

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091222\
 Data File : VY010448.D
 Acq On : 12 Sep 2022 18:24
 Operator : KP/MD
 Sample : N3980-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Sep 13 05:27:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 05:24:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	189200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	315100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	281552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139705	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	121975	64.010	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.020%	
35) Dibromofluoromethane	7.709	113	113095	50.537	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.080%	
50) Toluene-d8	10.172	98	415997	57.357	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.720%	
62) 4-Bromofluorobenzene	12.477	95	145869	43.828	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.660%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	7576	5.226	ug/l	97
3) Chloromethane	2.107	50	11900	5.598	ug/l	96
4) Vinyl Chloride	2.235	62	13098	4.995	ug/l	95
5) Bromomethane	2.637	94	9038	4.919	ug/l	94
6) Chloroethane	2.777	64	8999	5.130	ug/l	98
7) Trichlorofluoromethane	3.113	101	16112	4.850	ug/l	100
8) Diethyl Ether	3.515	74	5568	5.175	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.881	101	9539	4.905	ug/l	91
10) Methyl Iodide	4.076	142	8943	3.716	ug/l	91
11) Tert butyl alcohol	4.936	59	4326	16.807	ug/l #	87
12) 1,1-Dichloroethene	3.857	96	8547	4.684	ug/l	90
13) Acrolein	3.722	56	4140	22.773	ug/l	97
14) Allyl chloride	4.460	41	13855	5.273	ug/l	95
15) Acrylonitrile	5.149	53	14027	26.933	ug/l	97
16) Acetone	3.942	43	14059	32.149	ug/l	97
17) Carbon Disulfide	4.174	76	23037	4.669	ug/l	96
18) Methyl Acetate	4.472	43	9677	7.193	ug/l #	89
19) Methyl tert-butyl Ether	5.204	73	24994	4.960	ug/l	93
20) Methylene Chloride	4.698	84	35618	13.346	ug/l #	82
21) trans-1,2-Dichloroethene	5.204	96	9916	4.786	ug/l	83
22) Diisopropyl ether	6.106	45	29637	5.053	ug/l #	93
23) Vinyl Acetate	6.051	43	81187	22.585	ug/l #	94
24) 1,1-Dichloroethane	6.002	63	18360	5.170	ug/l #	95
25) 2-Butanone	6.978	43	20226	29.103	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	17637	5.205	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	11180	4.643	ug/l	98
28) Bromochloromethane	7.325	49	6769	5.945	ug/l	85
29) Tetrahydrofuran	7.338	42	11953	27.558	ug/l	90
30) Chloroform	7.496	83	18459	4.900	ug/l	98
31) Cyclohexane	7.777	56	18623	5.785	ug/l #	73
32) 1,1,1-Trichloroethane	7.691	97	16604	4.868	ug/l	95
36) 1,1-Dichloropropene	7.905	75	13561	4.426	ug/l	97
37) Ethyl Acetate	7.069	43	8098	5.028	ug/l	97
38) Carbon Tetrachloride	7.892	117	14520	4.260	ug/l	98
39) Methylcyclohexane	9.173	83	15774	4.129	ug/l	96
40) Benzene	8.148	78	40206	4.559	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	11402	12.384	ug/l #	24
42) 1,2-Dichloroethane	8.228	62	12671	4.831	ug/l	95
43) Isopropyl Acetate	8.264	43	13995	4.748	ug/l #	91
44) Trichloroethene	8.929	130	10618	4.090	ug/l	98
45) 1,2-Dichloropropane	9.209	63	9886	4.596	ug/l	94
46) Dibromomethane	9.295	93	5926	4.569	ug/l	96
47) Bromodichloromethane	9.490	83	14344	4.656	ug/l	98
48) Methyl methacrylate	9.288	41	5793	4.376	ug/l #	81
49) 1,4-Dioxane	9.288	88	1623	94.524	ug/l	87
51) 4-Methyl-2-Pentanone	10.063	43	38983	24.113	ug/l	92
52) Toluene	10.240	92	25275	4.379	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	14174	4.470	ug/l	98
54) cis-1,3-Dichloropropene	9.922	75	15770	4.410	ug/l #	89
55) 1,1,2-Trichloroethane	10.636	97	8361	4.531	ug/l	95
56) Ethyl methacrylate	10.502	69	10470	4.321	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	14600	4.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	26743	32.442	ug/l	95
59) 2-Hexanone	10.825	43	25829	23.438	ug/l	94
60) Dibromochloromethane	10.977	129	10071	4.467	ug/l	98
61) 1,2-Dibromoethane	11.087	107	7992	4.462	ug/l	98
64) Tetrachloroethene	10.715	164	10747	4.235	ug/l	89
65) Chlorobenzene	11.514	112	27625	4.387	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	10076	4.321	ug/l	95
67) Ethyl Benzene	11.587	91	47623	4.273	ug/l	98
68) m/p-Xylenes	11.697	106	35453	8.104	ug/l	96
69) o-Xylene	12.026	106	17000	4.069	ug/l	94
70) Styrene	12.038	104	28366	4.012	ug/l	96
71) Bromoform	12.203	173	6133	4.206	ug/l #	94
73) Isopropylbenzene	12.325	105	46238	4.242	ug/l	98
74) N-amyl acetate	12.142	43	11724	4.610	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.574	83	10450	5.125	ug/l	95
76) 1,2,3-Trichloropropane	12.629	75	13367	8.669	ug/l #	100
77) Bromobenzene	12.605	156	11174	4.326	ug/l	100
78) n-propylbenzene	12.666	91	56053	4.343	ug/l	99
79) 2-Chlorotoluene	12.751	91	31822	4.389	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	39616	4.307	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	3154	4.542	ug/l	93
82) 4-Chlorotoluene	12.849	91	32999	4.375	ug/l	99
83) tert-Butylbenzene	13.068	119	32339	4.023	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	37833	4.204	ug/l	98
85) sec-Butylbenzene	13.251	105	49052	4.121	ug/l	99
86) p-Isopropyltoluene	13.367	119	40430	4.016	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	22112	4.263	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	22061	4.295	ug/l	93
89) n-Butylbenzene	13.690	91	39812	4.356	ug/l	98
90) Hexachloroethane	13.958	117	8476	4.484	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	19482	4.241	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1784	5.183	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	11579	4.058	ug/l	97
94) Hexachlorobutadiene	15.105	225	7330	4.258	ug/l	95
95) Naphthalene	15.233	128	22771	4.046	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	10468	4.203	ug/l	97

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Response via : Initial Calibration

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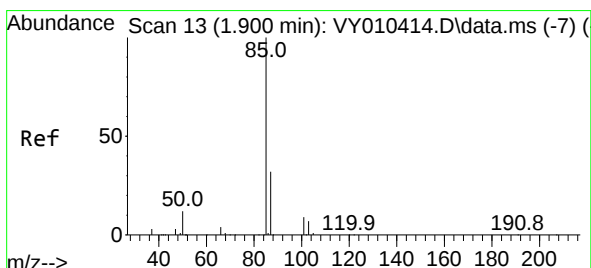
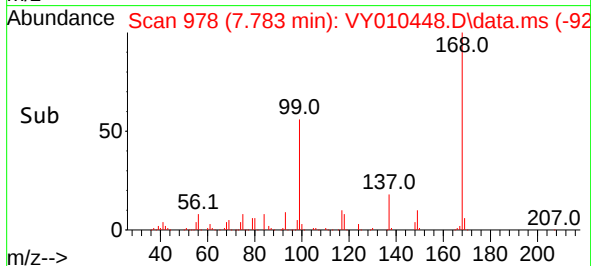
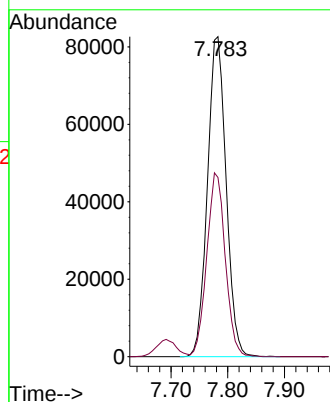
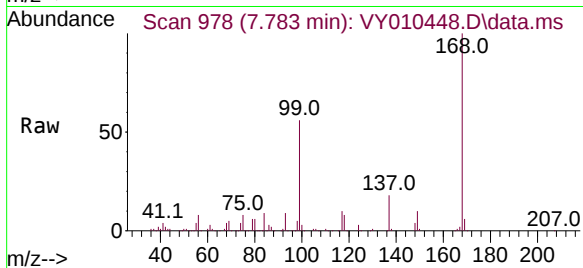
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010448.D
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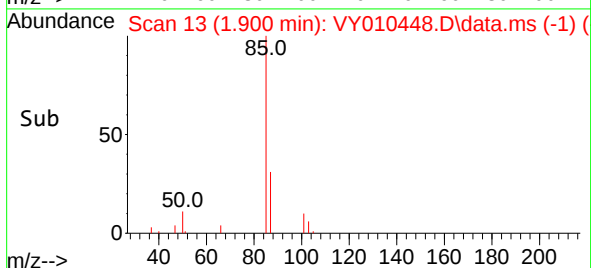
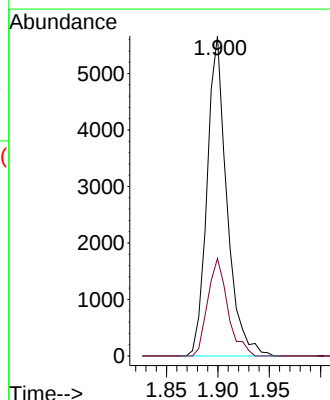
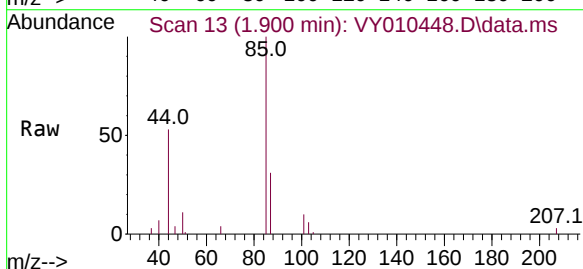
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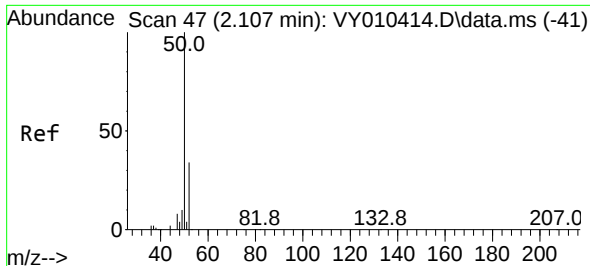
Tgt Ion:168 Resp: 189200
Ion Ratio Lower Upper
168 100
99 56.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 5.226 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 85 Resp: 7576
Ion Ratio Lower Upper
85 100
87 30.5 16.1 48.2

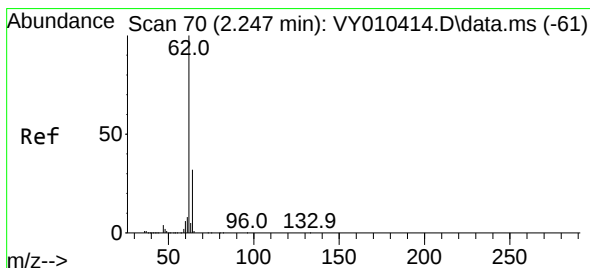
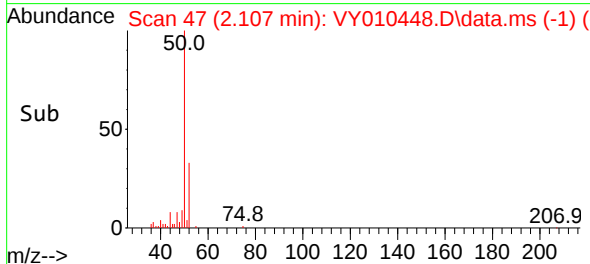
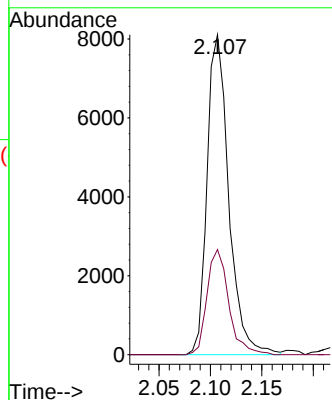
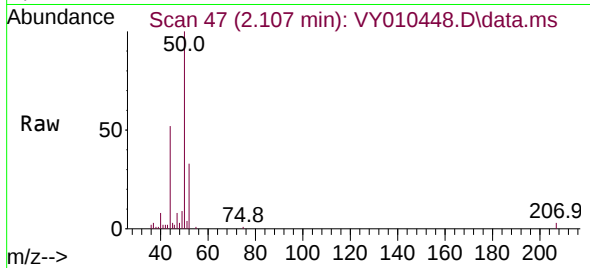




#3
Chloromethane
Concen: 5.598 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

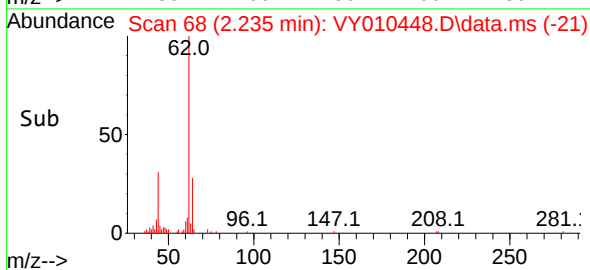
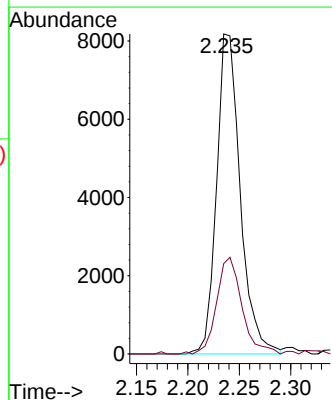
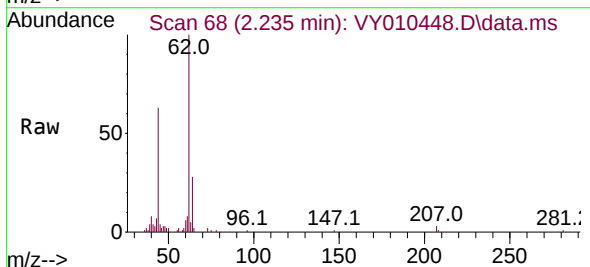
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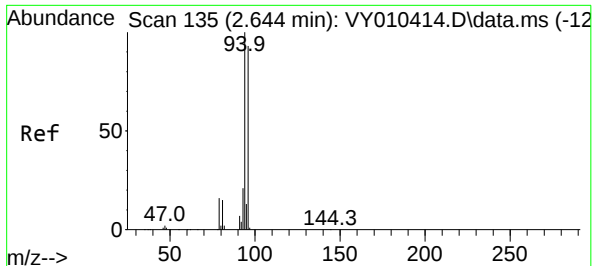
Tgt Ion: 50 Resp: 11900
Ion Ratio Lower Upper
50 100
52 32.8 24.6 37.0



#4
Vinyl Chloride
Concen: 4.995 ug/l
RT: 2.235 min Scan# 68
Delta R.T. -0.012 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 62 Resp: 13098
Ion Ratio Lower Upper
62 100
64 28.3 25.0 37.6

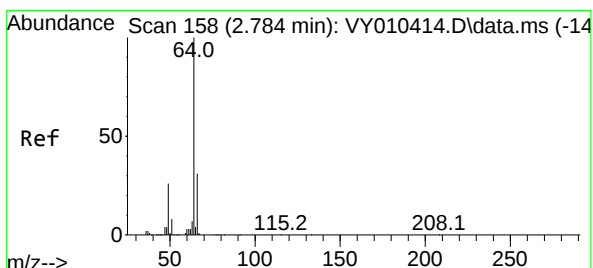
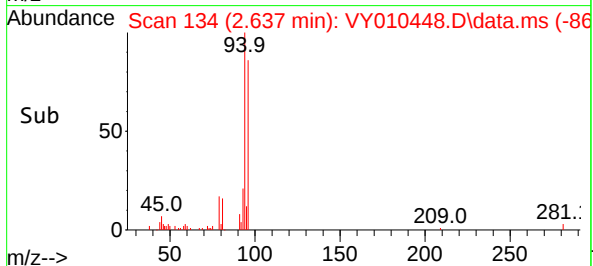
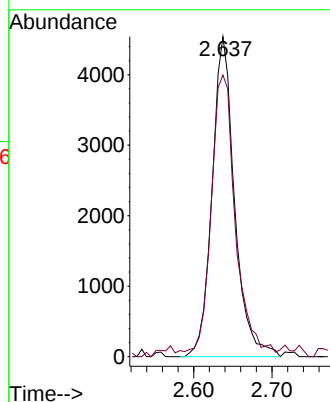
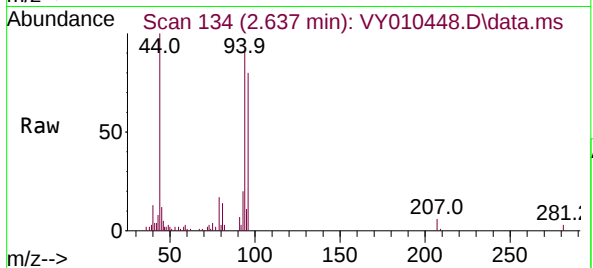




#5
Bromomethane
Concen: 4.919 ug/l
RT: 2.637 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

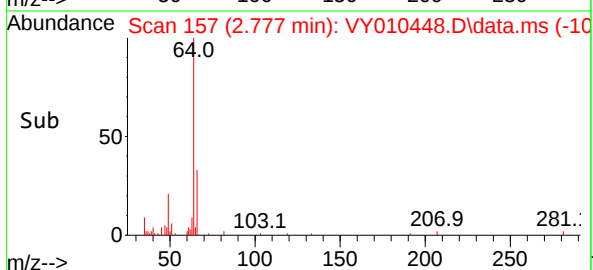
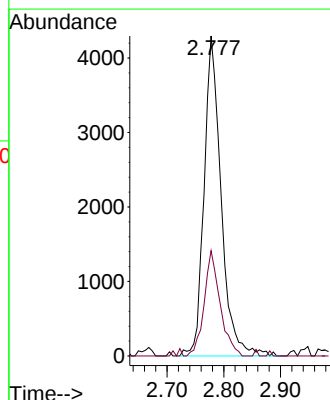
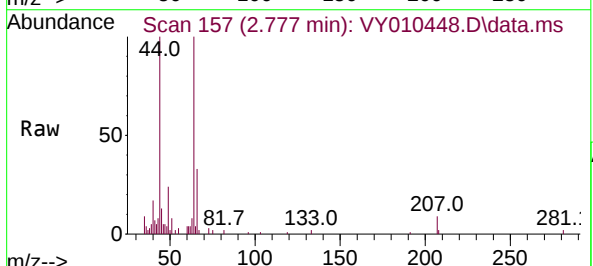
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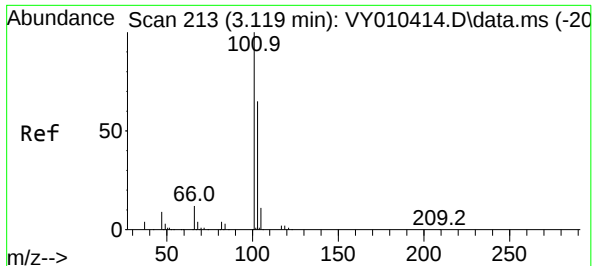
Tgt Ion: 94 Resp: 9038
Ion Ratio Lower Upper
94 100
96 86.1 73.5 110.3



#6
Chloroethane
Concen: 5.130 ug/l
RT: 2.777 min Scan# 157
Delta R.T. -0.007 min
Lab File: VY010448.D
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Tgt Ion: 64 Resp: 8999
Ion Ratio Lower Upper
64 100
66 32.9 25.4 38.0

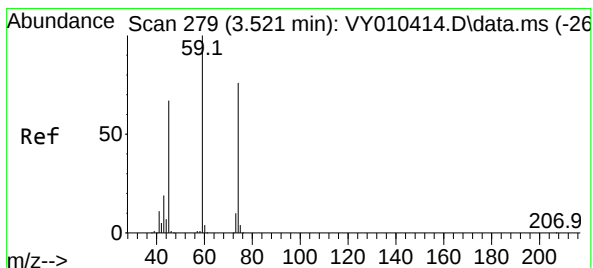
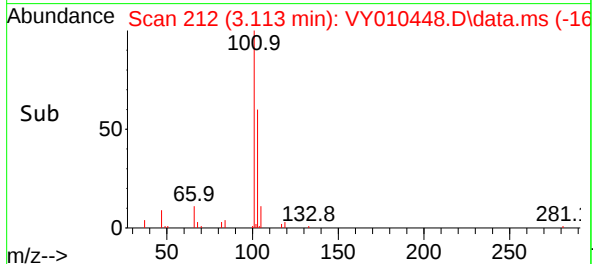
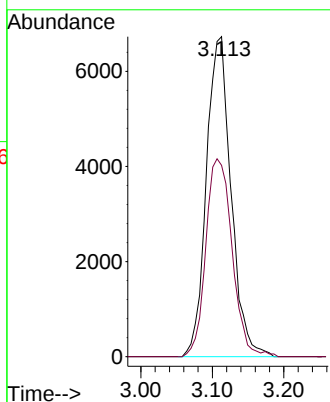
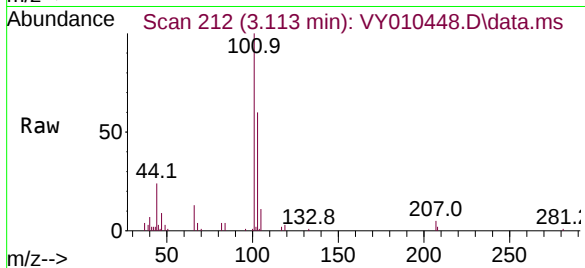




#7
Trichlorofluoromethane
Concen: 4.850 ug/l
RT: 3.113 min Scan# 213
Delta R.T. -0.006 min
Lab File: VY010448.D
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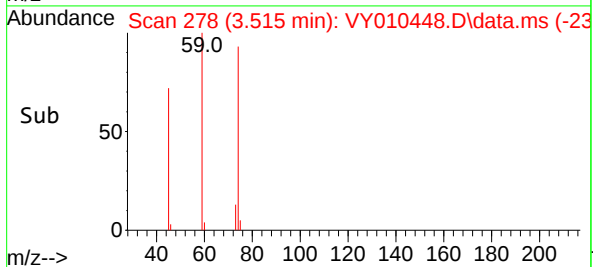
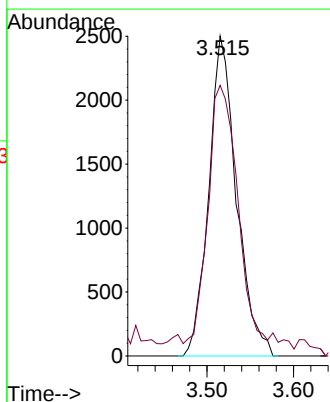
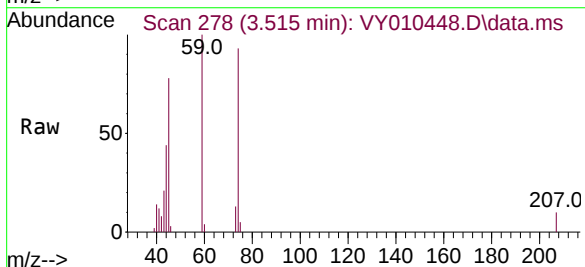
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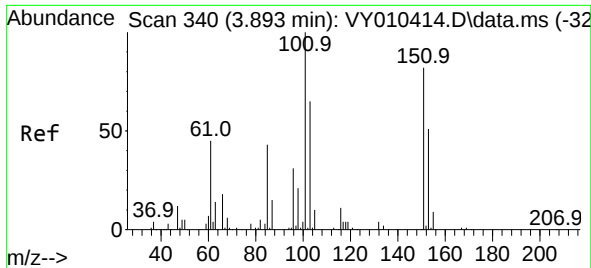
Tgt Ion:101 Resp: 16112
Ion Ratio Lower Upper
101 100
103 59.8 48.0 72.0



#8
Diethyl Ether
Concen: 5.175 ug/l
RT: 3.515 min Scan# 278
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 74 Resp: 5568
Ion Ratio Lower Upper
74 100
45 91.2 55.1 165.5

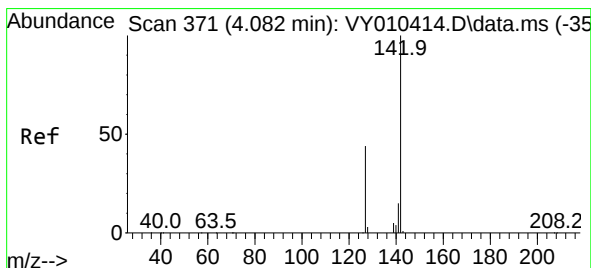
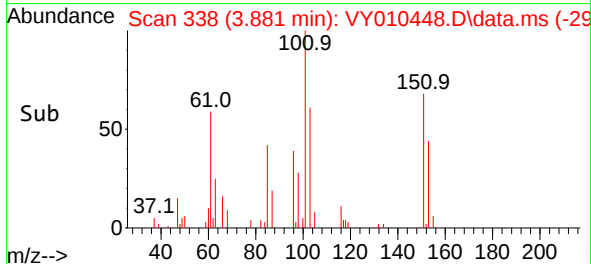
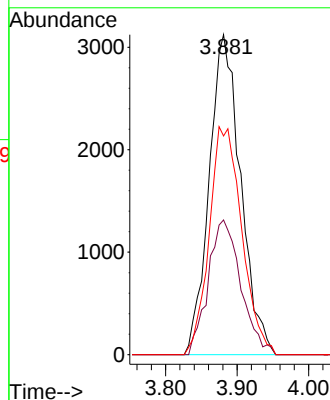
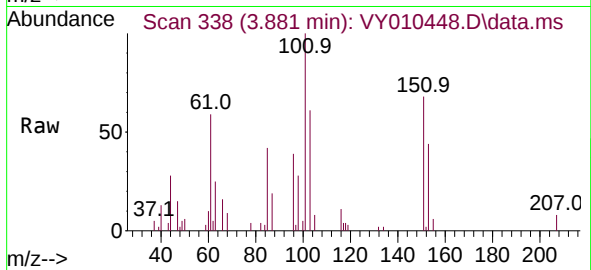




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.905 ug/l
RT: 3.881 min Scan# 31
Delta R.T. -0.012 min
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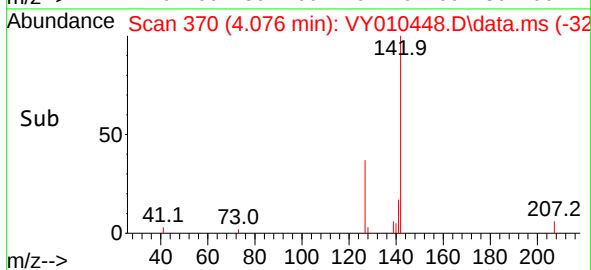
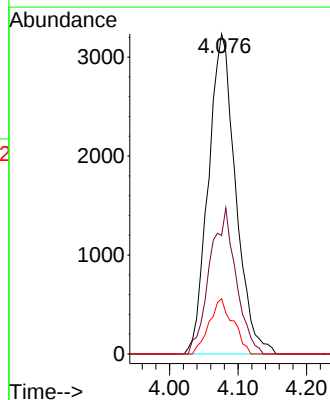
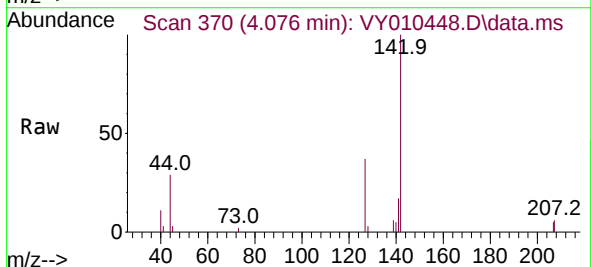
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

