

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091222\
 Data File : VY010444.D
 Acq On : 12 Sep 2022 13:51
 Operator : KP/MD
 Sample : N3980-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 13 05:24:49 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	230773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	369165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	329647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161544	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	129146	55.564	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.120%	
35) Dibromofluoromethane	7.710	113	125959	48.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.080%	
50) Toluene-d8	10.179	98	462771	54.462	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.920%	
62) 4-Bromofluorobenzene	12.477	95	159426	40.886	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.780%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	6341	3.586	ug/l	97
3) Chloromethane	2.107	50	8912	3.437	ug/l	94
4) Vinyl Chloride	2.241	62	8735	2.731	ug/l	98
5) Bromomethane	2.644	94	7201	3.213	ug/l	86
6) Chloroethane	2.790	64	5698	2.663	ug/l #	83
7) Trichlorofluoromethane	3.113	101	11345	2.800	ug/l	85
8) Diethyl Ether	3.528	74	3676	2.801	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	6719	2.832	ug/l	95
10) Methyl Iodide	4.082	142	7068	2.408	ug/l	89
11) Tert butyl alcohol	4.948	59	6234	19.857	ug/l #	86
12) 1,1-Dichloroethene	3.857	96	5872	2.638	ug/l	92
13) Acrolein	3.729	56	2659	11.992	ug/l	92
14) Allyl chloride	4.473	41	8815	2.751	ug/l #	96
15) Acrylonitrile	5.155	53	9067	14.273	ug/l	95
16) Acetone	3.942	43	10194	19.112	ug/l	95
17) Carbon Disulfide	4.180	76	15870	2.637	ug/l	95
18) Methyl Acetate	4.479	43	6193	3.774	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	17126	2.787	ug/l	94
20) Methylene Chloride	4.698	84	30282	9.302	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	6938	2.746	ug/l	85
22) Diisopropyl ether	6.106	45	18542	2.592	ug/l #	94
23) Vinyl Acetate	6.058	43	51478	11.741	ug/l #	89
24) 1,1-Dichloroethane	6.009	63	12139	2.803	ug/l #	95
25) 2-Butanone	6.984	43	13893	16.389	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	13745	3.325	ug/l	90
27) cis-1,2-Dichloroethene	6.978	96	7948	2.706	ug/l	99
28) Bromochloromethane	7.326	49	4358	3.138	ug/l #	76
29) Tetrahydrofuran	7.350	42	7529	14.231	ug/l #	88
30) Chloroform	7.502	83	12863	2.800	ug/l	94
31) Cyclohexane	7.777	56	14137	3.600	ug/l #	71
32) 1,1,1-Trichloroethane	7.698	97	11380	2.735	ug/l	95
36) 1,1-Dichloropropene	7.917	75	10233	2.851	ug/l	97
37) Ethyl Acetate	7.070	43	5582	2.958	ug/l	97
38) Carbon Tetrachloride	7.893	117	10220	2.559	ug/l	97
39) Methylcyclohexane	9.179	83	11357	2.538	ug/l	92
40) Benzene	8.155	78	28584	2.766	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	7015	6.503	ug/l #	23
42) 1,2-Dichloroethane	8.228	62	8921	2.903	ug/l	94
43) Isopropyl Acetate	8.271	43	8966	2.597	ug/l #	88
44) Trichloroethene	8.935	130	8211	2.700	ug/l	93
45) 1,2-Dichloropropane	9.209	63	6776	2.689	ug/l #	89
46) Dibromomethane	9.301	93	3967	2.610	ug/l	97
47) Bromodichloromethane	9.496	83	9460	2.621	ug/l	97
48) Methyl methacrylate	9.289	41	3824	2.466	ug/l #	81
49) 1,4-Dioxane	9.289	88	968	48.120	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	23575	12.447	ug/l	89
52) Toluene	10.240	92	17900	2.647	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	9010	2.426	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	10746	2.565	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	5692	2.633	ug/l	92
56) Ethyl methacrylate	10.508	69	6589	2.321	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	9656	2.686	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.783	63	16366	16.946	ug/l	93
59) 2-Hexanone	10.831	43	15099	11.695	ug/l	86
60) Dibromochloromethane	10.977	129	6825	2.584	ug/l	97
61) 1,2-Dibromoethane	11.093	107	5354	2.551	ug/l	100
64) Tetrachloroethene	10.721	164	8467	2.850	ug/l	91
65) Chlorobenzene	11.514	112	20319	2.756	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.587	131	6577	2.409	ug/l	89
67) Ethyl Benzene	11.593	91	33455	2.564	ug/l	95
68) m/p-Xylenes	11.697	106	25880	5.052	ug/l	91
69) o-Xylene	12.026	106	12392	2.534	ug/l	92
70) Styrene	12.044	104	20517	2.478	ug/l	96
71) Bromoform	12.209	173	4275	2.504	ug/l #	100
73) Isopropylbenzene	12.331	105	33263	2.639	ug/l	100
74) N-amyl acetate	12.142	43	6664	2.266	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	6597	2.798	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	8523	4.780	ug/l #	100
77) Bromobenzene	12.605	156	8111	2.716	ug/l	94
78) n-propylbenzene	12.672	91	40005	2.680	ug/l	97
79) 2-Chlorotoluene	12.758	91	22833	2.723	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	28358	2.667	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	81538	101.544	ug/l #	7
82) 4-Chlorotoluene	12.855	91	23276	2.669	ug/l	100
83) tert-Butylbenzene	13.075	119	24425	2.628	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	26871	2.582	ug/l	97
85) sec-Butylbenzene	13.251	105	36660	2.663	ug/l	100
86) p-Isopropyltoluene	13.367	119	28740	2.469	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	16902	2.818	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	17601	2.964	ug/l	93
89) n-Butylbenzene	13.696	91	27964	2.646	ug/l	99
90) Hexachloroethane	13.953	117	6159	2.818	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	14806	2.787	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1127	2.832	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	9542	2.892	ug/l	99
94) Hexachlorobutadiene	15.111	225	5560	2.793	ug/l	93
95) Naphthalene	15.233	128	17631	2.709	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	7993	2.775	ug/l	97

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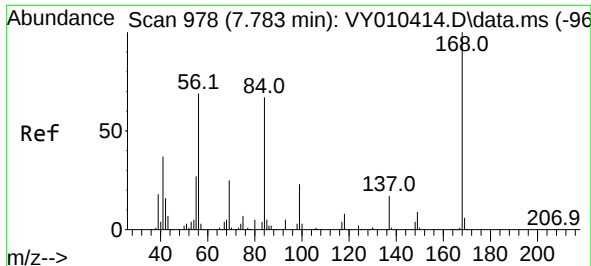
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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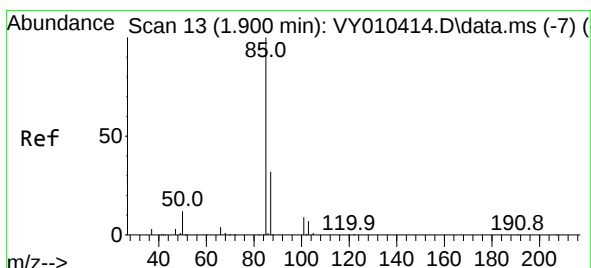
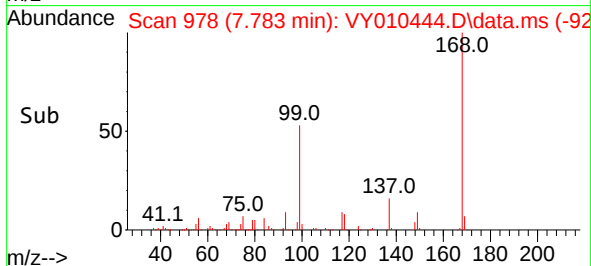
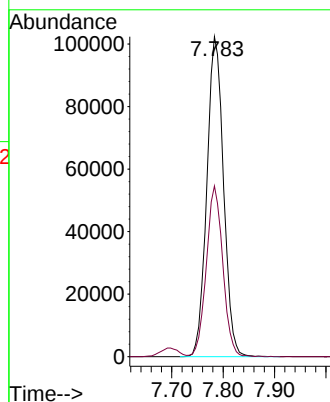
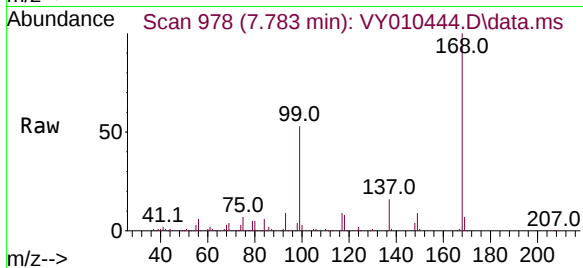




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
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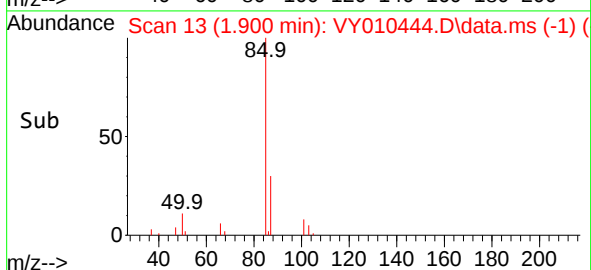
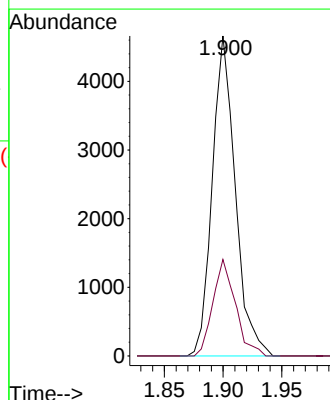
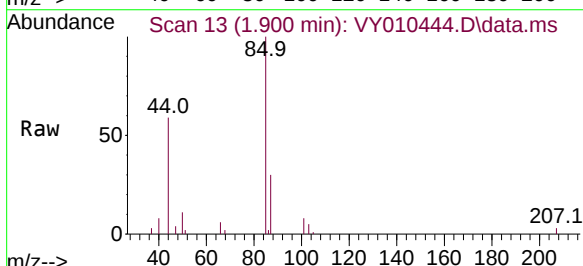
Instrument :
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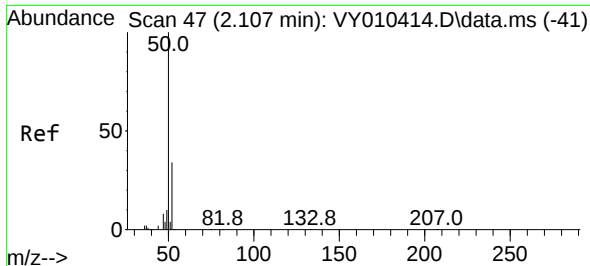
Tgt Ion:168 Resp: 230773
Ion Ratio Lower Upper
168 100
99 53.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 3.586 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 85 Resp: 6341
Ion Ratio Lower Upper
85 100
87 30.2 16.1 48.2

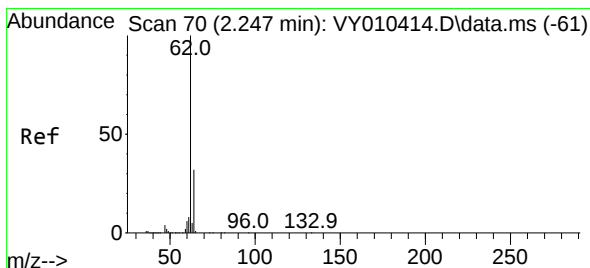
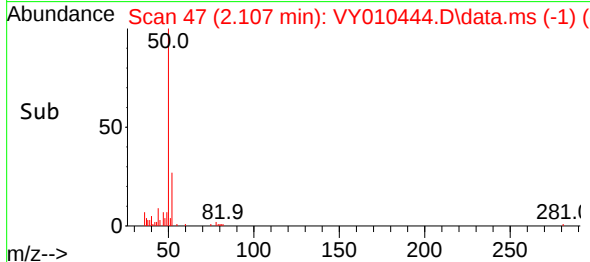
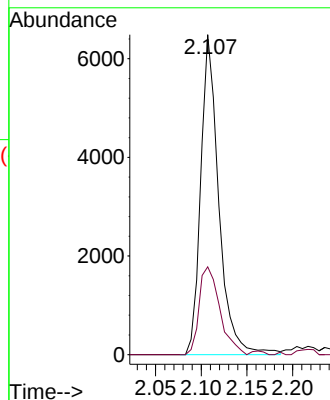
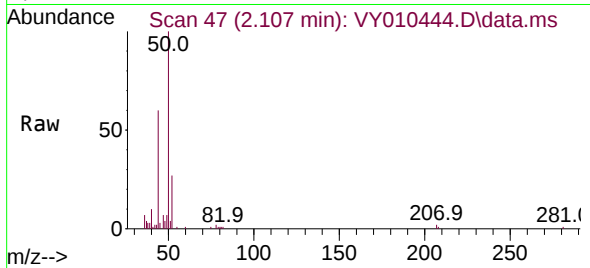




#3
Chloromethane
Concen: 3.437 ug/l
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

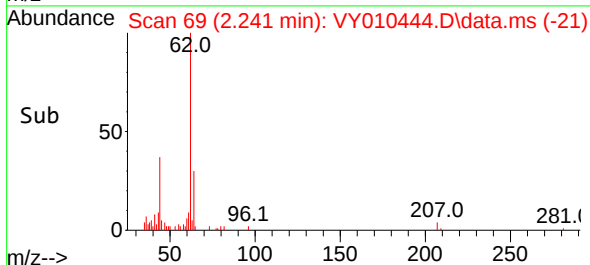
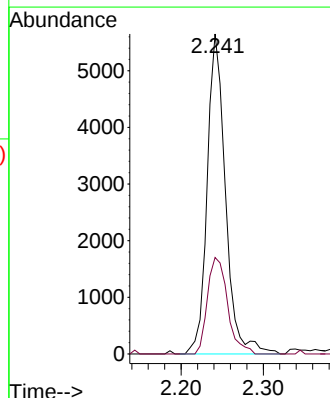
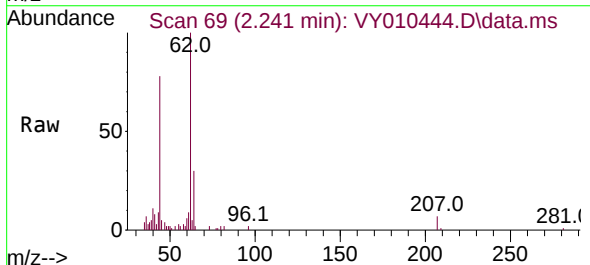
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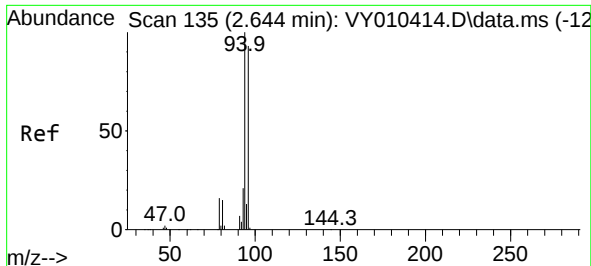
Tgt Ion: 50 Resp: 8912
Ion Ratio Lower Upper
50 100
52 27.5 24.6 37.0



#4
Vinyl Chloride
Concen: 2.731 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 62 Resp: 8735
Ion Ratio Lower Upper
62 100
64 30.1 25.0 37.6

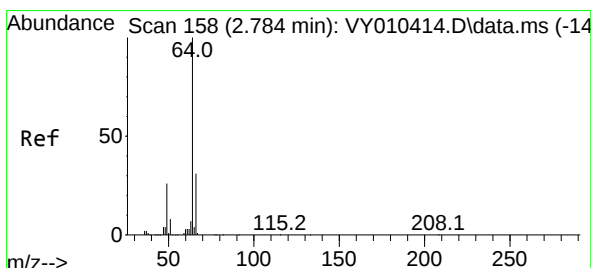
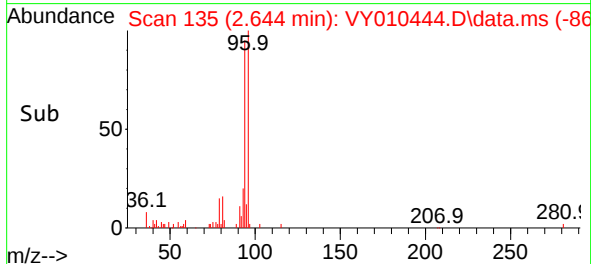
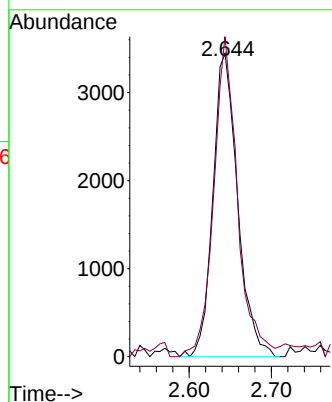
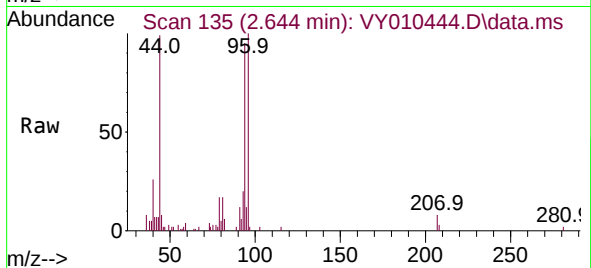




#5
Bromomethane
Concen: 3.213 ug/l
RT: 2.644 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

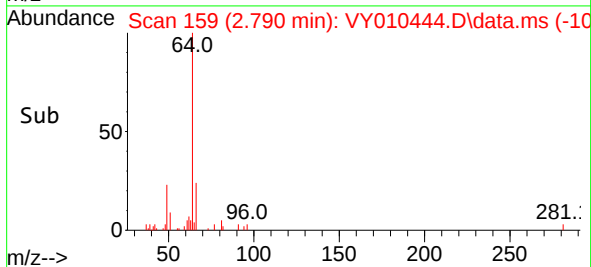
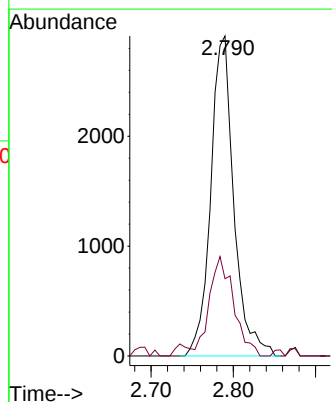
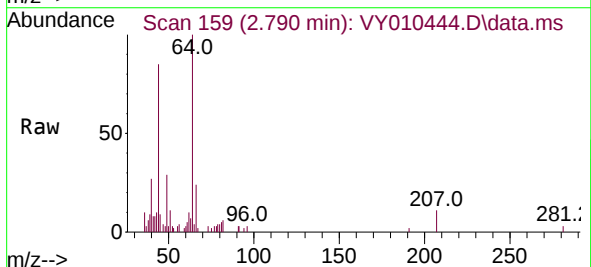
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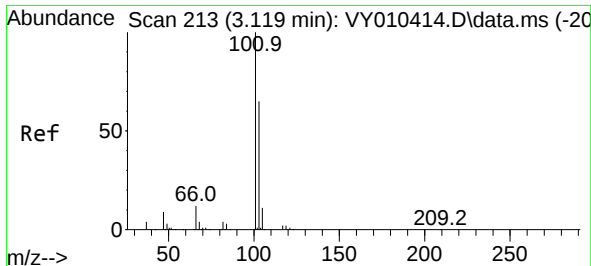
Tgt Ion: 94 Resp: 7201
Ion Ratio Lower Upper
94 100
96 105.5 73.5 110.3



#6
Chloroethane
Concen: 2.663 ug/l
RT: 2.790 min Scan# 159
Delta R.T. 0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 64 Resp: 5698
Ion Ratio Lower Upper
64 100
66 22.2 25.4 38.0#

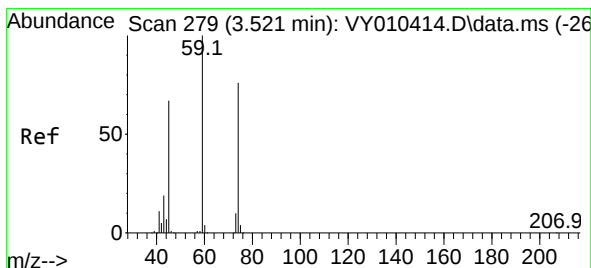
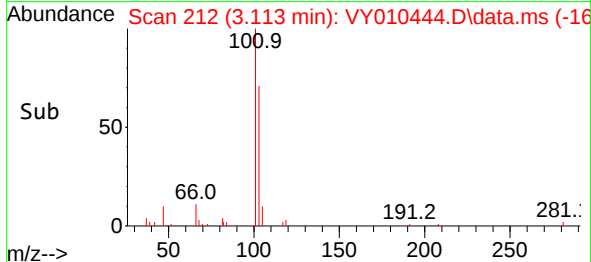
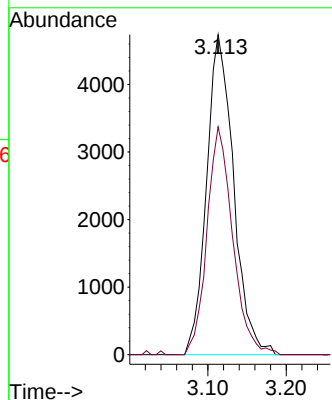
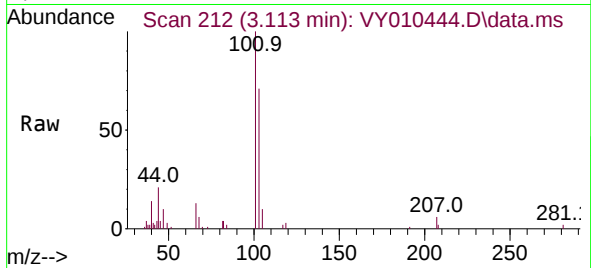




#7
Trichlorofluoromethane
Concen: 2.800 ug/l
RT: 3.113 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY010444.D
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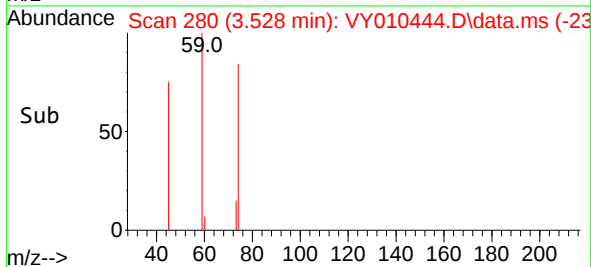
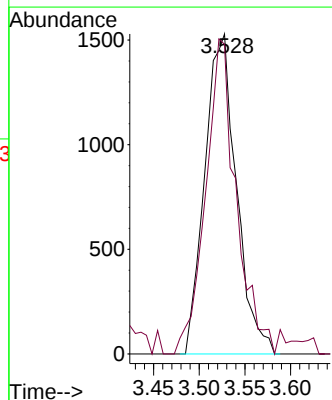
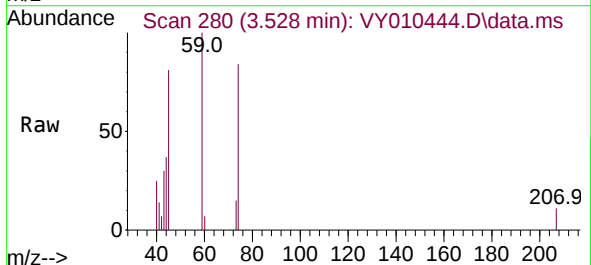
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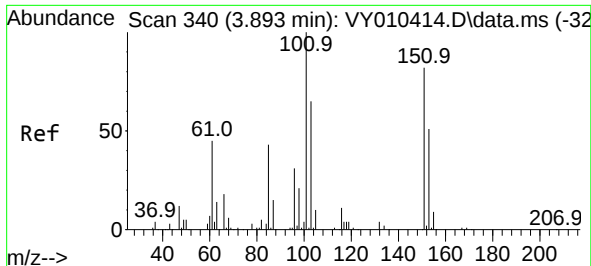
Tgt Ion:101 Resp: 11345
Ion Ratio Lower Upper
101 100
103 71.2 48.0 72.0



#8
Diethyl Ether
Concen: 2.801 ug/l
RT: 3.528 min Scan# 280
Delta R.T. 0.007 min
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Acq: 12 Sep 2022 13:51

Tgt Ion: 74 Resp: 3676
Ion Ratio Lower Upper
74 100
45 95.3 55.1 165.5

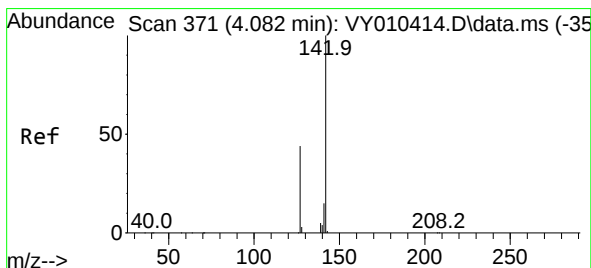
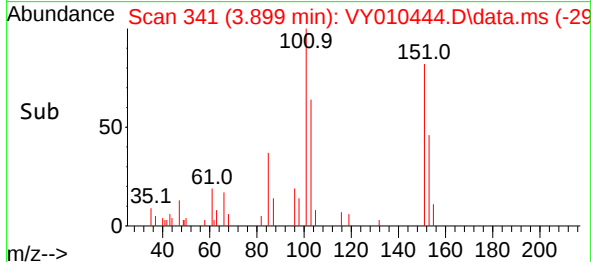
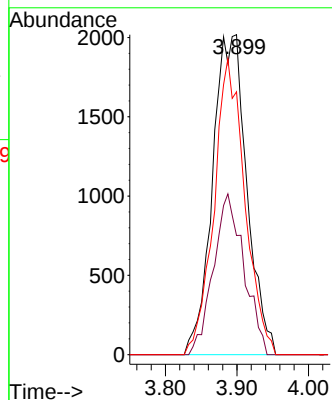
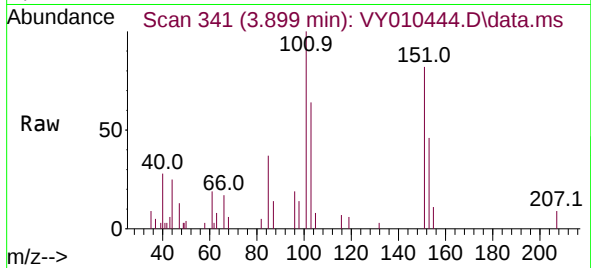




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.832 ug/l
RT: 3.899 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

