872	2.736	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	43588	2.607	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.408	75	156233	112.883	ug/l #	16
82) 4-Chlorotoluene	12.779	91	41094	2.814	ug/l	94
83) tert-Butylbenzene	12.999	119	41199	2.722	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	42887	2.592	ug/l	100
85) sec-Butylbenzene	13.176	105	58279	2.651	ug/l	99
86) p-Isopropyltoluene	13.292	119	46544	2.587	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	24300	2.742	ug/l	98
88) 1,4-Dichlorobenzene	13.285	146	24300	2.763	ug/l	97
89) n-Butylbenzene	13.615	91	43902	2.553	ug/l	99
90) Hexachloroethane	13.877	117	10610	2.835	ug/l	87
91) 1,2-Dichlorobenzene	13.657	146	21939	2.774	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1669	2.744	ug/l	84
93) 1,2,4-Trichlorobenzene	14.919	180	11908	2.476	ug/l	94
94) Hexachlorobutadiene	15.023	225	6603	2.570	ug/l	94
95) Naphthalene	15.145	128	23612	2.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	10201	2.479	ug/l	96

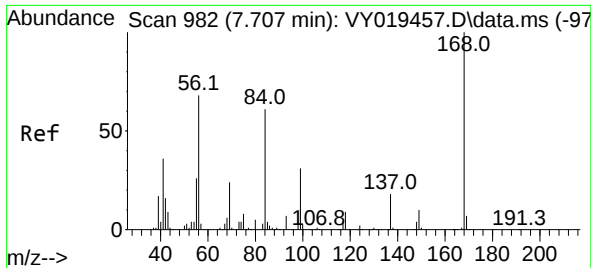
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
Data File : VY019536.D
Acq On : 13 Sep 2024 12:55
Operator : SY/MD
Sample : P3390-03 2.5PPB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 13 23:16:43 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)
----------	------	------	----------	------	-------	----------

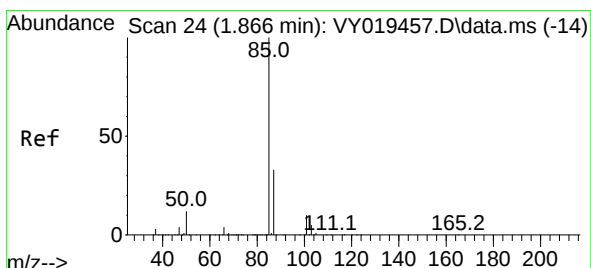
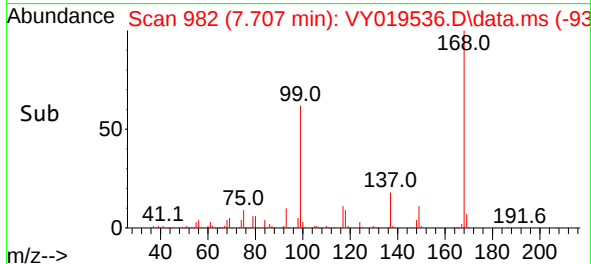
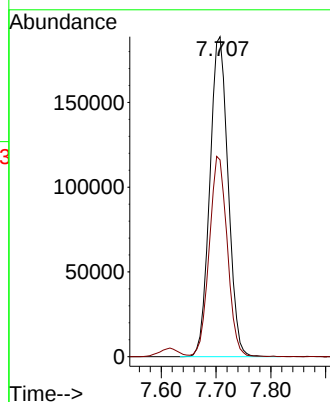
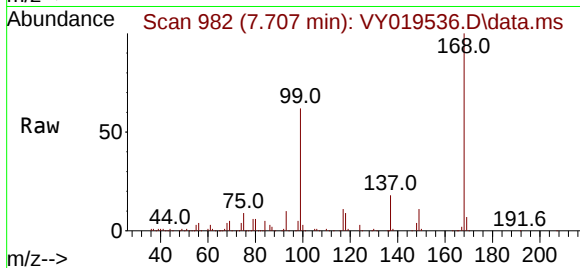
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

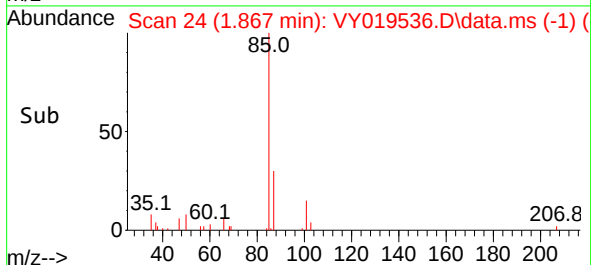
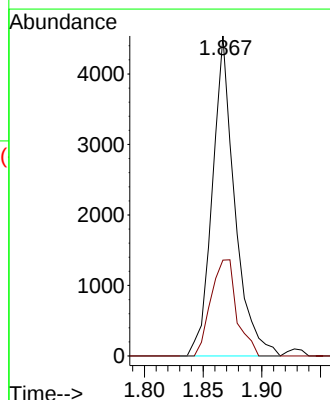
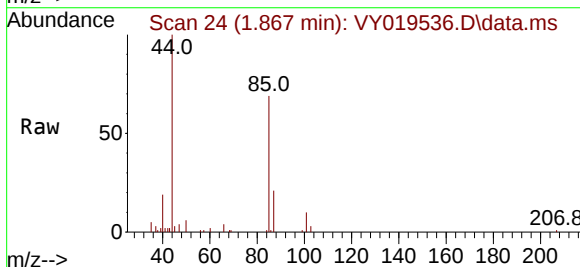
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

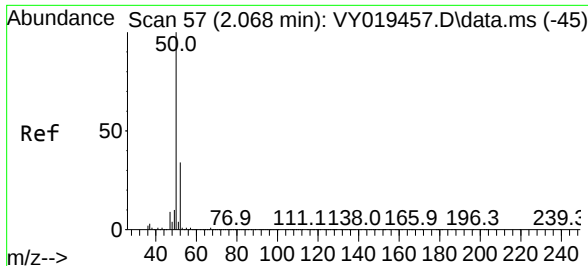
Tgt Ion:168 Resp: 435946
Ion Ratio Lower Upper
168 100
99 61.5 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: 2.185 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 85 Resp: 6023
Ion Ratio Lower Upper
85 100
87 29.9 16.0 48.0

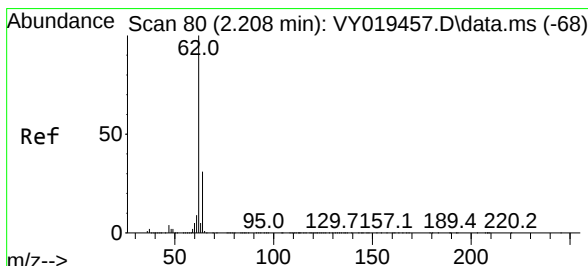
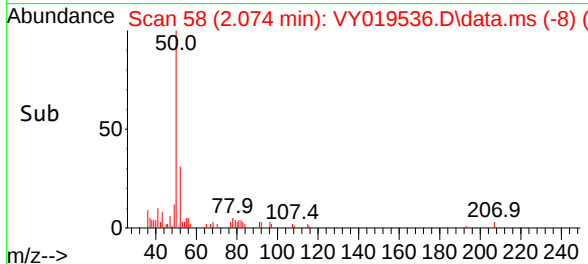
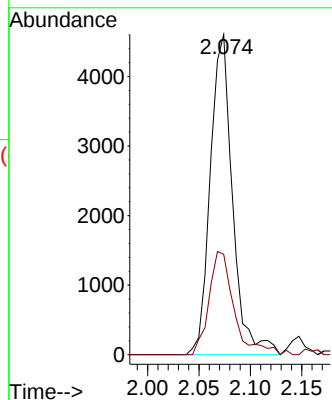
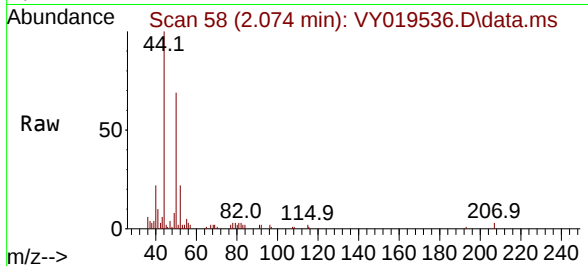




#3
Chloromethane
Concen: 1.922 ug/l
RT: 2.074 min Scan# 57
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

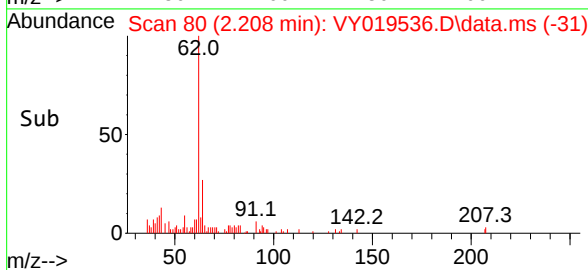
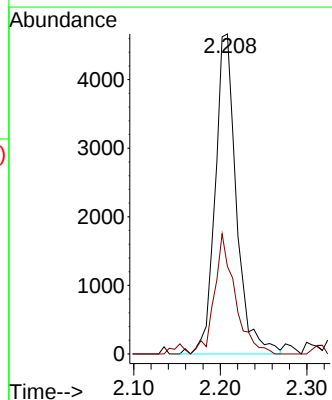
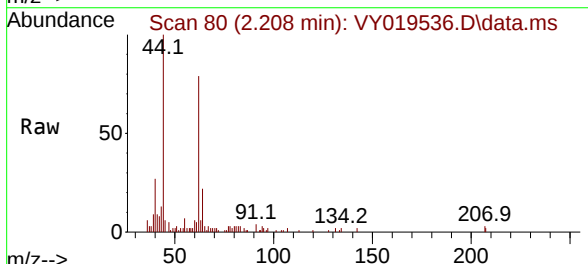
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

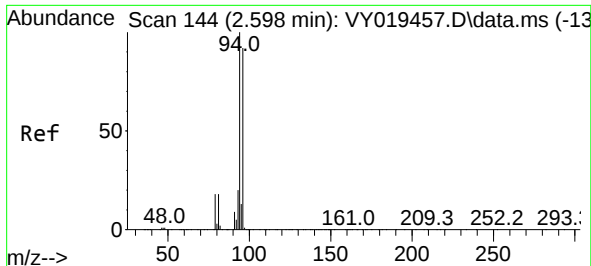
Tgt Ion: 50 Resp: 6933
Ion Ratio Lower Upper
50 100
52 31.4 25.6 38.4



#4
Vinyl Chloride
Concen: 2.038 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 62 Resp: 7948
Ion Ratio Lower Upper
62 100
64 27.3 26.1 39.1

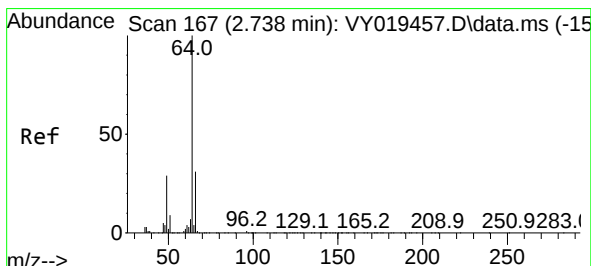
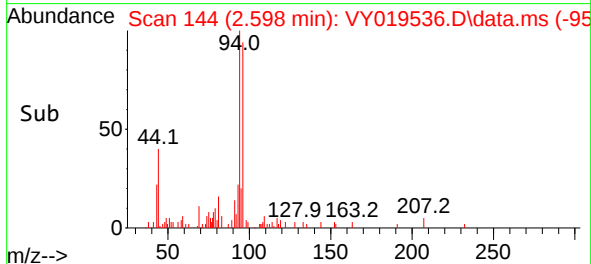
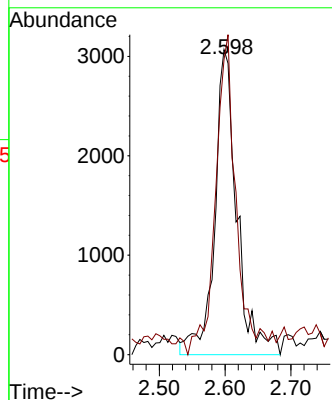
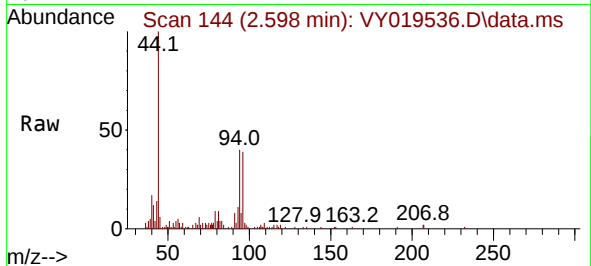




#5
Bromomethane
Concen: 2.986 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

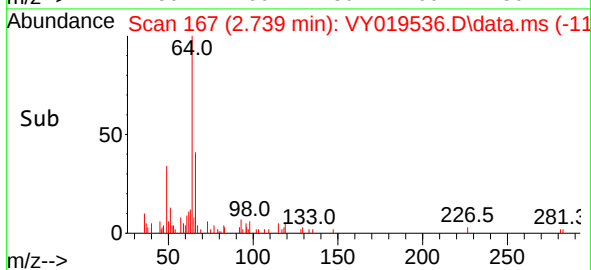
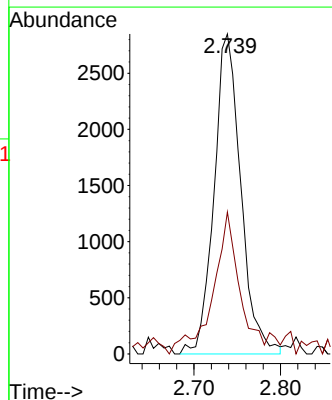
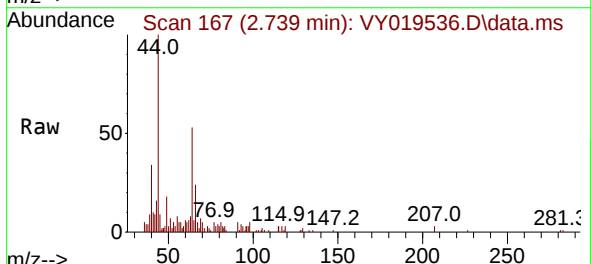
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

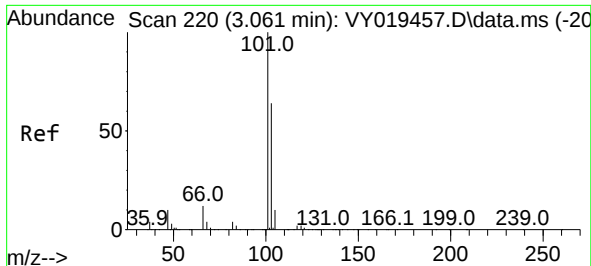
Tgt Ion: 94 Resp: 7153
Ion Ratio Lower Upper
94 100
96 91.3 74.1 111.1



#6
Chloroethane
Concen: 2.394 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 64 Resp: 6105
Ion Ratio Lower Upper
64 100
66 41.6 26.1 39.1#

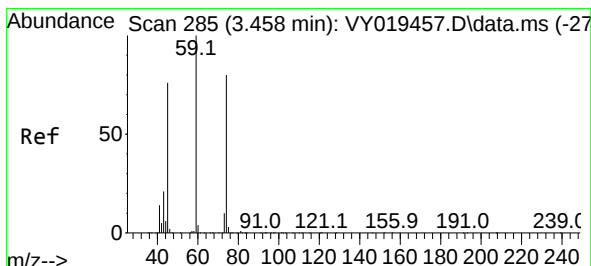
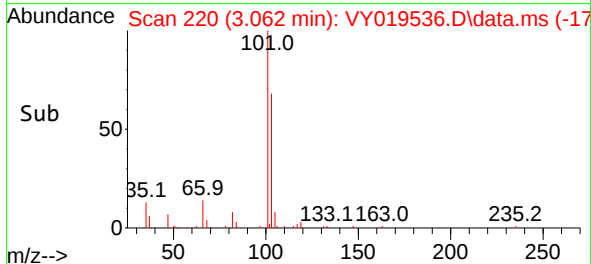
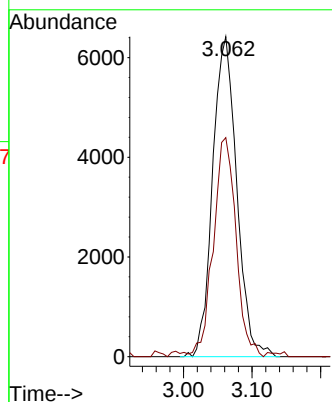
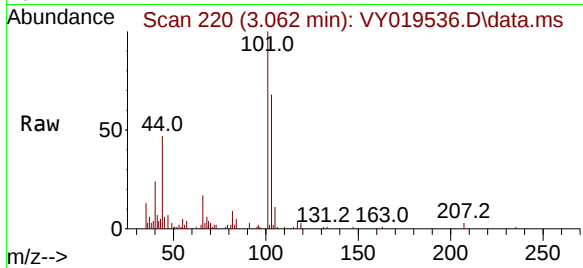




#7
 Trichlorofluoromethane
 Concen: 2.405 ug/l
 RT: 3.062 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

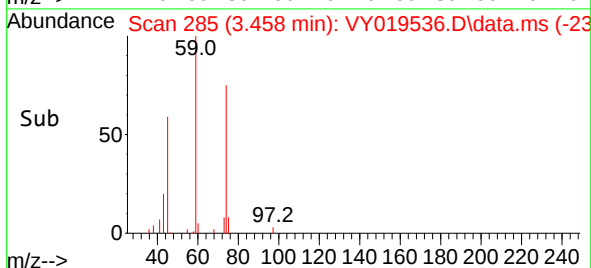
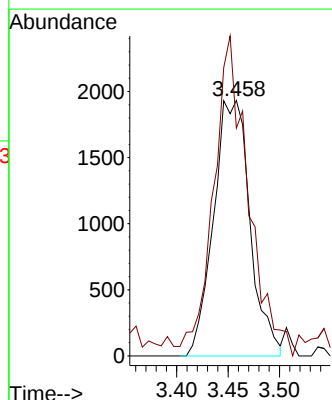
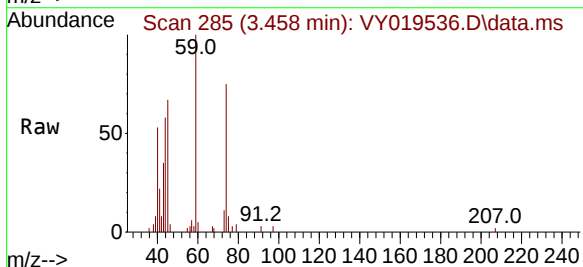
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

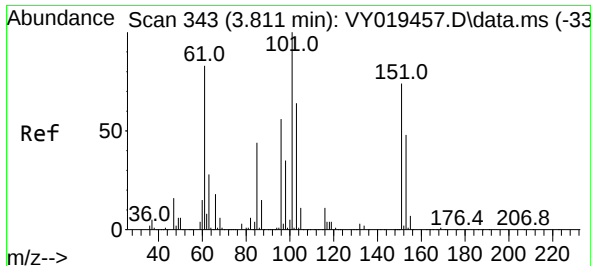
Tgt Ion:101 Resp: 15635
 Ion Ratio Lower Upper
 101 100
 103 67.6 49.3 73.9



#8
 Diethyl Ether
 Concen: 2.183 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

Tgt Ion: 74 Resp: 4764
 Ion Ratio Lower Upper
 74 100
 45 119.2 41.3 124.1

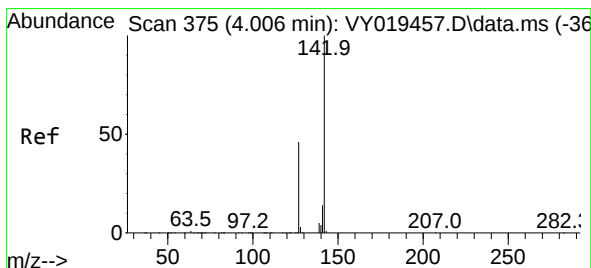
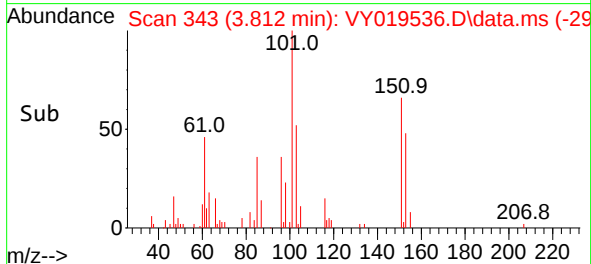
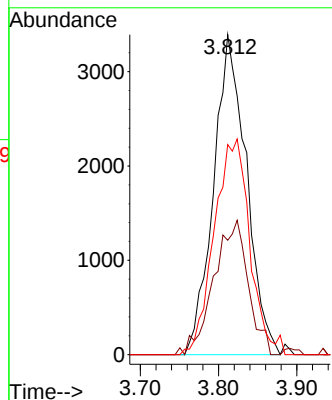
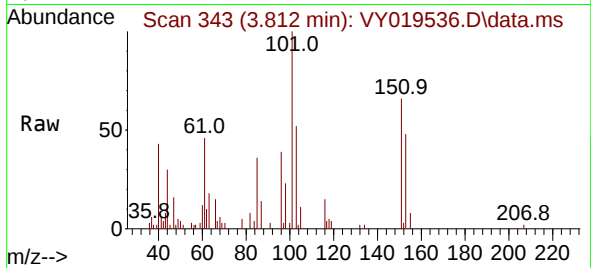




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.458 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

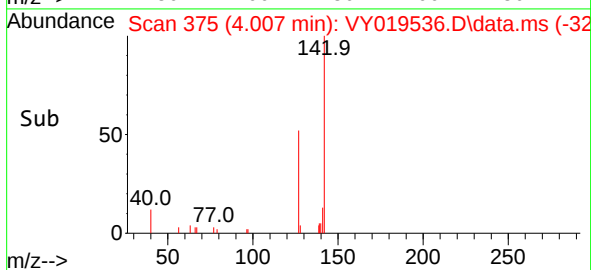
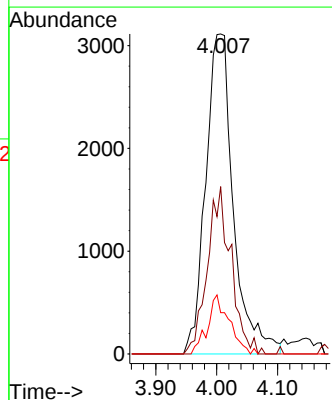
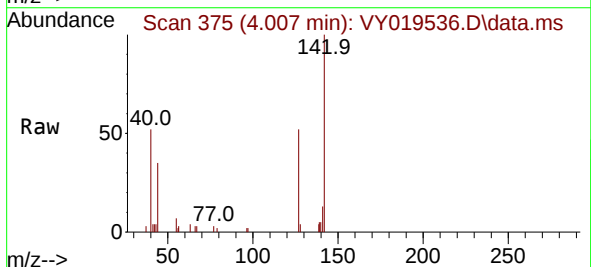
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

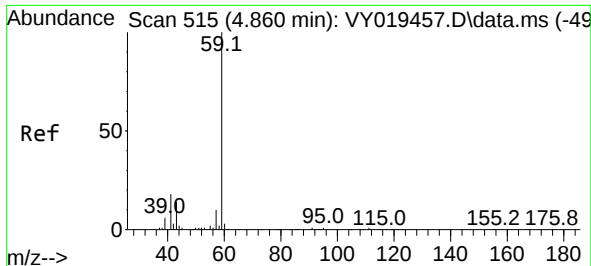
Tgt Ion:101 Resp: 9887
Ion Ratio Lower Upper
101 100
85 43.8 34.5 51.7
151 73.1 61.7 92.5



#10
Methyl Iodide
Concen: 1.909 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion:142 Resp: 9846
Ion Ratio Lower Upper
142 100
127 44.6 32.8 49.2
141 14.5 11.4 17.2

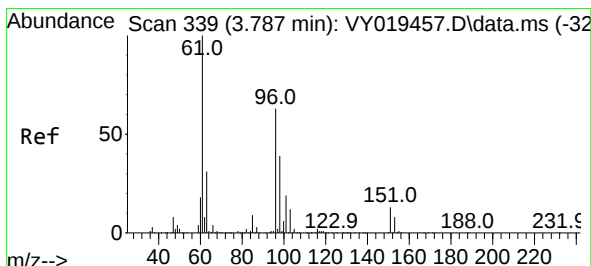
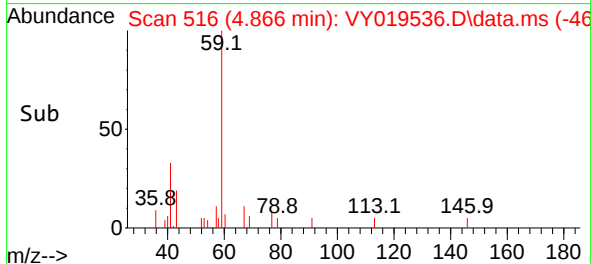
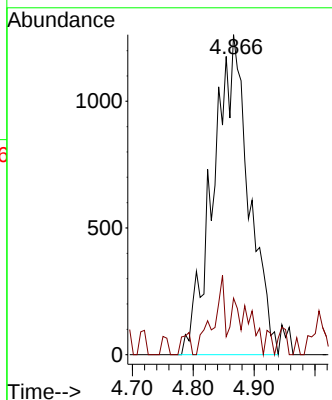
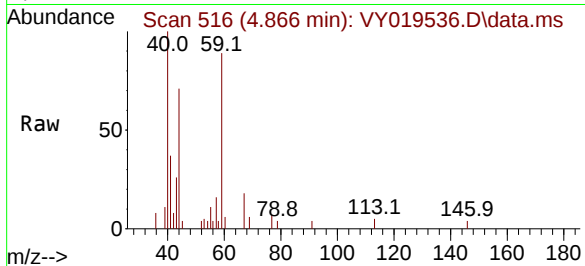




#11
Tert butyl alcohol
Concen: 15.804 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