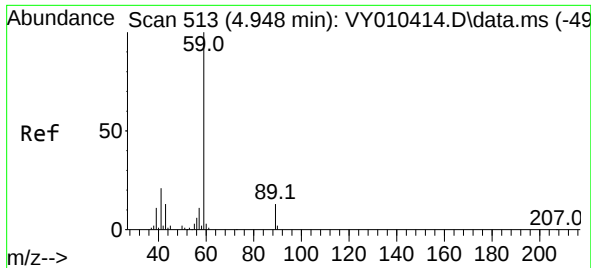
Tgt Ion:101	Resp:	9539
Ion	Ratio	Lower Upper
101	100	
85	43.8	40.6 60.8
151	73.8	64.9 97.3



#10
Methyl Iodide
Concen: 3.716 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:142	Resp:	8943
Ion	Ratio	Lower Upper
142	100	
127	43.9	41.5 62.3
141	15.1	11.9 17.9

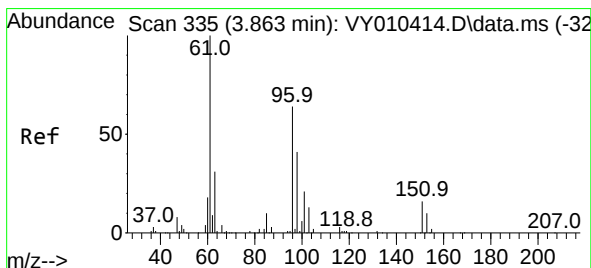
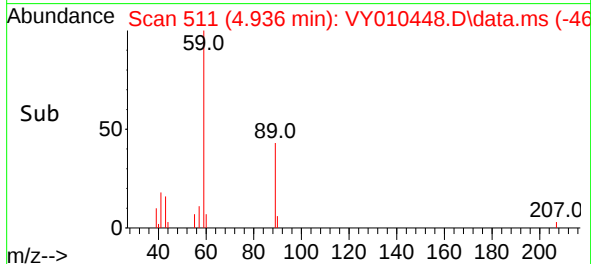
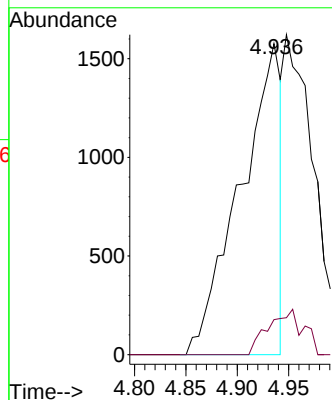
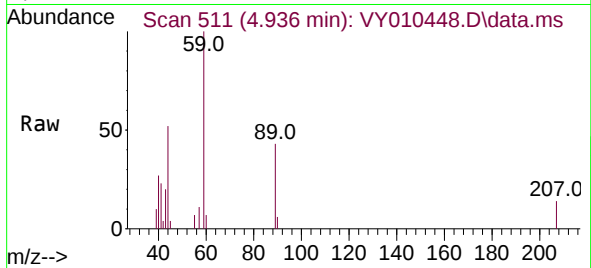




#11
Tert butyl alcohol
Concen: 16.807 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

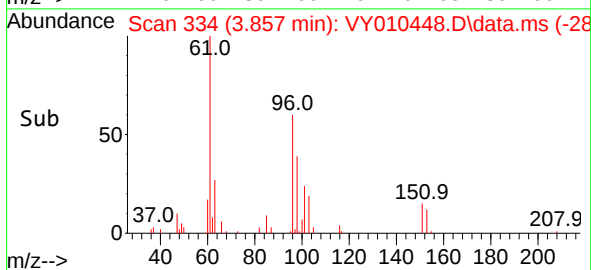
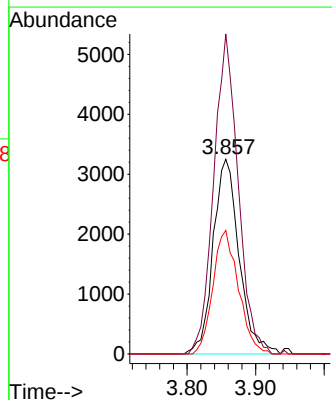
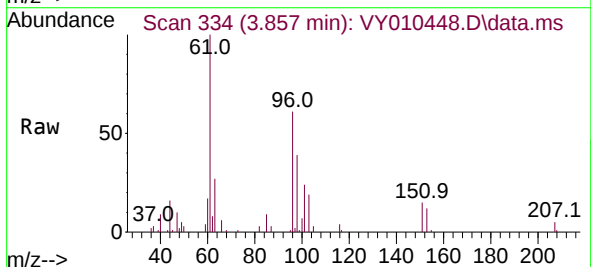
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

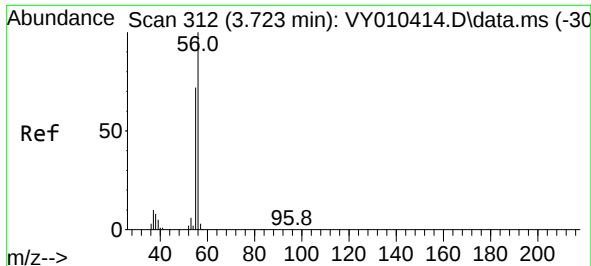
Tgt Ion: 59 Resp: 4326
Ion Ratio Lower Upper
59 100
57 12.4 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 4.684 ug/l
RT: 3.857 min Scan# 334
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 96 Resp: 8547
Ion Ratio Lower Upper
96 100
61 164.4 145.8 218.6
98 63.4 52.5 78.7





#13

Acrolein

Concen: 22.773 ug/l

RT: 3.722 min Scan# 312

Delta R.T. -0.001 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

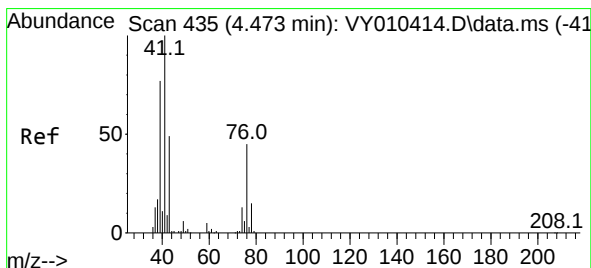
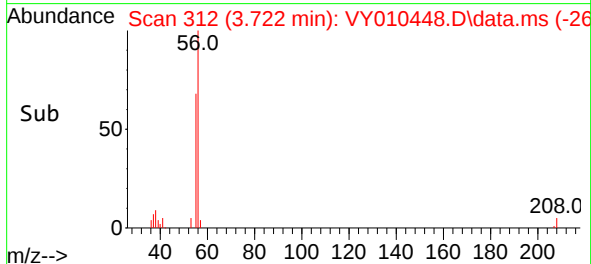
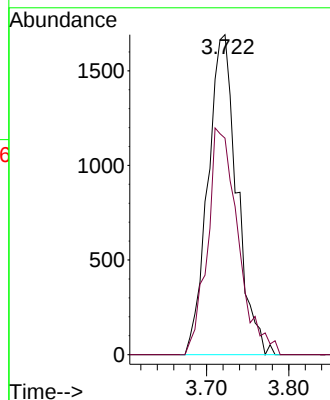
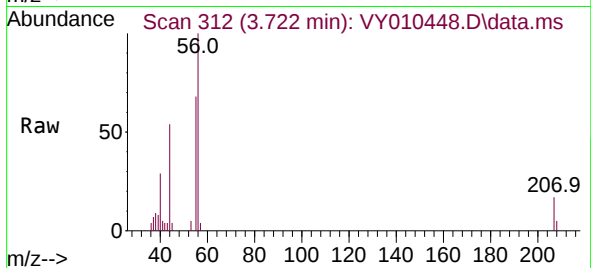
MDL-SOIL-03-QT3-2022

Tgt Ion: 56 Resp: 4140

Ion Ratio Lower Upper

56 100

55 74.9 57.6 86.4



#14

Allyl chloride

Concen: 5.273 ug/l

RT: 4.460 min Scan# 433

Delta R.T. -0.013 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

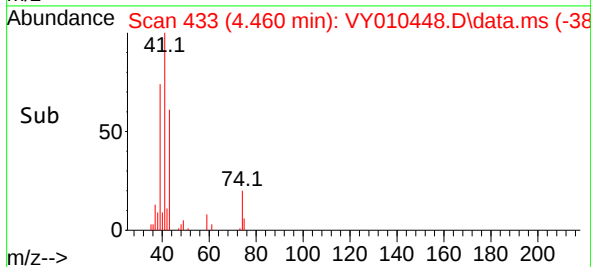
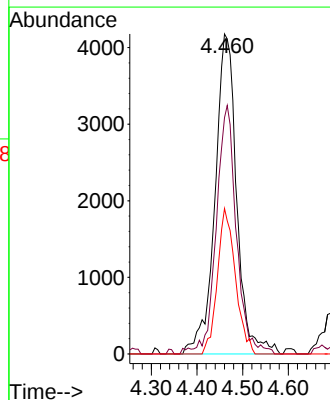
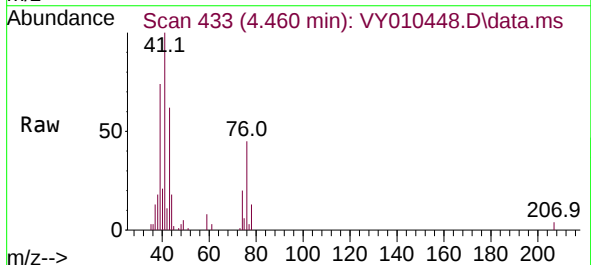
Tgt Ion: 41 Resp: 13855

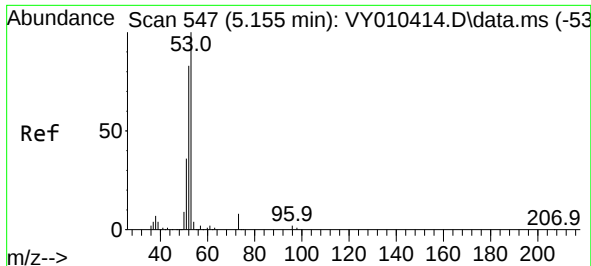
Ion Ratio Lower Upper

41 100

39 71.7 58.8 88.2

76 37.5 25.1 37.7





#15

Acrylonitrile

Concen: 26.933 ug/l

RT: 5.149 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY010448.D

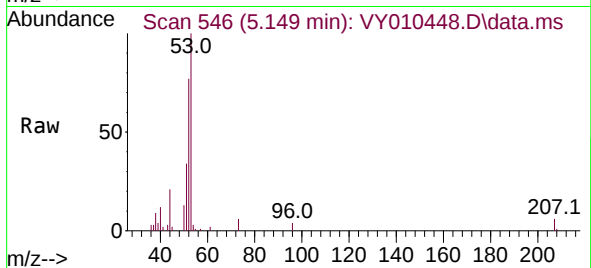
Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022



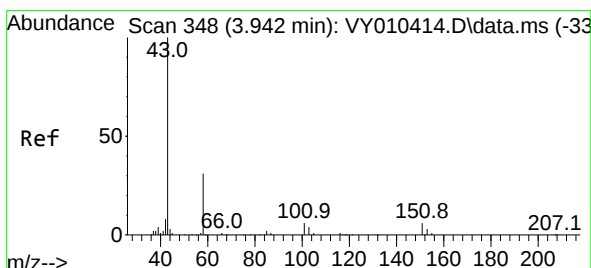
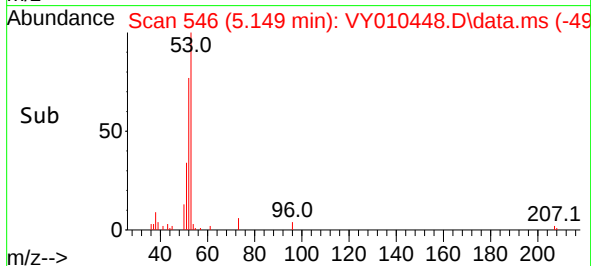
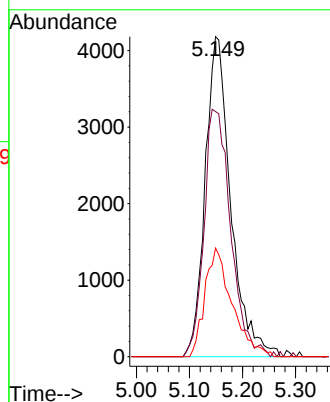
Tgt Ion: 53 Resp: 14027

Ion Ratio Lower Upper

53 100

52 80.5 67.0 100.4

51 36.0 29.8 44.6



#16

Acetone

Concen: 32.149 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY010448.D

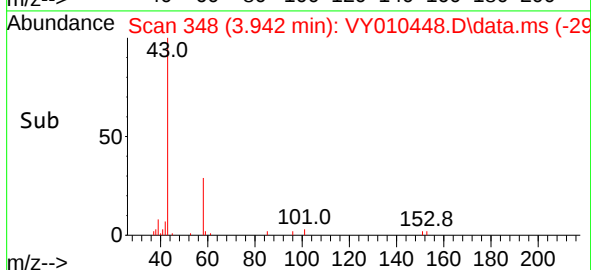
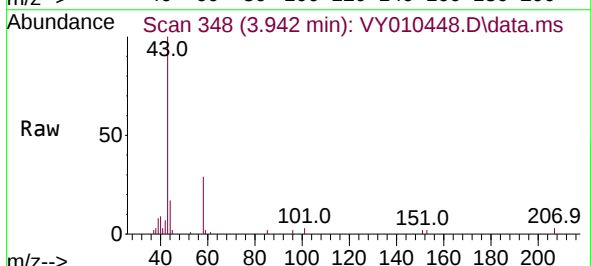
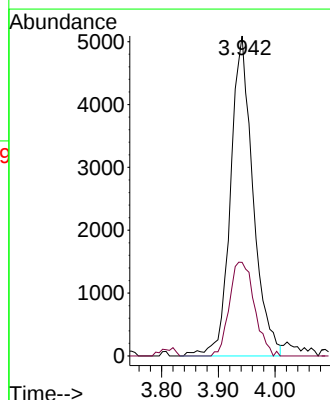
Acq: 12 Sep 2022 18:24

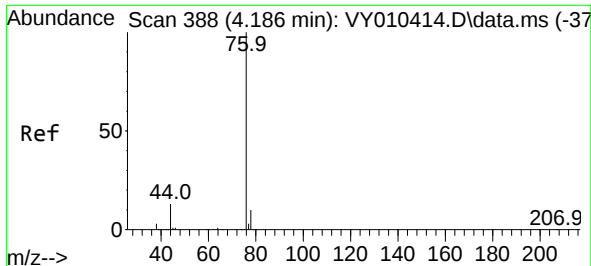
Tgt Ion: 43 Resp: 14059

Ion Ratio Lower Upper

43 100

58 29.2 22.0 33.0

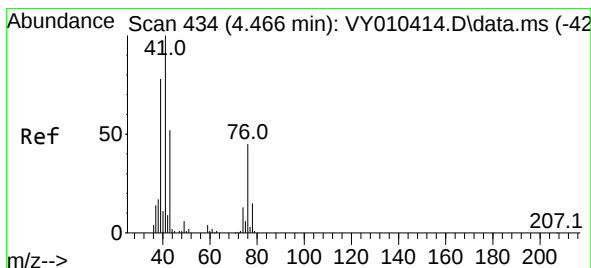
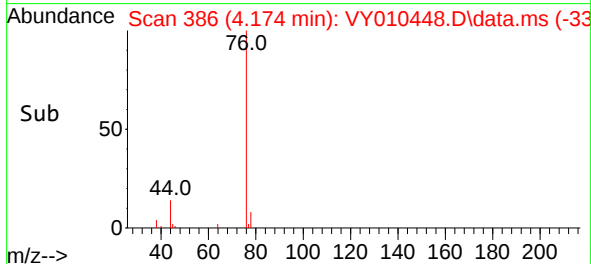
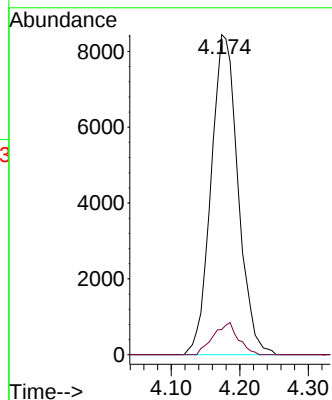
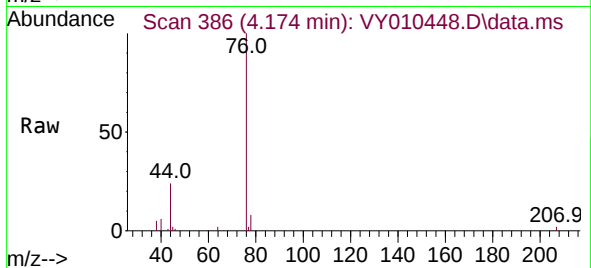




#17
Carbon Disulfide
Concen: 4.669 ug/l
RT: 4.174 min Scan# 386
Delta R.T. -0.012 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

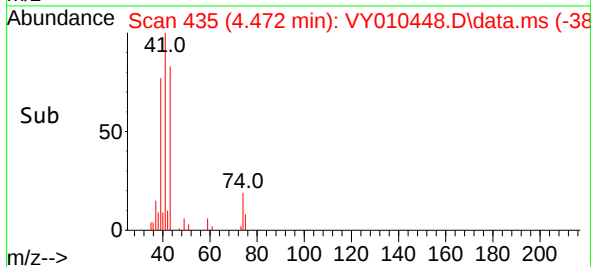
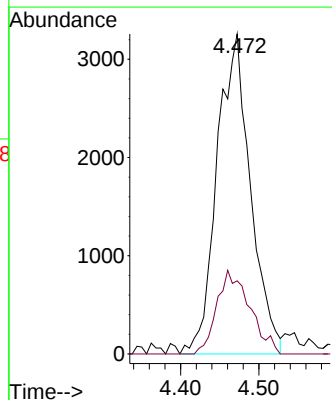
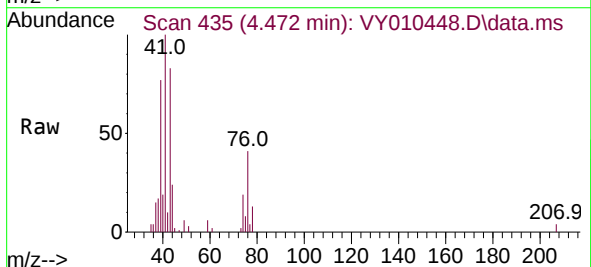
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

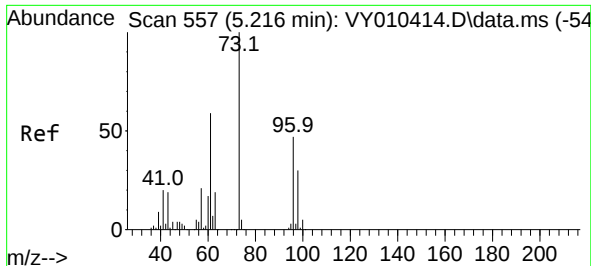
Tgt Ion: 76 Resp: 23037
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.0



#18
Methyl Acetate
Concen: 7.193 ug/l
RT: 4.472 min Scan# 435
Delta R.T. 0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 43 Resp: 9677
Ion Ratio Lower Upper
43 100
74 25.7 16.6 24.8#

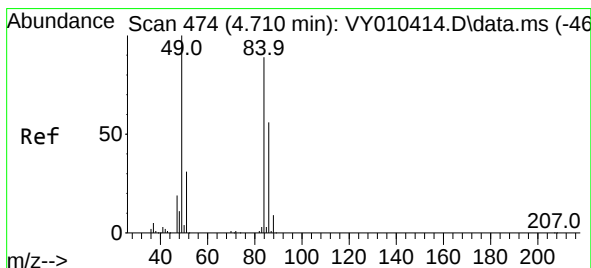
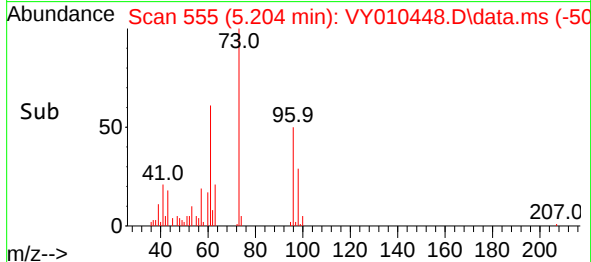
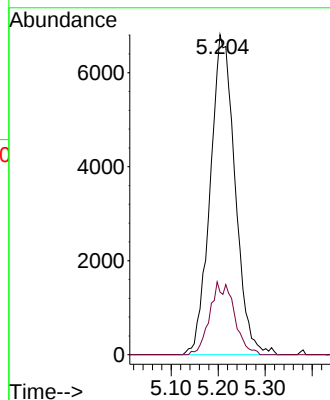
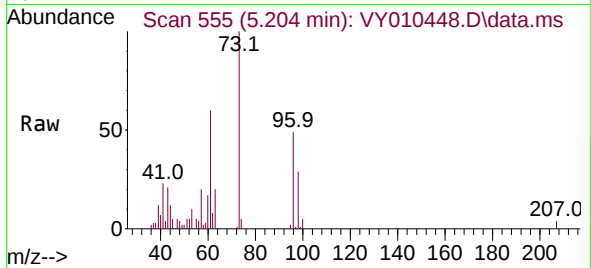




#19
Methyl tert-butyl Ether
Concen: 4.960 ug/l
RT: 5.204 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

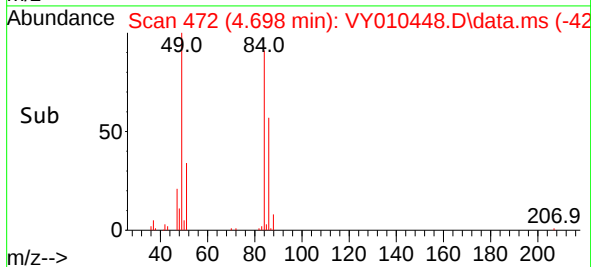
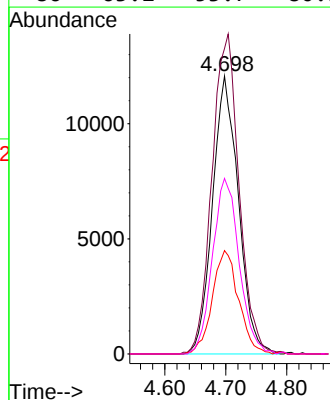
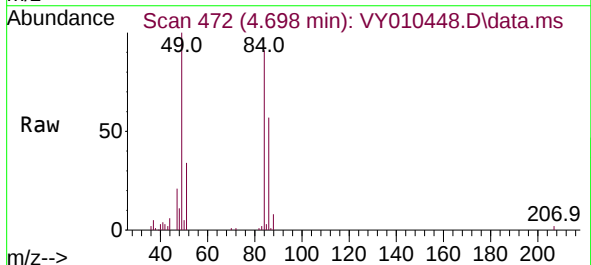
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 73 Resp: 24994
Ion Ratio Lower Upper
73 100
57 19.6 18.6 27.8



#20
Methylene Chloride
Concen: 13.346 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 84 Resp: 35618
Ion Ratio Lower Upper
84 100
49 109.9 114.4 171.6#
51 37.2 35.3 52.9
86 63.2 53.7 80.5

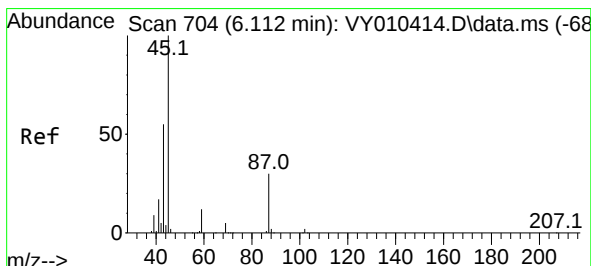
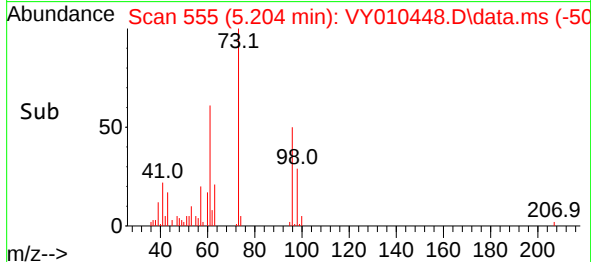
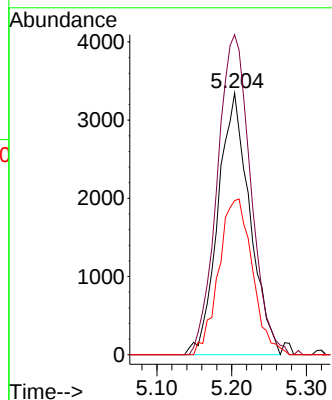
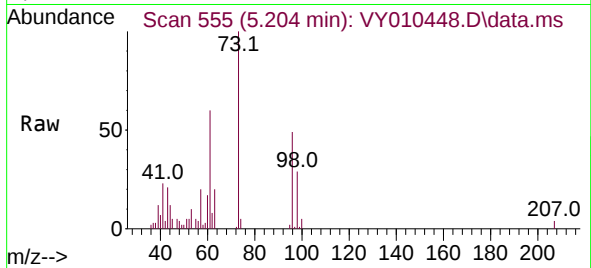




#21
trans-1,2-Dichloroethene
Concen: 4.786 ug/l
RT: 5.204 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

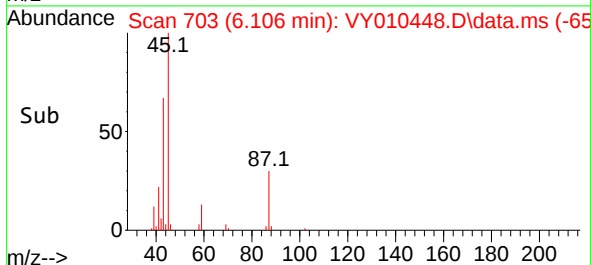
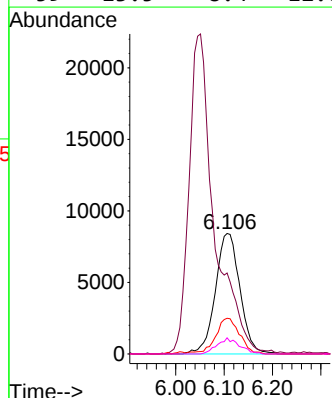
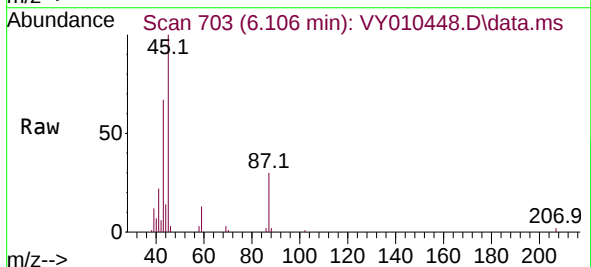
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