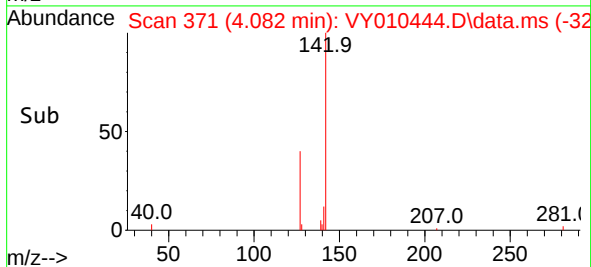
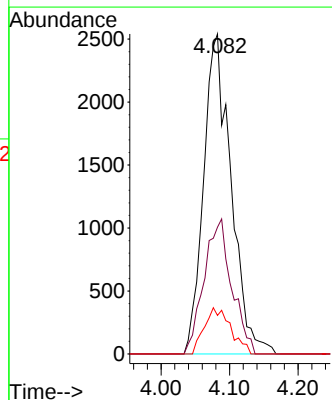
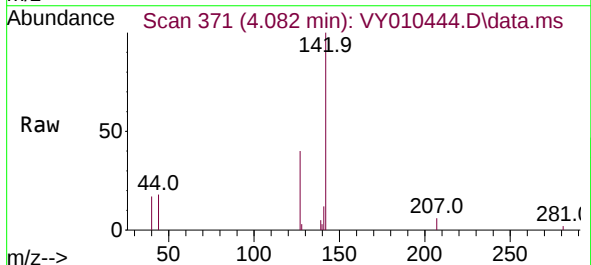
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

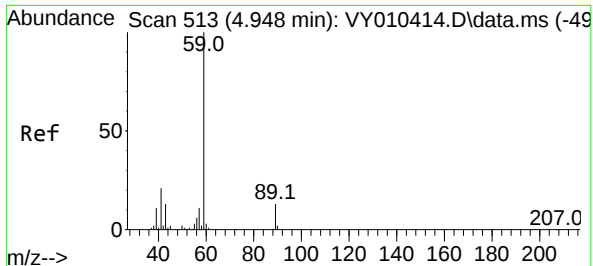
Tgt Ion:101 Resp: 6719
Ion Ratio Lower Upper
101 100
85 44.8 40.6 60.8
151 83.2 64.9 97.3



#10
Methyl Iodide
Concen: 2.408 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion:142 Resp: 7068
Ion Ratio Lower Upper
142 100
127 42.6 41.5 62.3
141 14.0 11.9 17.9

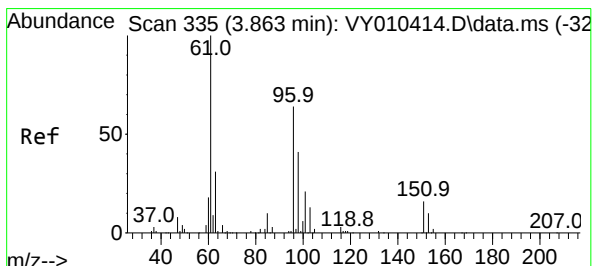
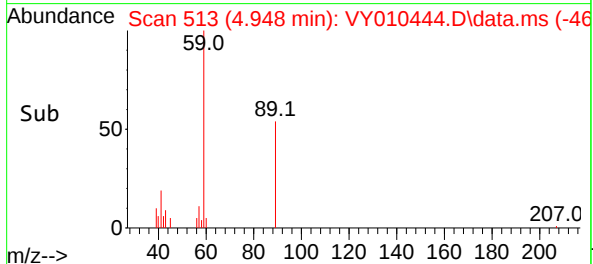
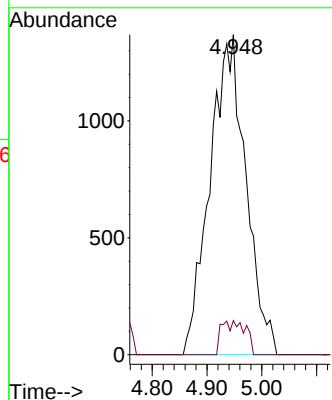
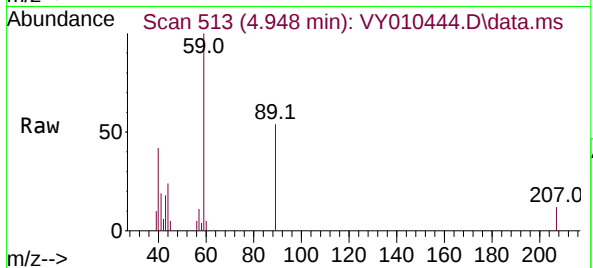




#11
Tert butyl alcohol
Concen: 19.857 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

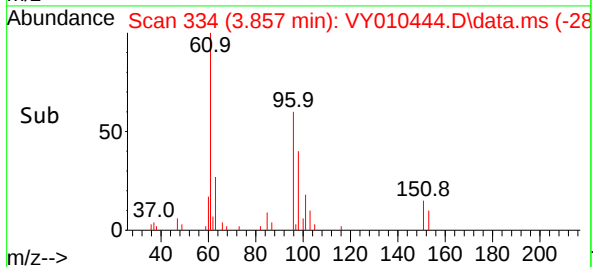
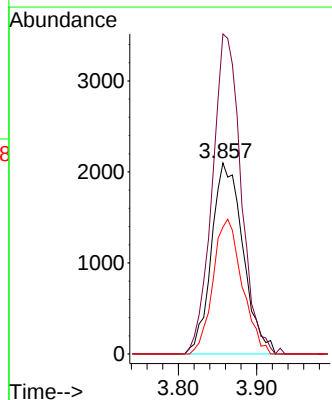
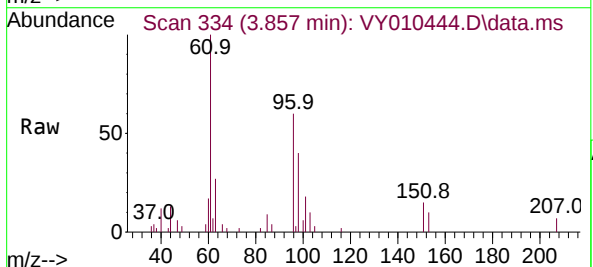
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

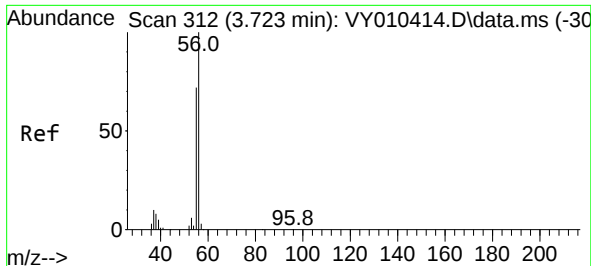
Tgt Ion: 59 Resp: 6234
Ion Ratio Lower Upper
59 100
57 3.0 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 2.638 ug/l
RT: 3.857 min Scan# 334
Delta R.T. -0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 96 Resp: 5872
Ion Ratio Lower Upper
96 100
61 167.5 145.8 218.6
98 66.5 52.5 78.7





#13

Acrolein

Concen: 11.992 ug/l

RT: 3.729 min Scan# 312

Delta R.T. 0.006 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

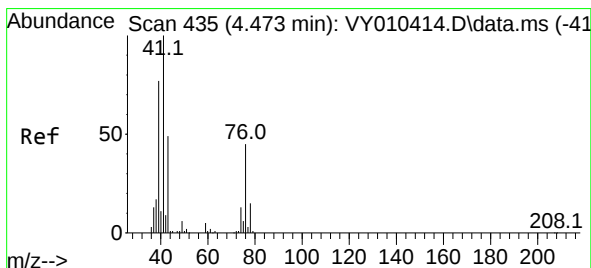
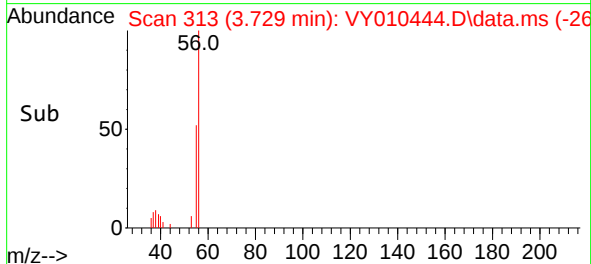
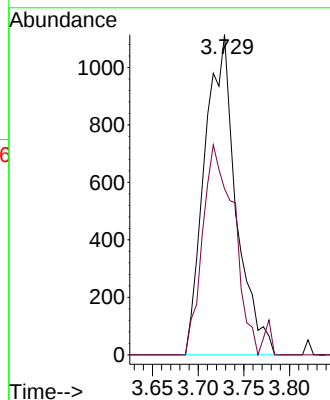
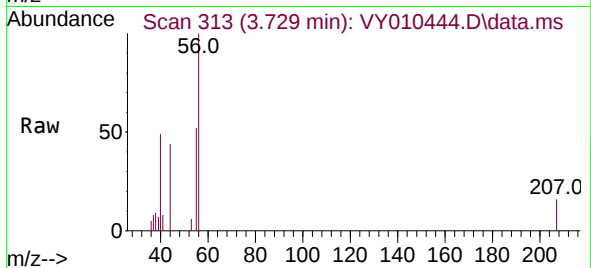
MDL-SOIL-03-QT3-2022

Tgt Ion: 56 Resp: 2659

Ion Ratio Lower Upper

56 100

55 65.5 57.6 86.4



#14

Allyl chloride

Concen: 2.751 ug/l

RT: 4.473 min Scan# 435

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

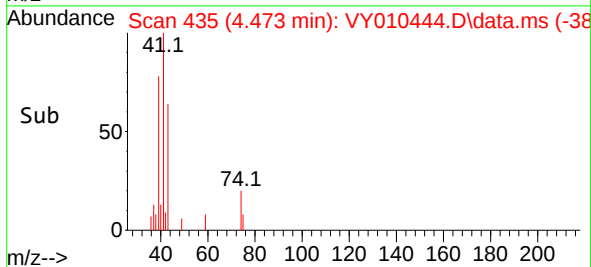
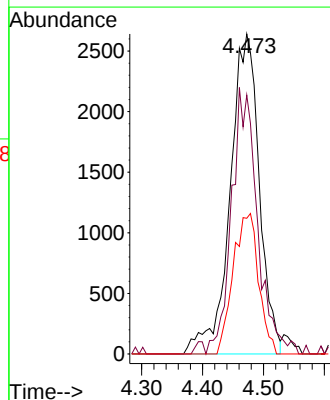
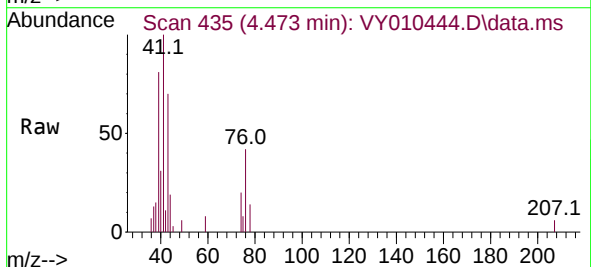
Tgt Ion: 41 Resp: 8815

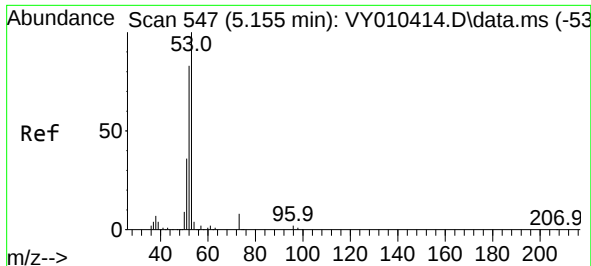
Ion Ratio Lower Upper

41 100

39 73.7 58.8 88.2

76 38.2 25.1 37.7#

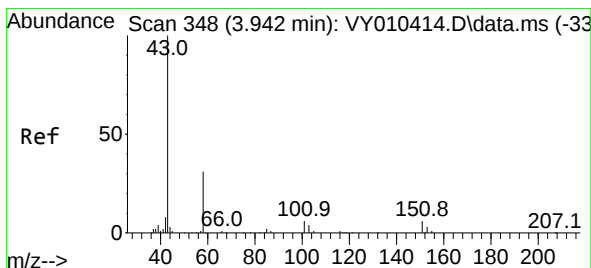
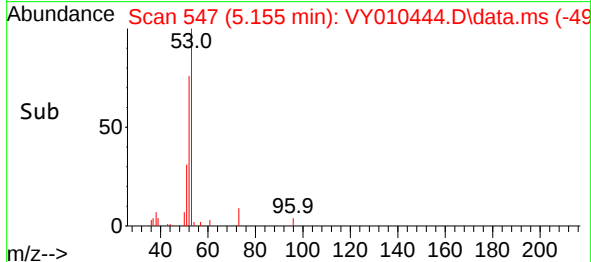
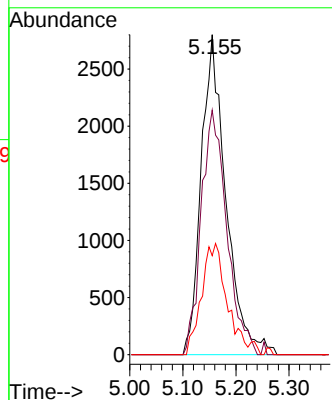
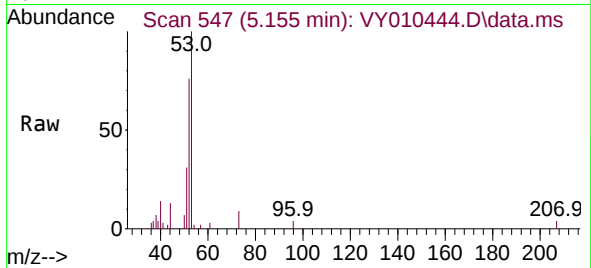




#15
Acrylonitrile
Concen: 14.273 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

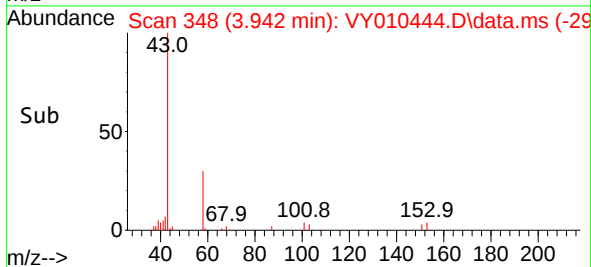
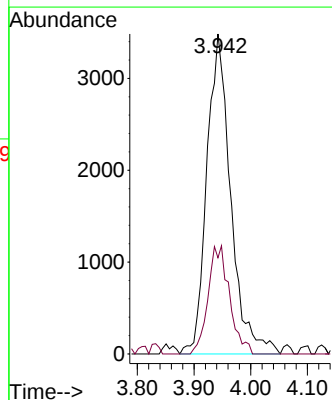
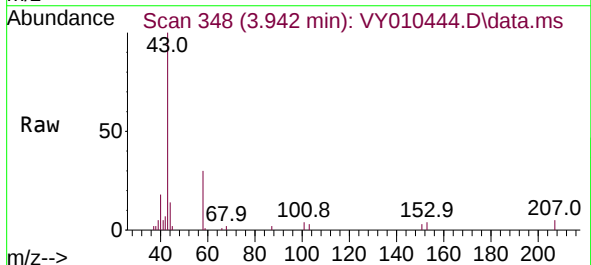
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

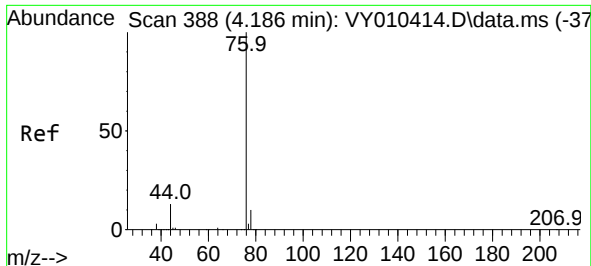
Tgt Ion: 53	Resp: 9067
Ion Ratio	Lower Upper
53 100	
52 78.9	67.0 100.4
51 35.4	29.8 44.6



#16
Acetone
Concen: 19.112 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 43	Resp: 10194
Ion Ratio	Lower Upper
43 100	
58 30.0	22.0 33.0

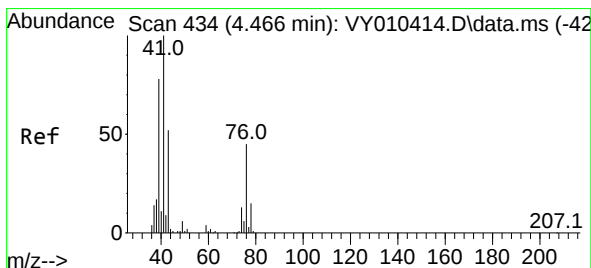
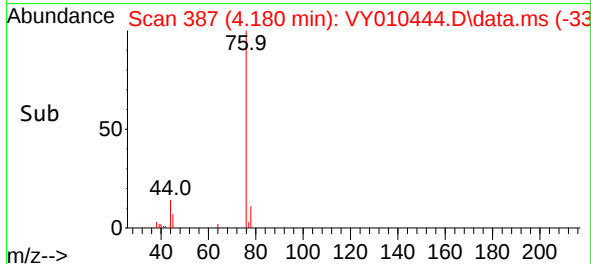
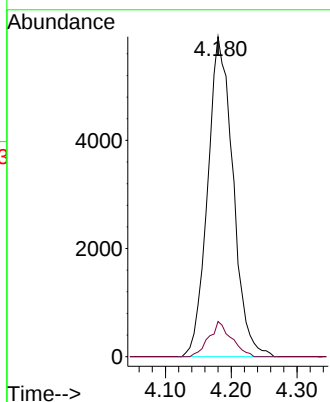
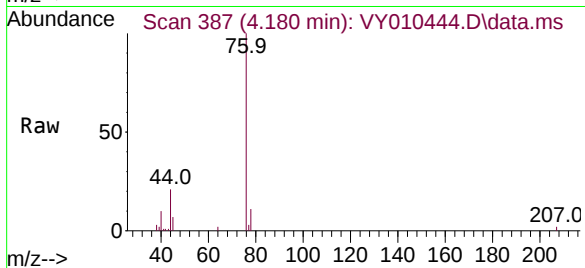




#17
Carbon Disulfide
Concen: 2.637 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

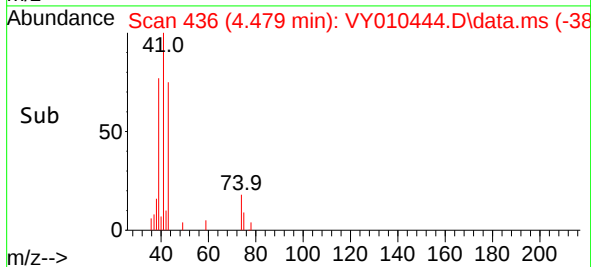
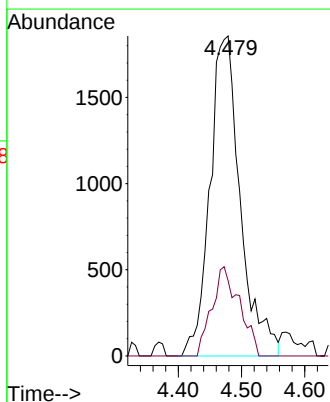
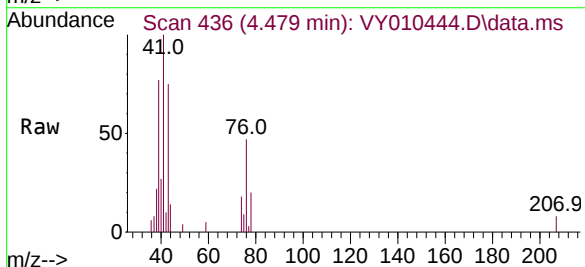
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

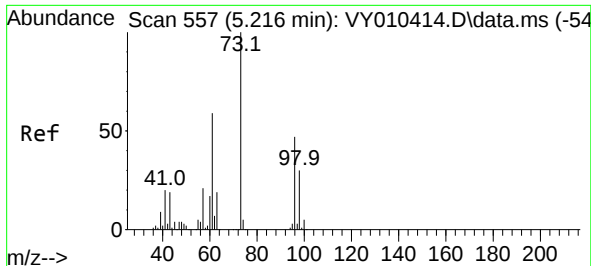
Tgt Ion: 76 Resp: 15870
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0



#18
Methyl Acetate
Concen: 3.774 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.013 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 43 Resp: 6193
Ion Ratio Lower Upper
43 100
74 25.2 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 2.787 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

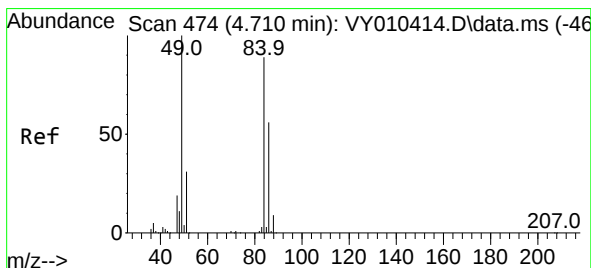
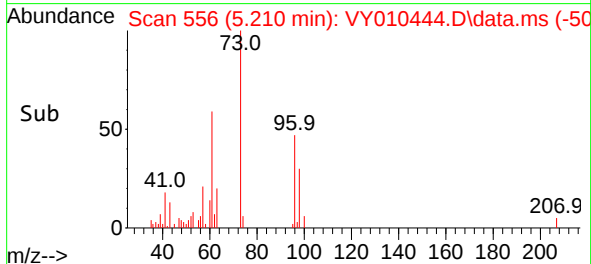
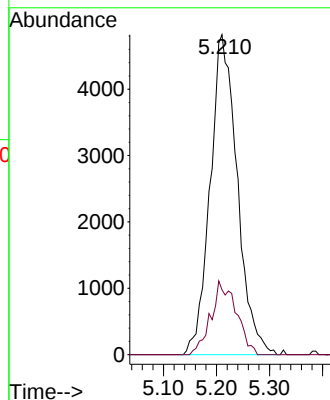
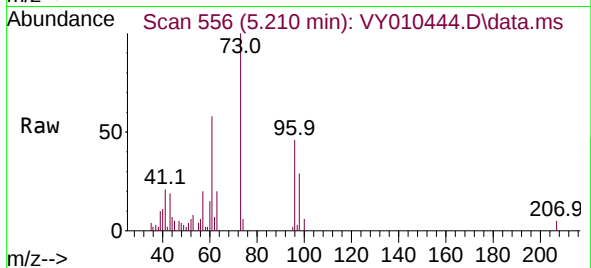
MDL-SOIL-03-QT3-2022

Tgt Ion: 73 Resp: 17126

Ion Ratio Lower Upper

73 100

57 20.3 18.6 27.8



#20

Methylene Chloride

Concen: 9.302 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.012 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Tgt Ion: 84 Resp: 30282

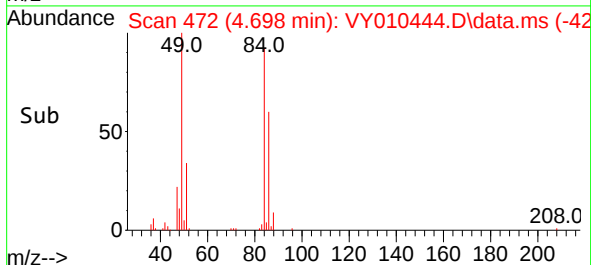
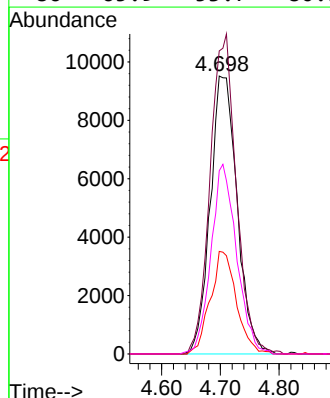
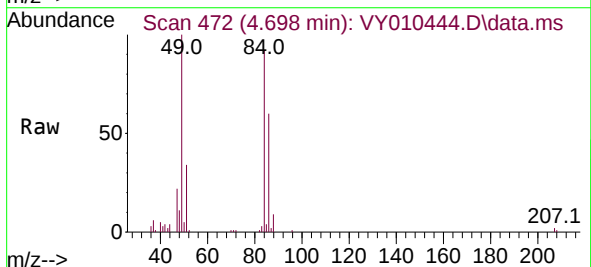
Ion Ratio Lower Upper

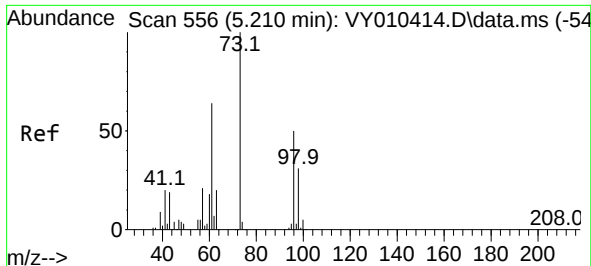
84 100

49 109.0 114.4 171.6#

51 36.9 35.3 52.9

86 65.9 53.7 80.5

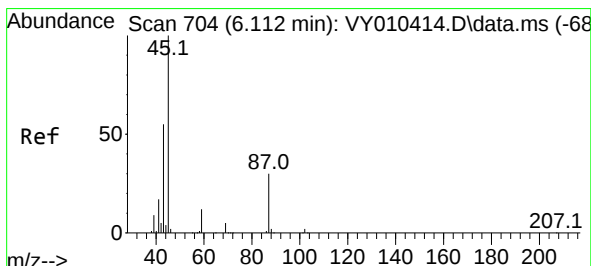
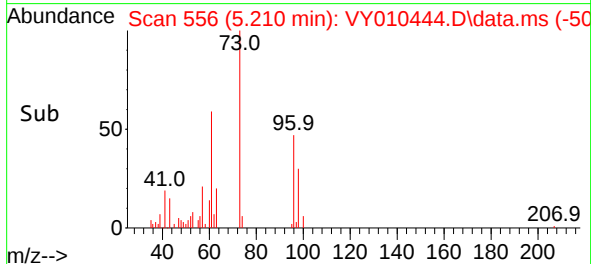
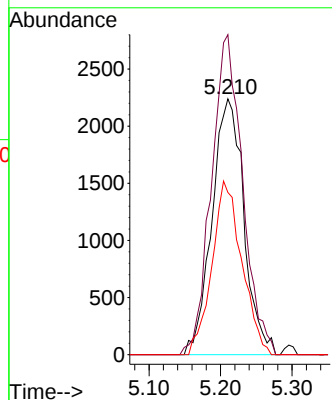
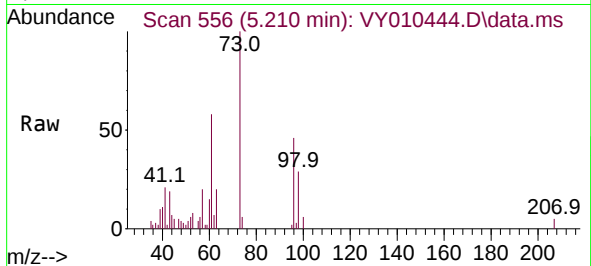




#21
trans-1,2-Dichloroethene
Concen: 2.746 ug/l
RT: 5.210 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

