

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076750.D
 Acq On : 17 Jul 2023 13:09
 Operator : KP/SY
 Sample : 03572-01 4.0ppb
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 18 02:08:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 18 02:08:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	199153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	367300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	331149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	149978	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89931	45.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.680%
35) Dibromofluoromethane	7.804	113	109758	47.553	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.100%
50) Toluene-d8	10.269	98	373077	45.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.360%
62) 4-Bromofluorobenzene	12.575	95	121888	45.631	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.260%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	6522	4.188	ug/l	94
3) Chloromethane	2.146	50	10479	3.901	ug/l	94
4) Vinyl Chloride	2.281	62	13242	3.698	ug/l	98
5) Bromomethane	2.687	94	11980	4.066	ug/l	96
6) Chloroethane	2.828	64	10051	3.717	ug/l	99
7) Trichlorofluoromethane	3.163	101	11997	3.765	ug/l	98
8) Diethyl Ether	3.593	74	3922	3.575	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	7949	3.795	ug/l	92
10) Methyl Iodide	4.152	142	8095	3.428	ug/l #	86
11) Tert butyl alcohol	5.046	59	1993	13.464	ug/l #	73
12) 1,1-Dichloroethene	3.928	96	7229	3.673	ug/l	98
13) Acrolein	3.805	56	2404	23.832	ug/l	93
14) Allyl chloride	4.552	41	9950	3.849	ug/l	94
15) Acrylonitrile	5.257	53	9794	18.176	ug/l	99
16) Acetone	4.022	43	8339	17.603	ug/l	88
17) Carbon Disulfide	4.269	76	17952	3.906	ug/l	97
18) Methyl Acetate	4.563	43	6353	3.569	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	19006	3.601	ug/l	100
20) Methylene Chloride	4.799	84	17684	4.513	ug/l #	88
21) trans-1,2-Dichloroethene	5.305	96	8467	3.701	ug/l	89
22) Diisopropyl ether	6.222	45	21105	3.448	ug/l	93
23) Vinyl Acetate	6.157	43	49836	16.453	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	15414	3.734	ug/l	92
25) 2-Butanone	7.075	43	13308	20.990	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	17572	4.939	ug/l	91
27) cis-1,2-Dichloroethene	7.069	96	11515	4.083	ug/l	92
28) Bromochloromethane	7.416	49	3731	3.616	ug/l #	93
29) Tetrahydrofuran	7.440	42	6501	17.354	ug/l	96
30) Chloroform	7.599	83	17194	3.803	ug/l	86
31) Cyclohexane	7.875	56	13668	4.682	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	14205	3.895	ug/l #	83
36) 1,1-Dichloropropene	8.010	75	11342	3.760	ug/l	97
37) Ethyl Acetate	7.163	43	1713	1.270	ug/l #	74
38) Carbon Tetrachloride	7.987	117	10163	3.519	ug/l	95
39) Methylcyclohexane	9.269	83	11963	3.435	ug/l	89
40) Benzene	8.251	78	34828	3.660	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1976	2.399	ug/l #	81
