

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010426.D
 Acq On : 09 Sep 2022 18:31
 Operator : KP/MD
 Sample : N3980-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Sep 12 04:36:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 12 04:36:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	240816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	375810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	333607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165166	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	121195	49.969	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.940%
35) Dibromofluoromethane	7.710	113	120566	45.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.340%
50) Toluene-d8	10.179	98	450551	52.086	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.180%
62) 4-Bromofluorobenzene	12.477	95	156594	39.450	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.900%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	8196	4.442	ug/l	93
3) Chloromethane	2.107	50	11942	4.414	ug/l	99
4) Vinyl Chloride	2.241	62	14809	4.437	ug/l	100
5) Bromomethane	2.644	94	11772	5.034	ug/l	99
6) Chloroethane	2.784	64	9762	4.372	ug/l	99
7) Trichlorofluoromethane	3.113	101	18504	4.376	ug/l	97
8) Diethyl Ether	3.528	74	5816	4.247	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	10928	4.414	ug/l	94
10) Methyl Iodide	4.082	142	11792	3.849	ug/l	91
11) Tert butyl alcohol	4.918	59	5281	16.120	ug/l #	77
12) 1,1-Dichloroethene	3.863	96	10110	4.353	ug/l	85
13) Acrolein	3.723	56	4333	18.726	ug/l	93
14) Allyl chloride	4.473	41	13750	4.112	ug/l #	93
15) Acrylonitrile	5.155	53	13110	19.777	ug/l	99
16) Acetone	3.942	43	12213	21.942	ug/l #	88
17) Carbon Disulfide	4.186	76	25836	4.114	ug/l	99
18) Methyl Acetate	4.473	43	8806	5.143	ug/l #	87
19) Methyl tert-butyl Ether	5.210	73	26407	4.117	ug/l #	90
20) Methylene Chloride	4.704	84	25435	7.488	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	11209	4.251	ug/l #	81
22) Diisopropyl ether	6.112	45	29821	3.994	ug/l #	94
23) Vinyl Acetate	6.052	43	81905	17.901	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	19733	4.366	ug/l	99
25) 2-Butanone	6.984	43	18957	21.431	ug/l	93
26) 2,2-Dichloropropane	6.972	77	19930	4.621	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	13328	4.348	ug/l	92
28) Bromochloromethane	7.326	49	7137	4.925	ug/l #	81
29) Tetrahydrofuran	7.350	42	10838	19.631	ug/l #	83
30) Chloroform	7.503	83	21316	4.446	ug/l	96
31) Cyclohexane	7.783	56	20700	5.052	ug/l #	66
32) 1,1,1-Trichloroethane	7.698	97	18518	4.265	ug/l	96
36) 1,1-Dichloropropene	7.911	75	15227	4.167	ug/l	97
37) Ethyl Acetate	7.070	43	7753	4.036	ug/l #	88
38) Carbon Tetrachloride	7.893	117	17236	4.240	ug/l	95
39) Methylcyclohexane	9.179	83	19151	4.203	ug/l	91
40) Benzene	8.155	78	44522	4.233	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	10702	9.746	ug/l #	40
42) 1,2-Dichloroethane	8.228	62	13391	4.281	ug/l	91
43) Isopropyl Acetate	8.265	43	13027	3.706	ug/l #	89
44) Trichloroethene	8.935	130	13372	4.319	ug/l	95
45) 1,2-Dichloropropane	9.210	63	10715	4.177	ug/l	92
46) Dibromomethane	9.301	93	6599	4.266	ug/l	99
47) Bromodichloromethane	9.496	83	15230	4.145	ug/l #	99
48) Methyl methacrylate	9.295	41	5445	3.449	ug/l #	76
49) 1,4-Dioxane	9.295	88	1453	70.953	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	36372	18.864	ug/l	89
52) Toluene	10.240	92	29788	4.328	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	14582	3.856	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	17661	4.141	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	9370	4.258	ug/l	98
56) Ethyl methacrylate	10.508	69	10613	3.672	ug/l	87
57) 1,3-Dichloropropane	10.788	76	15077	4.120	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	27482	27.953	ug/l	95
59) 2-Hexanone	10.831	43	23260	17.697	ug/l	88
60) Dibromochloromethane	10.984	129	11235	4.178	ug/l	98
61) 1,2-Dibromoethane	11.087	107	8535	3.995	ug/l	95
64) Tetrachloroethene	10.715	164	13244	4.404	ug/l	97
65) Chlorobenzene	11.514	112	32236	4.321	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	11761	4.256	ug/l	98
67) Ethyl Benzene	11.587	91	55402	4.196	ug/l	96
68) m/p-Xylenes	11.697	106	43418	8.376	ug/l	92
69) o-Xylene	12.026	106	20205	4.082	ug/l	93
70) Styrene	12.044	104	32914	3.929	ug/l	96
71) Bromoform	12.203	173	6636	3.841	ug/l #	98
73) Isopropylbenzene	12.325	105	53954	4.187	ug/l	98
74) N-amyl acetate	12.142	43	10422	3.466	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	10265	4.258	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	13610	7.466	ug/l #	100
77) Bromobenzene	12.605	156	13811	4.523	ug/l	87
78) n-propylbenzene	12.666	91	65596	4.299	ug/l	97
79) 2-Chlorotoluene	12.758	91	36993	4.316	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	46712	4.296	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	2927	3.565	ug/l	94
82) 4-Chlorotoluene	12.849	91	38497	4.317	ug/l	98
83) tert-Butylbenzene	13.075	119	41032	4.317	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	45850	4.310	ug/l	100
85) sec-Butylbenzene	13.251	105	59590	4.235	ug/l	97
86) p-Isopropyltoluene	13.367	119	49536	4.161	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	26631	4.343	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	26962	4.440	ug/l	94
89) n-Butylbenzene	13.697	91	45899	4.248	ug/l	99
90) Hexachloroethane	13.959	117	9314	4.167	ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	23769	4.377	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1697	4.171	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	13915	4.125	ug/l	100
94) Hexachlorobutadiene	15.111	225	8946	4.396	ug/l	95
95) Naphthalene	15.233	128	24971	3.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	11941	4.055	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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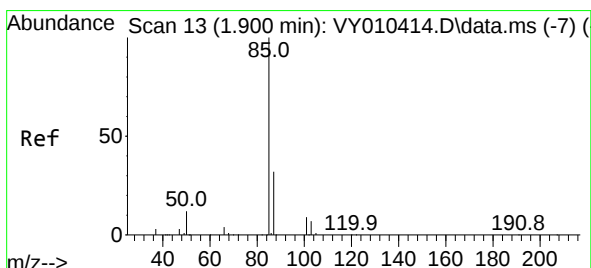
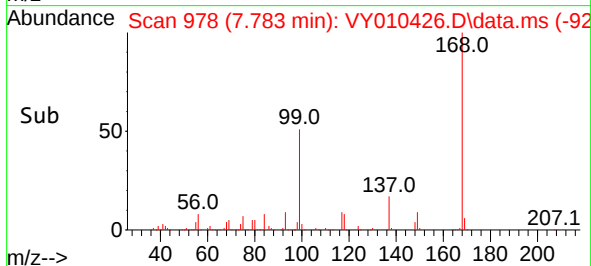
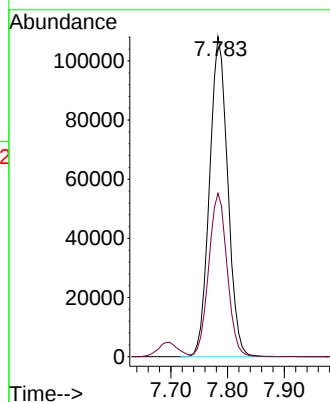
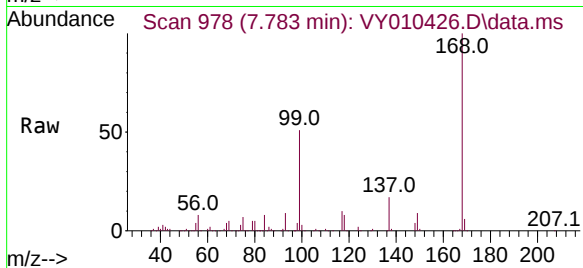
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
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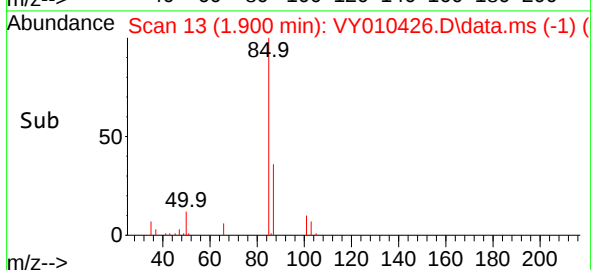
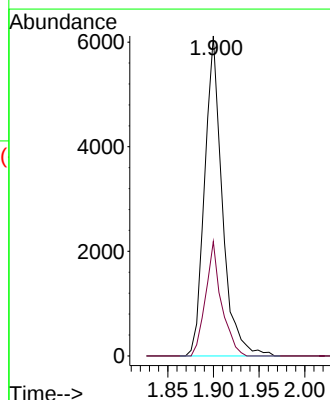
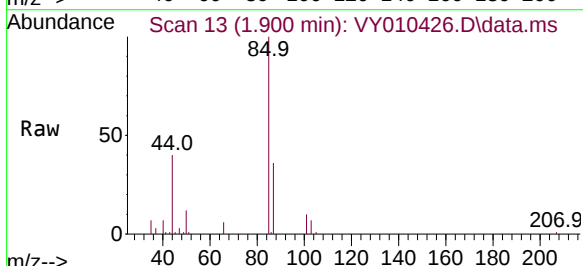
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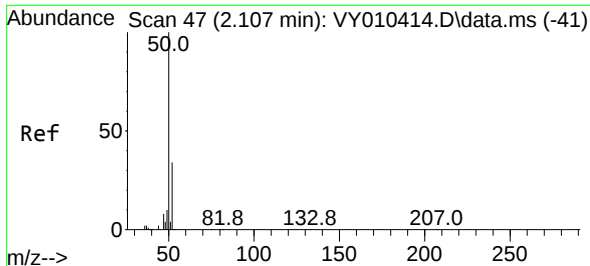
Tgt Ion:168 Resp: 240816
Ion Ratio Lower Upper
168 100
99 51.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 4.442 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 85 Resp: 8196
Ion Ratio Lower Upper
85 100
87 35.8 16.1 48.2

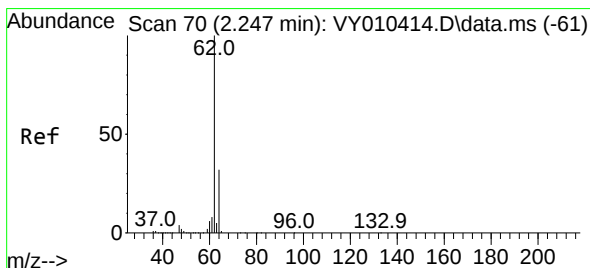
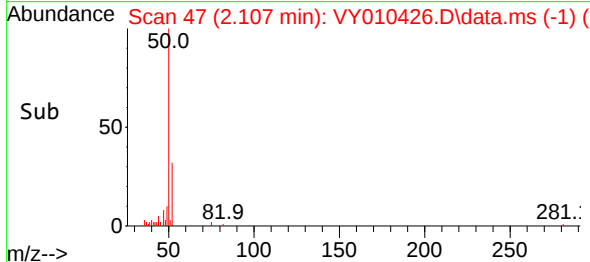
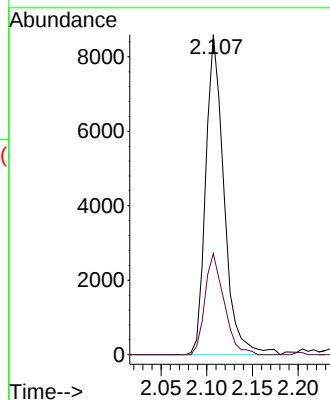
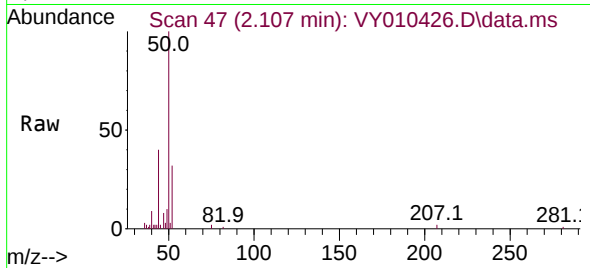




#3
Chloromethane
Concen: 4.414 ug/l
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

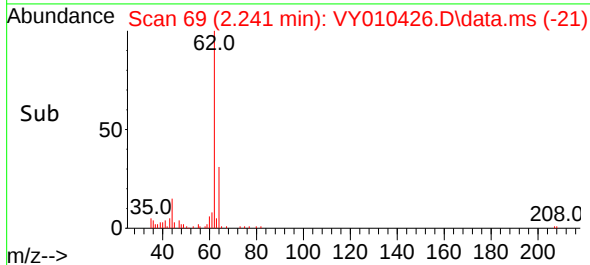
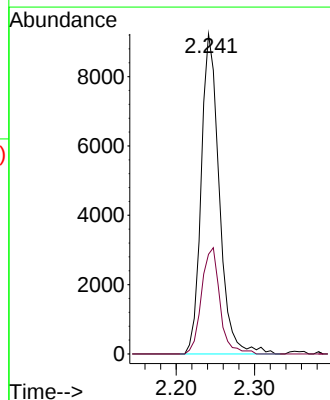
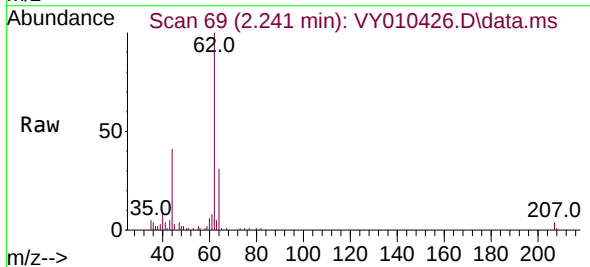
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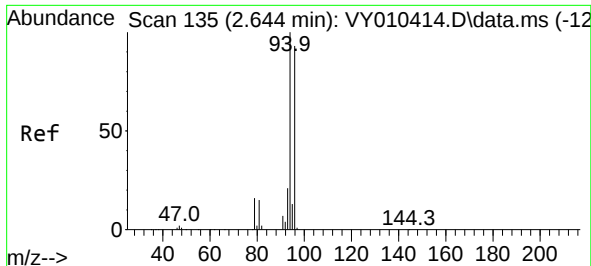
Tgt Ion: 50 Resp: 11942
Ion Ratio Lower Upper
50 100
52 31.6 24.6 37.0



#4
Vinyl Chloride
Concen: 4.437 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 62 Resp: 14809
Ion Ratio Lower Upper
62 100
64 31.2 25.0 37.6

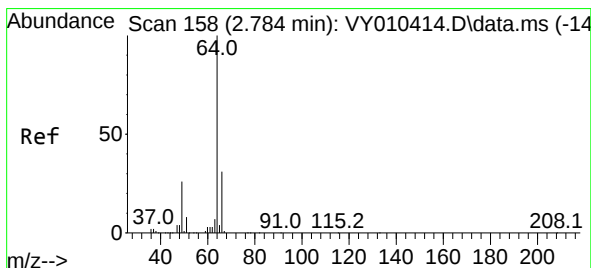
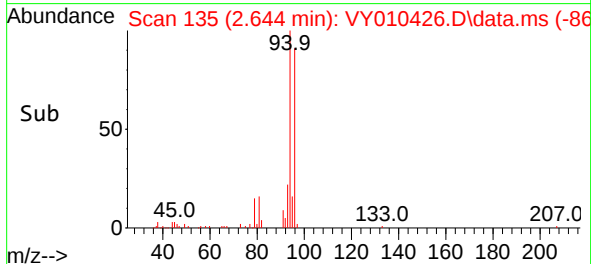
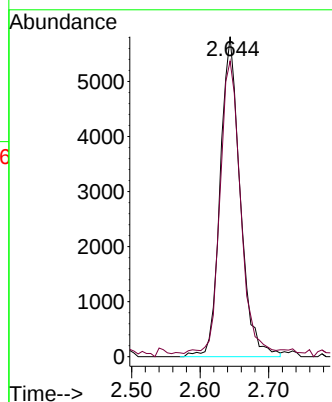
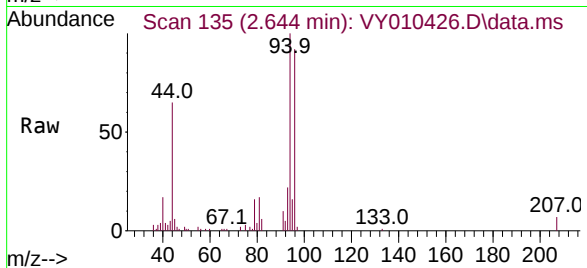




#5
Bromomethane
Concen: 5.034 ug/l
RT: 2.644 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

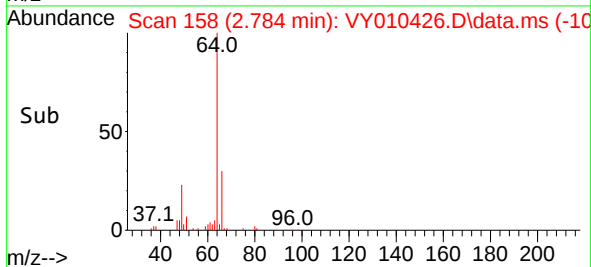
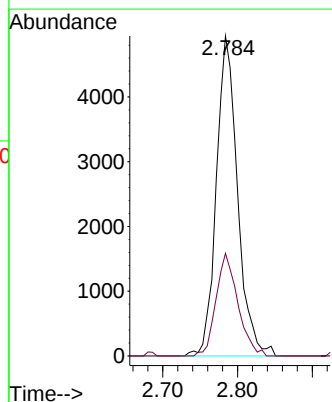
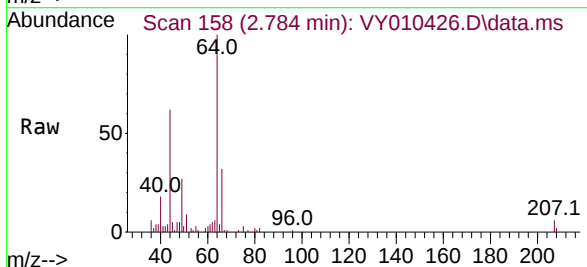
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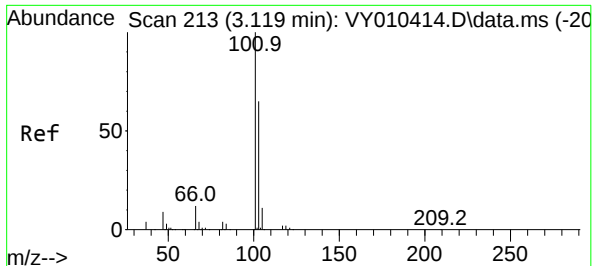
Tgt Ion: 94 Resp: 11772
Ion Ratio Lower Upper
94 100
96 91.2 73.5 110.3



#6
Chloroethane
Concen: 4.372 ug/l
RT: 2.784 min Scan# 158
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 64 Resp: 9762
Ion Ratio Lower Upper
64 100
66 32.1 25.4 38.0

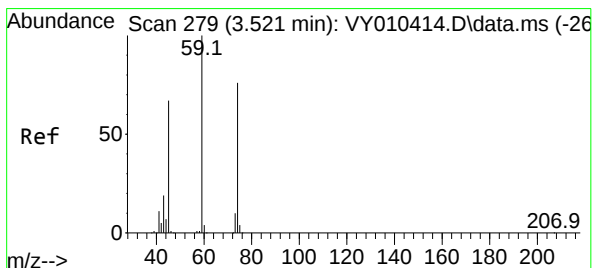
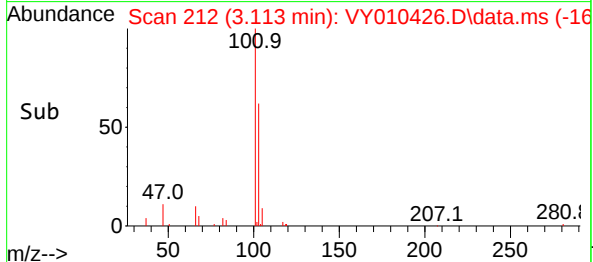
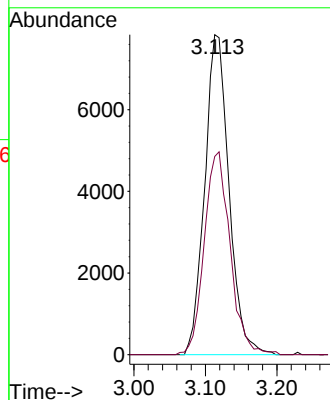
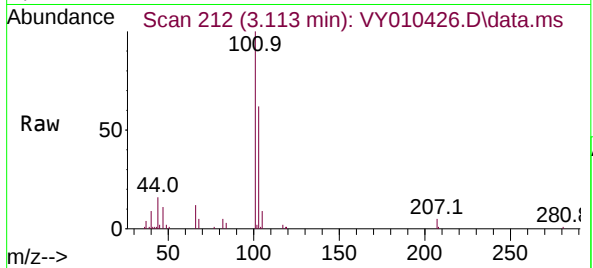




#7
 Trichlorofluoromethane
 Concen: 4.376 ug/l
 RT: 3.113 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VY010426.D
 Acq: 09 Sep 2022 18:31

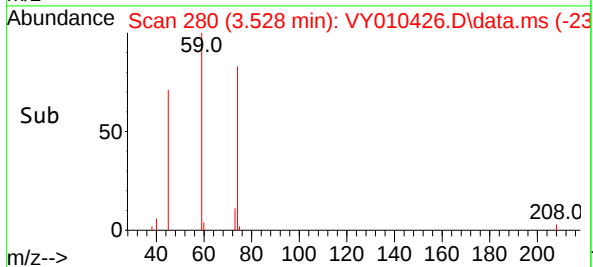
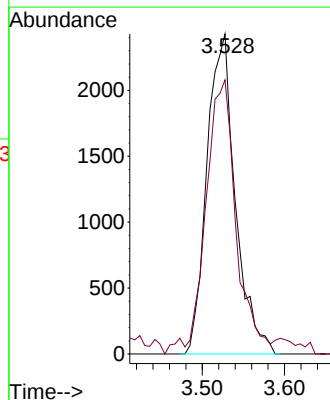
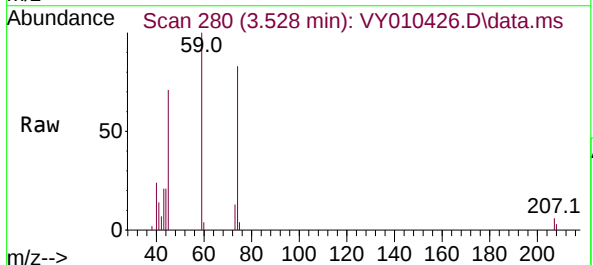
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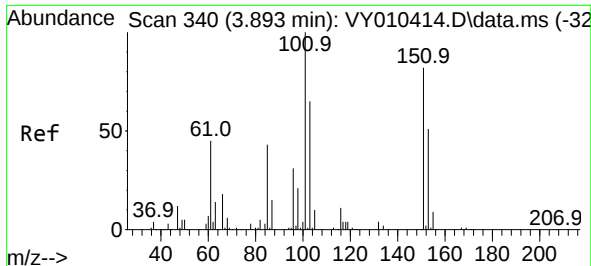
Tgt Ion:101 Resp: 18504
 Ion Ratio Lower Upper
 101 100
 103 61.9 48.0 72.0



#8
 Diethyl Ether
 Concen: 4.247 ug/l
 RT: 3.528 min Scan# 280
 Delta R.T. 0.007 min
 Lab File: VY010426.D
 Acq: 09 Sep 2022 18:31

Tgt Ion: 74 Resp: 5816
 Ion Ratio Lower Upper
 74 100
 45 91.3 55.1 165.5

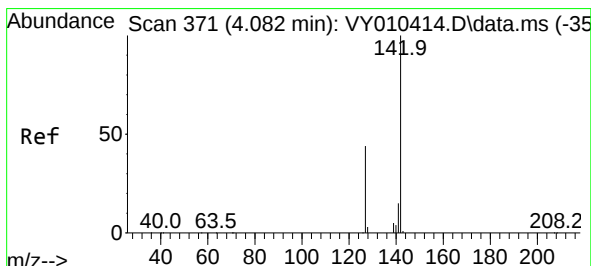
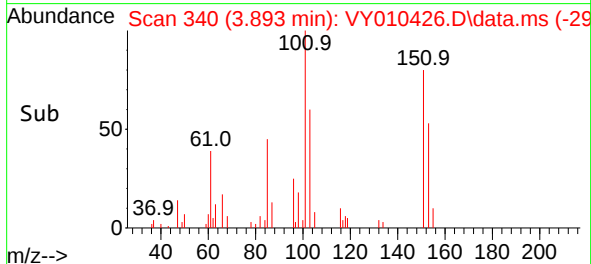
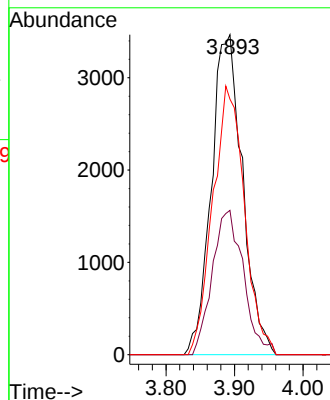
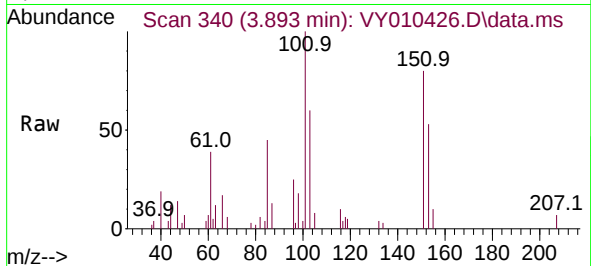




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.414 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY010426.D
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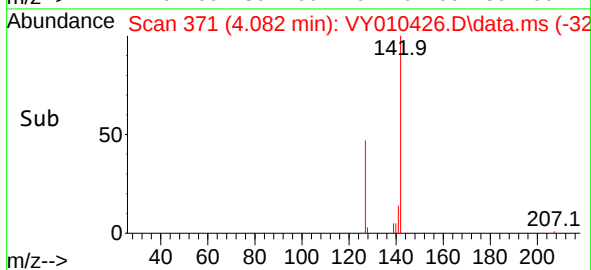
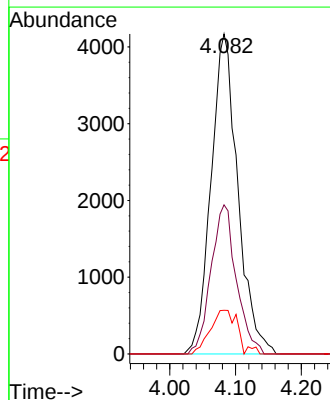
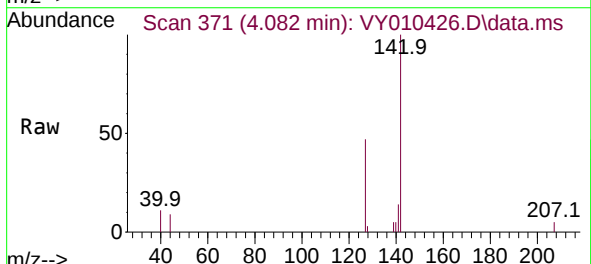
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