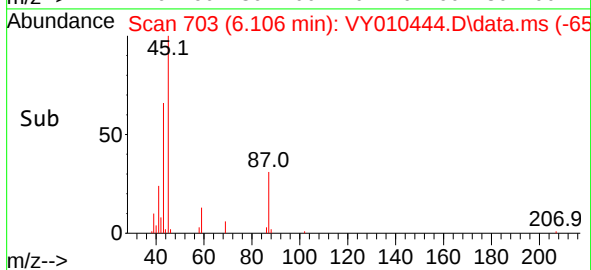
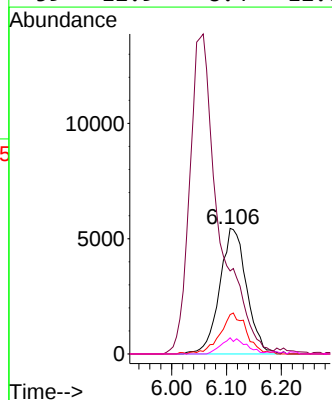
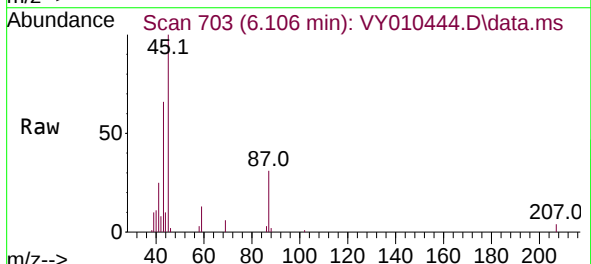
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

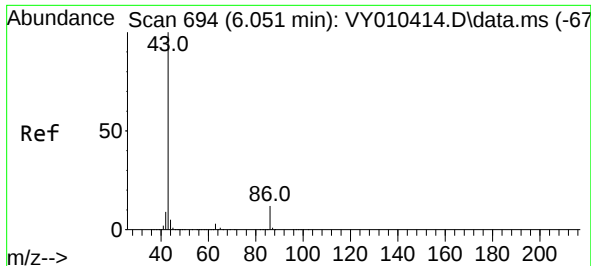
Tgt Ion: 96 Resp: 6938
Ion Ratio Lower Upper
96 100
61 125.1 120.5 180.7
98 63.4 49.8 74.8



#22
Diisopropyl ether
Concen: 2.592 ug/l
RT: 6.106 min Scan# 703
Delta R.T. -0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 45 Resp: 18542
Ion Ratio Lower Upper
45 100
43 63.0 49.3 73.9
87 31.4 19.2 28.8#
59 12.9 8.4 12.6#

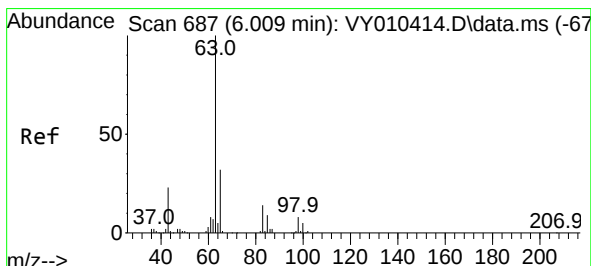
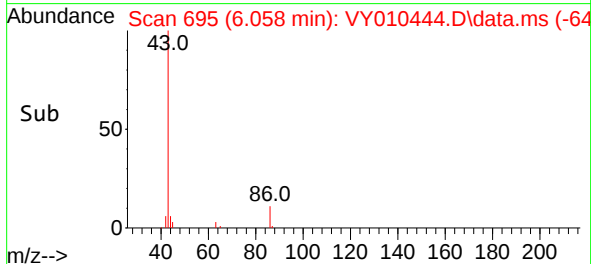
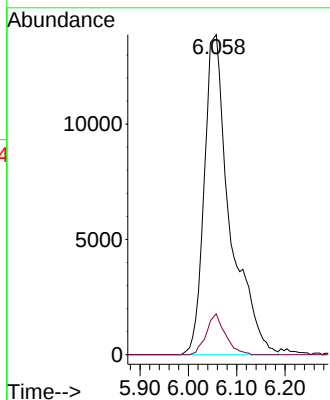
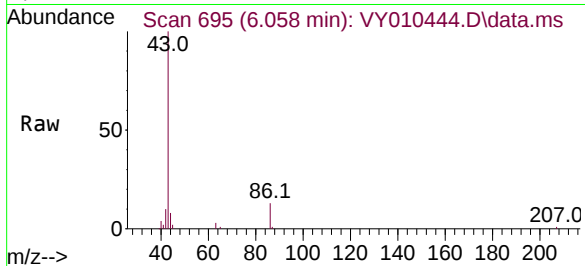




#23
 Vinyl Acetate
 Concen: 11.741 ug/l
 RT: 6.058 min Scan# 694
 Delta R.T. 0.007 min
 Lab File: VY010444.D
 Acq: 12 Sep 2022 13:51

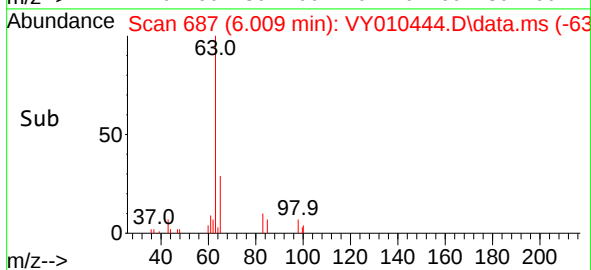
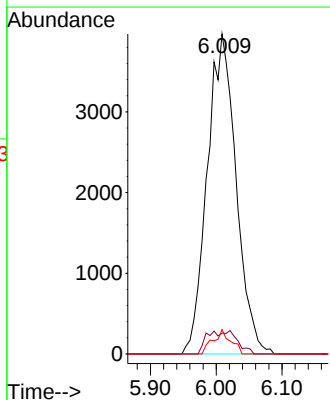
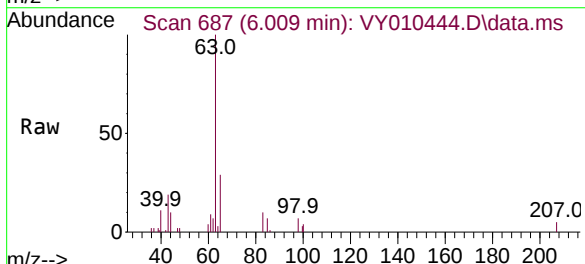
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

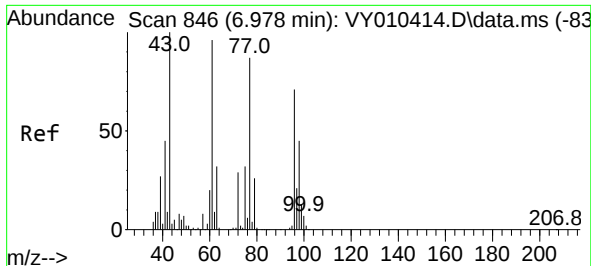
Tgt Ion: 43 Resp: 51478
 Ion Ratio Lower Upper
 43 100
 86 12.7 7.1 10.7#



#24
 1,1-Dichloroethane
 Concen: 2.803 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY010444.D
 Acq: 12 Sep 2022 13:51

Tgt Ion: 63 Resp: 12139
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.6 10.8
 100 7.6 2.0 5.8#





#25

2-Butanone

Concen: 16.389 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

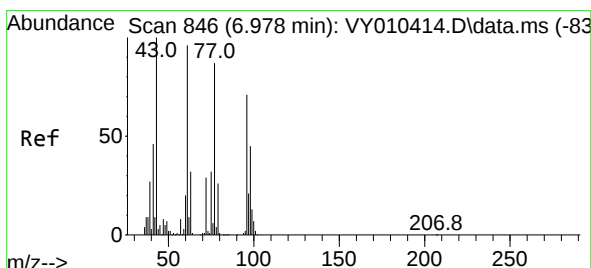
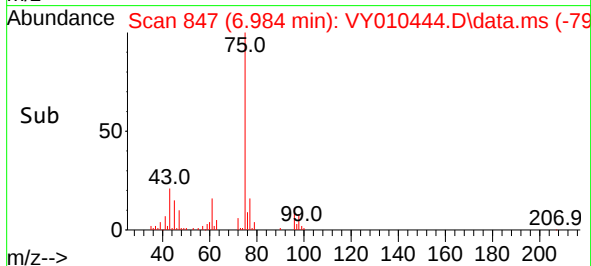
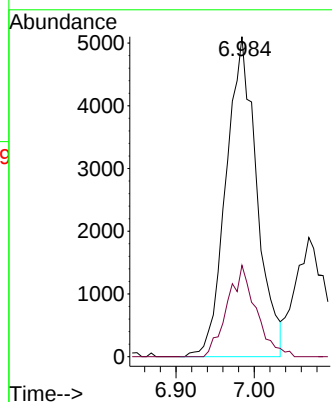
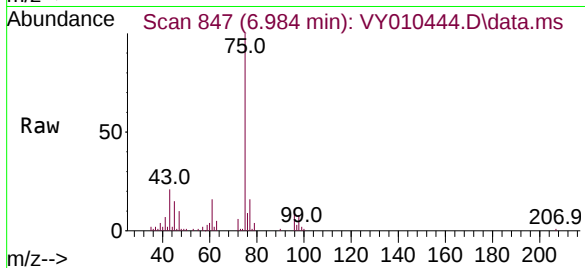
MDL-SOIL-03-QT3-2022

Tgt Ion: 43 Resp: 13893

Ion Ratio Lower Upper

43 100

72 28.6 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 3.325 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010444.D

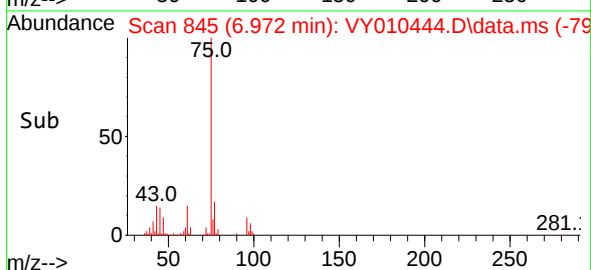
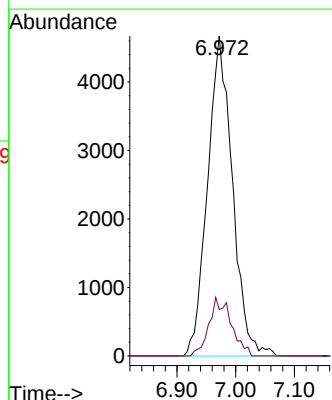
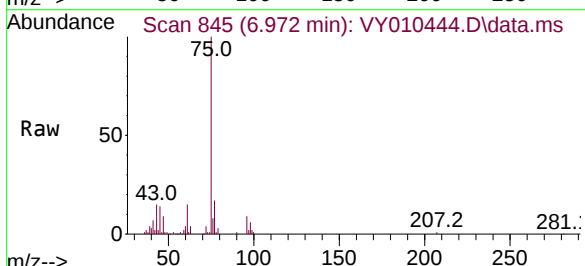
Acq: 12 Sep 2022 13:51

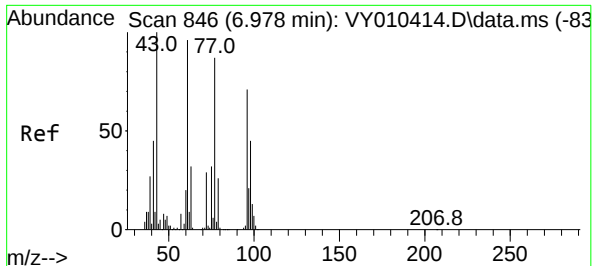
Tgt Ion: 77 Resp: 13745

Ion Ratio Lower Upper

77 100

97 16.3 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 2.706 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

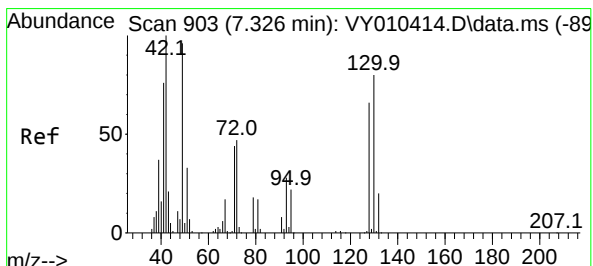
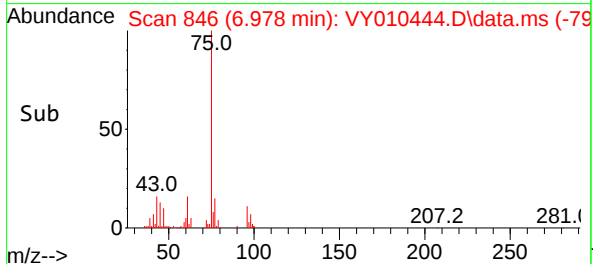
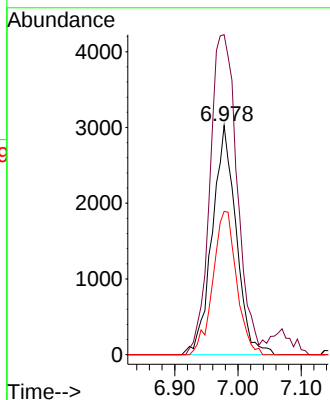
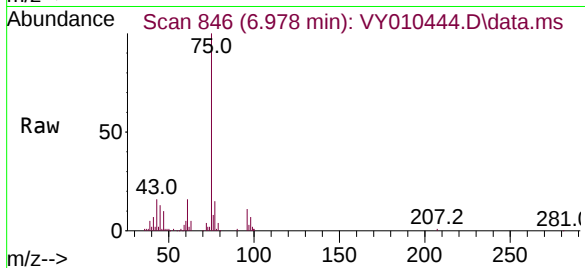
Tgt Ion: 96 Resp: 7948

Ion Ratio Lower Upper

96 100

61 159.8 0.0 319.8

98 61.7 0.0 127.0



#28

Bromochloromethane

Concen: 3.138 ug/l

RT: 7.326 min Scan# 903

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

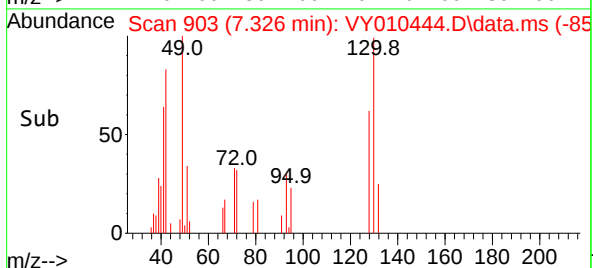
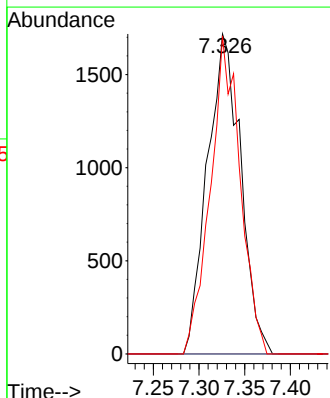
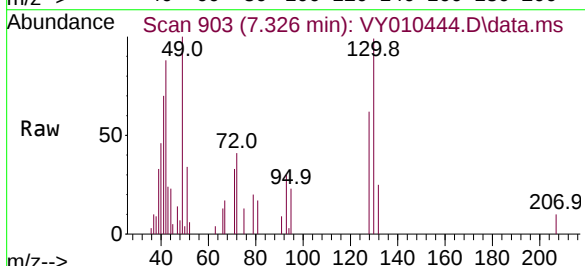
Tgt Ion: 49 Resp: 4358

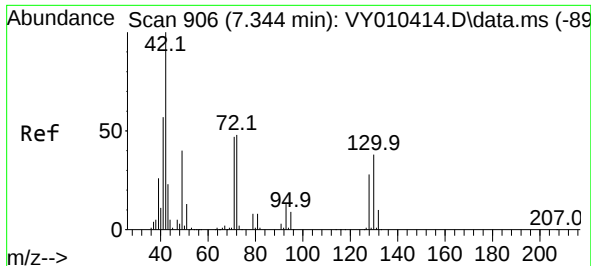
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 88.9 55.4 83.0#





#29

Tetrahydrofuran

Concen: 14.231 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

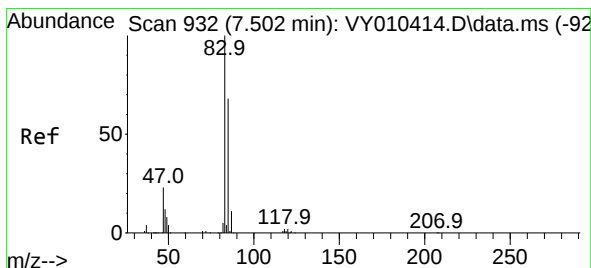
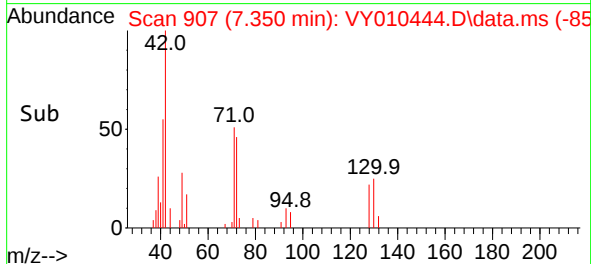
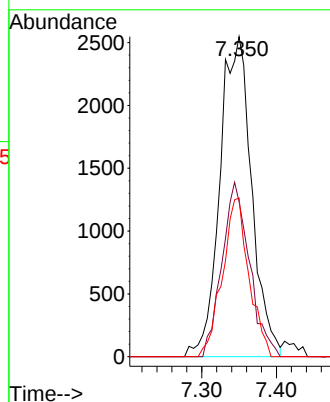
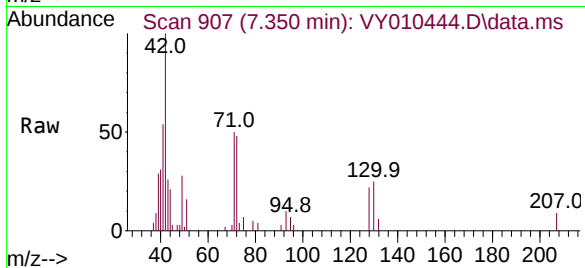
Tgt Ion: 42 Resp: 7529

Ion Ratio Lower Upper

42 100

72 47.2 30.3 45.5#

71 41.4 29.0 43.4



#30

Chloroform

Concen: 2.800 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.000 min

Lab File: VY010444.D

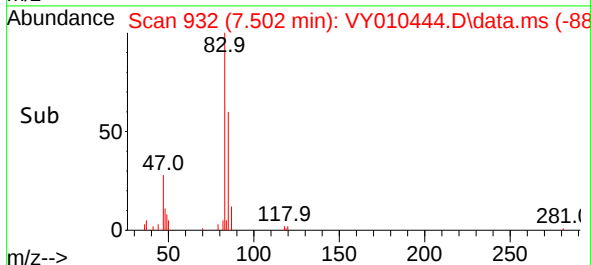
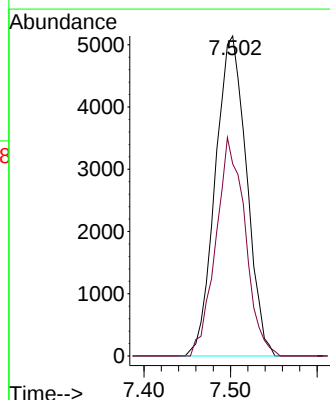
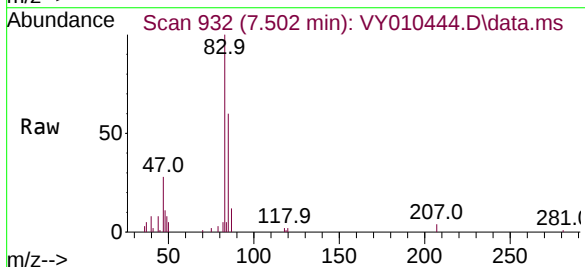
Acq: 12 Sep 2022 13:51

Tgt Ion: 83 Resp: 12863

Ion Ratio Lower Upper

83 100

85 60.0 51.8 77.6

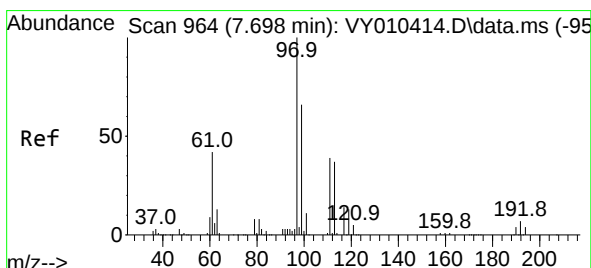
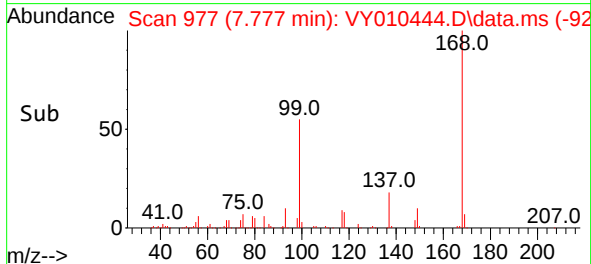
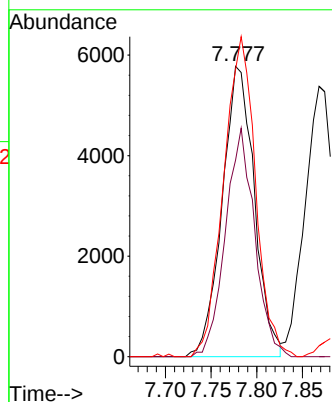
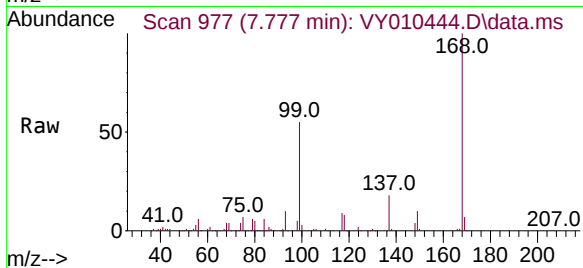




#31
Cyclohexane
Concen: 3.600 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

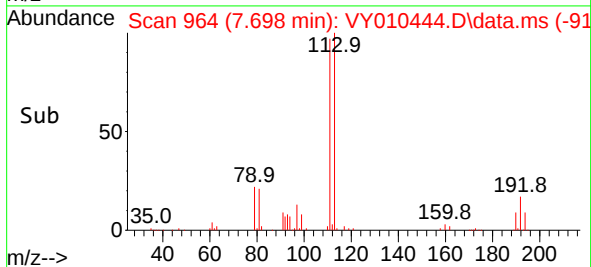
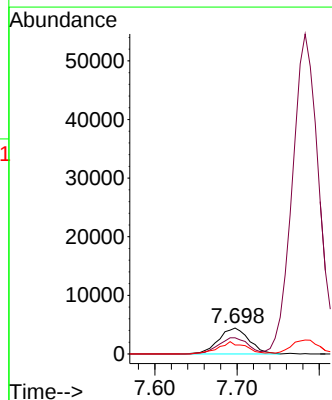
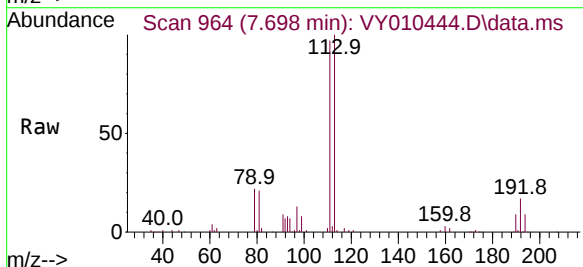
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

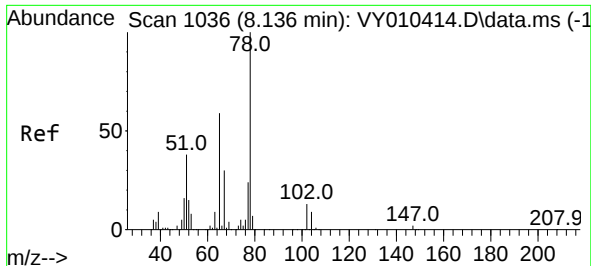
Tgt Ion: 56 Resp: 14137
Ion Ratio Lower Upper
56 100
69 67.7 26.7 40.1#
84 98.8 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 2.735 ug/l
RT: 7.698 min Scan# 964
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 97 Resp: 11380
Ion Ratio Lower Upper
97 100
99 60.5 50.7 76.1
61 43.1 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 55.564 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

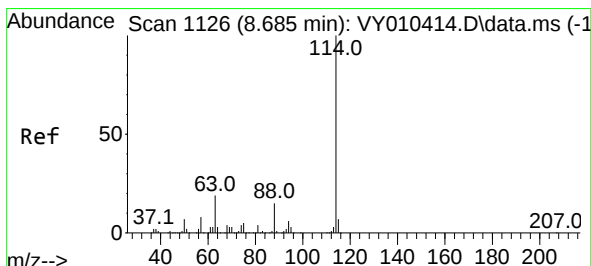
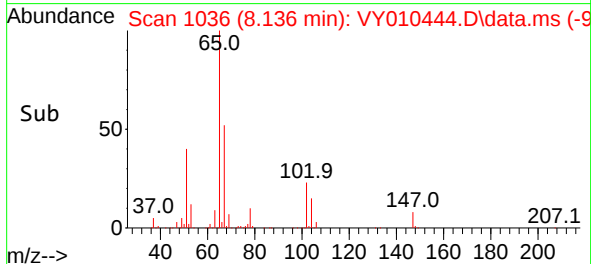
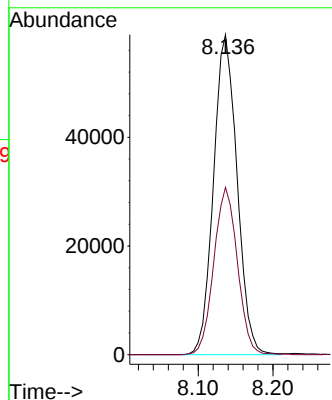
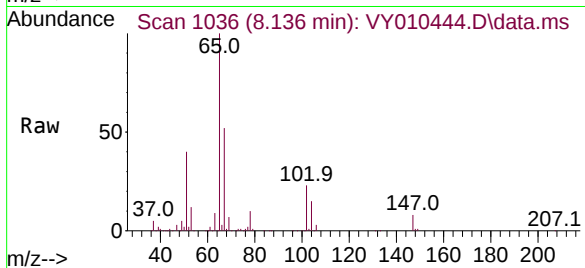
MDL-SOIL-03-QT3-2022

Tgt Ion: 65 Resp: 129146

Ion Ratio Lower Upper

65 100

67 52.4 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: VY010444.D

Acq: 12 Sep 2022 13:51

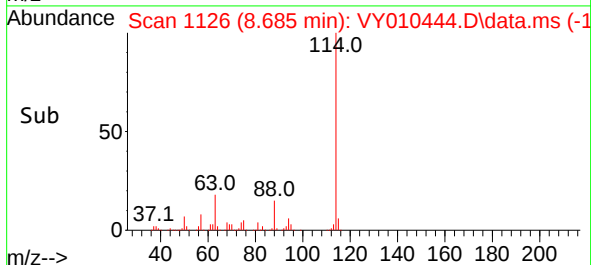
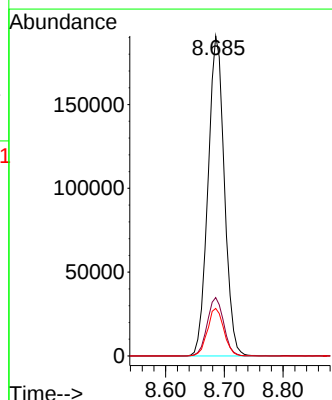
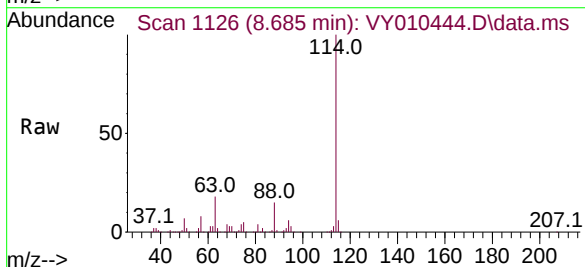
Tgt Ion: 114 Resp: 369165