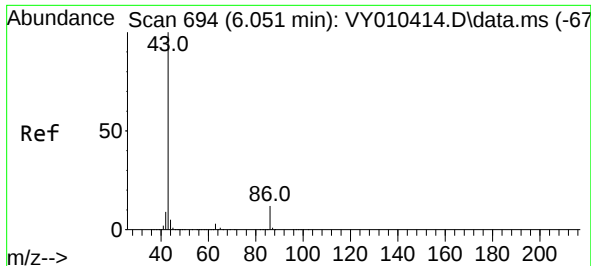
Tgt Ion: 96 Resp: 9916
Ion Ratio Lower Upper
96 100
61 122.3 120.5 180.7
98 58.9 49.8 74.8



#22
Diisopropyl ether
Concen: 5.053 ug/l
RT: 6.106 min Scan# 703
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 45 Resp: 29637
Ion Ratio Lower Upper
45 100
43 65.6 49.3 73.9
87 29.6 19.2 28.8#
59 13.5 8.4 12.6#

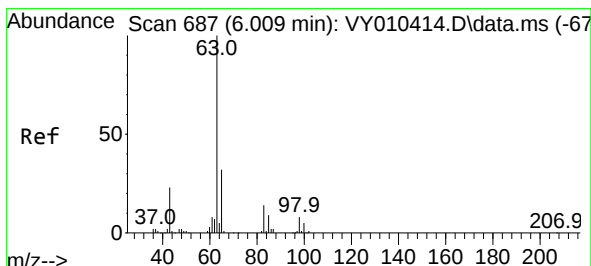
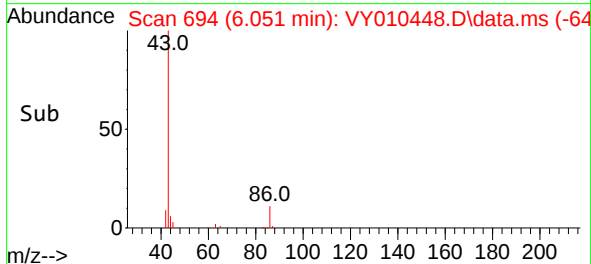
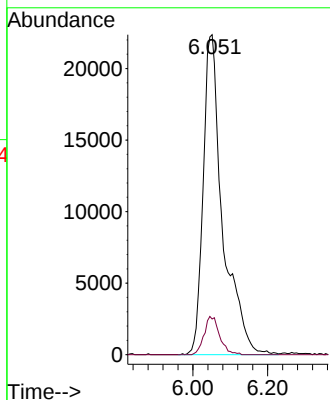
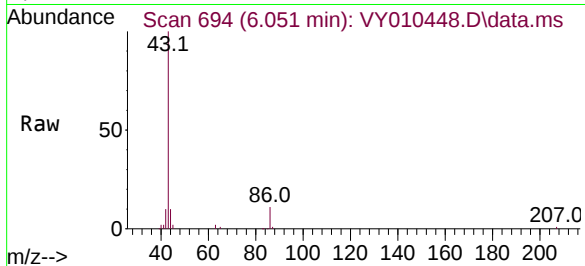




#23
 Vinyl Acetate
 Concen: 22.585 ug/l
 RT: 6.051 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY010448.D
 Acq: 12 Sep 2022 18:24

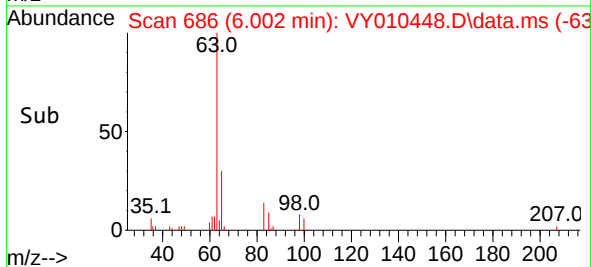
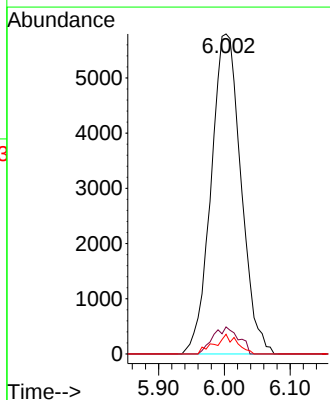
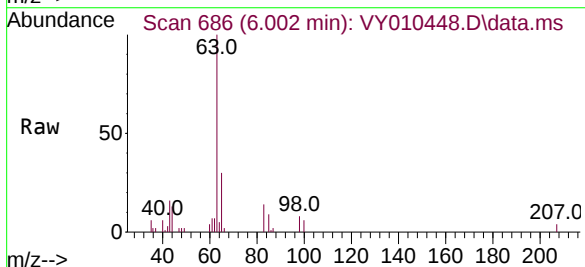
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Tgt Ion: 43 Resp: 81187
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.1 10.7#



#24
 1,1-Dichloroethane
 Concen: 5.170 ug/l
 RT: 6.002 min Scan# 686
 Delta R.T. -0.007 min
 Lab File: VY010448.D
 Acq: 12 Sep 2022 18:24

Tgt Ion: 63 Resp: 18360
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.6 10.8
 100 6.2 2.0 5.8#

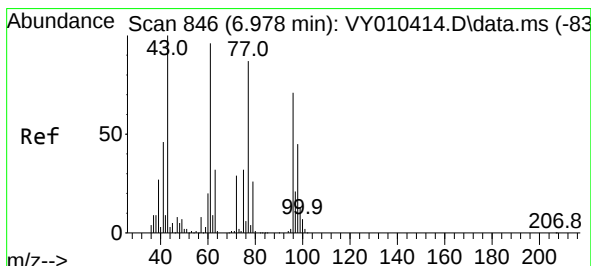
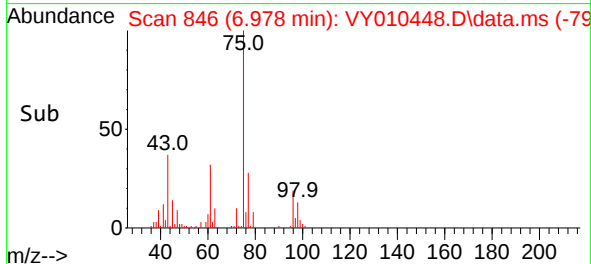
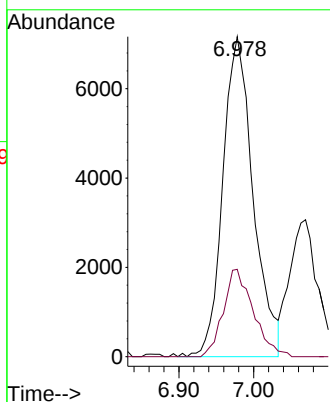
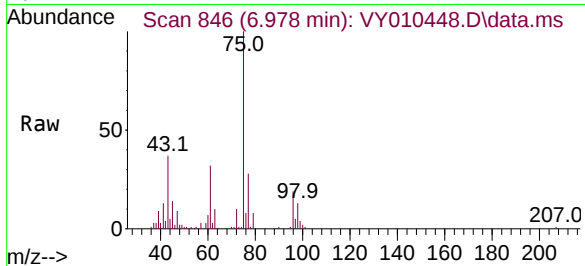




#25
2-Butanone
Concen: 29.103 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

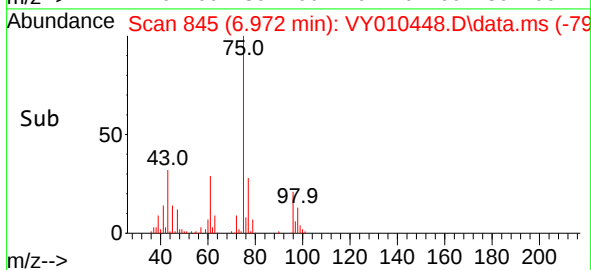
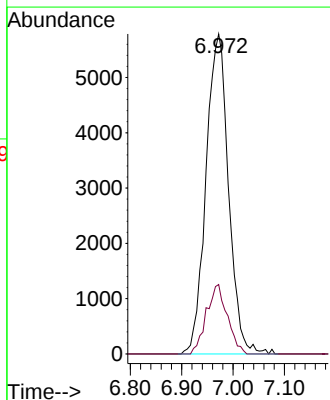
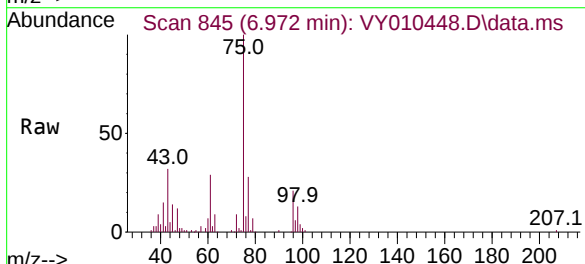
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 43 Resp: 20226
Ion Ratio Lower Upper
43 100
72 27.3 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 5.205 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 77 Resp: 17637
Ion Ratio Lower Upper
77 100
97 20.1 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 4.643 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

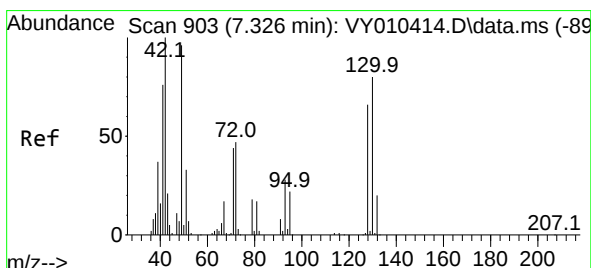
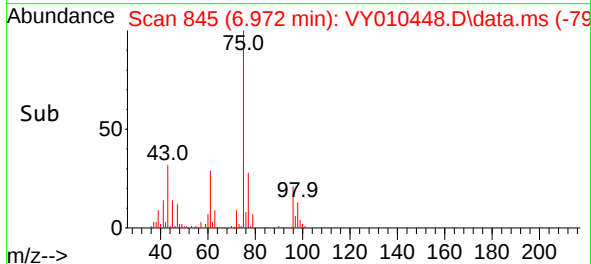
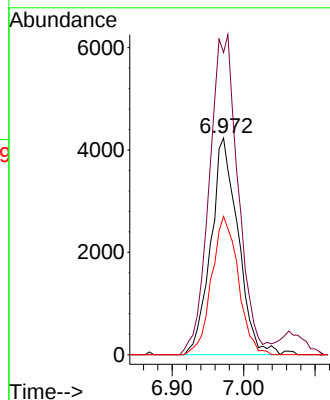
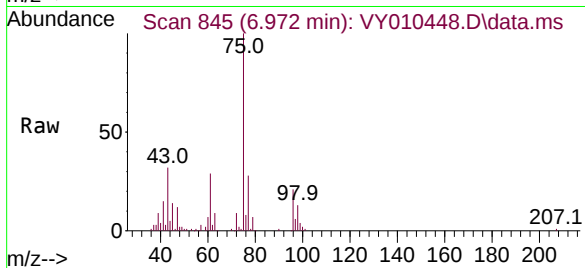
Tgt Ion: 96 Resp: 11180

Ion Ratio Lower Upper

96 100

61 157.4 0.0 319.8

98 62.4 0.0 127.0



#28

Bromochloromethane

Concen: 5.945 ug/l

RT: 7.325 min Scan# 903

Delta R.T. -0.001 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

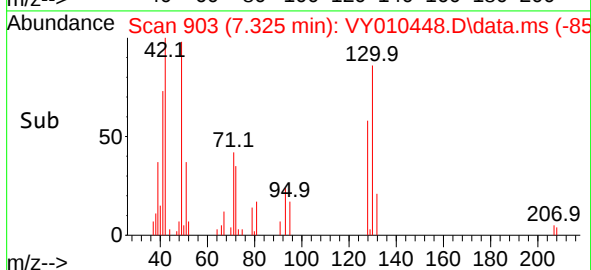
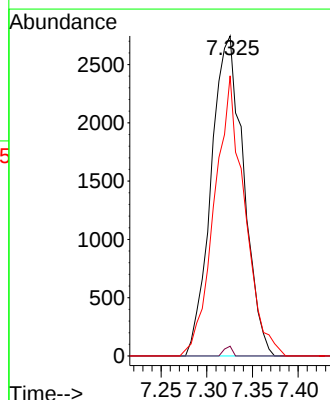
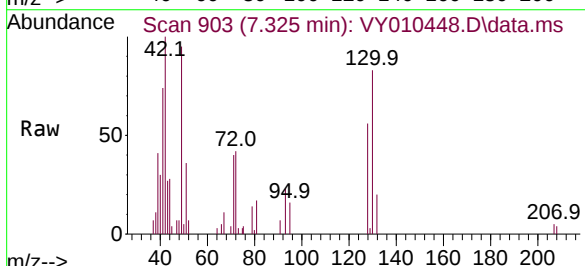
Tgt Ion: 49 Resp: 6769

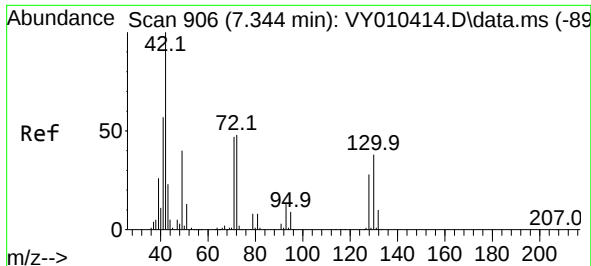
Ion Ratio Lower Upper

49 100

129 0.8 0.0 2.2

130 81.5 55.4 83.0





#29

Tetrahydrofuran

Concen: 27.558 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

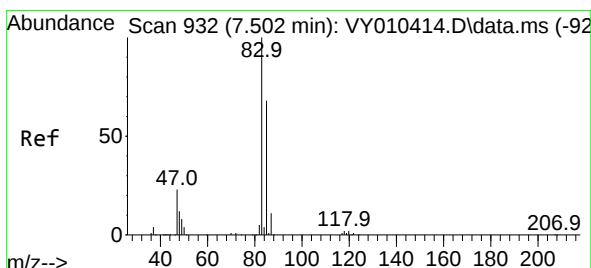
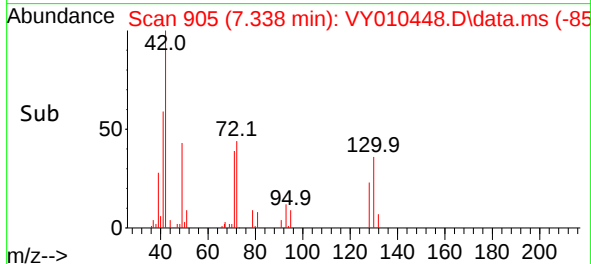
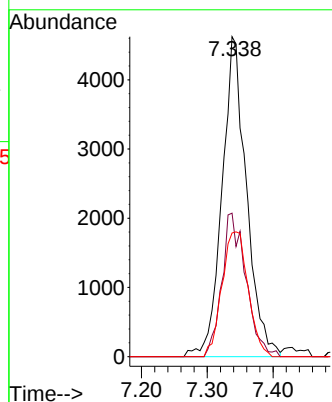
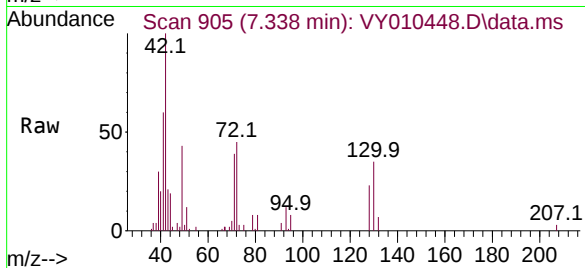
Tgt Ion: 42 Resp: 11953

Ion Ratio Lower Upper

42 100

72 44.1 30.3 45.5

71 41.7 29.0 43.4



#30

Chloroform

Concen: 4.900 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY010448.D

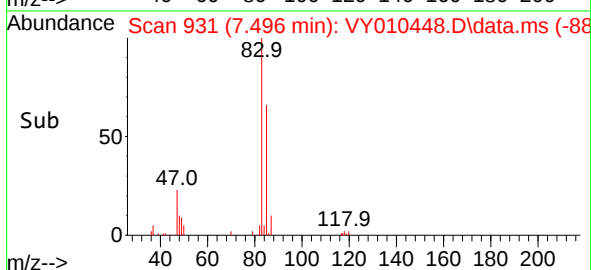
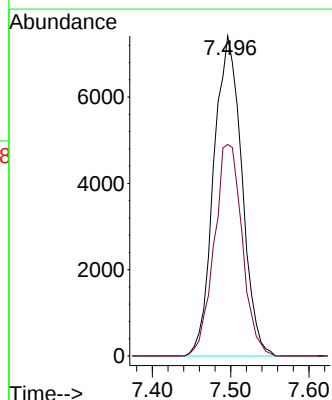
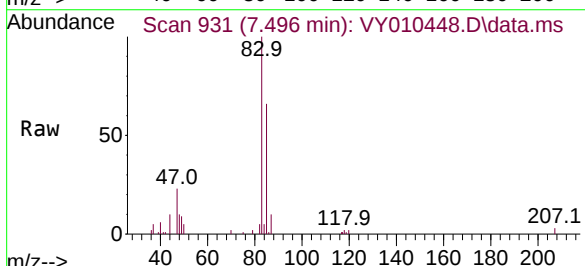
Acq: 12 Sep 2022 18:24

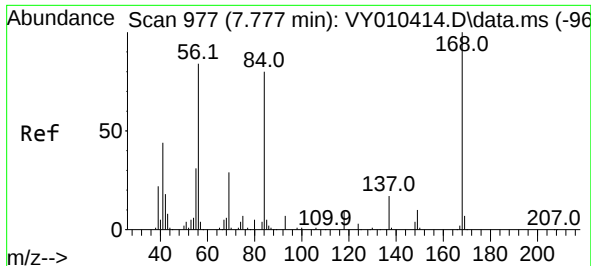
Tgt Ion: 83 Resp: 18459

Ion Ratio Lower Upper

83 100

85 66.1 51.8 77.6

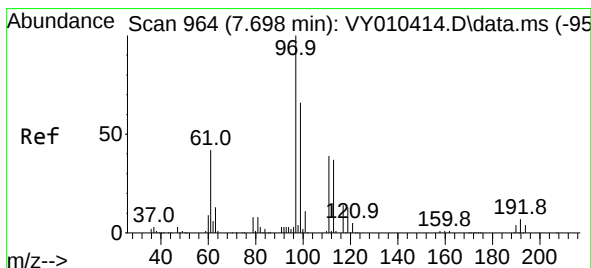
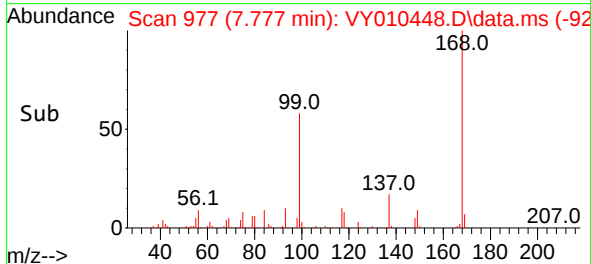
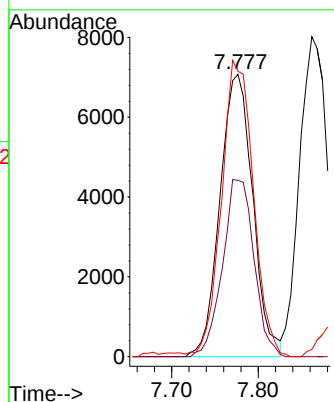
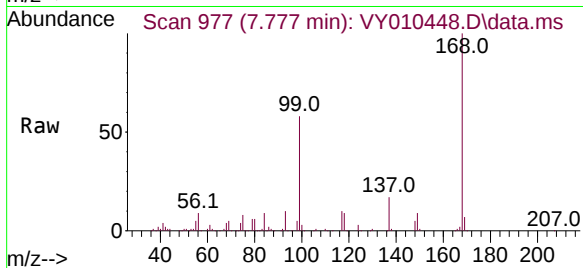




#31
Cyclohexane
Concen: 5.785 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

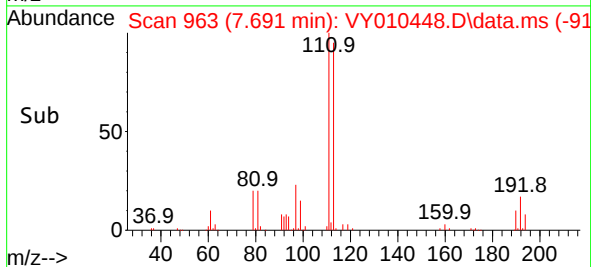
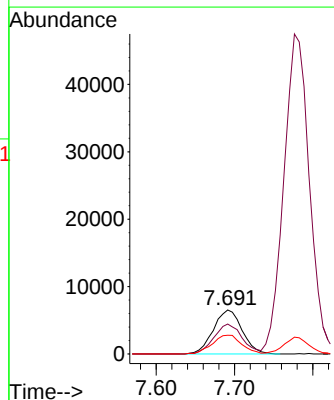
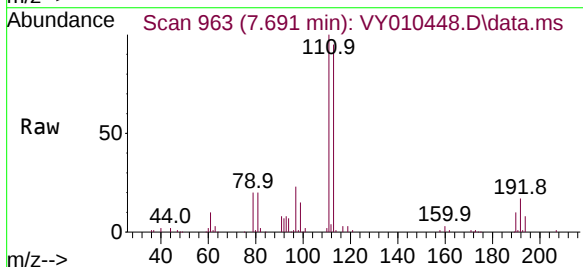
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

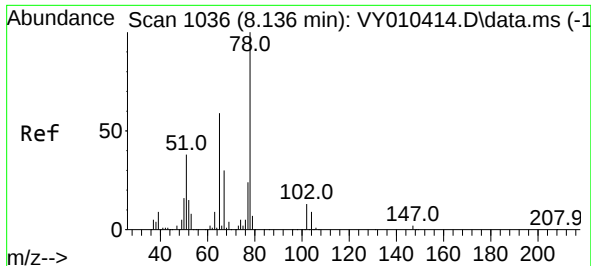
Tgt Ion: 56 Resp: 18623
Ion Ratio Lower Upper
56 100
69 62.5 26.7 40.1#
84 99.7 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 4.868 ug/l
RT: 7.691 min Scan# 963
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 97 Resp: 16604
Ion Ratio Lower Upper
97 100
99 67.1 50.7 76.1
61 43.8 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 64.010 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

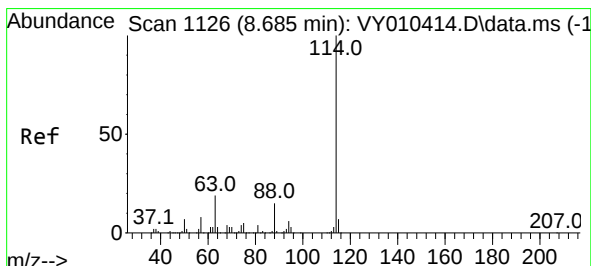
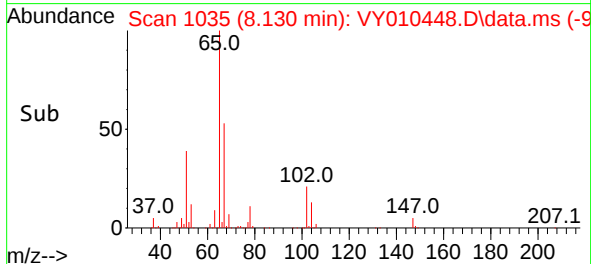
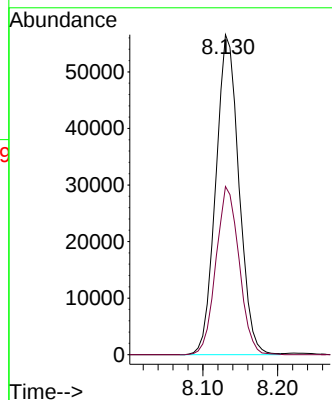
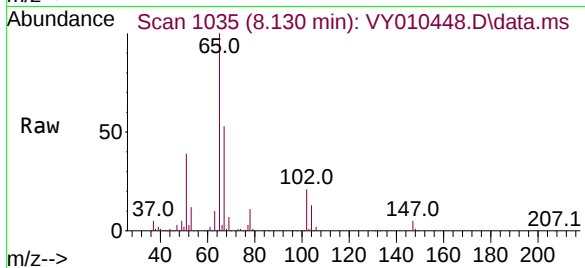
MDL-SOIL-03-QT3-2022

Tgt Ion: 65 Resp: 121975

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

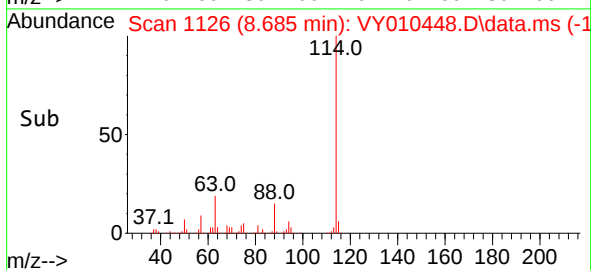
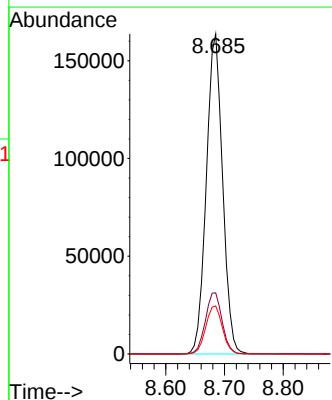
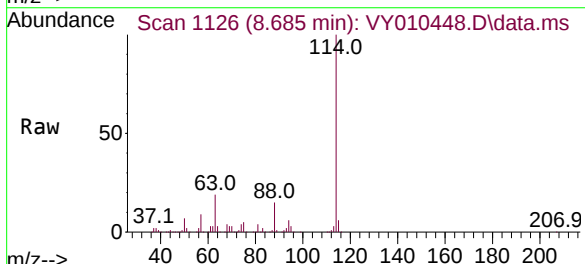
Tgt Ion: 114 Resp: 315100

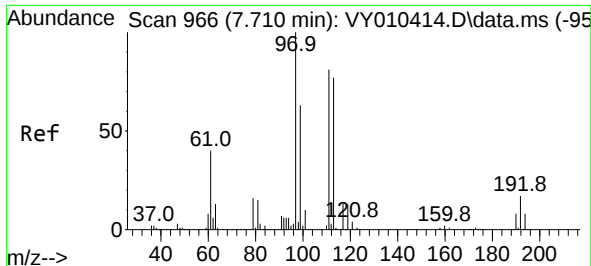
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.0 0.0 31.8