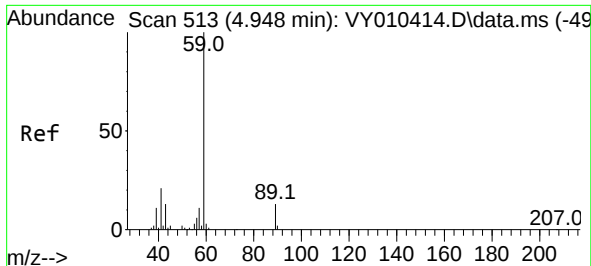
Tgt Ion:	101	Resp:	10928
Ion	Ratio	Lower	Upper
101	100		
85	45.2	40.6	60.8
151	85.0	64.9	97.3



#10
Methyl Iodide
Concen: 3.849 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion:	142	Resp:	11792
Ion	Ratio	Lower	Upper
142	100		
127	44.2	41.5	62.3
141	13.9	11.9	17.9





#11

Tert butyl alcohol

Concen: 16.120 ug/l

RT: 4.918 min Scan# 508

Delta R.T. -0.030 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

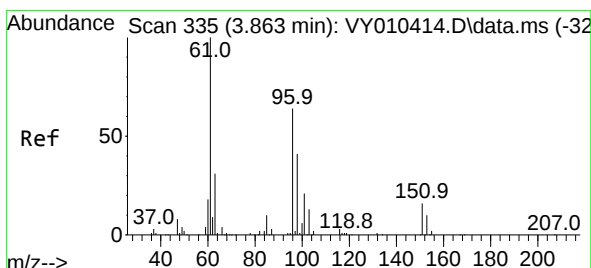
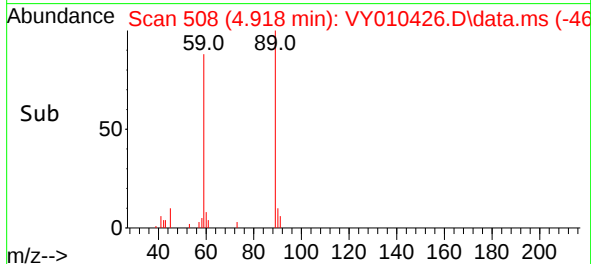
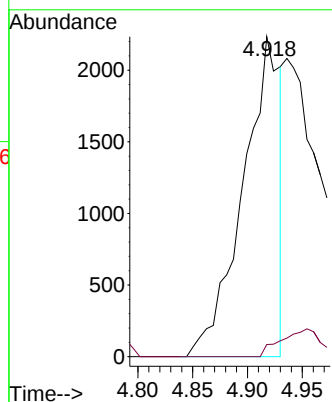
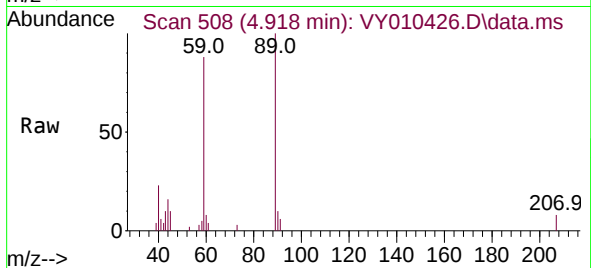
MDL-SOIL-03-QT3-2022

Tgt Ion: 59 Resp: 5281

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#12

1,1-Dichloroethene

Concen: 4.353 ug/l

RT: 3.863 min Scan# 335

Delta R.T. -0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

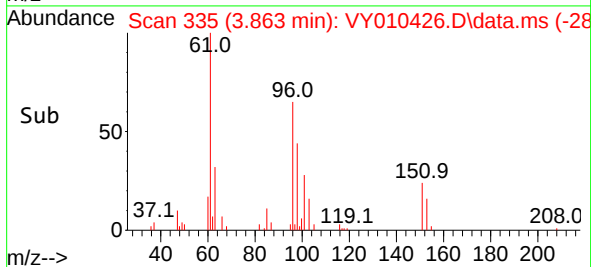
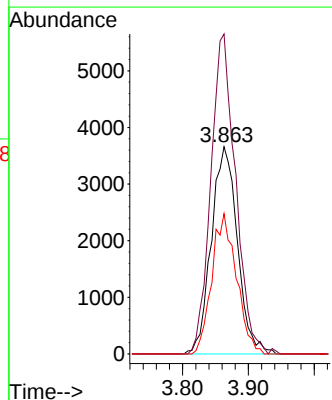
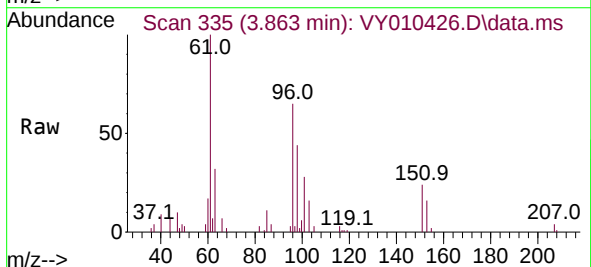
Tgt Ion: 96 Resp: 10110

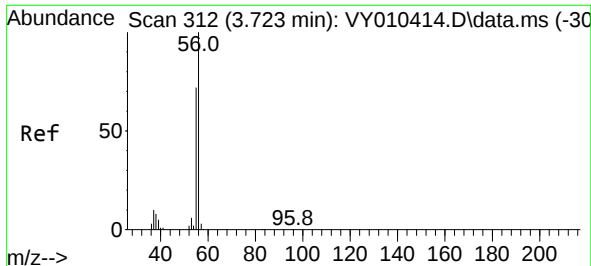
Ion Ratio Lower Upper

96 100

61 154.5 145.8 218.6

98 67.8 52.5 78.7





#13

Acrolein

Concen: 18.726 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

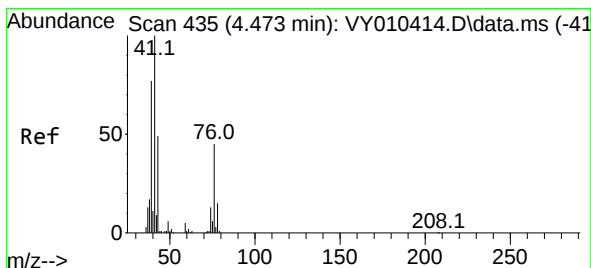
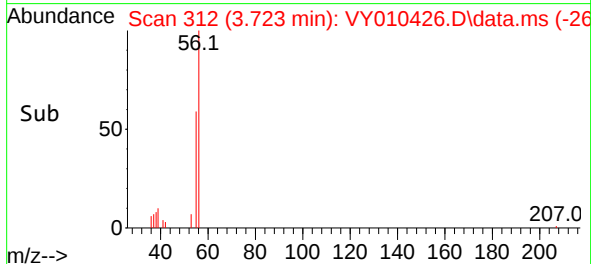
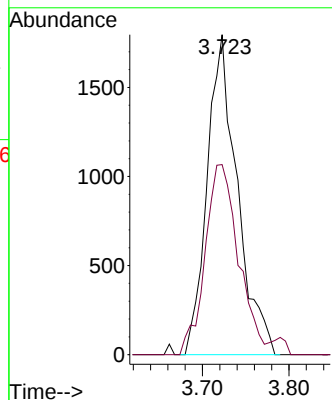
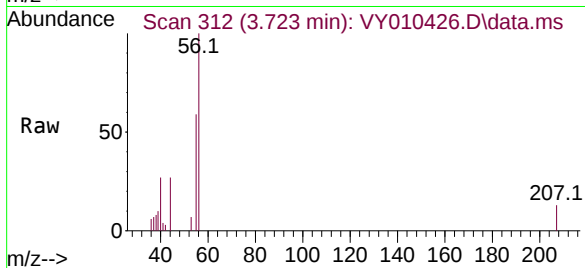
MDL-SOIL-03-QT3-2022

Tgt Ion: 56 Resp: 4333

Ion Ratio Lower Upper

56 100

55 66.4 57.6 86.4



#14

Allyl chloride

Concen: 4.112 ug/l

RT: 4.473 min Scan# 435

Delta R.T. -0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

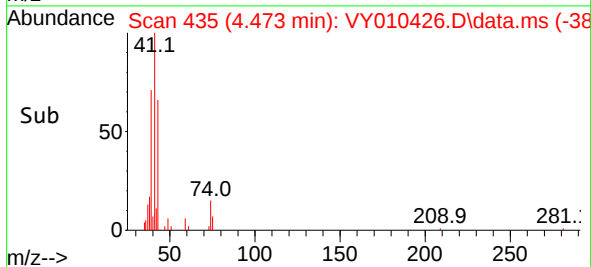
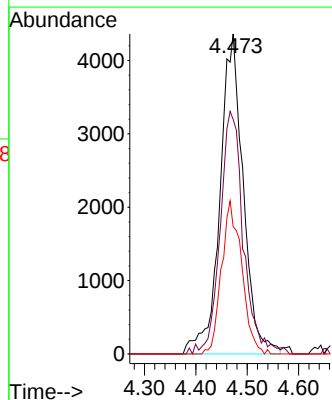
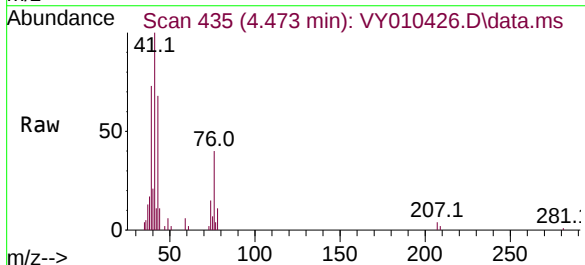
Tgt Ion: 41 Resp: 13750

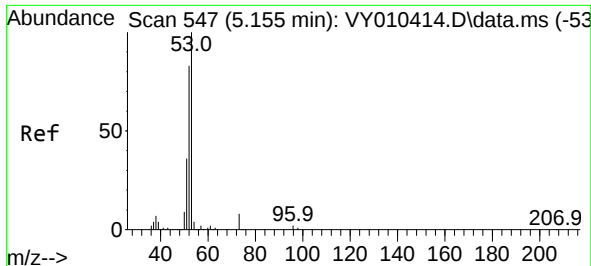
Ion Ratio Lower Upper

41 100

39 75.7 58.8 88.2

76 41.3 25.1 37.7#

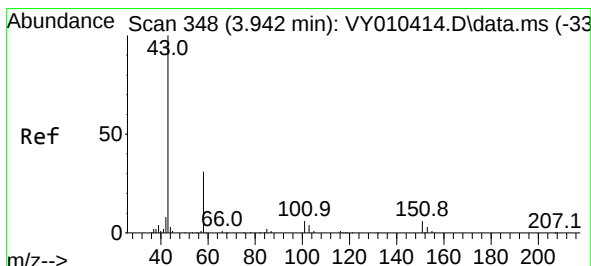
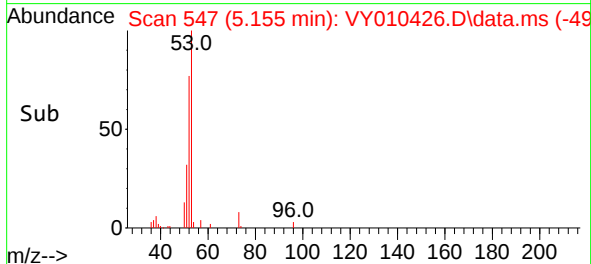
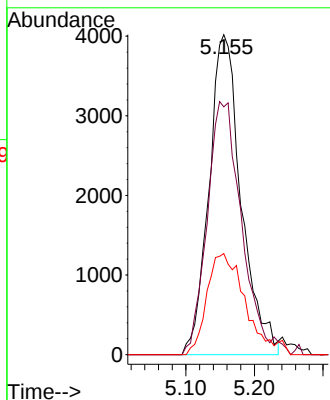
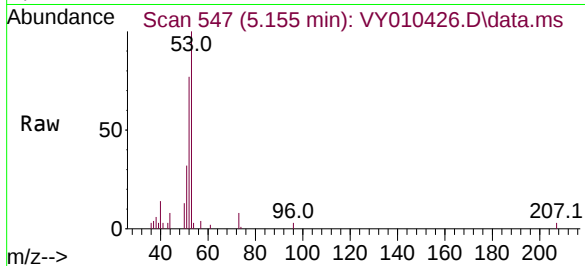




#15
Acrylonitrile
Concen: 19.777 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

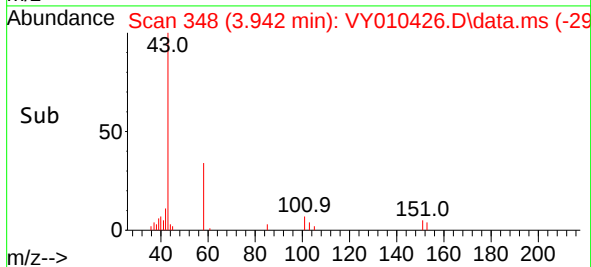
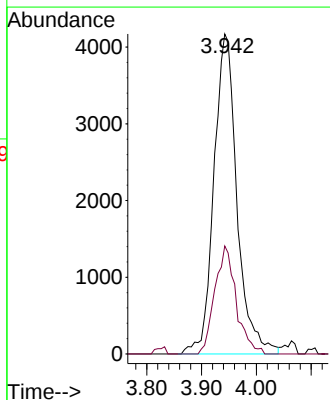
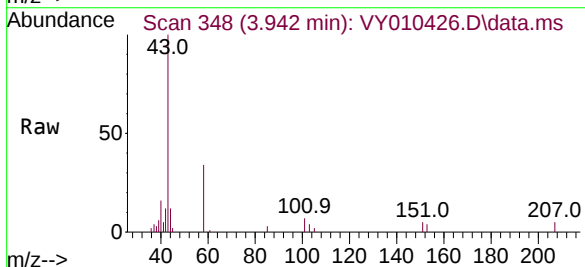
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

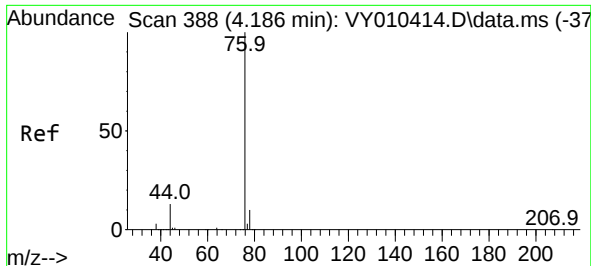
Tgt Ion:	53	Resp:	13110
Ion	Ratio	Lower	Upper
53	100		
52	85.0	67.0	100.4
51	36.7	29.8	44.6



#16
Acetone
Concen: 21.942 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion:	43	Resp:	12213
Ion	Ratio	Lower	Upper
43	100		
58	33.7	22.0	33.0#





#17

Carbon Disulfide

Concen: 4.114 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

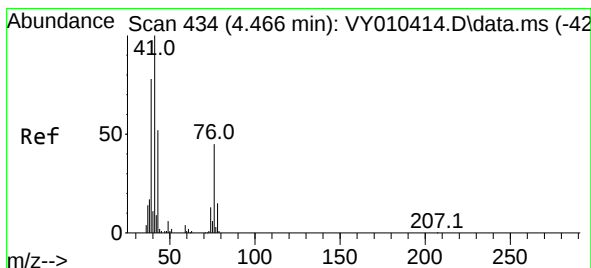
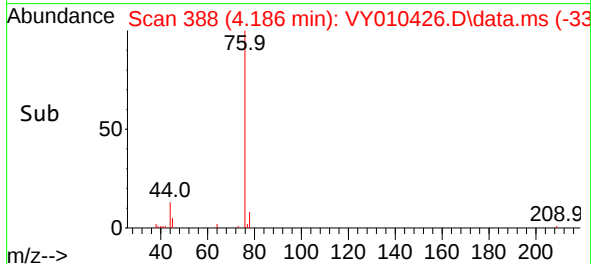
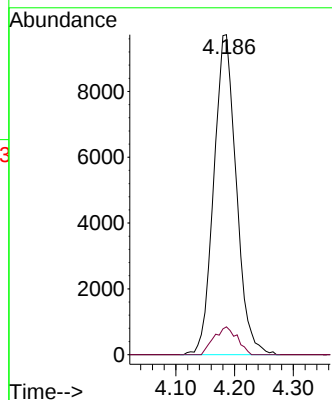
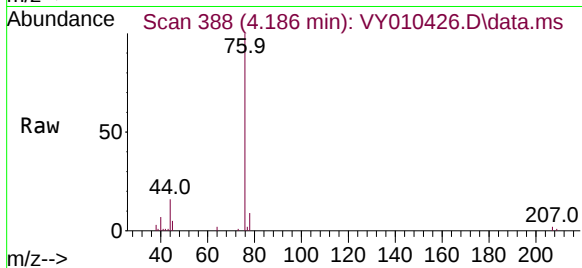
MDL-SOIL-03-QT3-2022

Tgt Ion: 76 Resp: 25836

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



#18

Methyl Acetate

Concen: 5.143 ug/l

RT: 4.473 min Scan# 435

Delta R.T. 0.007 min

Lab File: VY010426.D

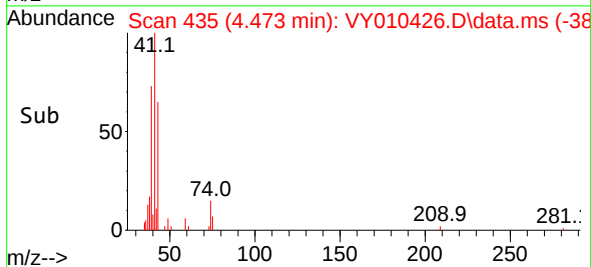
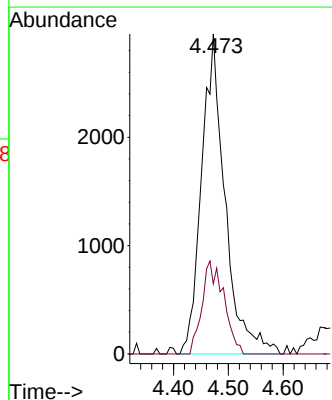
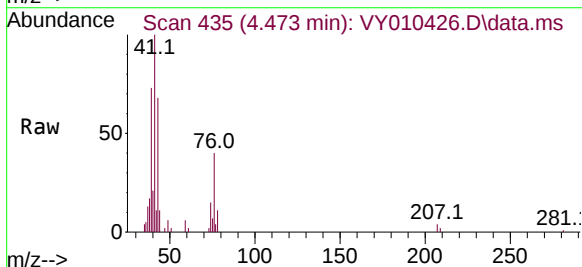
Acq: 09 Sep 2022 18:31

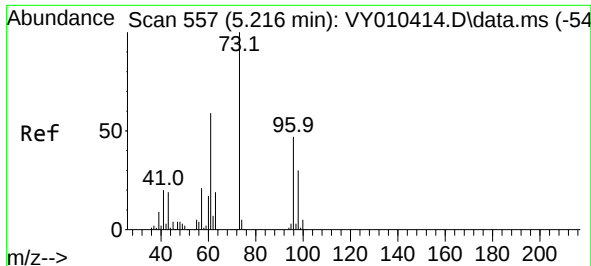
Tgt Ion: 43 Resp: 8806

Ion Ratio Lower Upper

43 100

74 26.8 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 4.117 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

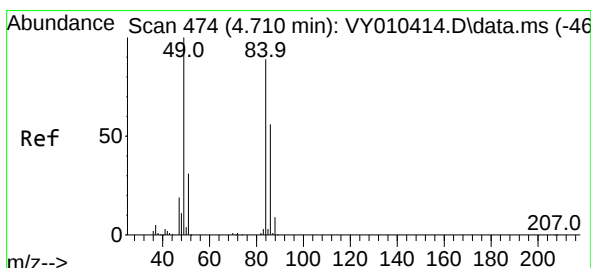
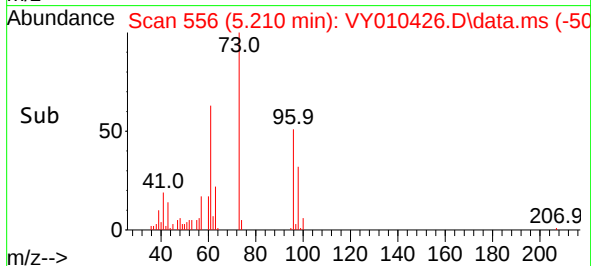
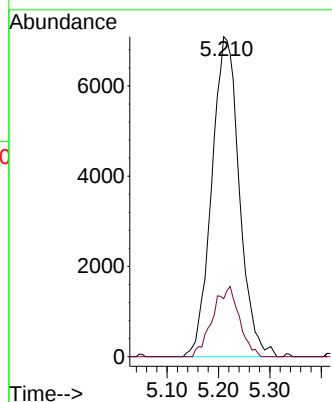
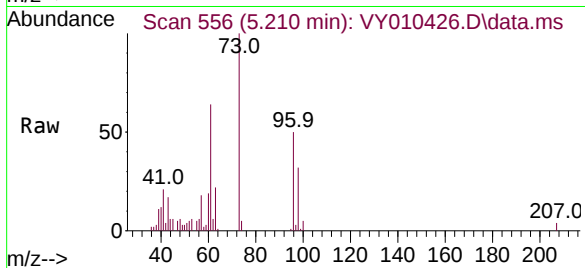
MDL-SOIL-03-QT3-2022

Tgt Ion: 73 Resp: 26407

Ion Ratio Lower Upper

73 100

57 18.1 18.6 27.8#



#20

Methylene Chloride

Concen: 7.488 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Tgt Ion: 84 Resp: 25435

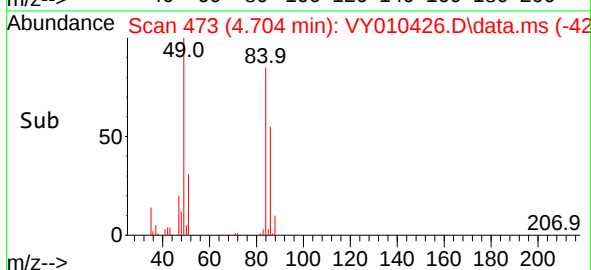
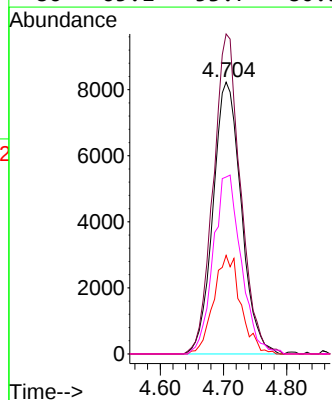
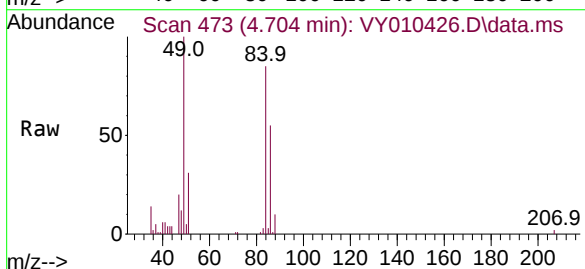
Ion Ratio Lower Upper

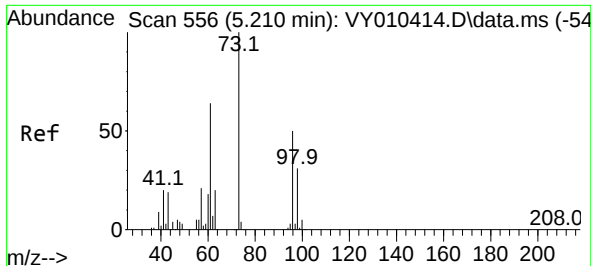
84 100

49 117.7 114.4 171.6

51 36.2 35.3 52.9

86 65.1 53.7 80.5

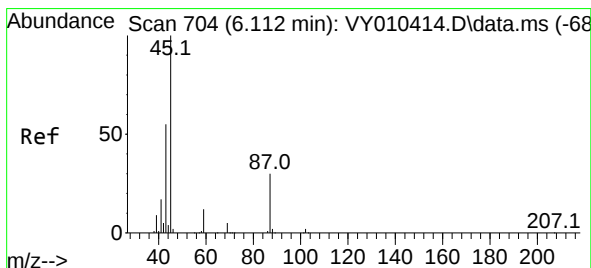
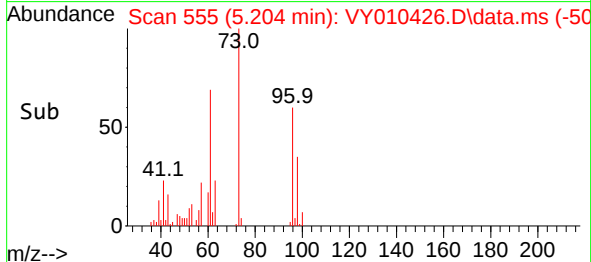
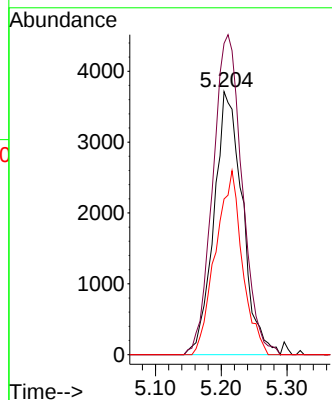
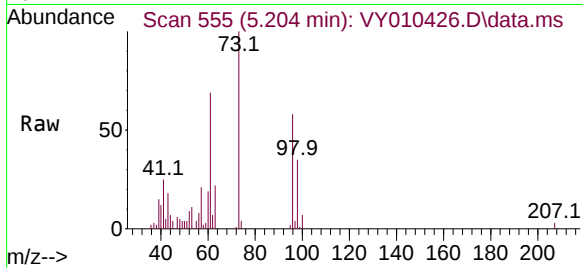




#21
trans-1,2-Dichloroethene
Concen: 4.251 ug/l
RT: 5.204 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

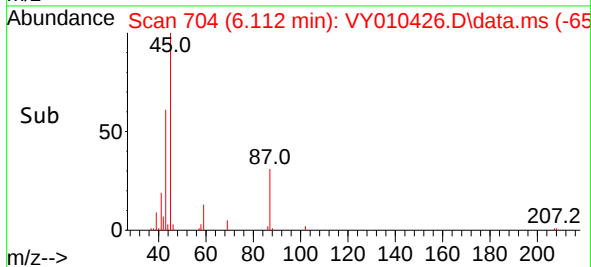
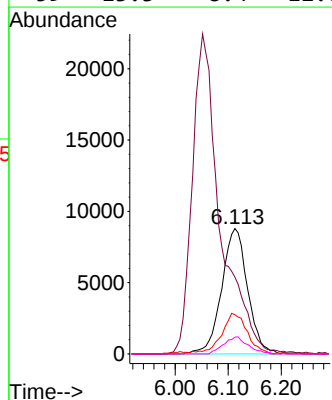
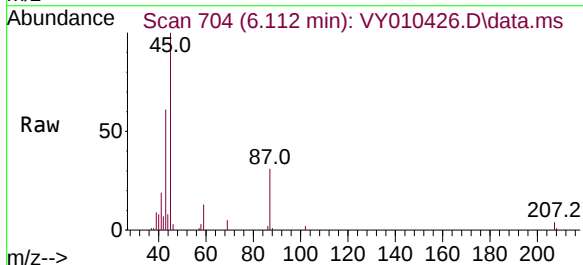
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