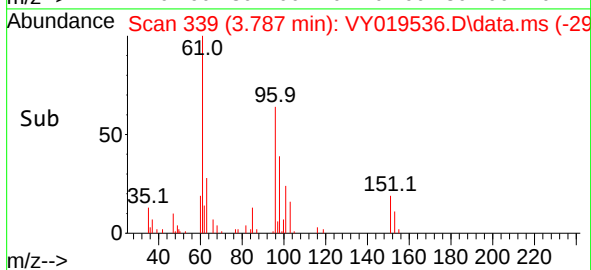
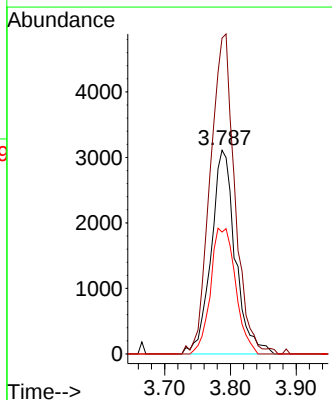
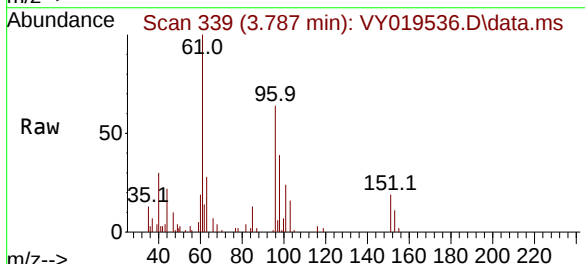
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

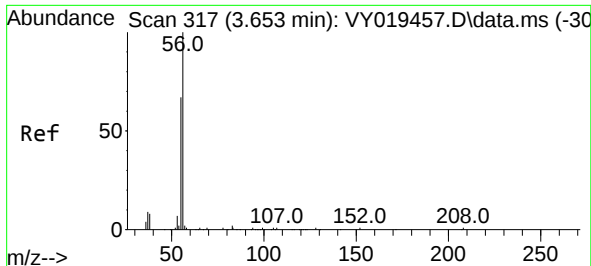
Tgt Ion: 59 Resp: 5152
Ion Ratio Lower Upper
59 100
57 8.6 3.0 4.6#



#12
1,1-Dichloroethene
Concen: 2.055 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 96 Resp: 7949
Ion Ratio Lower Upper
96 100
61 155.1 114.6 171.8
98 59.9 50.8 76.2





#13

Acrolein

Concen: 29.249 ug/l

RT: 3.647 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

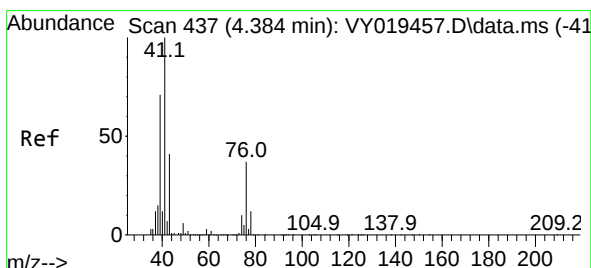
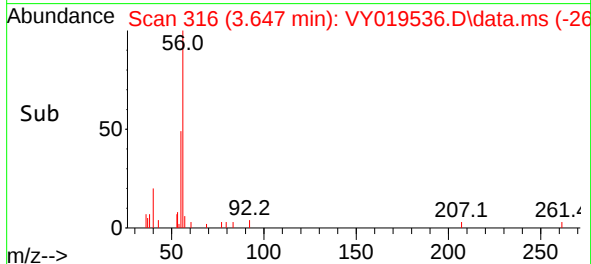
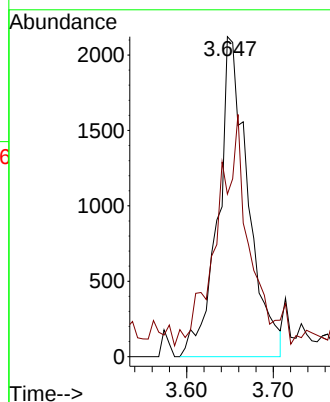
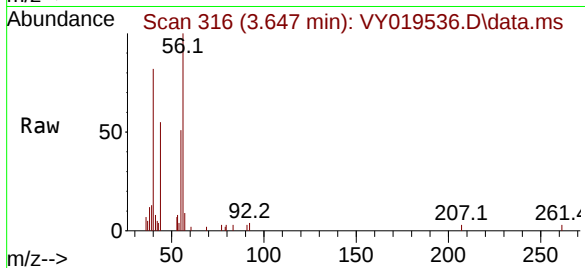
MDL-SOIL-03-QT3-2024

Tgt Ion: 56 Resp: 5113

Ion Ratio Lower Upper

56 100

55 67.0 55.7 83.5



#14

Allyl chloride

Concen: 2.202 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

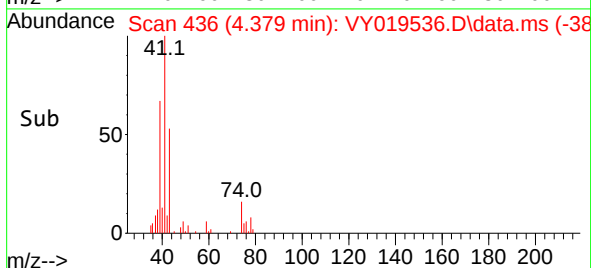
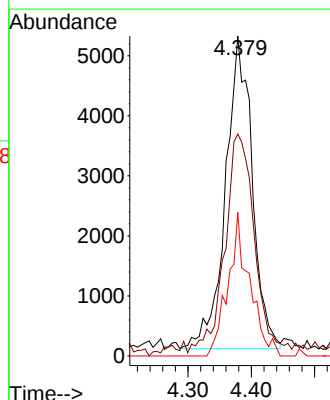
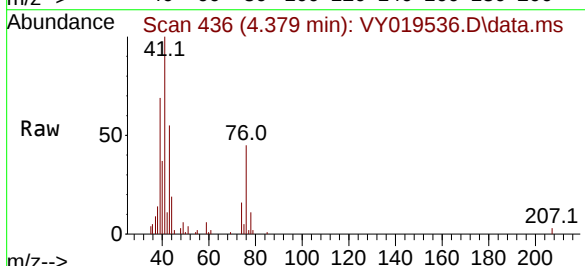
Tgt Ion: 41 Resp: 15276

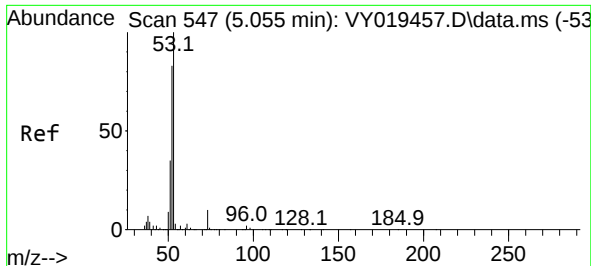
Ion Ratio Lower Upper

41 100

39 77.8 58.3 87.5

76 37.0 39.0 58.6#

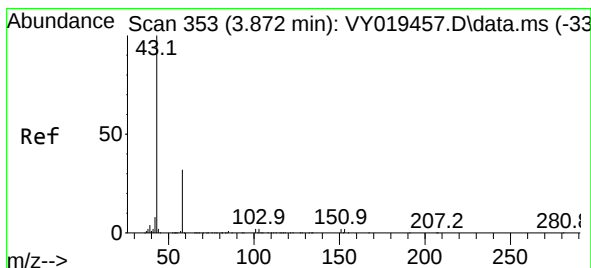
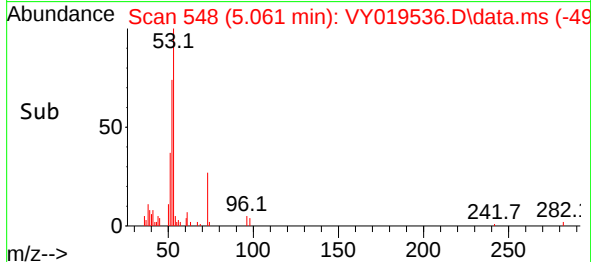
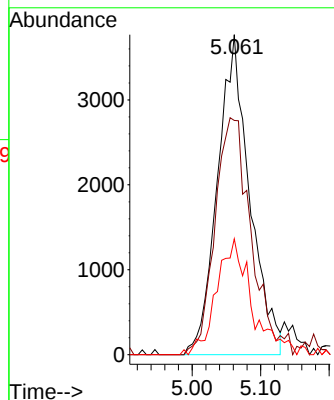
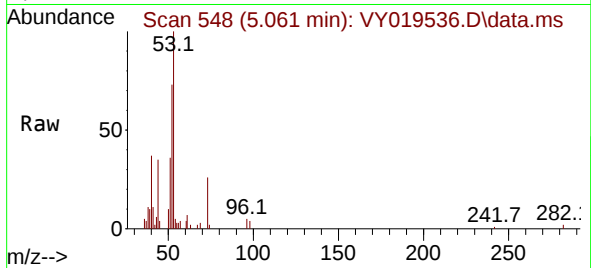




#15
Acrylonitrile
Concen: 13.058 ug/l
RT: 5.061 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

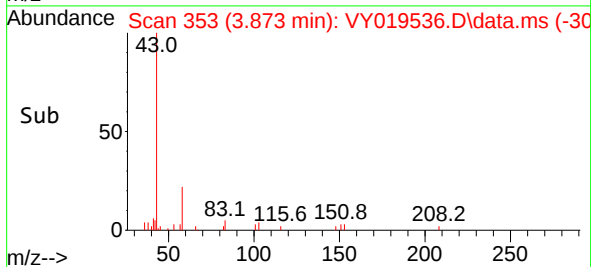
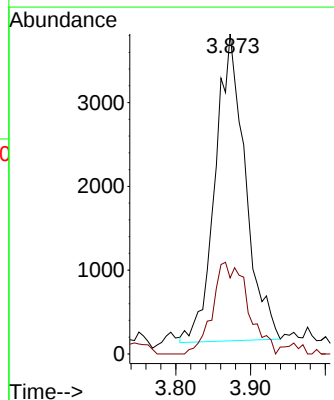
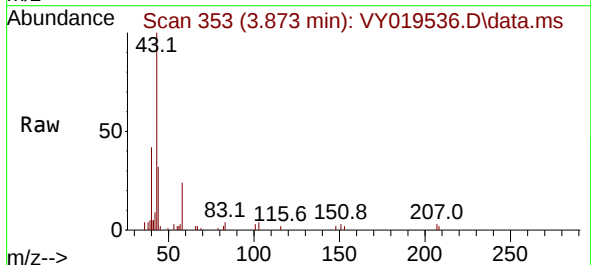
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

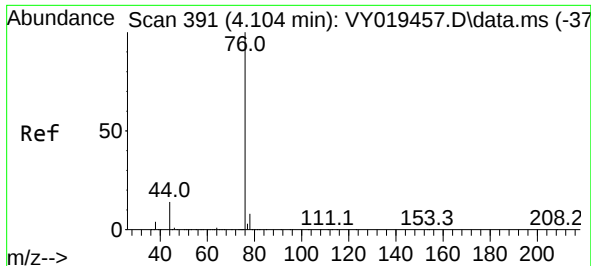
Tgt Ion: 53 Resp: 12287
Ion Ratio Lower Upper
53 100
52 83.8 64.7 97.1
51 39.3 28.4 42.6



#16
Acetone
Concen: 10.631 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 43 Resp: 10224
Ion Ratio Lower Upper
43 100
58 24.9 31.7 47.5#

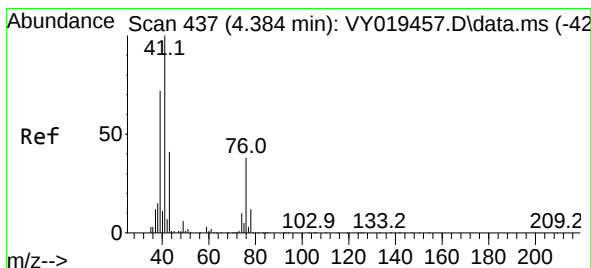
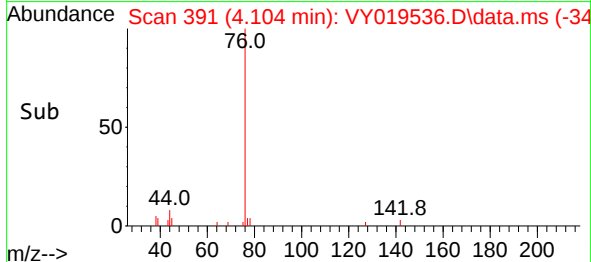
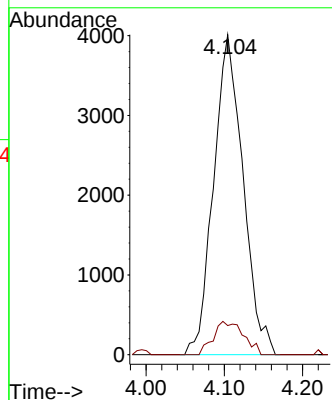
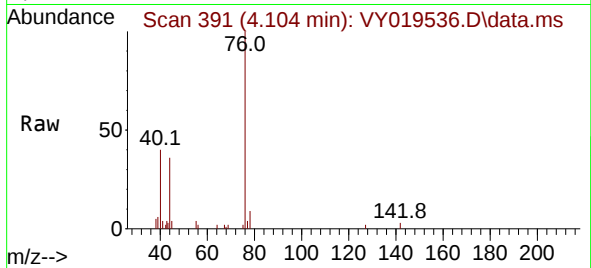




#17
Carbon Disulfide
Concen: 1.001 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

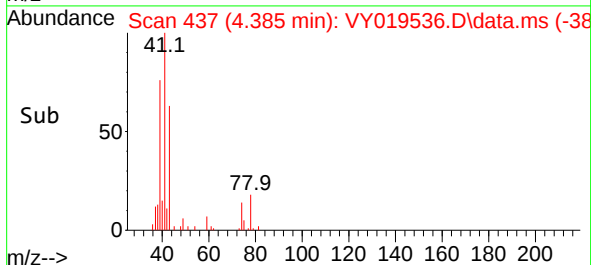
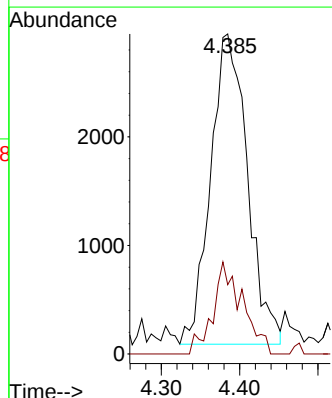
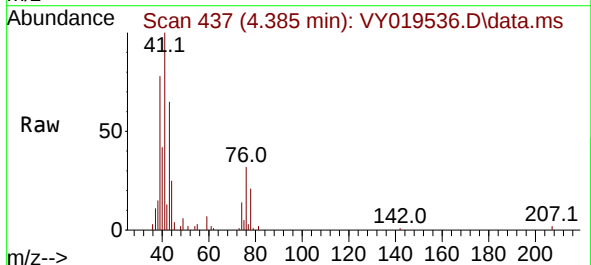
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2024

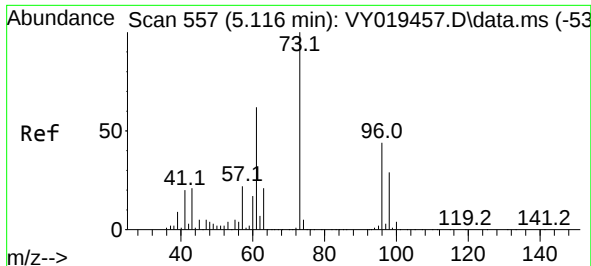
Tgt Ion: 76 Resp: 10465
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2



#18
Methyl Acetate
Concen: 3.585 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 43 Resp: 9355
Ion Ratio Lower Upper
43 100
74 23.8 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 2.642 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

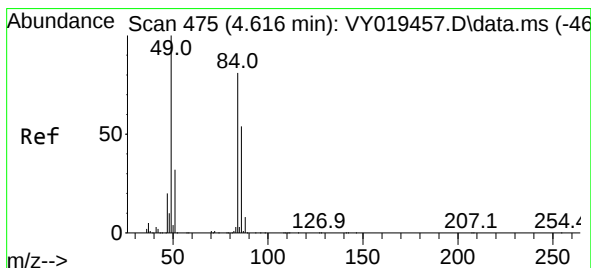
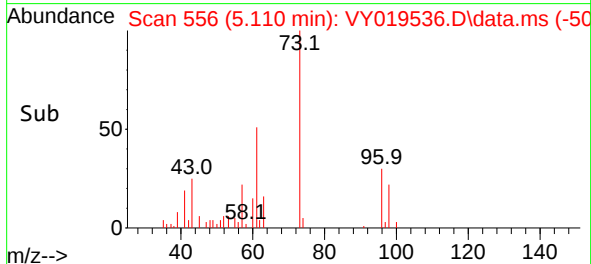
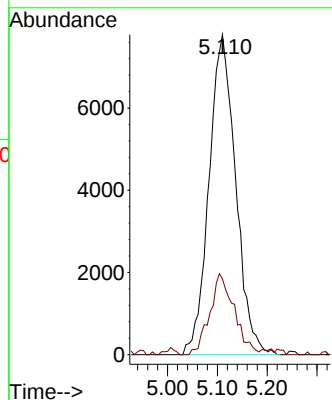
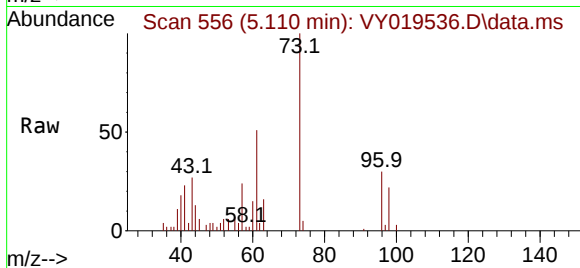
MDL-SOIL-03-QT3-2024

Tgt Ion: 73 Resp: 28947

Ion Ratio Lower Upper

73 100

57 23.7 17.3 25.9



#20

Methylene Chloride

Concen: 4.888 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion: 84 Resp: 21438

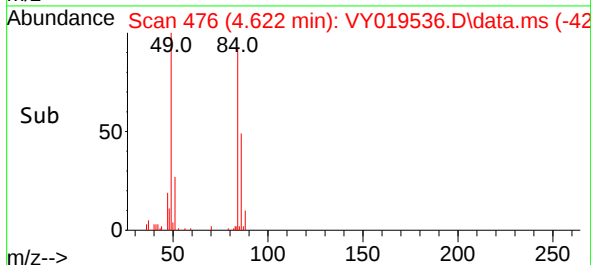
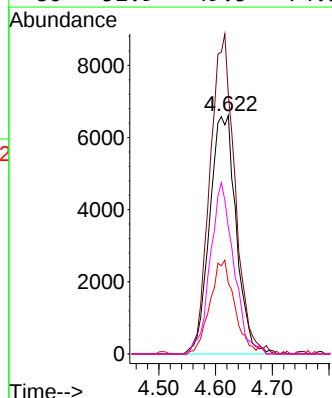
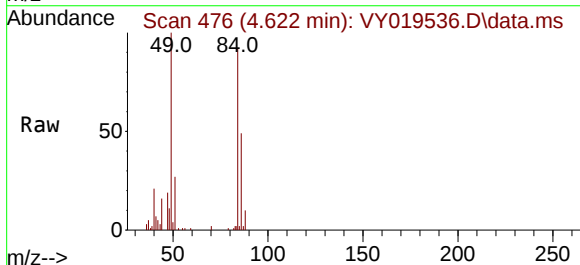
Ion Ratio Lower Upper

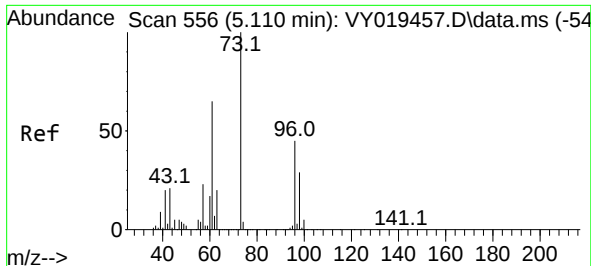
84 100

49 108.5 84.4 126.6

51 29.5 26.0 39.0

86 52.9 49.5 74.3

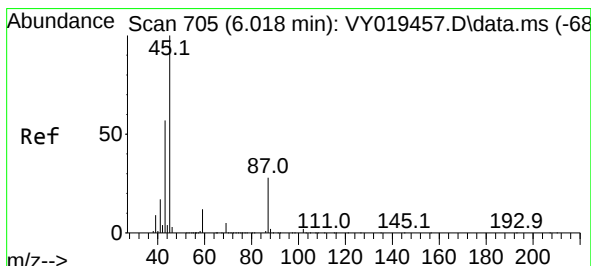
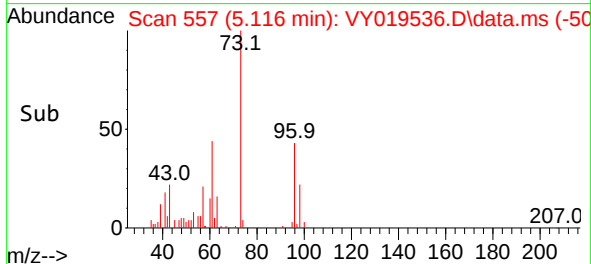
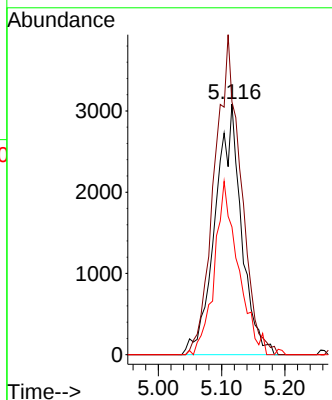
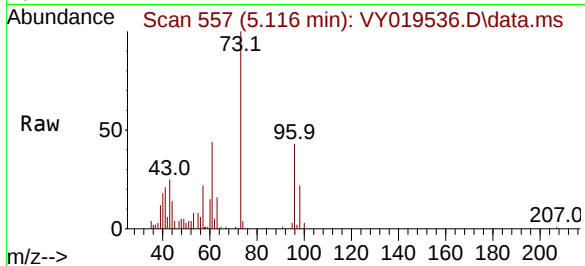




#21
trans-1,2-Dichloroethene
Concen: 2.090 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

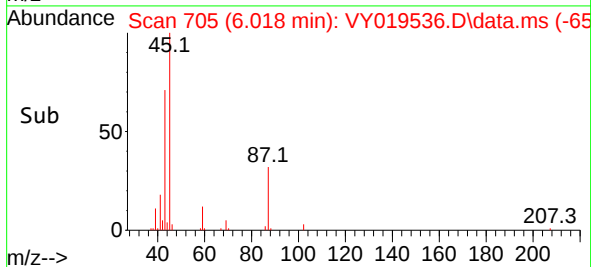
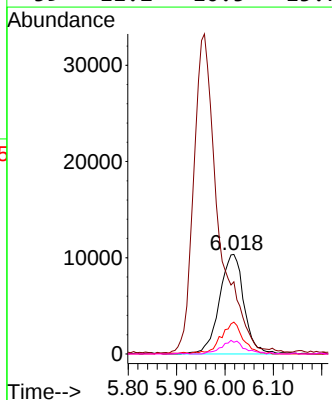
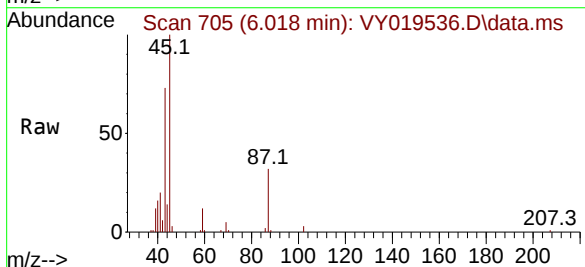
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

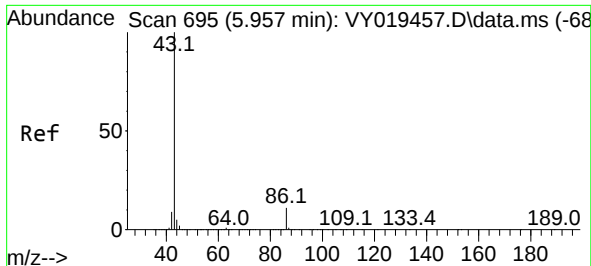
Tgt Ion: 96 Resp: 8859
Ion Ratio Lower Upper
96 100
61 100.8 97.5 146.3
98 50.9 50.5 75.7



#22
Diisopropyl ether
Concen: 2.548 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 45 Resp: 36295
Ion Ratio Lower Upper
45 100
43 69.5 42.2 63.2#
87 31.9 25.0 37.6
59 11.2 10.5 15.7

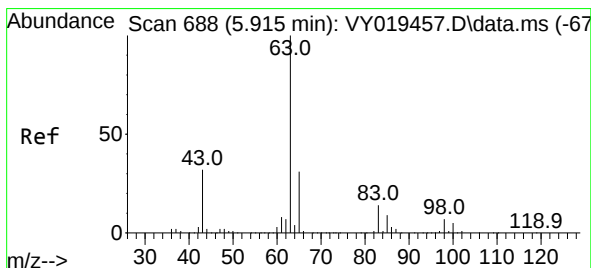
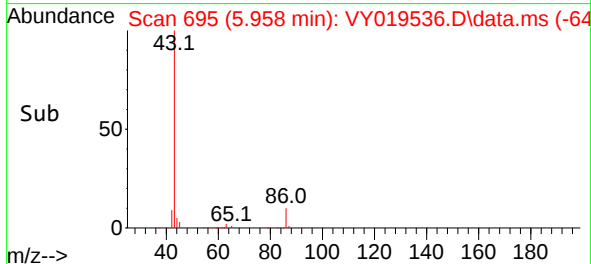
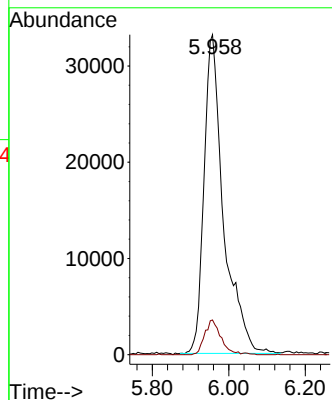
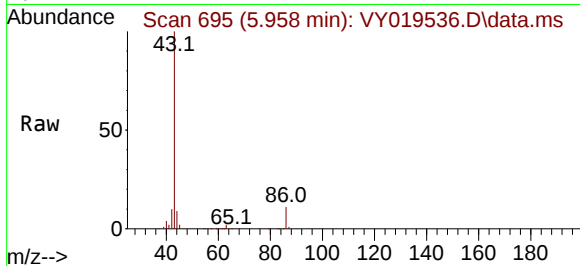




#23
 Vinyl Acetate
 Concen: 14.443 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