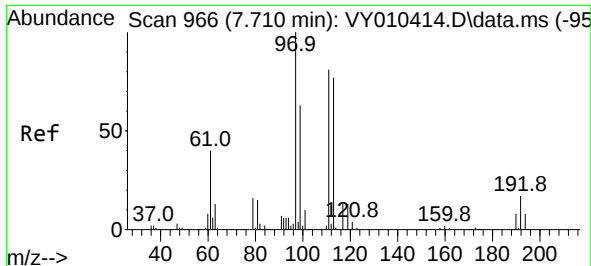
Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.042 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

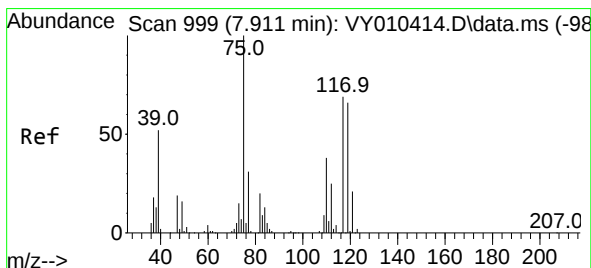
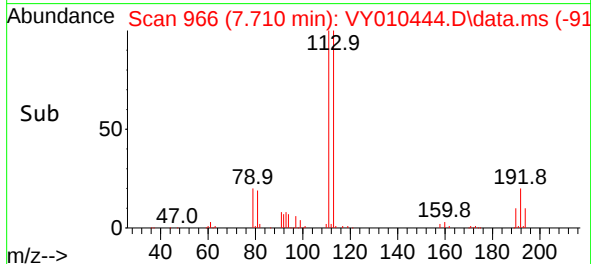
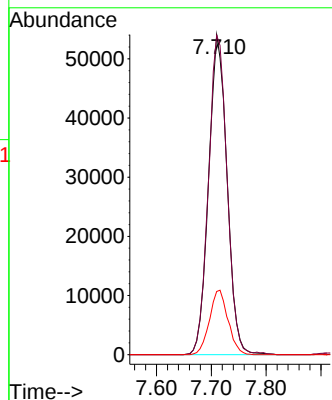
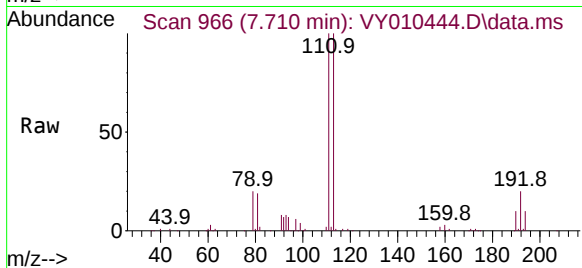
Tgt Ion:113 Resp: 125959

Ion Ratio Lower Upper

113 100

111 101.0 82.6 124.0

192 20.3 17.6 26.4



#36

1,1-Dichloropropene

Concen: 2.851 ug/l

RT: 7.917 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

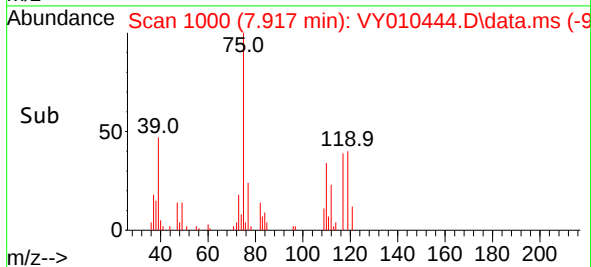
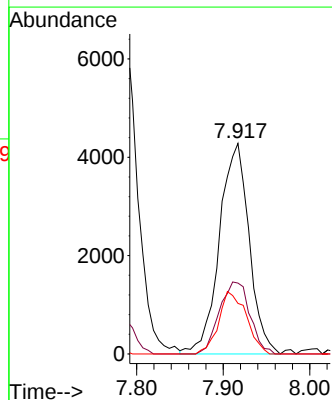
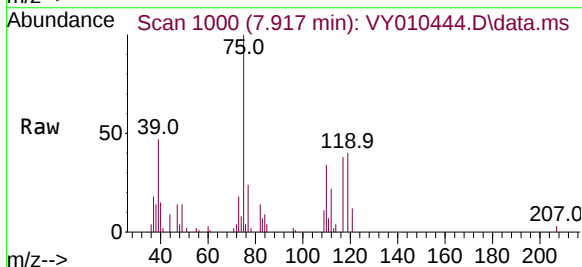
Tgt Ion: 75 Resp: 10233

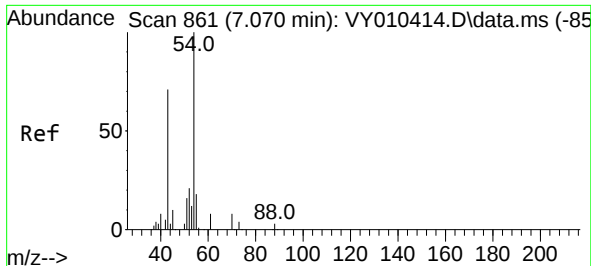
Ion Ratio Lower Upper

75 100

110 35.0 17.1 51.2

77 27.6 24.4 36.6





#37

Ethyl Acetate

Concen: 2.958 ug/l

RT: 7.070 min Scan# 861

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

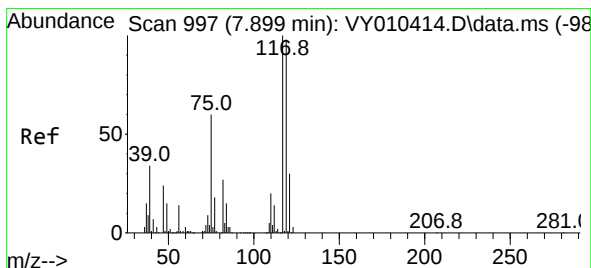
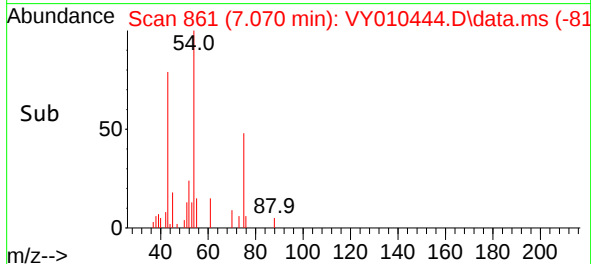
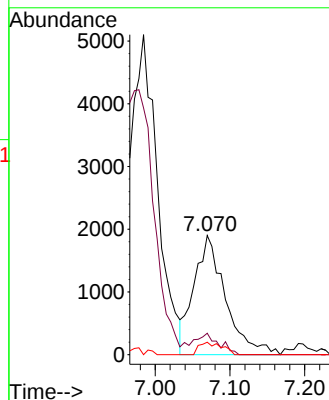
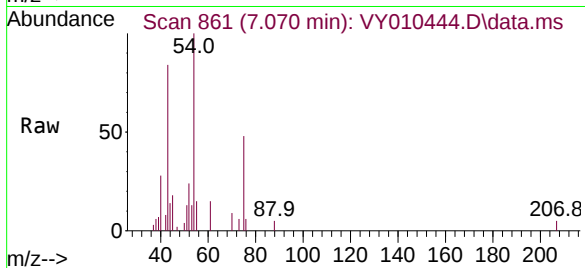
Tgt Ion: 43 Resp: 5582

Ion Ratio Lower Upper

43 100

61 12.9 9.7 14.5

70 7.5 7.1 10.7



#38

Carbon Tetrachloride

Concen: 2.559 ug/l

RT: 7.893 min Scan# 996

Delta R.T. -0.006 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

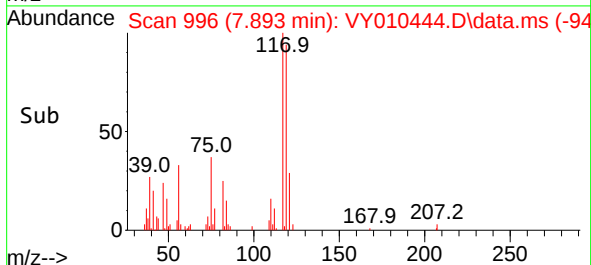
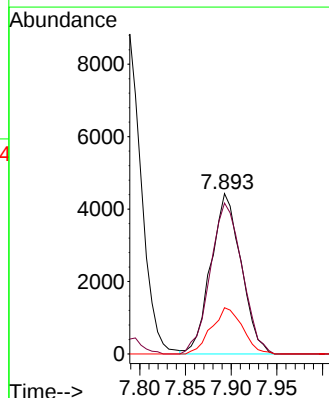
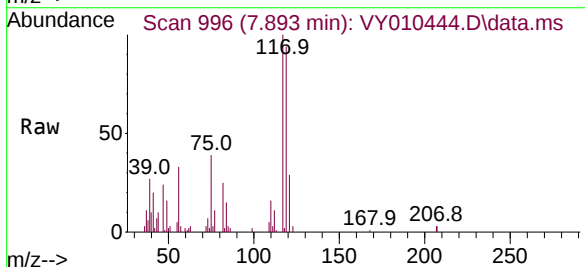
Tgt Ion: 117 Resp: 10220

Ion Ratio Lower Upper

117 100

119 94.2 77.9 116.9

121 28.9 24.8 37.2





#39

Methylcyclohexane

Concen: 2.538 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

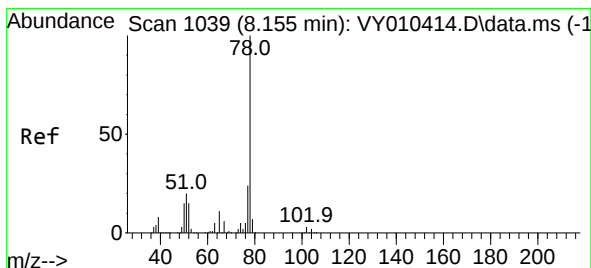
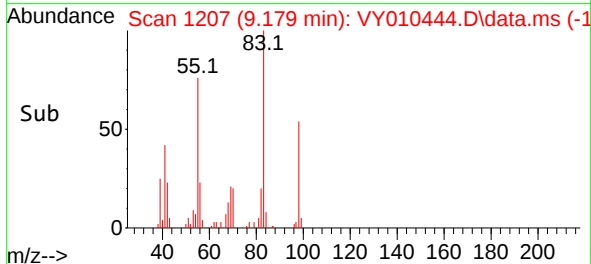
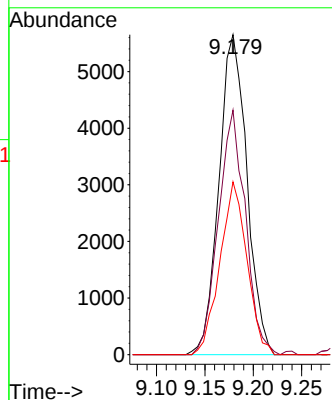
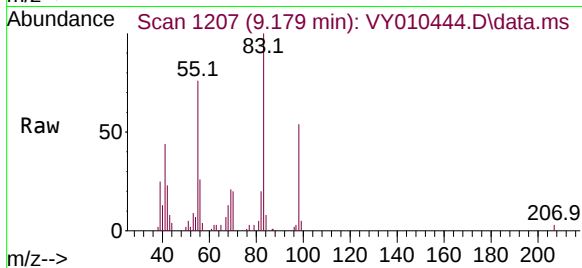
Tgt Ion: 83 Resp: 11357

Ion Ratio Lower Upper

83 100

55 76.4 66.5 99.7

98 54.0 37.9 56.9



#40

Benzene

Concen: 2.766 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY010444.D

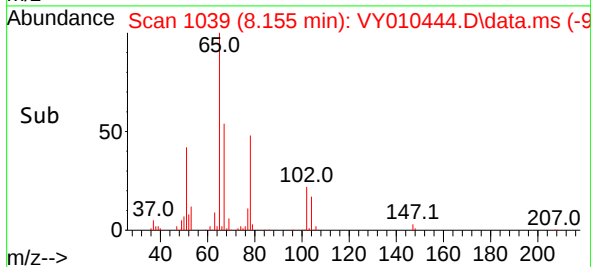
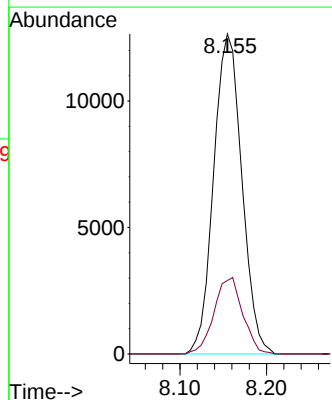
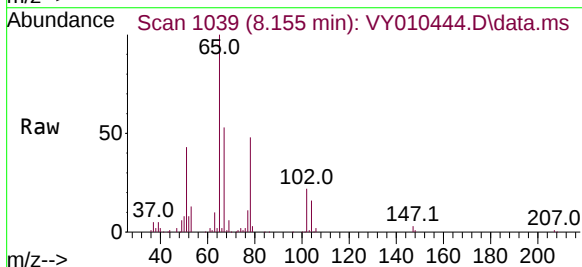
Acq: 12 Sep 2022 13:51

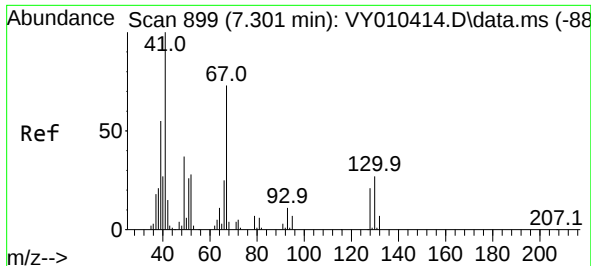
Tgt Ion: 78 Resp: 28584

Ion Ratio Lower Upper

78 100

77 22.9 20.4 30.6

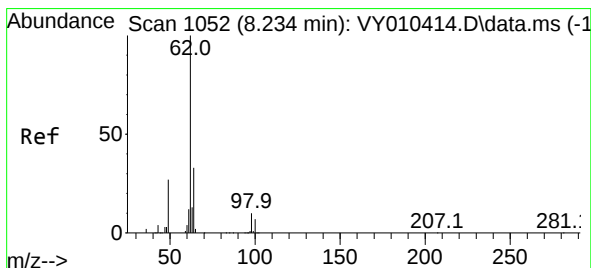
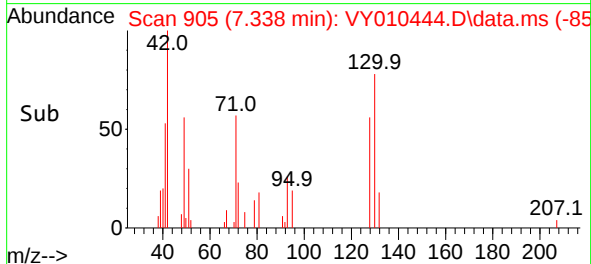
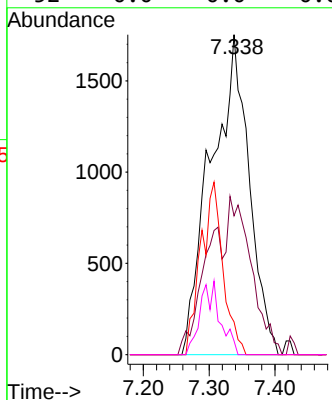
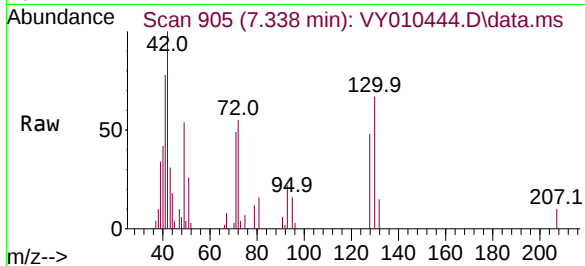




#41
Methacrylonitrile
Concen: 6.503 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.037 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

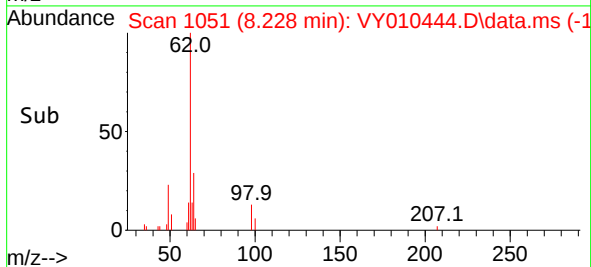
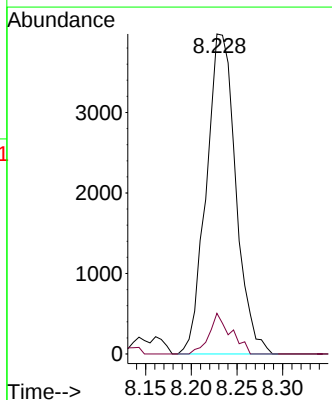
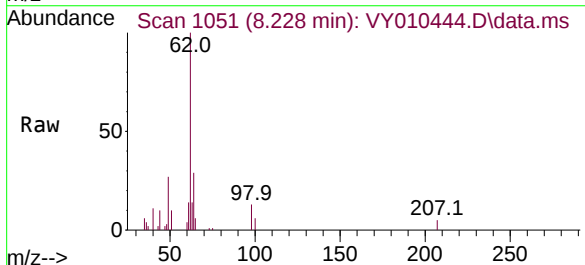
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

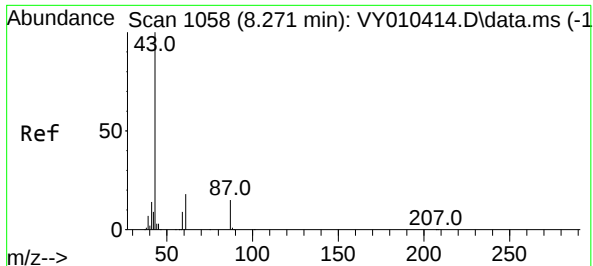
Tgt Ion: 41 Resp: 7015
Ion Ratio Lower Upper
41 100
39 32.6 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 2.903 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 62 Resp: 8921
Ion Ratio Lower Upper
62 100
98 9.4 0.0 14.8





#43

Isopropyl Acetate

Concen: 2.597 ug/l

RT: 8.271 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

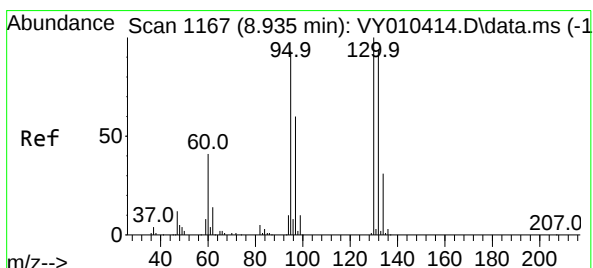
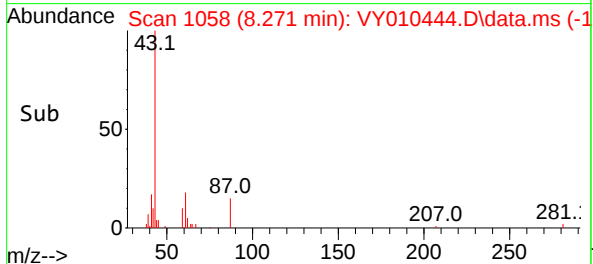
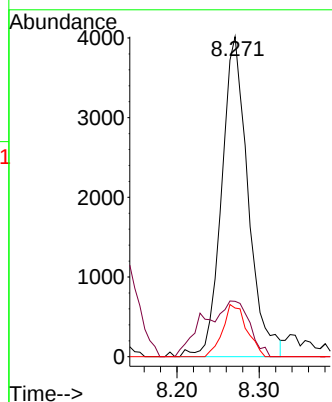
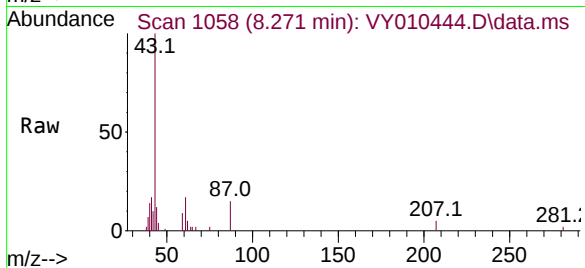
Tgt Ion: 43 Resp: 8966

Ion Ratio Lower Upper

43 100

61 18.7 20.2 30.2#

87 14.8 8.9 13.3#



#44

Trichloroethene

Concen: 2.700 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VY010444.D

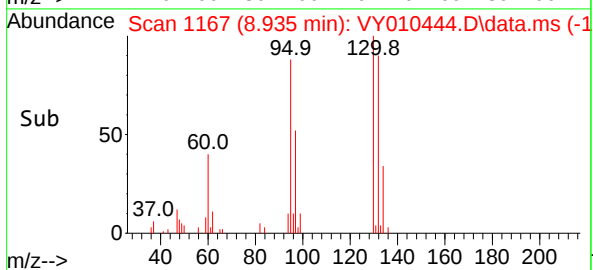
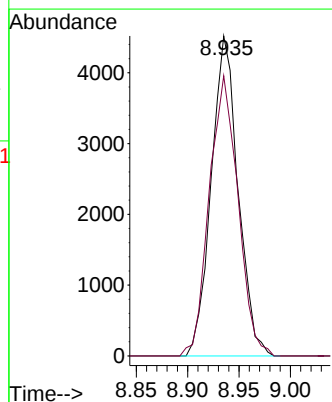
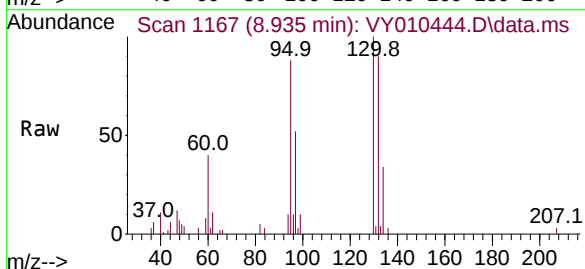
Acq: 12 Sep 2022 13:51

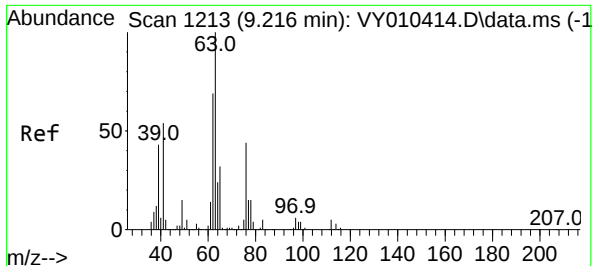
Tgt Ion:130 Resp: 8211

Ion Ratio Lower Upper

130 100

95 87.5 0.0 188.2





#45

1,2-Dichloropropane

Concen: 2.689 ug/l

RT: 9.209 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

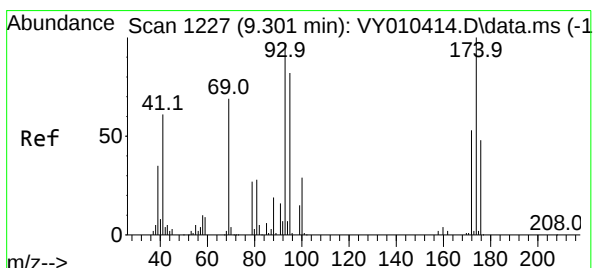
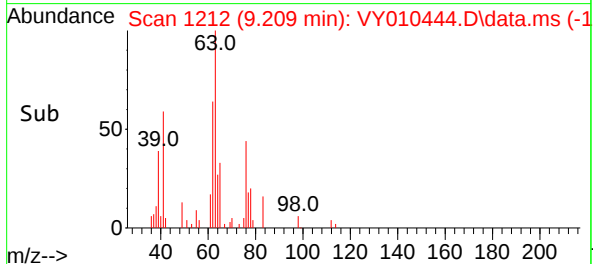
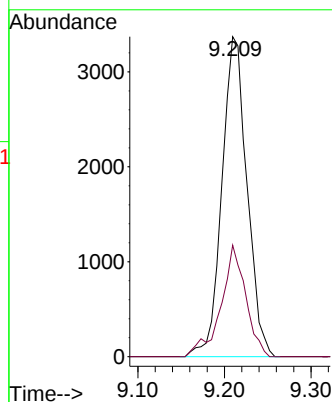
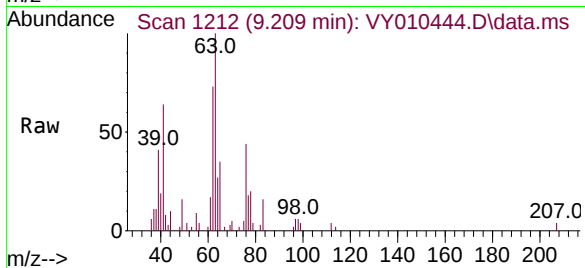
MDL-SOIL-03-QT3-2022

Tgt Ion: 63 Resp: 6776

Ion Ratio Lower Upper

63 100

65 34.9 23.0 34.6#



#46

Dibromomethane

Concen: 2.610 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

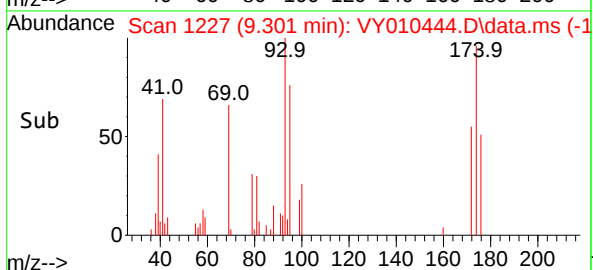
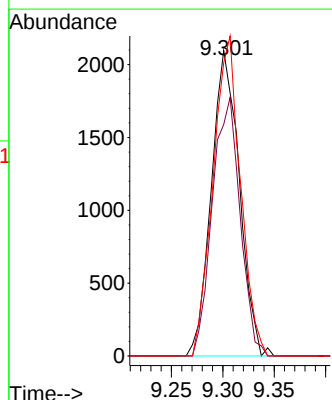
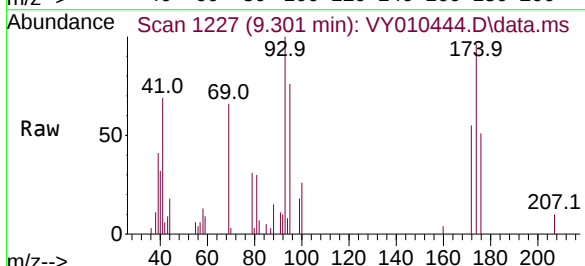
Tgt Ion: 93 Resp: 3967