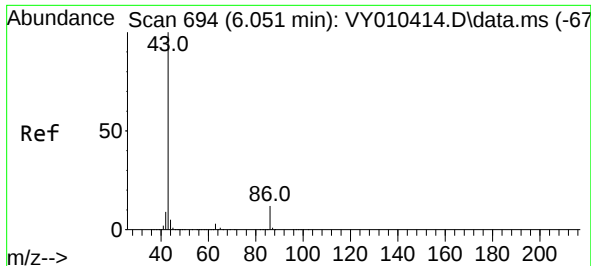
Tgt Ion: 96 Resp: 11209
Ion Ratio Lower Upper
96 100
61 118.3 120.5 180.7#
98 59.2 49.8 74.8



#22
Diisopropyl ether
Concen: 3.994 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 45 Resp: 29821
Ion Ratio Lower Upper
45 100
43 59.4 49.3 73.9
87 30.6 19.2 28.8#
59 13.3 8.4 12.6#

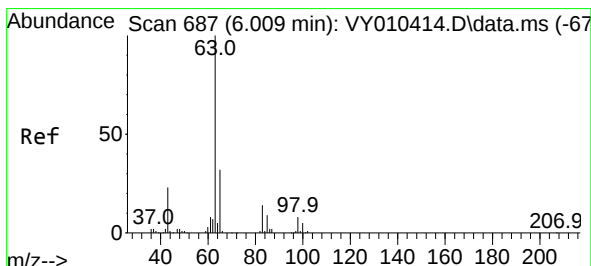
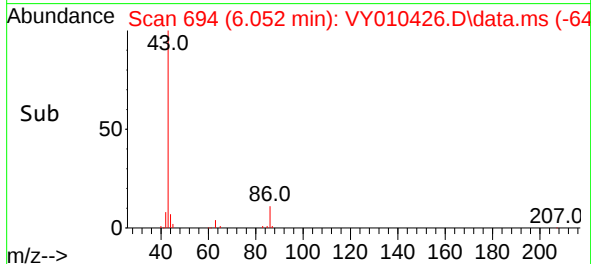
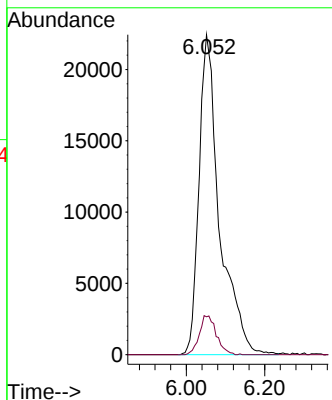
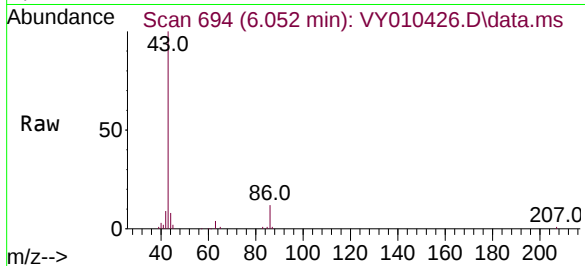




#23
 Vinyl Acetate
 Concen: 17.901 ug/l
 RT: 6.052 min Scan# 694
 Delta R.T. 0.001 min
 Lab File: VY010426.D
 Acq: 09 Sep 2022 18:31

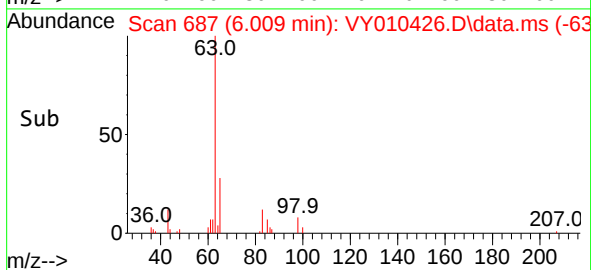
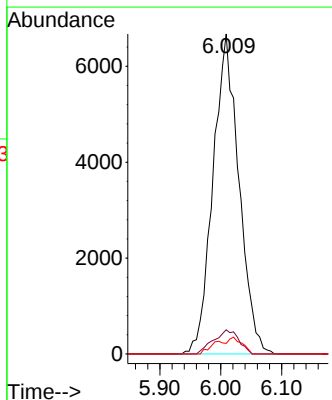
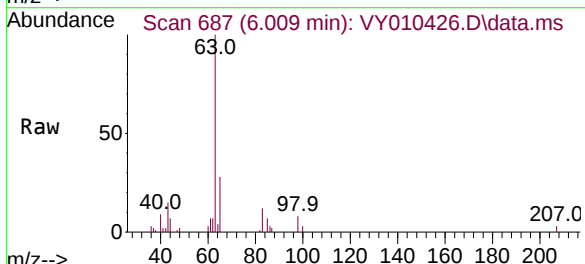
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Tgt Ion: 43 Resp: 81905
 Ion Ratio Lower Upper
 43 100
 86 11.9 7.1 10.7#



#24
 1,1-Dichloroethane
 Concen: 4.366 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY010426.D
 Acq: 09 Sep 2022 18:31

Tgt Ion: 63 Resp: 19733
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.6 10.8
 100 3.3 2.0 5.8

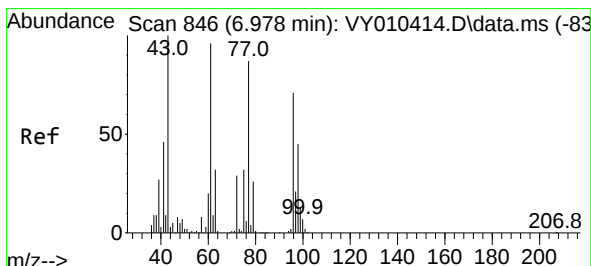
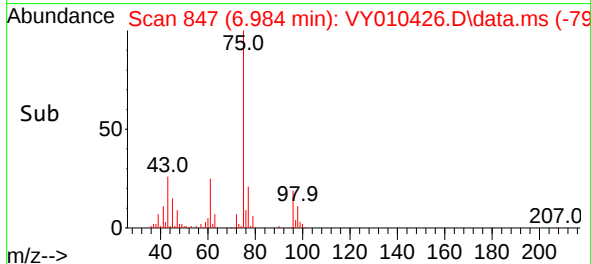
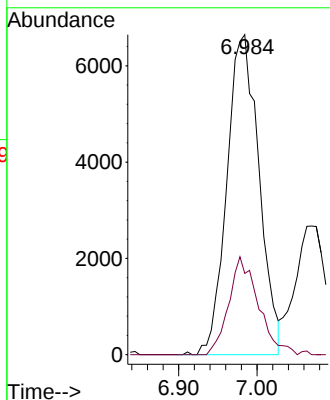
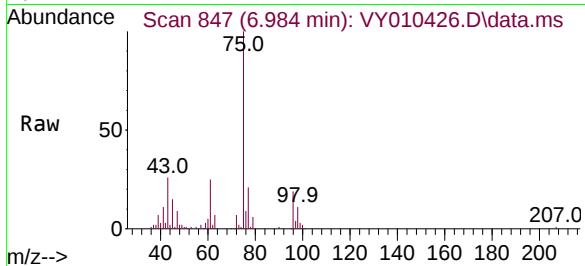




#25
2-Butanone
Concen: 21.431 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

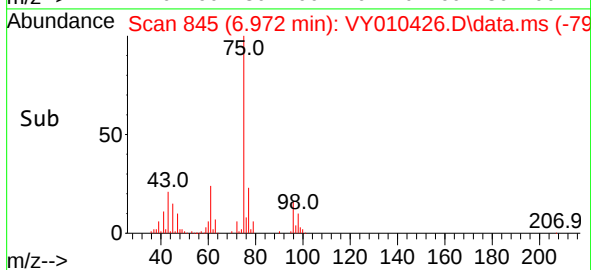
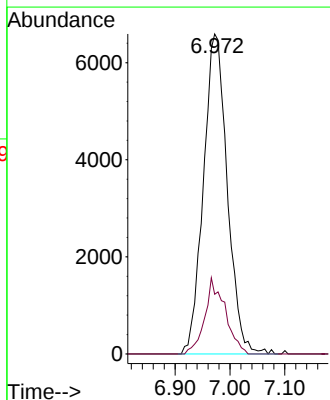
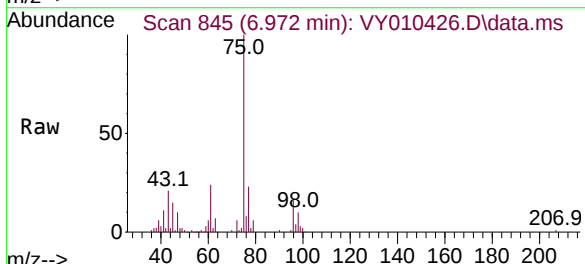
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 43 Resp: 18957
Ion Ratio Lower Upper
43 100
72 25.4 17.7 26.5



#26
2,2-Dichloropropane
Concen: 4.621 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 77 Resp: 19930
Ion Ratio Lower Upper
77 100
97 20.3 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 4.348 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

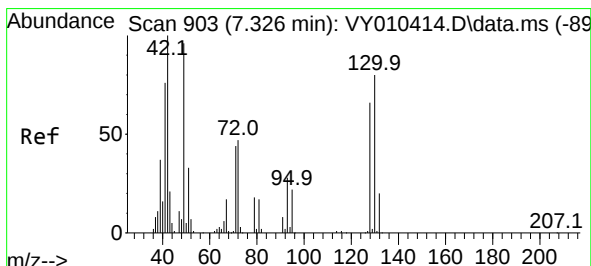
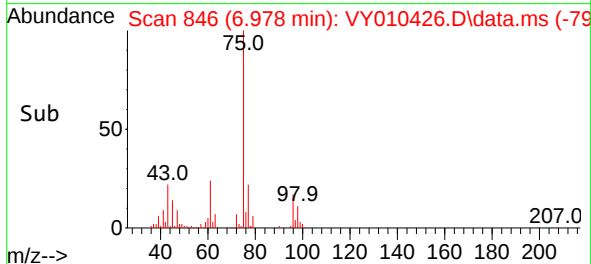
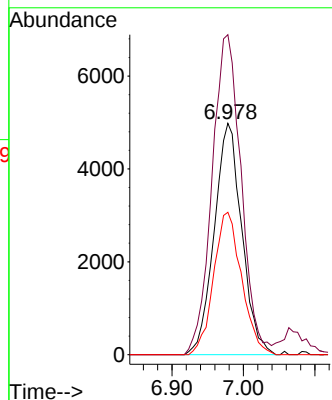
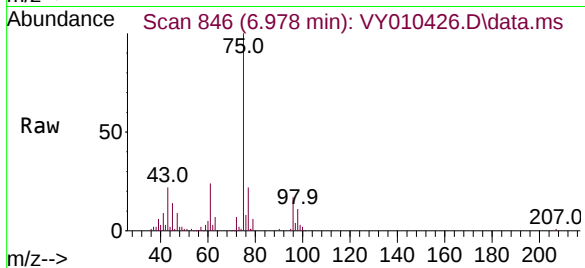
Tgt Ion: 96 Resp: 13328

Ion Ratio Lower Upper

96 100

61 146.1 0.0 319.8

98 62.5 0.0 127.0



#28

Bromochloromethane

Concen: 4.925 ug/l

RT: 7.326 min Scan# 903

Delta R.T. -0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

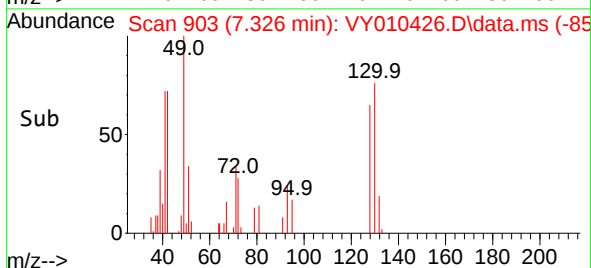
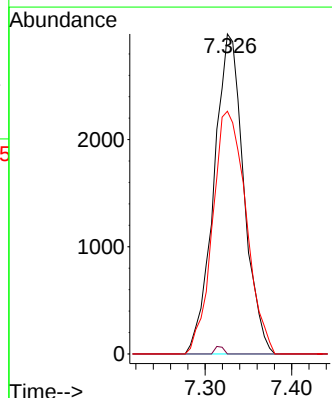
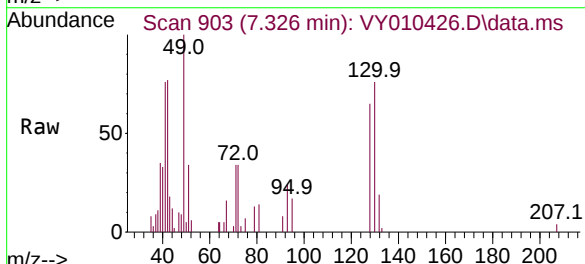
Tgt Ion: 49 Resp: 7137

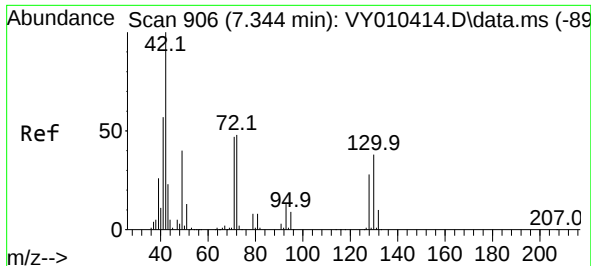
Ion Ratio Lower Upper

49 100

129 0.7 0.0 2.2

130 85.3 55.4 83.0#





#29

Tetrahydrofuran

Concen: 19.631 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

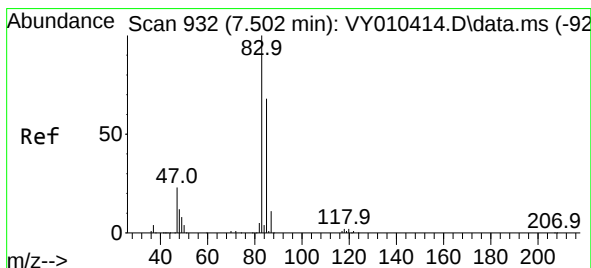
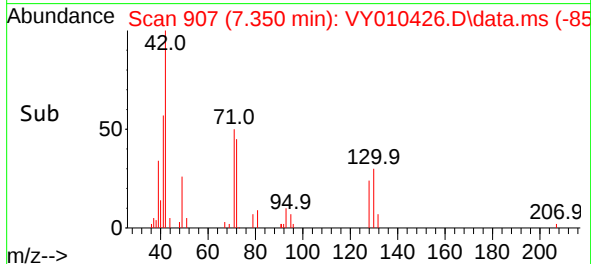
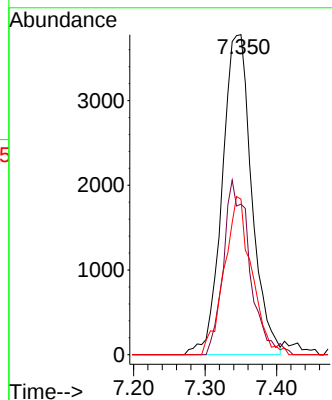
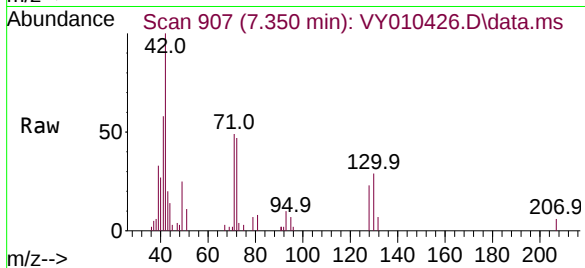
Tgt Ion: 42 Resp: 10838

Ion Ratio Lower Upper

42 100

72 48.5 30.3 45.5#

71 45.9 29.0 43.4#



#30

Chloroform

Concen: 4.446 ug/l

RT: 7.503 min Scan# 932

Delta R.T. 0.001 min

Lab File: VY010426.D

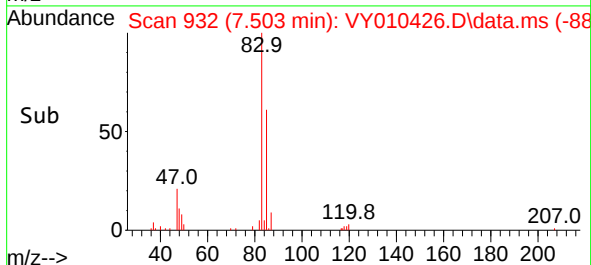
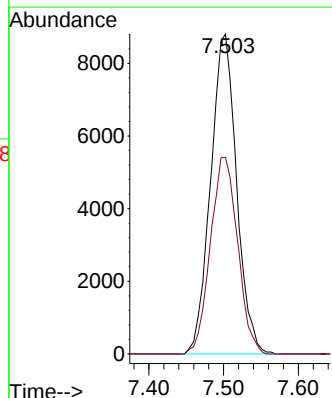
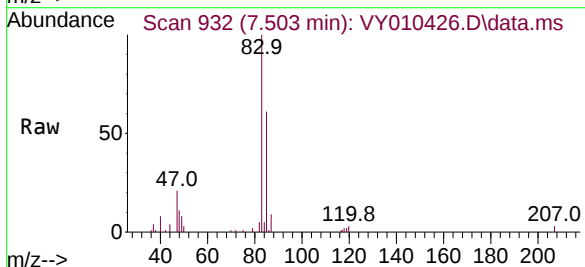
Acq: 09 Sep 2022 18:31

Tgt Ion: 83 Resp: 21316

Ion Ratio Lower Upper

83 100

85 61.4 51.8 77.6

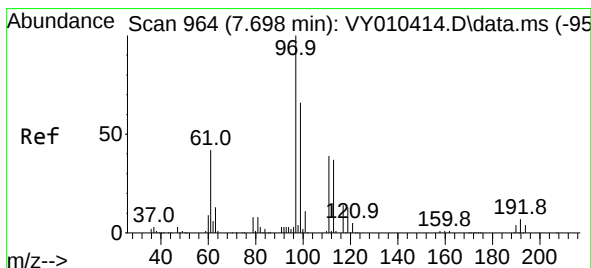
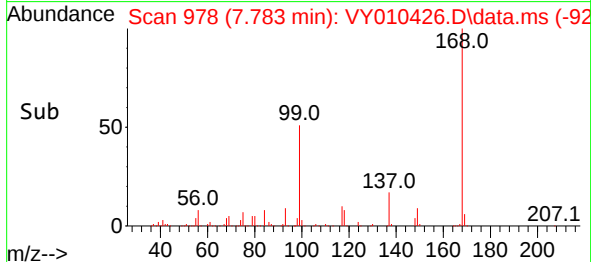
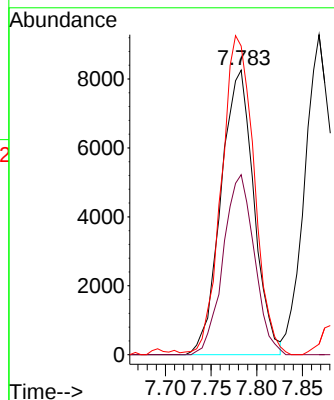
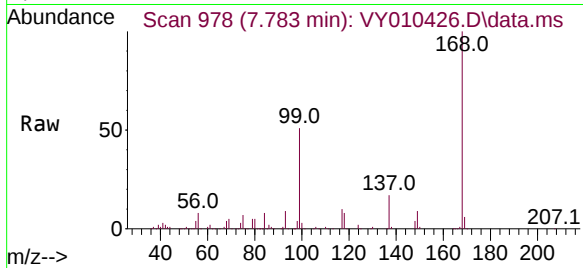




#31
Cyclohexane
Concen: 5.052 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

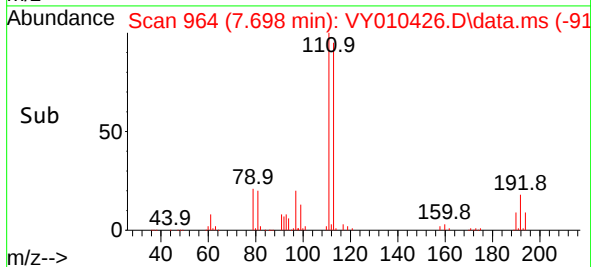
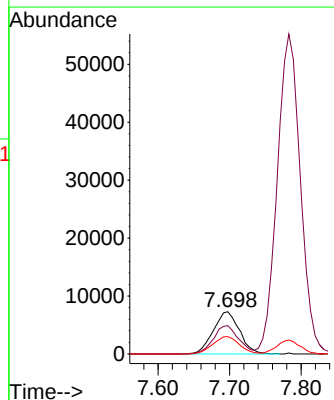
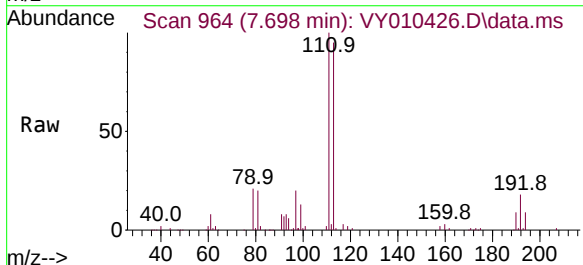
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

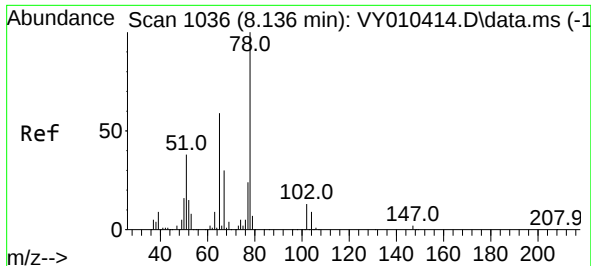
Tgt Ion: 56 Resp: 20700
Ion Ratio Lower Upper
56 100
69 63.3 26.7 40.1#
84 107.8 67.2 100.8#



#32
1,1,1-Trichloroethane
Concen: 4.265 ug/l
RT: 7.698 min Scan# 964
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 97 Resp: 18518
Ion Ratio Lower Upper
97 100
99 64.9 50.7 76.1
61 42.0 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 49.969 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

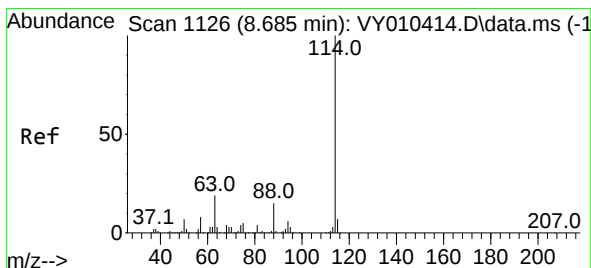
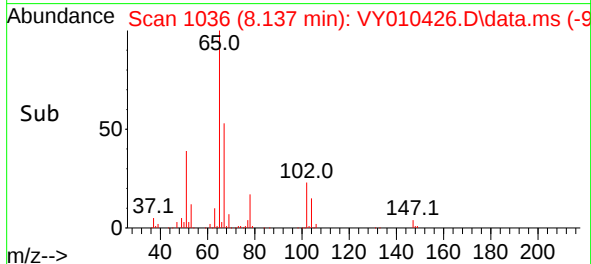
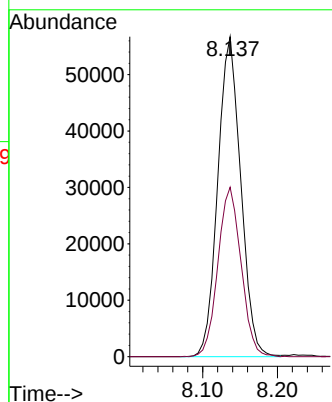
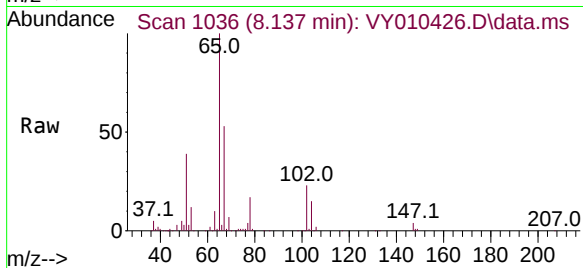
MDL-SOIL-03-QT3-2022

Tgt Ion: 65 Resp: 121195

Ion Ratio Lower Upper

65 100

67 53.4 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: VY010426.D

Acq: 09 Sep 2022 18:31

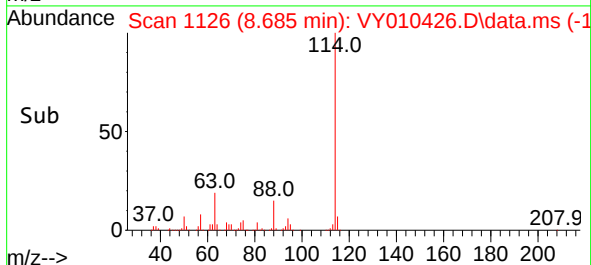
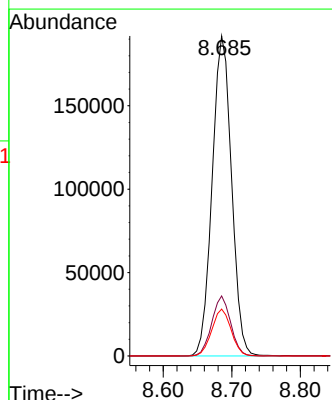
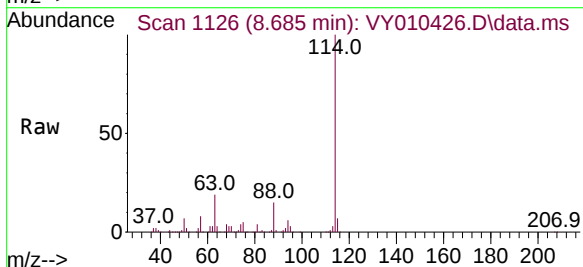
Tgt Ion: 114 Resp: 375810

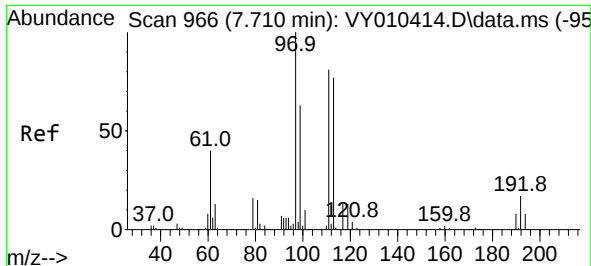
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.7 0.0 31.8