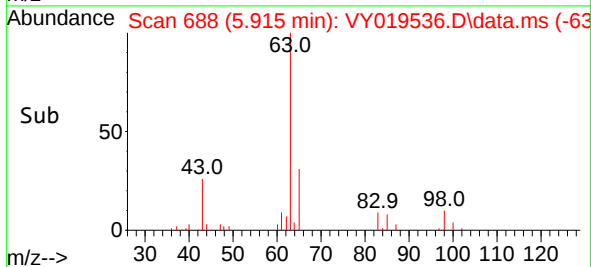
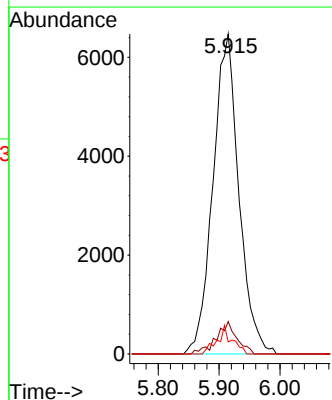
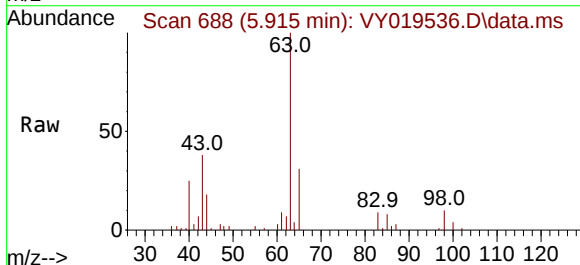
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

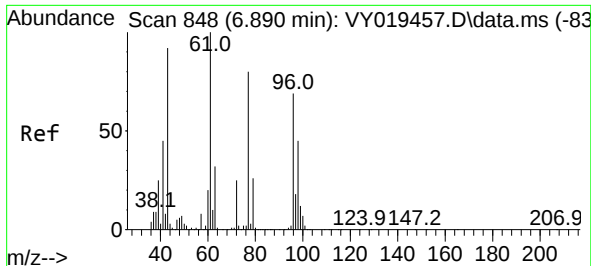
Tgt Ion: 43 Resp: 117507
 Ion Ratio Lower Upper
 43 100
 86 10.9 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 2.389 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

Tgt Ion: 63 Resp: 19097
 Ion Ratio Lower Upper
 63 100
 98 10.1 4.0 12.2
 100 3.7 2.6 8.0





#25

2-Butanone

Concen: 11.686 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

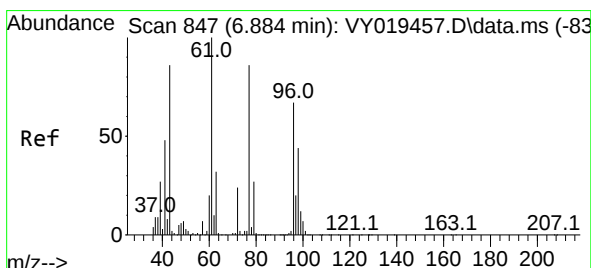
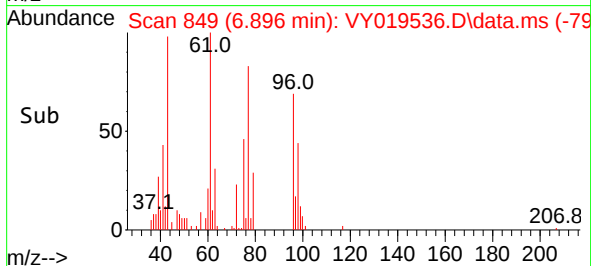
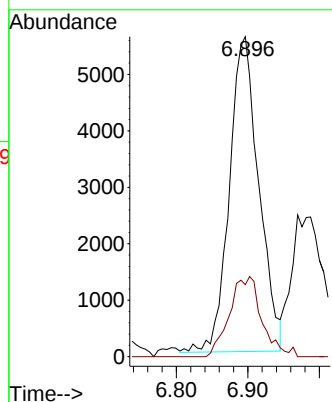
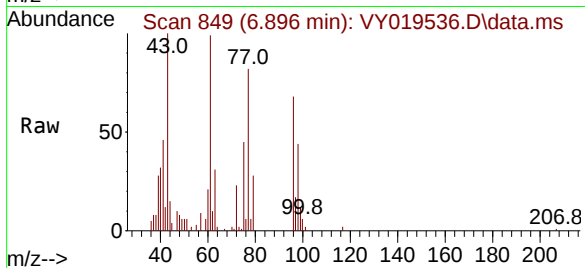
MDL-SOIL-03-QT3-2024

Tgt Ion: 43 Resp: 15984

Ion Ratio Lower Upper

43 100

72 22.9 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 2.634 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019536.D

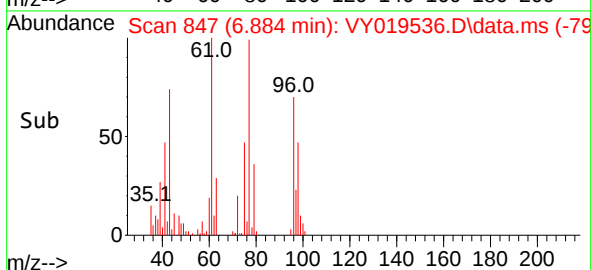
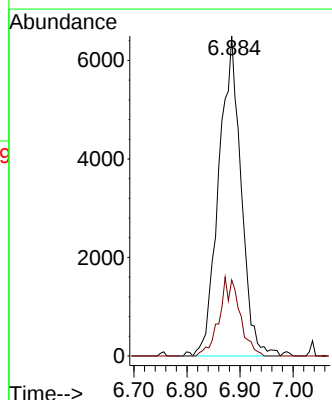
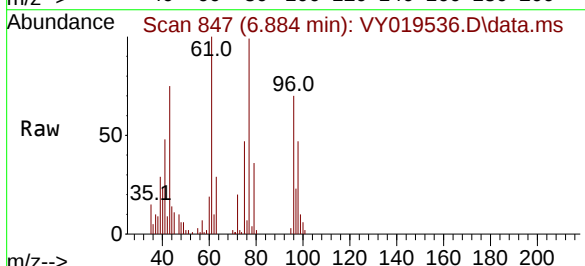
Acq: 13 Sep 2024 12:55

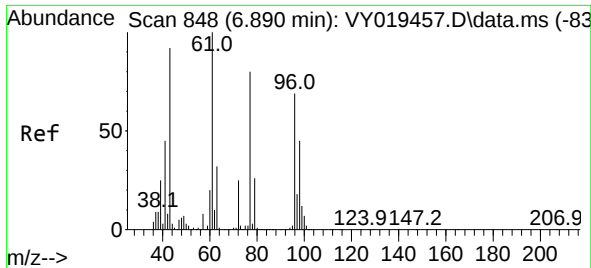
Tgt Ion: 77 Resp: 18989

Ion Ratio Lower Upper

77 100

97 11.3 12.0 36.1#

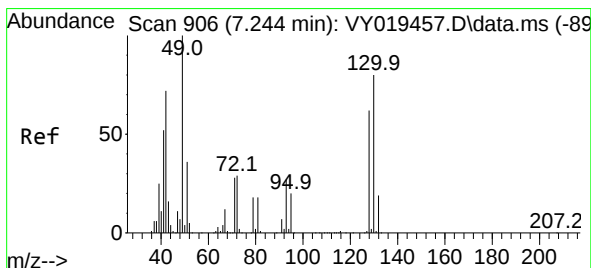
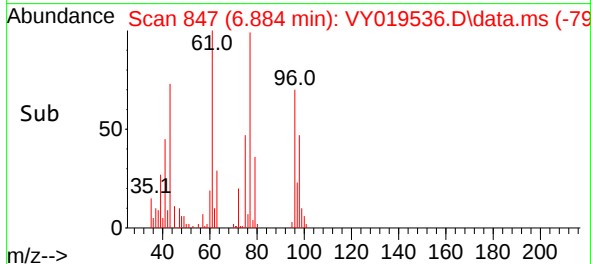
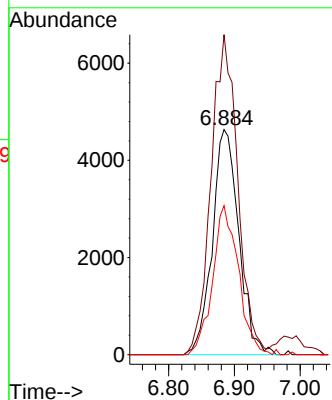
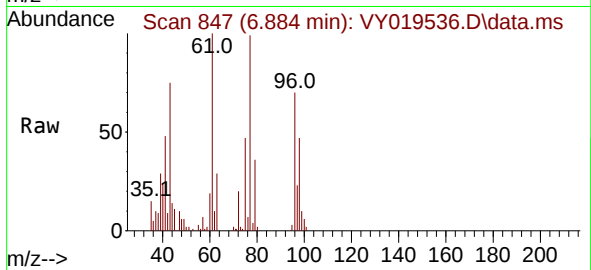




#27
 cis-1,2-Dichloroethene
 Concen: 2.518 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. -0.006 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

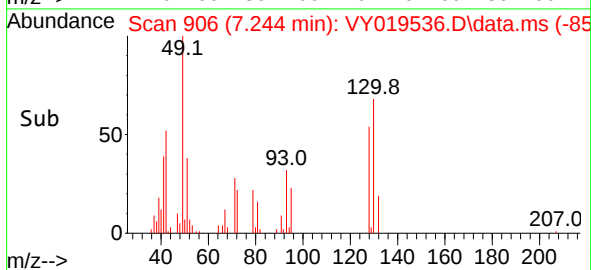
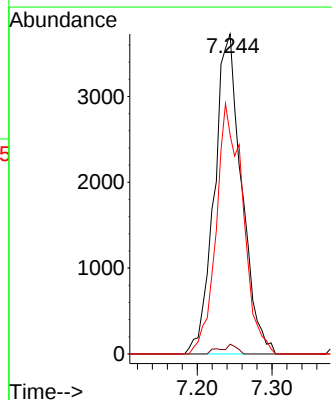
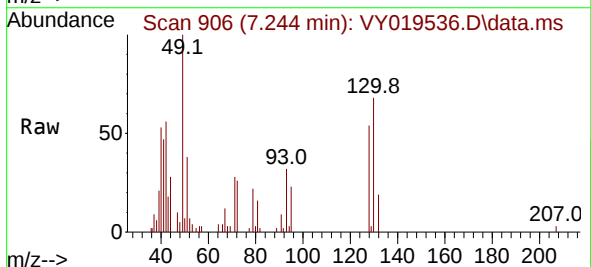
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

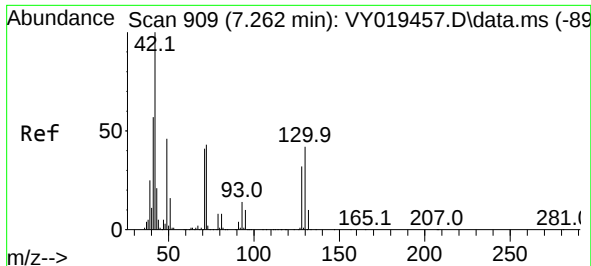
Tgt Ion: 96	Resp:	12965
Ion	Ratio	Lower Upper
96	100	
61	143.4	0.0 256.2
98	64.5	0.0 130.0



#28
 Bromochloromethane
 Concen: 2.818 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

Tgt Ion: 49	Resp:	9476
Ion	Ratio	Lower Upper
49	100	
129	1.8	0.0 4.6
130	76.5	72.7 109.1





#29

Tetrahydrofuran

Concen: 12.789 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

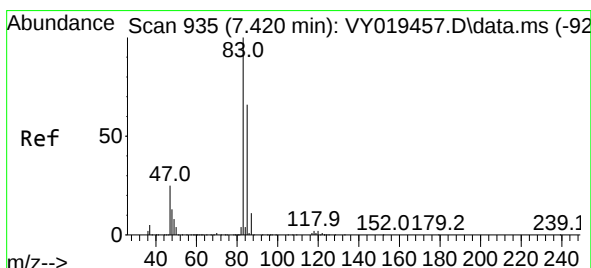
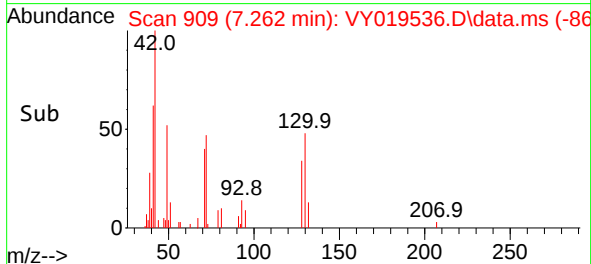
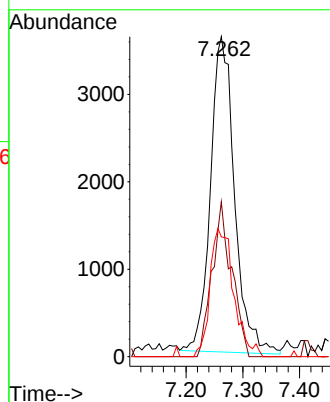
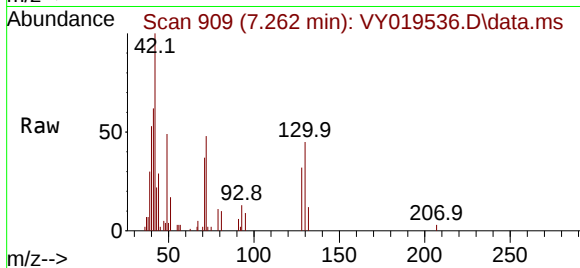
Tgt Ion: 42 Resp: 10636

Ion Ratio Lower Upper

42 100

72 40.0 43.0 64.4#

71 39.9 40.8 61.2#



#30

Chloroform

Concen: 2.843 ug/l

RT: 7.408 min Scan# 933

Delta R.T. -0.012 min

Lab File: VY019536.D

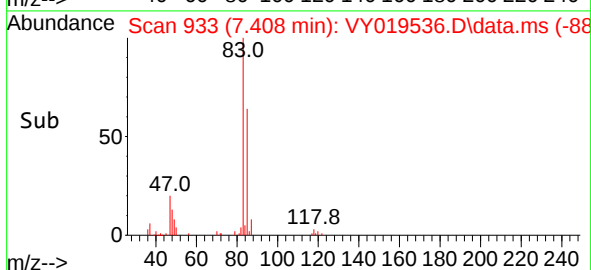
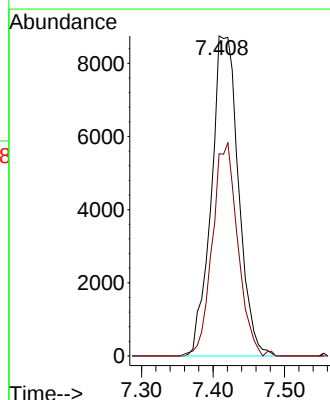
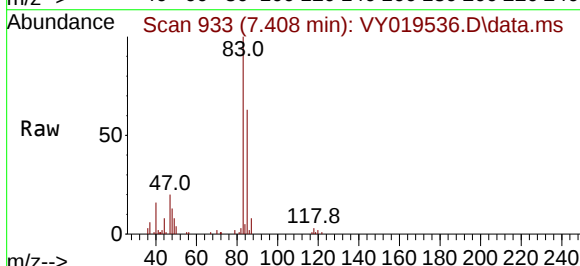
Acq: 13 Sep 2024 12:55

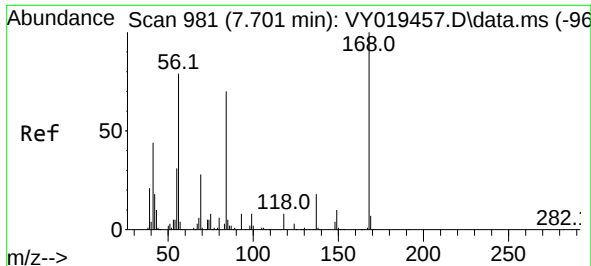
Tgt Ion: 83 Resp: 23196

Ion Ratio Lower Upper

83 100

85 63.2 52.2 78.4

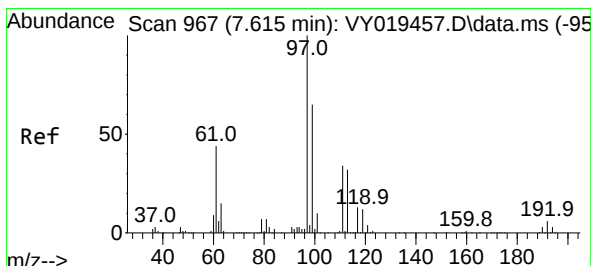
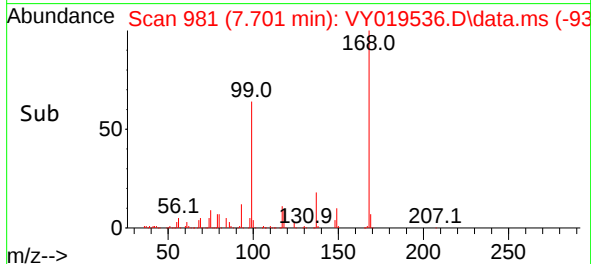
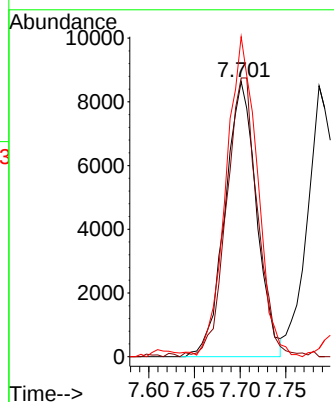
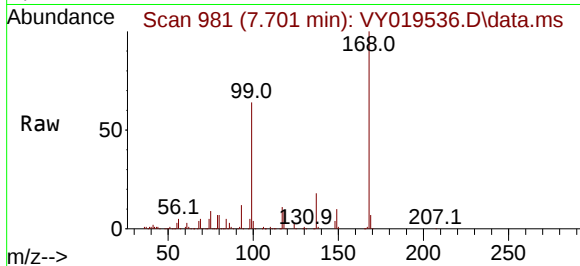




#31
Cyclohexane
Concen: 2.869 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

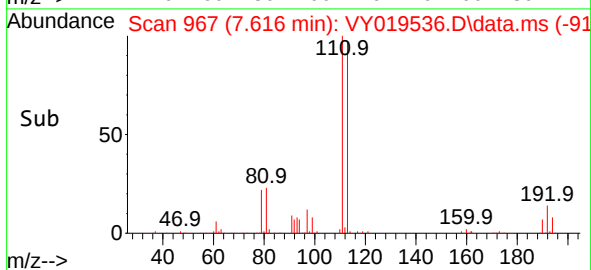
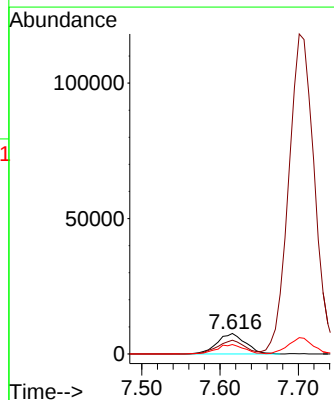
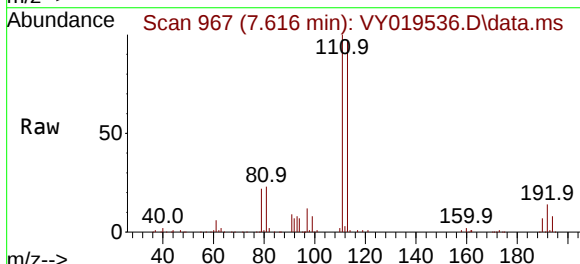
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

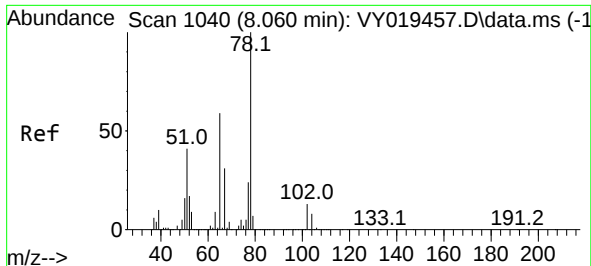
Tgt Ion: 56 Resp: 20724
Ion Ratio Lower Upper
56 100
69 101.3 28.7 43.1#
84 115.0 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 2.590 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 97 Resp: 18945
Ion Ratio Lower Upper
97 100
99 65.3 50.3 75.5
61 45.0 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 56.979 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

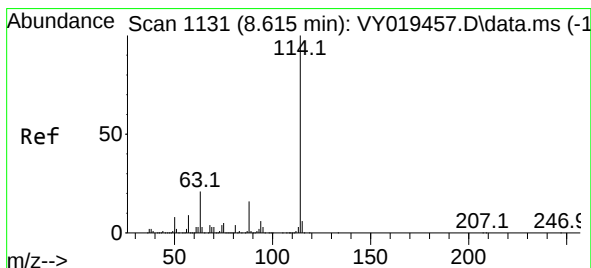
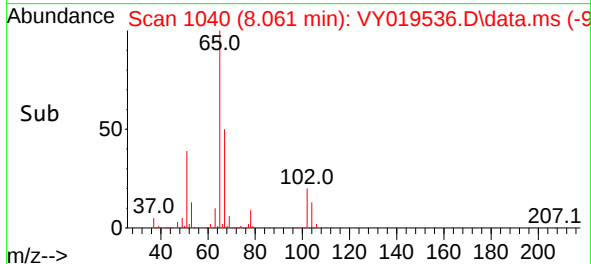
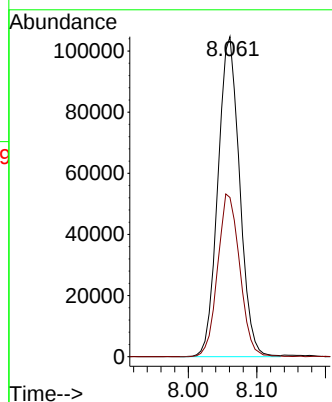
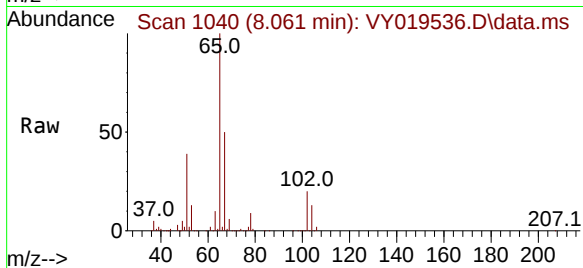
MDL-SOIL-03-QT3-2024

Tgt Ion: 65 Resp: 230011

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

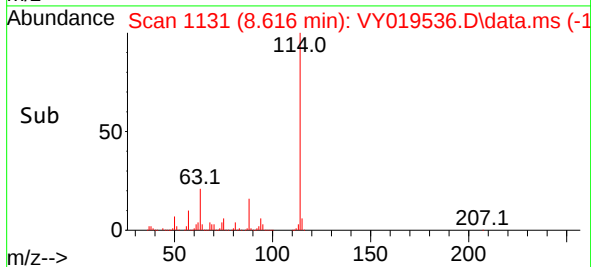
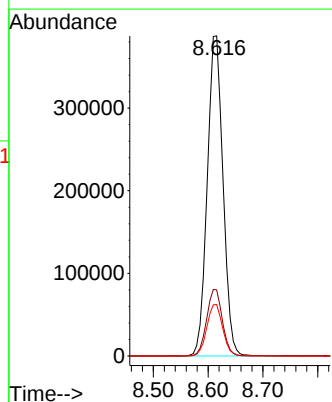
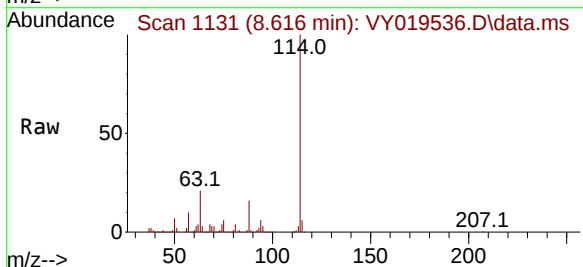
Tgt Ion: 114 Resp: 771089

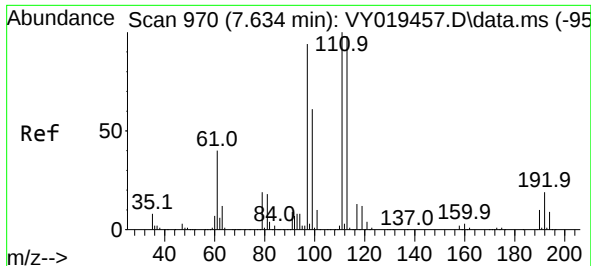
Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

88 16.1 0.0 27.2

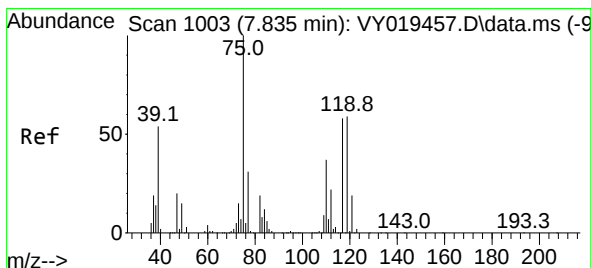
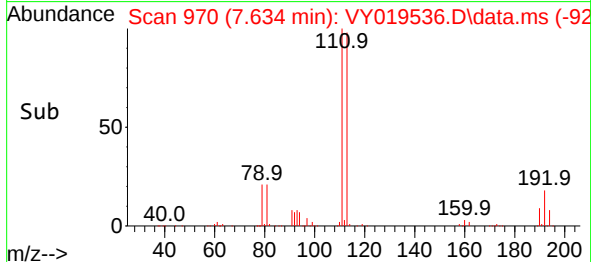
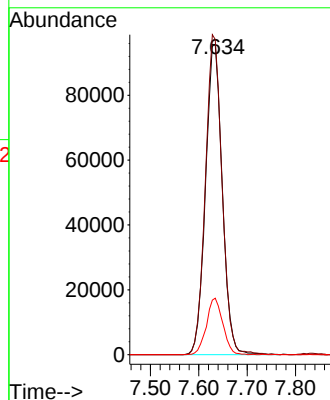
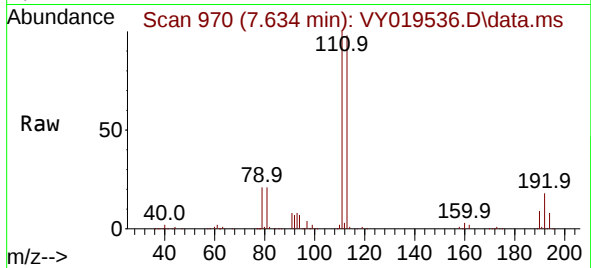




#35
Dibromofluoromethane
Concen: 52.706 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