42) 1,2-Dichloroethane	8.328	62	9688	3.918	ug/l	96
43) Isopropyl Acetate	8.363	43	9693	3.682	ug/l #	79
44) Trichloroethene	9.028	130	9751	3.760	ug/l	95
45) 1,2-Dichloropropane	9.304	63	8997	3.662	ug/l	97
46) Dibromomethane	9.393	93	5068	3.525	ug/l	97
47) Bromodichloromethane	9.581	83	13406	3.715	ug/l #	96
48) Methyl methacrylate	9.387	41	4068	3.395	ug/l #	83
49) 1,4-Dioxane	9.387	88	1298	70.456	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	23505	16.771	ug/l	94
52) Toluene	10.334	92	23834	3.813	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	11130	3.323	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	13968	3.539	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	8200	3.905	ug/l	96
56) Ethyl methacrylate	10.598	69	8211	3.388	ug/l #	86
57) 1,3-Dichloropropane	10.881	76	12466	3.646	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	15486	16.508	ug/l	90
59) 2-Hexanone	10.922	43	16020	16.019	ug/l	93
60) Dibromochloromethane	11.075	129	8921	3.657	ug/l	95
61) 1,2-Dibromoethane	11.181	107	7216	3.707	ug/l	98
64) Tetrachloroethene	10.810	164	8446	4.473	ug/l	89
65) Chlorobenzene	11.610	112	27077	4.066	ug/l #	89
66) 1,1,1,2-Tetrachloroethane	11.681	131	9252	3.731	ug/l	97
67) Ethyl Benzene	11.681	91	42210	3.609	ug/l	95
68) m/p-Xylenes	11.792	106	32173	7.162	ug/l	97
69) o-Xylene	12.122	106	16245	3.740	ug/l	94
70) Styrene	12.134	104	25918	3.408	ug/l	98
71) Bromoform	12.292	173	5581	4.110	ug/l #	99
73) Isopropylbenzene	12.422	105	38456	3.534	ug/l	99
74) N-amyl acetate	12.234	43	7518	3.280	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	9116	3.902	ug/l	92
76) 1,2,3-Trichloropropane	12.722	75	10678	7.487	ug/l #	100
77) Bromobenzene	12.698	156	9507	3.785	ug/l	85
78) n-propylbenzene	12.763	91	48765	3.697	ug/l	94
79) 2-Chlorotoluene	12.845	91	27026	3.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	32314	3.673	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	2877	4.293	ug/l	93
82) 4-Chlorotoluene	12.945	91	27786	3.677	ug/l	98
83) tert-Butylbenzene	13.169	119	29432	3.799	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	31281	3.479	ug/l	96
85) sec-Butylbenzene	13.345	105	42304	3.574	ug/l	96
86) p-Isopropyltoluene	13.463	119	33737	3.451	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	20323	3.934	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	20046	3.961	ug/l	94
89) n-Butylbenzene	13.786	91	35076	3.667	ug/l	94
90) Hexachloroethane	14.051	117	7201	3.985	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	16997	3.734	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1436	4.311	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	10915	3.928	ug/l	94
94) Hexachlorobutadiene	15.204	225	5438	4.069	ug/l	95
95) Naphthalene	15.328	128	20734	3.446	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	9643	3.867	ug/l	96