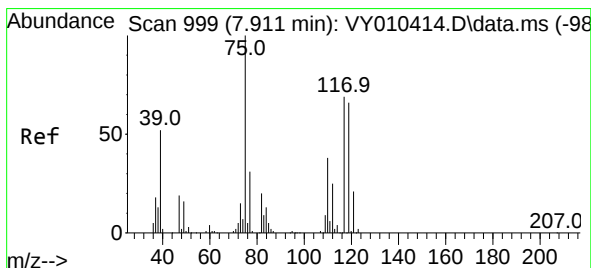
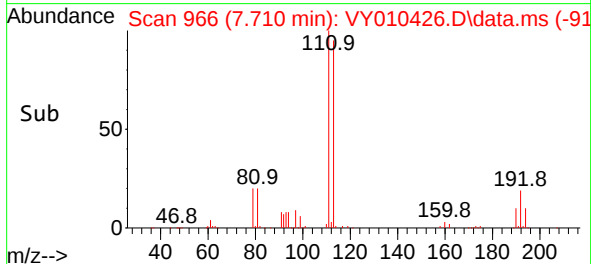
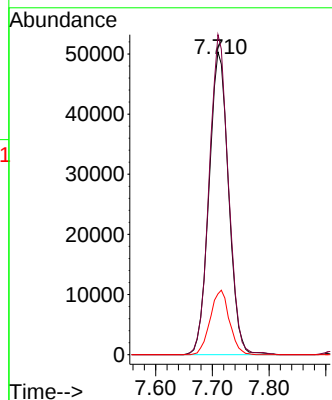
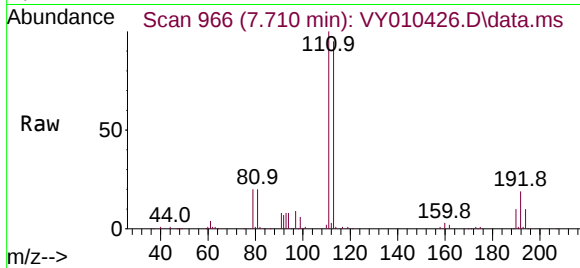




#35
Dibromofluoromethane
Concen: 45.172 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

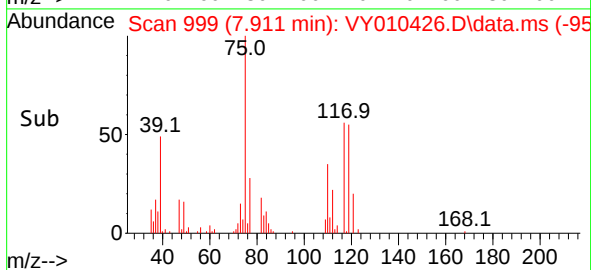
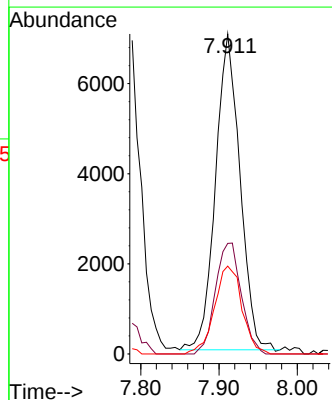
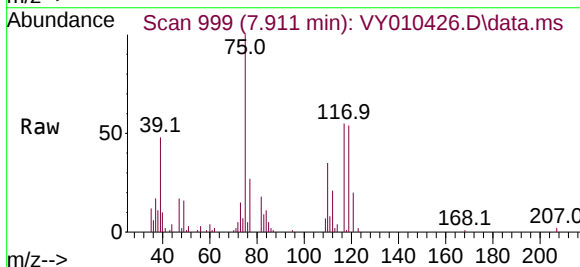
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

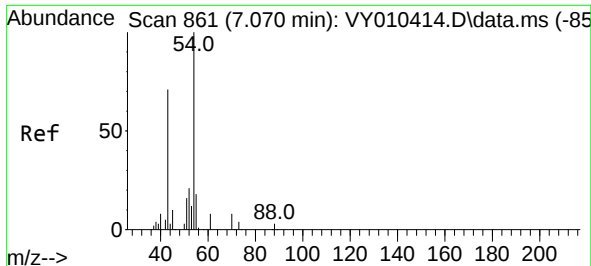
Tgt Ion:113 Resp: 120566
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 20.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.167 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 75 Resp: 15227
Ion Ratio Lower Upper
75 100
110 37.1 17.1 51.2
77 31.2 24.4 36.6

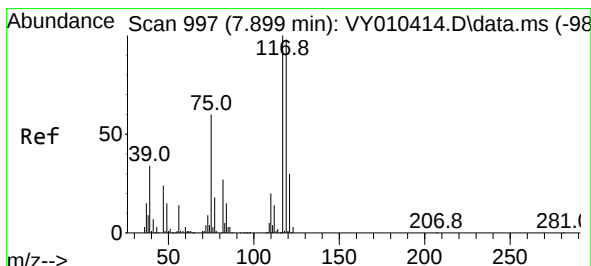
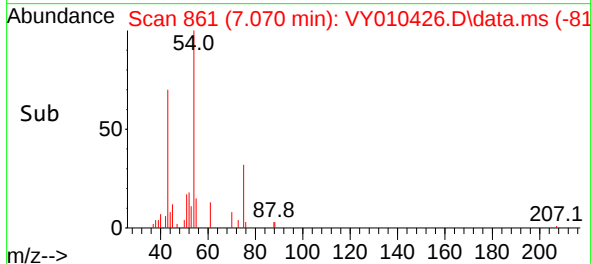
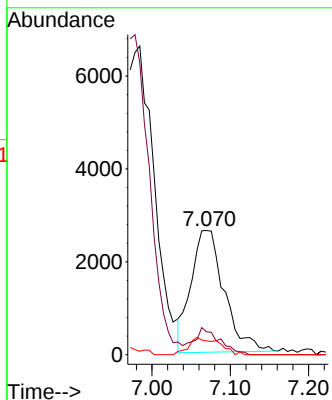
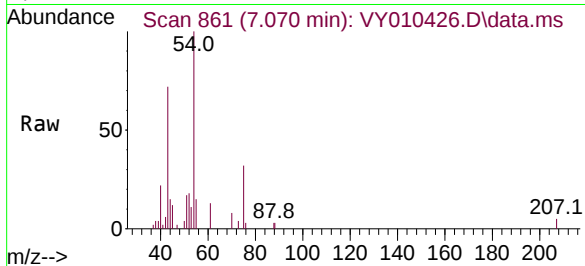




#37
Ethyl Acetate
Concen: 4.036 ug/l
RT: 7.070 min Scan# 861
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

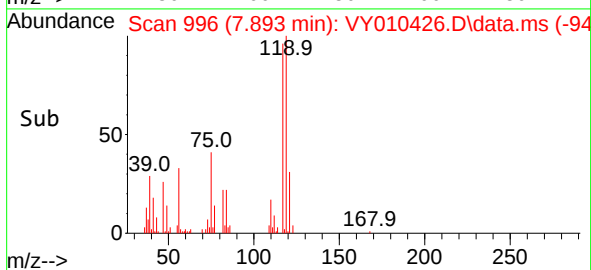
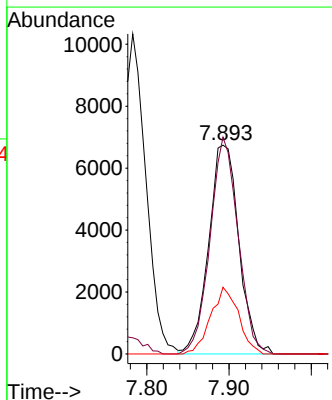
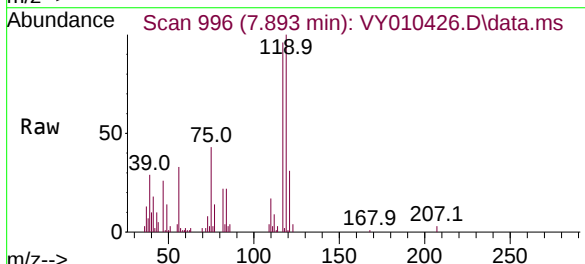
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

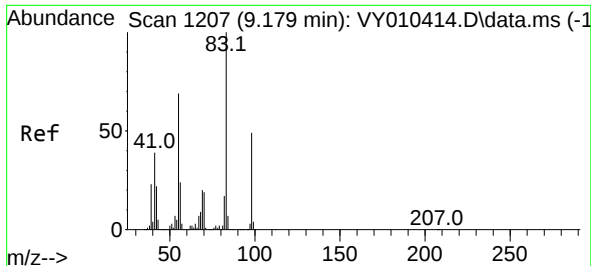
Tgt Ion: 43 Resp: 7753
Ion Ratio Lower Upper
43 100
61 17.1 9.7 14.5#
70 12.7 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.240 ug/l
RT: 7.893 min Scan# 996
Delta R.T. -0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 117 Resp: 17236
Ion Ratio Lower Upper
117 100
119 103.8 77.9 116.9
121 32.0 24.8 37.2





#39

Methylcyclohexane

Concen: 4.203 ug/l

RT: 9.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

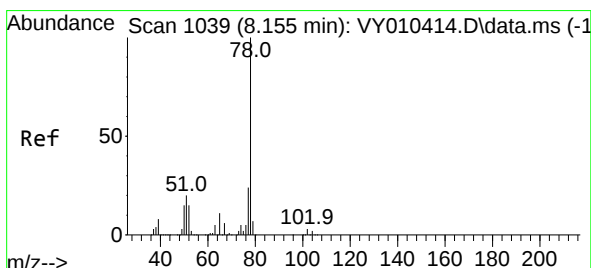
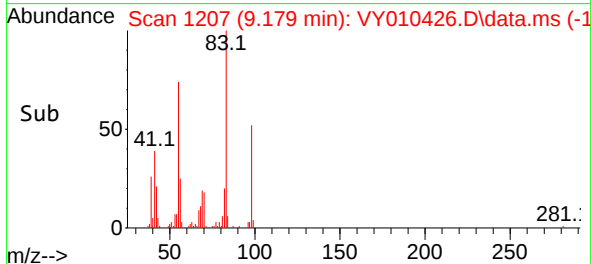
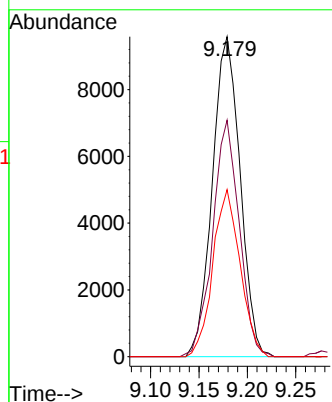
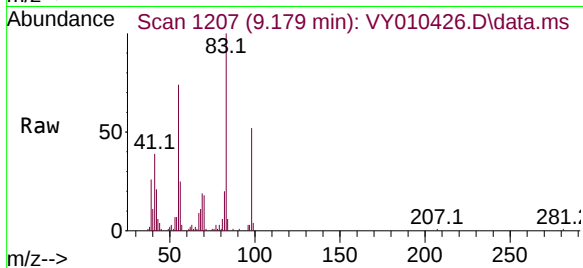
Tgt Ion: 83 Resp: 19151

Ion Ratio Lower Upper

83 100

55 73.9 66.5 99.7

98 52.2 37.9 56.9



#40

Benzene

Concen: 4.233 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY010426.D

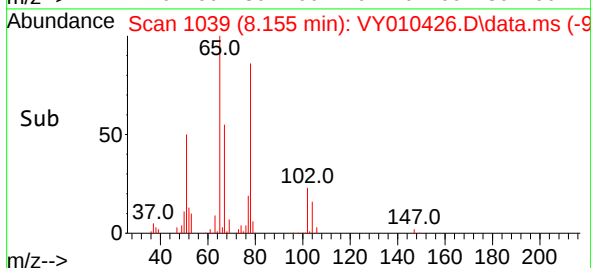
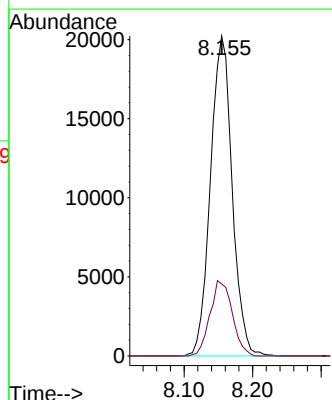
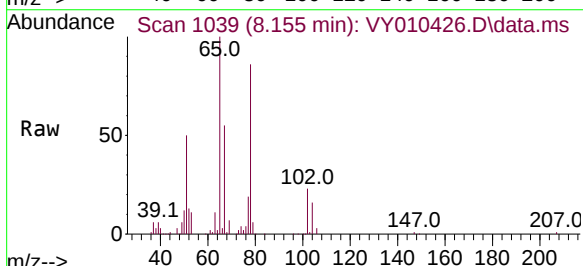
Acq: 09 Sep 2022 18:31

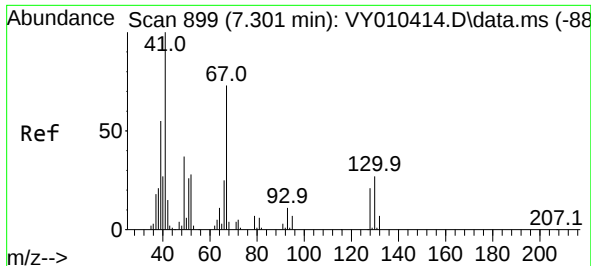
Tgt Ion: 78 Resp: 44522

Ion Ratio Lower Upper

78 100

77 22.5 20.4 30.6

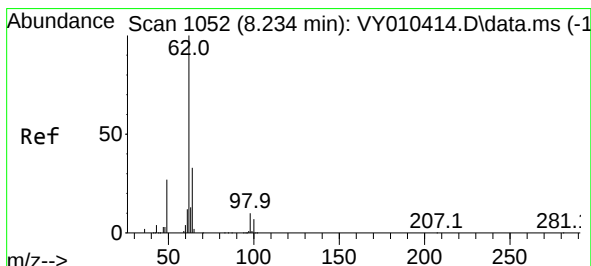
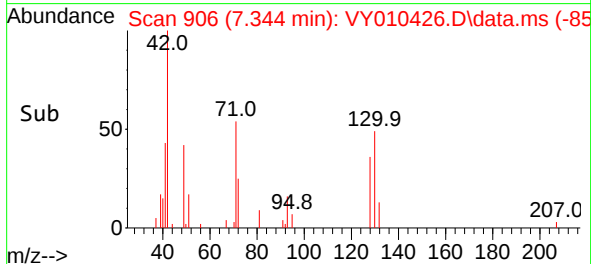
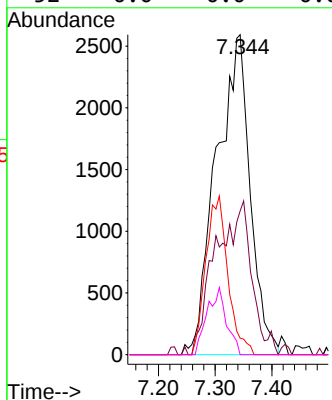
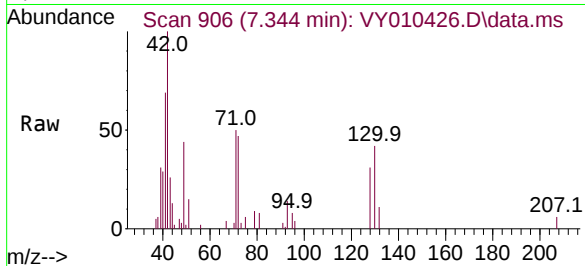




#41
Methacrylonitrile
Concen: 9.746 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.043 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

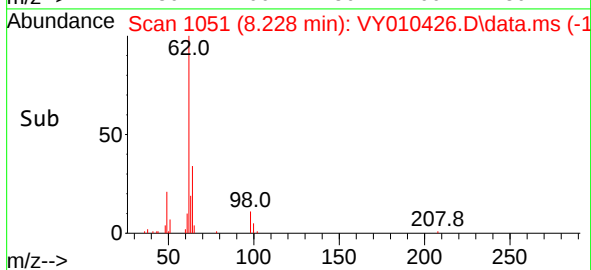
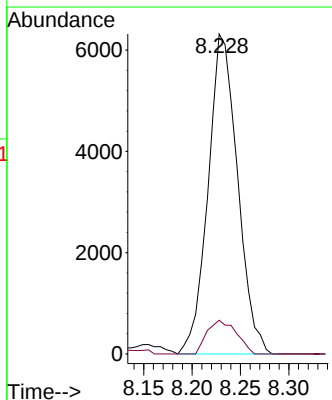
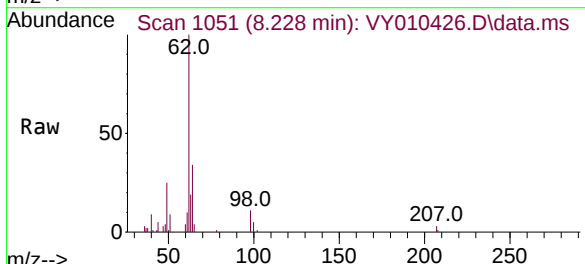
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

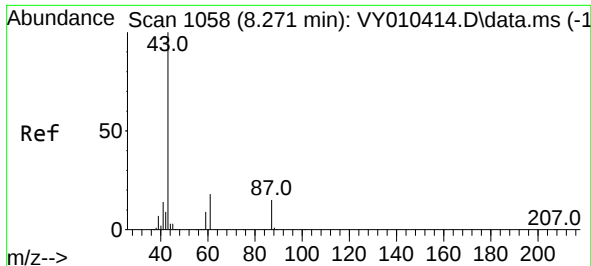
Tgt Ion: 41 Resp: 10702
Ion Ratio Lower Upper
41 100
39 51.2 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 4.281 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 62 Resp: 13391
Ion Ratio Lower Upper
62 100
98 10.5 0.0 14.8





#43

Isopropyl Acetate

Concen: 3.706 ug/l

RT: 8.265 min Scan# 11057

Delta R.T. -0.006 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

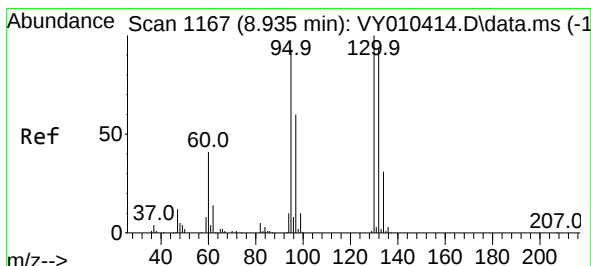
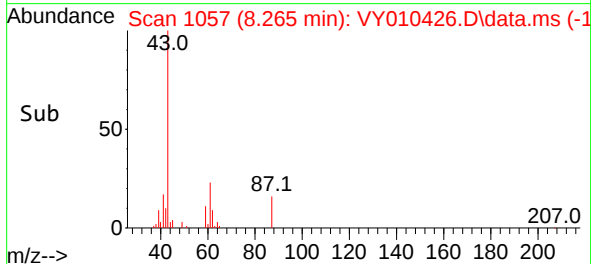
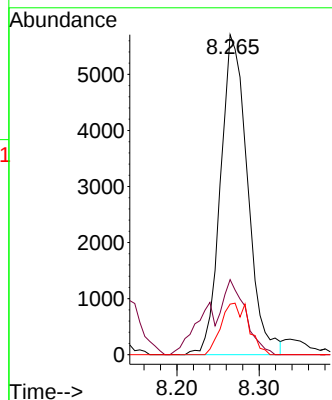
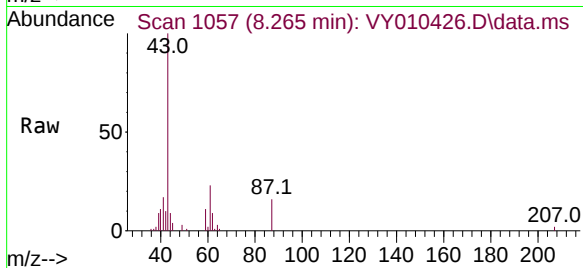
Tgt Ion: 43 Resp: 13027

Ion Ratio Lower Upper

43 100

61 20.4 20.2 30.2

87 16.6 8.9 13.3#



#44

Trichloroethene

Concen: 4.319 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VY010426.D

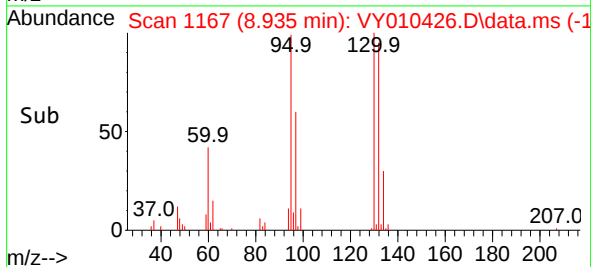
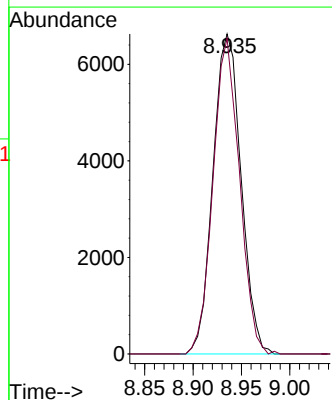
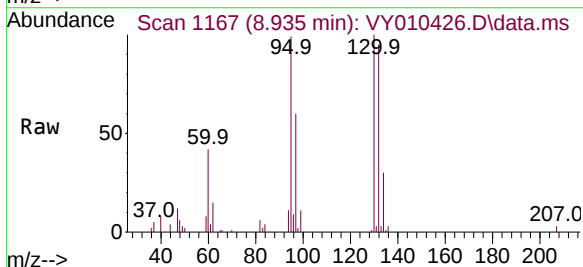
Acq: 09 Sep 2022 18:31

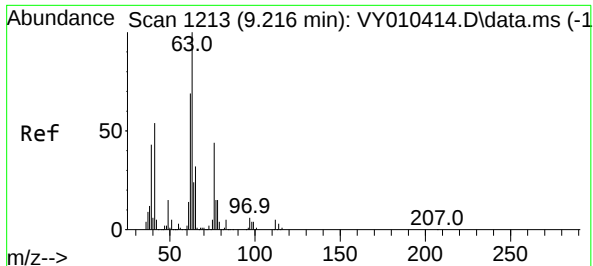
Tgt Ion:130 Resp: 13372

Ion Ratio Lower Upper

130 100

95 98.6 0.0 188.2





#45

1,2-Dichloropropane

Concen: 4.177 ug/l

RT: 9.210 min Scan# 1213

Delta R.T. -0.006 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

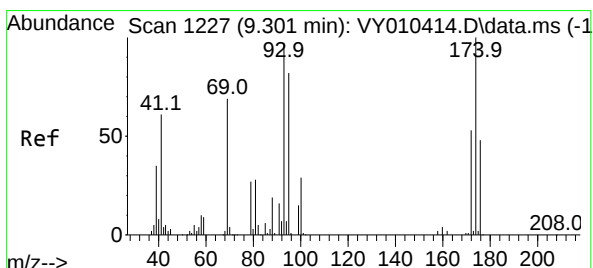
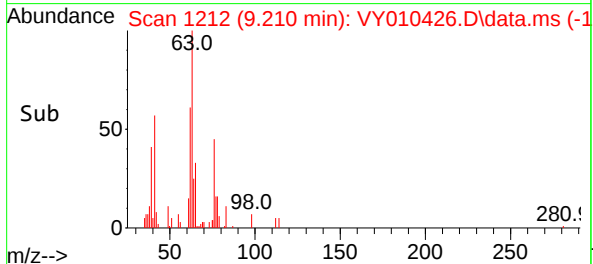
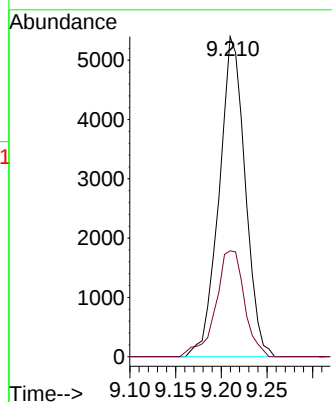
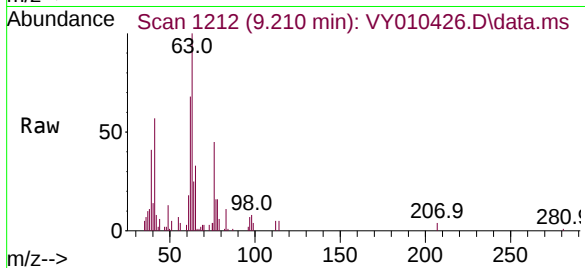
MDL-SOIL-03-QT3-2022

Tgt Ion: 63 Resp: 10715

Ion Ratio Lower Upper

63 100

65 33.1 23.0 34.6



#46

Dibromomethane

Concen: 4.266 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

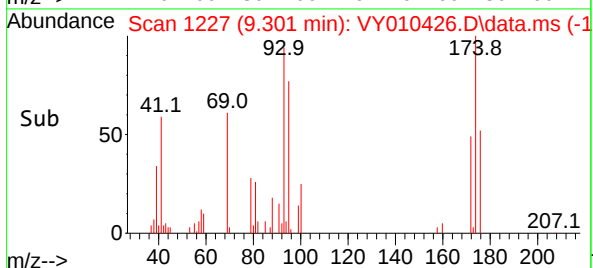
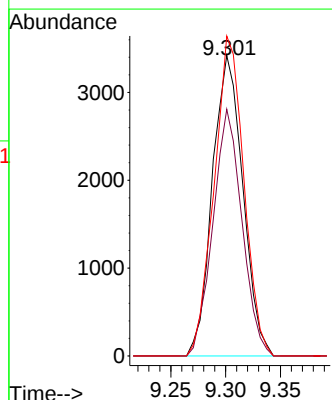
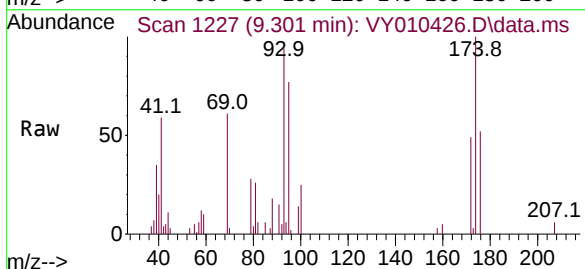
Tgt Ion: 93 Resp: 6599