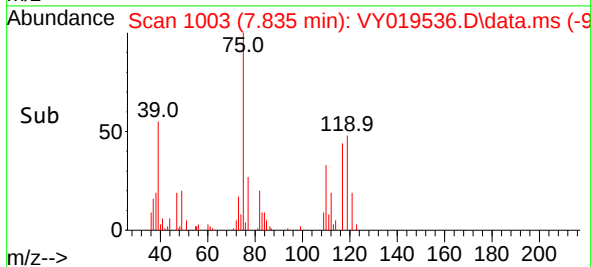
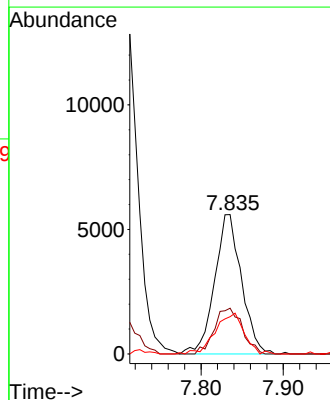
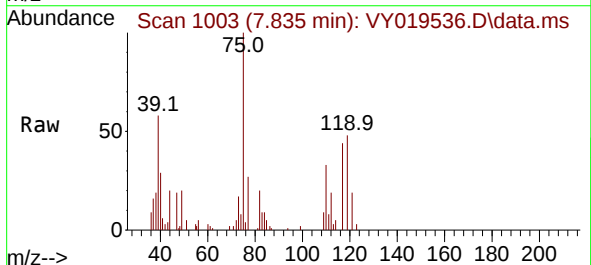
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

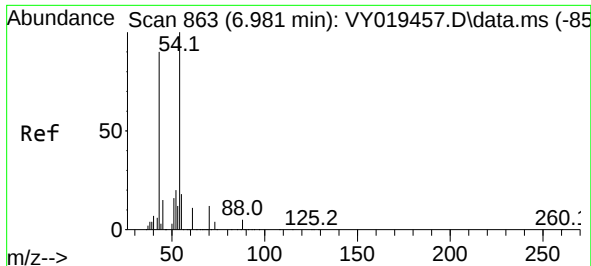
Tgt Ion:113 Resp: 230427
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 17.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 2.135 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 75 Resp: 12702
Ion Ratio Lower Upper
75 100
110 34.1 19.0 57.0
77 31.5 25.3 37.9





#37

Ethyl Acetate

Concen: 2.377 ug/l

RT: 6.970 min Scan# 8

Delta R.T. -0.012 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

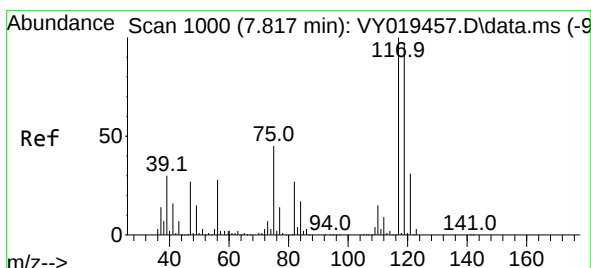
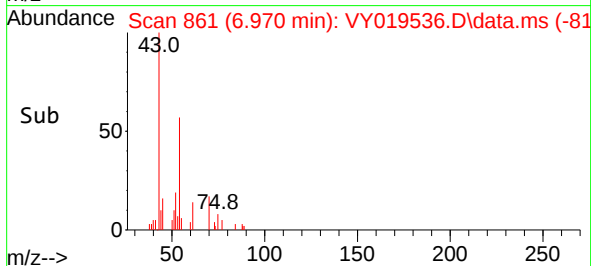
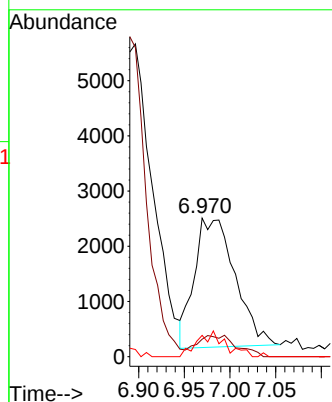
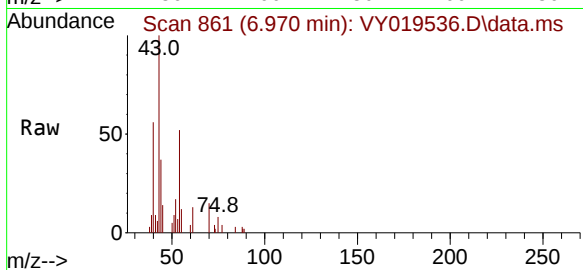
Tgt Ion: 43 Resp: 7246

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 6.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 2.349 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

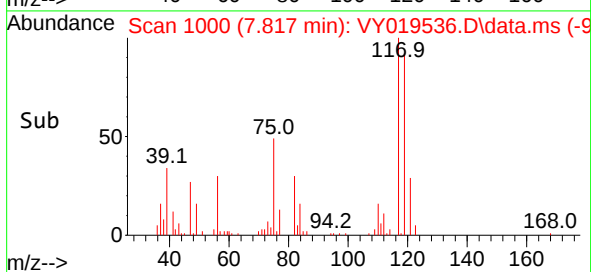
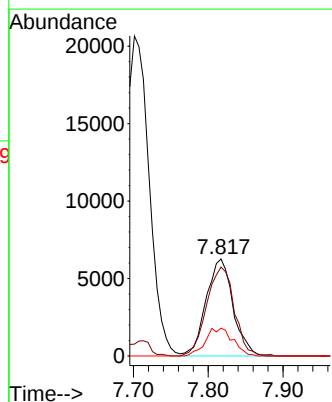
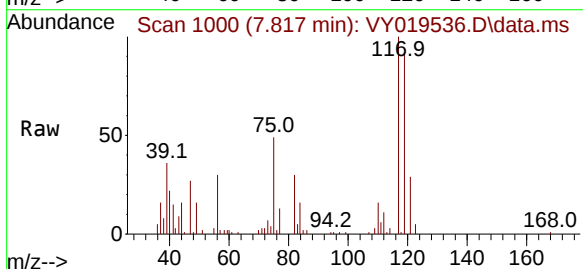
Tgt Ion: 117 Resp: 15761

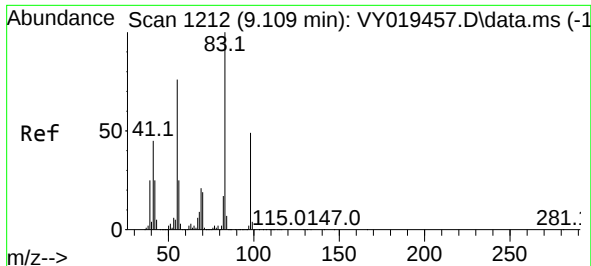
Ion Ratio Lower Upper

117 100

119 91.6 75.8 113.6

121 28.7 24.0 36.0





#39

Methylcyclohexane

Concen: 1.583 ug/l

RT: 9.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

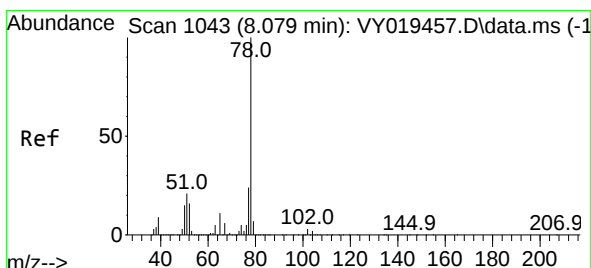
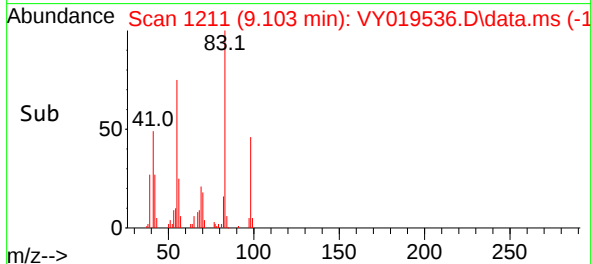
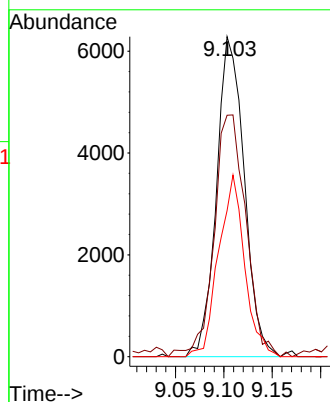
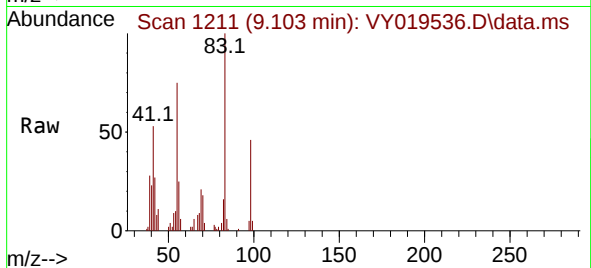
Tgt Ion: 83 Resp: 12530

Ion Ratio Lower Upper

83 100

55 75.5 51.5 77.3

98 45.6 40.5 60.7



#40

Benzene

Concen: 2.227 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019536.D

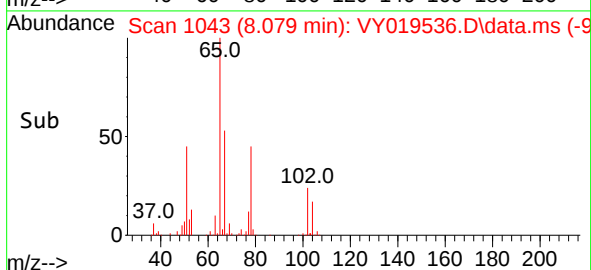
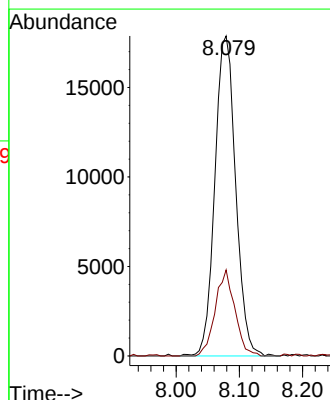
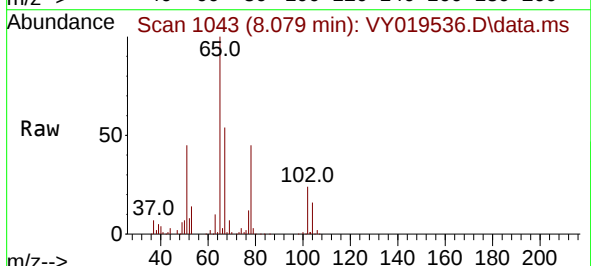
Acq: 13 Sep 2024 12:55

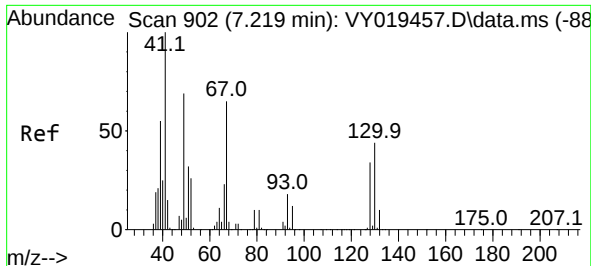
Tgt Ion: 78 Resp: 40803

Ion Ratio Lower Upper

78 100

77 26.9 19.5 29.3

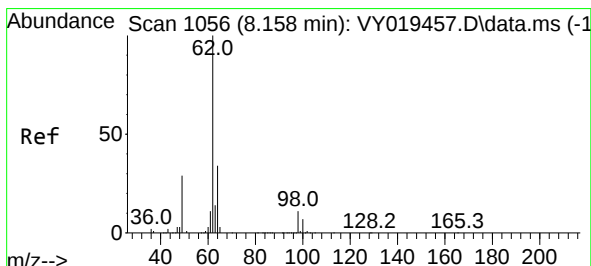
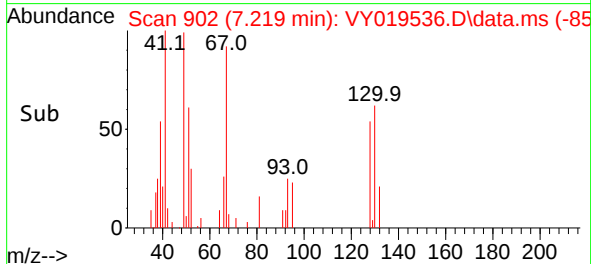
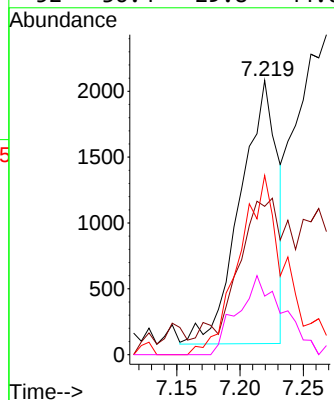
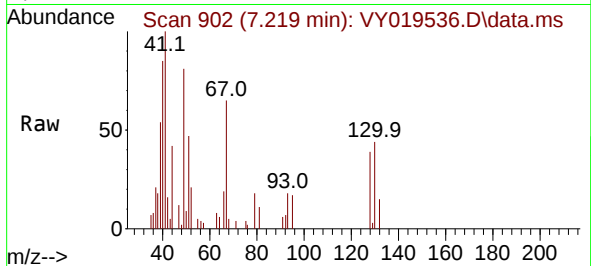




#41
Methacrylonitrile
Concen: 2.309 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

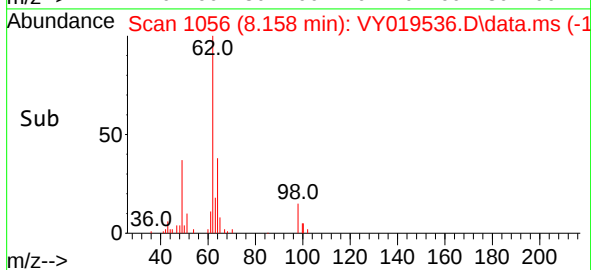
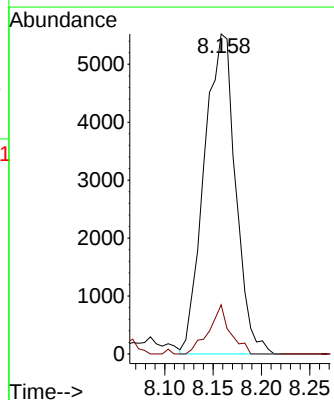
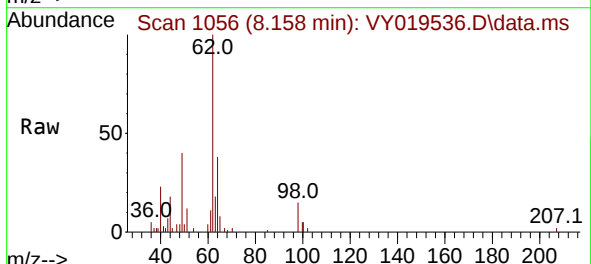
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

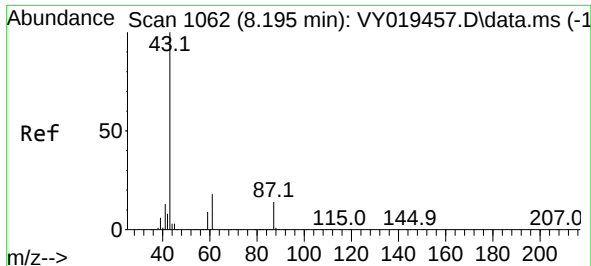
Tgt Ion:	41	Resp:	4103
Ion	Ratio	Lower	Upper
41	100		
39	71.6	48.0	72.0
67	89.1	75.1	112.7
52	36.4	29.8	44.6



#42
1,2-Dichloroethane
Concen: 2.535 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion:	62	Resp:	12501
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	22.0

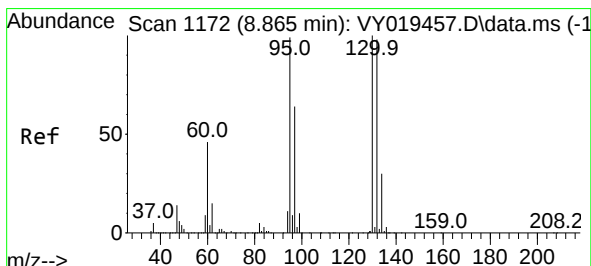
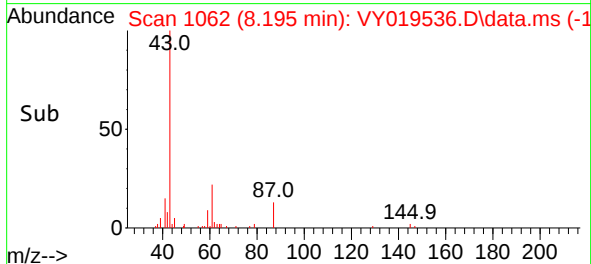
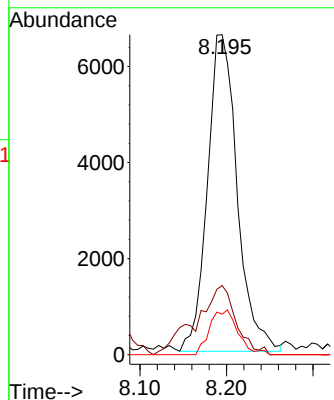
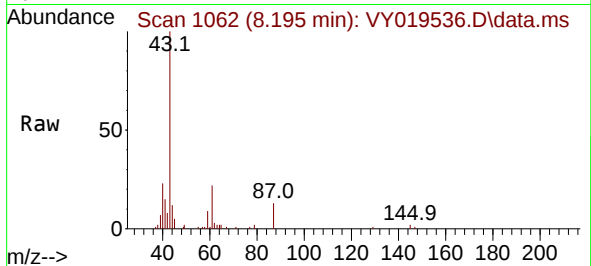




#43
Isopropyl Acetate
Concen: 2.464 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

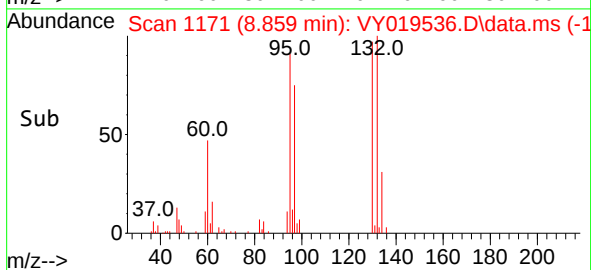
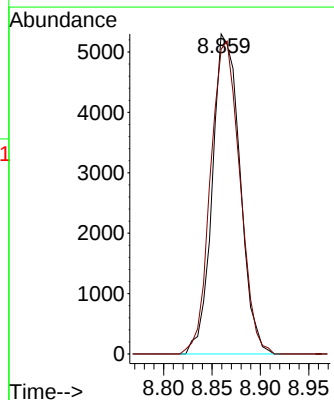
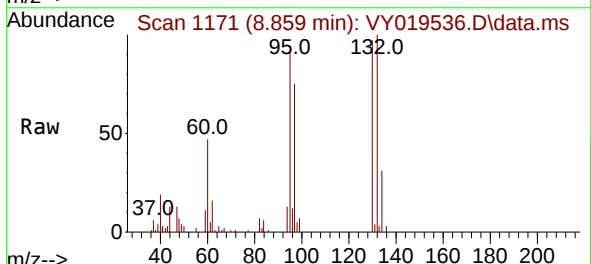
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

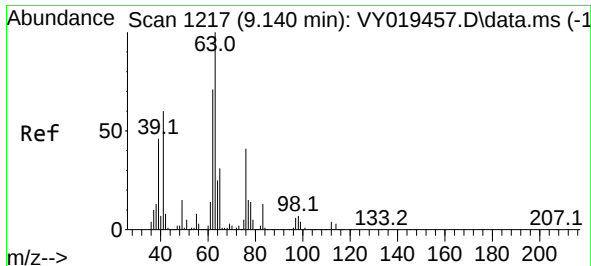
Tgt Ion:	43	Resp:	15776
Ion	Ratio	Lower	Upper
43	100		
61	29.4	27.9	41.9
87	13.3	13.1	19.7



#44
Trichloroethene
Concen: 2.233 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion:	130	Resp:	10524
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	188.0





#45

1,2-Dichloropropane

Concen: 2.598 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

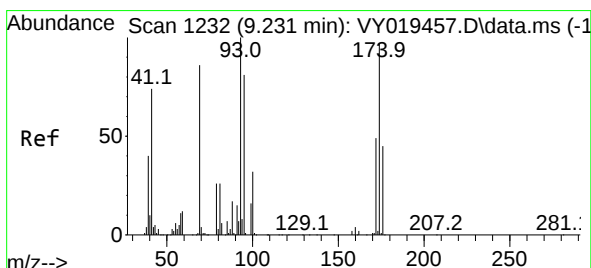
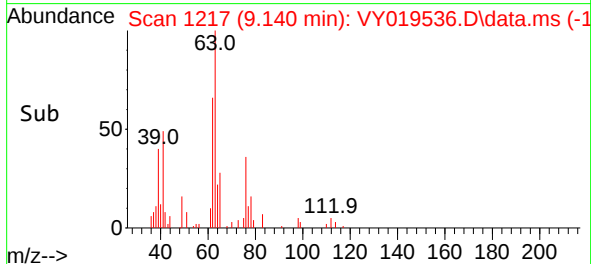
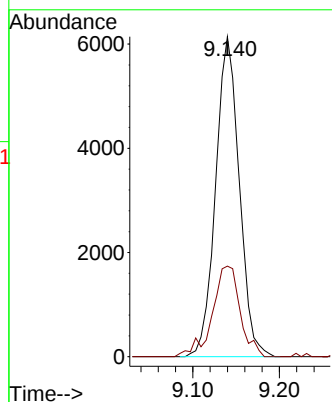
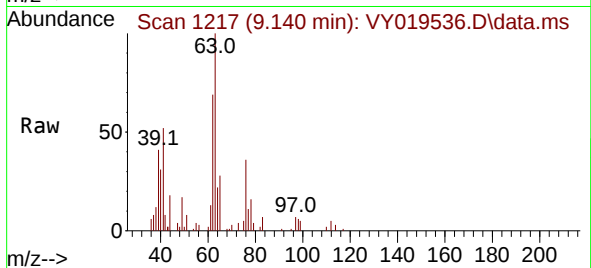
MDL-SOIL-03-QT3-2024

Tgt Ion: 63 Resp: 11639

Ion Ratio Lower Upper

63 100

65 28.3 25.4 38.2



#46

Dibromomethane

Concen: 2.547 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

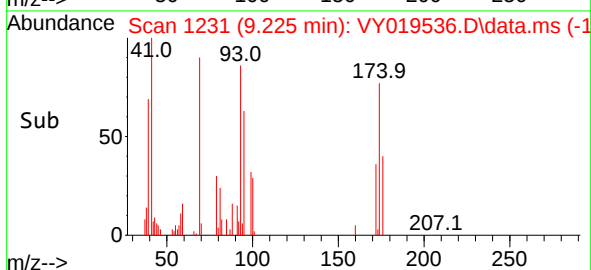
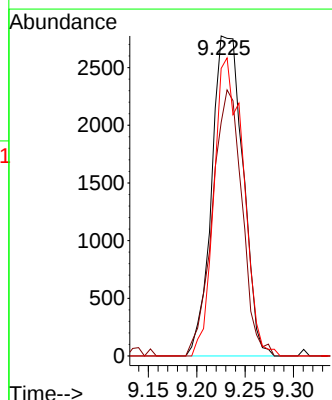
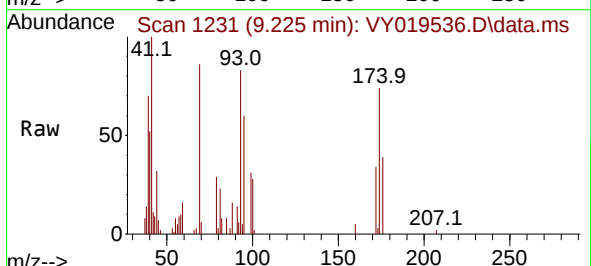
Tgt Ion: 93 Resp: 6239

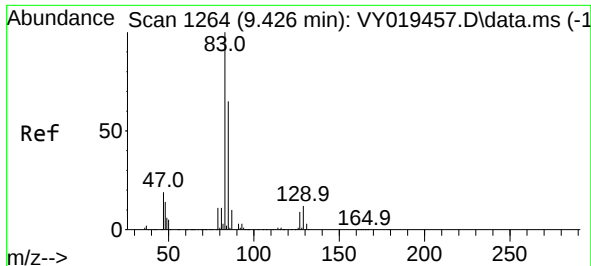
Ion Ratio Lower Upper

93 100

95 79.0 66.2 99.4

174 87.3 80.9 121.3





#47

Bromodichloromethane

Concen: 2.505 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

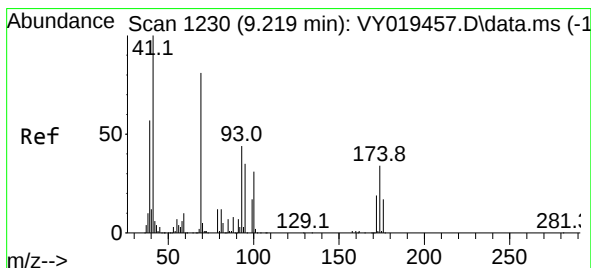
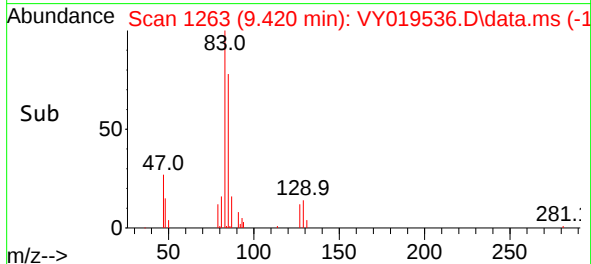
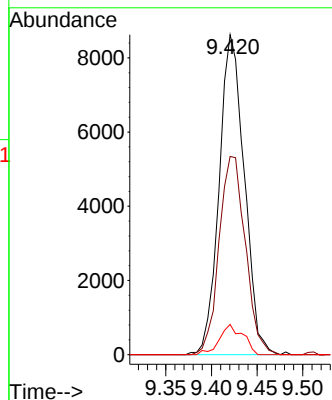
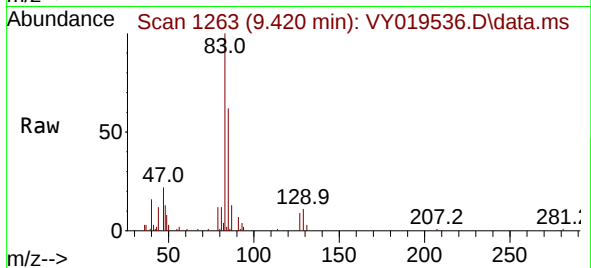
Tgt Ion: 83 Resp: 16493