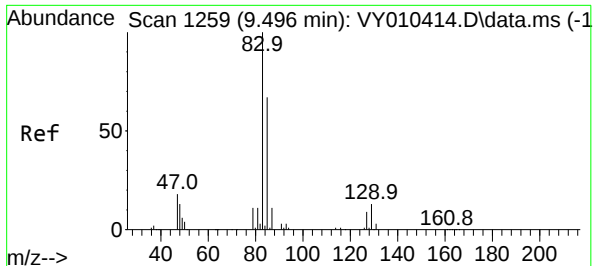
Ion Ratio Lower Upper

93 100

95 83.7 64.3 96.5

174 102.2 83.4 125.0





#47

Bromodichloromethane

Concen: 2.621 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

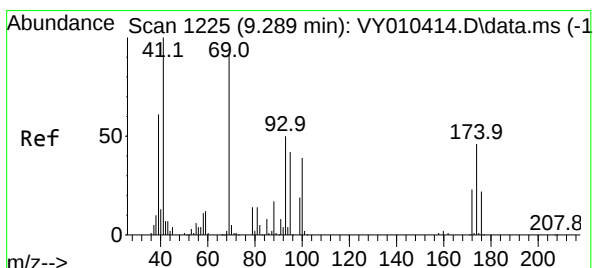
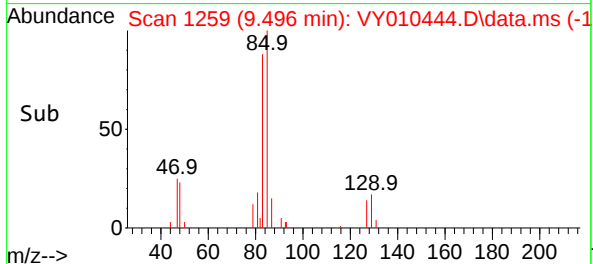
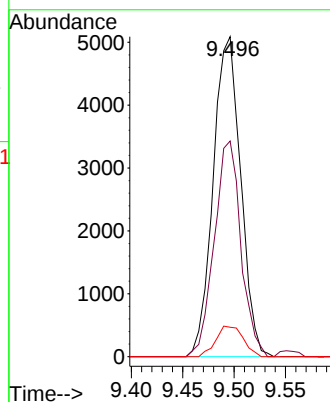
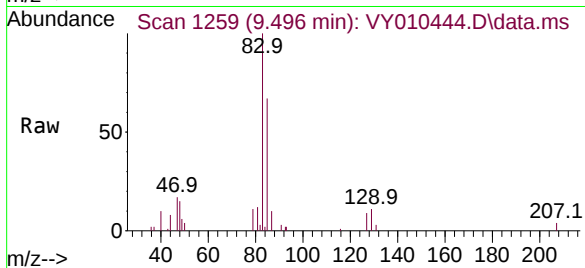
Tgt Ion: 83 Resp: 9460

Ion Ratio Lower Upper

83 100

85 67.4 51.9 77.9

127 9.2 6.6 10.0



#48

Methyl methacrylate

Concen: 2.466 ug/l

RT: 9.289 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

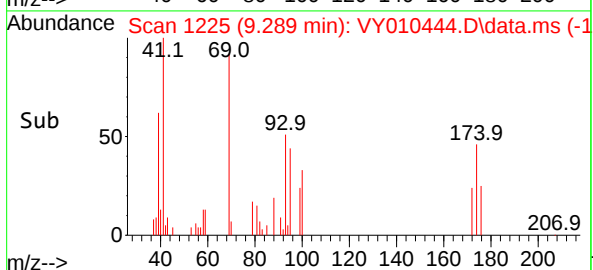
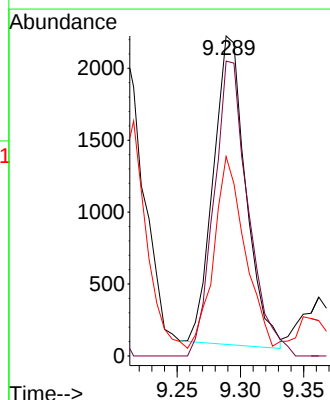
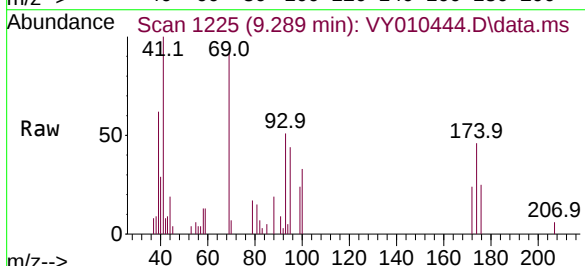
Tgt Ion: 41 Resp: 3824

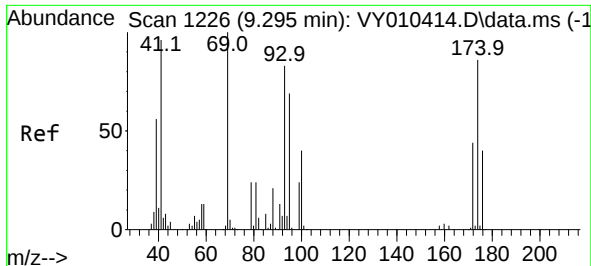
Ion Ratio Lower Upper

41 100

69 100.4 58.2 87.2#

39 60.7 47.4 71.0





#49

1,4-Dioxane

Concen: 48.120 ug/l

RT: 9.289 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

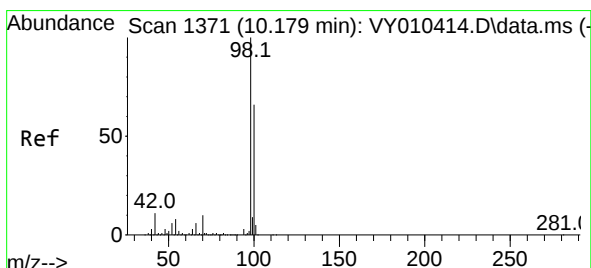
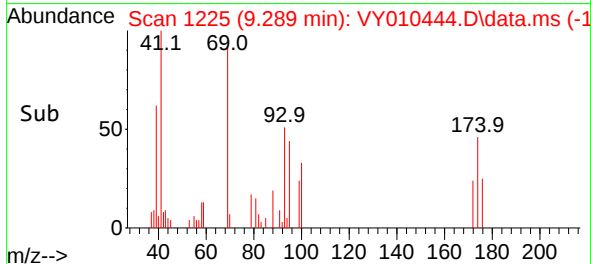
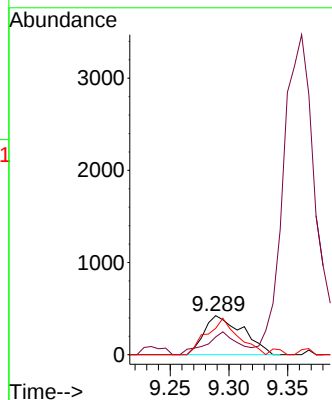
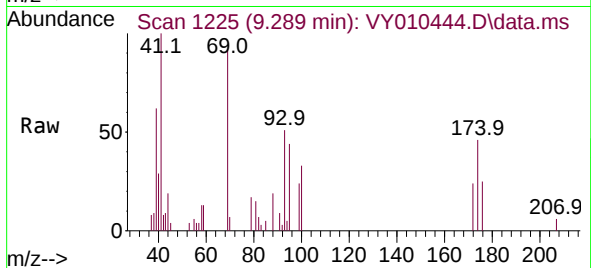
Tgt Ion: 88 Resp: 968

Ion Ratio Lower Upper

88 100

43 47.6 32.8 49.2

58 75.7 59.8 89.6



#50

Toluene-d8

Concen: 54.462 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010444.D

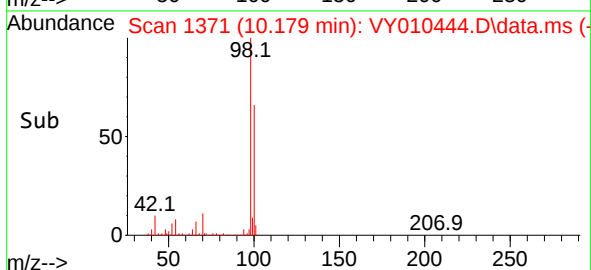
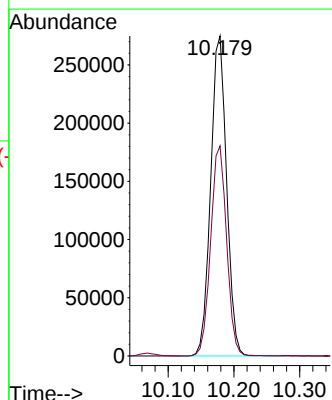
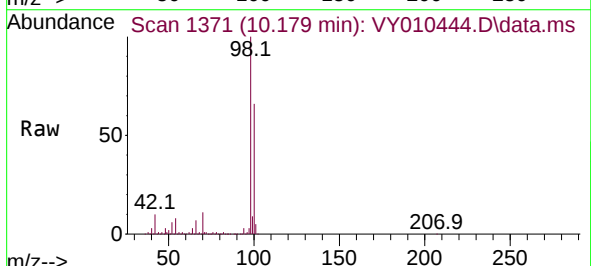
Acq: 12 Sep 2022 13:51

Tgt Ion: 98 Resp: 462771

Ion Ratio Lower Upper

98 100

100 65.9 50.2 75.2

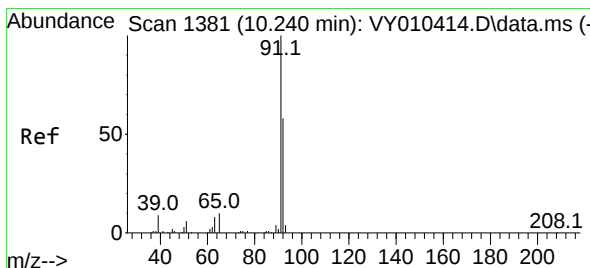
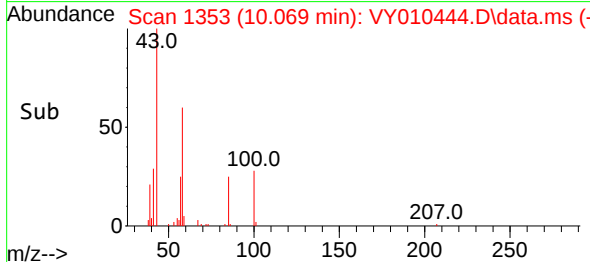
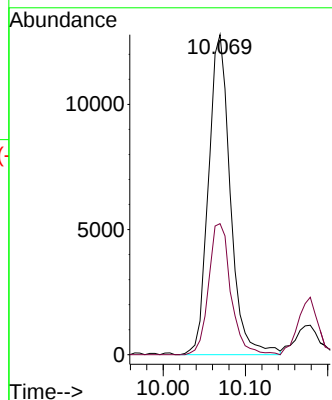
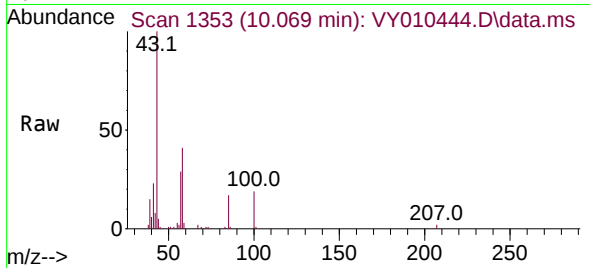




#51
4-Methyl-2-Pentanone
Concen: 12.447 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

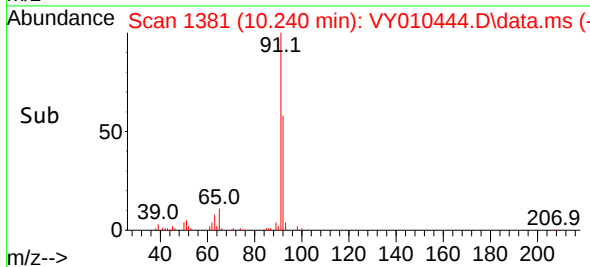
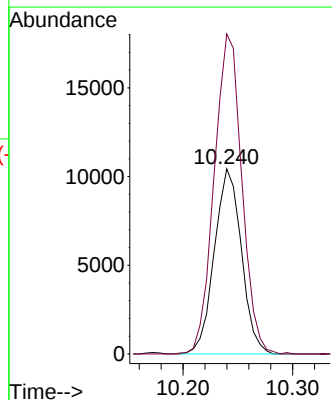
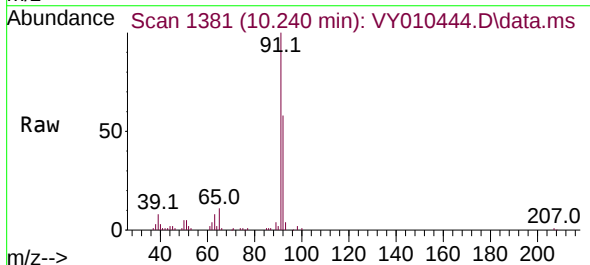
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

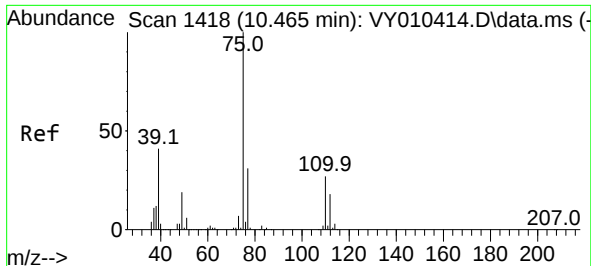
Tgt Ion: 43 Resp: 23575
Ion Ratio Lower Upper
43 100
58 41.6 28.1 42.1



#52
Toluene
Concen: 2.647 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 92 Resp: 17900
Ion Ratio Lower Upper
92 100
91 176.8 142.6 213.8

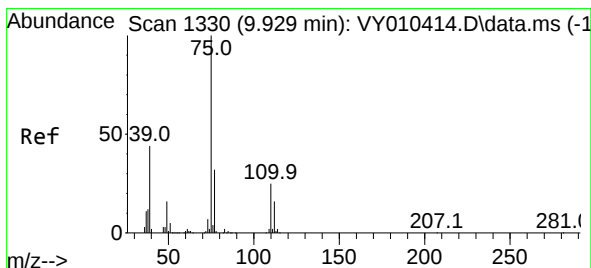
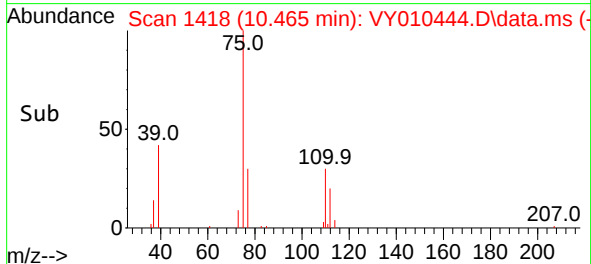
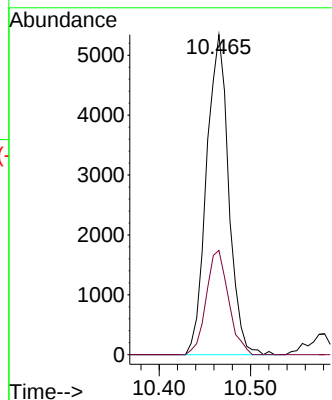
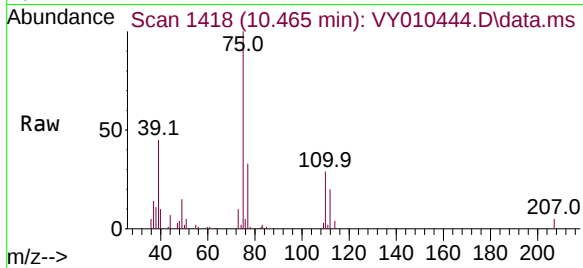




#53
 t-1,3-Dichloropropene
 Concen: 2.426 ug/l
 RT: 10.465 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VY010444.D
 Acq: 12 Sep 2022 13:51

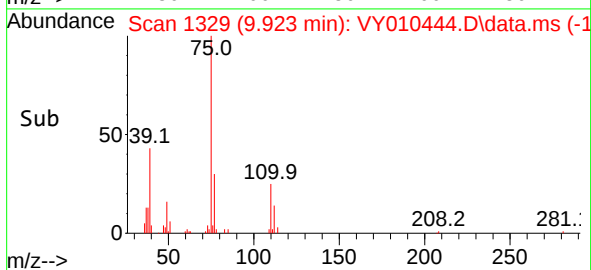
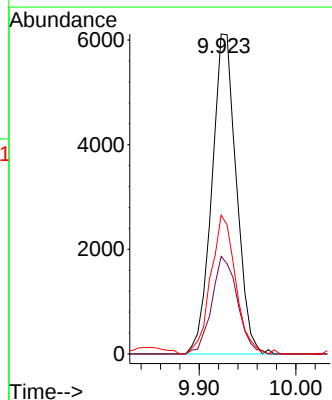
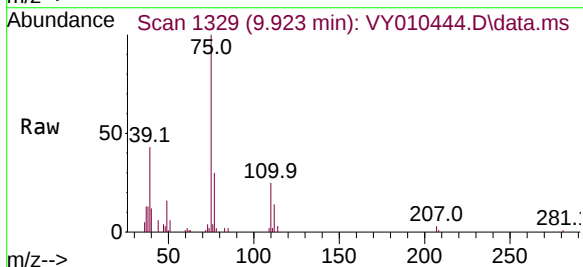
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

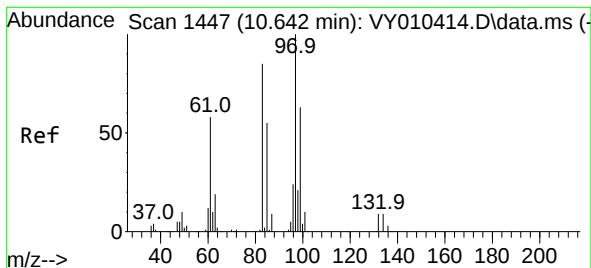
Tgt Ion: 75 Resp: 9010
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 2.565 ug/l
 RT: 9.923 min Scan# 1329
 Delta R.T. -0.006 min
 Lab File: VY010444.D
 Acq: 12 Sep 2022 13:51

Tgt Ion: 75 Resp: 10746
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.6 38.4
 39 43.4 47.6 71.4#





#55

1,1,2-Trichloroethane

Concen: 2.633 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion: 97 Resp: 5692

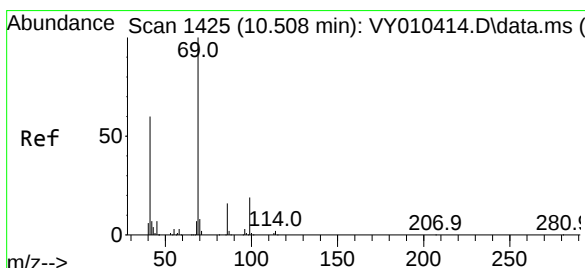
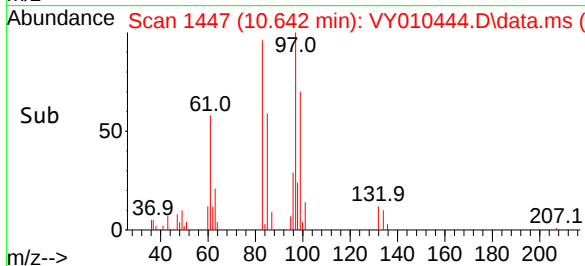
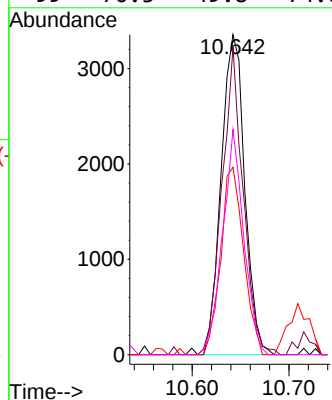
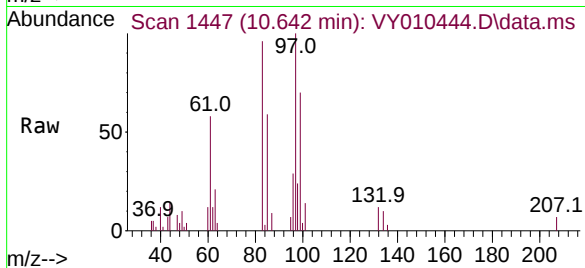
Ion Ratio Lower Upper

97 100

83 96.1 69.8 104.8

85 56.7 44.3 66.5

99 70.3 49.8 74.6



#56

Ethyl methacrylate

Concen: 2.321 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

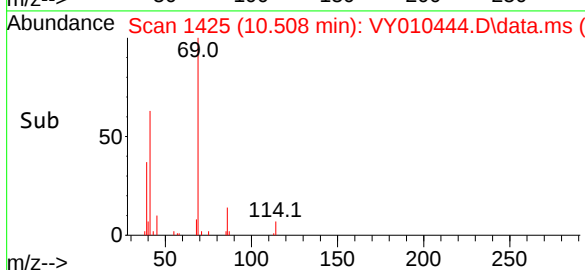
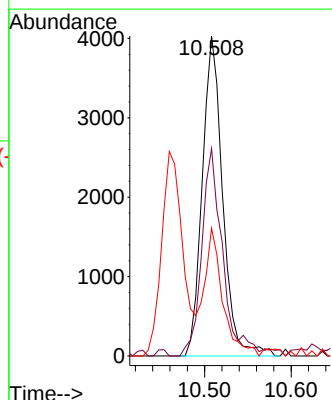
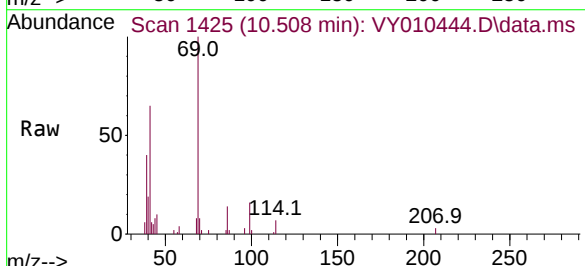
Tgt Ion: 69 Resp: 6589

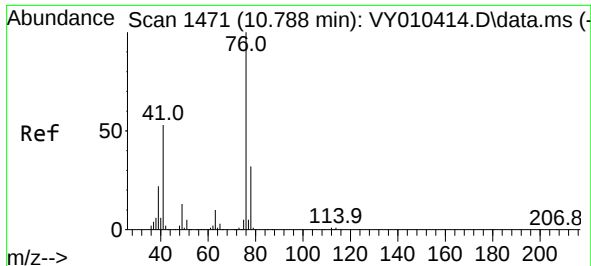
Ion Ratio Lower Upper

69 100

41 66.3 63.4 95.0

39 35.8 35.8 53.8#





#57

1,3-Dichloropropane

Concen: 2.686 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

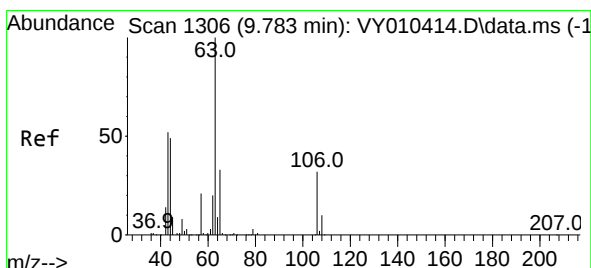
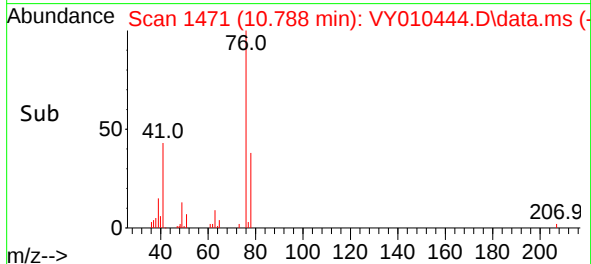
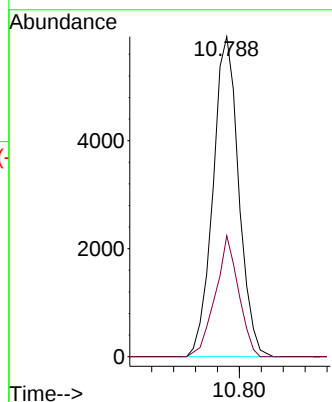
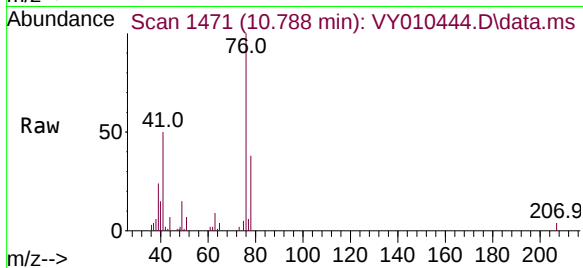
MDL-SOIL-03-QT3-2022

Tgt Ion: 76 Resp: 9656

Ion Ratio Lower Upper

76 100

78 34.1 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 16.946 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY010444.D

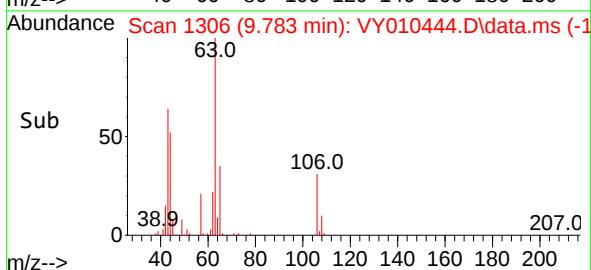
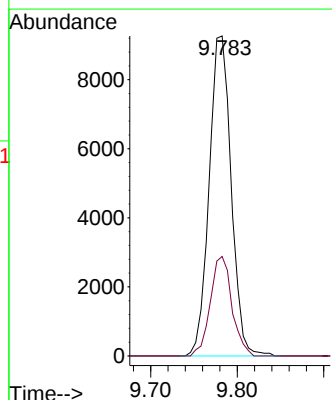
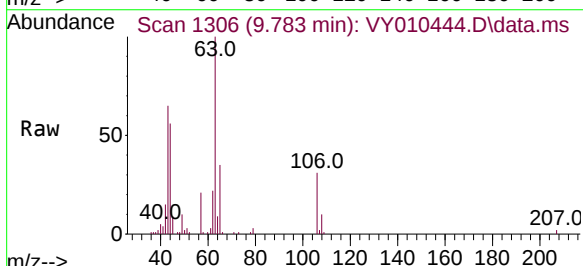
Acq: 12 Sep 2022 13:51