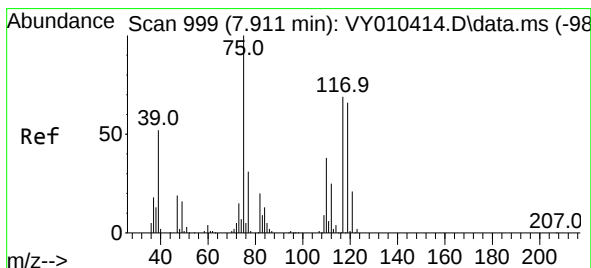
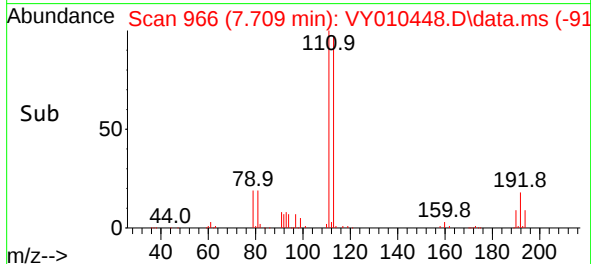
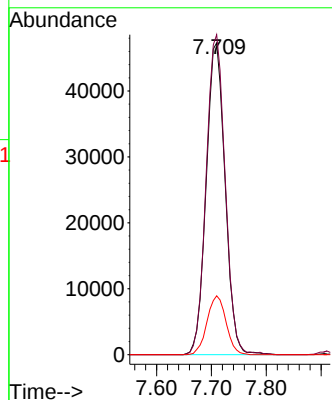
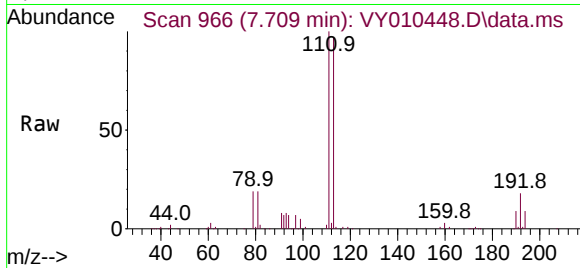




#35
Dibromofluoromethane
Concen: 50.537 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

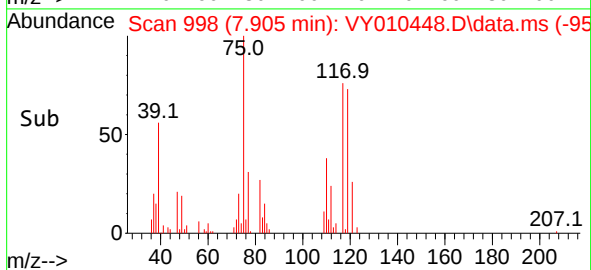
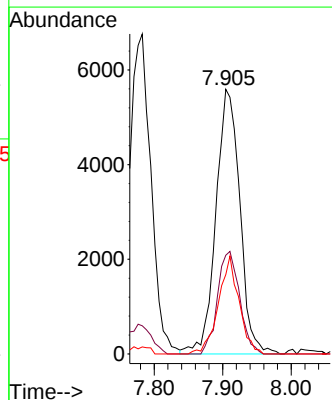
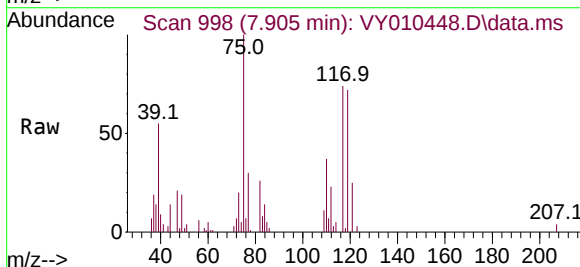
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

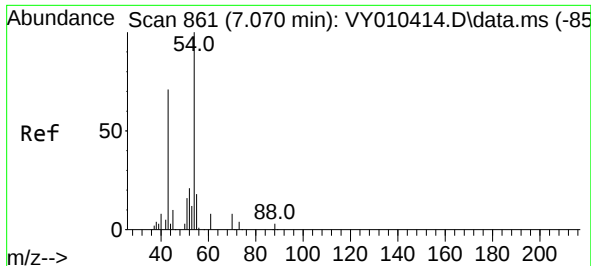
Tgt Ion:113 Resp: 113095
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.426 ug/l
RT: 7.905 min Scan# 998
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 75 Resp: 13561
Ion Ratio Lower Upper
75 100
110 35.7 17.1 51.2
77 31.8 24.4 36.6

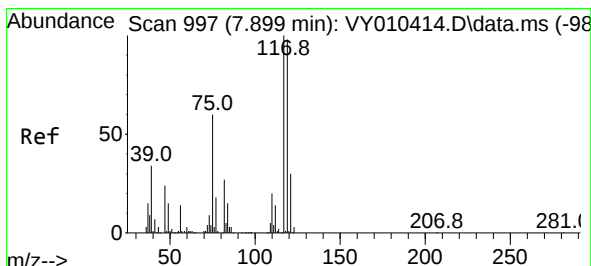
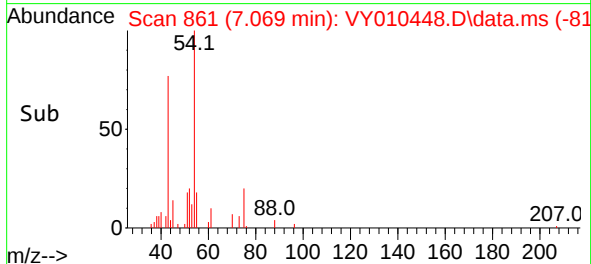
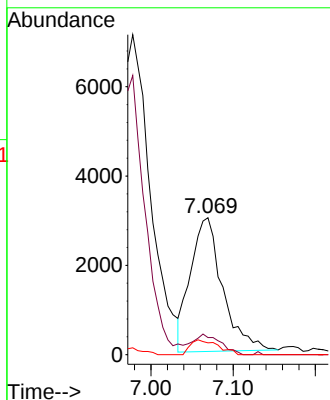
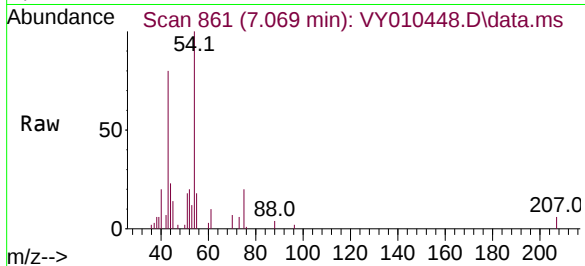




#37
Ethyl Acetate
Concen: 5.028 ug/l
RT: 7.069 min Scan# 809
Delta R.T. -0.001 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

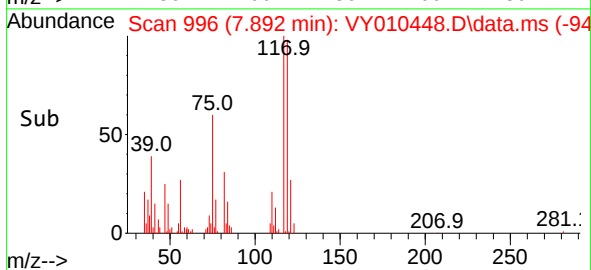
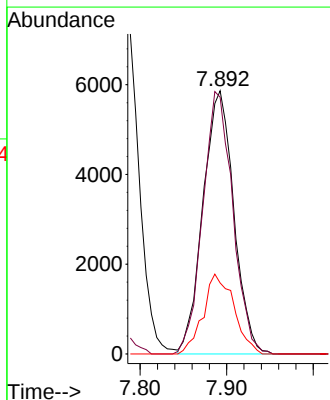
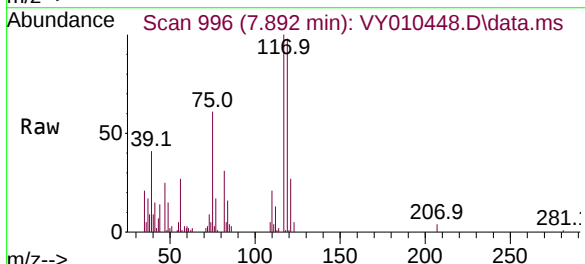
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

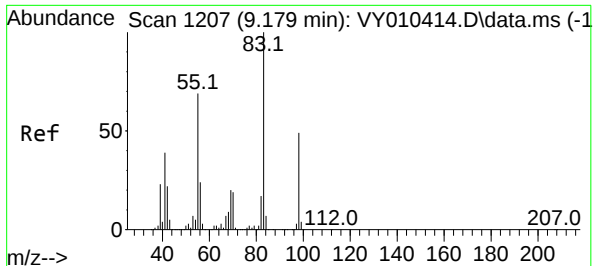
Tgt Ion: 43 Resp: 8098
Ion Ratio Lower Upper
43 100
61 13.5 9.7 14.5
70 9.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 4.260 ug/l
RT: 7.892 min Scan# 996
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 117 Resp: 14520
Ion Ratio Lower Upper
117 100
119 97.6 77.9 116.9
121 27.0 24.8 37.2





#39

Methylcyclohexane

Concen: 4.129 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

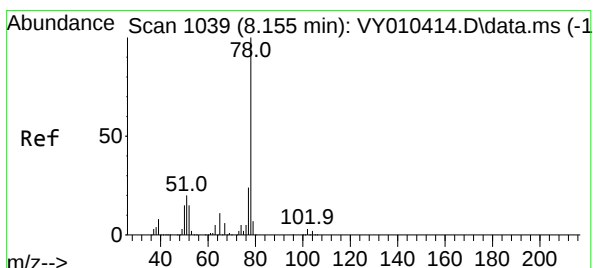
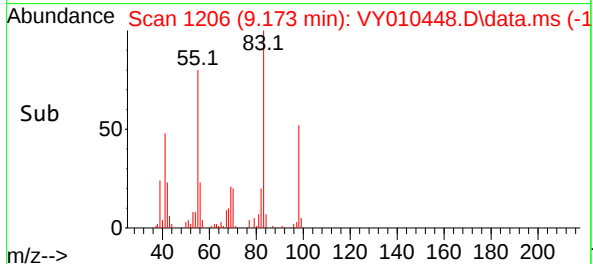
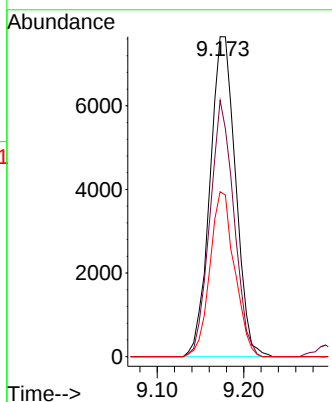
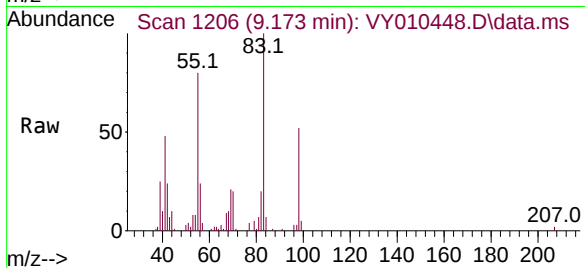
Tgt Ion: 83 Resp: 15774

Ion Ratio Lower Upper

83 100

55 80.1 66.5 99.7

98 51.6 37.9 56.9



#40

Benzene

Concen: 4.559 ug/l

RT: 8.148 min Scan# 1038

Delta R.T. -0.007 min

Lab File: VY010448.D

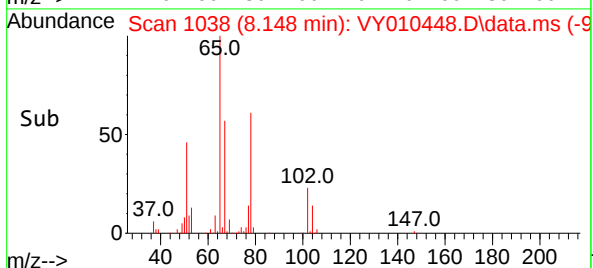
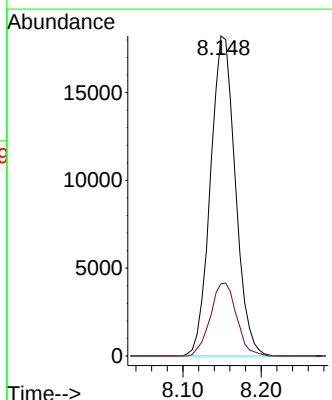
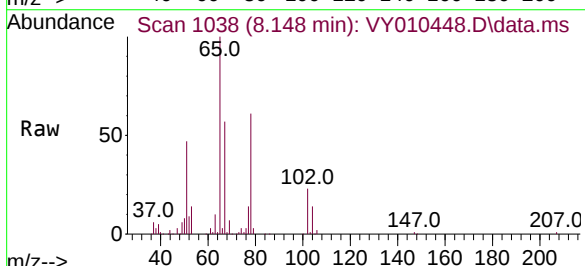
Acq: 12 Sep 2022 18:24

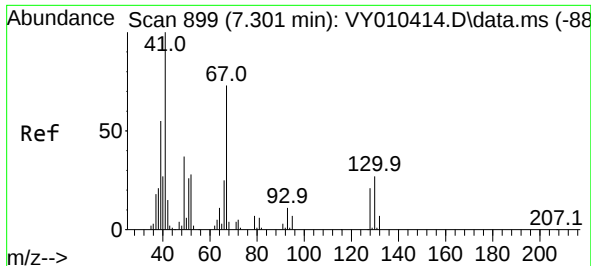
Tgt Ion: 78 Resp: 40206

Ion Ratio Lower Upper

78 100

77 22.6 20.4 30.6

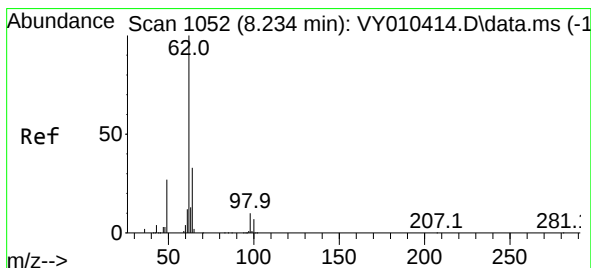
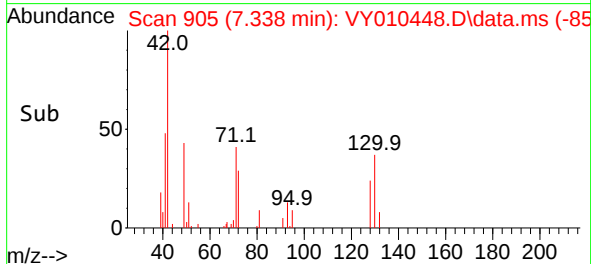
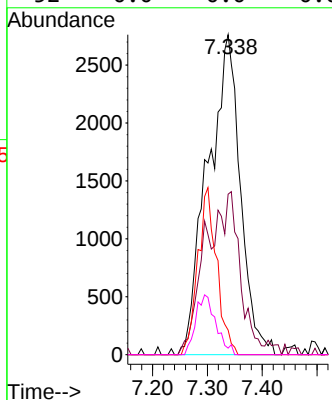
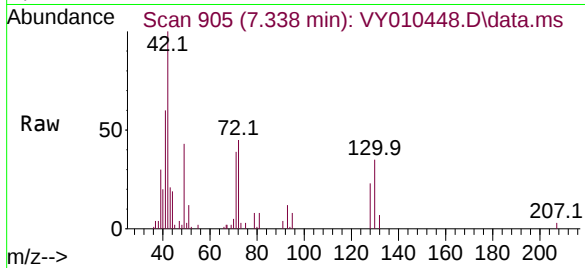




#41
Methacrylonitrile
Concen: 12.384 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.037 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

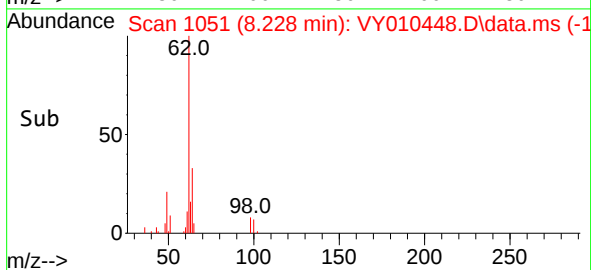
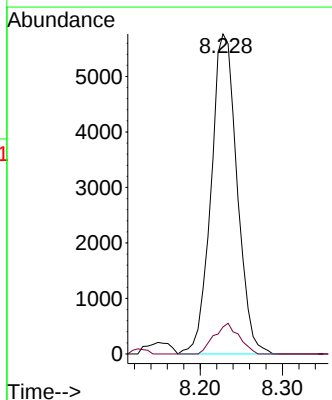
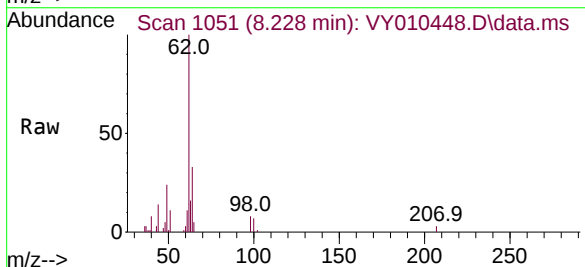
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

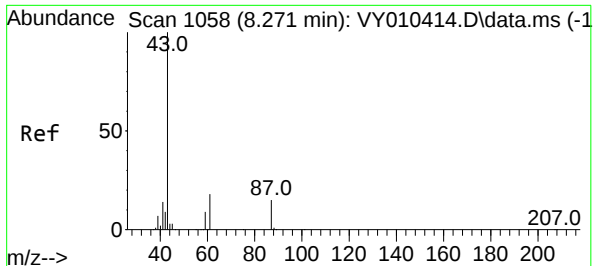
Tgt Ion:	41	Resp:	11402
Ion	Ratio	Lower	Upper
41	100		
39	33.0	92.9	139.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 4.831 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:	62	Resp:	12671
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	14.8

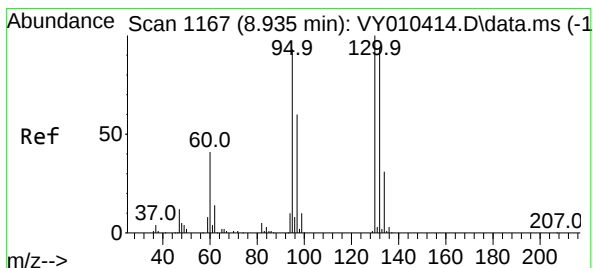
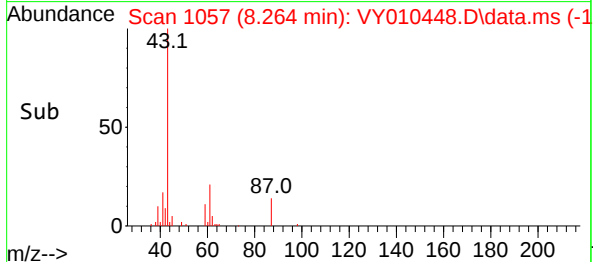
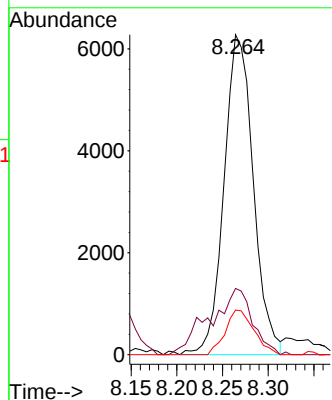
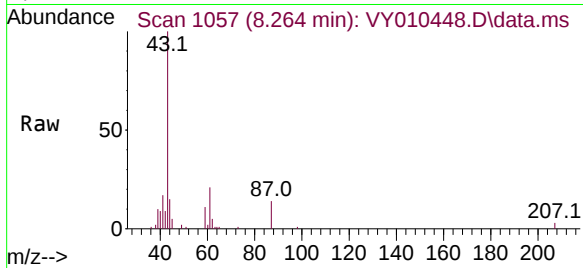




#43
Isopropyl Acetate
Concen: 4.748 ug/l
RT: 8.264 min Scan# 1105
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

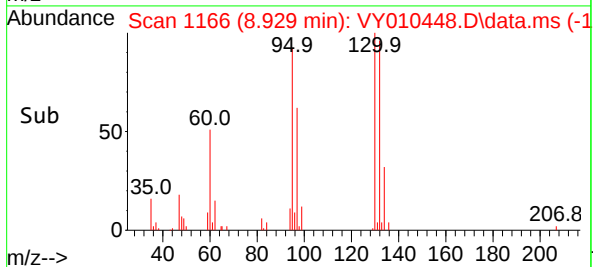
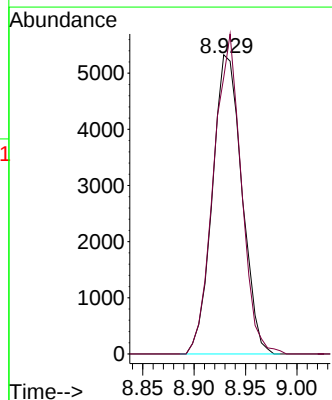
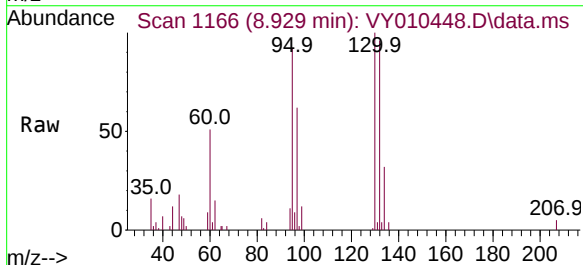
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

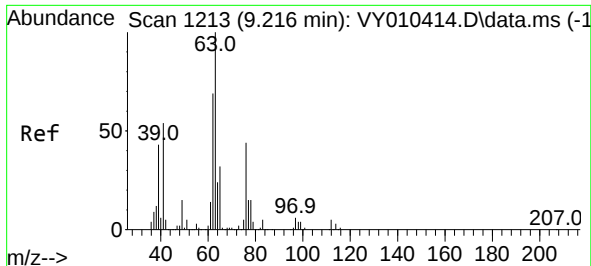
Tgt Ion: 43 Resp: 13995
Ion Ratio Lower Upper
43 100
61 30.2 20.2 30.2
87 13.6 8.9 13.3#



#44
Trichloroethene
Concen: 4.090 ug/l
RT: 8.929 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:130 Resp: 10618
Ion Ratio Lower Upper
130 100
95 92.4 0.0 188.2





#45

1,2-Dichloropropane

Concen: 4.596 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. -0.007 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

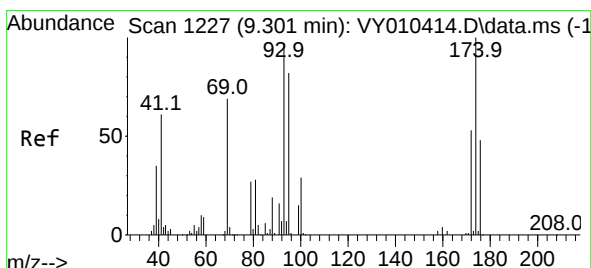
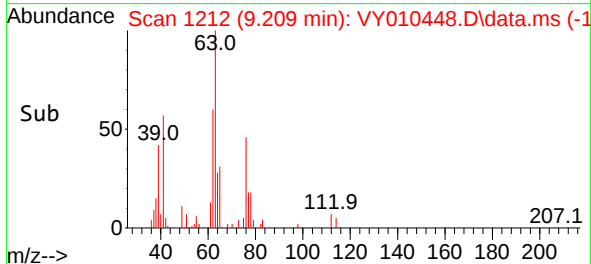
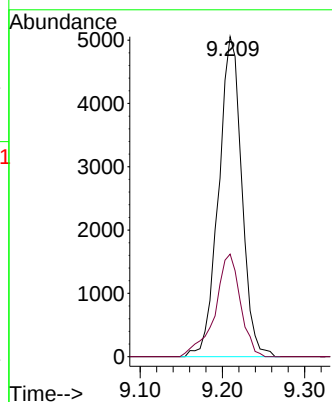
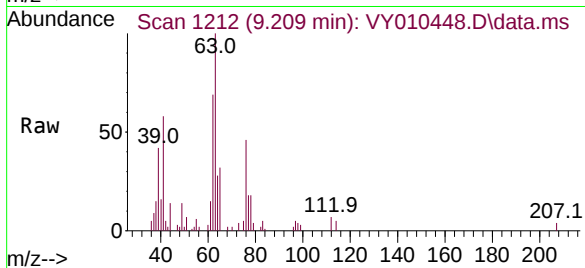
MDL-SOIL-03-QT3-2022

Tgt Ion: 63 Resp: 9886

Ion Ratio Lower Upper

63 100

65 32.0 23.0 34.6



#46

Dibromomethane

Concen: 4.569 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

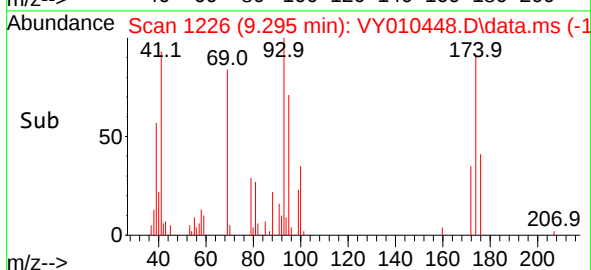
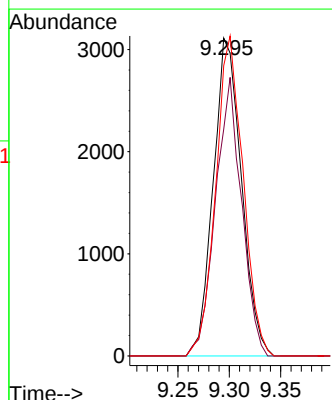
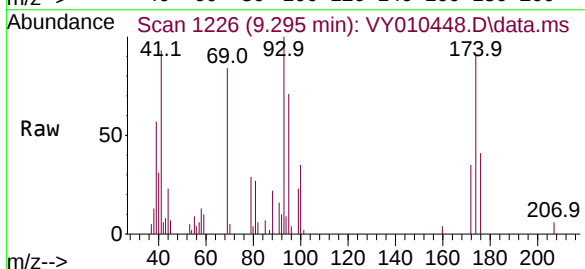
Tgt Ion: 93 Resp: 5926