Ion Ratio Lower Upper

83 100

85 61.9 50.1 75.1

127 9.5 7.4 11.0



#48

Methyl methacrylate

Concen: 2.202 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

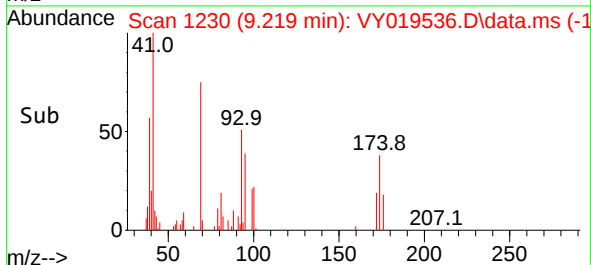
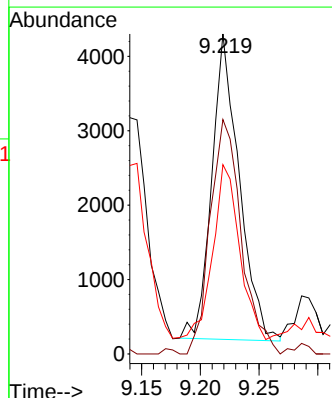
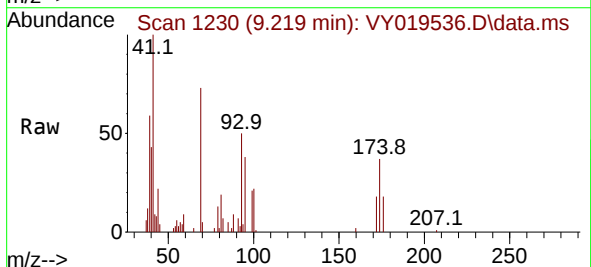
Tgt Ion: 41 Resp: 6659

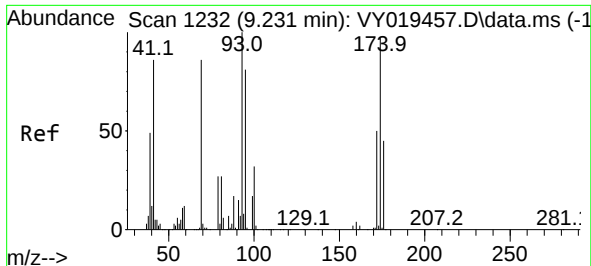
Ion Ratio Lower Upper

41 100

69 87.1 84.1 126.1

39 66.2 43.6 65.4#





#49

1,4-Dioxane

Concen: 56.662 ug/l

RT: 9.237 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

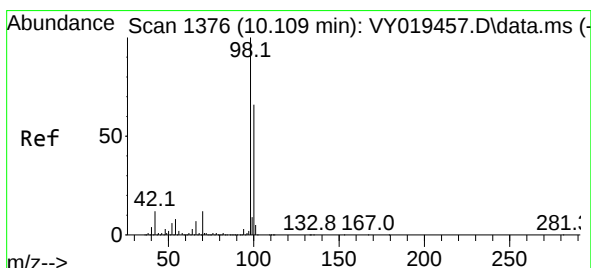
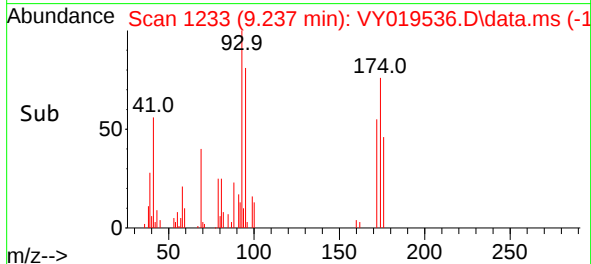
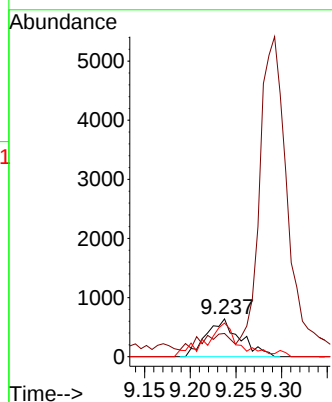
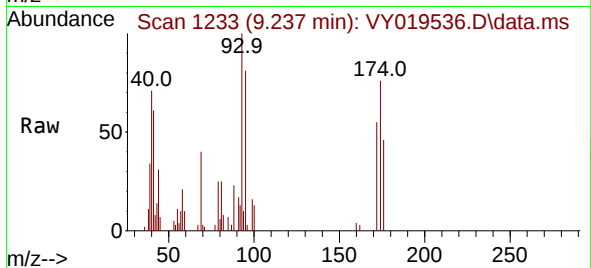
Tgt Ion: 88 Resp: 1634

Ion Ratio Lower Upper

88 100

43 38.3 0.0 0.0#

58 86.2 49.3 73.9#



#50

Toluene-d8

Concen: 52.590 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019536.D

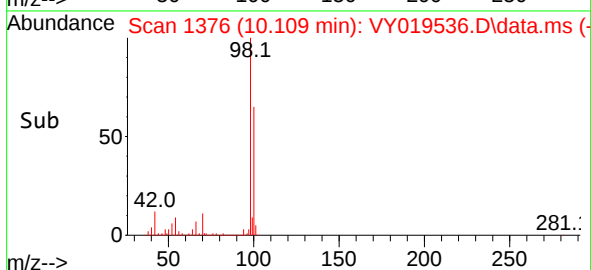
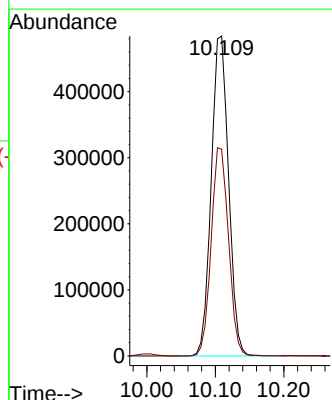
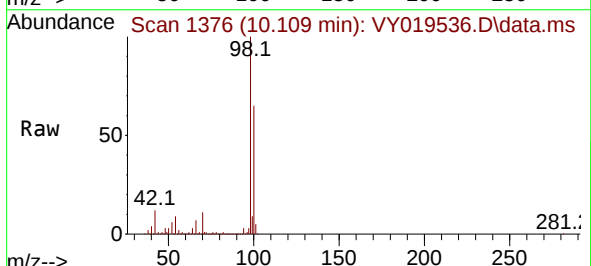
Acq: 13 Sep 2024 12:55

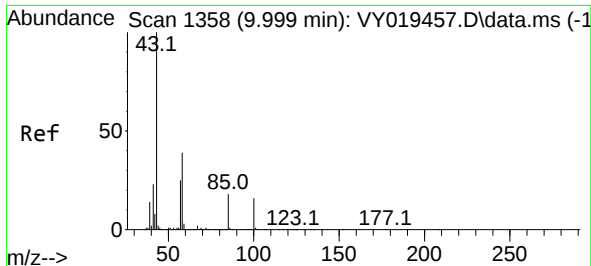
Tgt Ion: 98 Resp: 850413

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0

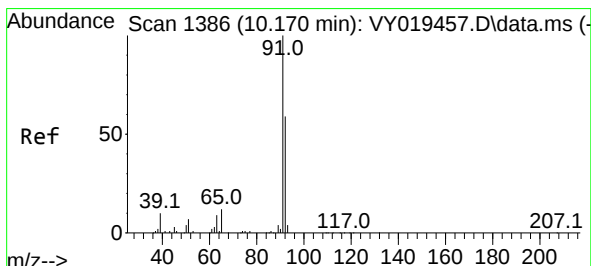
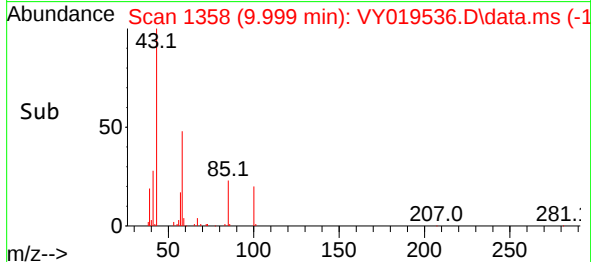
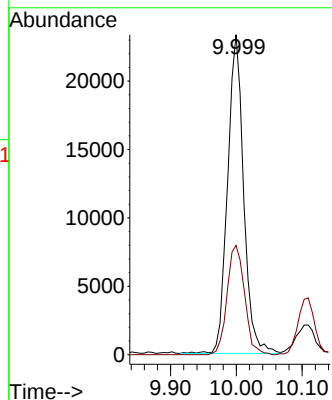
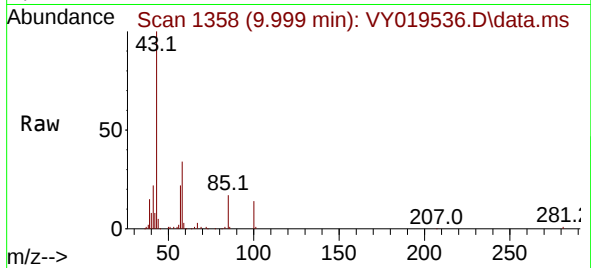




#51
4-Methyl-2-Pentanone
Concen: 12.285 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

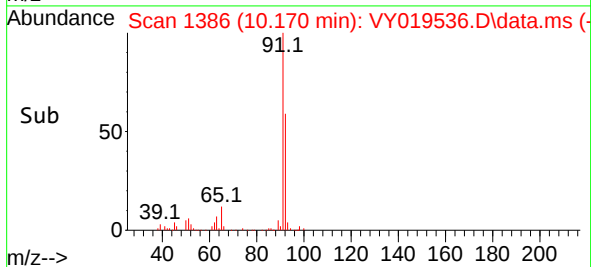
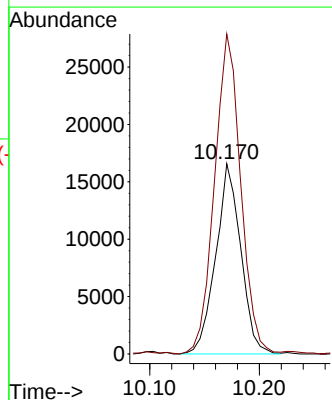
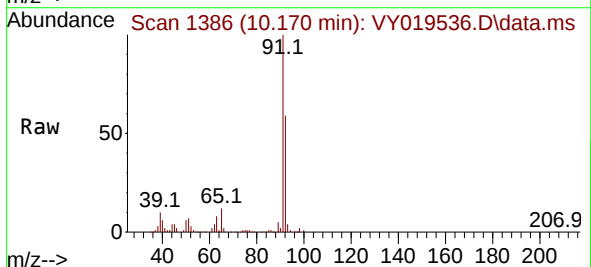
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

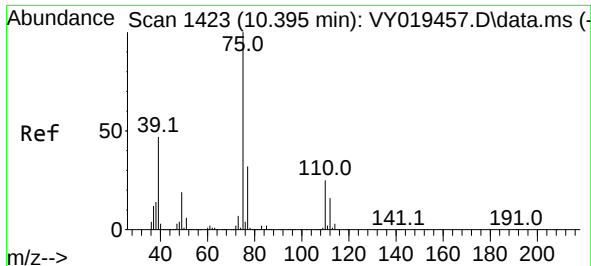
Tgt Ion: 43 Resp: 39580
Ion Ratio Lower Upper
43 100
58 37.4 35.7 53.5



#52
Toluene
Concen: 2.231 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 92 Resp: 26286
Ion Ratio Lower Upper
92 100
91 175.9 139.0 208.6

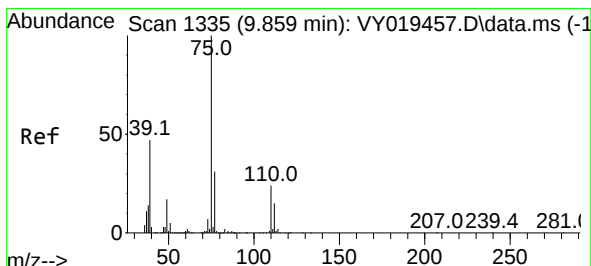
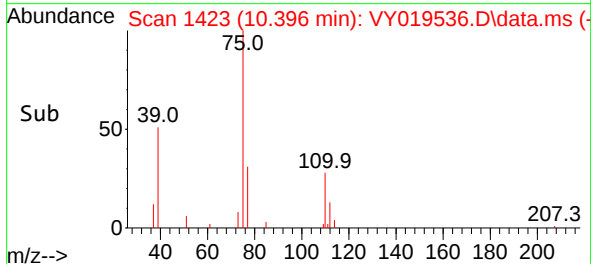
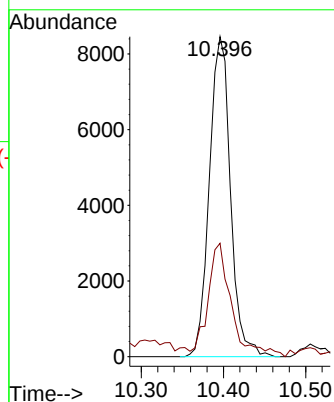
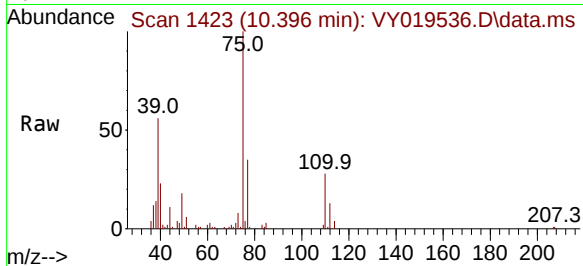




#53
 t-1,3-Dichloropropene
 Concen: 2.402 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

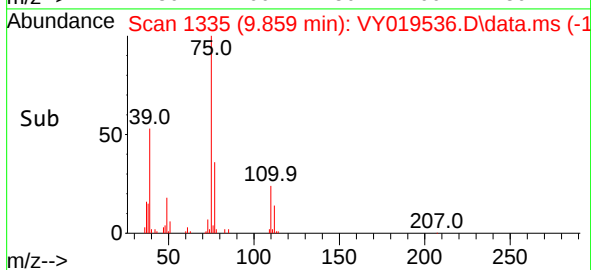
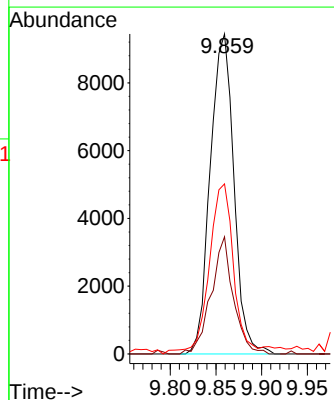
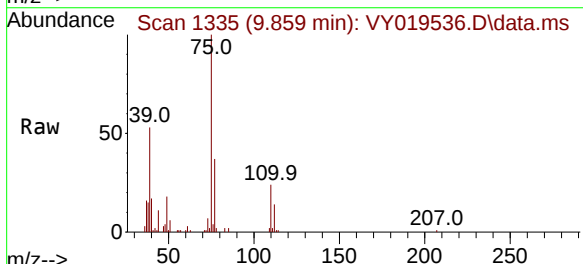
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT3-2024

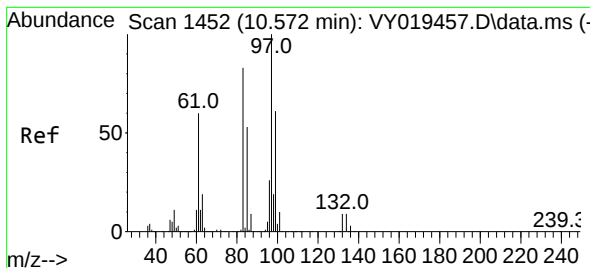
Tgt Ion: 75 Resp: 15076
 Ion Ratio Lower Upper
 75 100
 77 34.2 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 2.331 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

Tgt Ion: 75 Resp: 17039
 Ion Ratio Lower Upper
 75 100
 77 36.6 25.4 38.0
 39 51.9 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 2.604 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion: 97 Resp: 8810

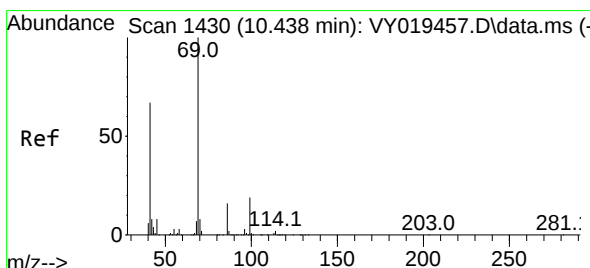
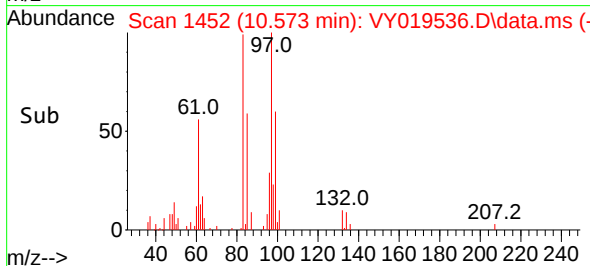
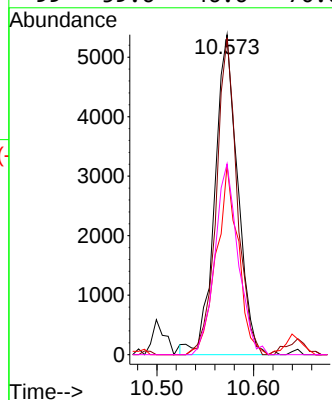
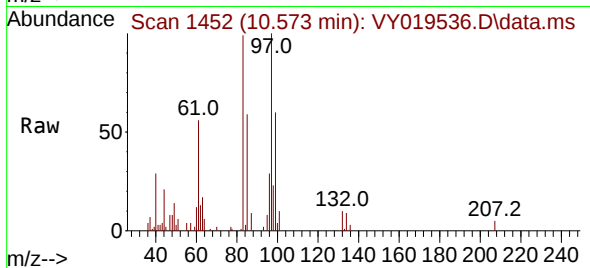
Ion Ratio Lower Upper

97 100

83 99.0 67.5 101.3

85 59.2 42.9 64.3

99 59.6 46.6 70.0



#56

Ethyl methacrylate

Concen: 2.295 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

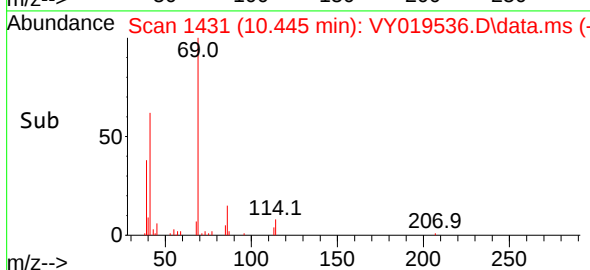
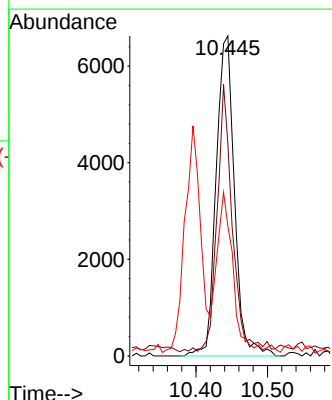
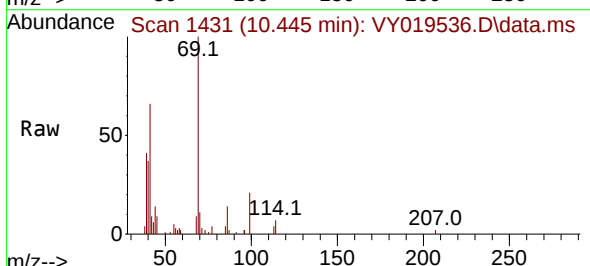
Tgt Ion: 69 Resp: 11795

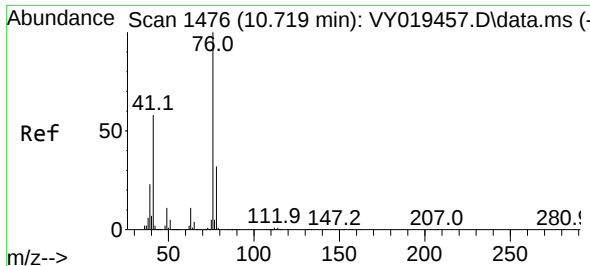
Ion Ratio Lower Upper

69 100

41 70.5 42.3 63.5#

39 42.5 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 2.553 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

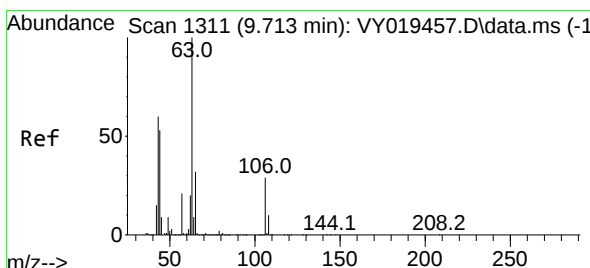
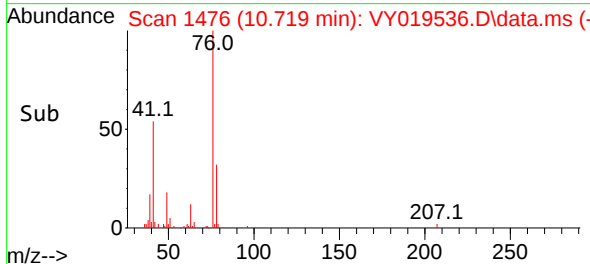
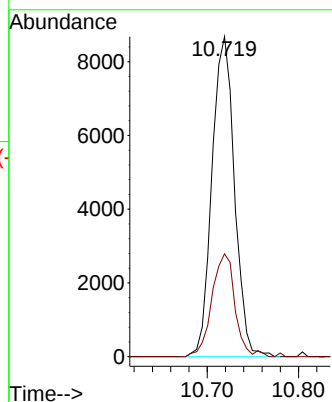
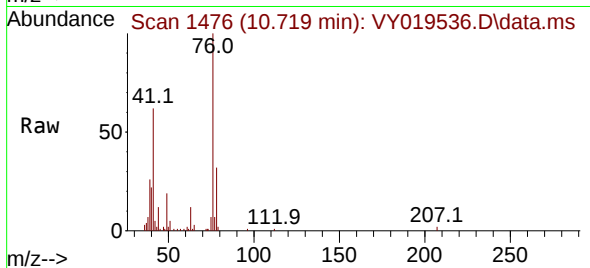
MDL-SOIL-03-QT3-2024

Tgt Ion: 76 Resp: 14846

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 12.056 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY019536.D

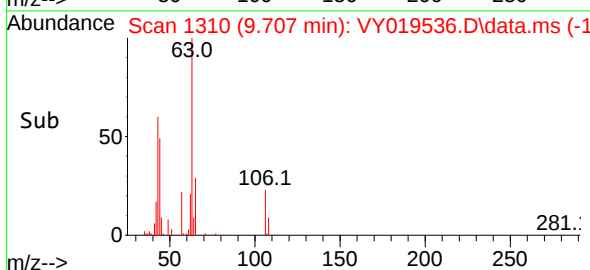
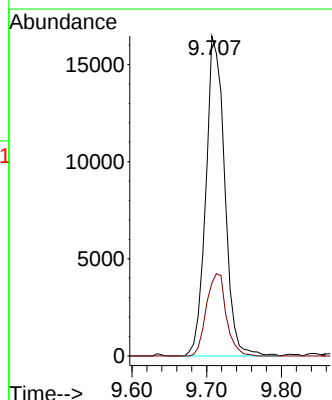
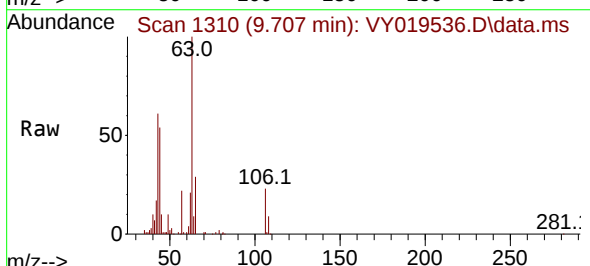
Acq: 13 Sep 2024 12:55

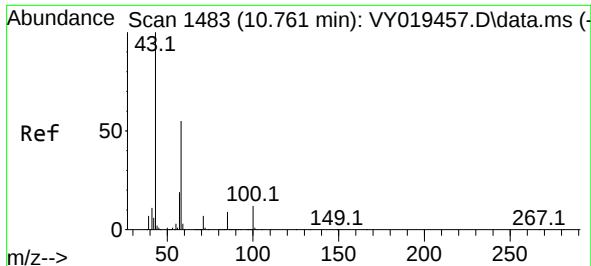
Tgt Ion: 63 Resp: 28755

Ion Ratio Lower Upper

63 100

106 27.1 23.7 35.5





#59

2-Hexanone

Concen: 11.475 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

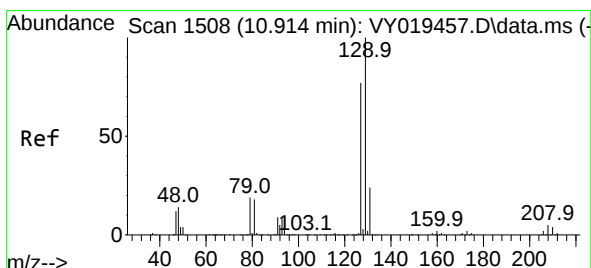
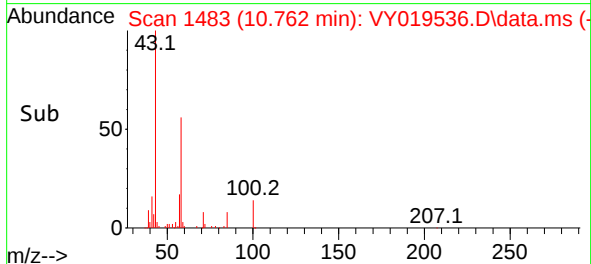
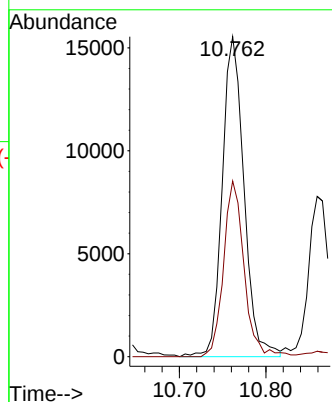
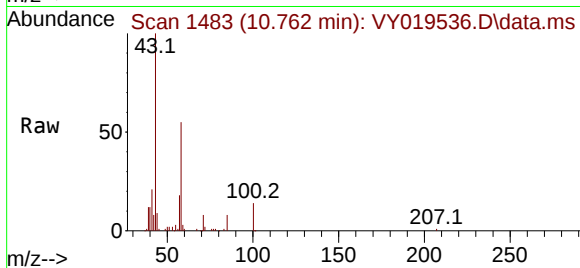
MDL-SOIL-03-QT3-2024