Tgt Ion: 63 Resp: 16366

Ion Ratio Lower Upper

63 100

106 30.5 21.5 32.3





#59

2-Hexanone

Concen: 11.695 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

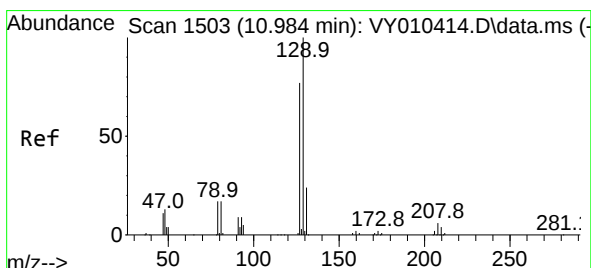
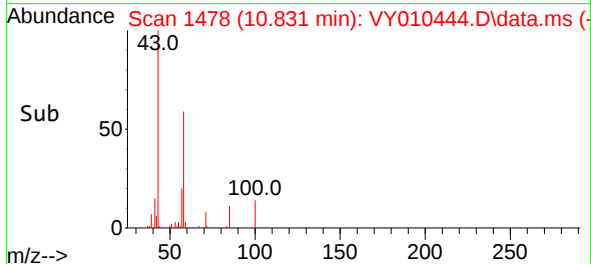
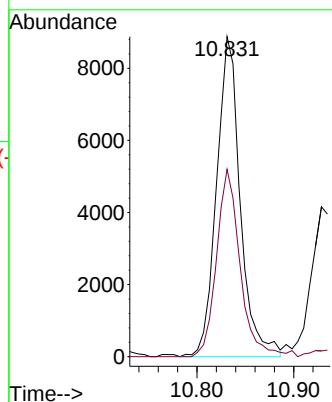
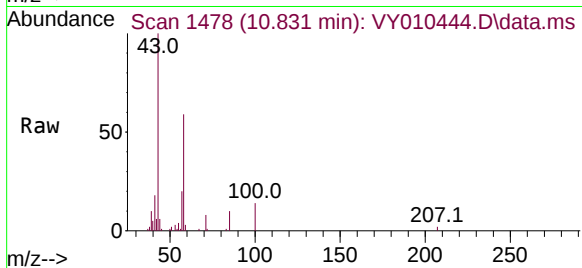
MDL-SOIL-03-QT3-2022

Tgt Ion: 43 Resp: 15099

Ion Ratio Lower Upper

43 100

58 58.3 24.4 73.4



#60

Dibromochloromethane

Concen: 2.584 ug/l

RT: 10.977 min Scan# 1502

Delta R.T. -0.007 min

Lab File: VY010444.D

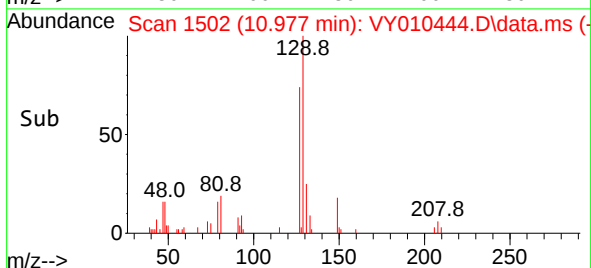
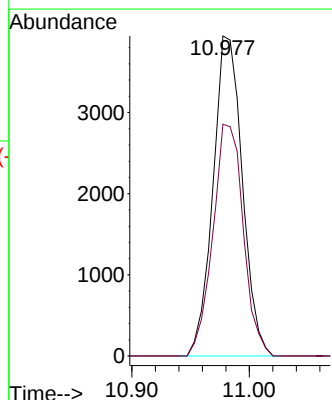
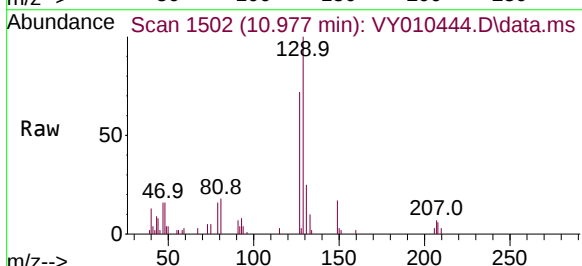
Acq: 12 Sep 2022 13:51

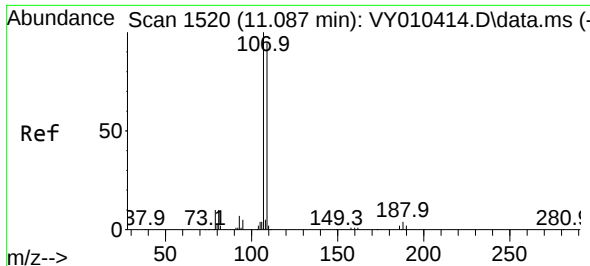
Tgt Ion: 129 Resp: 6825

Ion Ratio Lower Upper

129 100

127 75.1 38.7 116.1

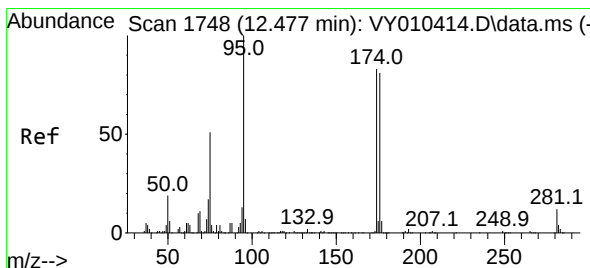
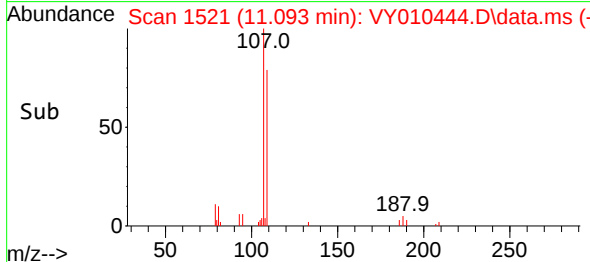
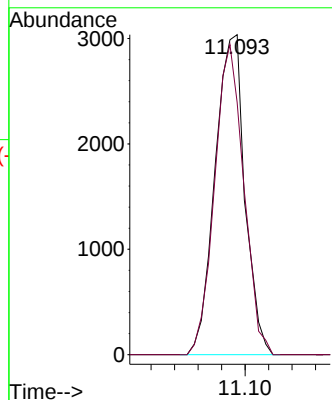
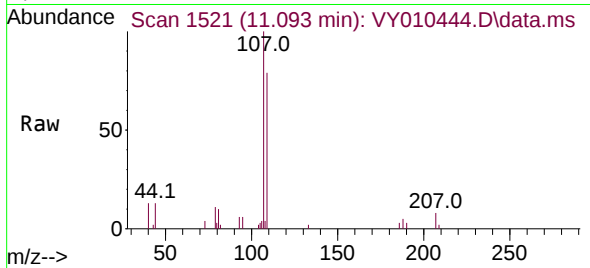




#61
1,2-Dibromoethane
Concen: 2.551 ug/l
RT: 11.093 min Scan# 1521
Delta R.T. 0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

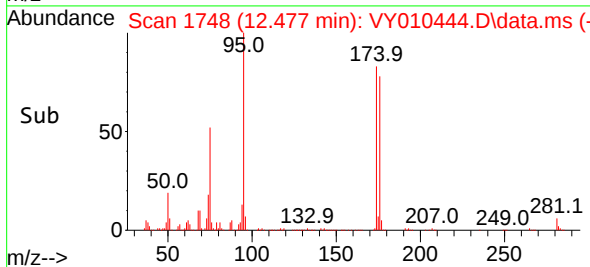
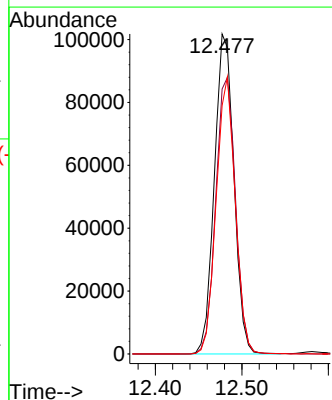
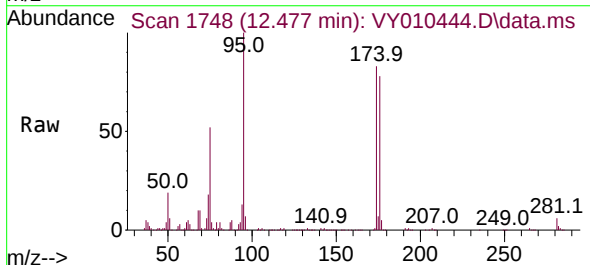
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

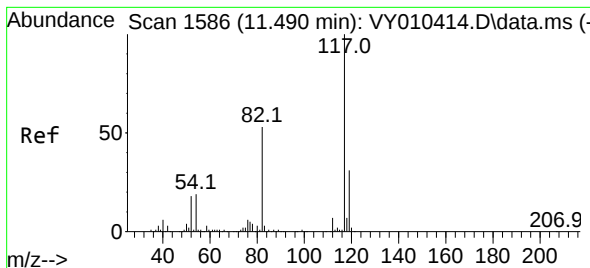
Tgt Ion:107 Resp: 5354
Ion Ratio Lower Upper
107 100
109 94.6 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 40.886 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 95 Resp: 159426
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.0
176 84.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

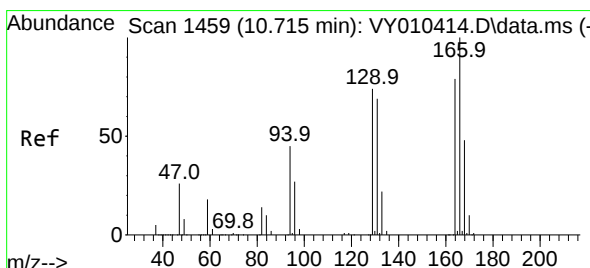
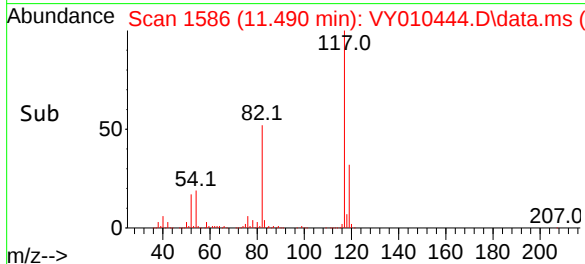
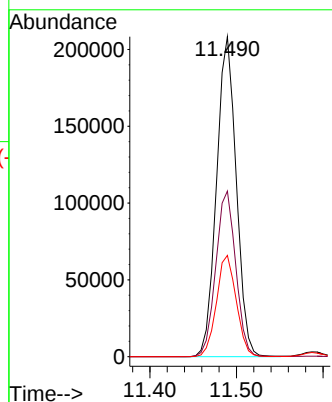
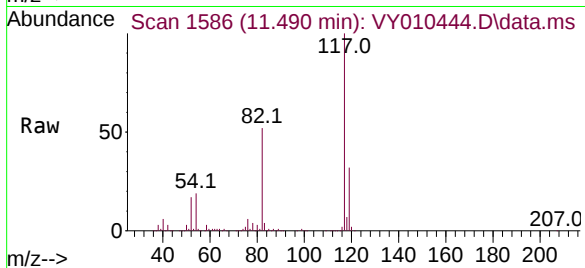
Tgt Ion:117 Resp: 329647

Ion Ratio Lower Upper

117 100

82 51.8 43.0 64.4

119 31.6 25.4 38.0



#64

Tetrachloroethene

Concen: 2.850 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Tgt Ion:164 Resp: 8467

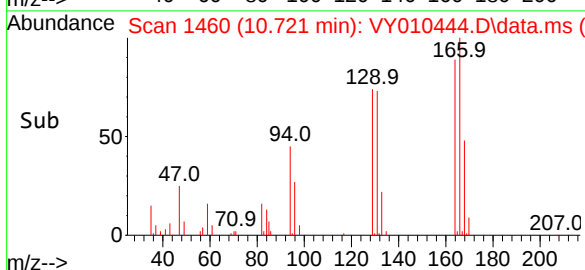
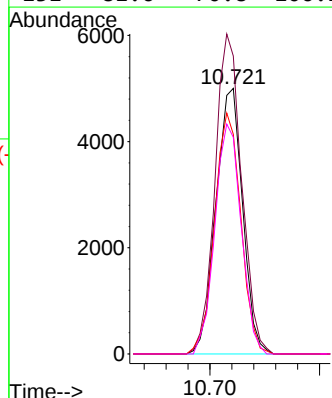
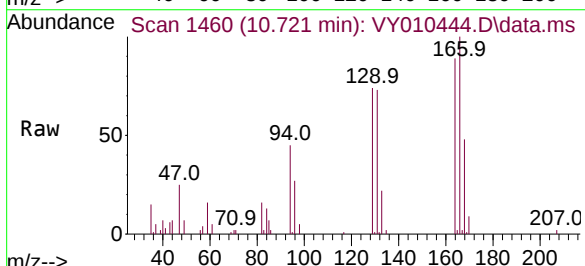
Ion Ratio Lower Upper

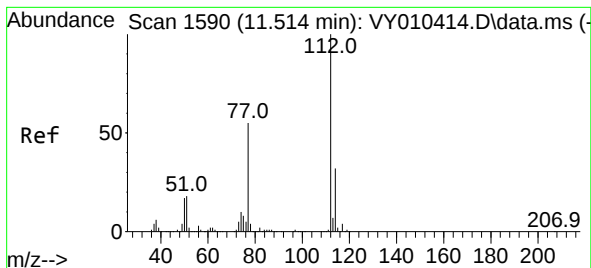
164 100

166 112.2 100.4 150.6

129 82.7 71.4 107.0

131 81.6 70.8 106.2





#65

Chlorobenzene

Concen: 2.756 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

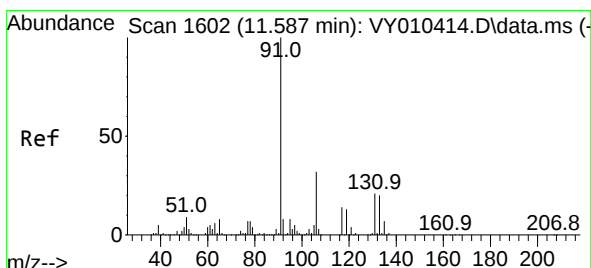
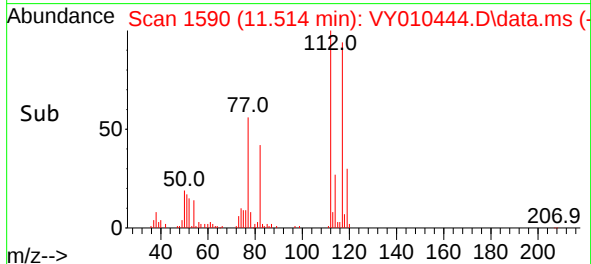
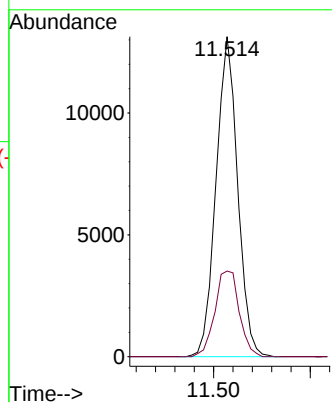
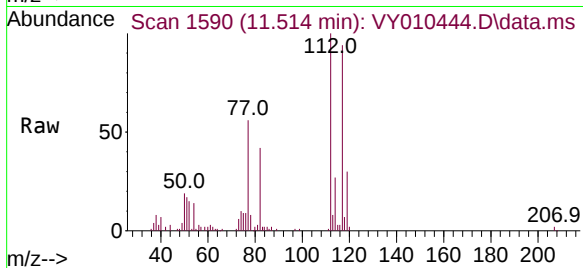
MDL-SOIL-03-QT3-2022

Tgt Ion:112 Resp: 20319

Ion Ratio Lower Upper

112 100

114 26.8 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 2.409 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

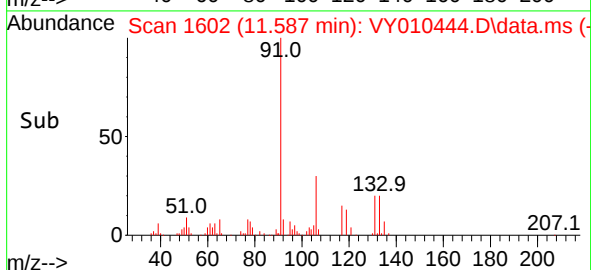
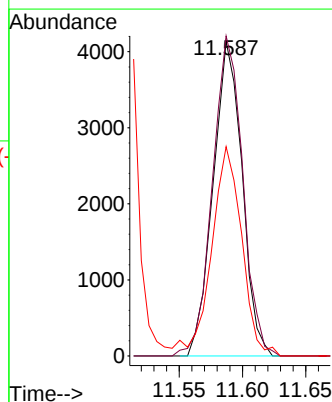
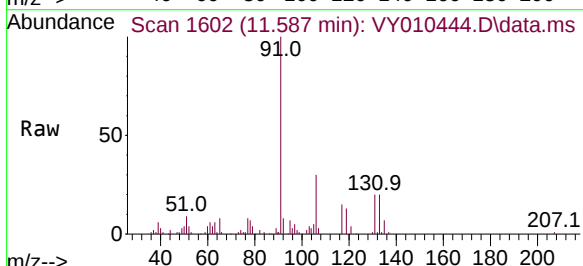
Tgt Ion:131 Resp: 6577

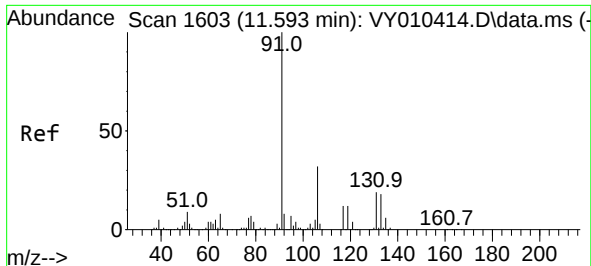
Ion Ratio Lower Upper

131 100

133 106.2 47.9 143.6

119 69.3 30.8 92.3





#67

Ethyl Benzene

Concen: 2.564 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

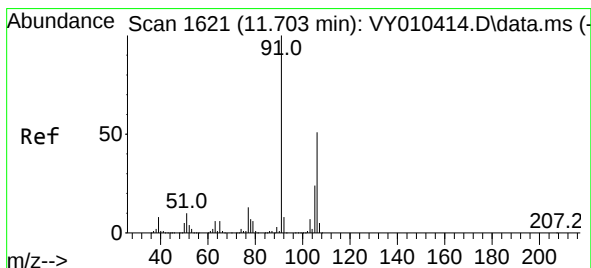
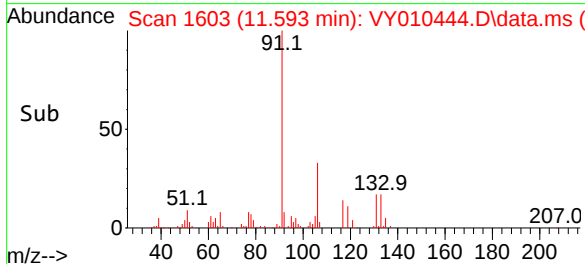
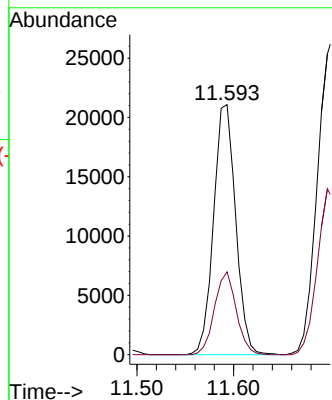
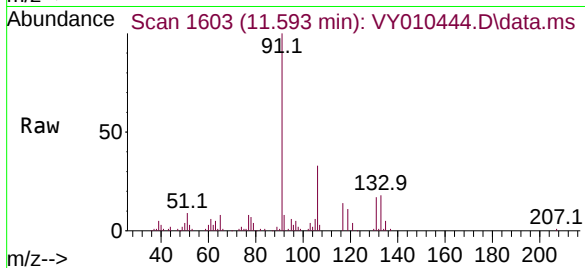
MDL-SOIL-03-QT3-2022

Tgt Ion: 91 Resp: 33455

Ion Ratio Lower Upper

91 100

106 33.1 24.5 36.7



#68

m/p-Xylenes

Concen: 5.052 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY010444.D

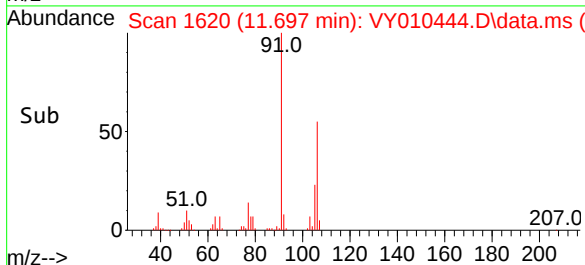
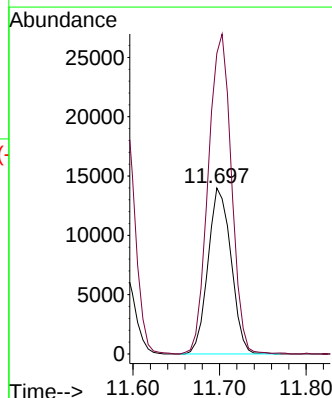
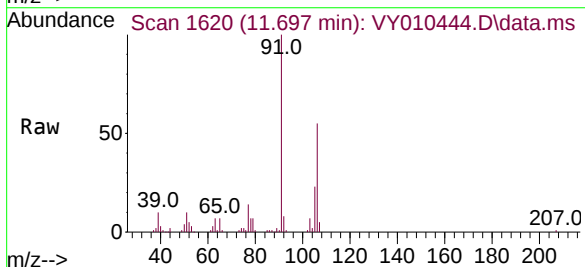
Acq: 12 Sep 2022 13:51

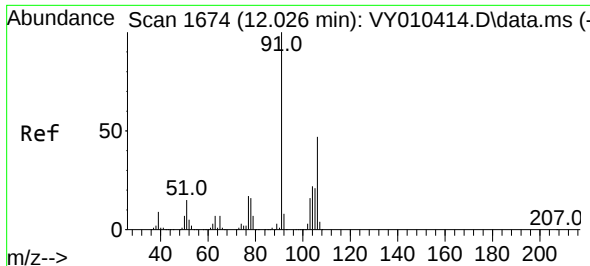
Tgt Ion: 106 Resp: 25880

Ion Ratio Lower Upper

106 100

91 193.6 166.6 249.8

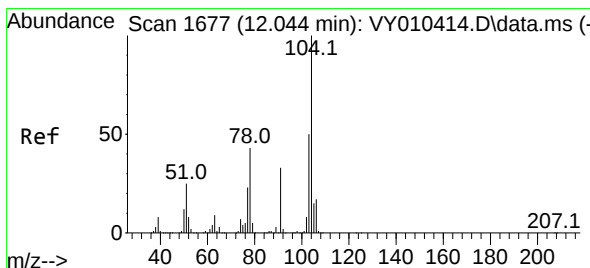
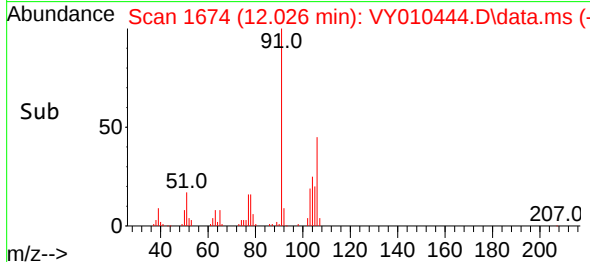
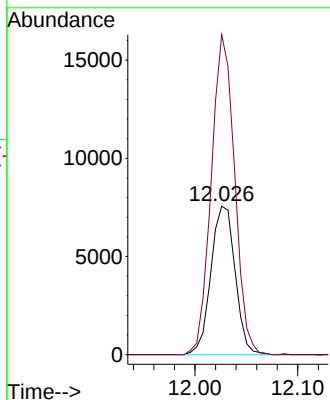
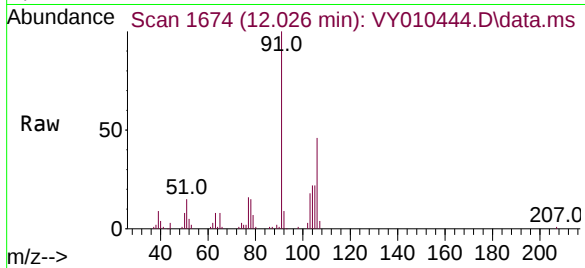




#69
o-Xylene
Concen: 2.534 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

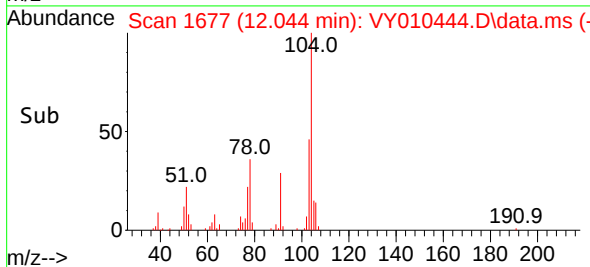
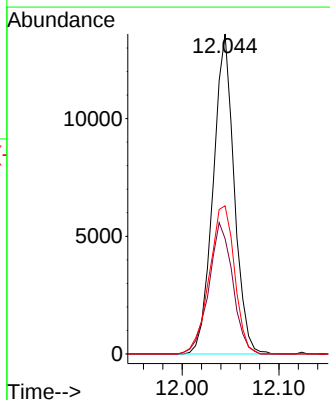
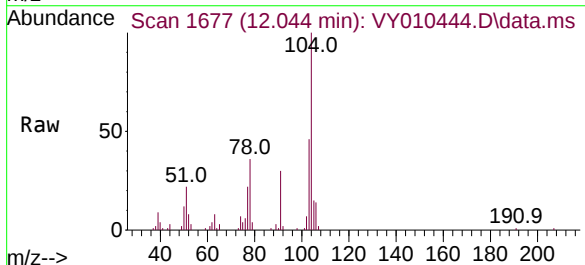
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

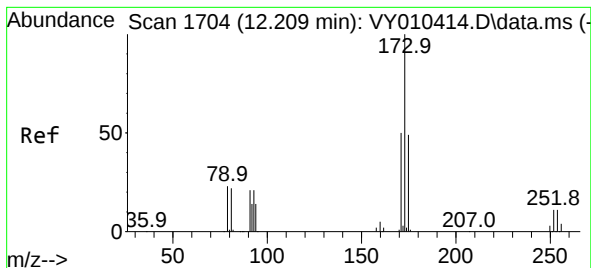
Tgt Ion:106 Resp: 12392
Ion Ratio Lower Upper
106 100
91 207.8 110.3 331.0



#70
Styrene
Concen: 2.478 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion:104 Resp: 20517
Ion Ratio Lower Upper
104 100
78 46.5 42.4 63.6
103 55.5 44.4 66.6