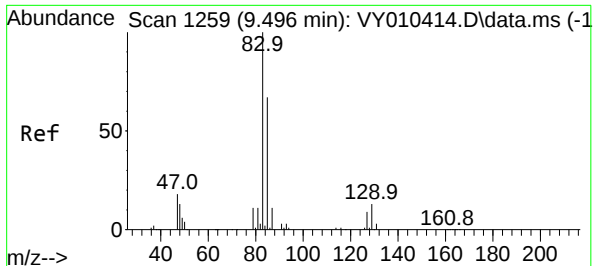
Ion Ratio Lower Upper

93 100

95 78.3 64.3 96.5

174 104.0 83.4 125.0





#47

Bromodichloromethane

Concen: 4.145 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

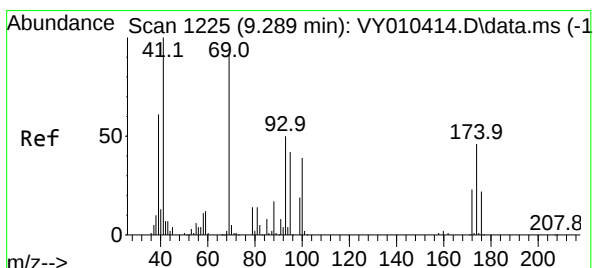
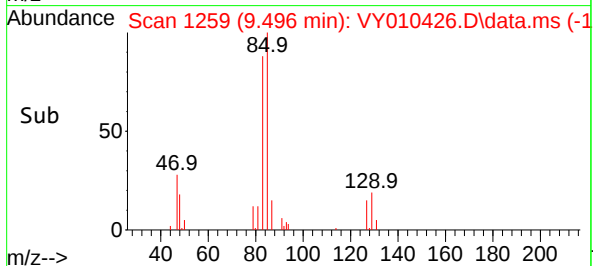
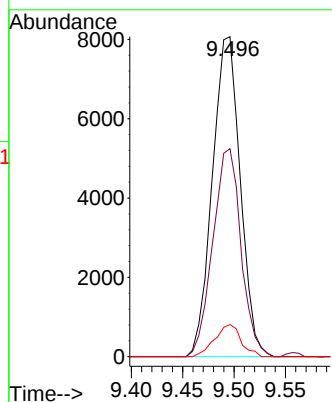
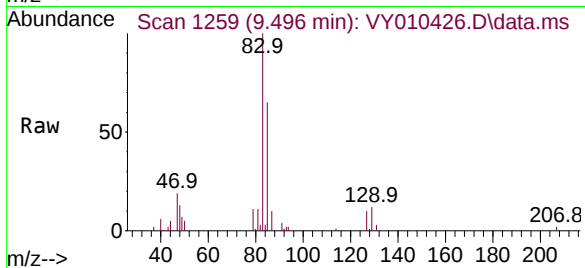
Tgt Ion: 83 Resp: 15230

Ion Ratio Lower Upper

83 100

85 65.0 51.9 77.9

127 10.1 6.6 10.0#



#48

Methyl methacrylate

Concen: 3.449 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

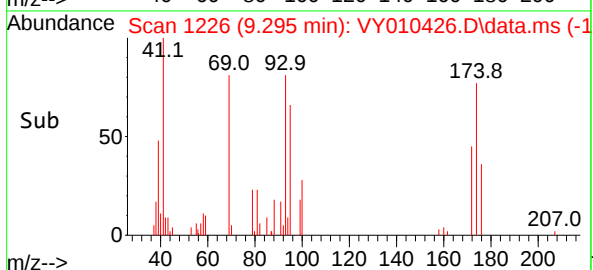
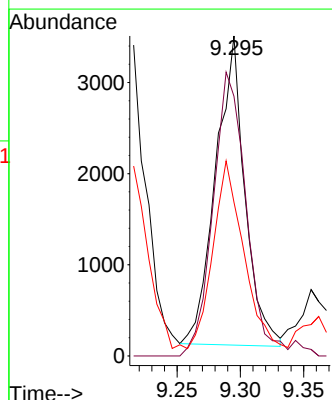
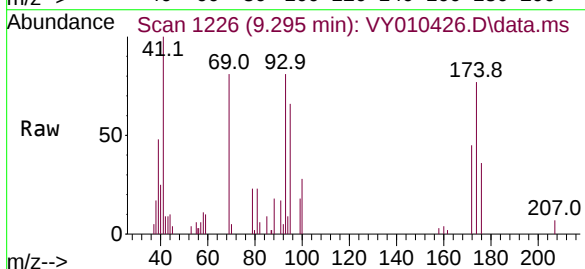
Tgt Ion: 41 Resp: 5445

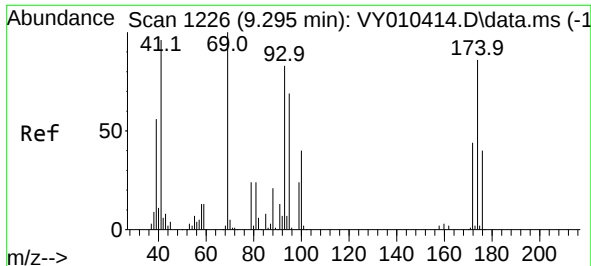
Ion Ratio Lower Upper

41 100

69 103.7 58.2 87.2#

39 64.7 47.4 71.0





#49

1,4-Dioxane

Concen: 70.953 ug/l

RT: 9.295 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010426.D

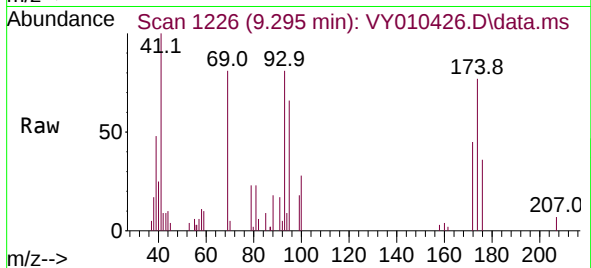
Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022



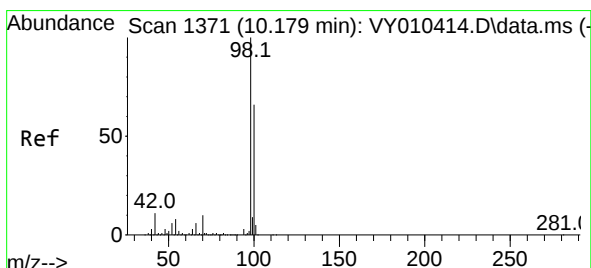
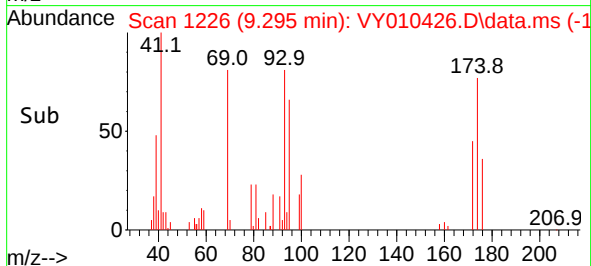
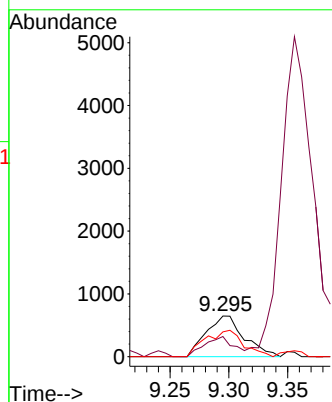
Tgt Ion: 88 Resp: 1453

Ion Ratio Lower Upper

88 100

43 38.2 32.8 49.2

58 65.1 59.8 89.6



#50

Toluene-d8

Concen: 52.086 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010426.D

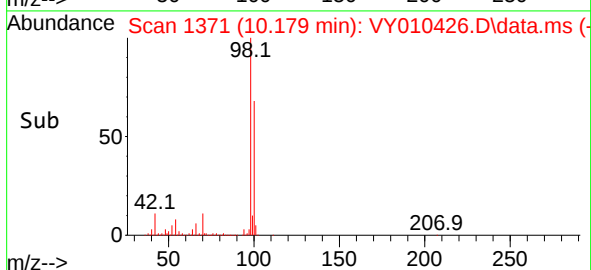
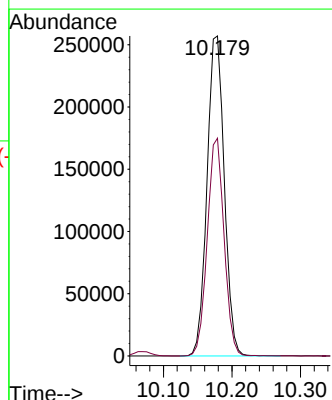
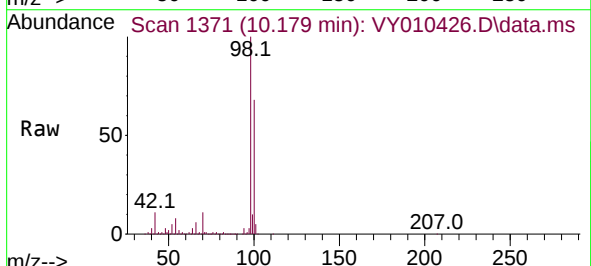
Acq: 09 Sep 2022 18:31

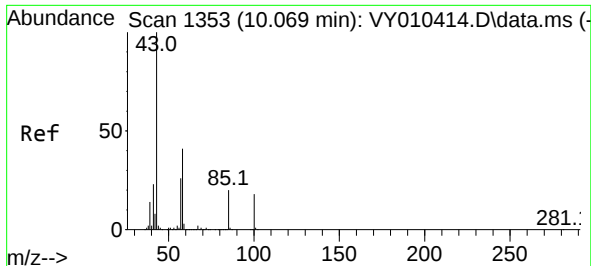
Tgt Ion: 98 Resp: 450551

Ion Ratio Lower Upper

98 100

100 66.2 50.2 75.2

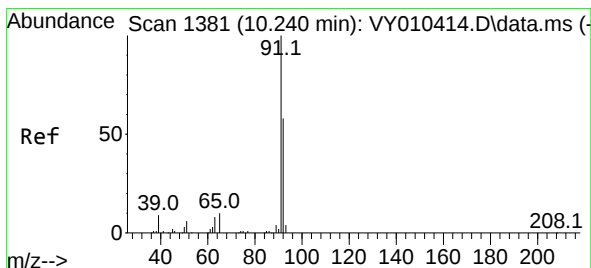
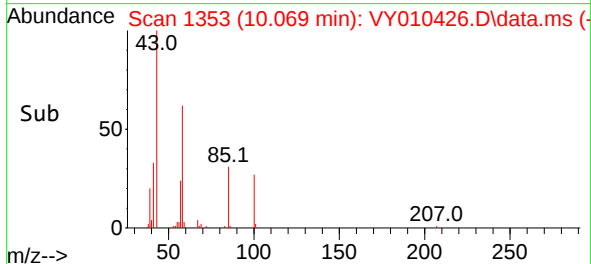
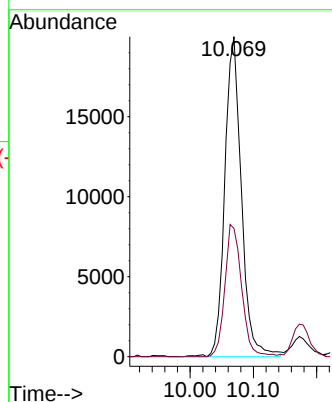
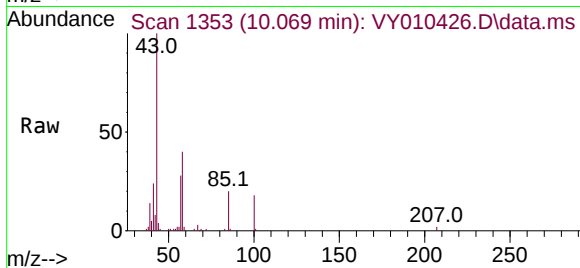




#51
4-Methyl-2-Pentanone
Concen: 18.864 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

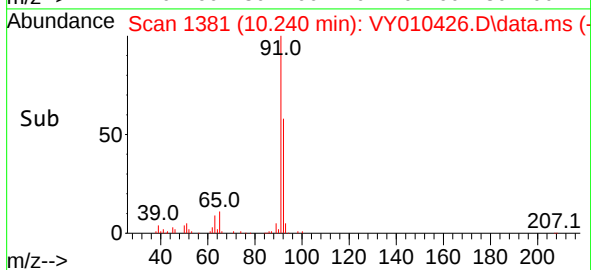
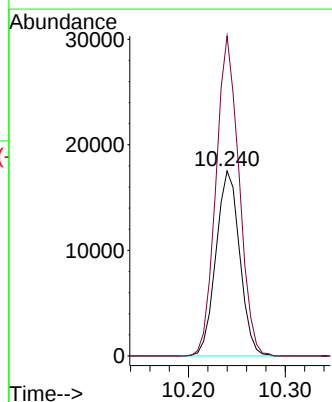
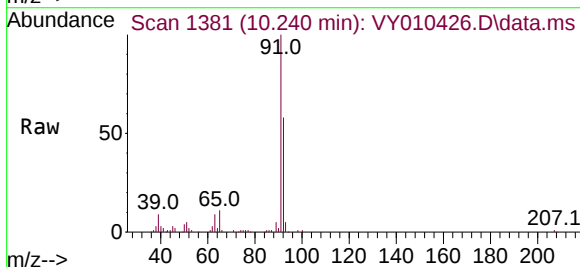
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

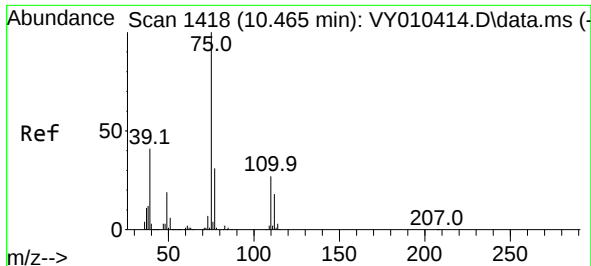
Tgt Ion: 43 Resp: 36372
Ion Ratio Lower Upper
43 100
58 41.7 28.1 42.1



#52
Toluene
Concen: 4.328 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 92 Resp: 29788
Ion Ratio Lower Upper
92 100
91 168.6 142.6 213.8

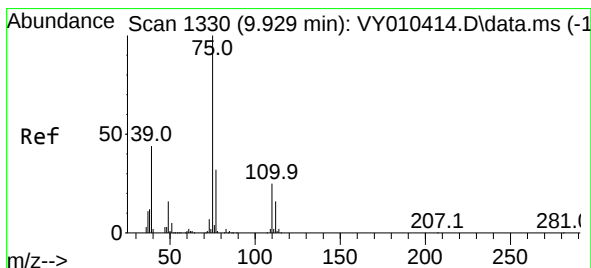
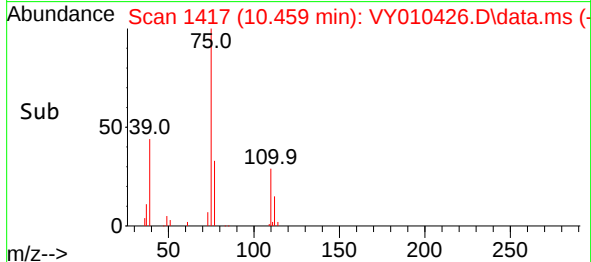
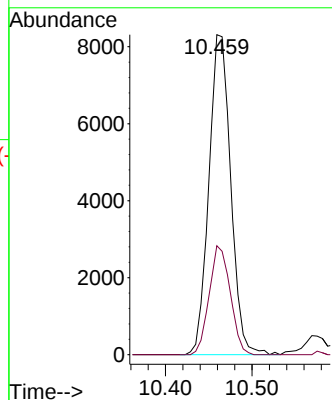
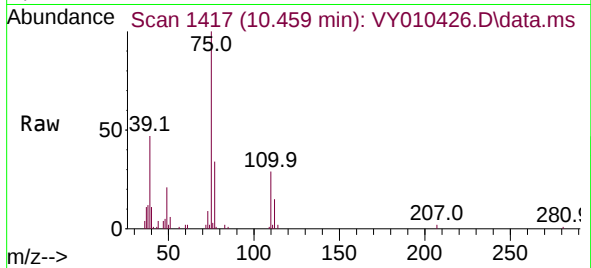




#53
 t-1,3-Dichloropropene
 Concen: 3.856 ug/l
 RT: 10.459 min Scan# 1418
 Delta R.T. -0.006 min
 Lab File: VY010426.D
 Acq: 09 Sep 2022 18:31

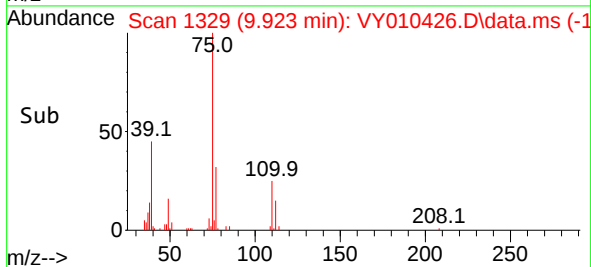
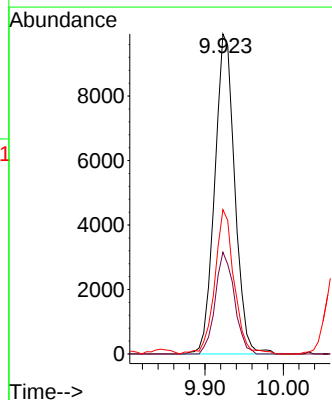
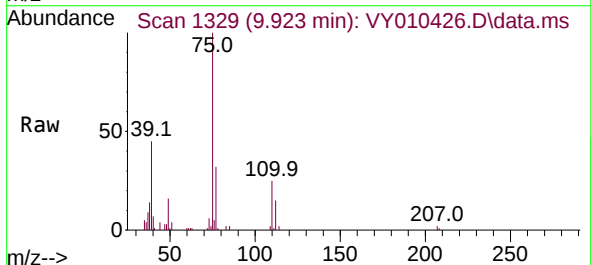
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT3-2022

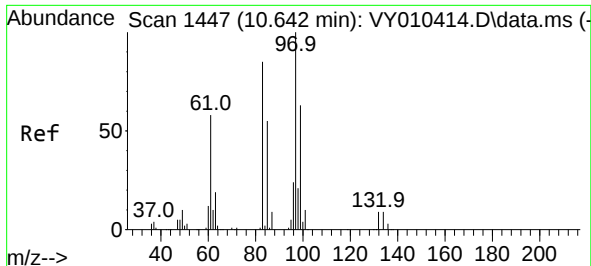
Tgt Ion: 75 Resp: 14582
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.141 ug/l
 RT: 9.923 min Scan# 1329
 Delta R.T. -0.006 min
 Lab File: VY010426.D
 Acq: 09 Sep 2022 18:31

Tgt Ion: 75 Resp: 17661
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4
 39 45.1 47.6 71.4#

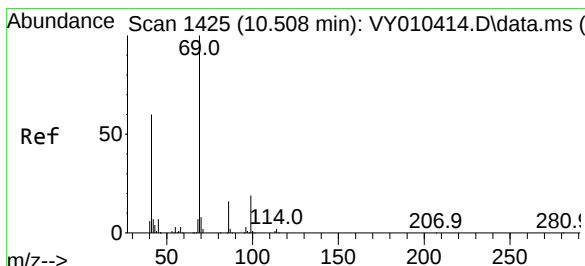
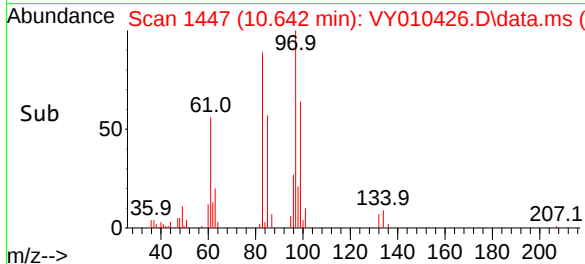
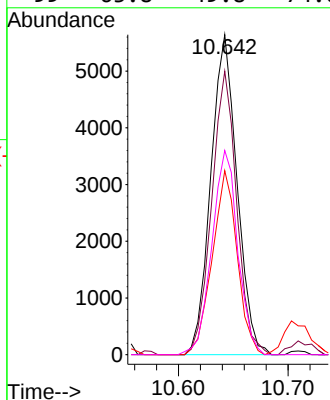
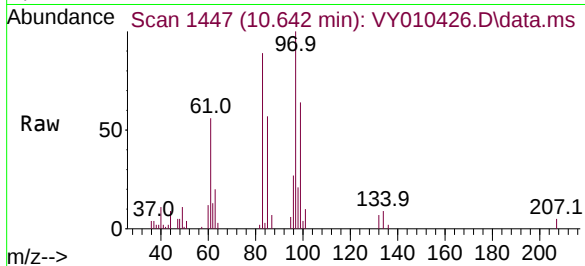




#55
1,1,2-Trichloroethane
Concen: 4.258 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

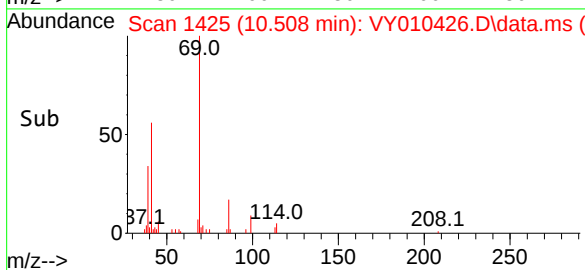
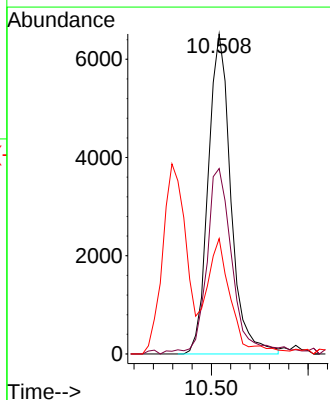
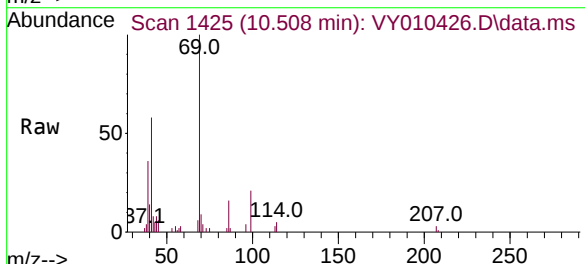
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

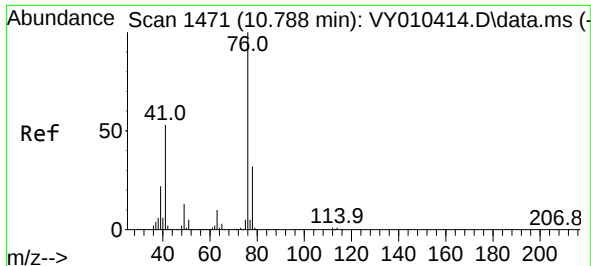
Tgt Ion:	97	Resp:	9370
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.8	104.8
85	57.5	44.3	66.5
99	63.8	49.8	74.6



#56
Ethyl methacrylate
Concen: 3.672 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion:	69	Resp:	10613
Ion	Ratio	Lower	Upper
69	100		
41	66.3	63.4	95.0
39	38.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 4.120 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

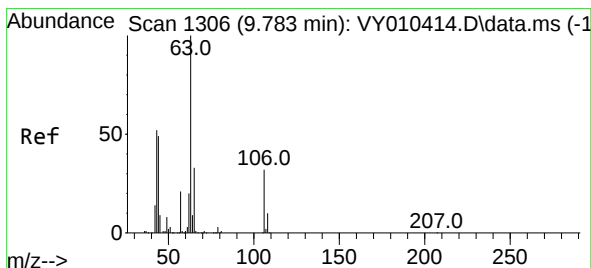
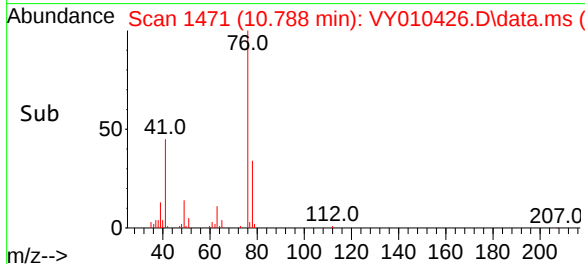
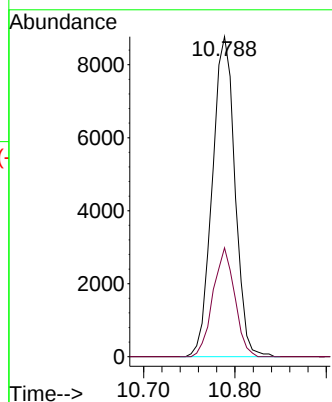
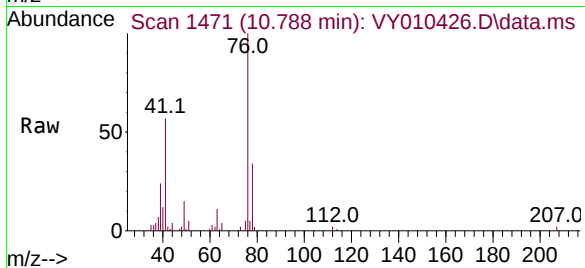
MDL-SOIL-03-QT3-2022

Tgt Ion: 76 Resp: 15077

Ion Ratio Lower Upper

76 100

78 32.7 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 27.953 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.007 min

Lab File: VY010426.D

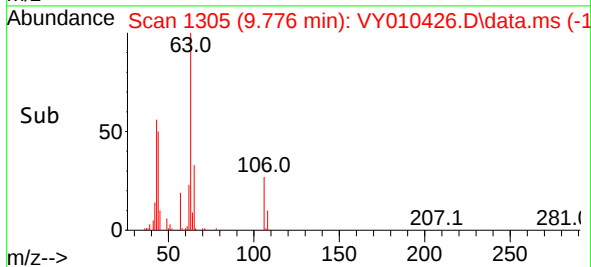
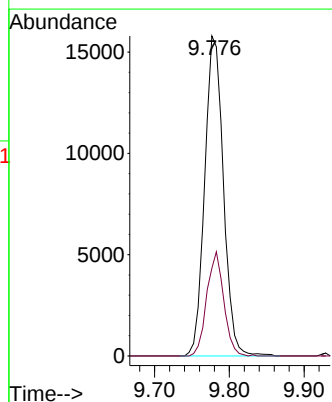
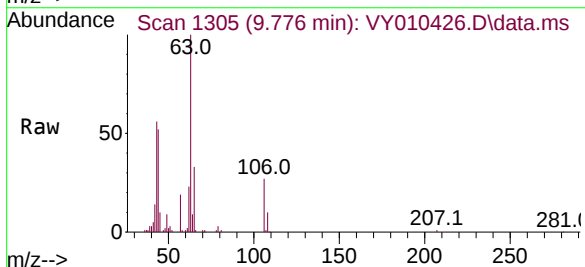
Acq: 09 Sep 2022 18:31