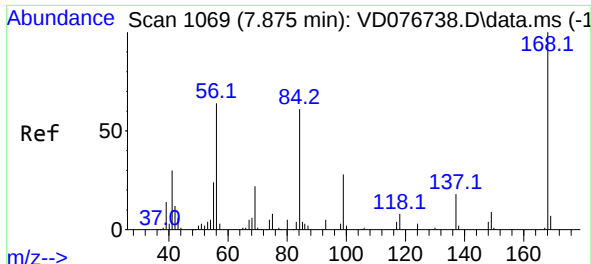
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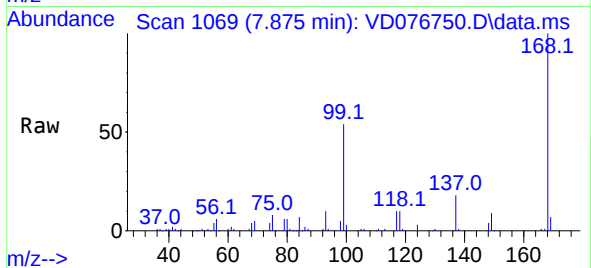
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

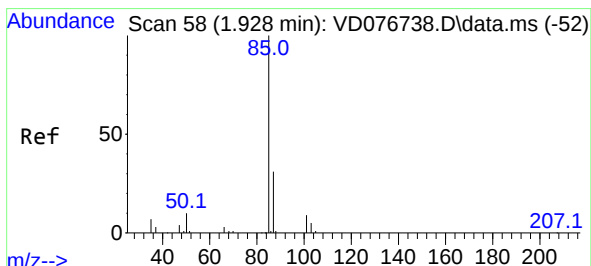
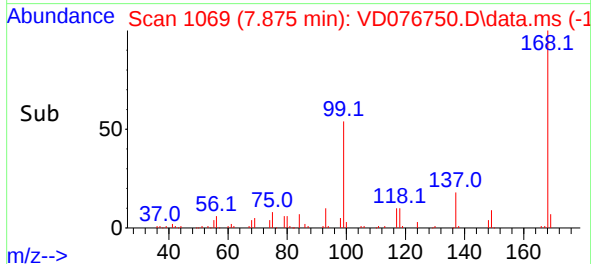
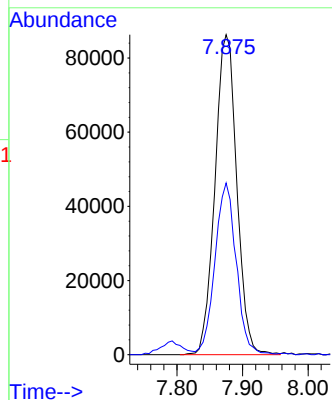


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

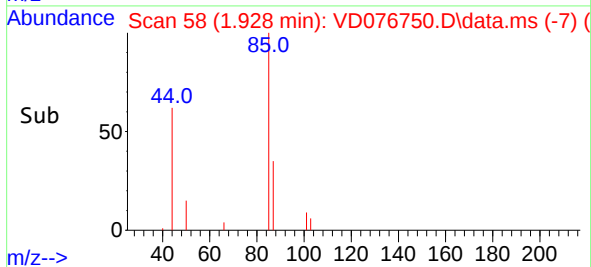
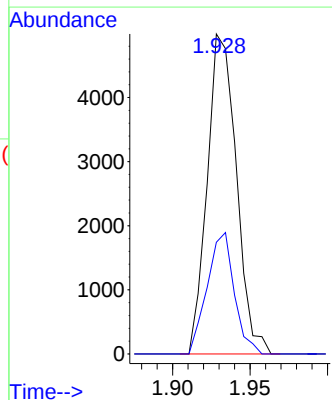
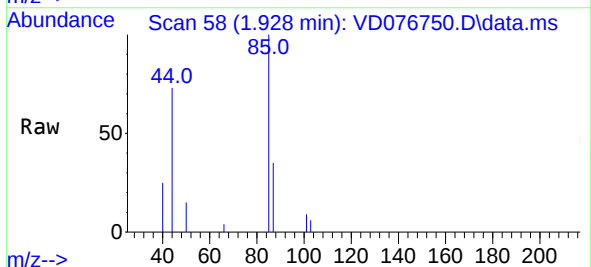


Tgt Ion:168 Resp: 199153
Ion Ratio Lower Upper
168 100
99 53.3 36.7 55.1

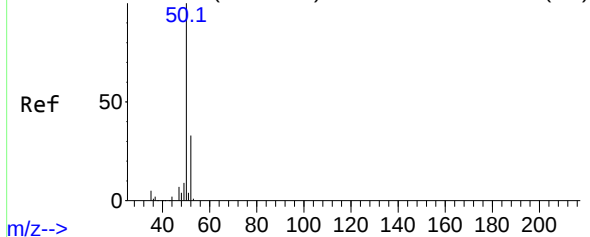


#2
Dichlorodifluoromethane
Concen: 4.188 ug/l
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 85 Resp: 6522
Ion Ratio Lower Upper
85 100
87 34.9 15.7 47.0



Abundance Scan 95 (2.146 min): VD076738.D\data.ms (-88)