Tgt Ion: 43 Resp: 27104

Ion Ratio Lower Upper

43 100

58 52.1 31.4 94.0



#60

Dibromochloromethane

Concen: 2.535 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.000 min

Lab File: VY019536.D

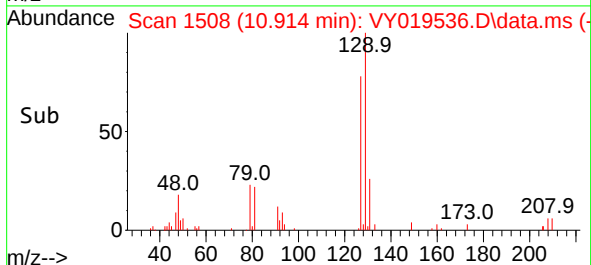
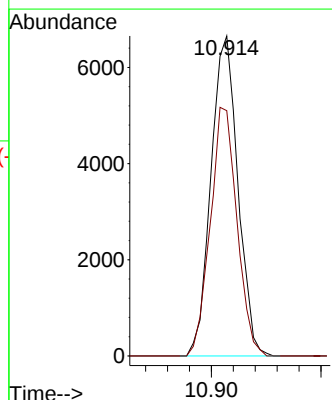
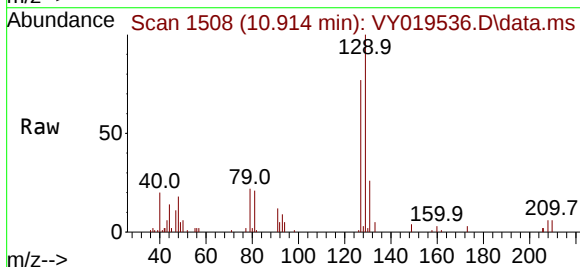
Acq: 13 Sep 2024 12:55

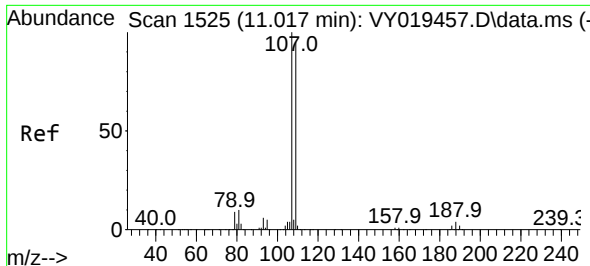
Tgt Ion: 129 Resp: 11346

Ion Ratio Lower Upper

129 100

127 77.0 39.0 117.0

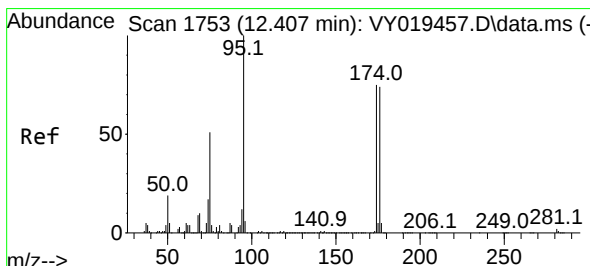
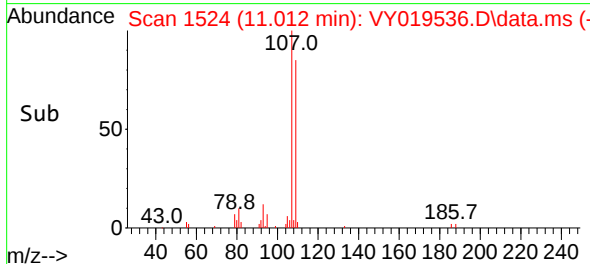
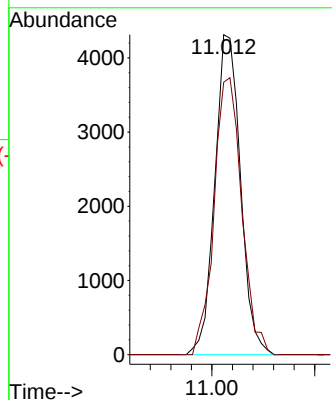
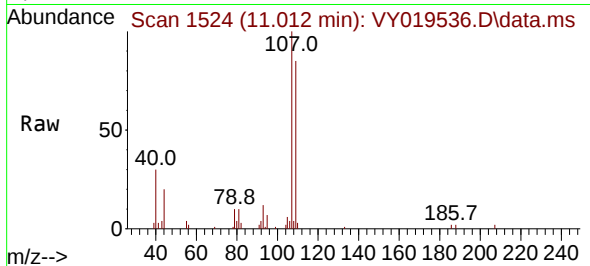




#61
1,2-Dibromoethane
Concen: 2.369 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

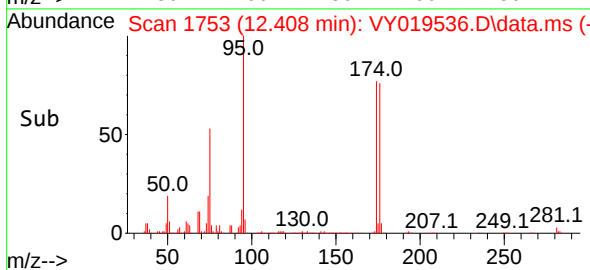
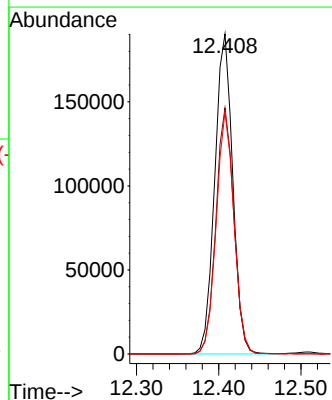
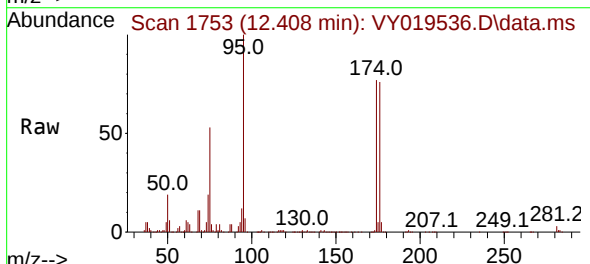
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

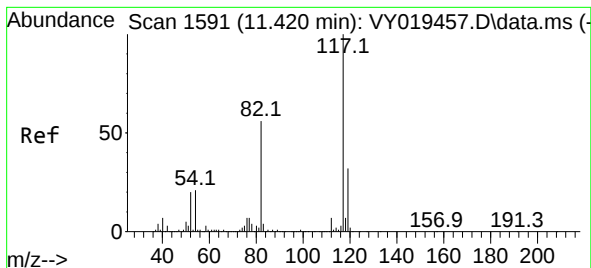
Tgt Ion:107 Resp: 7468
Ion Ratio Lower Upper
107 100
109 93.5 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 46.638 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 95 Resp: 289985
Ion Ratio Lower Upper
95 100
174 76.7 0.0 175.6
176 74.6 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: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

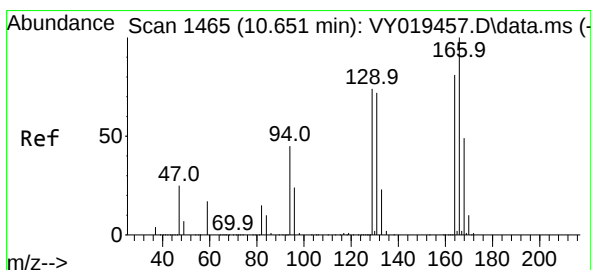
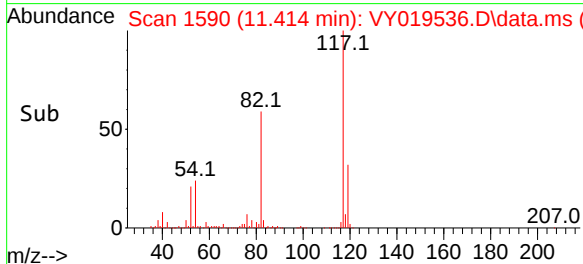
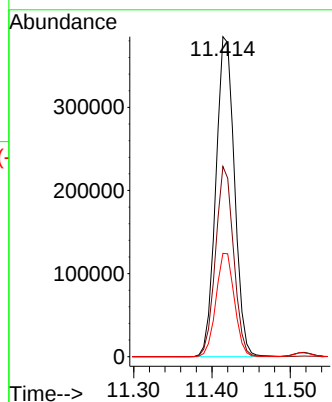
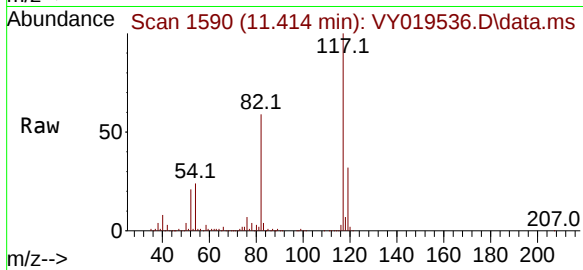
Tgt Ion:117 Resp: 636833

Ion Ratio Lower Upper

117 100

82 59.5 42.4 63.6

119 32.3 25.9 38.9



#64

Tetrachloroethene

Concen: 2.302 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion:164 Resp: 9077

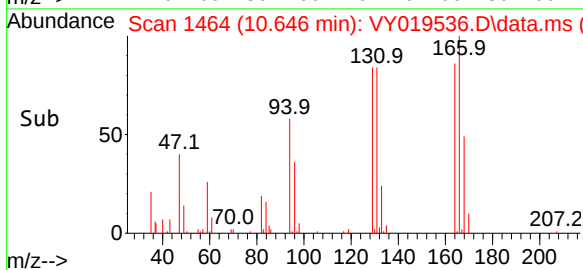
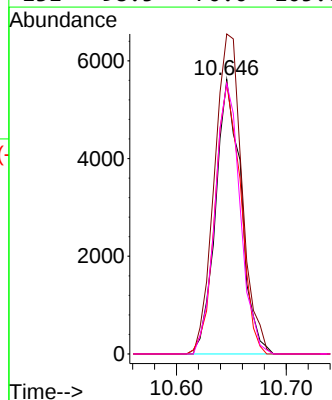
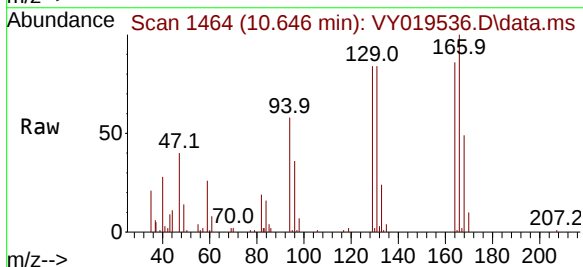
Ion Ratio Lower Upper

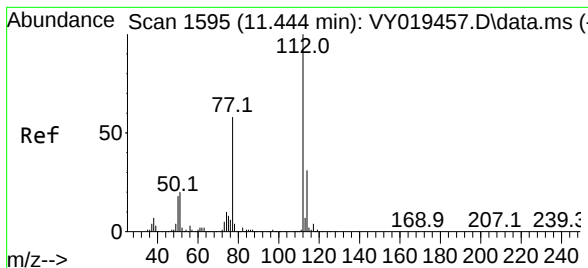
164 100

166 116.6 102.6 154.0

129 98.5 72.0 108.0

131 98.5 70.0 105.0





#65

Chlorobenzene

Concen: 2.533 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

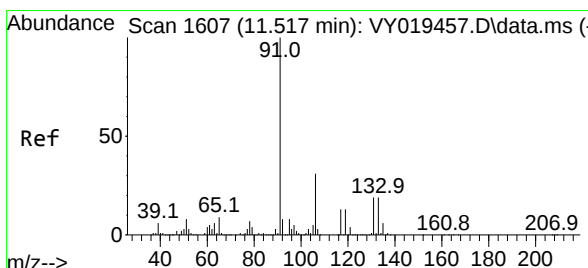
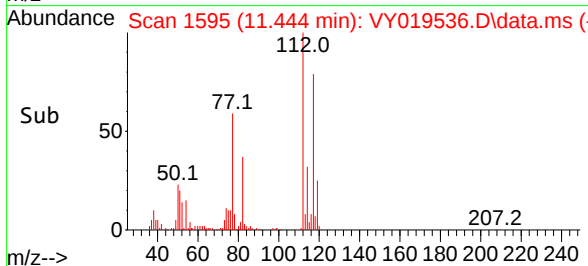
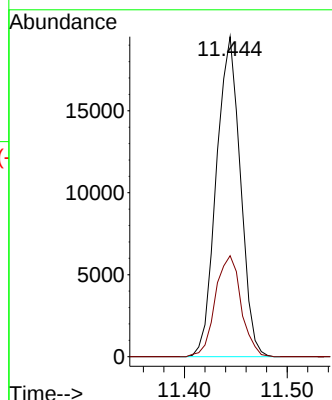
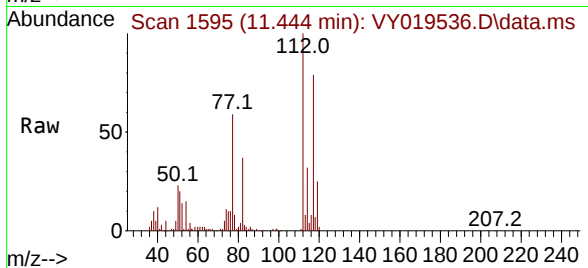
MDL-SOIL-03-QT3-2024

Tgt Ion:112 Resp: 31727

Ion Ratio Lower Upper

112 100

114 31.6 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 2.684 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

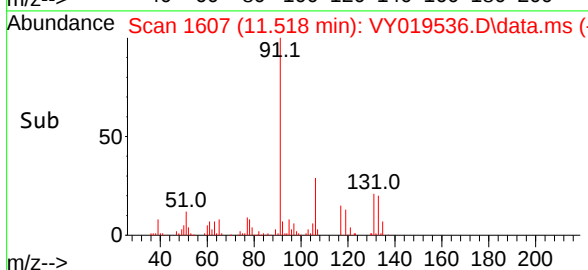
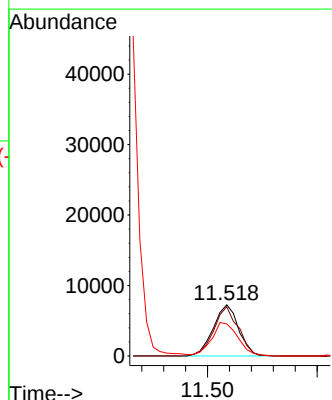
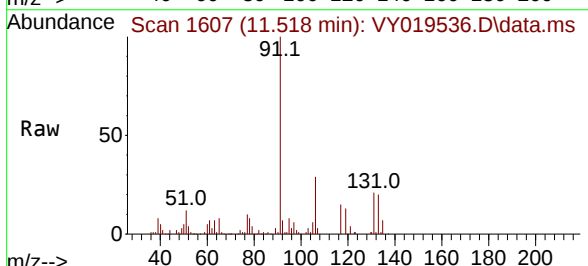
Tgt Ion:131 Resp: 11643

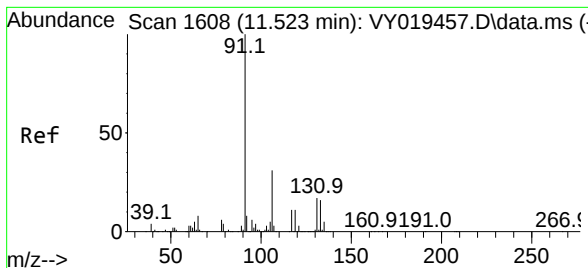
Ion Ratio Lower Upper

131 100

133 93.7 47.8 143.3

119 68.1 34.1 102.2





#67

Ethyl Benzene

Concen: 2.471 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

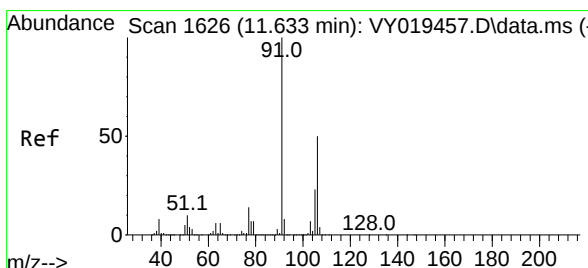
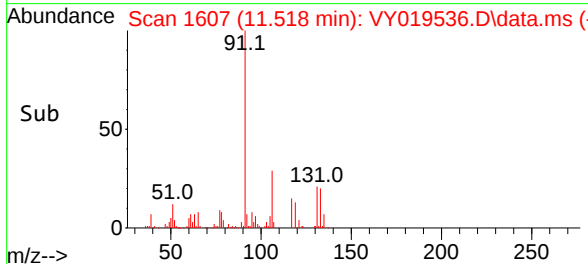
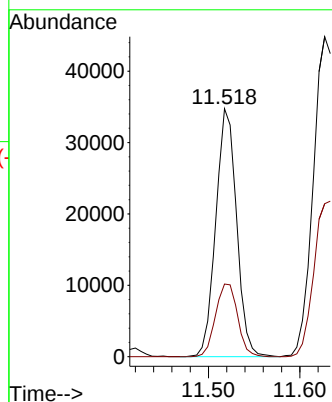
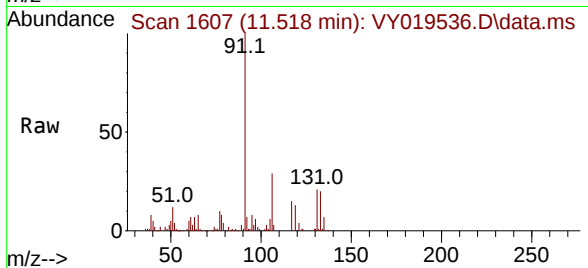
MDL-SOIL-03-QT3-2024

Tgt Ion: 91 Resp: 55003

Ion Ratio Lower Upper

91 100

106 29.3 24.5 36.7



#68

m/p-Xylenes

Concen: 4.896 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VY019536.D

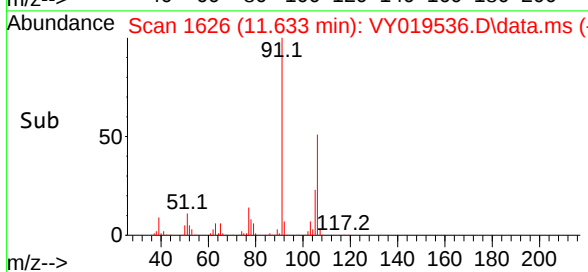
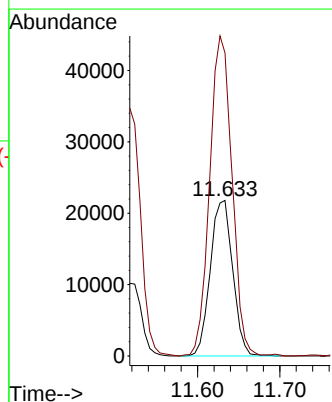
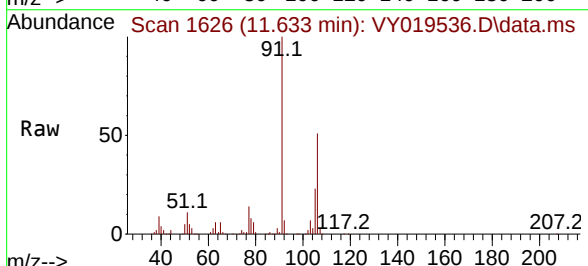
Acq: 13 Sep 2024 12:55

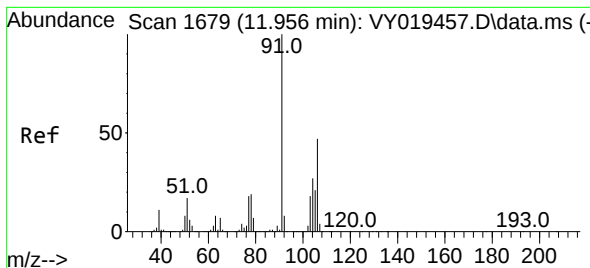
Tgt Ion:106 Resp: 41210

Ion Ratio Lower Upper

106 100

91 205.2 156.0 234.0





#69

o-Xylene

Concen: 2.488 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

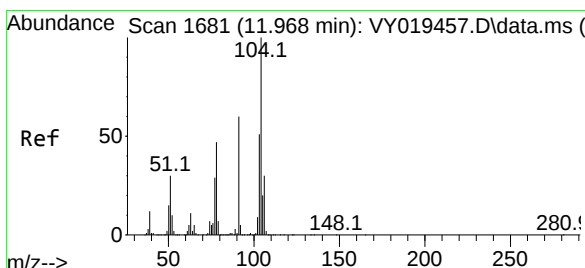
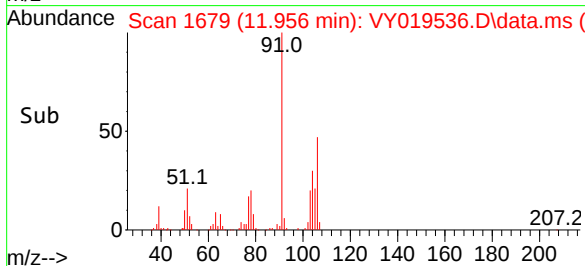
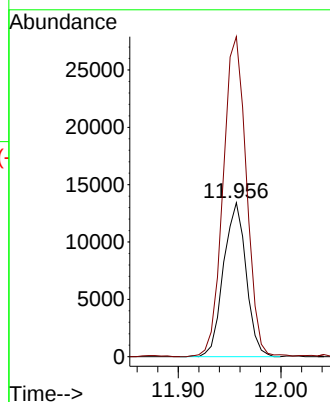
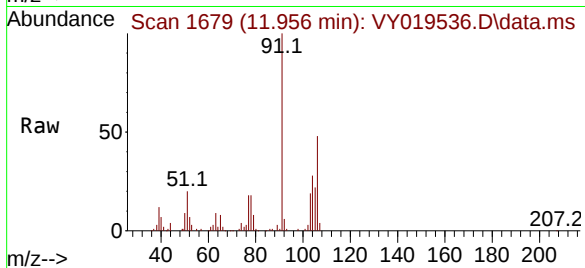
MDL-SOIL-03-QT3-2024

Tgt Ion:106 Resp: 20478

Ion Ratio Lower Upper

106 100

91 214.5 103.6 310.8



#70

Styrene

Concen: 2.346 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

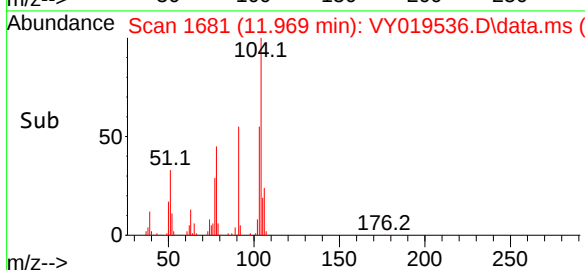
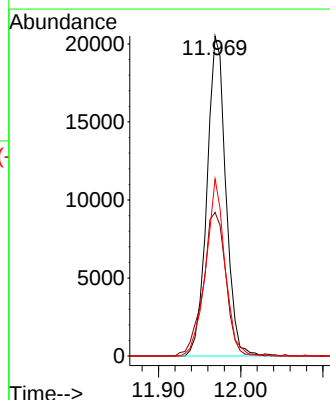
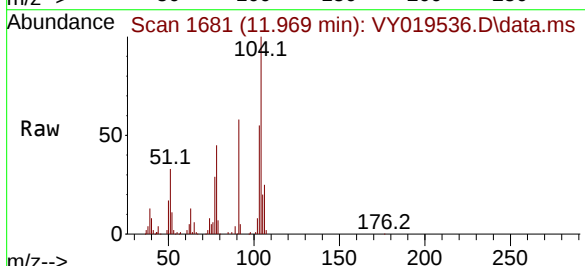
Tgt Ion:104 Resp: 32601

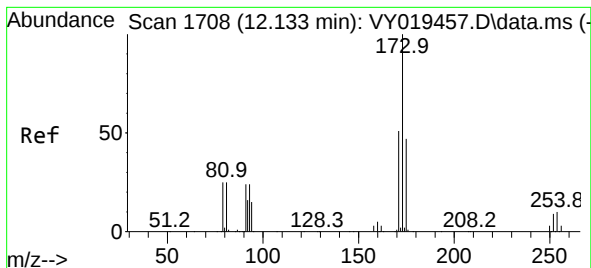
Ion Ratio Lower Upper

104 100

78 53.9 37.0 55.4

103 56.3 44.2 66.2





#71

Bromoform

Concen: 2.793 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

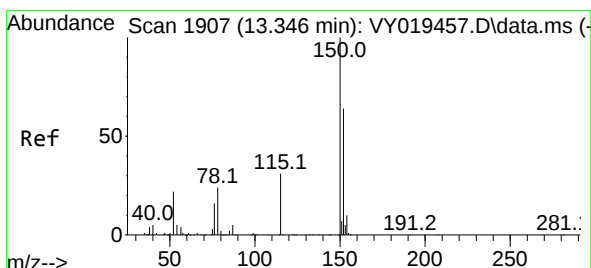
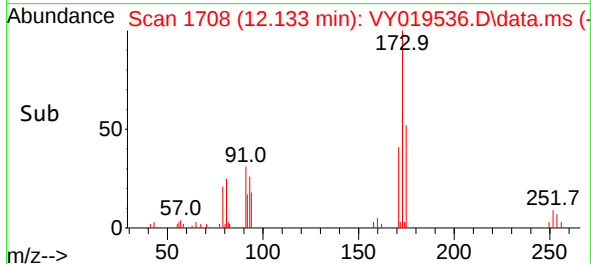
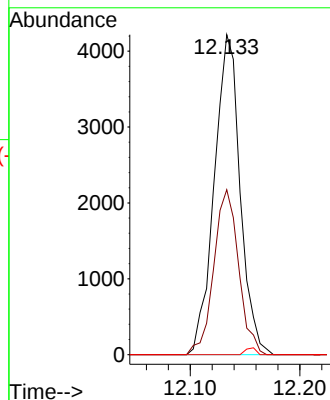
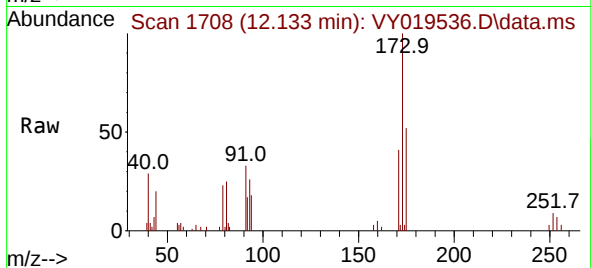
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:173	Resp:	6918
Ion Ratio	Lower	Upper
173	100	
175	49.5	25.1 75.3
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