Tgt Ion: 63 Resp: 27482

Ion Ratio Lower Upper

63 100

106 29.5 21.5 32.3





#59

2-Hexanone

Concen: 17.697 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

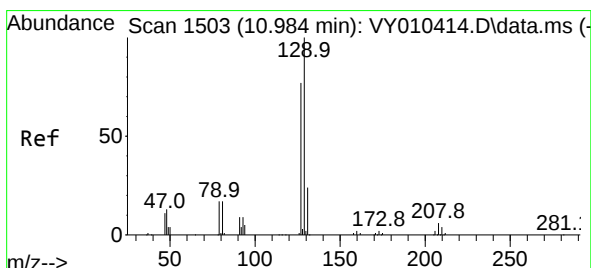
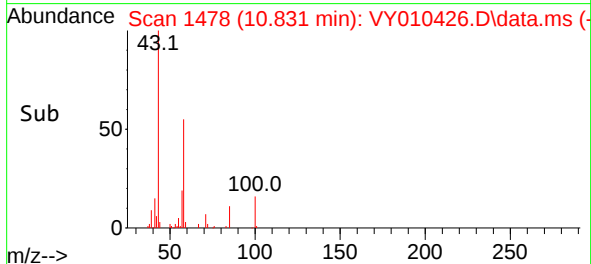
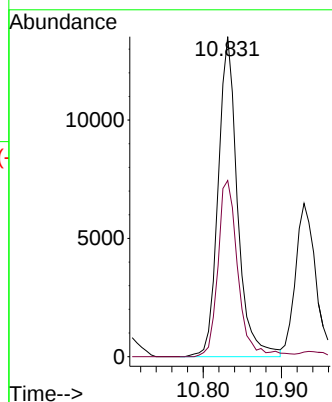
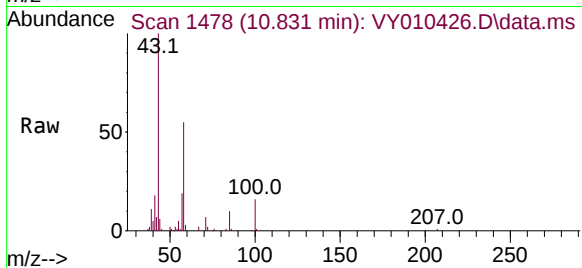
MDL-SOIL-03-QT3-2022

Tgt Ion: 43 Resp: 23260

Ion Ratio Lower Upper

43 100

58 56.9 24.4 73.4



#60

Dibromochloromethane

Concen: 4.178 ug/l

RT: 10.984 min Scan# 1503

Delta R.T. -0.000 min

Lab File: VY010426.D

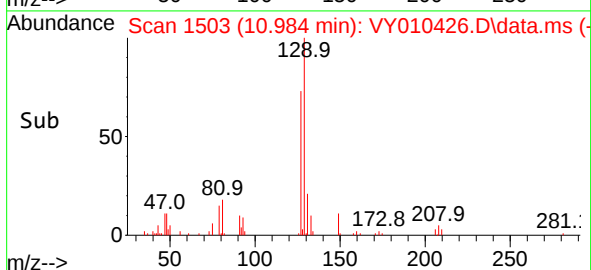
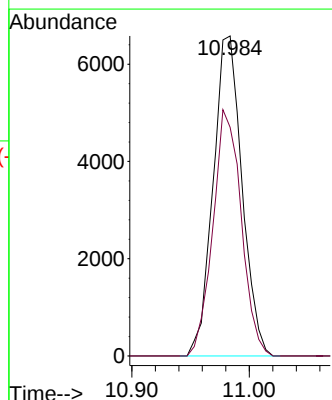
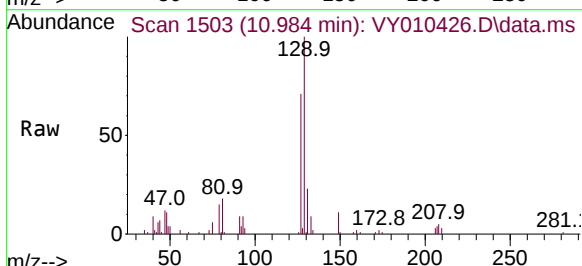
Acq: 09 Sep 2022 18:31

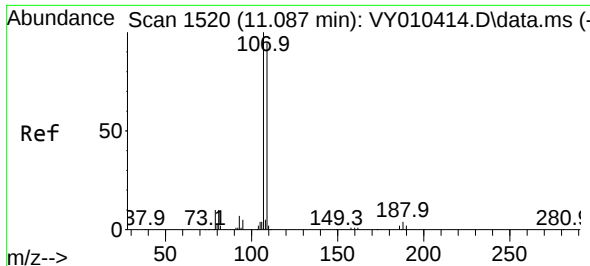
Tgt Ion: 129 Resp: 11235

Ion Ratio Lower Upper

129 100

127 75.4 38.7 116.1

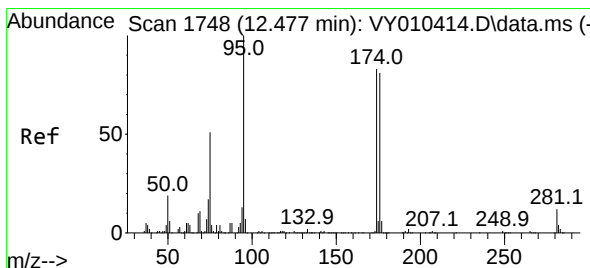
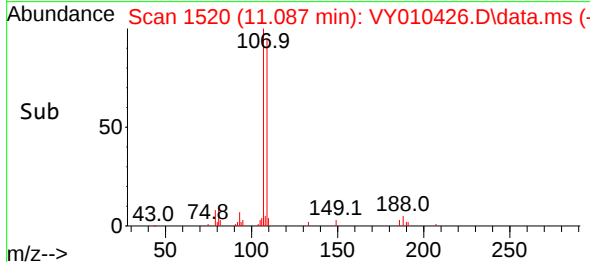
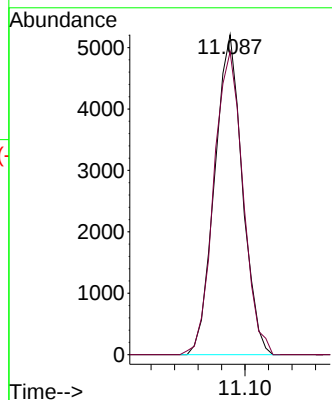
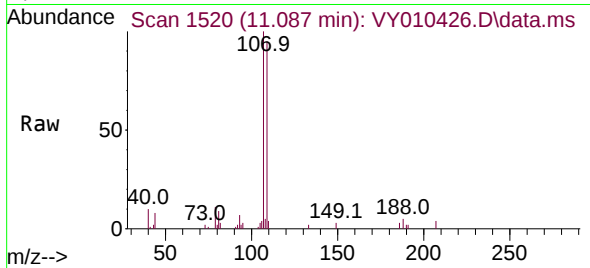




#61
1,2-Dibromoethane
Concen: 3.995 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

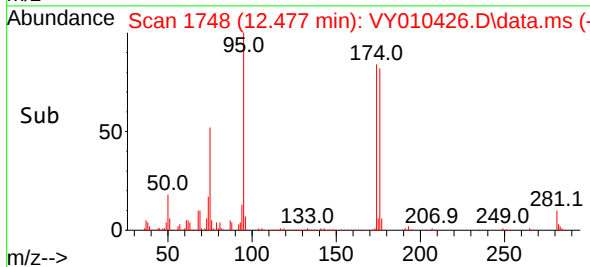
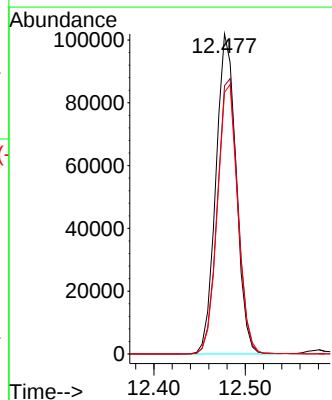
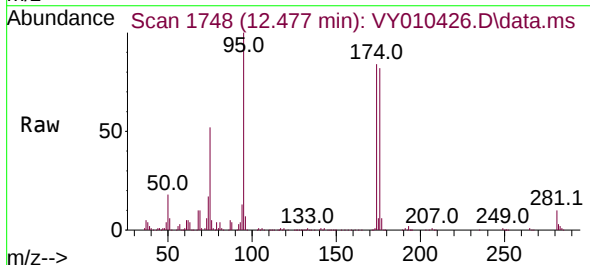
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

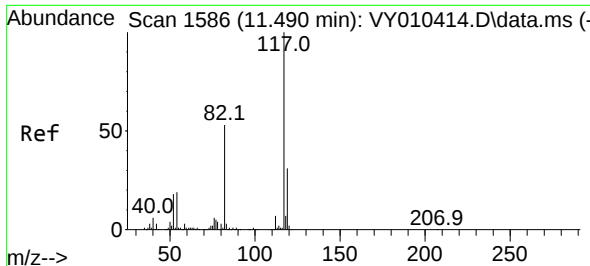
Tgt Ion:107 Resp: 8535
Ion Ratio Lower Upper
107 100
109 99.6 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 39.450 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 95 Resp: 156594
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.0
176 85.1 0.0 175.8

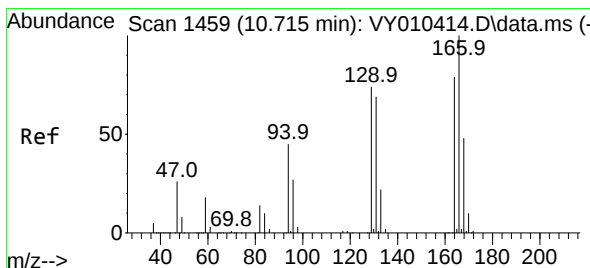
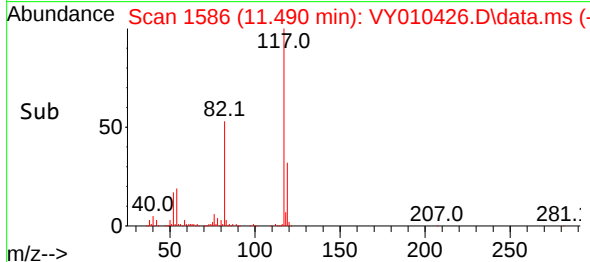
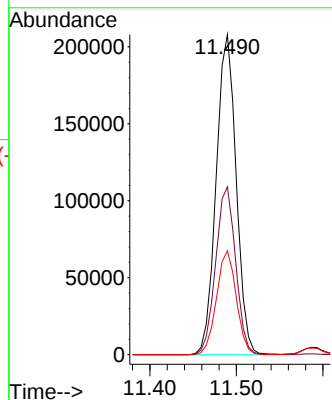
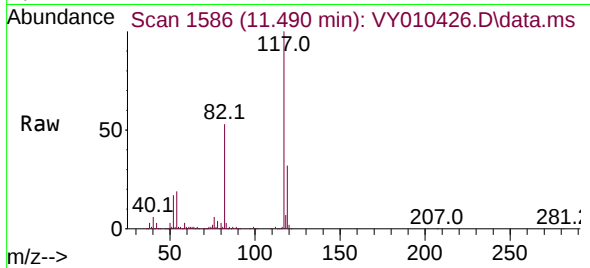




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

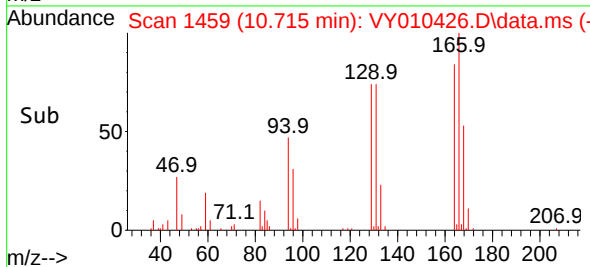
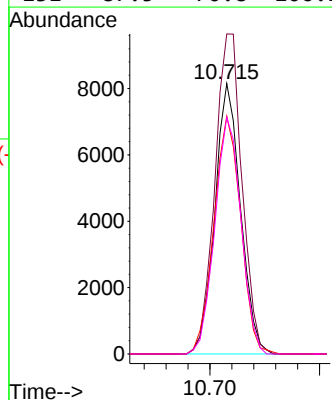
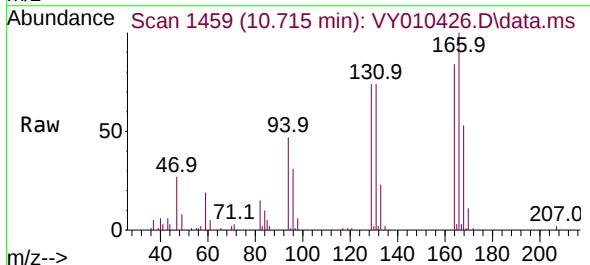
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

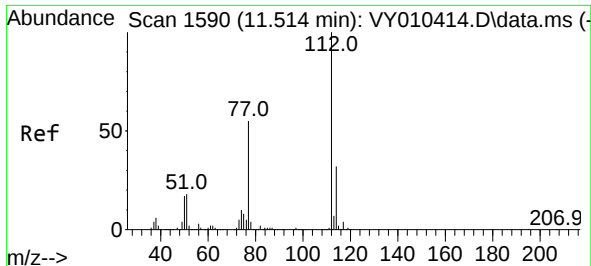
Tgt Ion:117 Resp: 333607
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 4.404 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion:164 Resp: 13244
Ion Ratio Lower Upper
164 100
166 118.4 100.4 150.6
129 87.9 71.4 107.0
131 87.5 70.8 106.2

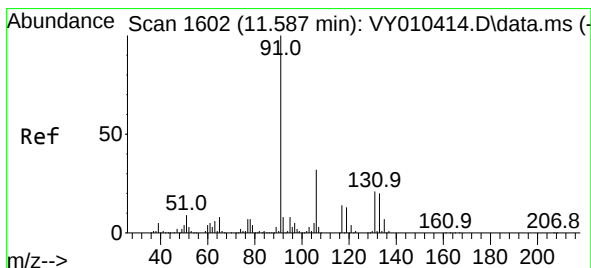
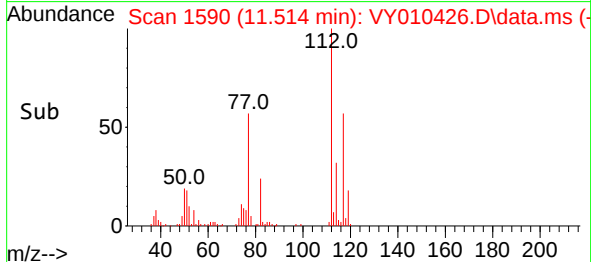
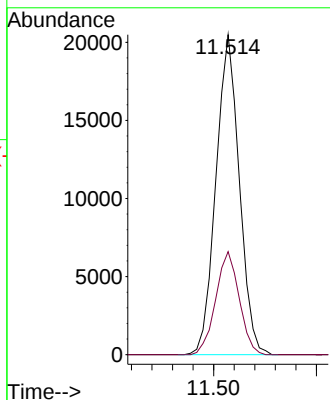
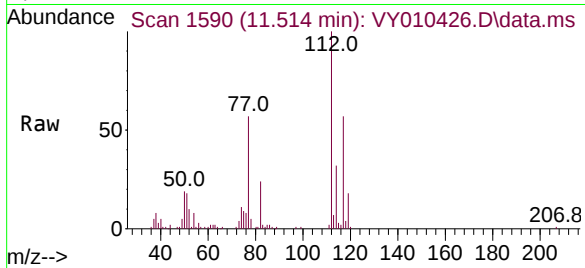




#65
Chlorobenzene
Concen: 4.321 ug/l
RT: 11.514 min Scan# 11590
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

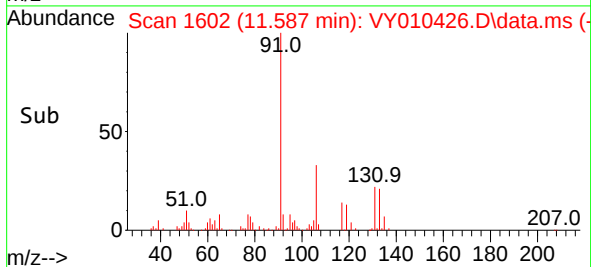
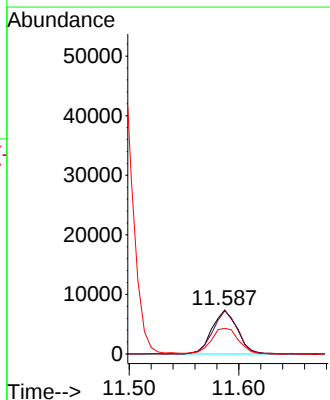
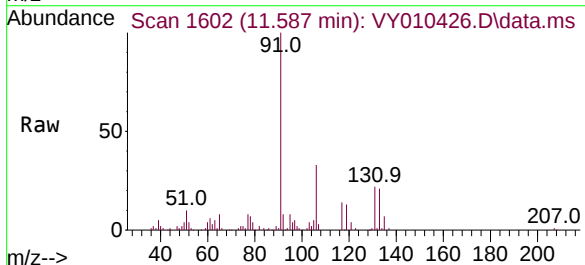
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

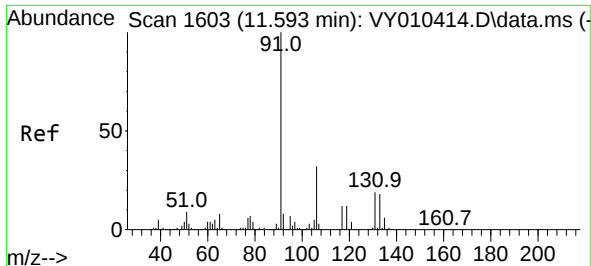
Tgt Ion:112 Resp: 32236
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.256 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion:131 Resp: 11761
Ion Ratio Lower Upper
131 100
133 97.1 47.9 143.6
119 63.4 30.8 92.3





#67

Ethyl Benzene

Concen: 4.196 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

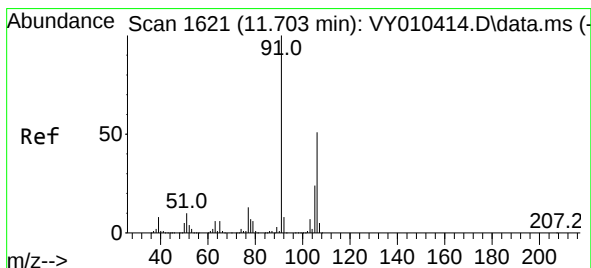
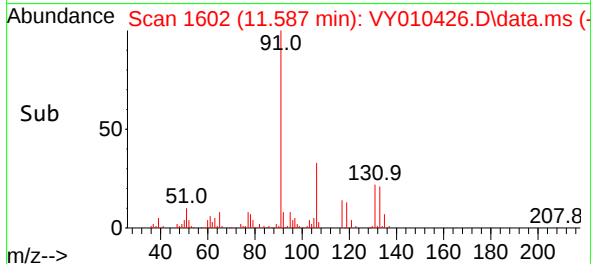
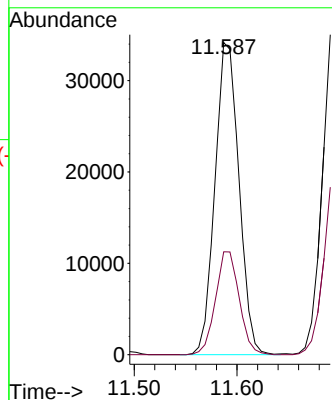
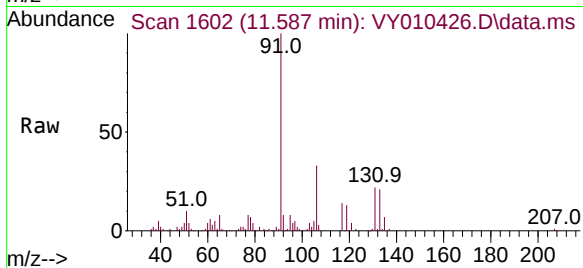
MDL-SOIL-03-QT3-2022

Tgt Ion: 91 Resp: 55402

Ion Ratio Lower Upper

91 100

106 33.0 24.5 36.7



#68

m/p-Xylenes

Concen: 8.376 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY010426.D

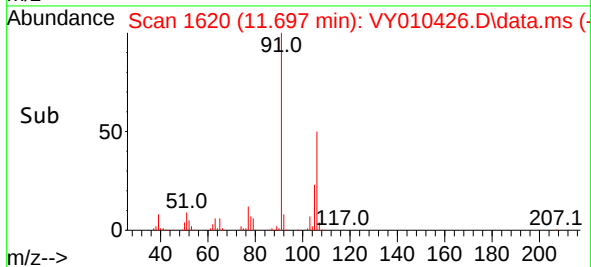
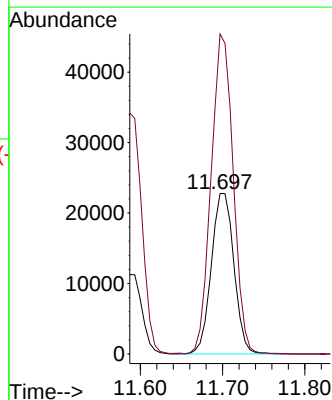
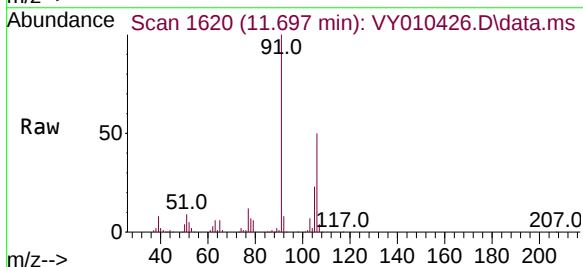
Acq: 09 Sep 2022 18:31

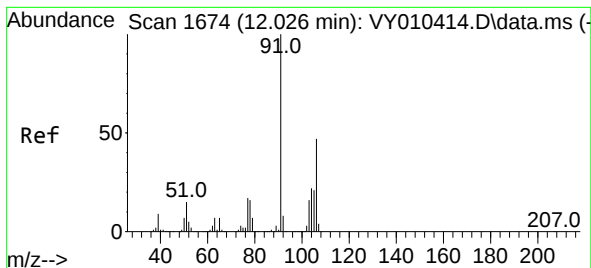
Tgt Ion: 106 Resp: 43418

Ion Ratio Lower Upper

106 100

91 195.7 166.6 249.8





#69

o-Xylene

Concen: 4.082 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

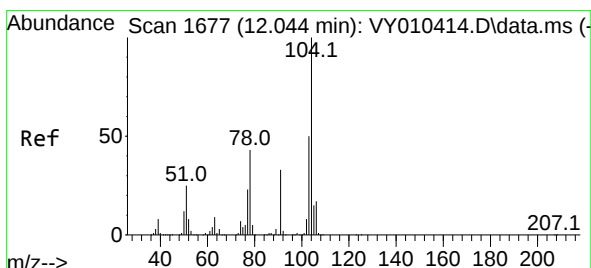
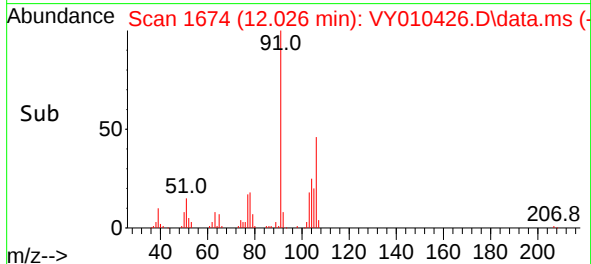
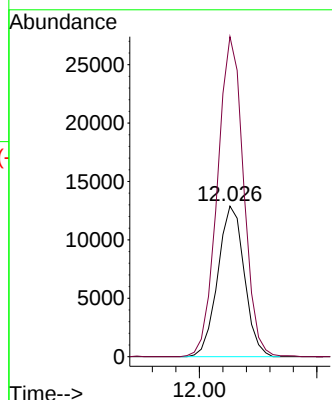
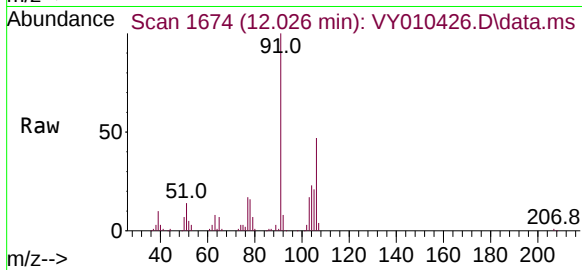
MDL-SOIL-03-QT3-2022

Tgt Ion:106 Resp: 20205

Ion Ratio Lower Upper

106 100

91 210.1 110.3 331.0



#70

Styrene

Concen: 3.929 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

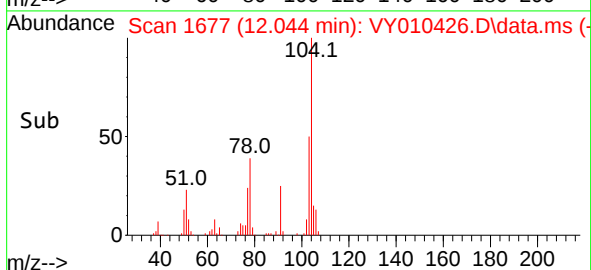
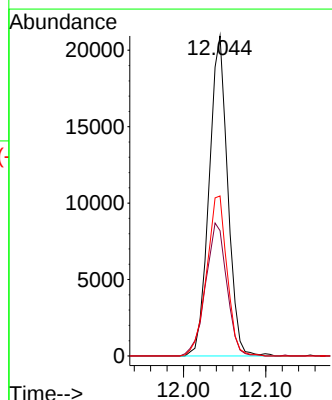
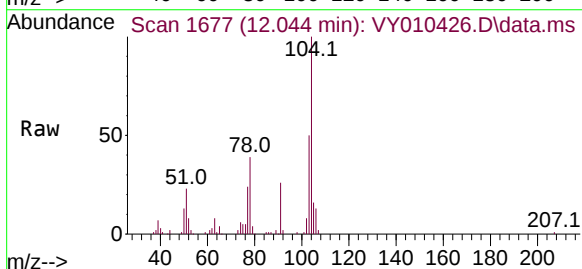
Tgt Ion:104 Resp: 32914

Ion Ratio Lower Upper

104 100

78 47.3 42.4 63.6

103 54.9 44.4 66.6





#71

Bromoform

Concen: 3.841 ug/l

RT: 12.203 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

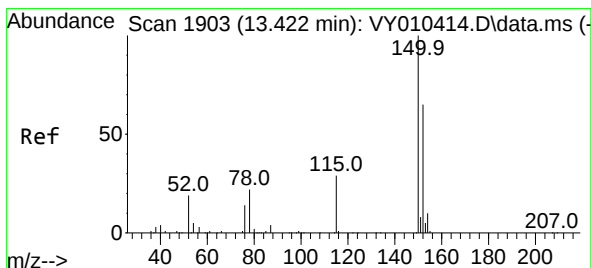
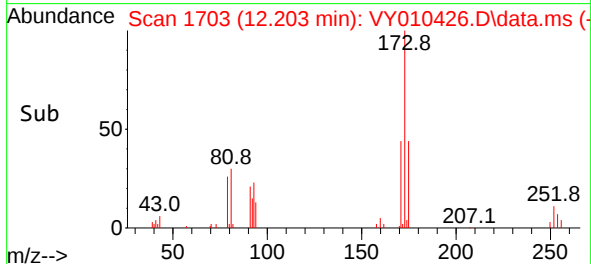
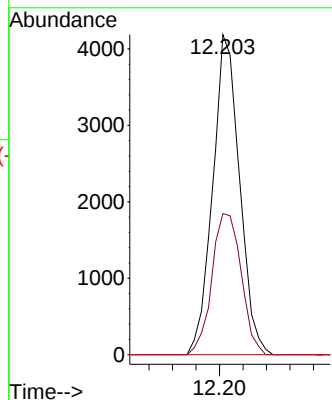
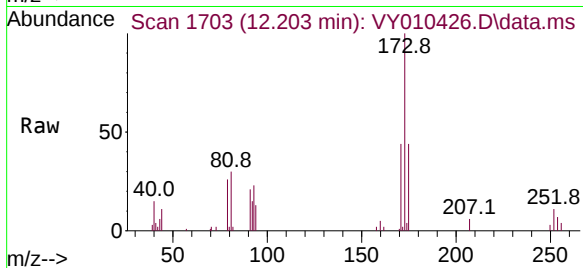
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:173	Resp:	6636
Ion Ratio	Lower	Upper
173	100	
175	48.2	24.6 74.0
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