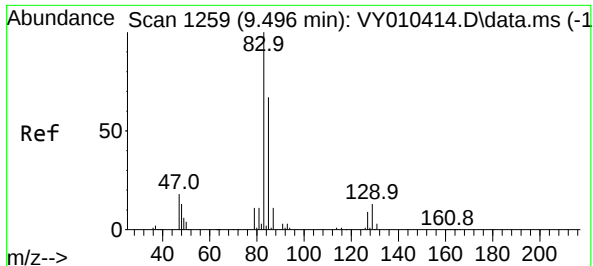
Ion Ratio Lower Upper

93 100

95 81.1 64.3 96.5

174 97.7 83.4 125.0





#47

Bromodichloromethane

Concen: 4.656 ug/l

RT: 9.490 min Scan# 1259

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

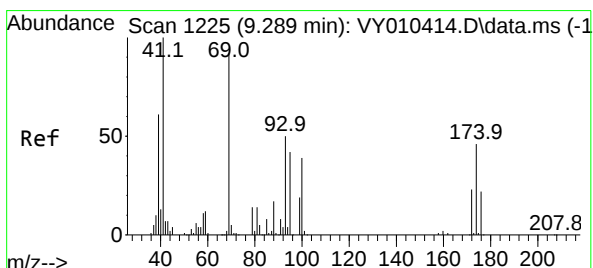
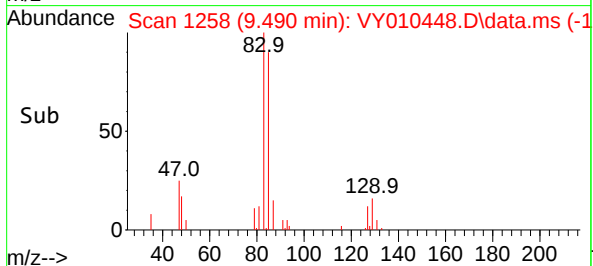
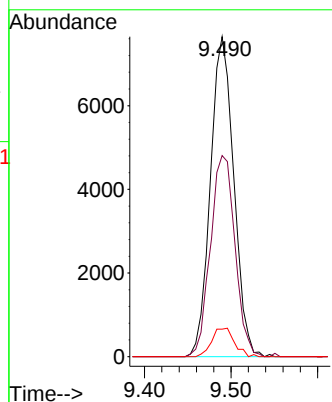
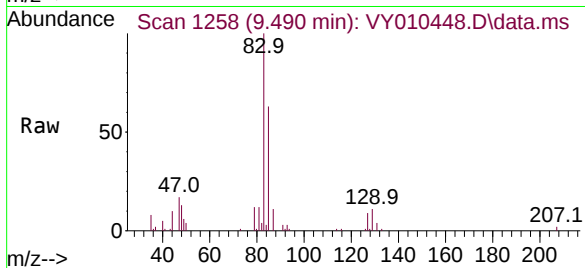
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:	83	Resp:	14344
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.9	77.9
127	8.6	6.6	10.0



#48

Methyl methacrylate

Concen: 4.376 ug/l

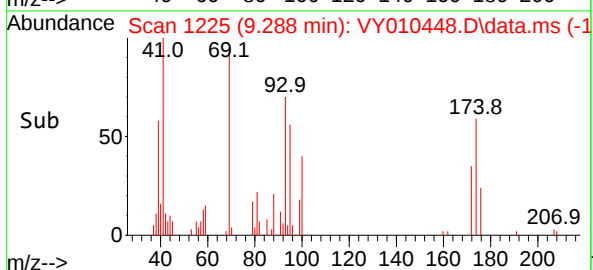
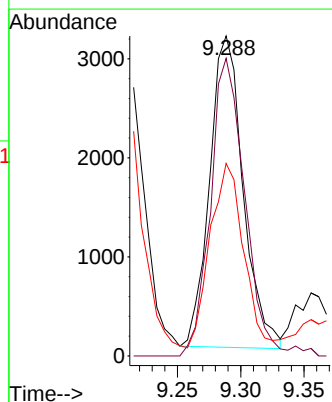
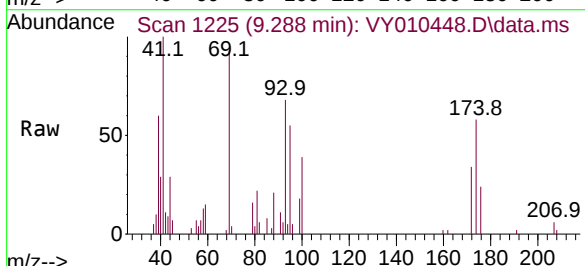
RT: 9.288 min Scan# 1225

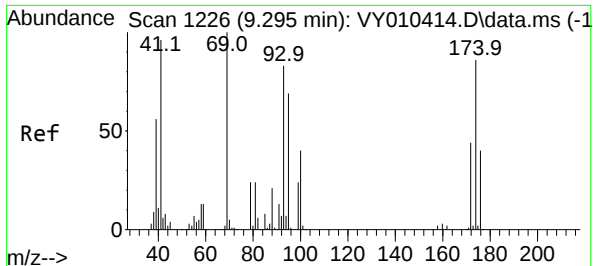
Delta R.T. -0.001 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Tgt Ion:	41	Resp:	5793
Ion	Ratio	Lower	Upper
41	100		
69	97.2	58.2	87.2#
39	64.3	47.4	71.0





#49

1,4-Dioxane

Concen: 94.524 ug/l

RT: 9.288 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

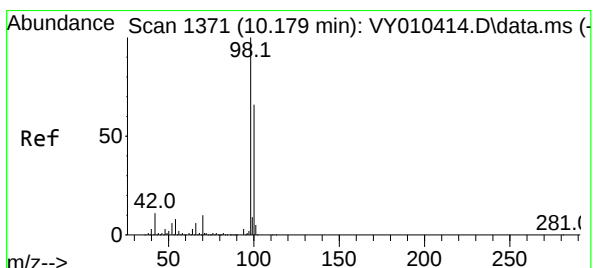
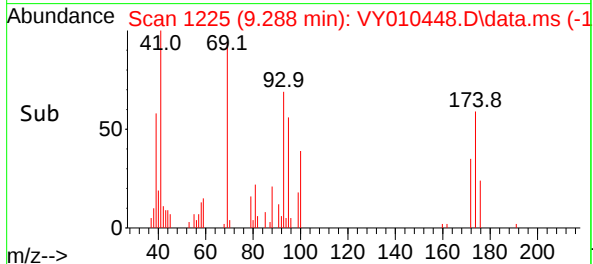
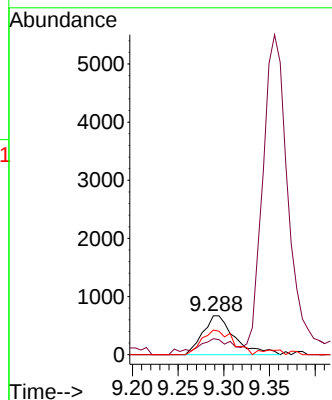
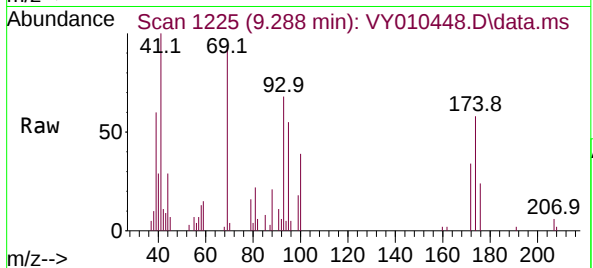
Tgt Ion: 88 Resp: 1623

Ion Ratio Lower Upper

88 100

43 45.9 32.8 49.2

58 61.3 59.8 89.6



#50

Toluene-d8

Concen: 57.357 ug/l

RT: 10.172 min Scan# 1370

Delta R.T. -0.007 min

Lab File: VY010448.D

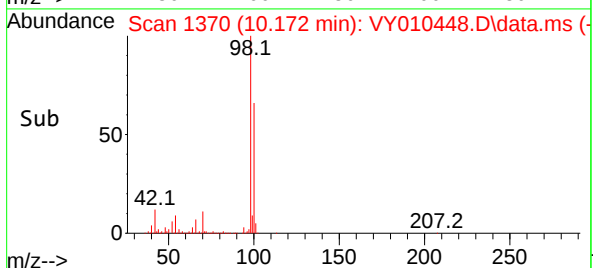
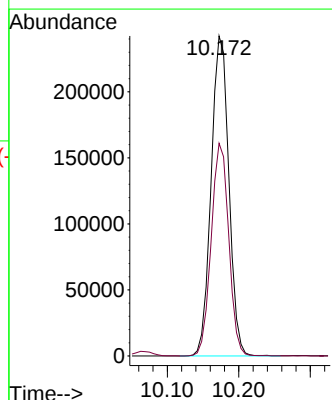
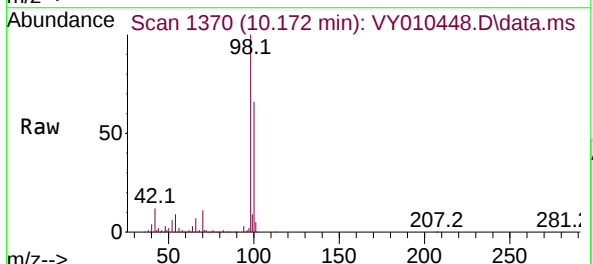
Acq: 12 Sep 2022 18:24

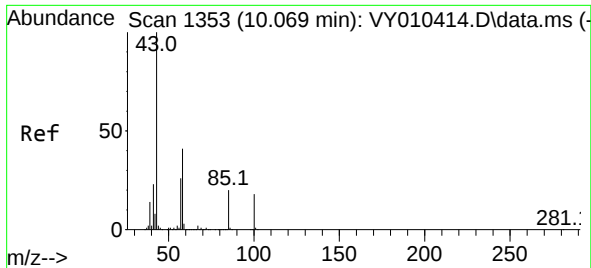
Tgt Ion: 98 Resp: 415997

Ion Ratio Lower Upper

98 100

100 65.9 50.2 75.2

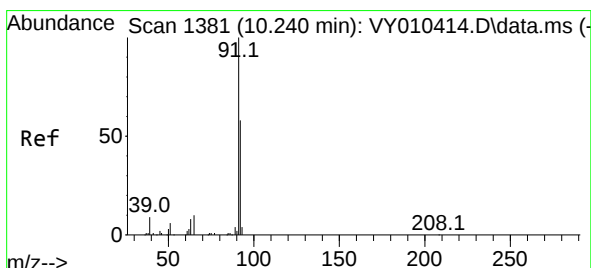
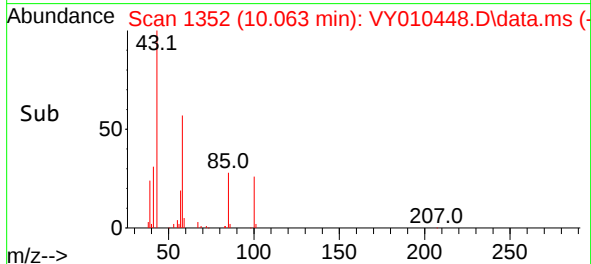
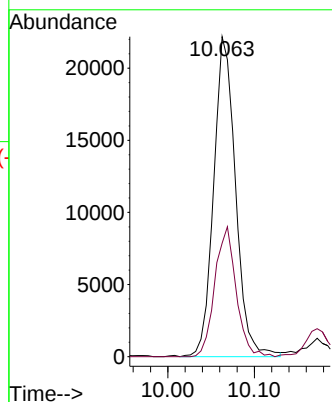
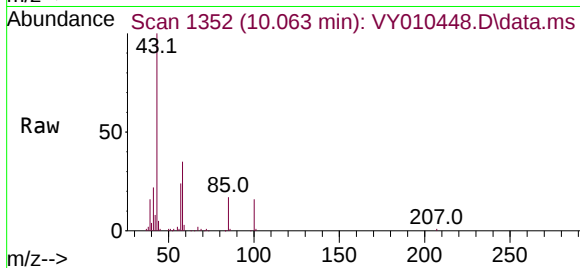




#51
4-Methyl-2-Pentanone
Concen: 24.113 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

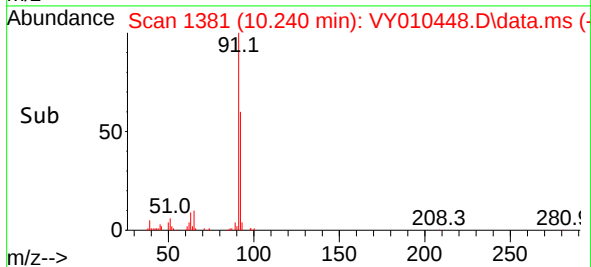
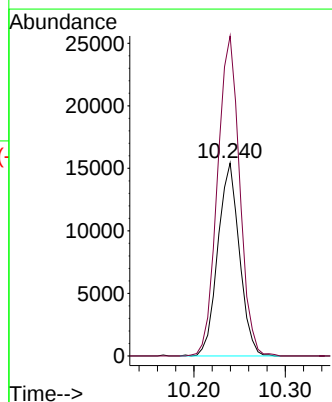
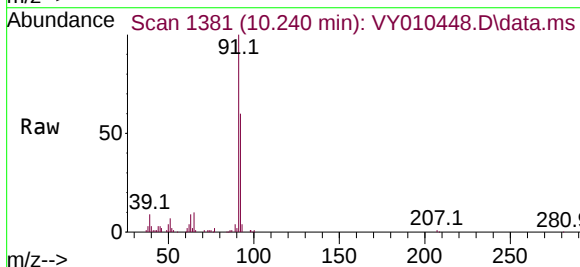
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

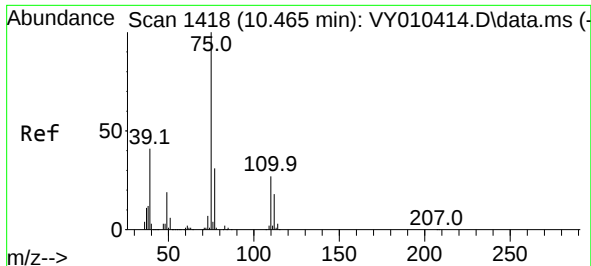
Tgt Ion: 43 Resp: 38983
Ion Ratio Lower Upper
43 100
58 39.5 28.1 42.1



#52
Toluene
Concen: 4.379 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 92 Resp: 25275
Ion Ratio Lower Upper
92 100
91 170.7 142.6 213.8

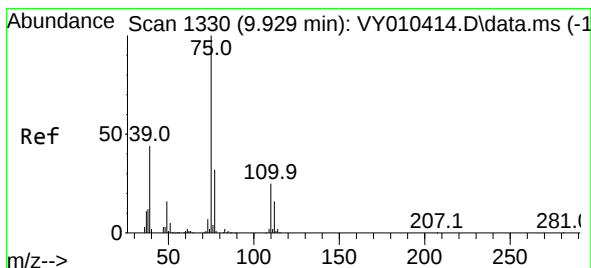
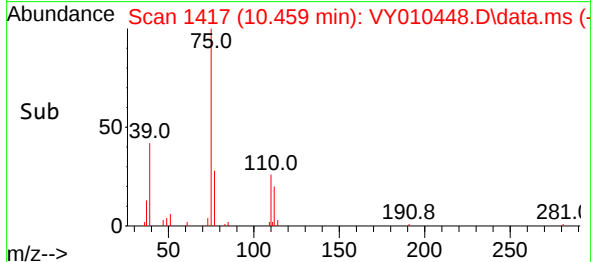
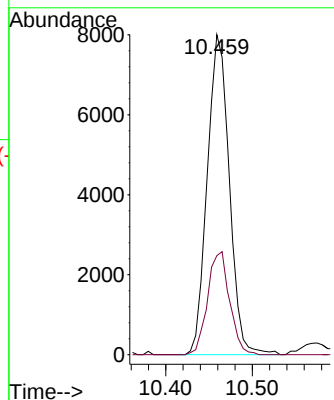
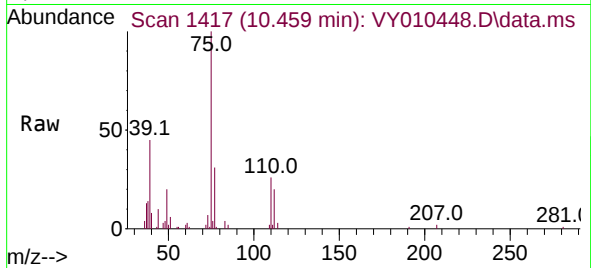




#53
 t-1,3-Dichloropropene
 Concen: 4.470 ug/l
 RT: 10.459 min Scan# 1418
 Delta R.T. -0.006 min
 Lab File: VY010448.D
 Acq: 12 Sep 2022 18:24

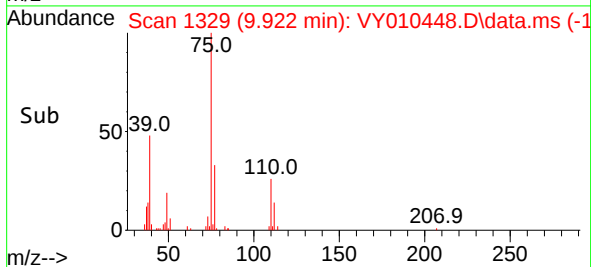
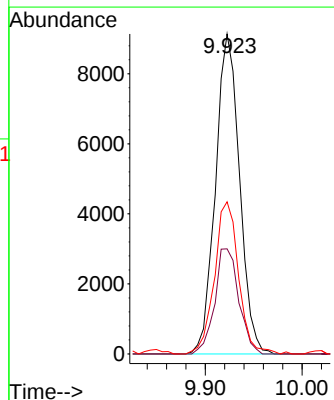
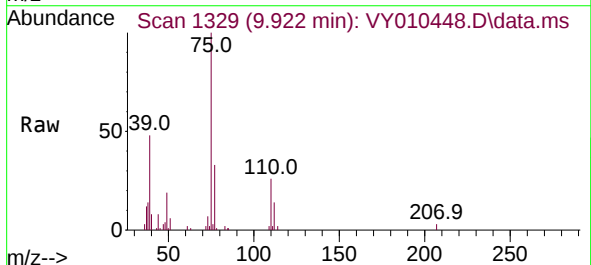
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

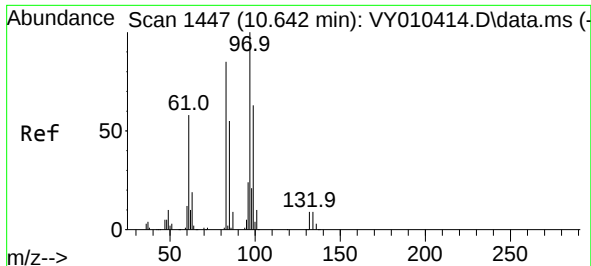
Tgt Ion: 75 Resp: 14174
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.410 ug/l
 RT: 9.922 min Scan# 1329
 Delta R.T. -0.007 min
 Lab File: VY010448.D
 Acq: 12 Sep 2022 18:24

Tgt Ion: 75 Resp: 15770
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.6 38.4
 39 47.5 47.6 71.4#

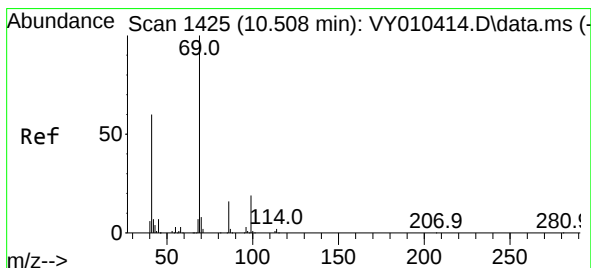
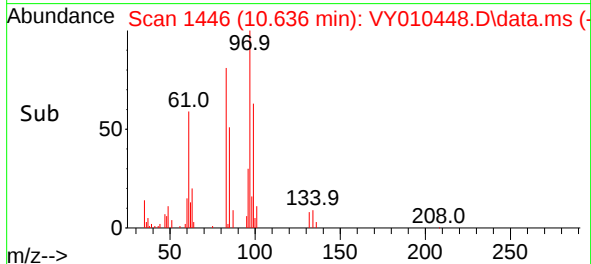
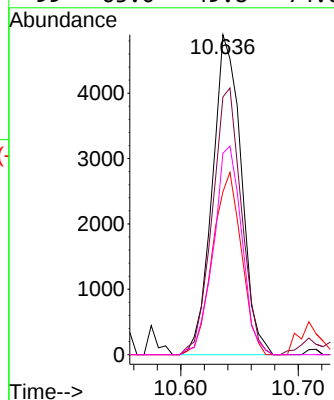
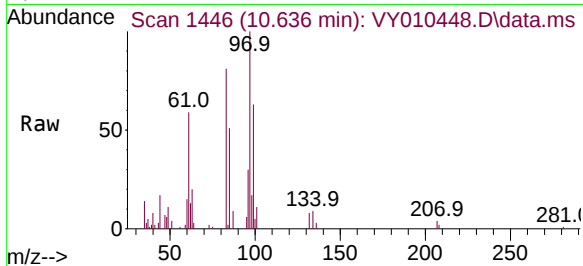




#55
1,1,2-Trichloroethane
Concen: 4.531 ug/l
RT: 10.636 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

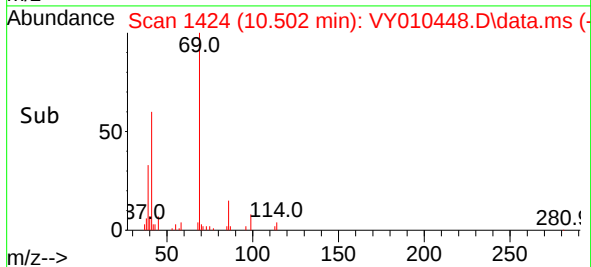
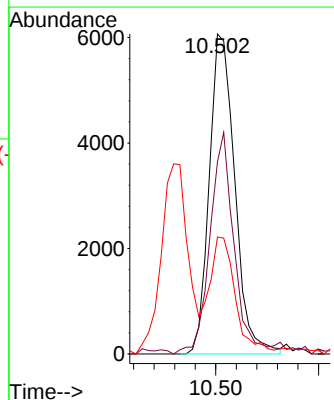
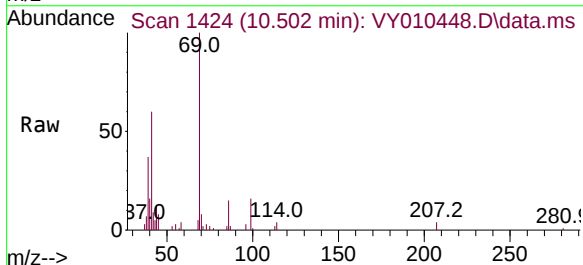
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

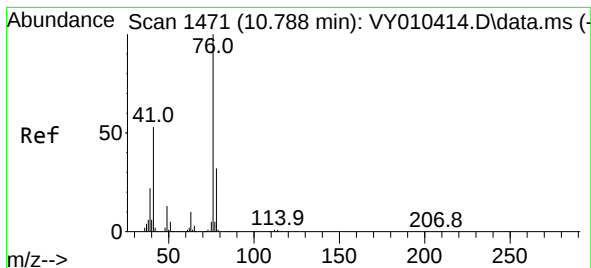
Tgt Ion: 97	Resp:	8361	
Ion	Ratio	Lower	Upper
97	100		
83	80.6	69.8	104.8
85	50.9	44.3	66.5
99	63.0	49.8	74.6



#56
Ethyl methacrylate
Concen: 4.321 ug/l
RT: 10.502 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 69	Resp: 10470
Ion Ratio	Lower Upper
69 100	
41 64.4	63.4 95.0
39 35.2	35.8 53.8#





#57

1,3-Dichloropropane

Concen: 4.759 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

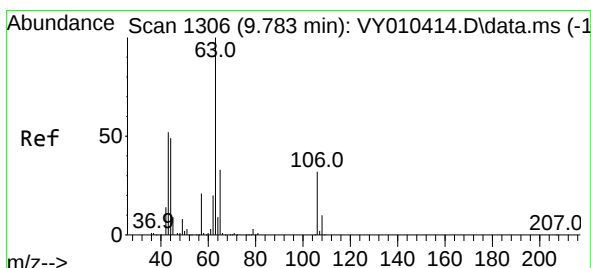
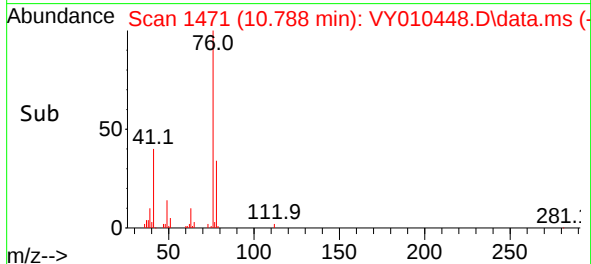
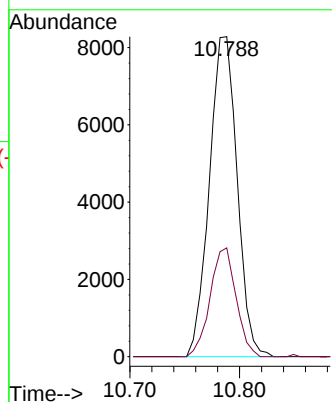
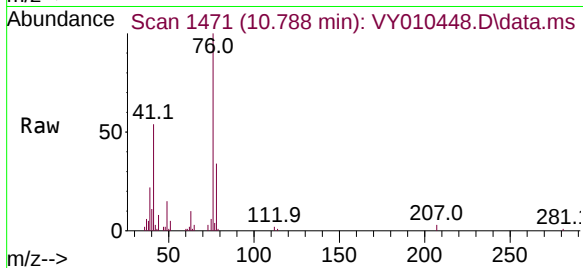
MDL-SOIL-03-QT3-2022

Tgt Ion: 76 Resp: 14600

Ion Ratio Lower Upper

76 100

78 31.8 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 32.442 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.007 min

Lab File: VY010448.D

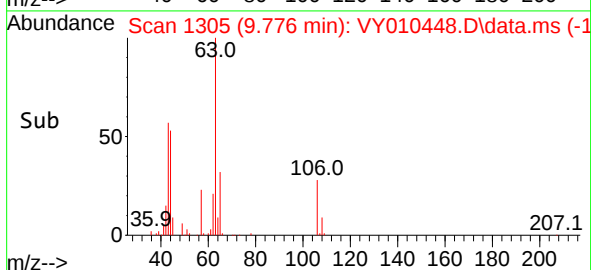
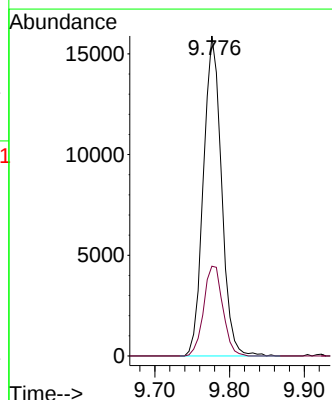
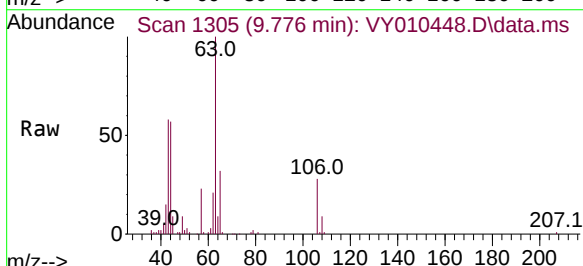
Acq: 12 Sep 2022 18:24

Tgt Ion: 63 Resp: 26743

Ion Ratio Lower Upper

63 100

106 29.7 21.5 32.3

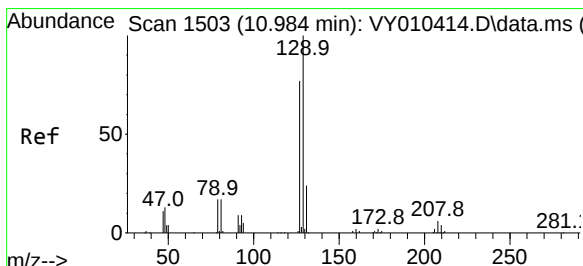
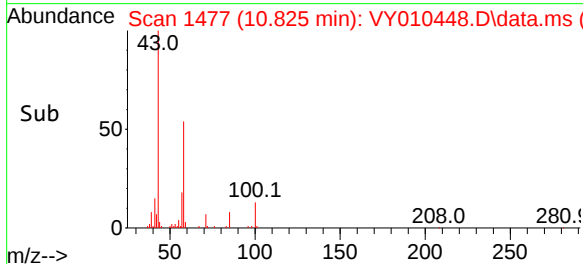
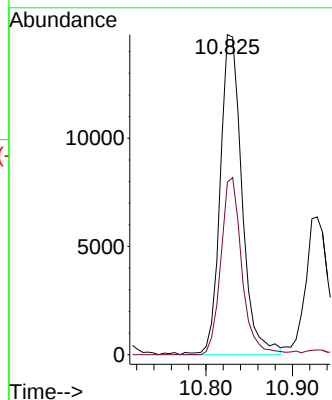
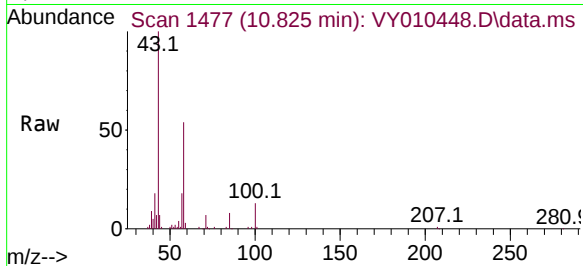