#3

Chloromethane

Concen: 3.901 ug/l

RT: 2.146 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

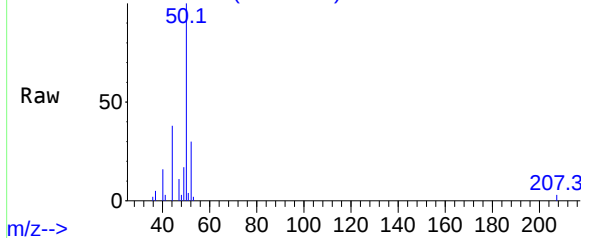
Tgt Ion: 50 Resp: 10479

Ion Ratio Lower Upper

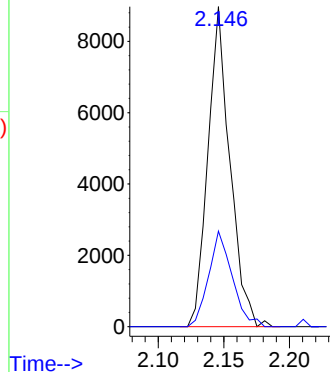
50 100

52 29.8 26.6 40.0

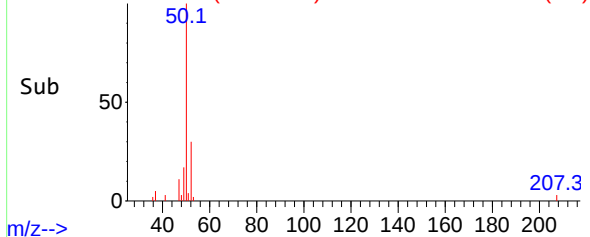
Abundance Scan 95 (2.146 min): VD076750.D\data.ms



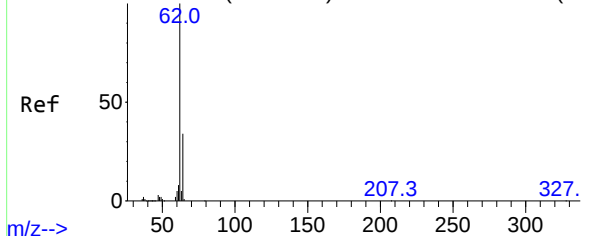
Abundance



Abundance Scan 95 (2.146 min): VD076750.D\data.ms (-44)



Abundance Scan 117 (2.275 min): VD076738.D\data.ms (-11)



#4

Vinyl Chloride

Concen: 3.698 ug/l

RT: 2.281 min Scan# 118

Delta R.T. 0.006 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

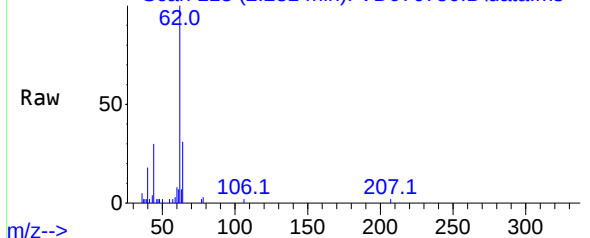
Tgt Ion: 62 Resp: 13242

Ion Ratio Lower Upper

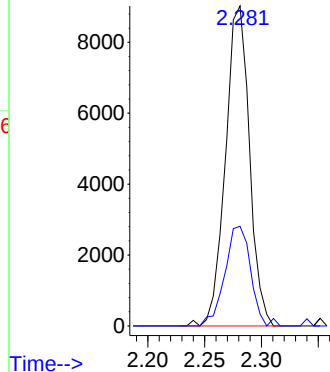
62 100

64 31.2 26.0 39.0

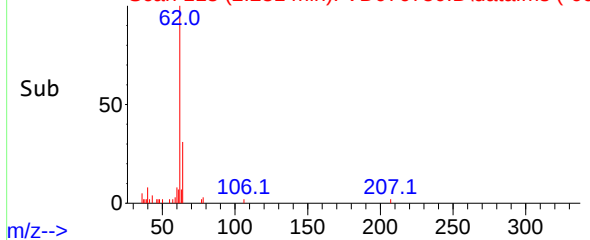
Abundance Scan 118 (2.281 min): VD076750.D\data.ms