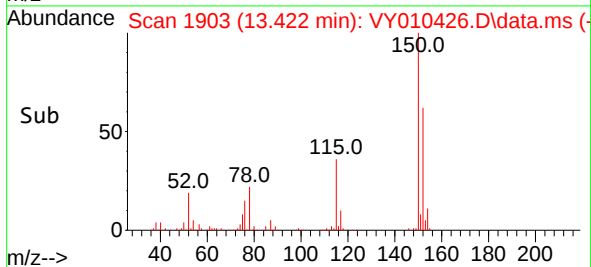
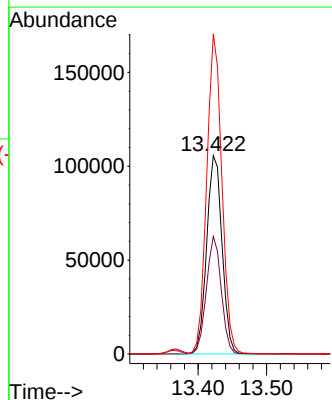
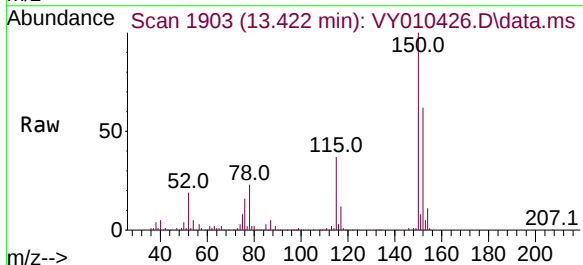
RT: 13.422 min Scan# 1903

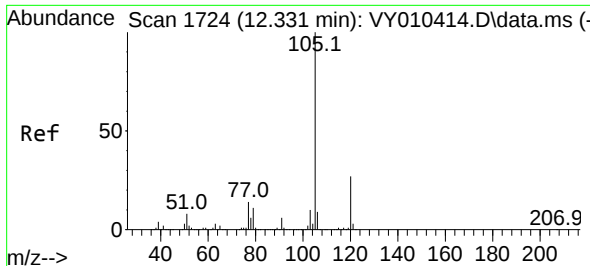
Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Tgt Ion:152	Resp:	165166
Ion Ratio	Lower	Upper
152	100	
115	57.3	28.2 84.7
150	158.5	0.0 347.6

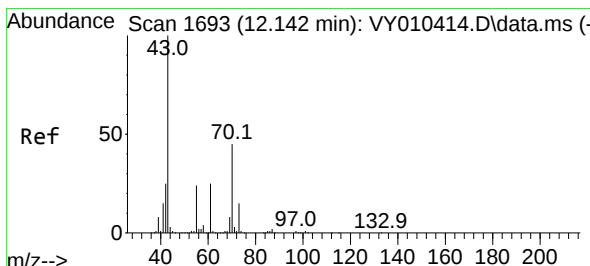
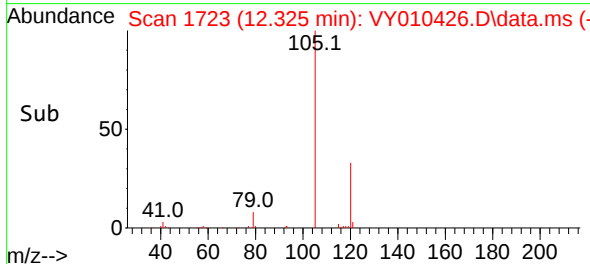
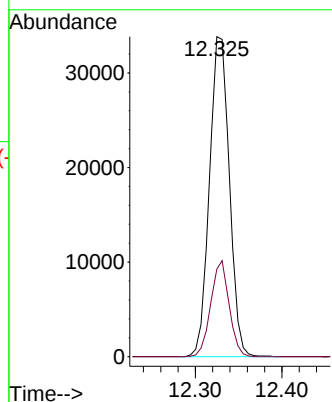
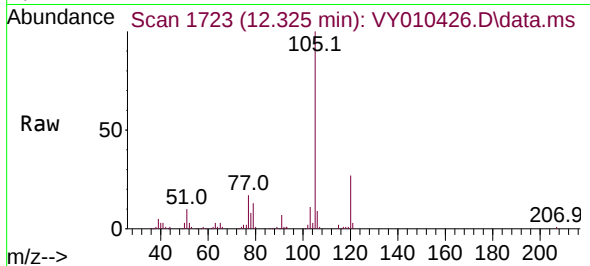




#73
Isopropylbenzene
Concen: 4.187 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

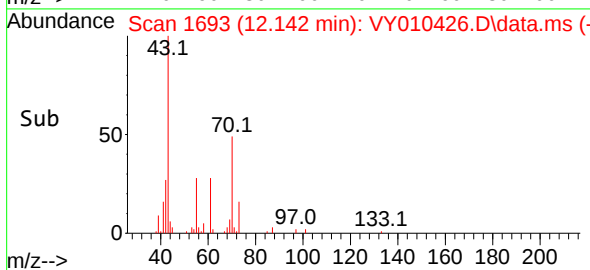
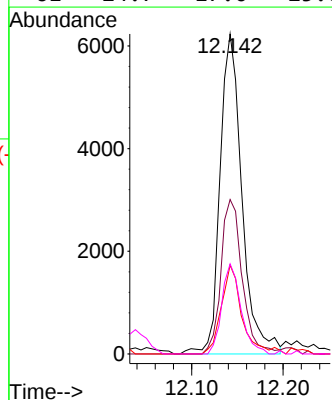
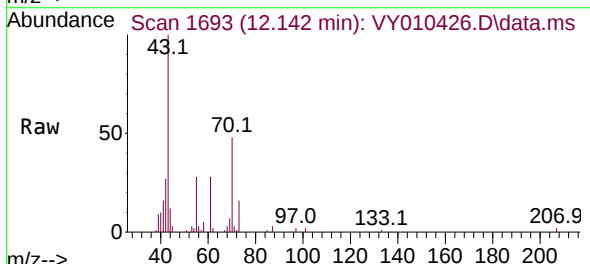
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

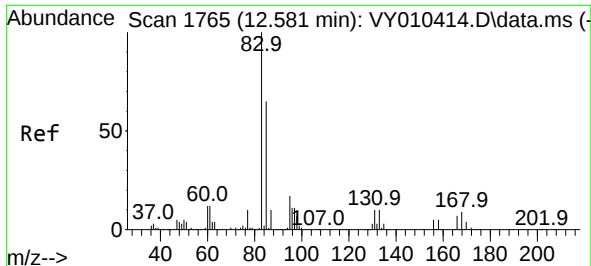
Tgt Ion:105 Resp: 53954
Ion Ratio Lower Upper
105 100
120 27.7 13.4 40.2



#74
N-ethyl acetate
Concen: 3.466 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 43 Resp: 10422
Ion Ratio Lower Upper
43 100
70 46.6 28.7 43.1#
55 26.0 17.3 25.9#
61 24.7 17.0 25.6

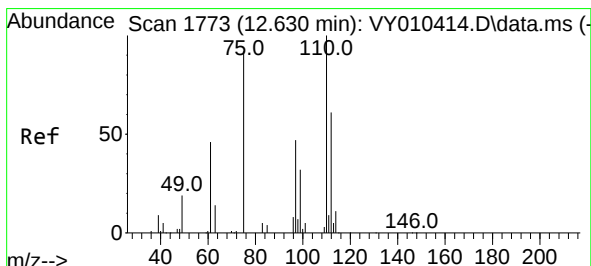
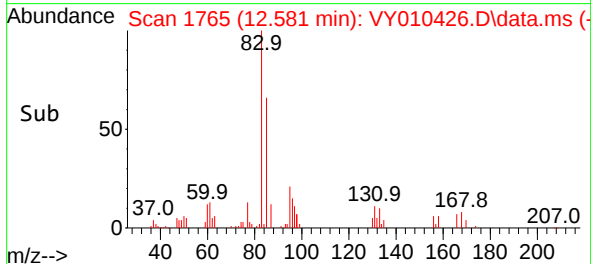
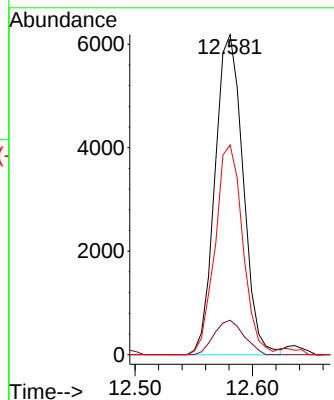
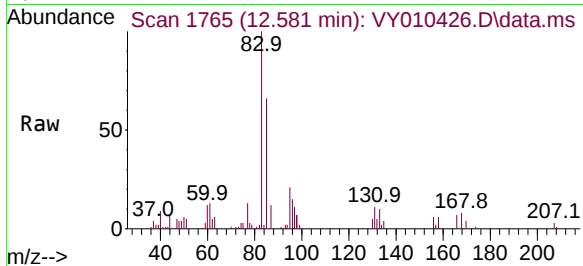




#75
1,1,2-Tetrachloroethane
Concen: 4.258 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

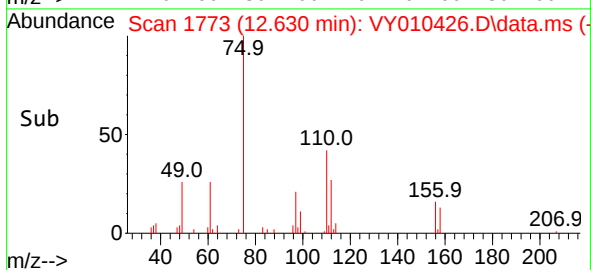
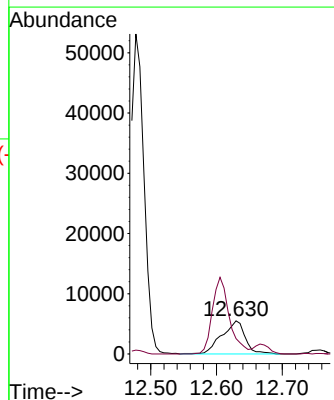
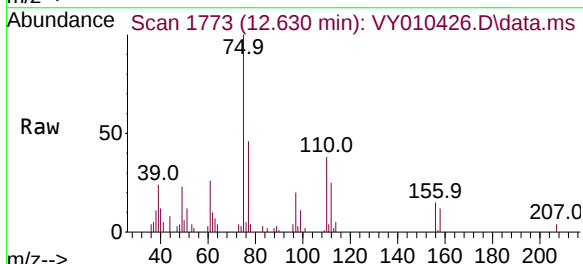
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2022

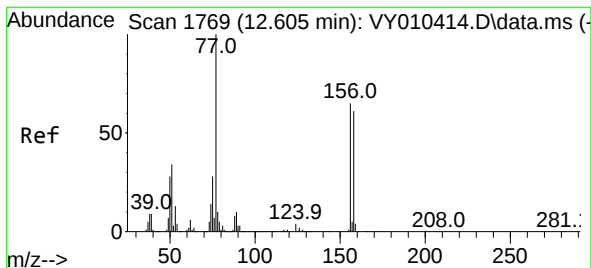
Tgt Ion: 83 Resp: 10265
Ion Ratio Lower Upper
83 100
131 11.4 5.6 16.8
85 64.7 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 7.466 ug/l
RT: 12.630 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 75 Resp: 13610
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.523 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

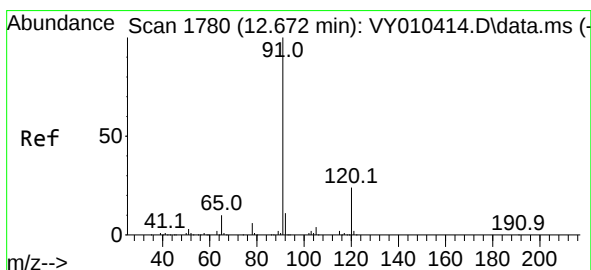
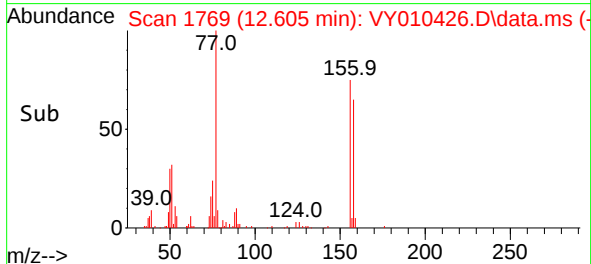
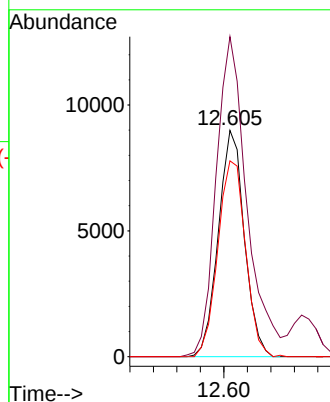
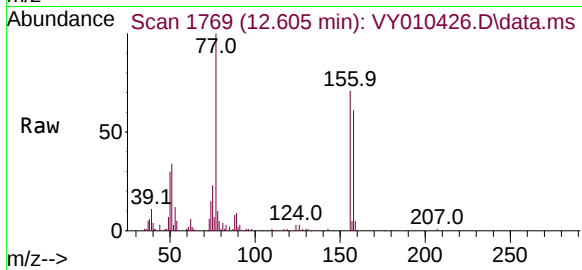
Tgt Ion:156 Resp: 13811

Ion Ratio Lower Upper

156 100

77 166.2 95.5 286.4

158 92.1 48.0 144.0



#78

n-propylbenzene

Concen: 4.299 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.006 min

Lab File: VY010426.D

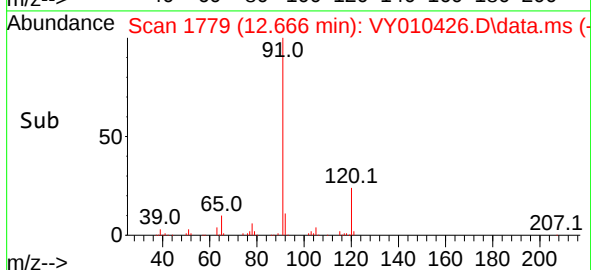
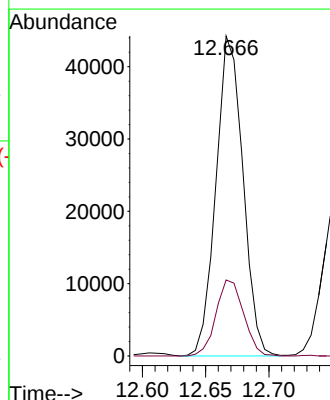
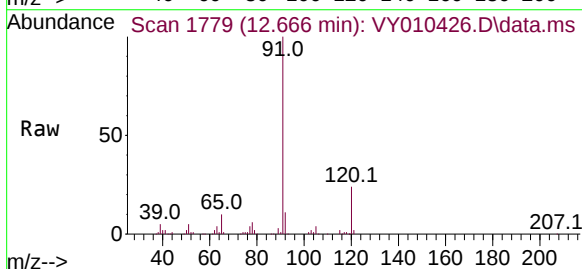
Acq: 09 Sep 2022 18:31

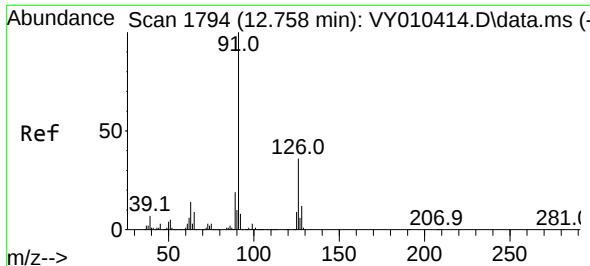
Tgt Ion: 91 Resp: 65596

Ion Ratio Lower Upper

91 100

120 24.3 11.3 33.9

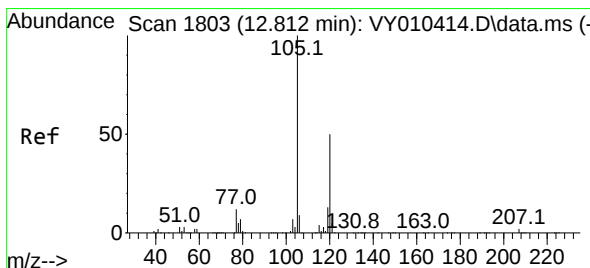
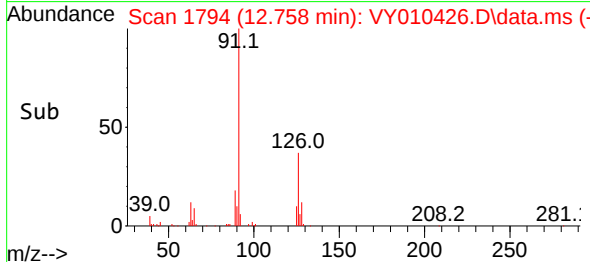
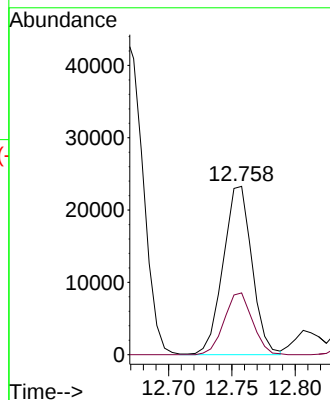
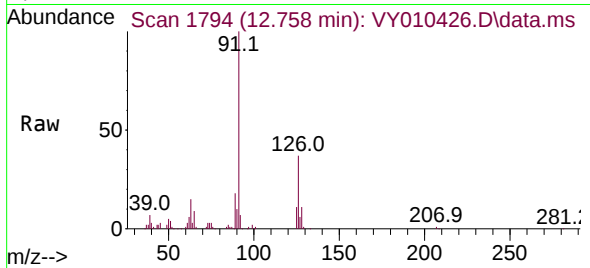




#79
2-Chlorotoluene
Concen: 4.316 ug/l
RT: 12.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

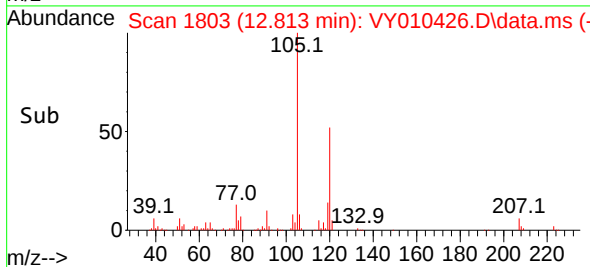
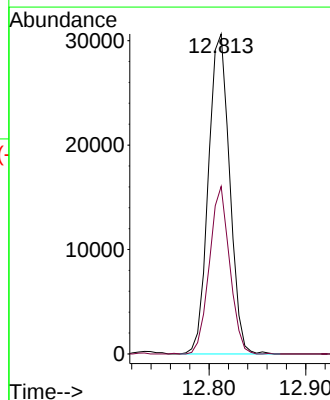
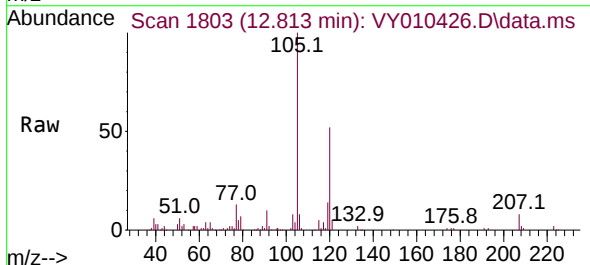
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

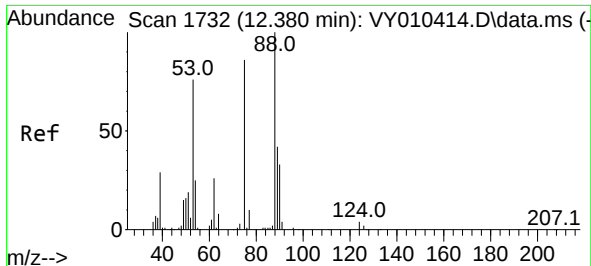
Tgt Ion: 91 Resp: 36993
Ion Ratio Lower Upper
91 100
126 35.9 16.9 50.6



#80
1,3,5-Trimethylbenzene
Concen: 4.296 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 105 Resp: 46712
Ion Ratio Lower Upper
105 100
120 50.0 24.4 73.4

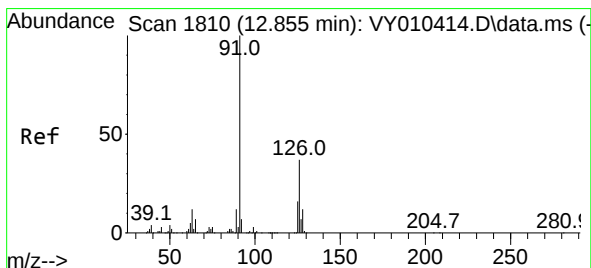
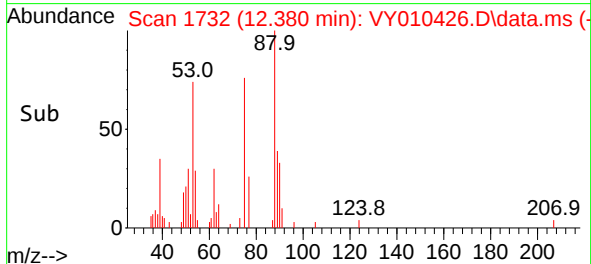
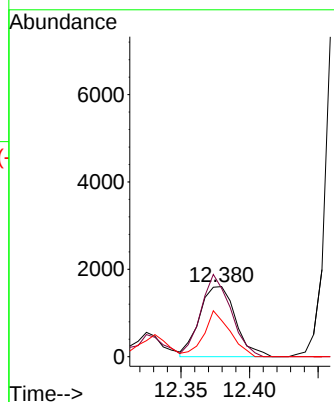
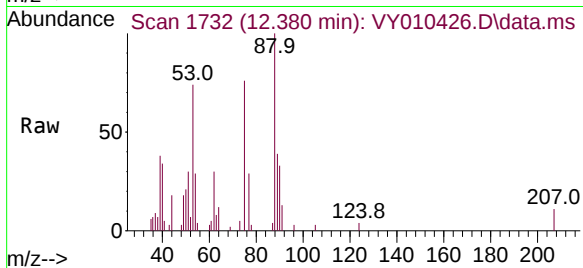




#81
trans-1,4-Dichloro-2-butene
Concen: 3.565 ug/l
RT: 12.380 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

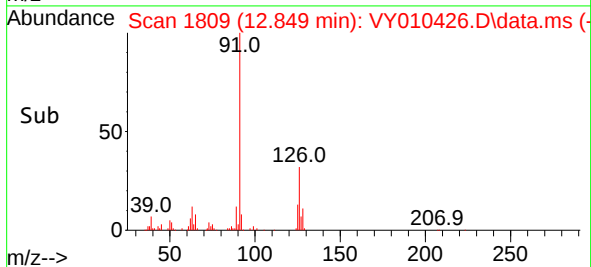
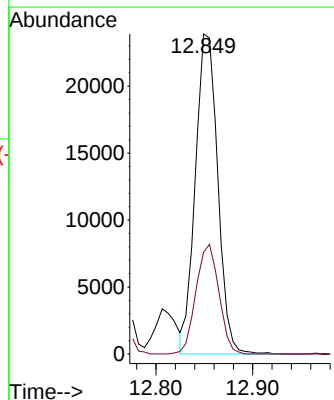
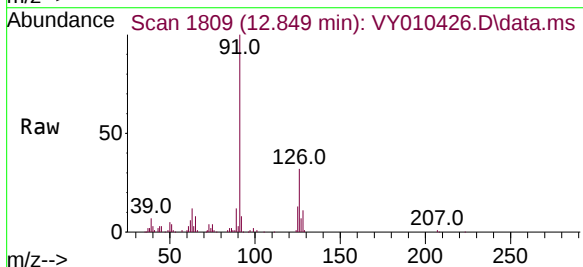
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

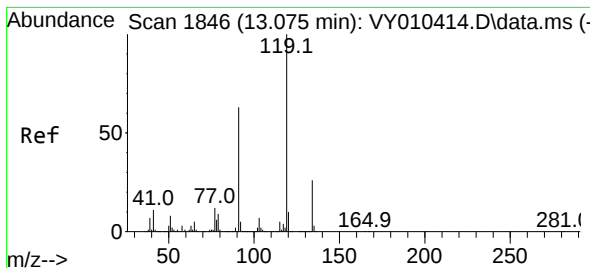
Tgt Ion: 75 Resp: 2927
Ion Ratio Lower Upper
75 100
53 98.0 85.3 127.9
89 47.4 37.0 55.4



#82
4-Chlorotoluene
Concen: 4.317 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 91 Resp: 38497
Ion Ratio Lower Upper
91 100
126 35.0 17.0 51.0





#83

tert-Butylbenzene

Concen: 4.317 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

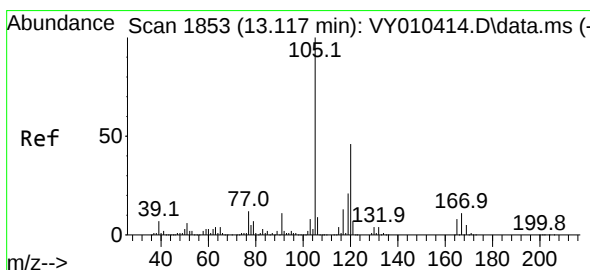
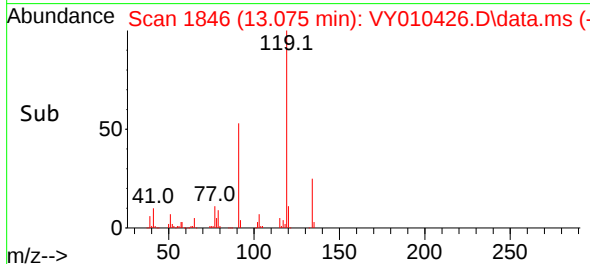
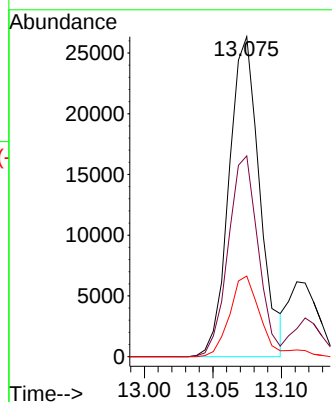
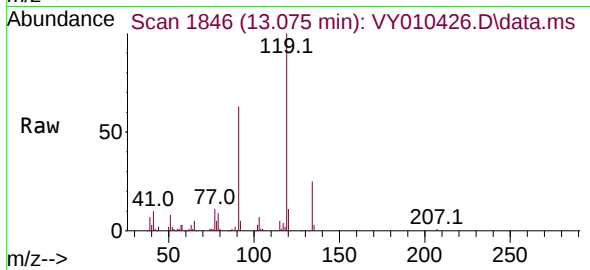
Tgt Ion:119 Resp: 41032