#59
2-Hexanone
Concen: 23.438 ug/l
RT: 10.825 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

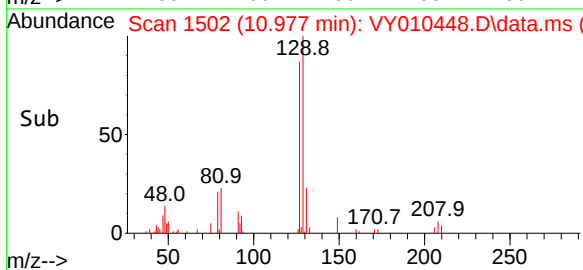
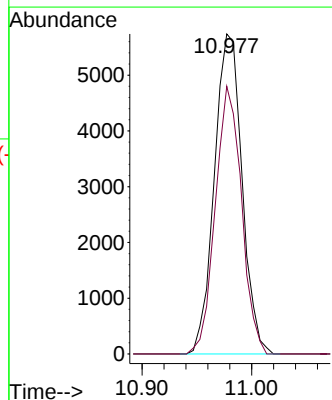
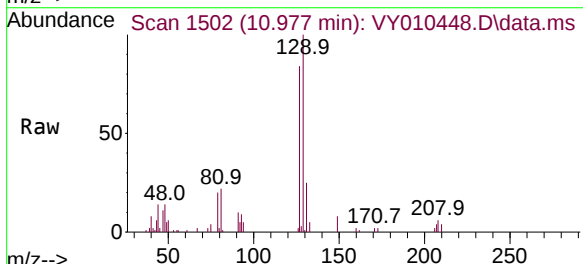
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

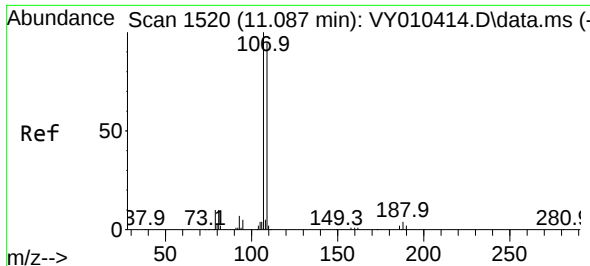
Tgt Ion: 43 Resp: 25829
Ion Ratio Lower Upper
43 100
58 53.3 24.4 73.4



#60
Dibromochloromethane
Concen: 4.467 ug/l
RT: 10.977 min Scan# 1502
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 129 Resp: 10071
Ion Ratio Lower Upper
129 100
127 79.2 38.7 116.1

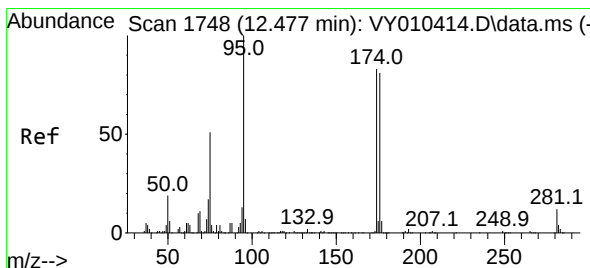
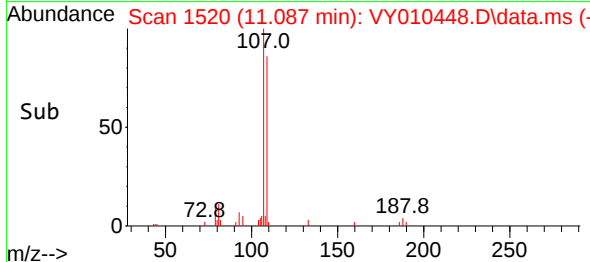
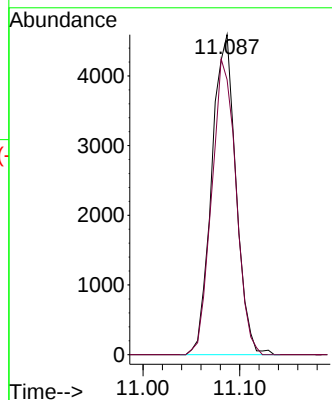
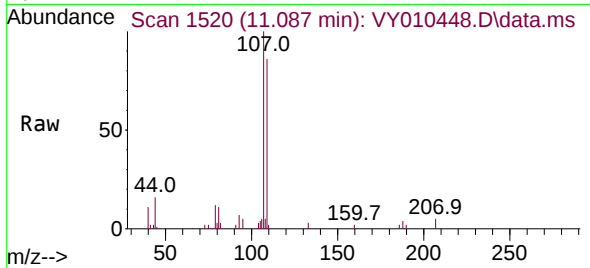




#61
1,2-Dibromoethane
Concen: 4.462 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

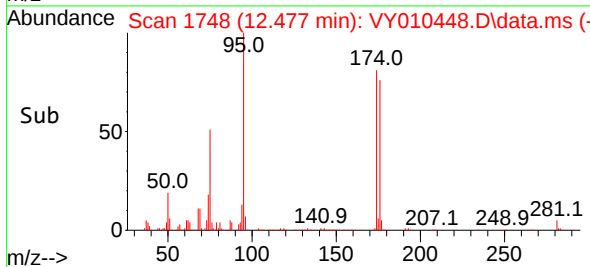
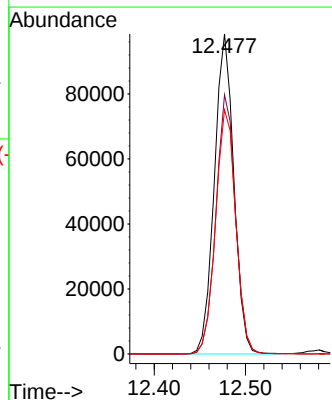
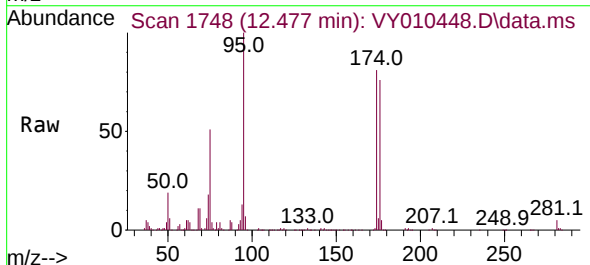
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

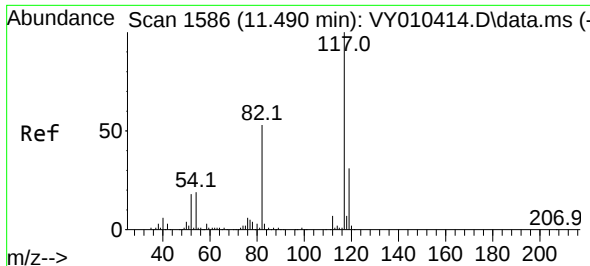
Tgt Ion:107 Resp: 7992
Ion Ratio Lower Upper
107 100
109 92.4 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 43.828 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 95 Resp: 145869
Ion Ratio Lower Upper
95 100
174 81.4 0.0 177.0
176 79.0 0.0 175.8

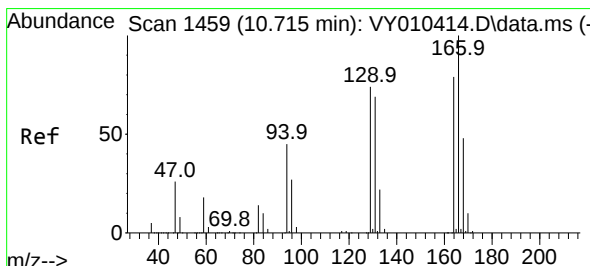
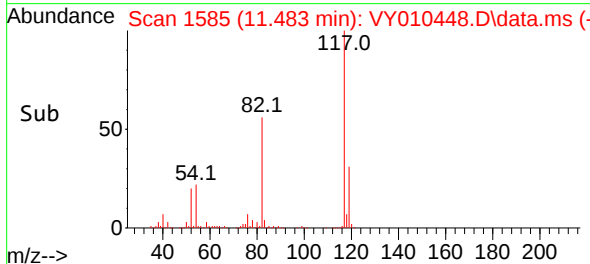
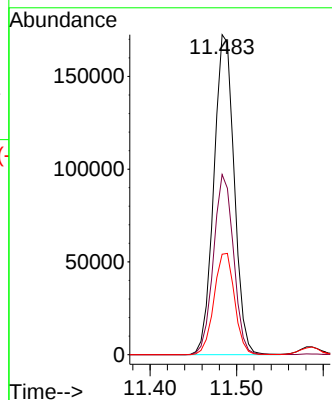
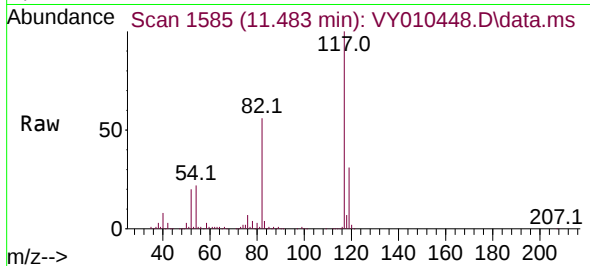




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

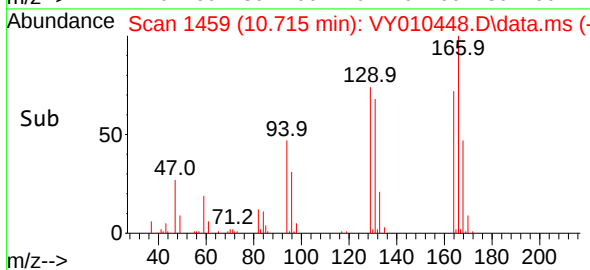
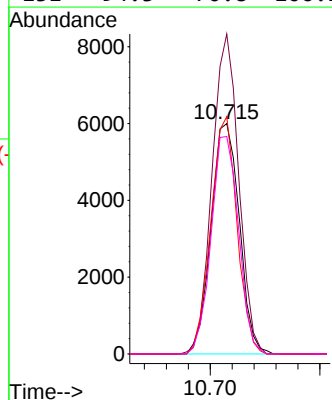
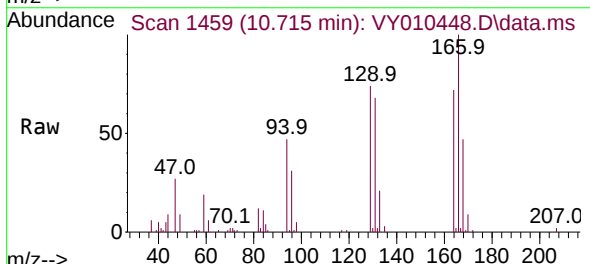
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

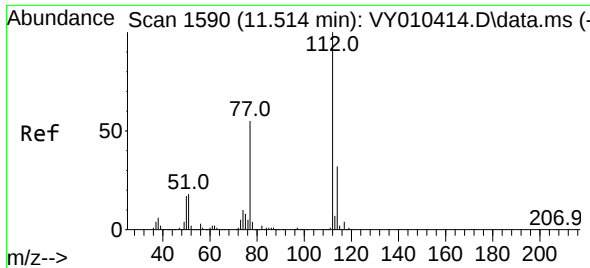
Tgt Ion:	117	Resp:	281552
Ion	Ratio	Lower	Upper
117	100		
82	56.3	43.0	64.4
119	31.4	25.4	38.0



#64
Tetrachloroethene
Concen: 4.235 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:	164	Resp:	10747
Ion	Ratio	Lower	Upper
164	100		
166	138.9	100.4	150.6
129	103.0	71.4	107.0
131	94.3	70.8	106.2

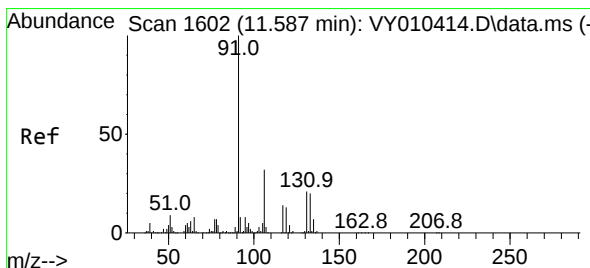
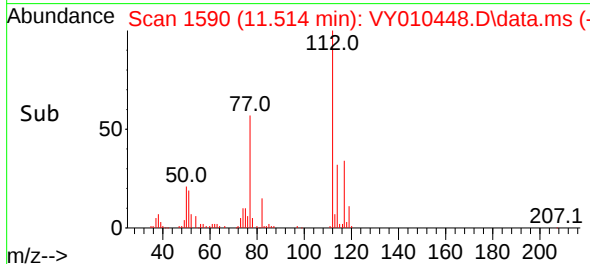
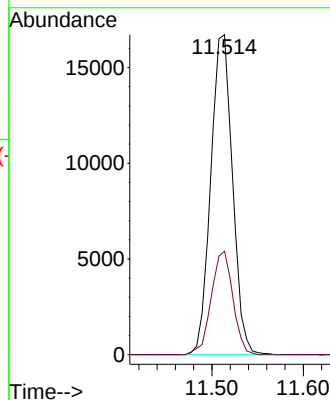
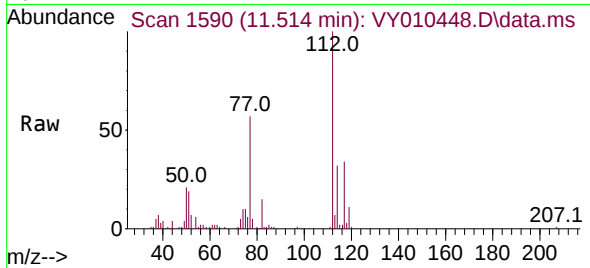




#65
Chlorobenzene
Concen: 4.387 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

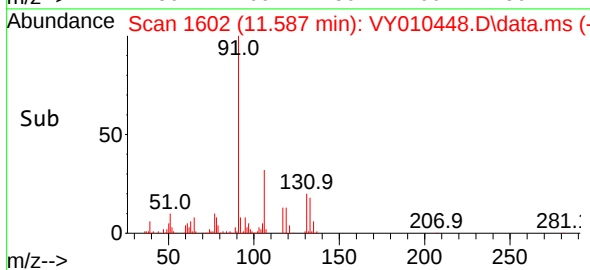
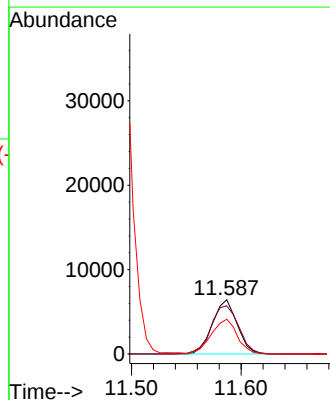
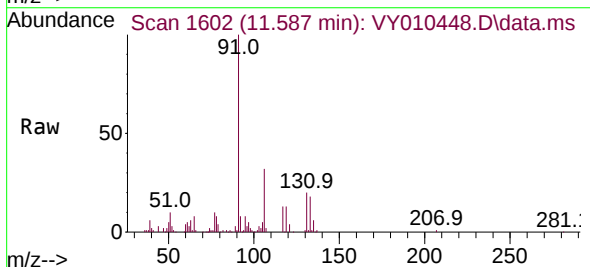
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

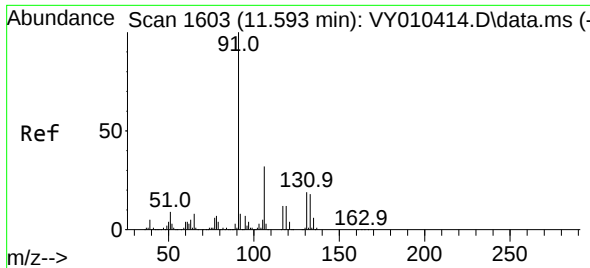
Tgt Ion:112 Resp: 27625
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.321 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:131 Resp: 10076
Ion Ratio Lower Upper
131 100
133 99.8 47.9 143.6
119 66.9 30.8 92.3

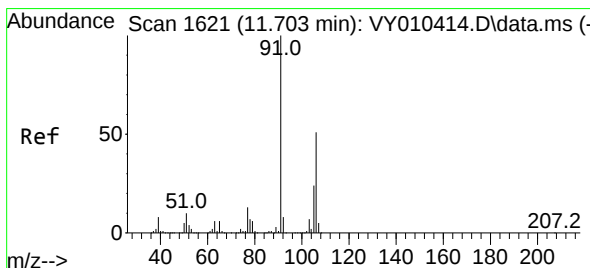
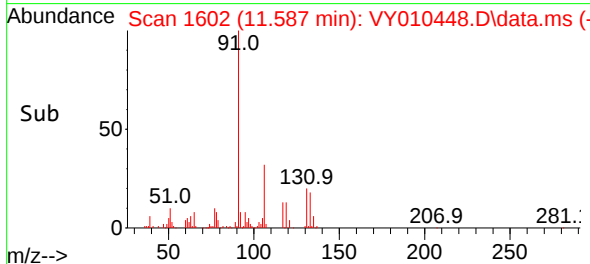
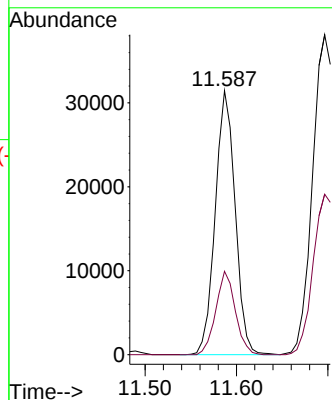
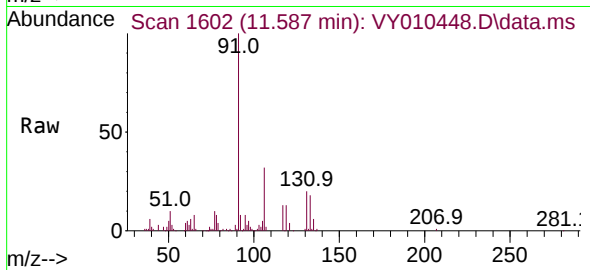




#67
Ethyl Benzene
Concen: 4.273 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

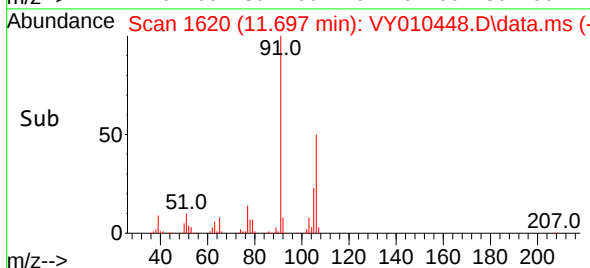
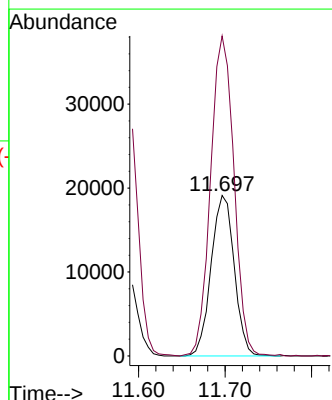
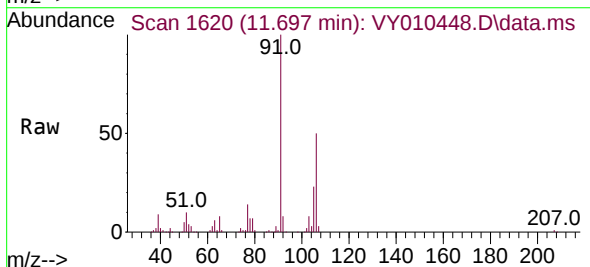
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

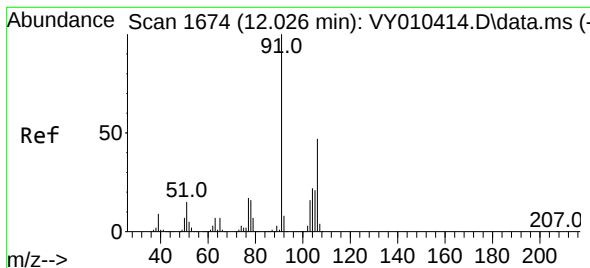
Tgt Ion: 91 Resp: 47623
Ion Ratio Lower Upper
91 100
106 31.5 24.5 36.7



#68
m/p-Xylenes
Concen: 8.104 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:106 Resp: 35453
Ion Ratio Lower Upper
106 100
91 202.0 166.6 249.8





#69

o-Xylene

Concen: 4.069 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

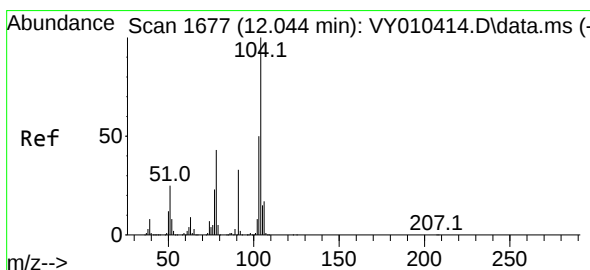
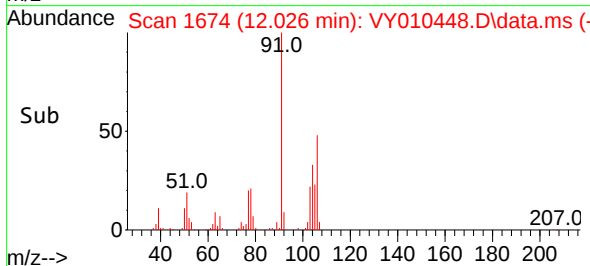
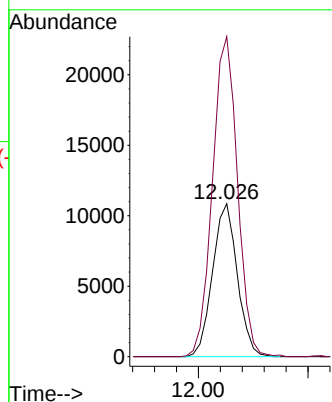
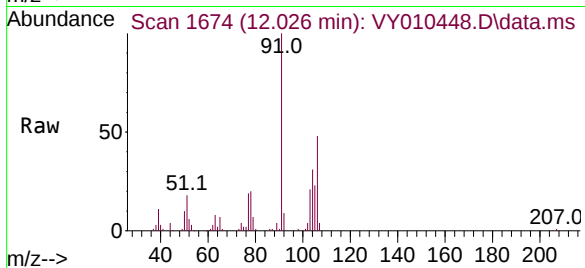
MDL-SOIL-03-QT3-2022

Tgt Ion:106 Resp: 17000

Ion Ratio Lower Upper

106 100

91 211.3 110.3 331.0



#70

Styrene

Concen: 4.012 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

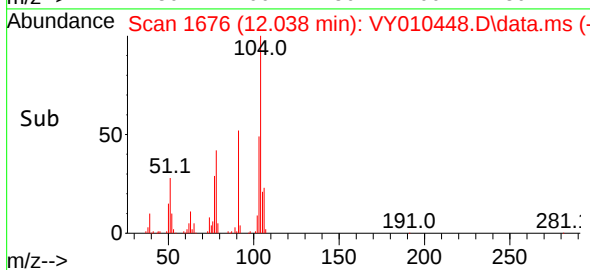
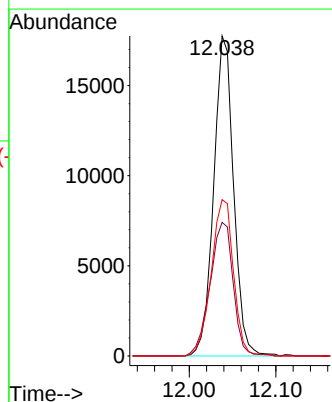
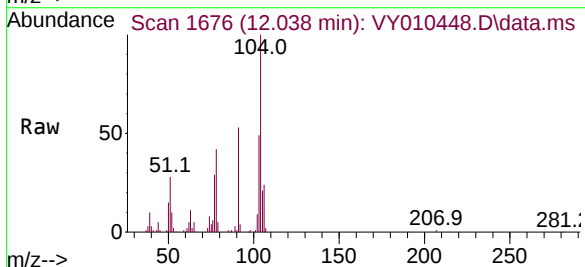
Tgt Ion:104 Resp: 28366

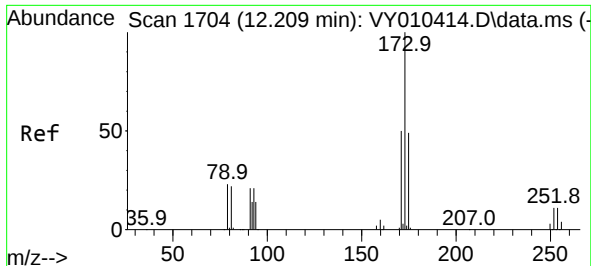
Ion Ratio Lower Upper

104 100

78 48.5 42.4 63.6

103 54.4 44.4 66.6

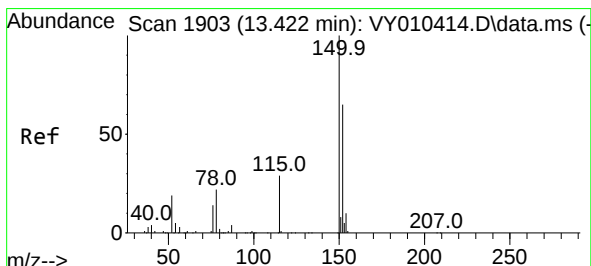
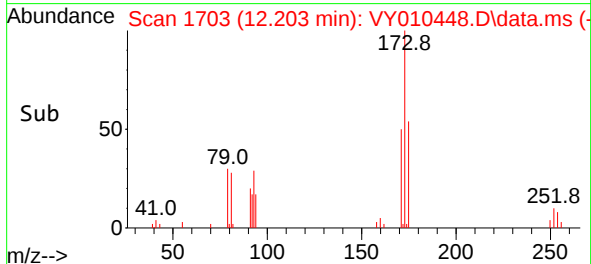
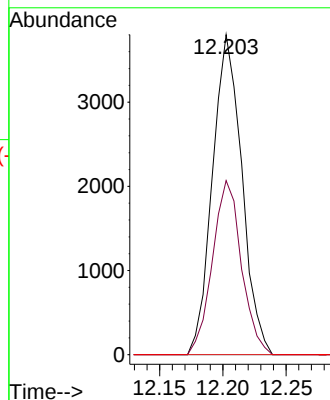
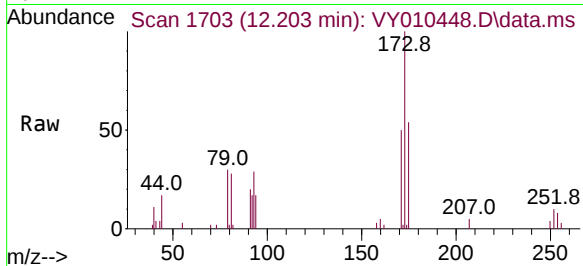