#71

Bromoform

Concen: 2.504 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

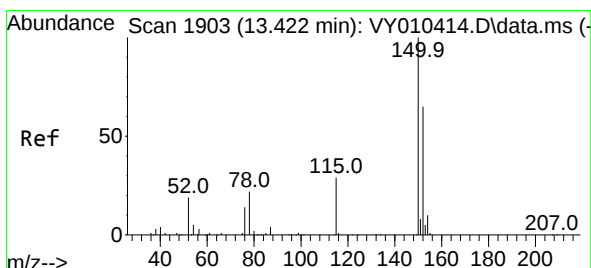
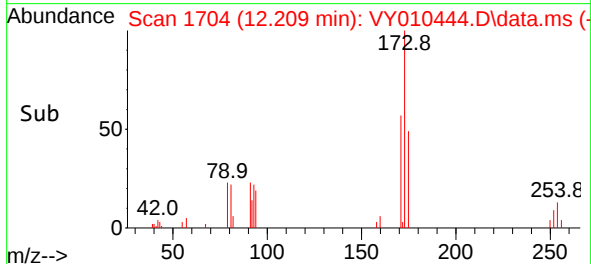
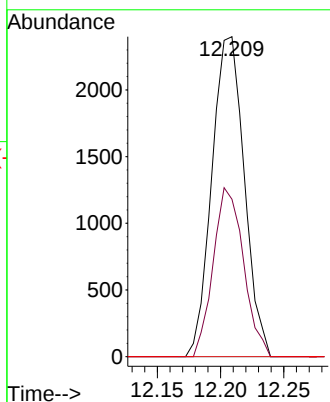
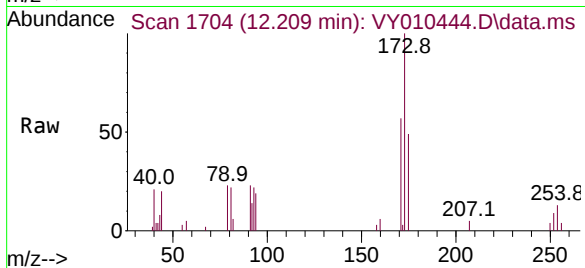
Tgt Ion:173 Resp: 4275

Ion Ratio Lower Upper

173 100

175 49.3 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: VY010444.D

Acq: 12 Sep 2022 13:51

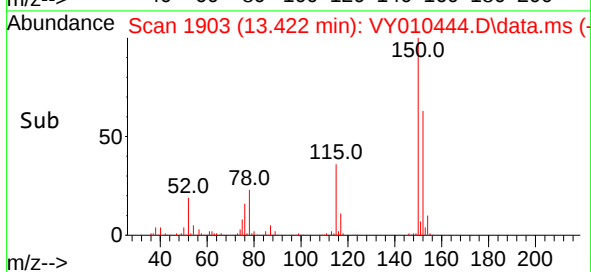
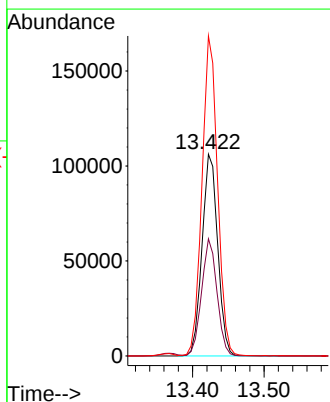
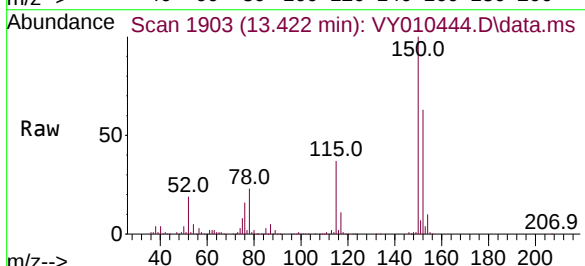
Tgt Ion:152 Resp: 161544

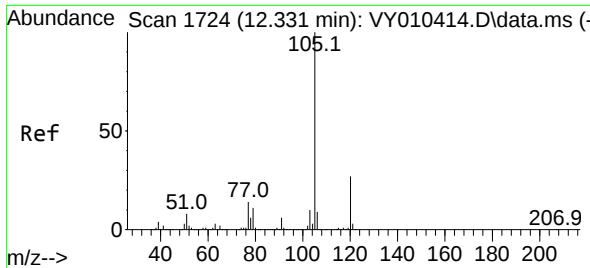
Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 157.0 0.0 347.6

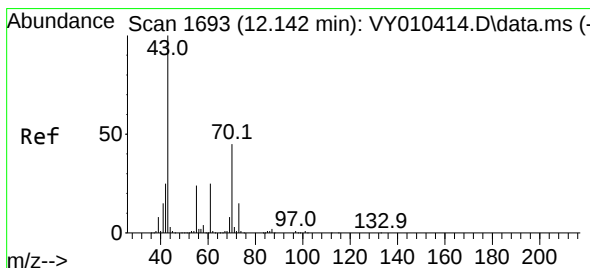
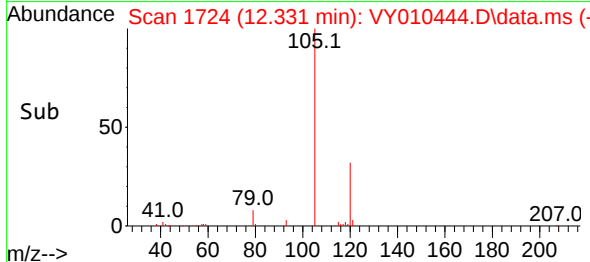
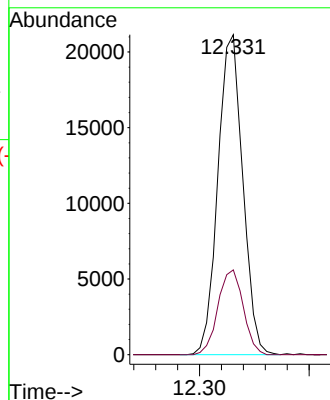
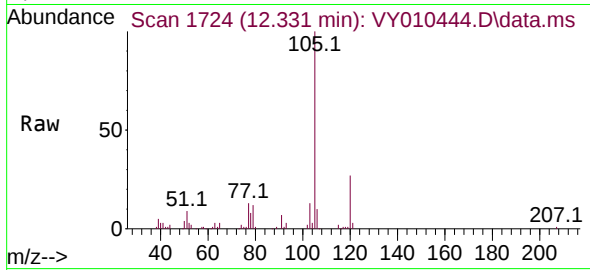




#73
Isopropylbenzene
Concen: 2.639 ug/l
RT: 12.331 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

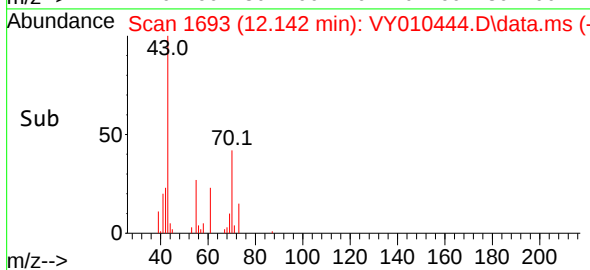
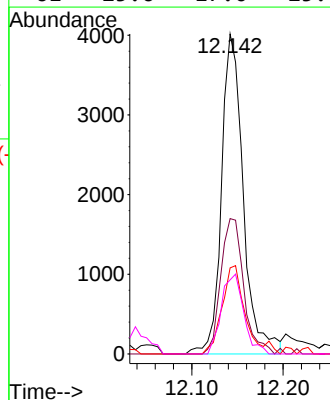
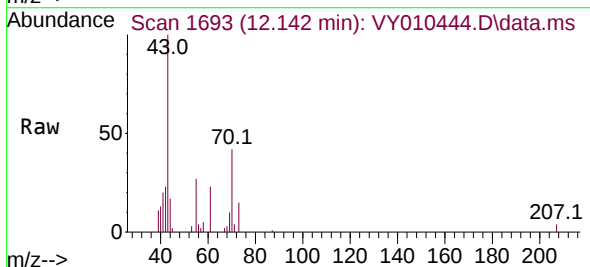
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

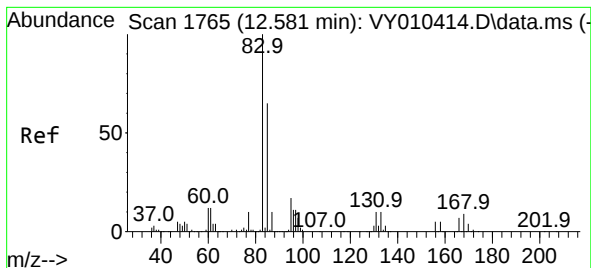
Tgt Ion:105 Resp: 33263
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2



#74
N-ethyl acetate
Concen: 2.266 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 43 Resp: 6664
Ion Ratio Lower Upper
43 100
70 44.7 28.7 43.1#
55 29.4 17.3 25.9#
61 25.6 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.798 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

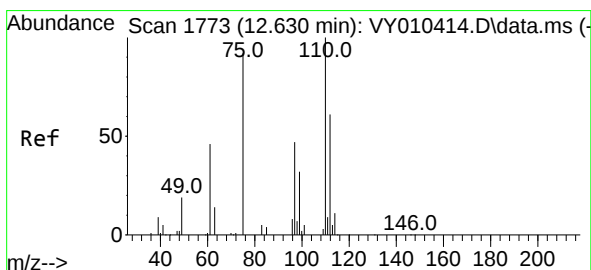
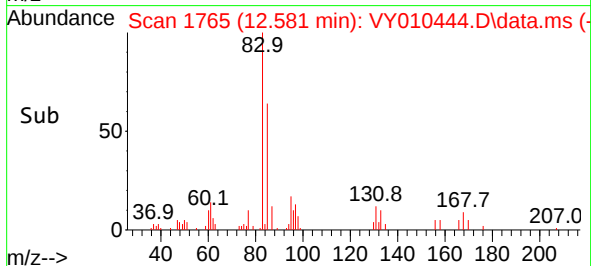
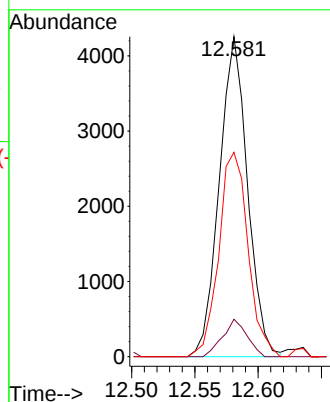
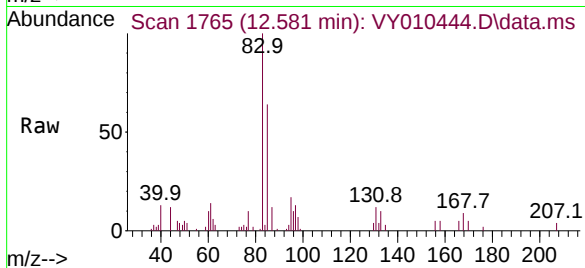
Tgt Ion: 83 Resp: 6597

Ion Ratio Lower Upper

83 100

131 10.1 5.6 16.8

85 66.0 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 4.780 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY010444.D

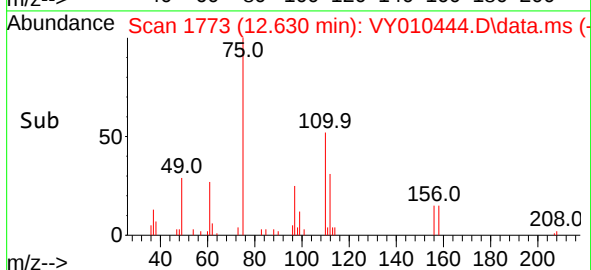
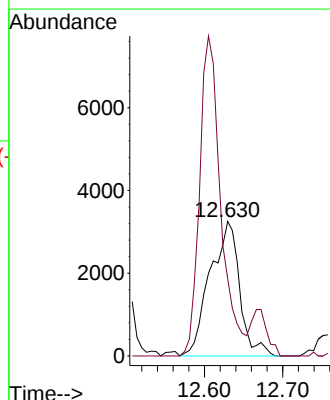
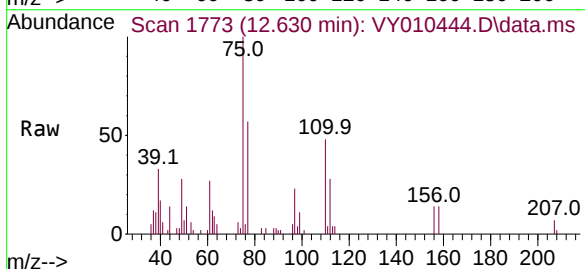
Acq: 12 Sep 2022 13:51

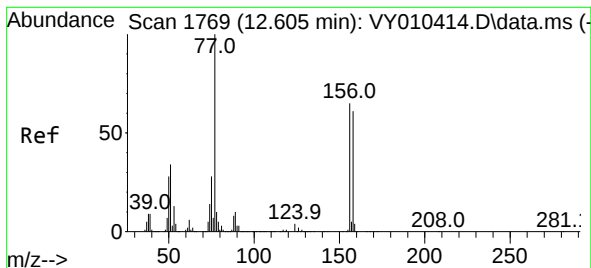
Tgt Ion: 75 Resp: 8523

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.716 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

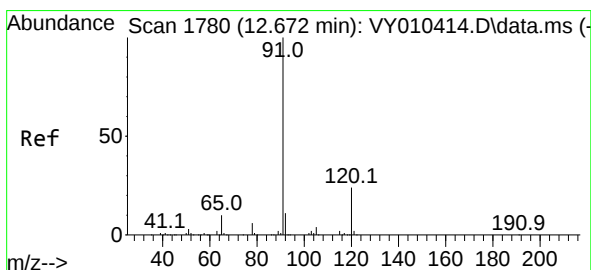
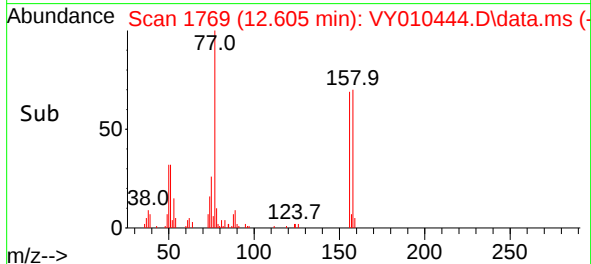
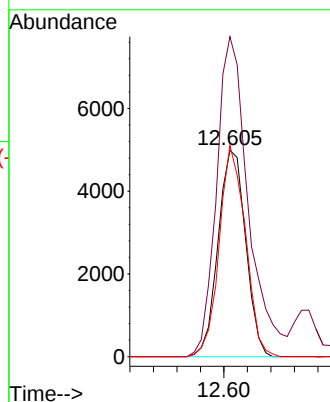
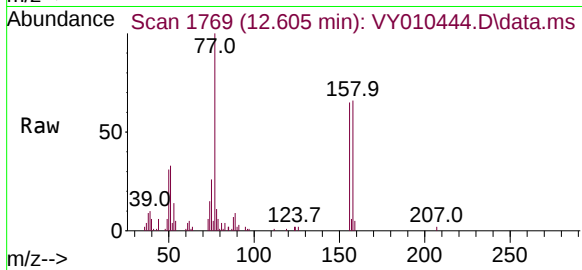
Tgt Ion:156 Resp: 8111

Ion Ratio Lower Upper

156 100

77 179.4 95.5 286.4

158 97.2 48.0 144.0



#78

n-propylbenzene

Concen: 2.680 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY010444.D

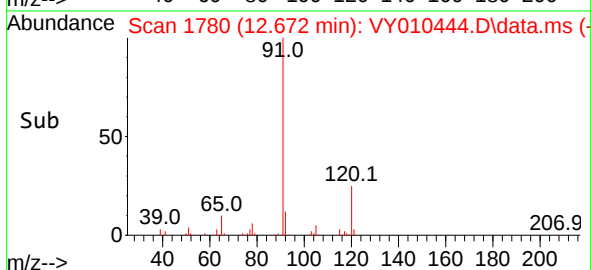
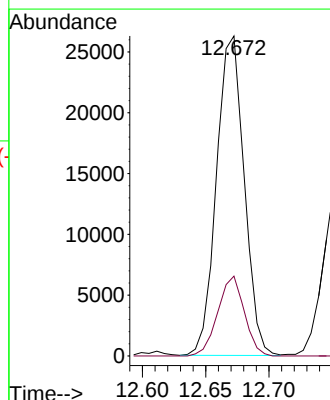
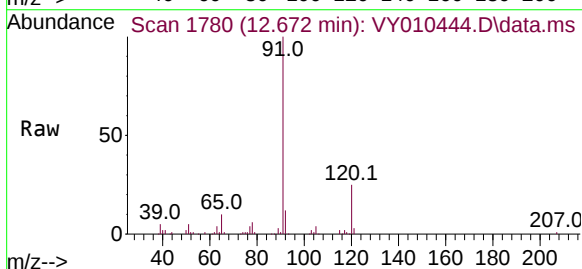
Acq: 12 Sep 2022 13:51

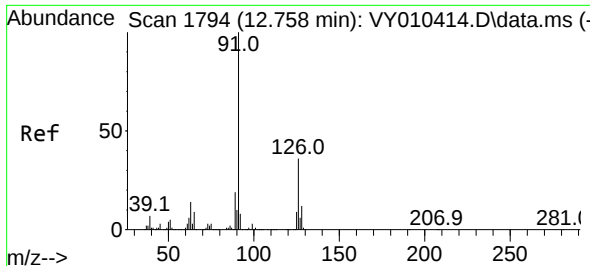
Tgt Ion: 91 Resp: 40005

Ion Ratio Lower Upper

91 100

120 23.9 11.3 33.9

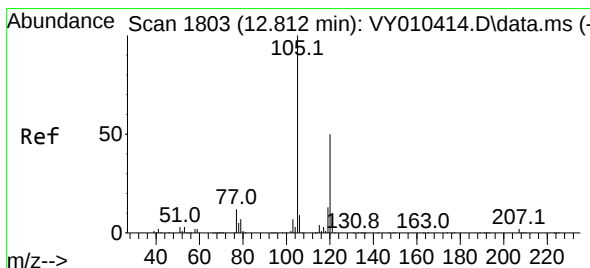
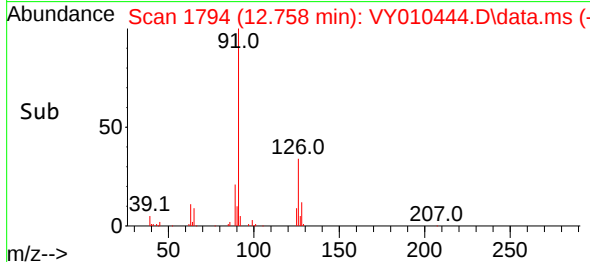
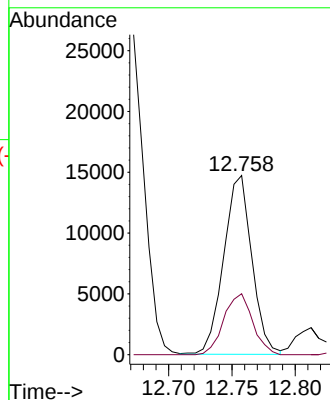
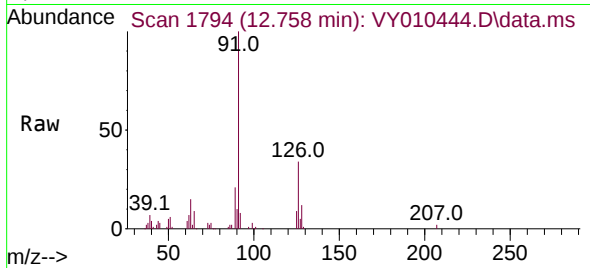




#79
2-Chlorotoluene
Concen: 2.723 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

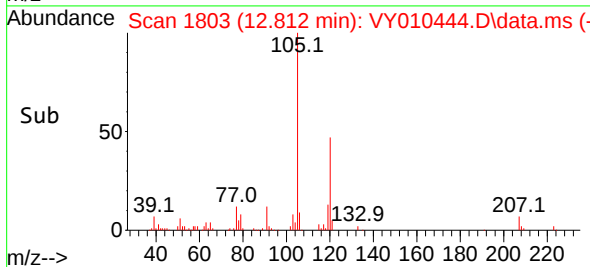
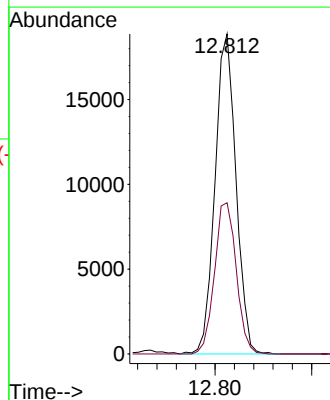
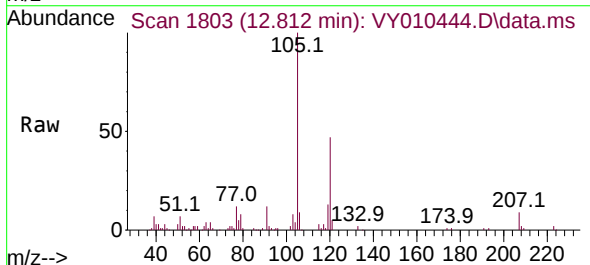
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

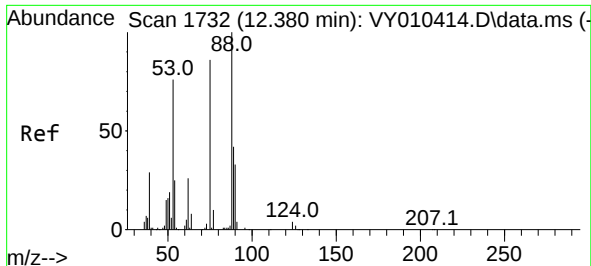
Tgt Ion: 91 Resp: 22833
Ion Ratio Lower Upper
91 100
126 34.8 16.9 50.6



#80
1,3,5-Trimethylbenzene
Concen: 2.667 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 105 Resp: 28358
Ion Ratio Lower Upper
105 100
120 49.0 24.4 73.4

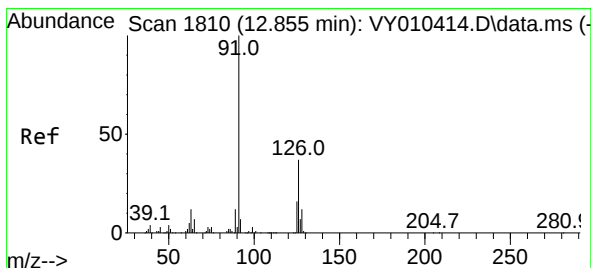
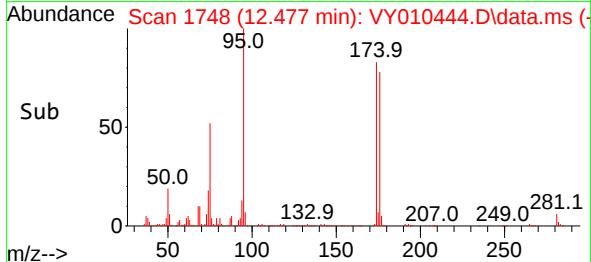
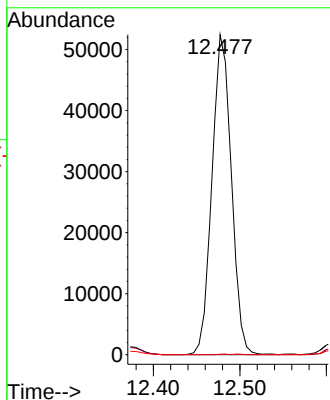
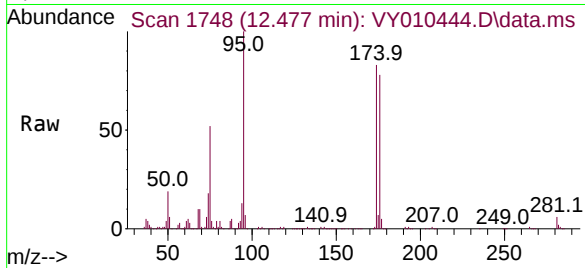




#81
trans-1,4-Dichloro-2-butene
Concen: 101.544 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

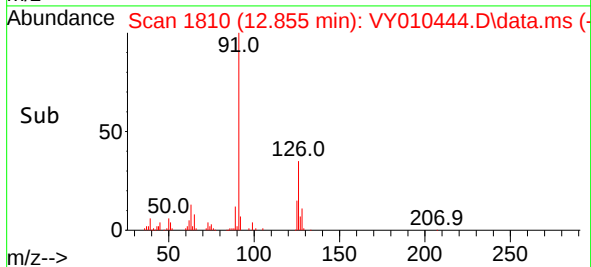
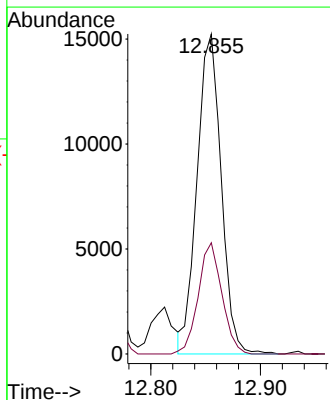
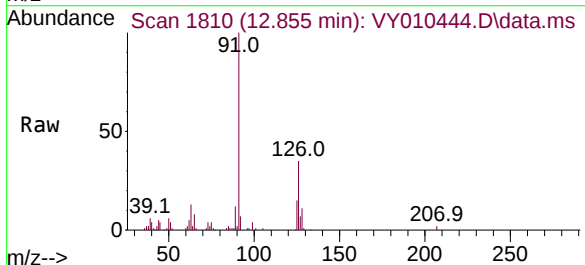
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

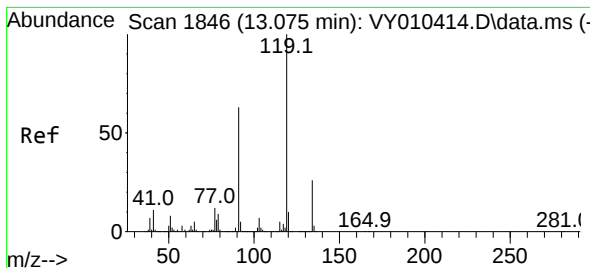
Tgt Ion: 75 Resp: 81538
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#82
4-Chlorotoluene
Concen: 2.669 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion: 91 Resp: 23276
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0





#83

tert-Butylbenzene

Concen: 2.628 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

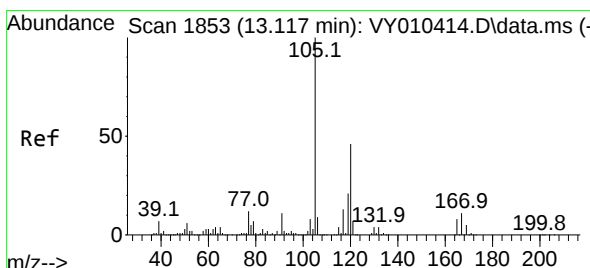
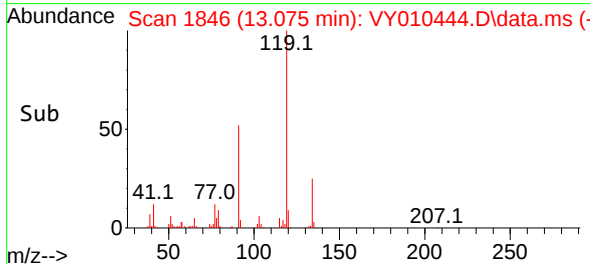
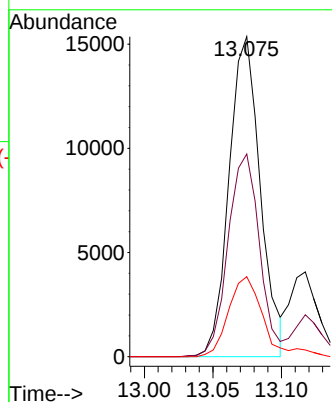
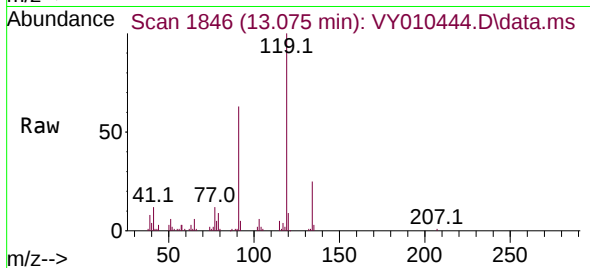
Tgt Ion:119 Resp: 24425