Ion Ratio Lower Upper

119 100

91 61.5 34.8 104.4

134 26.0 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 4.310 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY010426.D

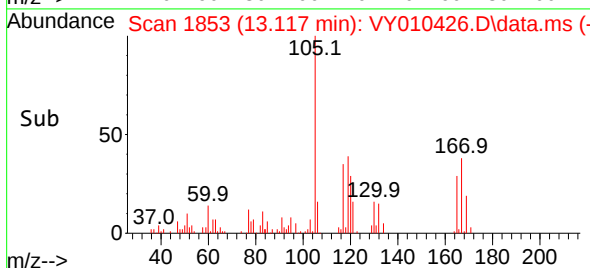
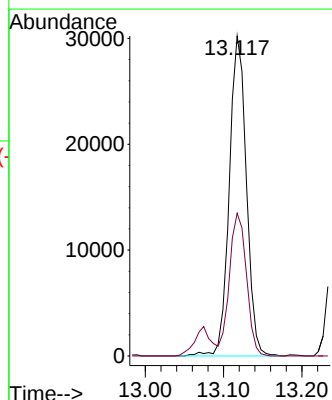
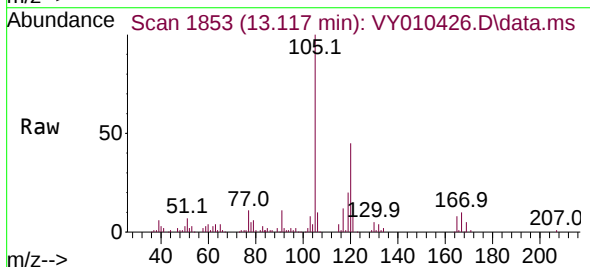
Acq: 09 Sep 2022 18:31

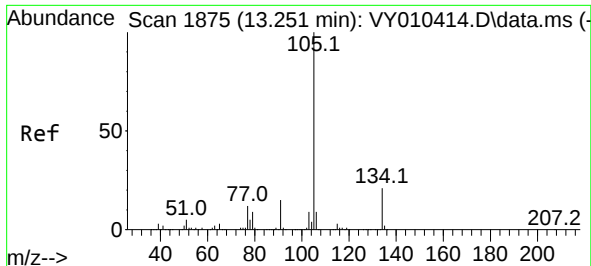
Tgt Ion:105 Resp: 45850

Ion Ratio Lower Upper

105 100

120 44.4 22.3 66.9

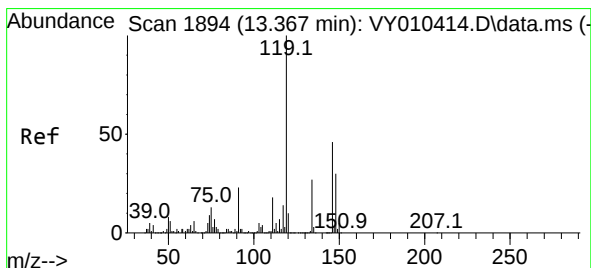
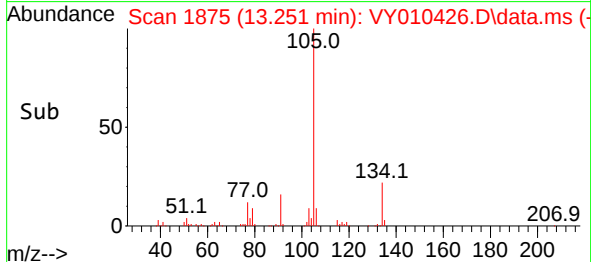
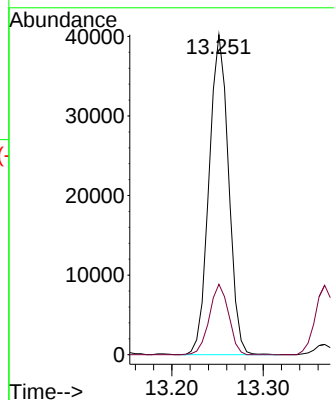
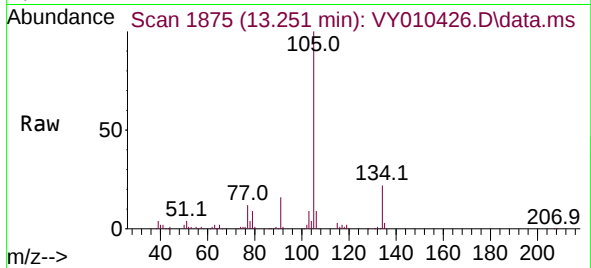




#85
 sec-Butylbenzene
 Concen: 4.235 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY010426.D
 Acq: 09 Sep 2022 18:31

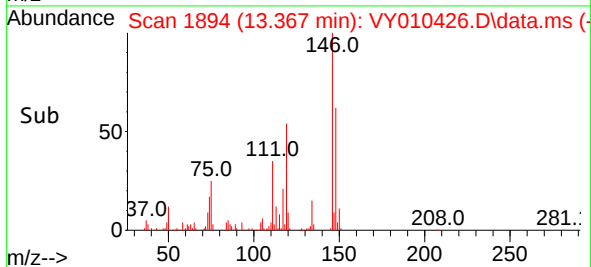
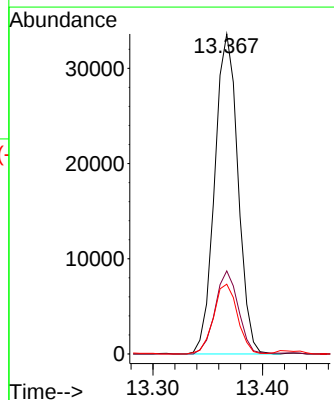
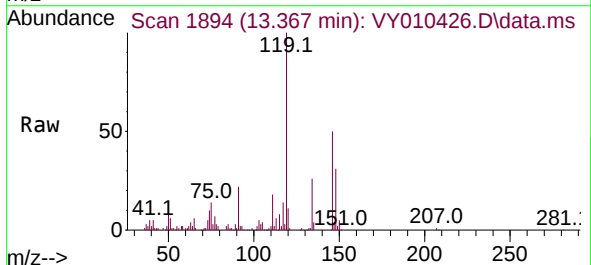
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

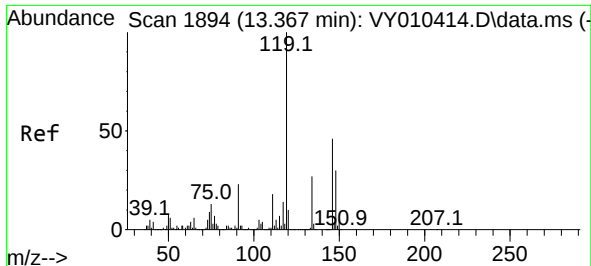
Tgt Ion:105 Resp: 59590
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 4.161 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY010426.D
 Acq: 09 Sep 2022 18:31

Tgt Ion:119 Resp: 49536
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.5
 91 22.5 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 4.343 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2022

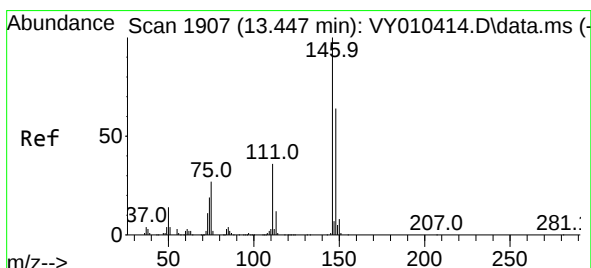
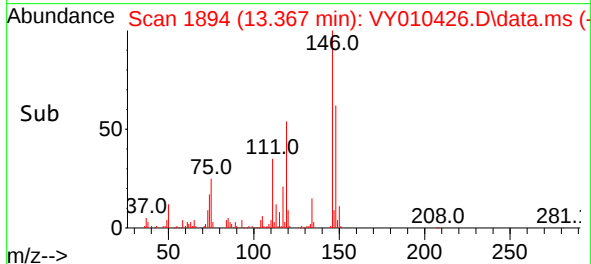
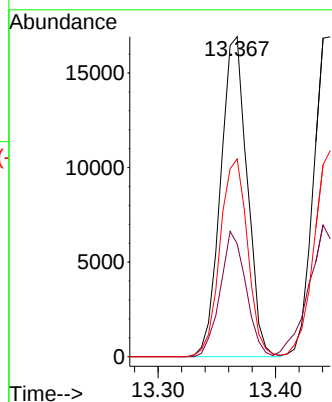
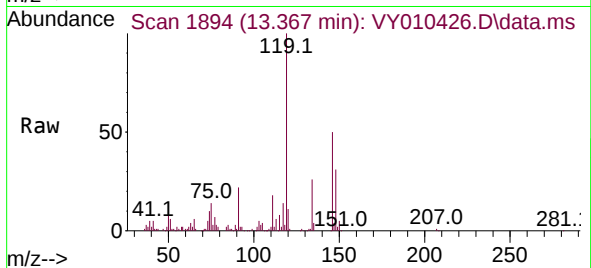
Tgt Ion:146 Resp: 26631

Ion Ratio Lower Upper

146 100

111 38.0 19.5 58.5

148 64.0 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 4.440 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY010426.D

Acq: 09 Sep 2022 18:31

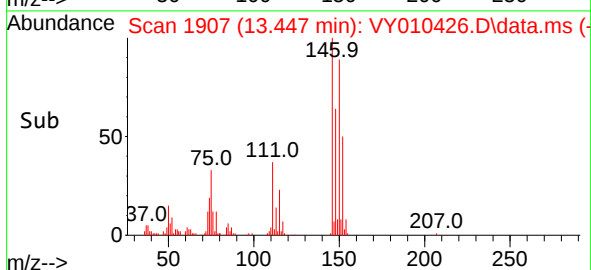
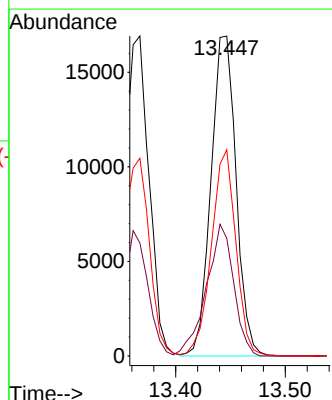
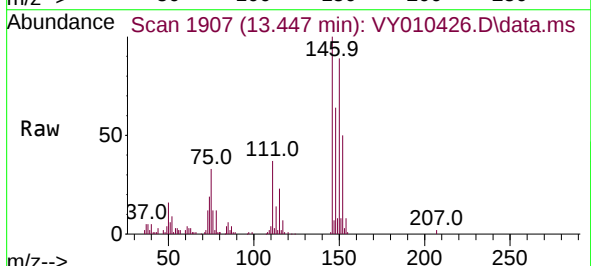
Tgt Ion:146 Resp: 26962

Ion Ratio Lower Upper

146 100

111 44.8 19.3 57.8

148 63.0 32.6 97.8

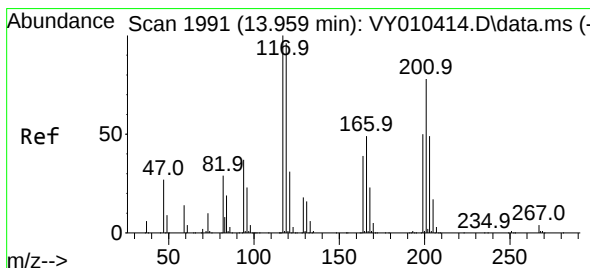
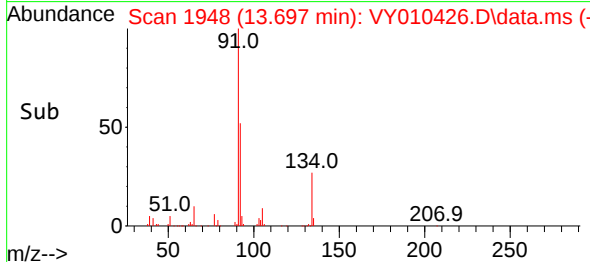
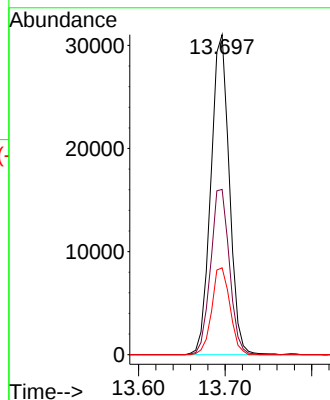
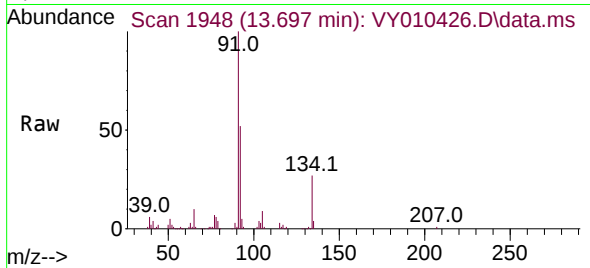




#89
n-Butylbenzene
Concen: 4.248 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

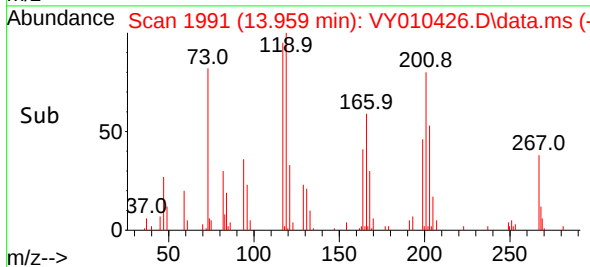
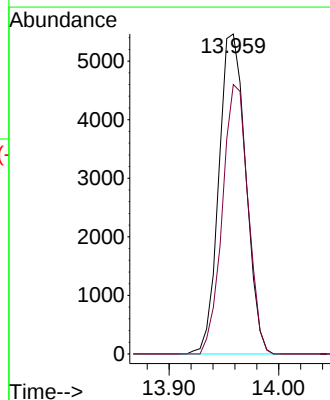
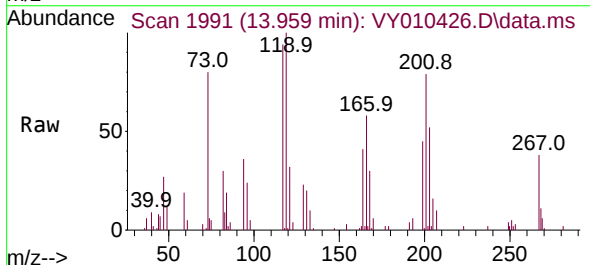
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

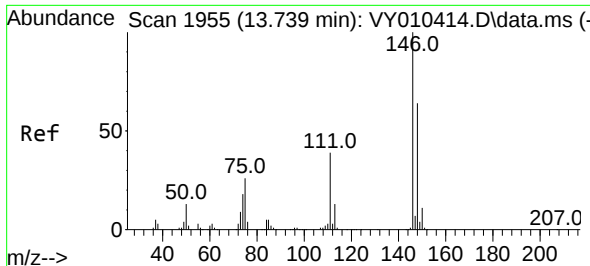
Tgt Ion:	91	Resp:	45899
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	26.8	13.0	38.9



#90
Hexachloroethane
Concen: 4.167 ug/l
RT: 13.959 min Scan# 1991
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion:	117	Resp:	9314
Ion	Ratio	Lower	Upper
117	100		
201	80.3	43.0	128.8

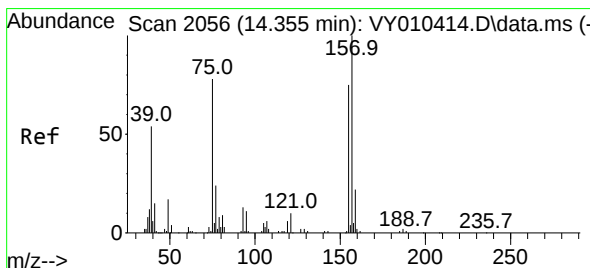
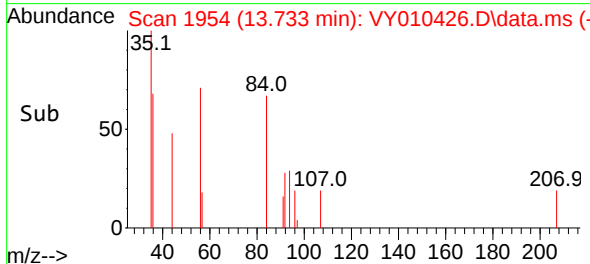
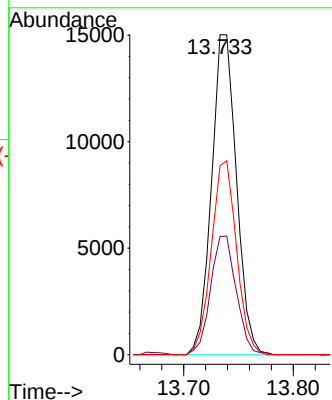
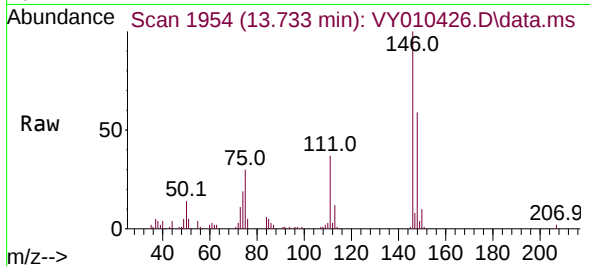




#91
1,2-Dichlorobenzene
Concen: 4.377 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

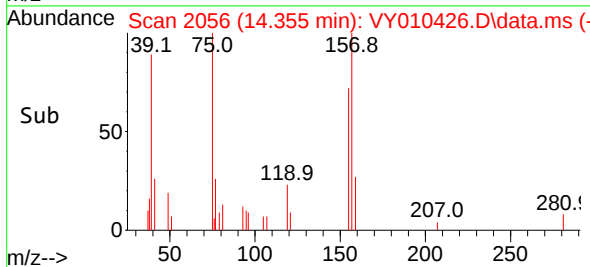
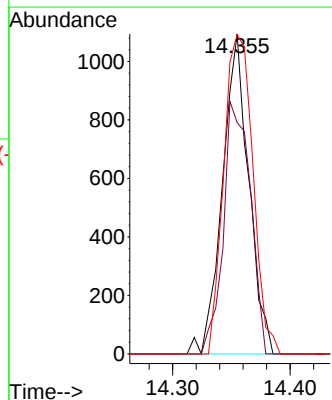
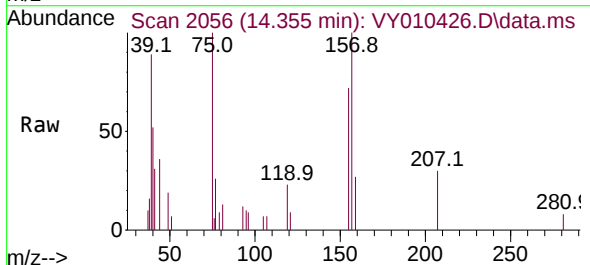
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

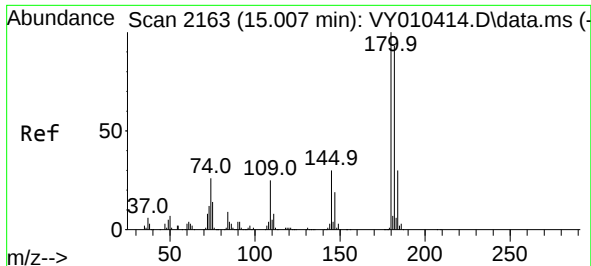
Tgt Ion:146	Resp:	23769
Ion Ratio	Lower	Upper
146	100	
111	38.1	20.3 60.9
148	61.2	32.3 96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.171 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion: 75	Resp:	1697
Ion Ratio	Lower	Upper
75	100	
155	81.0	38.0 113.9
157	110.7	47.8 143.3

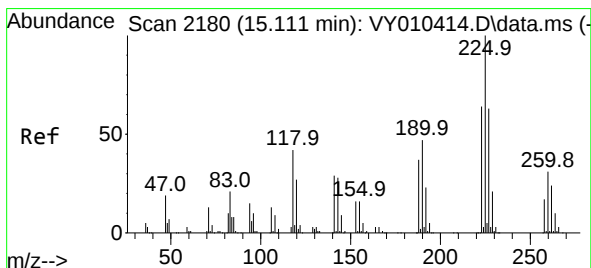
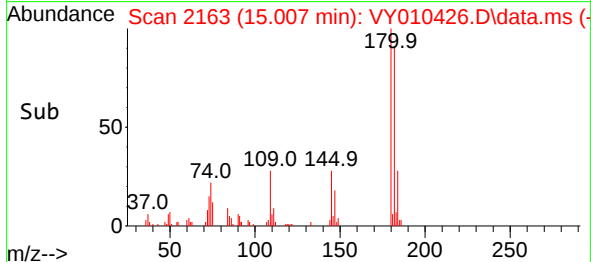
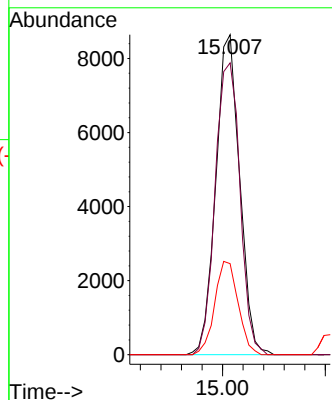
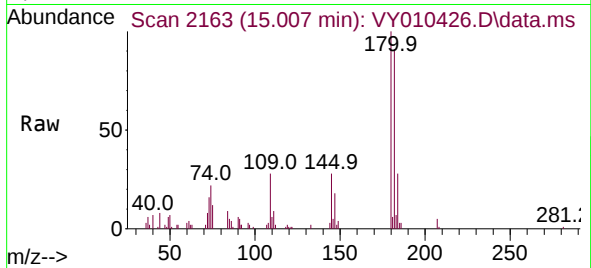




#93
1,2,4-Trichlorobenzene
Concen: 4.125 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

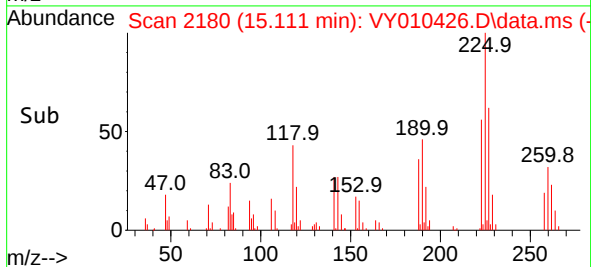
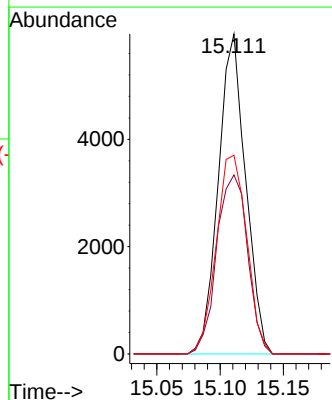
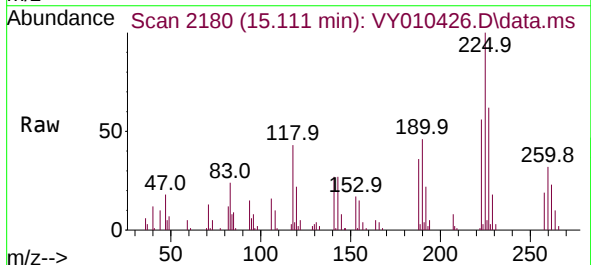
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2022

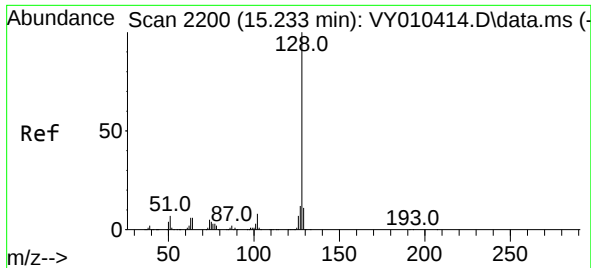
Tgt Ion:180 Resp: 13915
Ion Ratio Lower Upper
180 100
182 94.8 47.3 141.9
145 28.6 14.6 43.8



#94
Hexachlorobutadiene
Concen: 4.396 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion:225 Resp: 8946
Ion Ratio Lower Upper
225 100
223 63.2 30.8 92.3
227 69.3 31.6 94.7

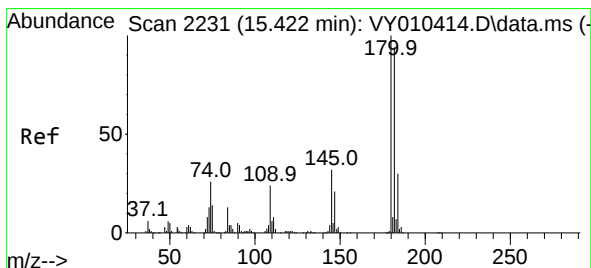
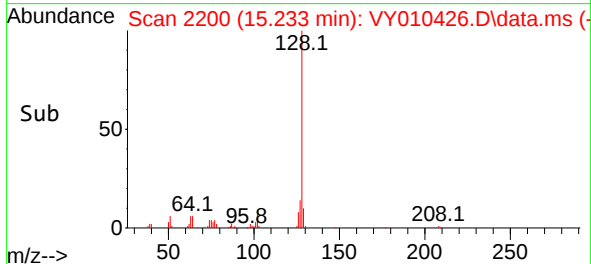
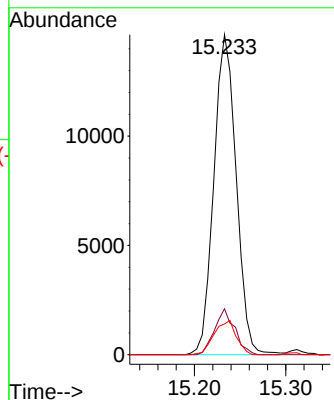
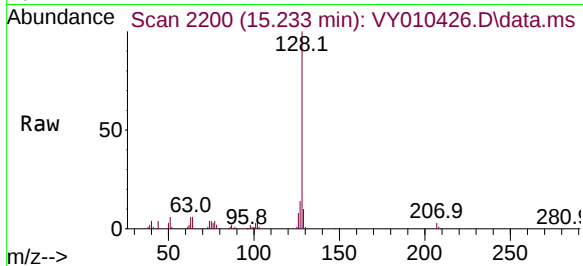




#95
Naphthalene
Concen: 3.753 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

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

Tgt Ion:	128	Resp:	24971
Ion Ratio	Lower	Upper	
128	100		
127	12.9	11.0	16.4
129	10.6	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 4.055 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY010426.D
Acq: 09 Sep 2022 18:31

Tgt Ion:	180	Resp:	11941
Ion Ratio	Lower	Upper	
180	100		
182	92.7	47.3	141.9
145	31.6	15.3	45.9