#71
Bromoform
Concen: 4.206 ug/l
RT: 12.203 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

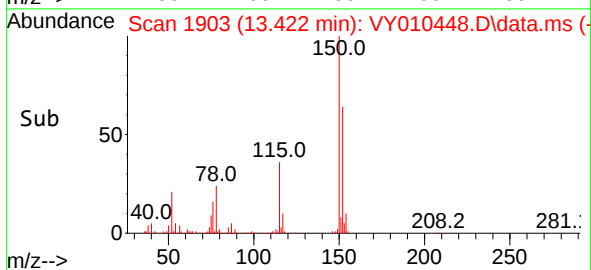
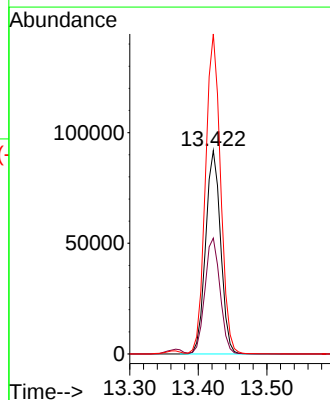
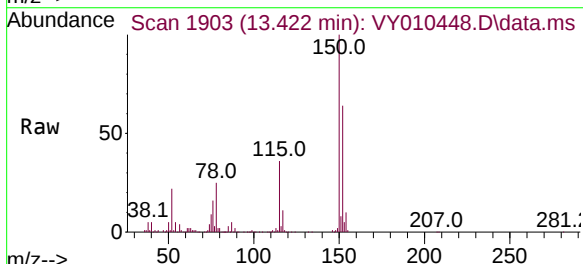
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

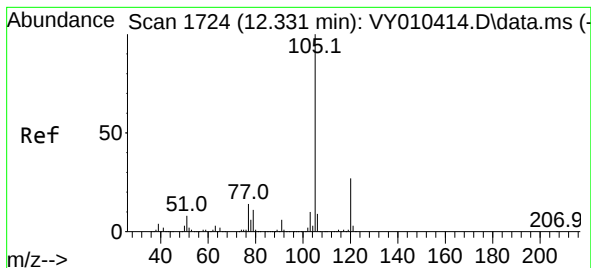
Tgt Ion:173 Resp: 6133
Ion Ratio Lower Upper
173 100
175 53.6 24.6 74.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:152 Resp: 139705
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 158.8 0.0 347.6





#73

Isopropylbenzene

Concen: 4.242 ug/l

RT: 12.325 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

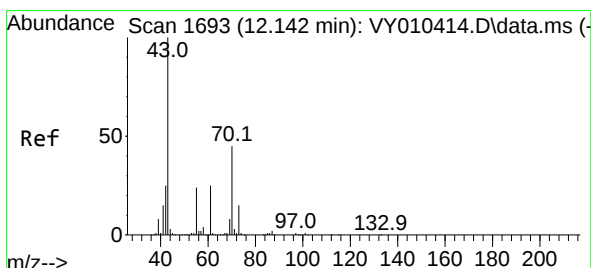
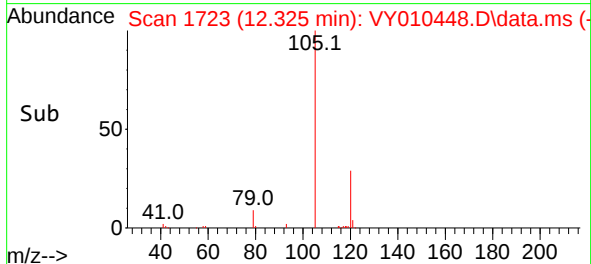
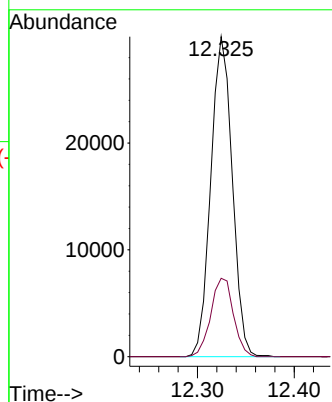
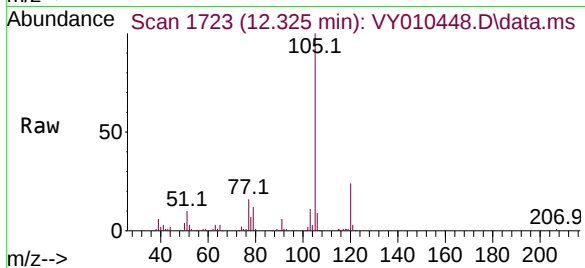
MDL-SOIL-03-QT3-2022

Tgt Ion:105 Resp: 46238

Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.2



#74

N-ethyl acetate

Concen: 4.610 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Tgt Ion: 43 Resp: 11724

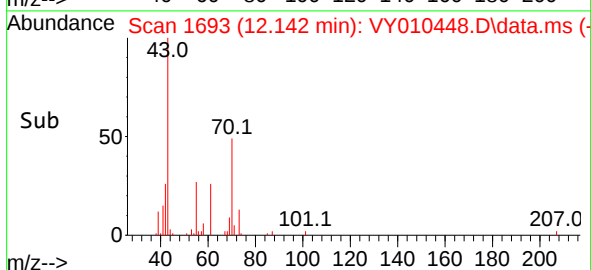
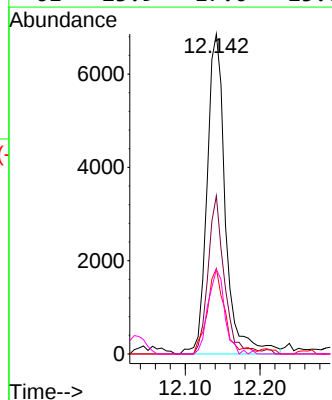
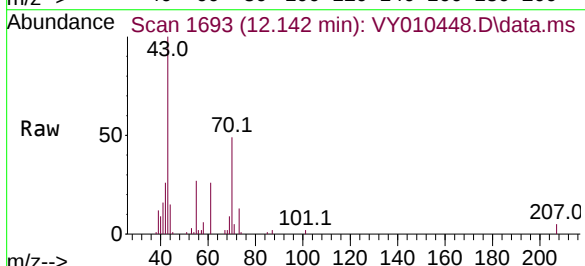
Ion Ratio Lower Upper

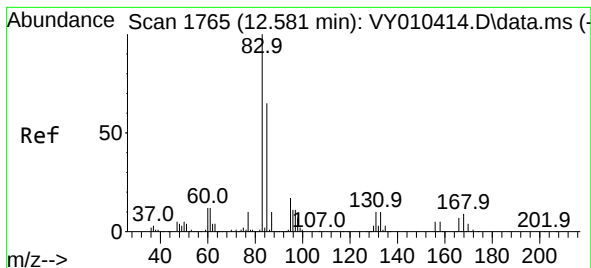
43 100

70 43.7 28.7 43.1#

55 25.7 17.3 25.9

61 23.9 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.125 ug/l

RT: 12.574 min Scan# 1764

Delta R.T. -0.007 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

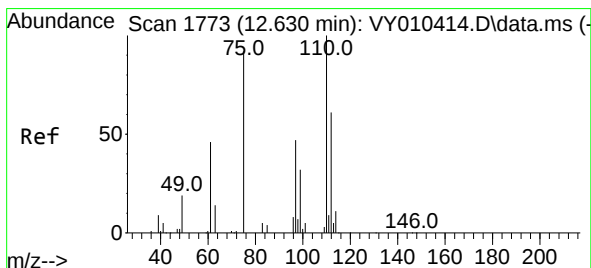
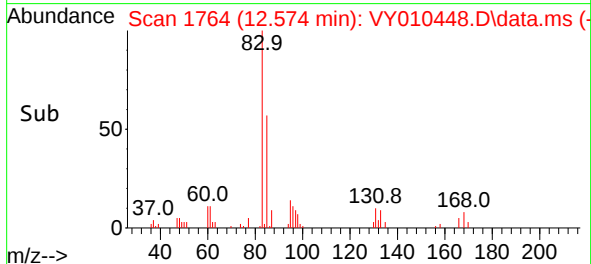
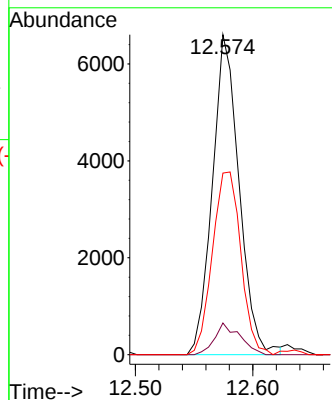
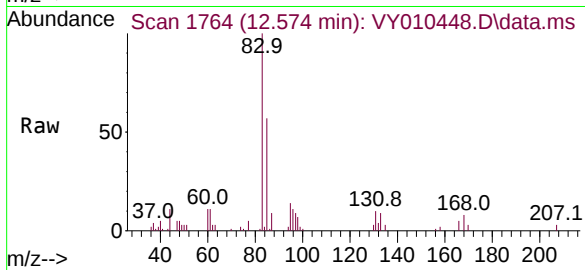
Tgt Ion: 83 Resp: 10450

Ion Ratio Lower Upper

83 100

131 9.4 5.6 16.8

85 60.6 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 8.669 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. -0.001 min

Lab File: VY010448.D

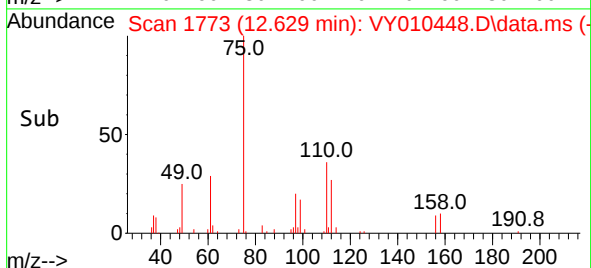
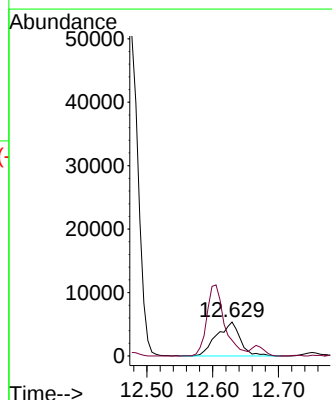
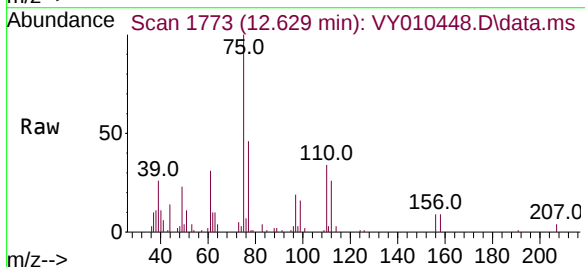
Acq: 12 Sep 2022 18:24

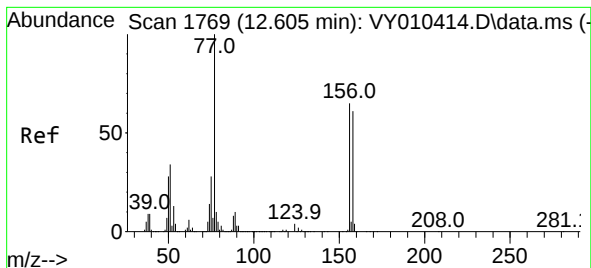
Tgt Ion: 75 Resp: 13367

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.326 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

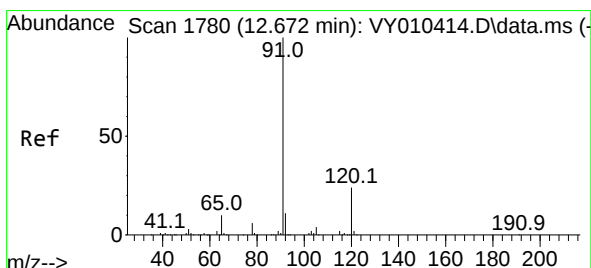
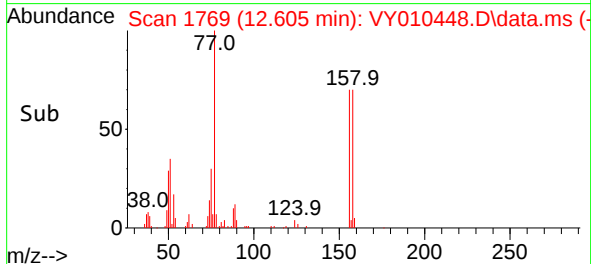
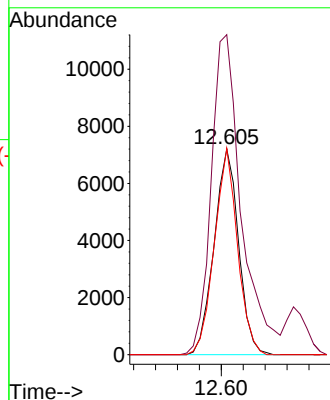
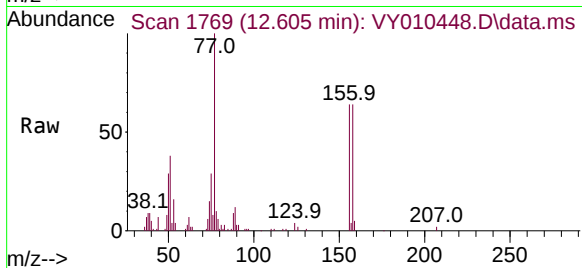
Tgt Ion:156 Resp: 11174

Ion Ratio Lower Upper

156 100

77 191.0 95.5 286.4

158 94.9 48.0 144.0



#78

n-propylbenzene

Concen: 4.343 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.006 min

Lab File: VY010448.D

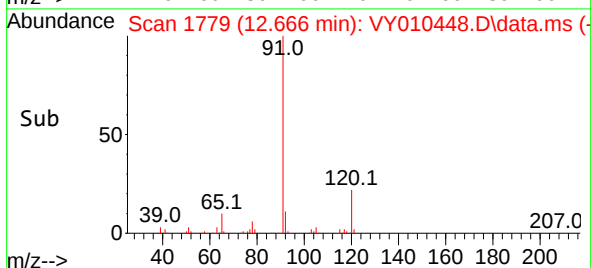
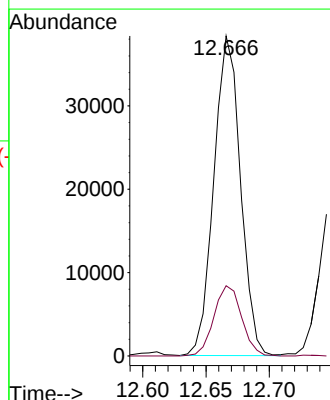
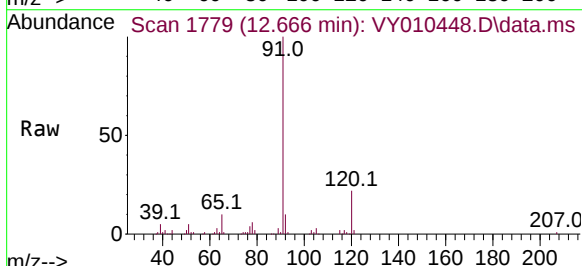
Acq: 12 Sep 2022 18:24

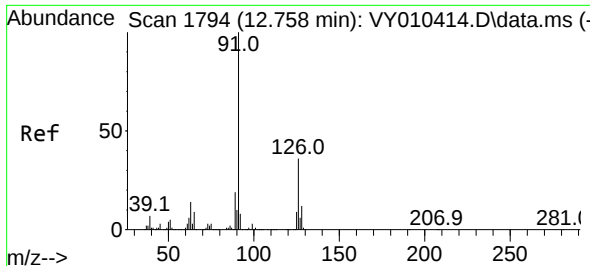
Tgt Ion: 91 Resp: 56053

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.9

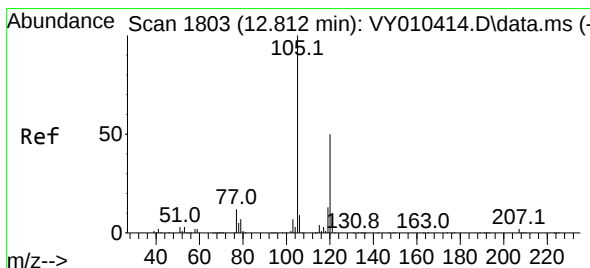
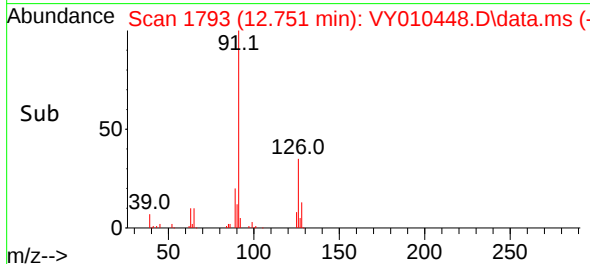
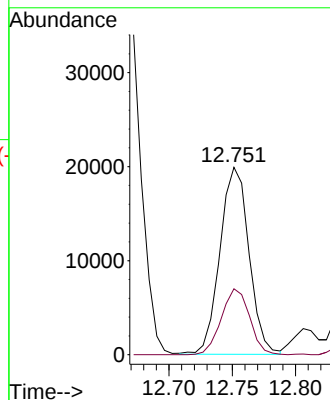
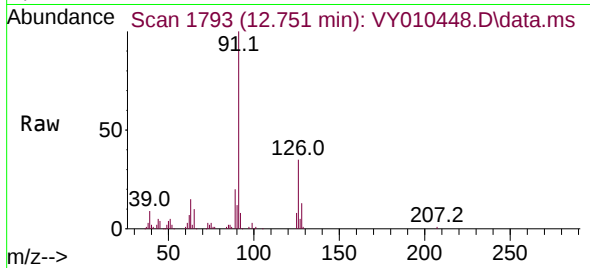




#79
2-Chlorotoluene
Concen: 4.389 ug/l
RT: 12.751 min Scan# 1793
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

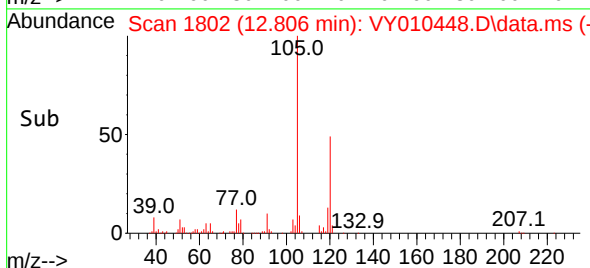
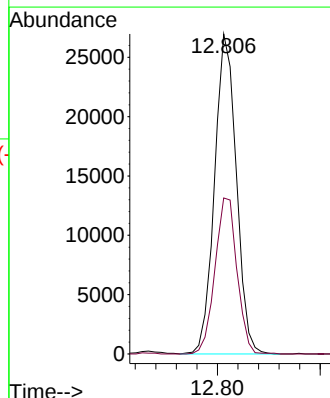
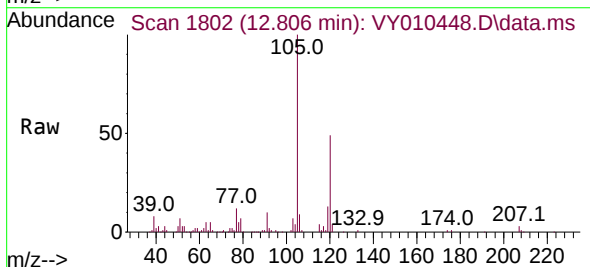
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

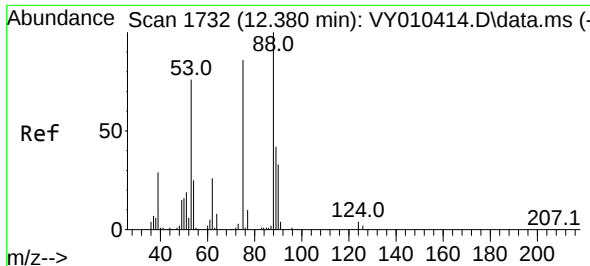
Tgt Ion: 91 Resp: 31822
Ion Ratio Lower Upper
91 100
126 34.2 16.9 50.6



#80
1,3,5-Trimethylbenzene
Concen: 4.307 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 105 Resp: 39616
Ion Ratio Lower Upper
105 100
120 49.4 24.4 73.4

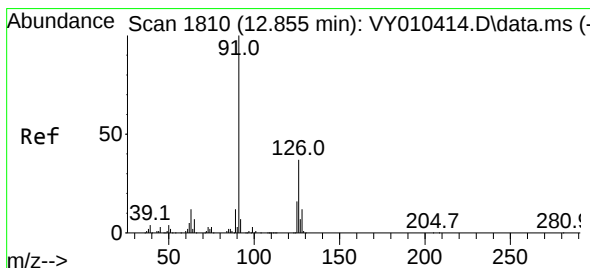
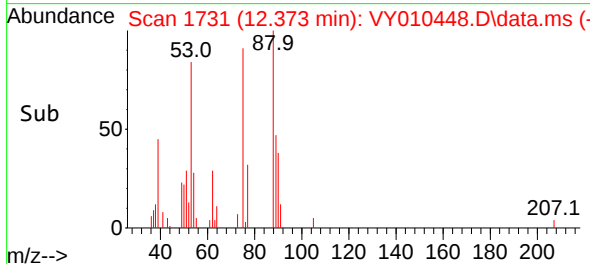
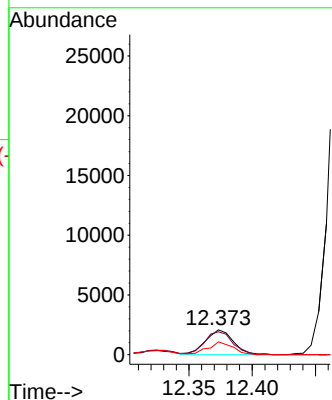
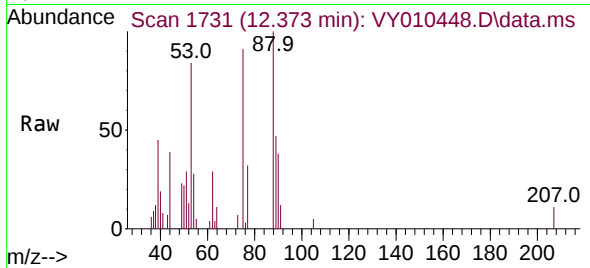




#81
trans-1,4-Dichloro-2-butene
Concen: 4.542 ug/l
RT: 12.373 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

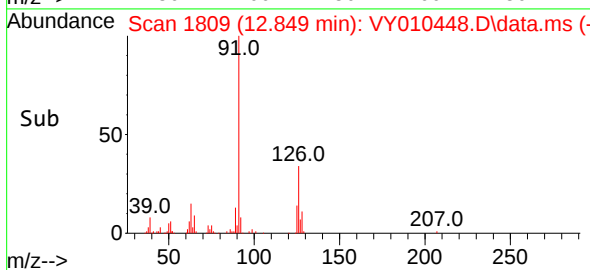
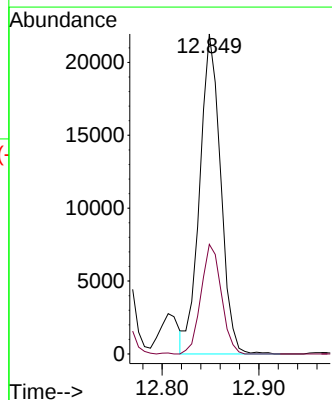
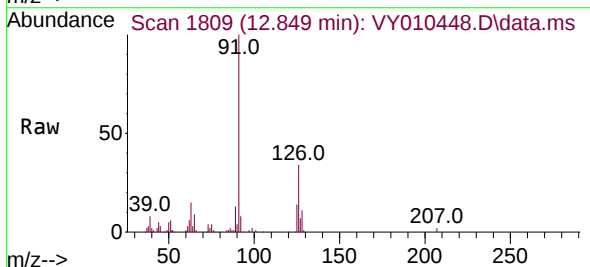
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

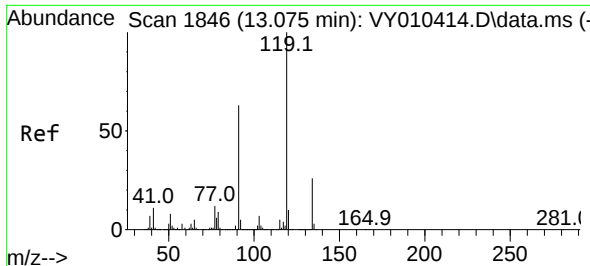
Tgt Ion: 75 Resp: 3154
Ion Ratio Lower Upper
75 100
53 96.2 85.3 127.9
89 46.0 37.0 55.4



#82
4-Chlorotoluene
Concen: 4.375 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion: 91 Resp: 32999
Ion Ratio Lower Upper
91 100
126 33.2 17.0 51.0

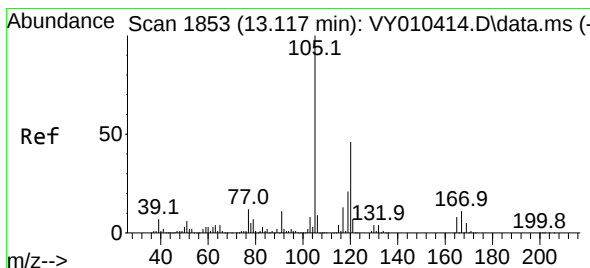
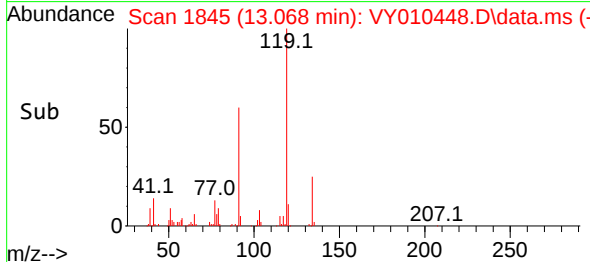
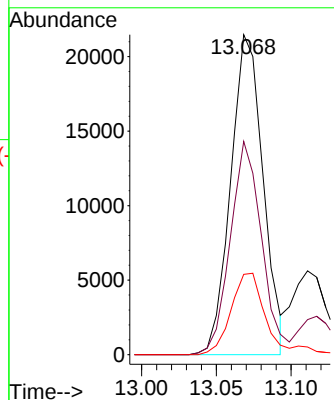
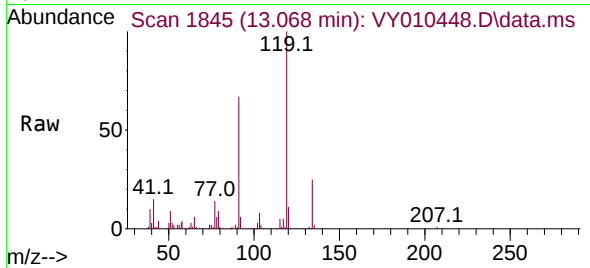