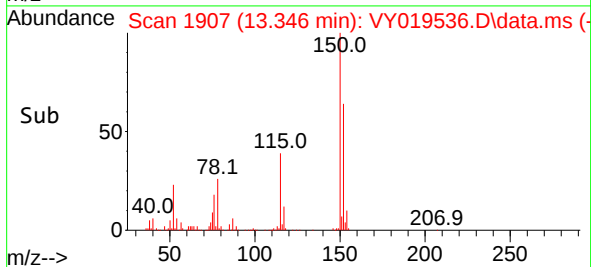
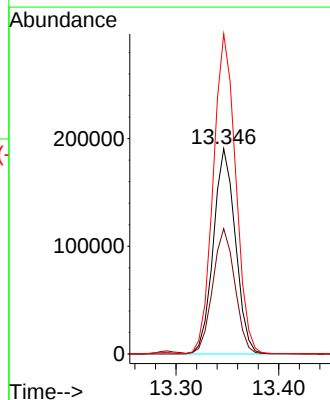
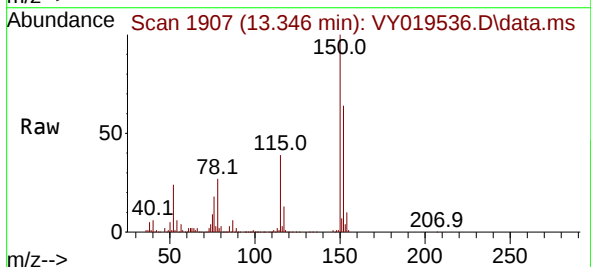
RT: 13.346 min Scan# 1907

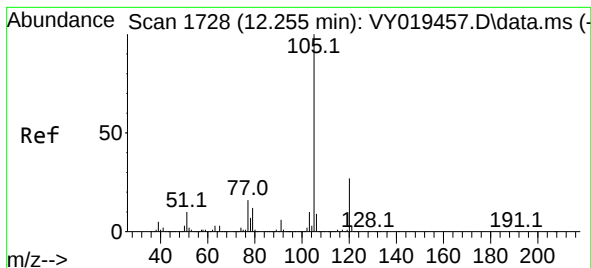
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion:152	Resp:	283469
Ion Ratio	Lower	Upper
152	100	
115	61.3	28.2 84.7
150	158.6	0.0 345.6





#73

Isopropylbenzene

Concen: 2.677 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

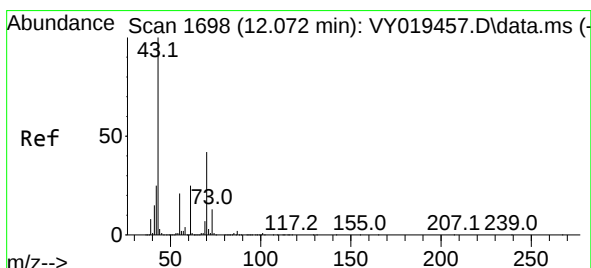
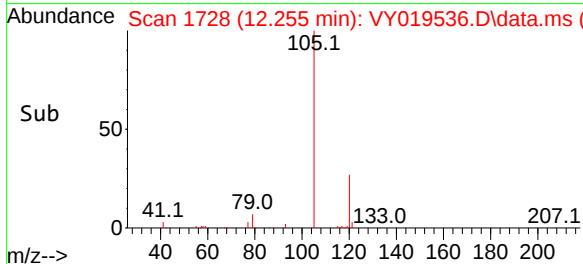
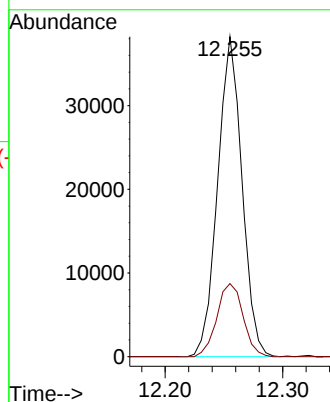
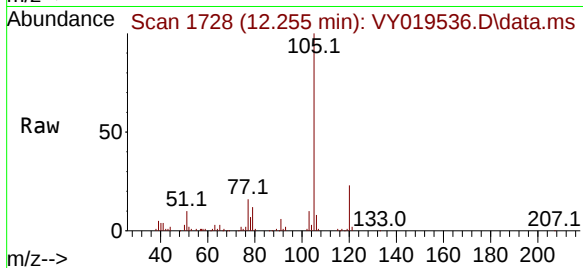
MDL-SOIL-03-QT3-2024

Tgt Ion:105 Resp: 55057

Ion Ratio Lower Upper

105 100

120 24.5 13.4 40.1



#74

N-ethyl acetate

Concen: 2.612 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion: 43 Resp: 14608

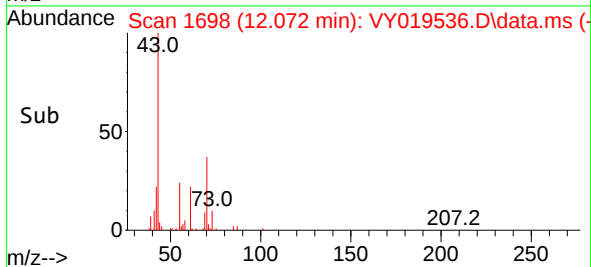
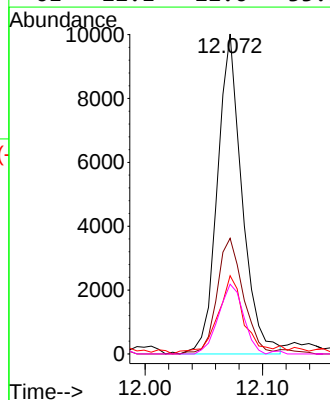
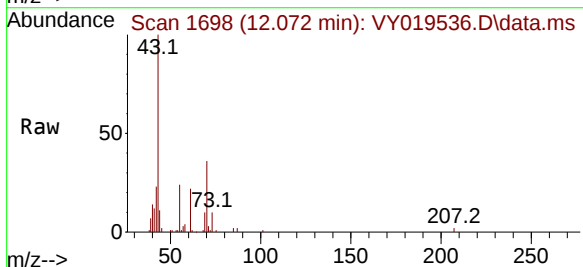
Ion Ratio Lower Upper

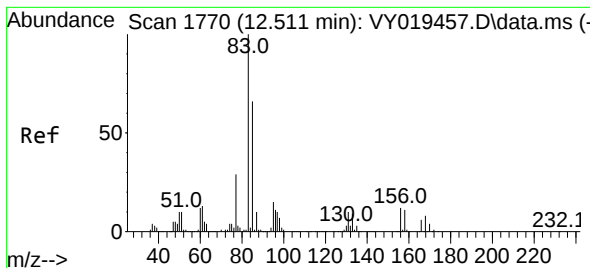
43 100

70 38.3 41.4 62.2#

55 25.9 23.3 34.9

61 22.1 22.6 33.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.768 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

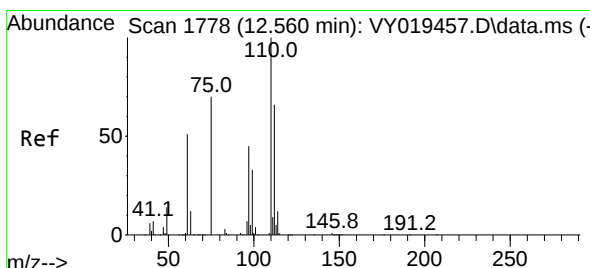
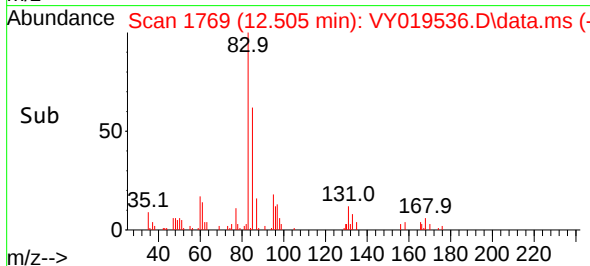
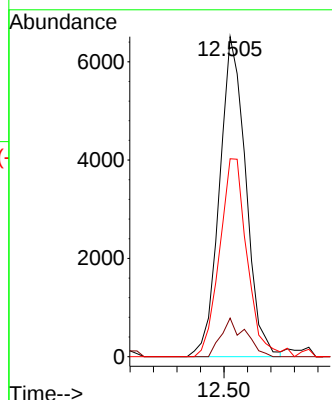
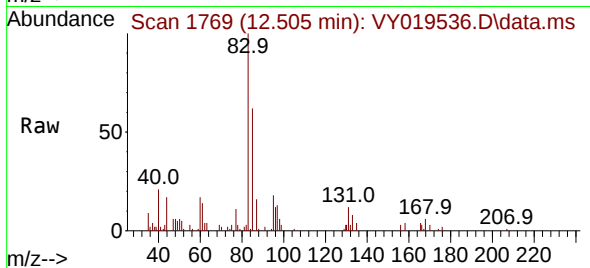
Tgt Ion: 83 Resp: 10102

Ion Ratio Lower Upper

83 100

131 11.2 5.0 14.9

85 65.0 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 5.071 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VY019536.D

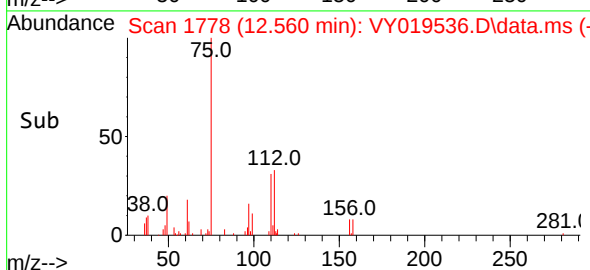
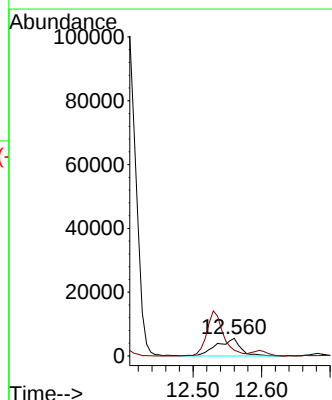
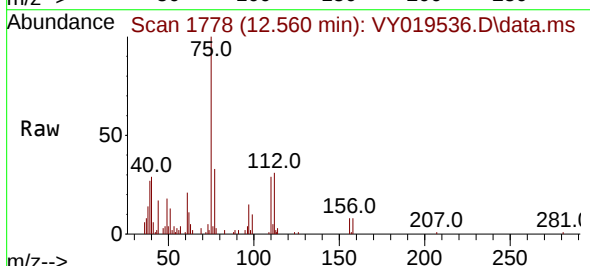
Acq: 13 Sep 2024 12:55

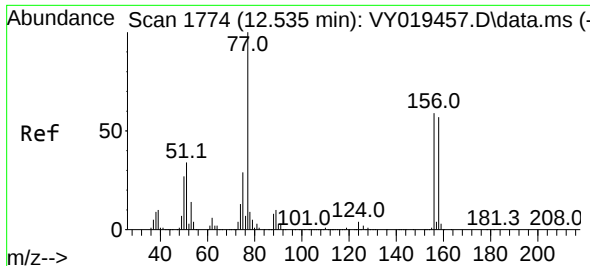
Tgt Ion: 75 Resp: 13474

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

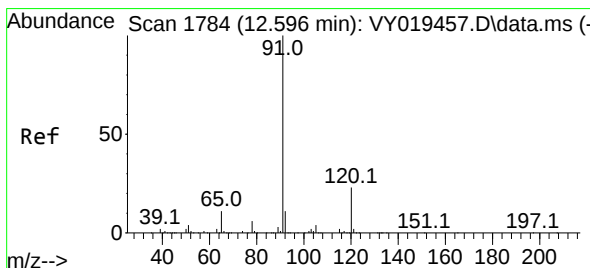
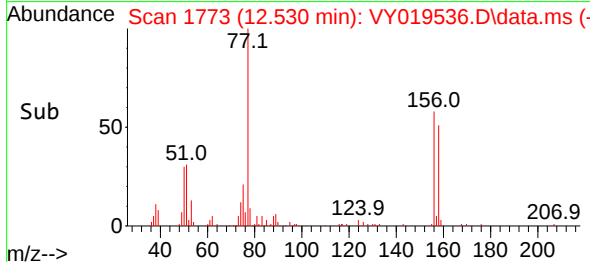
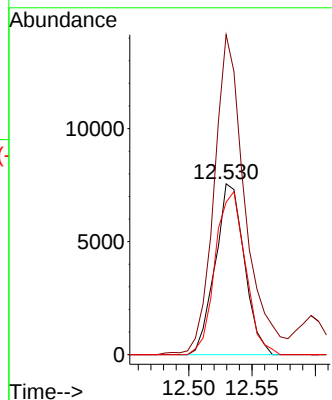
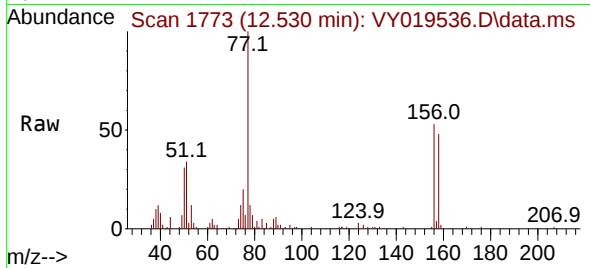




#77
Bromobenzene
Concen: 2.654 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

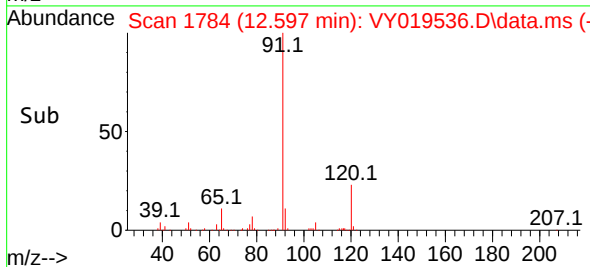
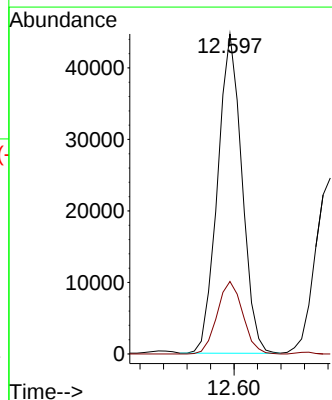
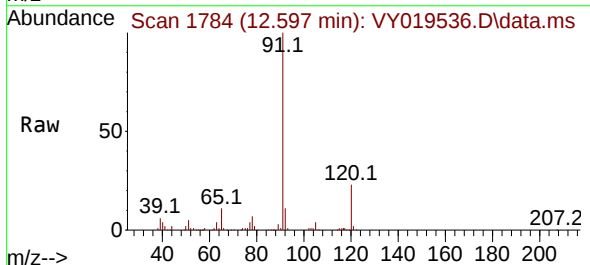
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

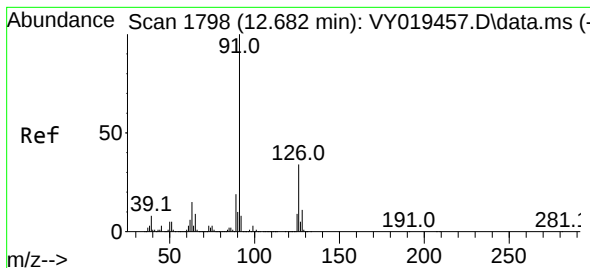
Tgt Ion:156 Resp: 12105
Ion Ratio Lower Upper
156 100
77 199.3 87.1 261.3
158 98.6 48.6 145.9



#78
n-propylbenzene
Concen: 2.641 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 91 Resp: 64367
Ion Ratio Lower Upper
91 100
120 23.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 2.736 ug/l

RT: 12.682 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

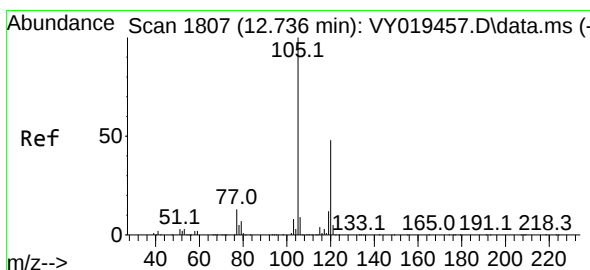
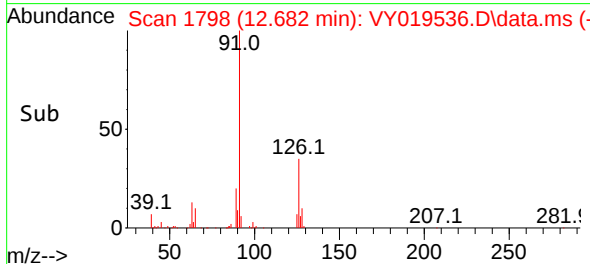
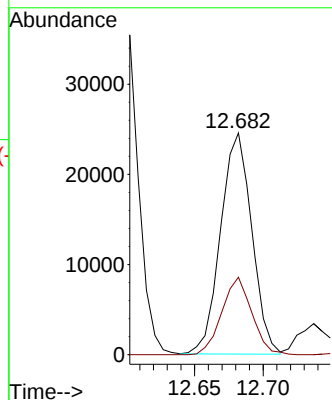
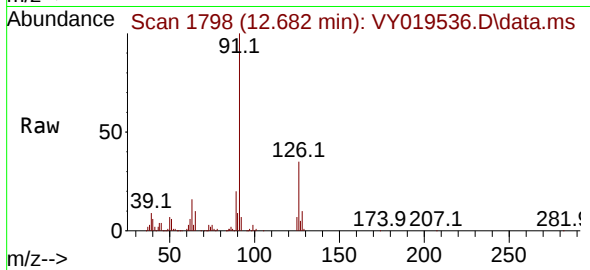
MDL-SOIL-03-QT3-2024

Tgt Ion: 91 Resp: 38872

Ion Ratio Lower Upper

91 100

126 33.6 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 2.607 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY019536.D

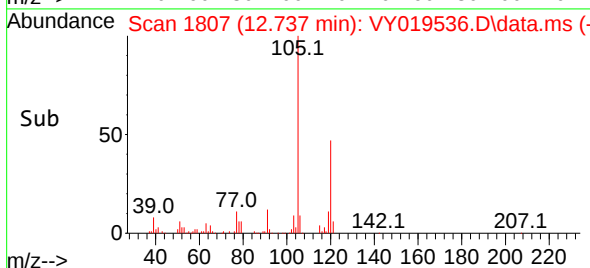
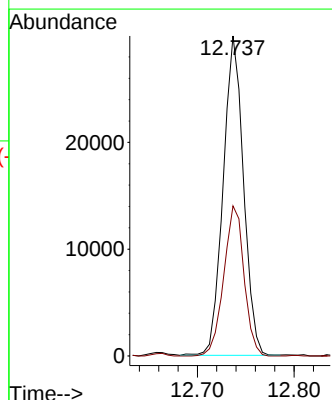
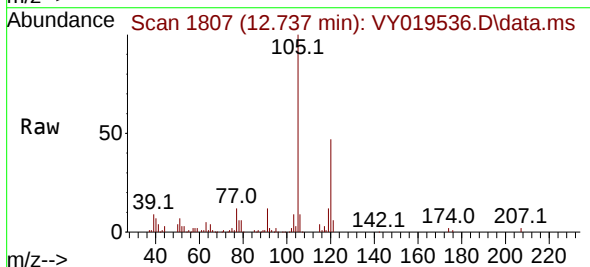
Acq: 13 Sep 2024 12:55

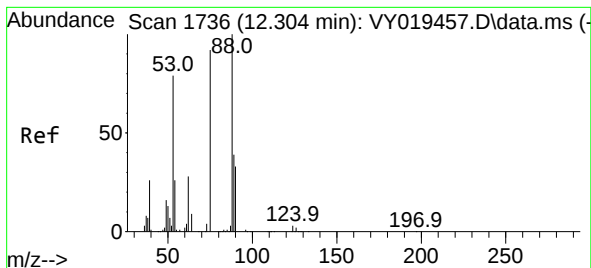
Tgt Ion: 105 Resp: 43588

Ion Ratio Lower Upper

105 100

120 46.9 25.1 75.2

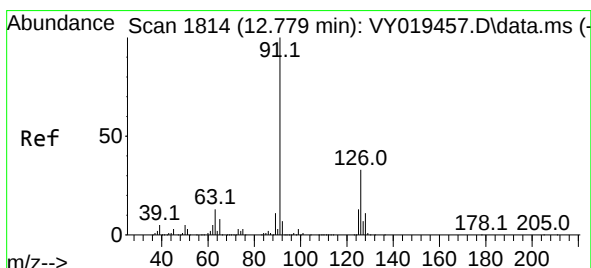
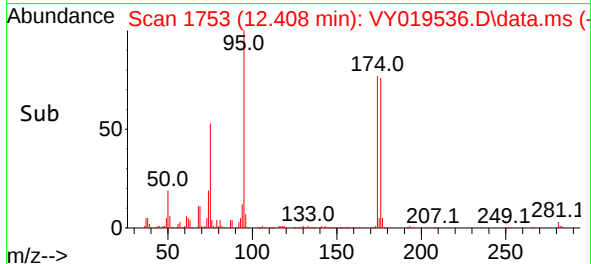
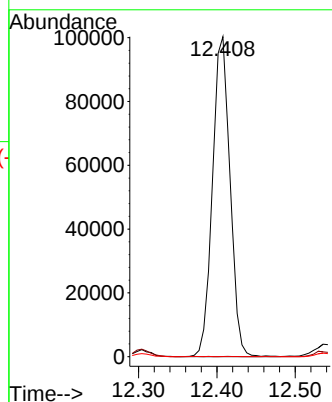
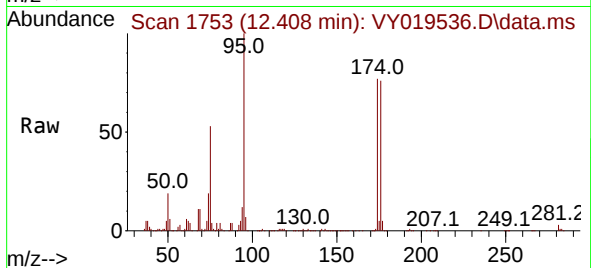




#81
trans-1,4-Dichloro-2-butene
Concen: 112.883 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

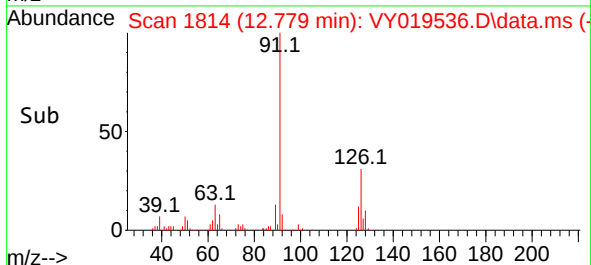
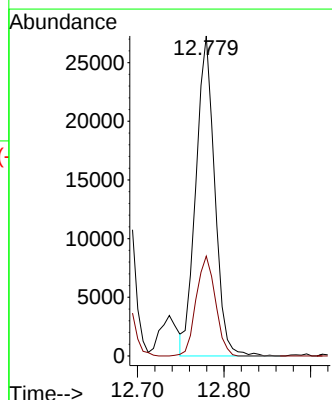
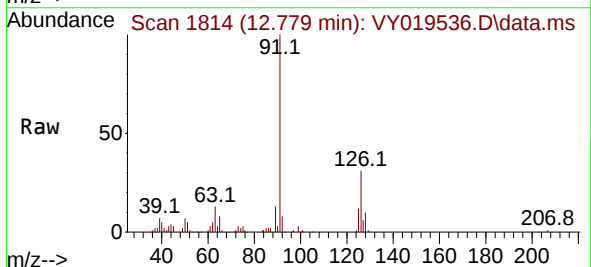
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

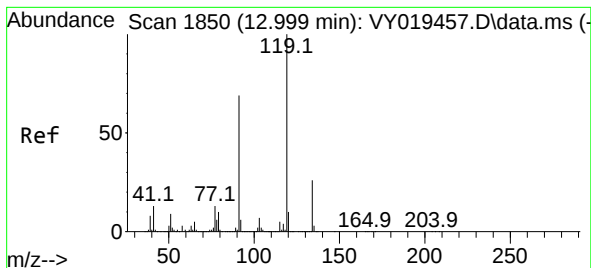
Tgt Ion: 75 Resp: 156233
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 2.814 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 91 Resp: 41094
Ion Ratio Lower Upper
91 100
126 31.9 17.6 52.9





#83

tert-Butylbenzene

Concen: 2.722 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

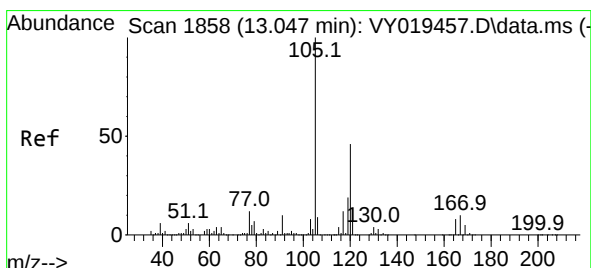
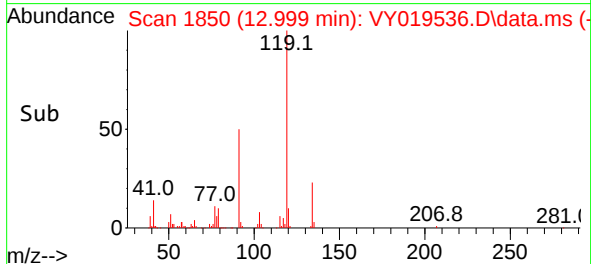
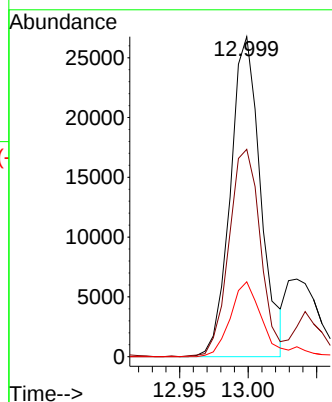
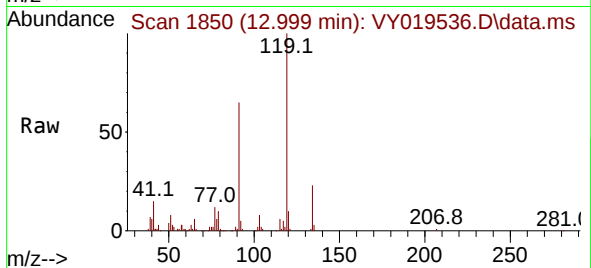
Tgt Ion:119 Resp: 41199

Ion Ratio Lower Upper

119 100

91 67.4 31.3 93.8

134 25.6 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 2.592 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019536.D