Ion Ratio Lower Upper

119 100

91 63.8 34.8 104.4

134 27.9 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 2.582 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY010444.D

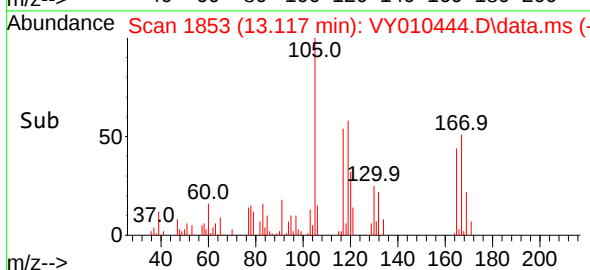
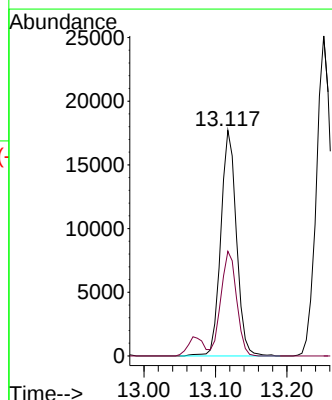
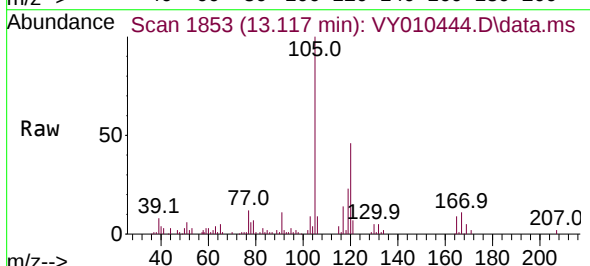
Acq: 12 Sep 2022 13:51

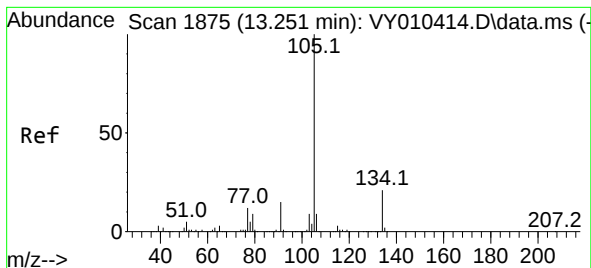
Tgt Ion:105 Resp: 26871

Ion Ratio Lower Upper

105 100

120 46.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 2.663 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

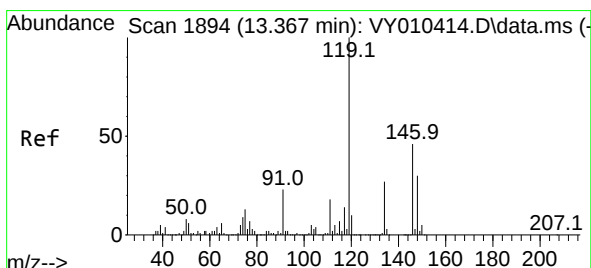
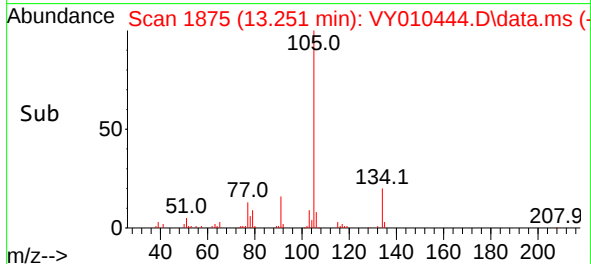
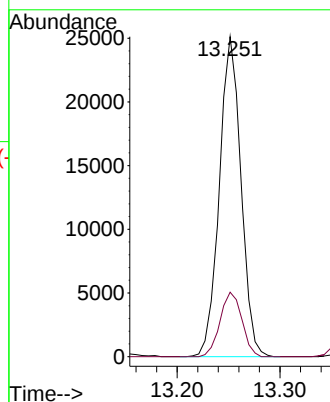
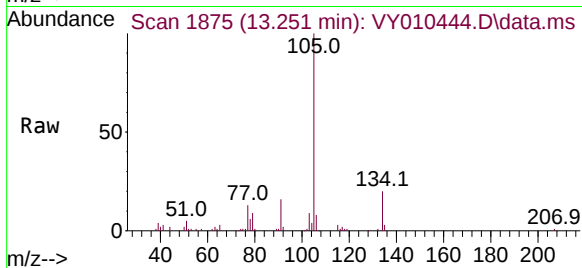
MDL-SOIL-03-QT3-2022

Tgt Ion:105 Resp: 36660

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 2.469 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

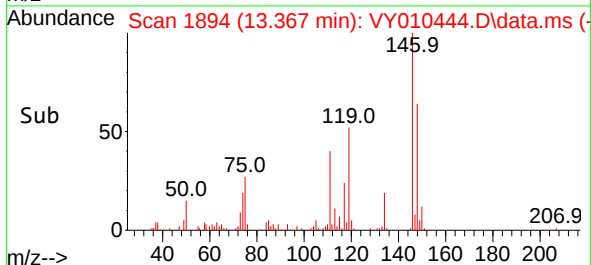
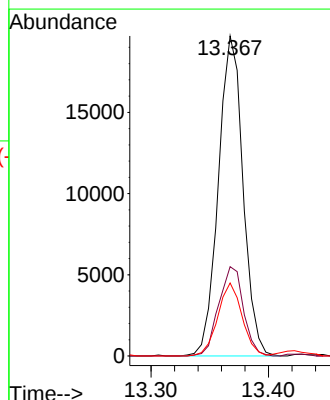
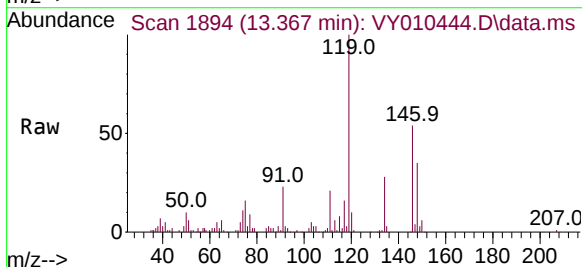
Tgt Ion:119 Resp: 28740

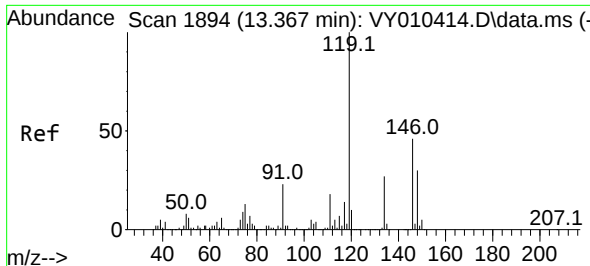
Ion Ratio Lower Upper

119 100

134 28.0 13.2 39.5

91 22.5 12.4 37.2

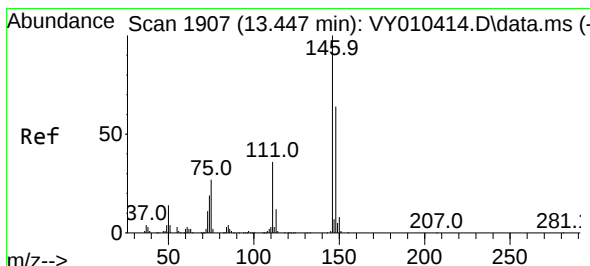
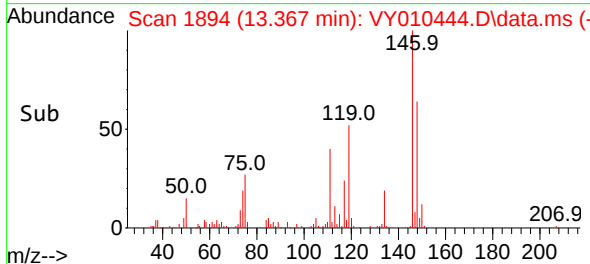
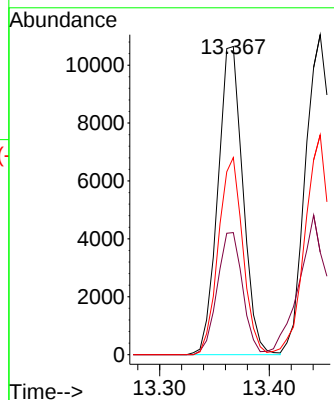
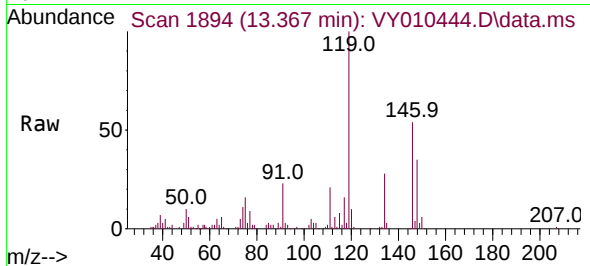




#87
1,3-Dichlorobenzene
Concen: 2.818 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

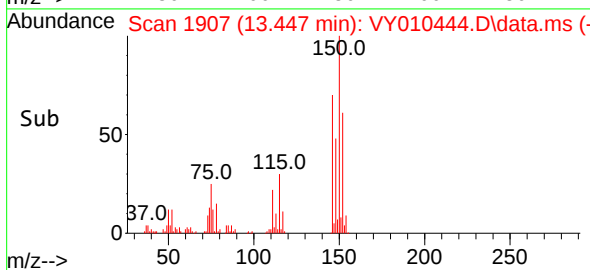
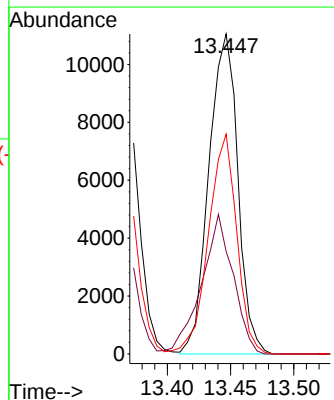
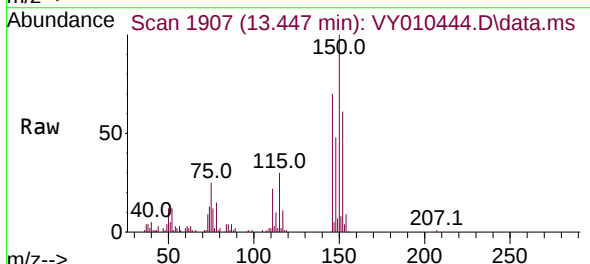
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:146 Resp: 16902
Ion Ratio Lower Upper
146 100
111 39.9 19.5 58.5
148 62.4 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 2.964 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion:146 Resp: 17601
Ion Ratio Lower Upper
146 100
111 47.7 19.3 57.8
148 67.3 32.6 97.8

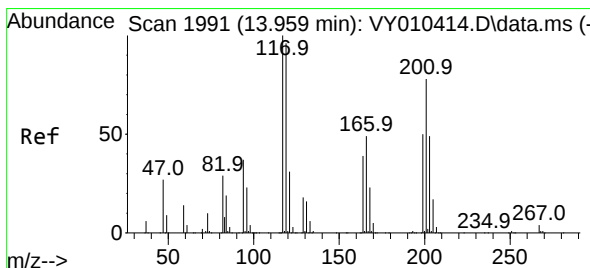
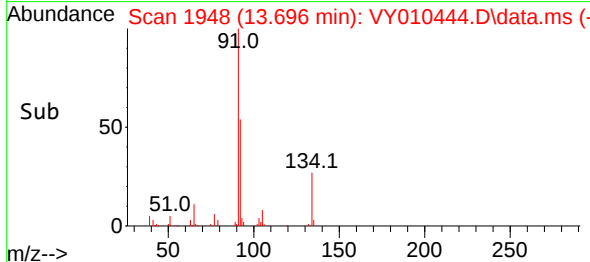
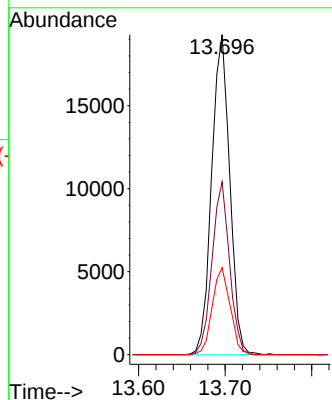
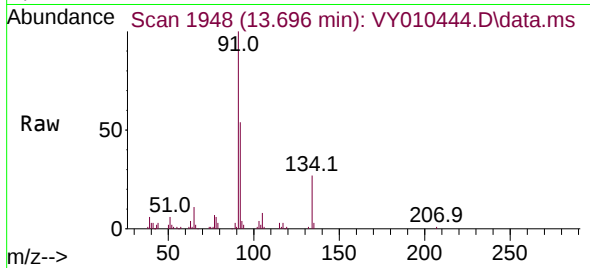




#89
n-Butylbenzene
Concen: 2.646 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

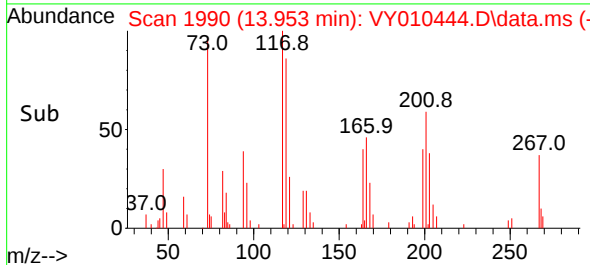
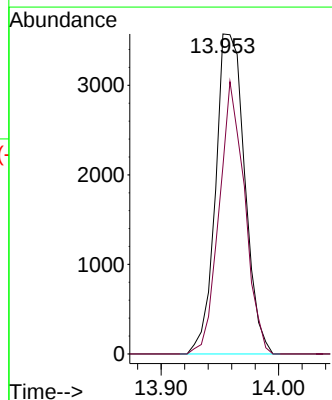
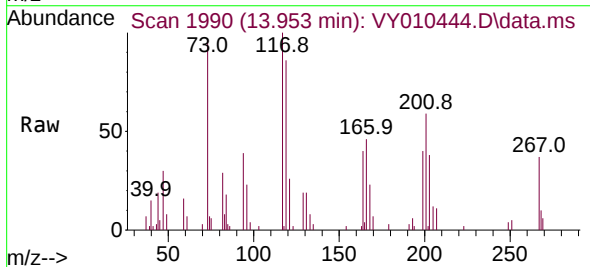
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

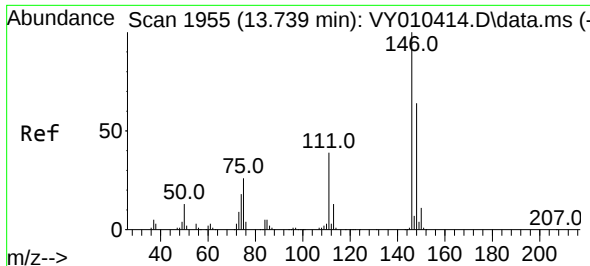
Tgt Ion:	91	Resp:	27964
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	26.9	13.0	38.9



#90
Hexachloroethane
Concen: 2.818 ug/l
RT: 13.953 min Scan# 1990
Delta R.T. -0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion:	117	Resp:	6159
Ion	Ratio	Lower	Upper
117	100		
201	74.4	43.0	128.8

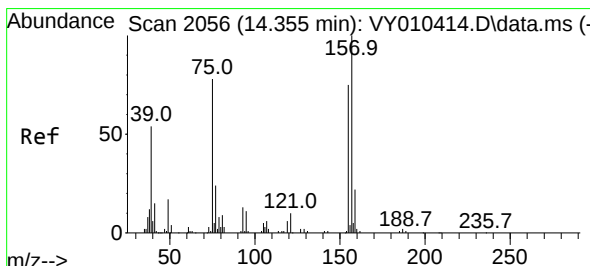
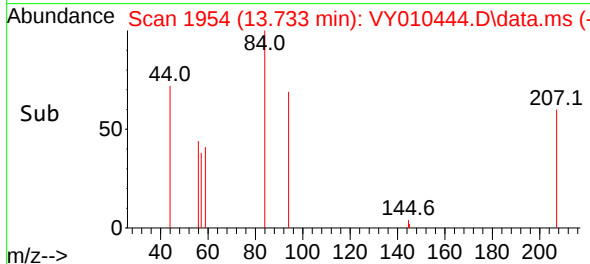
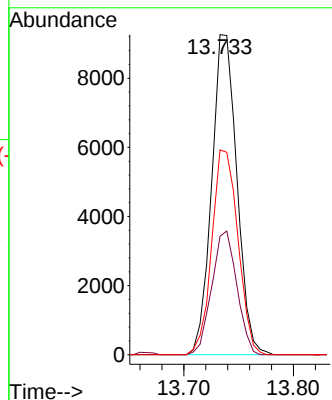
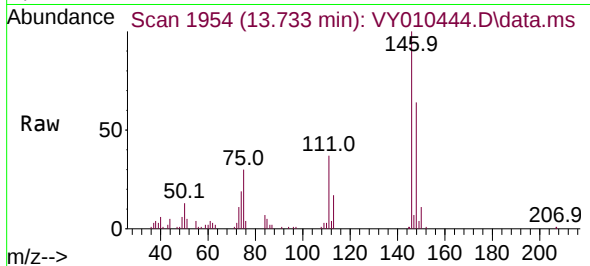




#91
1,2-Dichlorobenzene
Concen: 2.787 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

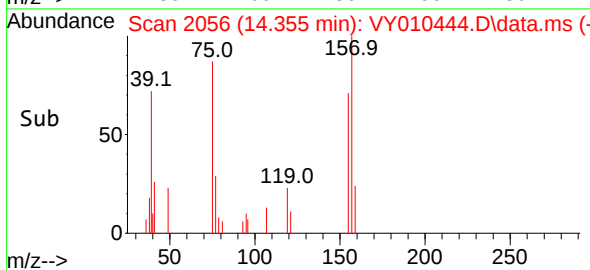
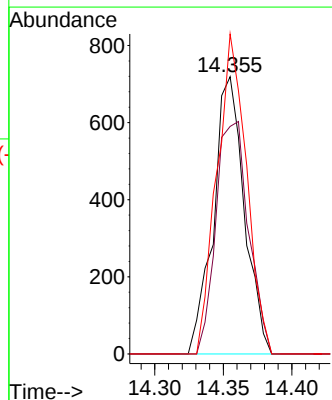
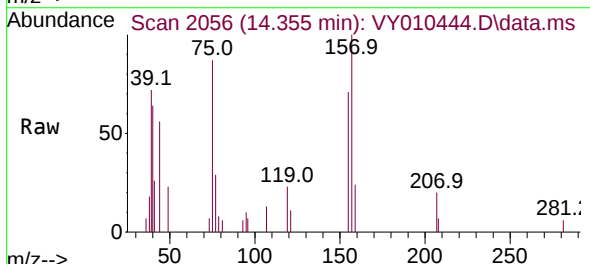
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

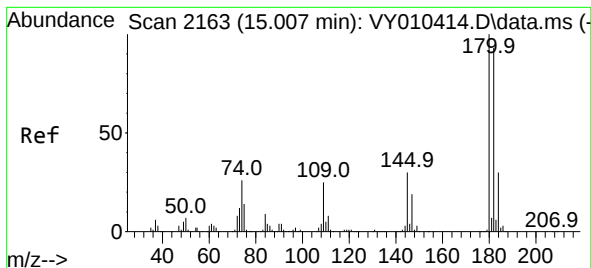
Tgt Ion:	146	Resp:	14806
Ion Ratio	Lower	Upper	
146	100		
111	38.4	20.3	60.9
148	66.2	32.3	96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.832 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY010444.D
Acq: 12 Sep 2022 13:51

Tgt Ion:	75	Resp:	1127
Ion Ratio	Lower	Upper	
75	100		
155	88.8	38.0	113.9
157	110.6	47.8	143.3





#93

1,2,4-Trichlorobenzene

Concen: 2.892 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

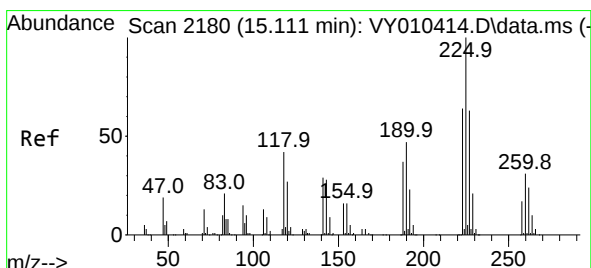
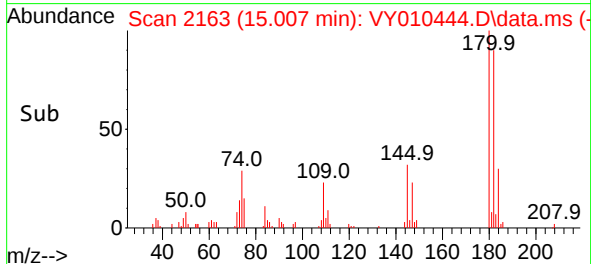
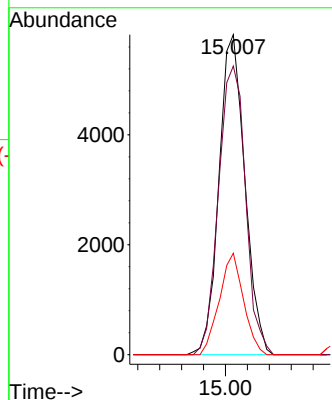
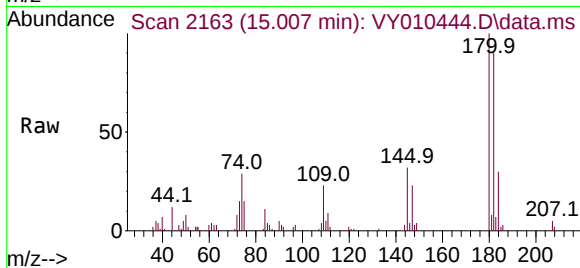
Tgt Ion:180 Resp: 9542

Ion Ratio Lower Upper

180 100

182 94.1 47.3 141.9

145 29.6 14.6 43.8



#94

Hexachlorobutadiene

Concen: 2.793 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

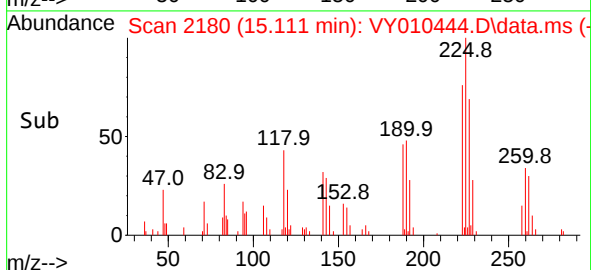
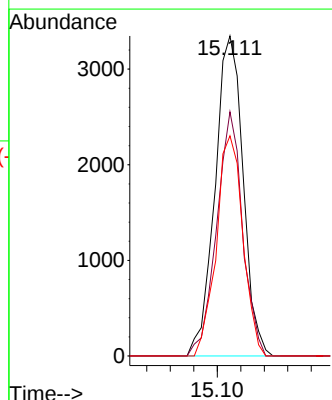
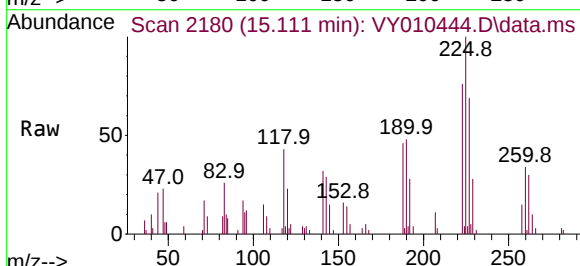
Tgt Ion:225 Resp: 5560

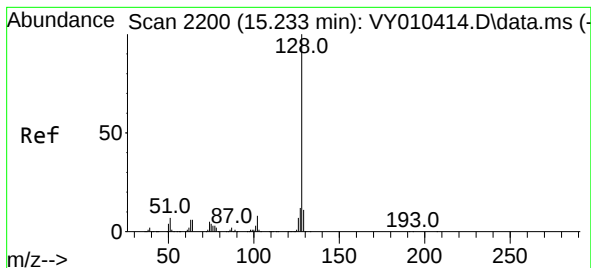
Ion Ratio Lower Upper

225 100

223 70.5 30.8 92.3

227 65.0 31.6 94.7





#95

Naphthalene

Concen: 2.709 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

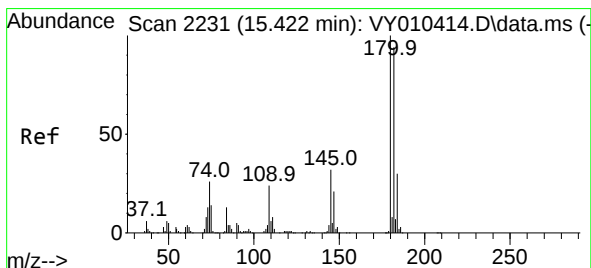
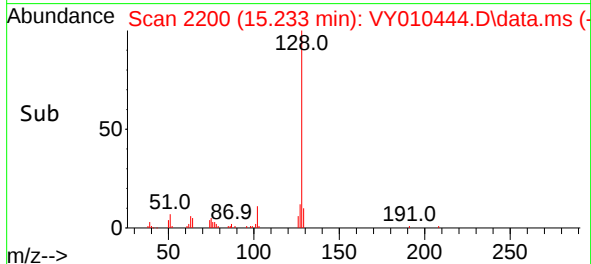
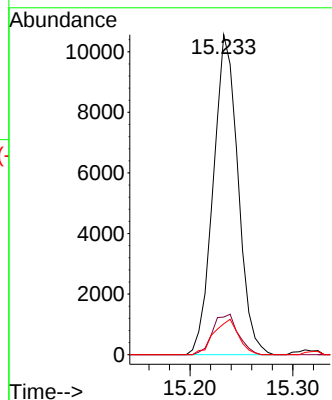
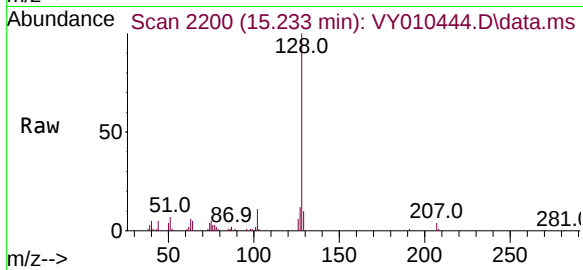
Tgt Ion:128 Resp: 17631

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.4

129 11.1 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 2.775 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY010444.D

Acq: 12 Sep 2022 13:51

Tgt Ion:180 Resp: 7993

Ion Ratio Lower Upper

180 100

182 91.9 47.3 141.9

145 32.2 15.3 45.9