#83
tert-Butylbenzene
Concen: 4.023 ug/l
RT: 13.068 min Scan# 1845
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

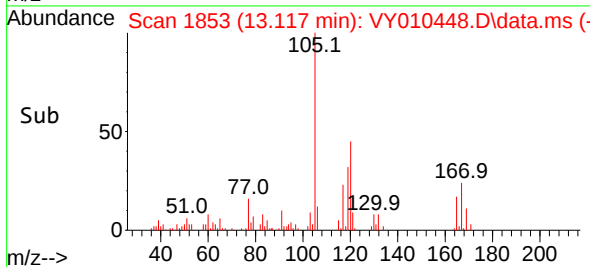
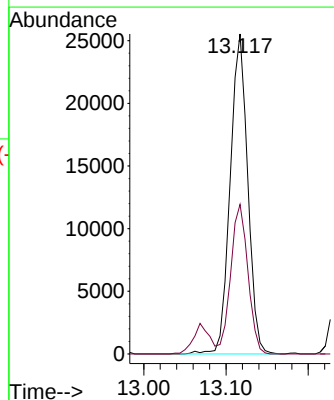
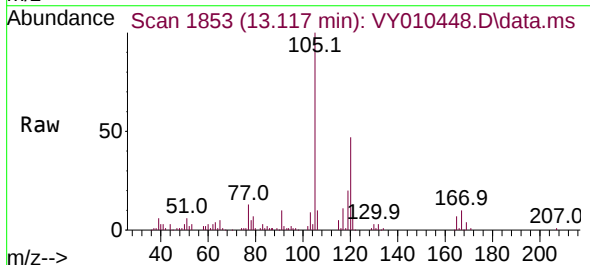
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

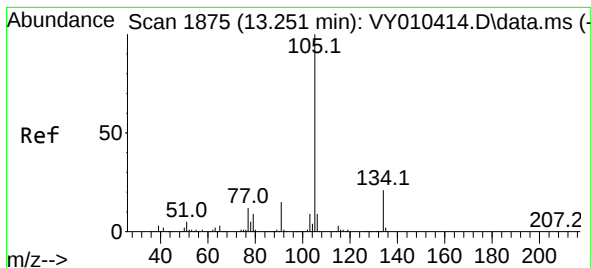
Tgt Ion:119 Resp: 32339
Ion Ratio Lower Upper
119 100
91 64.6 34.8 104.4
134 27.8 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 4.204 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:105 Resp: 37833
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 4.121 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

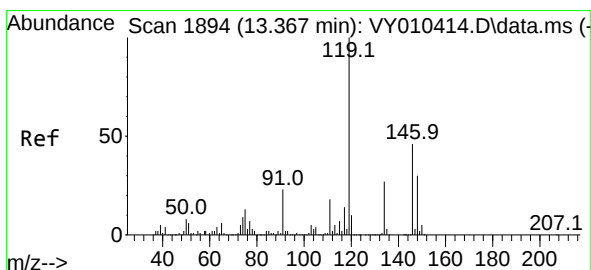
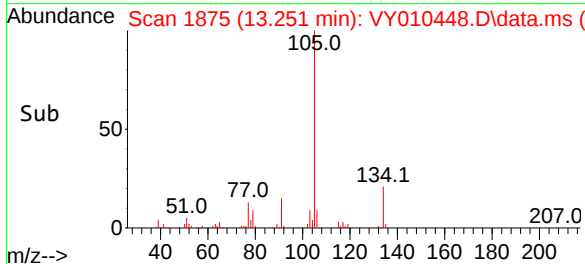
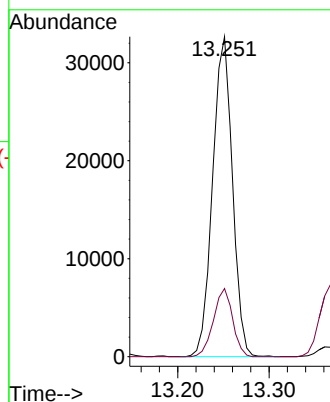
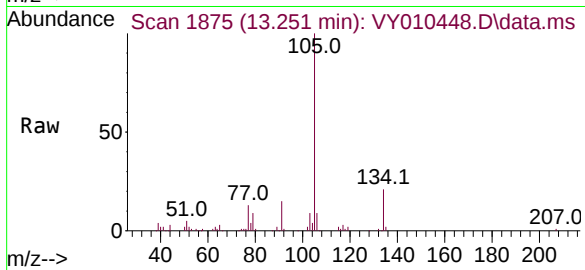
MDL-SOIL-03-QT3-2022

Tgt Ion:105 Resp: 49052

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.4



#86

p-Isopropyltoluene

Concen: 4.016 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

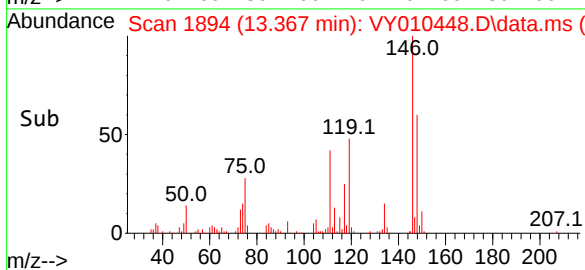
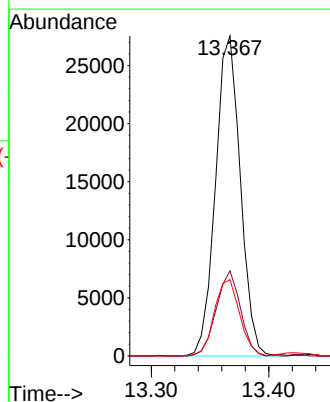
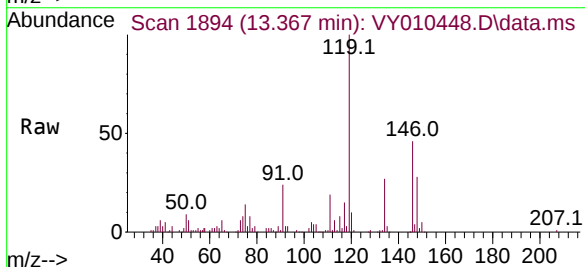
Tgt Ion:119 Resp: 40430

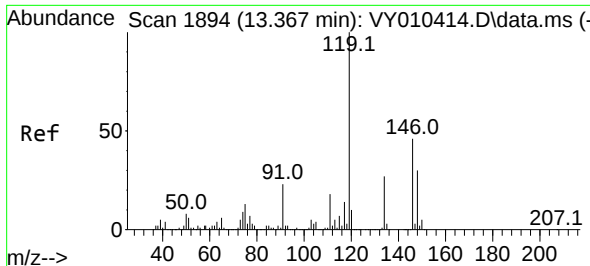
Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

91 24.4 12.4 37.2

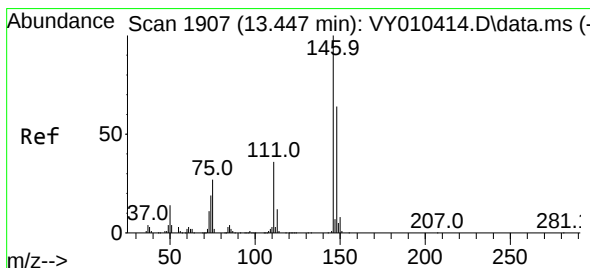
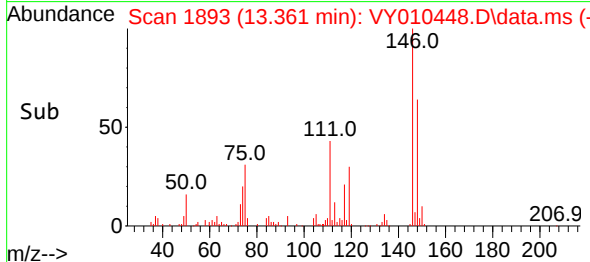
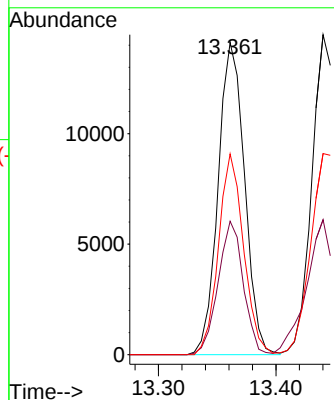
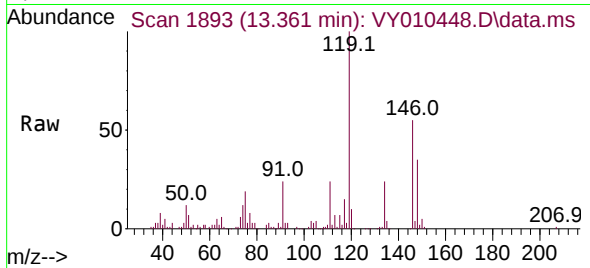




#87
1,3-Dichlorobenzene
Concen: 4.263 ug/l
RT: 13.361 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

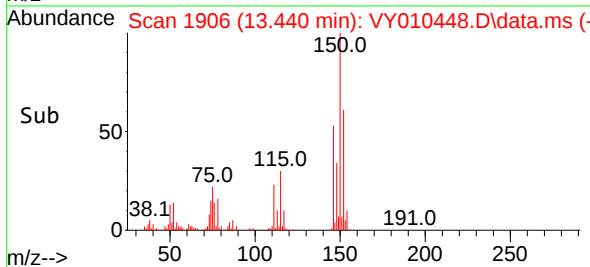
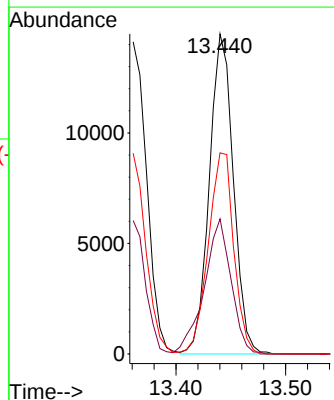
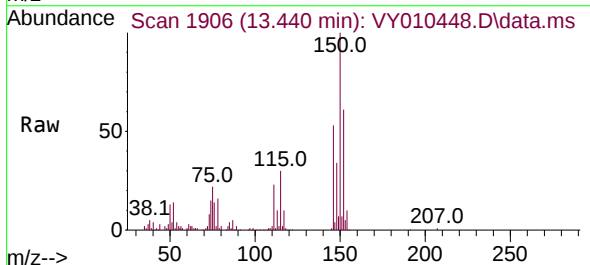
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

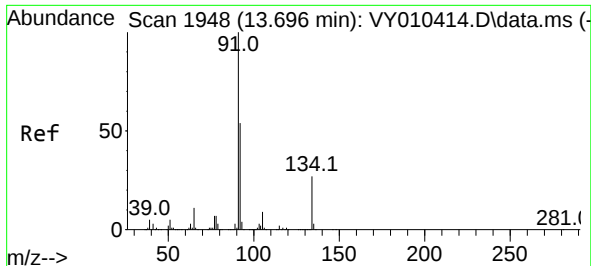
Tgt Ion:146 Resp: 22112
Ion Ratio Lower Upper
146 100
111 40.7 19.5 58.5
148 61.0 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 4.295 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.007 min
Lab File: VY010448.D
Acq: 12 Sep 2022 18:24

Tgt Ion:146 Resp: 22061
Ion Ratio Lower Upper
146 100
111 47.1 19.3 57.8
148 66.9 32.6 97.8





#89

n-Butylbenzene

Concen: 4.356 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

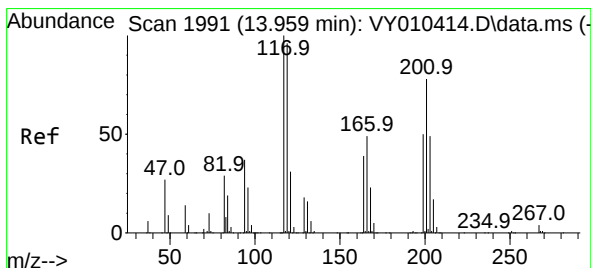
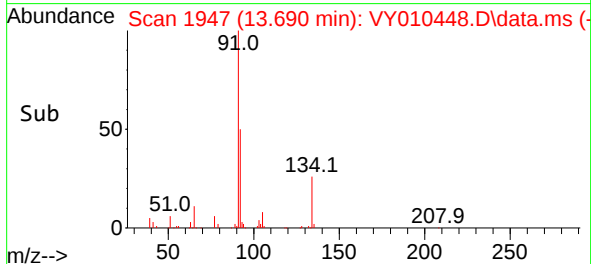
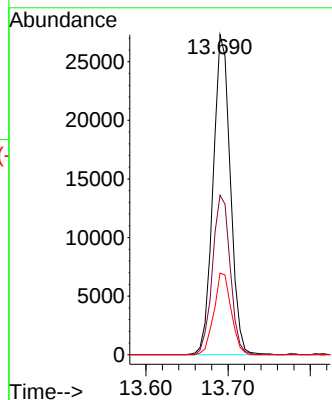
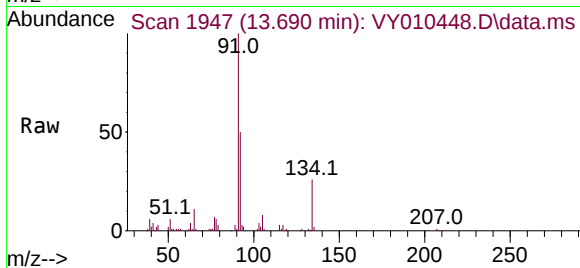
Tgt Ion: 91 Resp: 39812

Ion Ratio Lower Upper

91 100

92 51.0 26.3 78.9

134 25.5 13.0 38.9



#90

Hexachloroethane

Concen: 4.484 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.001 min

Lab File: VY010448.D

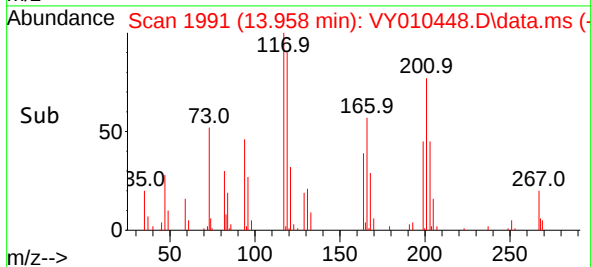
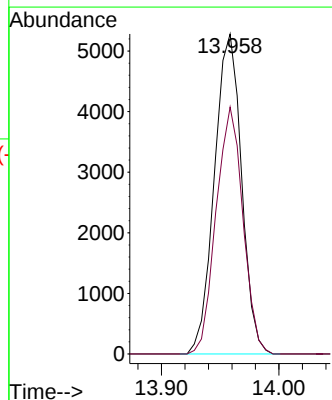
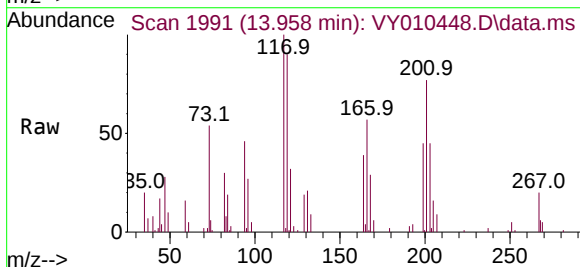
Acq: 12 Sep 2022 18:24

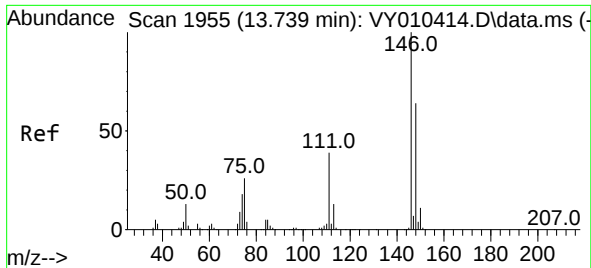
Tgt Ion: 117 Resp: 8476

Ion Ratio Lower Upper

117 100

201 76.3 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 4.241 ug/l

RT: 13.733 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

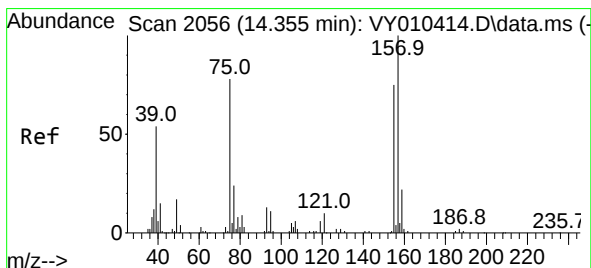
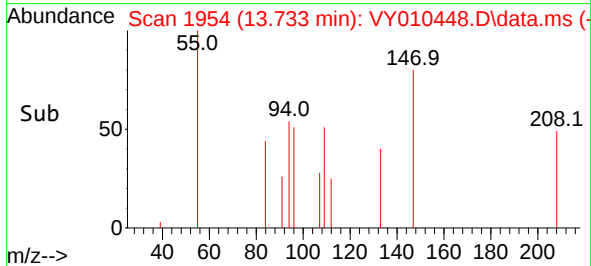
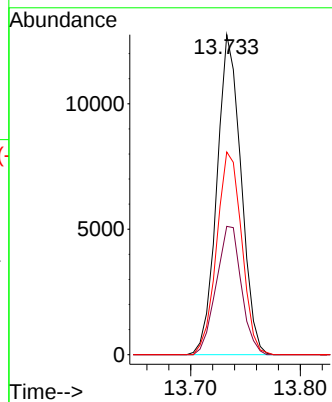
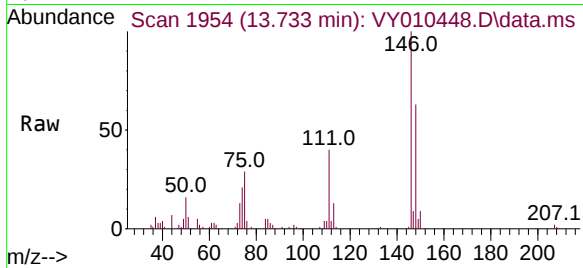
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:146	Resp:	19482
Ion Ratio	Lower	Upper
146	100	
111	41.8	20.3 60.9
148	65.8	32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.183 ug/l

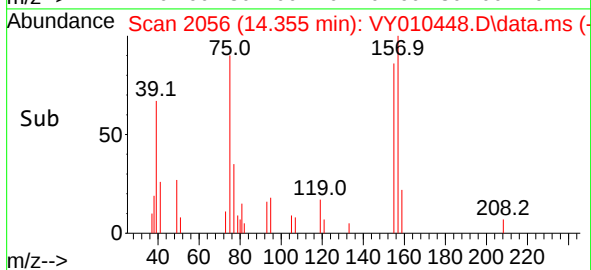
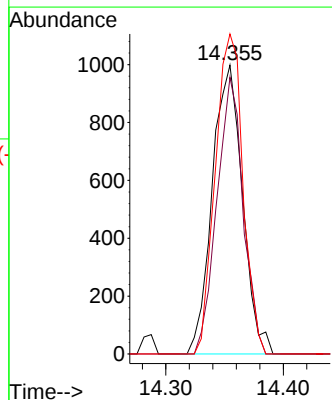
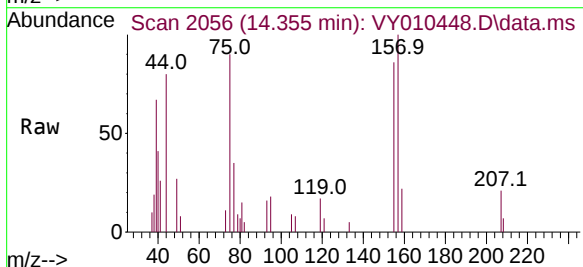
RT: 14.355 min Scan# 2056

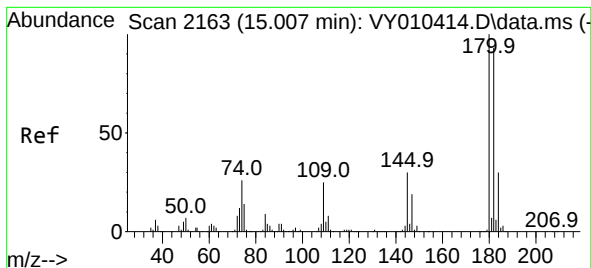
Delta R.T. -0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Tgt Ion: 75	Resp:	1784
Ion Ratio	Lower	Upper
75	100	
155	83.0	38.0 113.9
157	101.4	47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 4.058 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

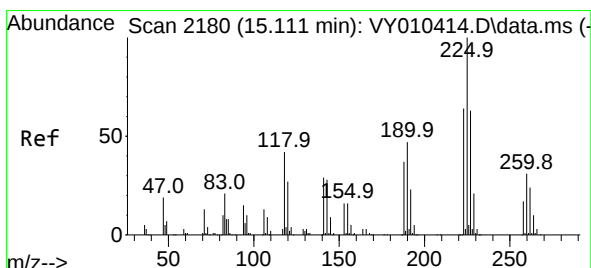
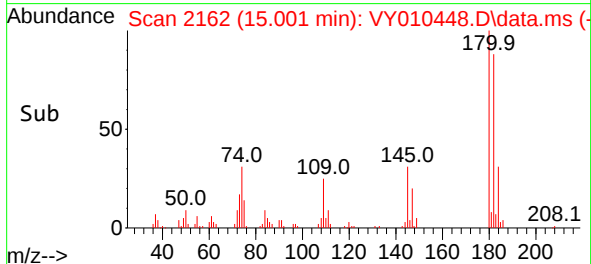
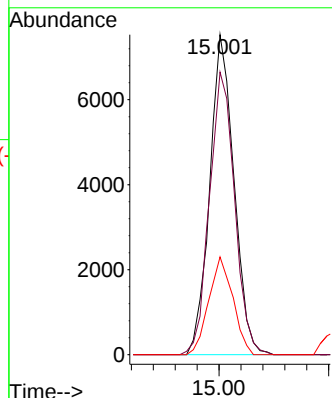
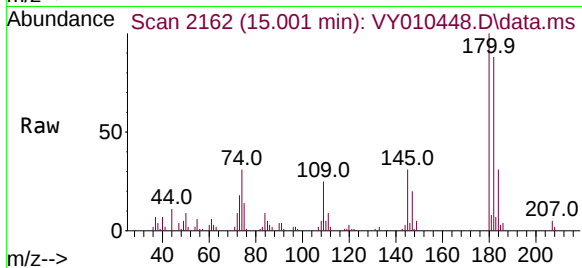
Tgt Ion:180 Resp: 11579

Ion Ratio Lower Upper

180 100

182 91.6 47.3 141.9

145 30.3 14.6 43.8



#94

Hexachlorobutadiene

Concen: 4.258 ug/l

RT: 15.105 min Scan# 2179

Delta R.T. -0.007 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

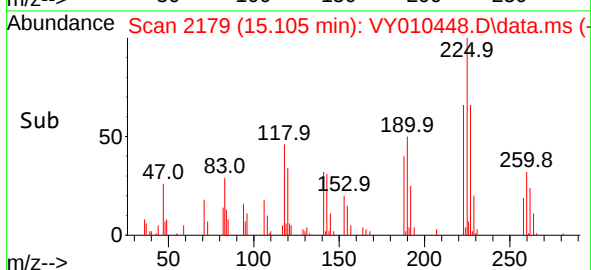
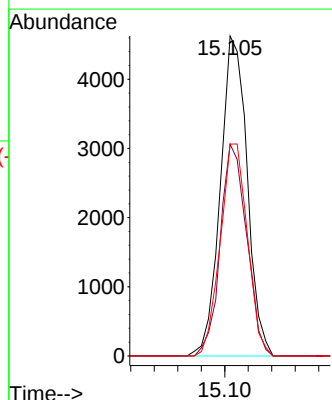
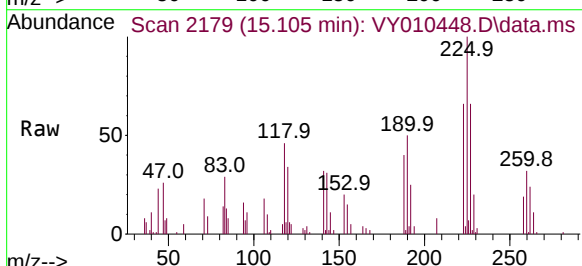
Tgt Ion:225 Resp: 7330

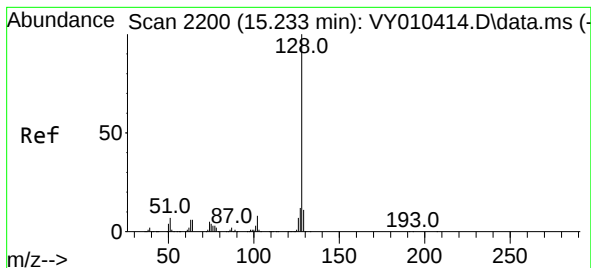
Ion Ratio Lower Upper

225 100

223 65.2 30.8 92.3

227 67.2 31.6 94.7





#95

Naphthalene

Concen: 4.046 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

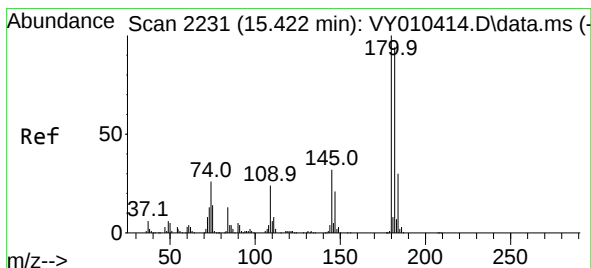
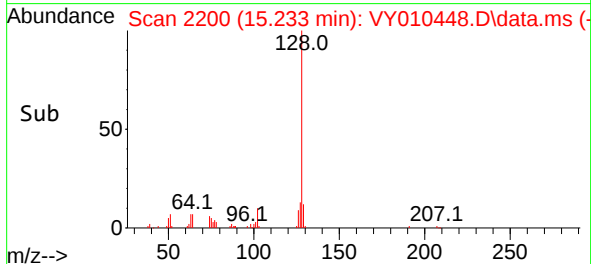
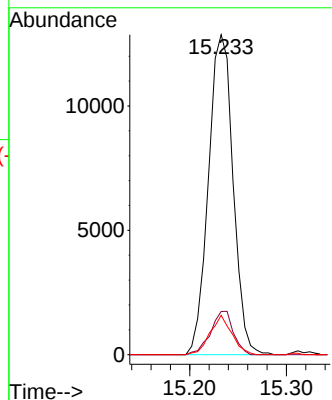
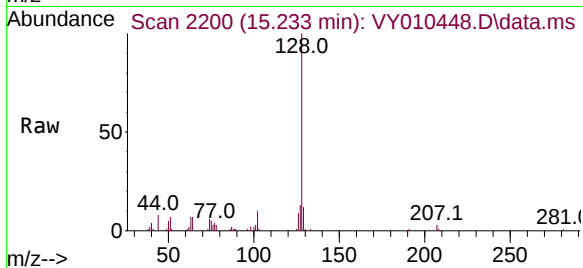
Tgt Ion:128 Resp: 22771

Ion Ratio Lower Upper

128 100

127 12.6 11.0 16.4

129 10.8 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 4.203 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY010448.D

Acq: 12 Sep 2022 18:24

Tgt Ion:180 Resp: 10468

Ion Ratio Lower Upper

180 100

182 91.8 47.3 141.9

145 31.4 15.3 45.9