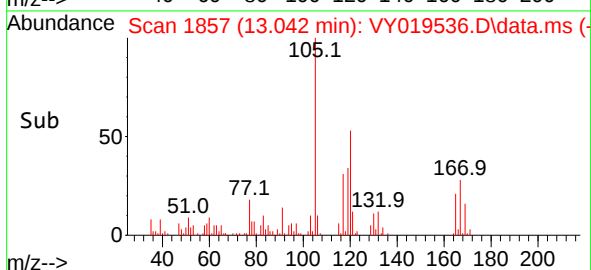
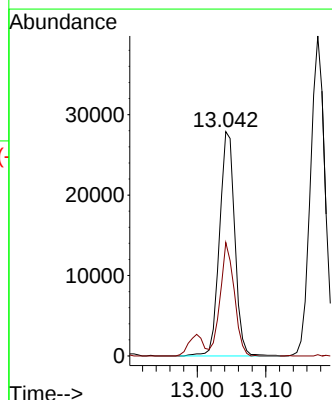
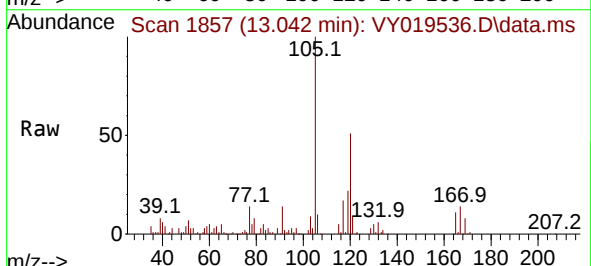
Acq: 13 Sep 2024 12:55

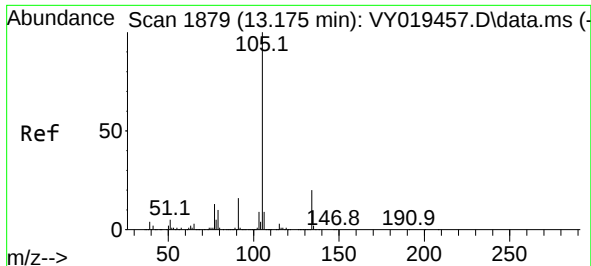
Tgt Ion:105 Resp: 42887

Ion Ratio Lower Upper

105 100

120 46.4 23.2 69.6

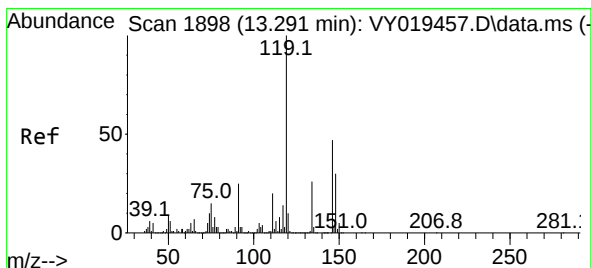
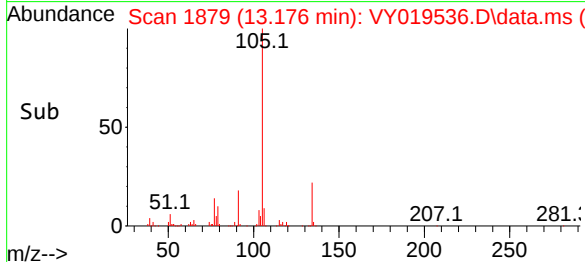
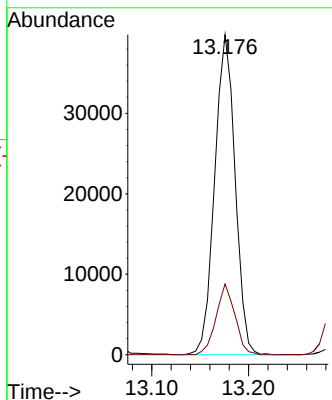
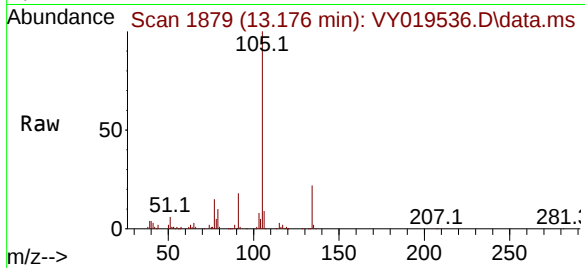




#85
 sec-Butylbenzene
 Concen: 2.651 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

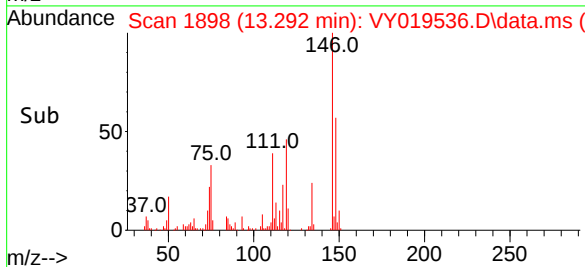
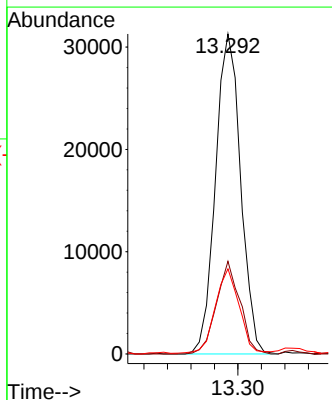
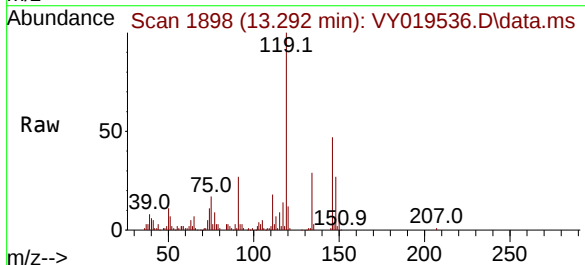
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

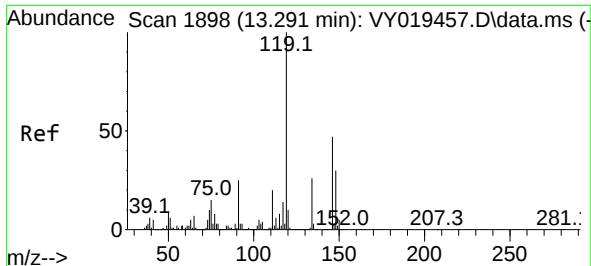
Tgt Ion:105 Resp: 58279
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 2.587 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

Tgt Ion:119 Resp: 46544
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.1 39.3
 91 25.2 10.7 32.1

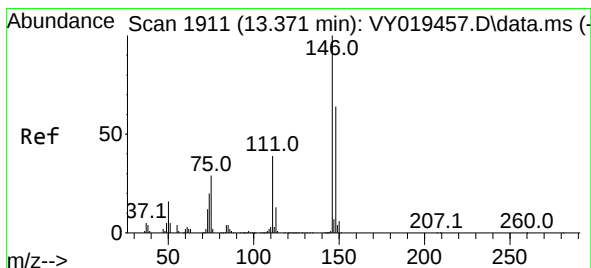
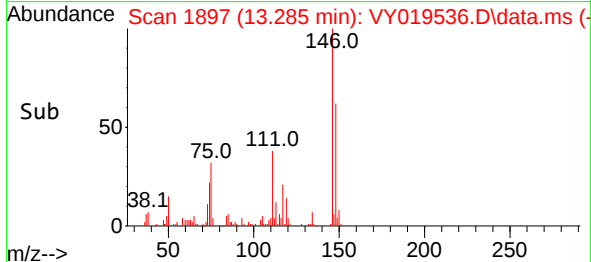
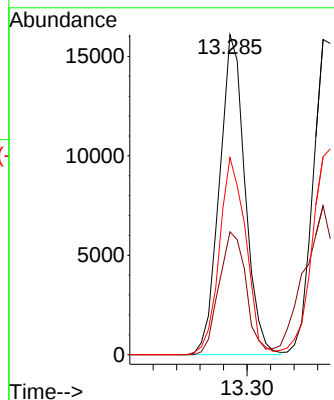
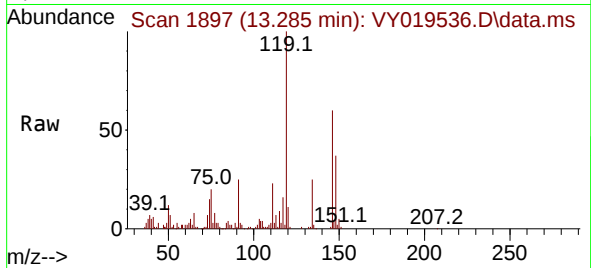




#87
1,3-Dichlorobenzene
Concen: 2.742 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

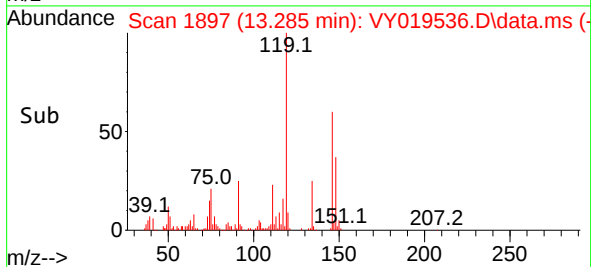
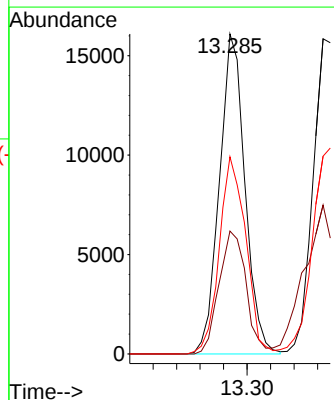
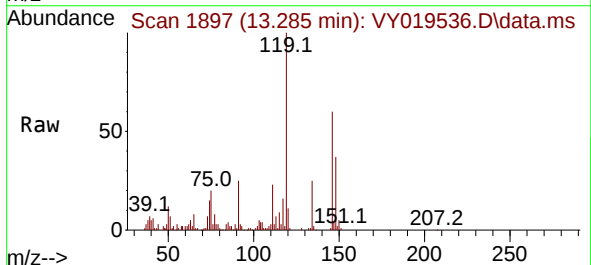
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

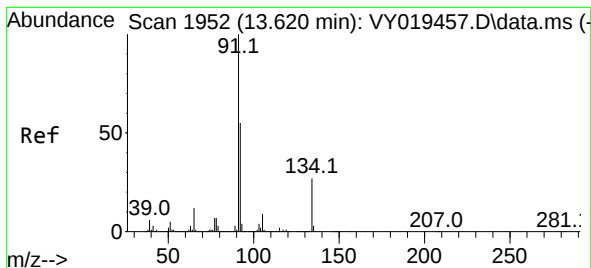
Tgt Ion:146 Resp: 24300
Ion Ratio Lower Upper
146 100
111 40.4 19.0 57.0
148 63.8 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 2.763 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.085 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion:146 Resp: 24300
Ion Ratio Lower Upper
146 100
111 40.4 18.4 55.4
148 63.8 32.4 97.2





#89

n-Butylbenzene

Concen: 2.553 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

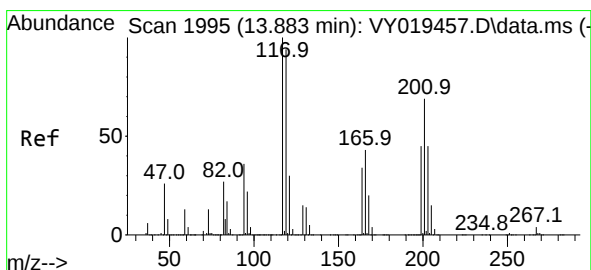
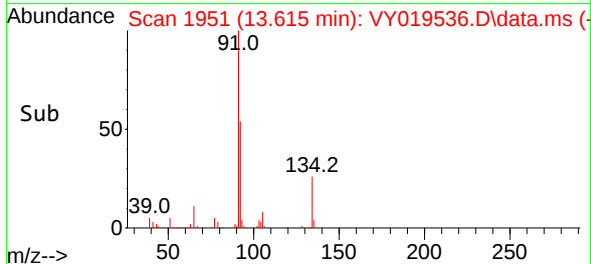
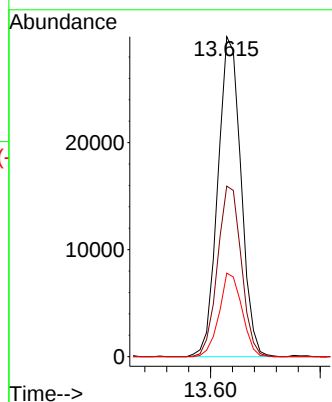
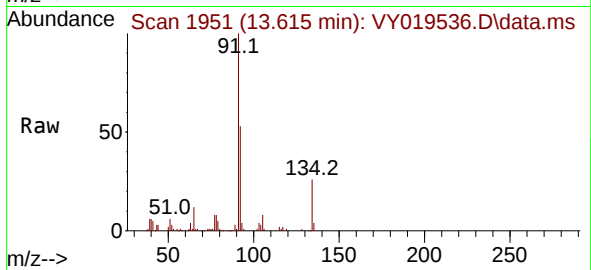
Tgt Ion: 91 Resp: 43902

Ion Ratio Lower Upper

91 100

92 54.6 26.6 79.7

134 25.7 12.9 38.7



#90

Hexachloroethane

Concen: 2.835 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY019536.D

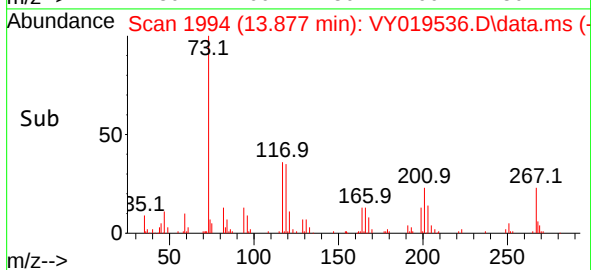
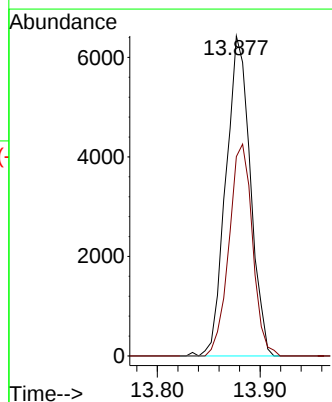
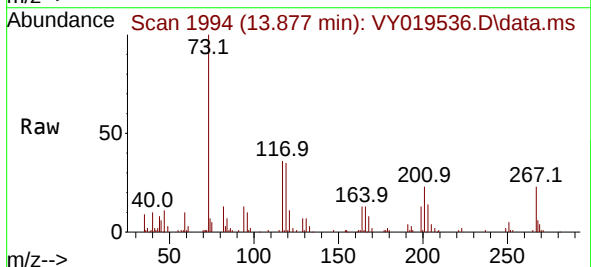
Acq: 13 Sep 2024 12:55

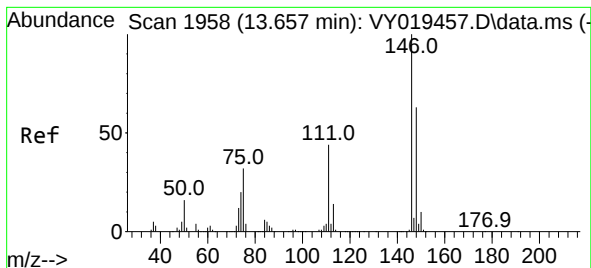
Tgt Ion: 117 Resp: 10610

Ion Ratio Lower Upper

117 100

201 63.7 37.4 112.2





#91

1,2-Dichlorobenzene

Concen: 2.774 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

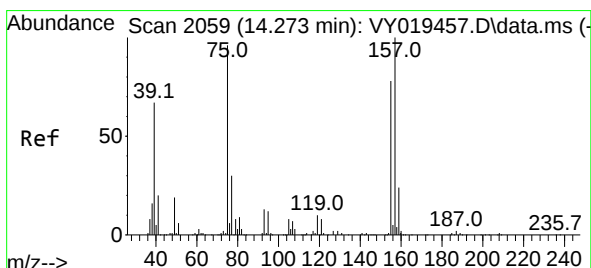
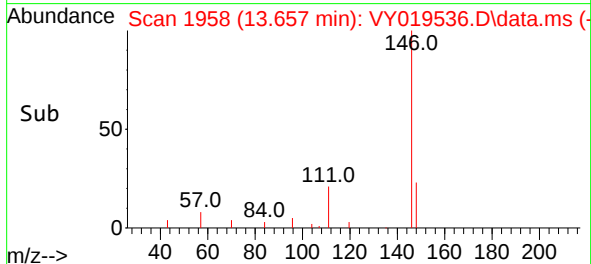
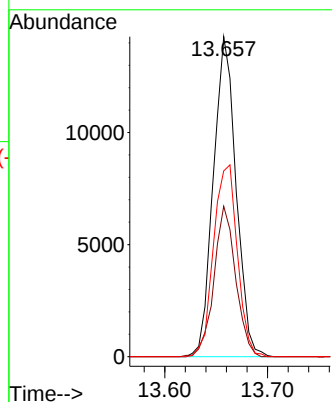
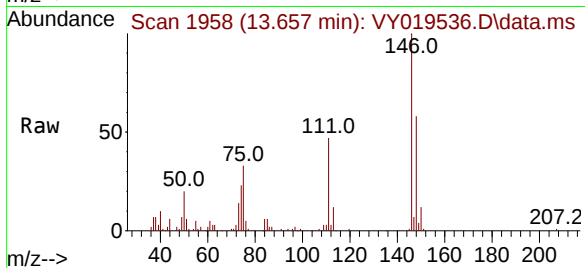
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:146	Resp:	21939
Ion Ratio	Lower	Upper
146	100	
111	44.8	19.9 59.7
148	62.7	31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.744 ug/l

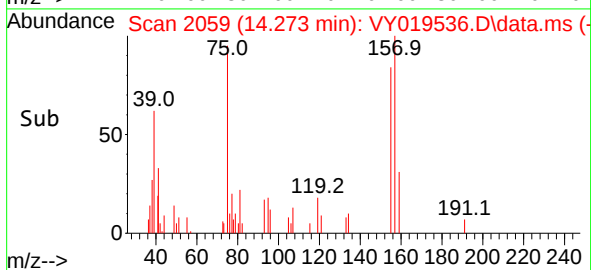
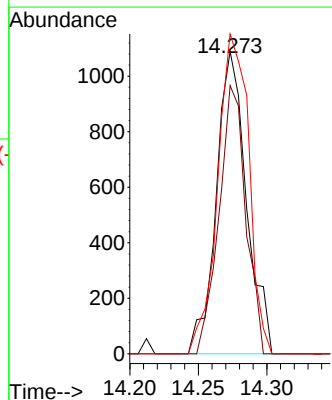
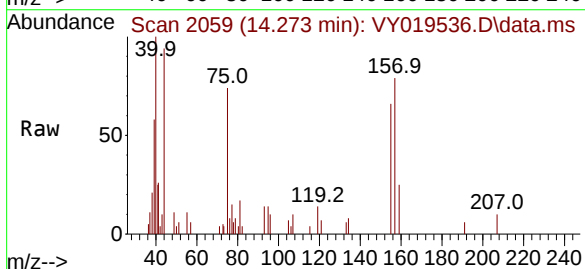
RT: 14.273 min Scan# 2059

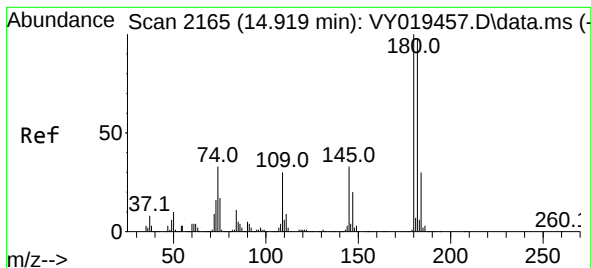
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion: 75	Resp:	1669
Ion Ratio	Lower	Upper
75	100	
155	78.7	48.6 145.8
157	108.9	62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 2.476 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

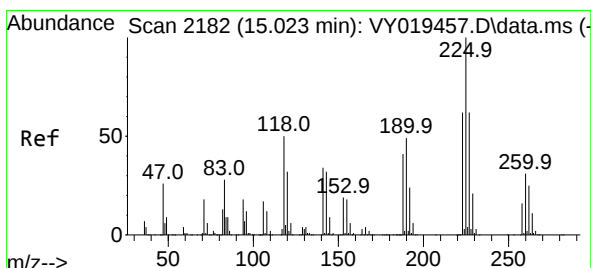
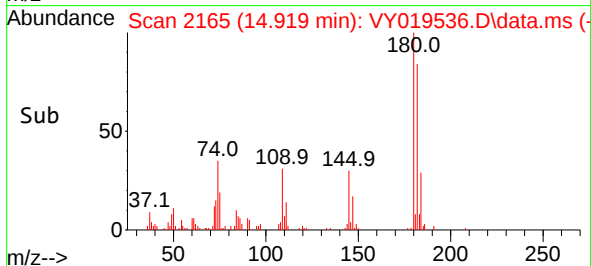
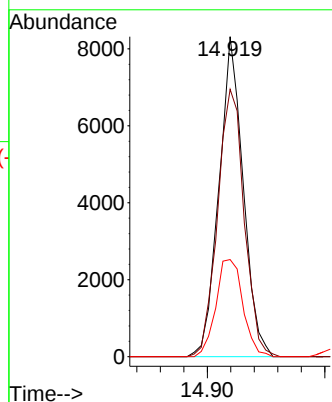
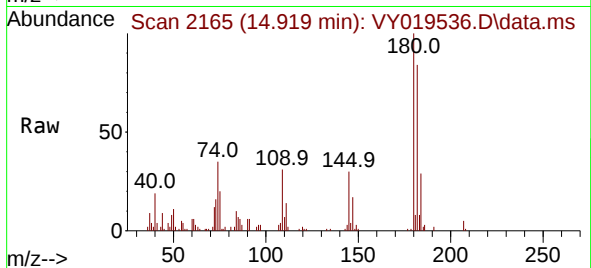
Tgt Ion:180 Resp: 11908

Ion Ratio Lower Upper

180 100

182 91.4 47.9 143.8

145 33.8 14.2 42.6



#94

Hexachlorobutadiene

Concen: 2.570 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

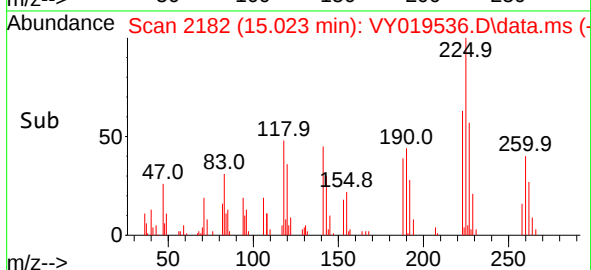
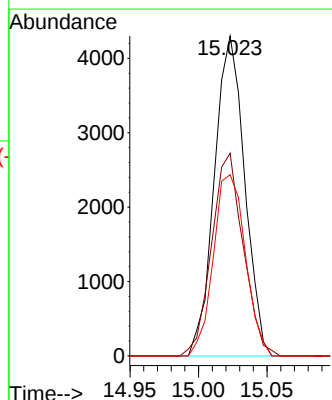
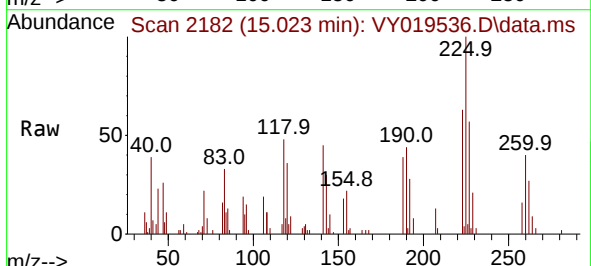
Tgt Ion:225 Resp: 6603

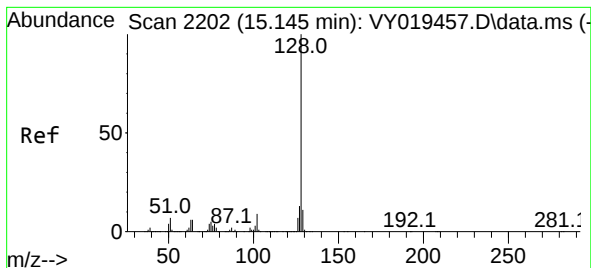
Ion Ratio Lower Upper

225 100

223 66.1 30.4 91.2

227 60.0 31.9 95.9





#95

Naphthalene

Concen: 2.451 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

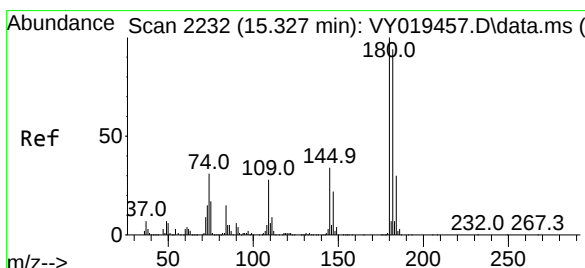
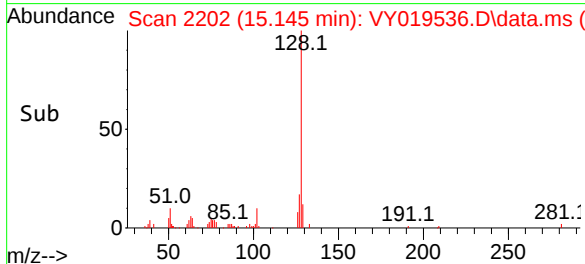
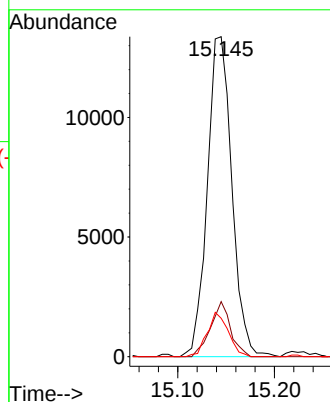
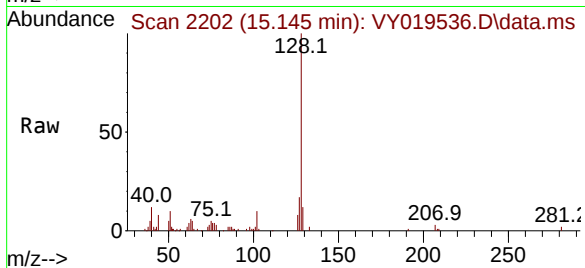
Tgt Ion:128 Resp: 23612

Ion Ratio Lower Upper

128 100

127 14.1 10.6 16.0

129 11.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.479 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion:180 Resp: 10201

Ion Ratio Lower Upper

180 100

182 96.8 47.6 142.9

145 37.6 15.4 46.1