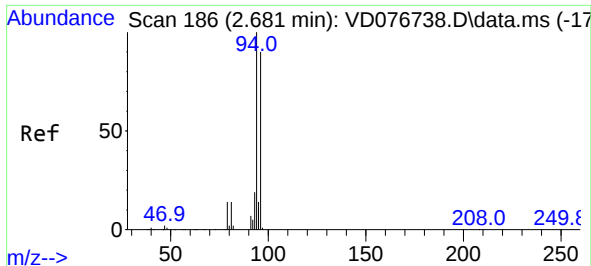


Abundance



Abundance Scan 118 (2.281 min): VD076750.D\data.ms (-66)

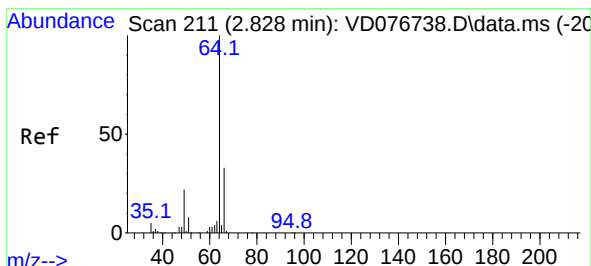
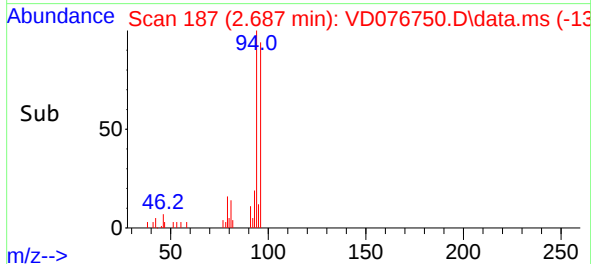
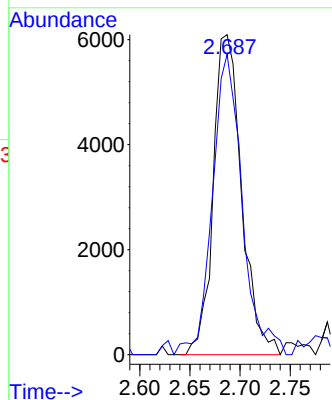
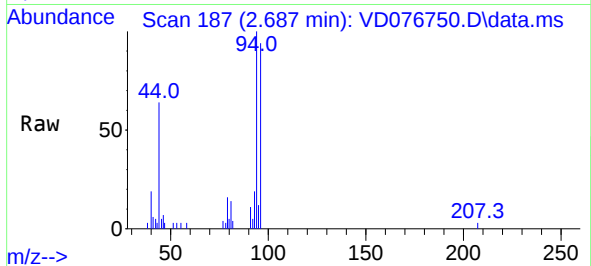




#5
Bromomethane
Concen: 4.066 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

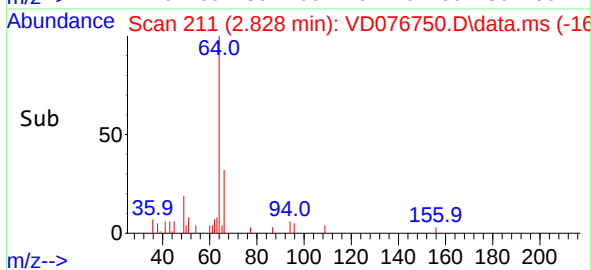
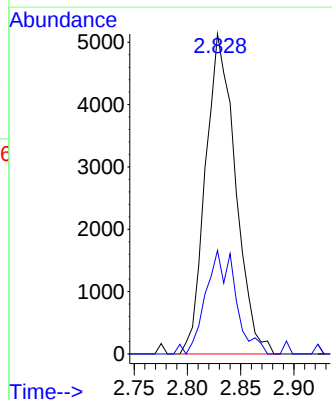
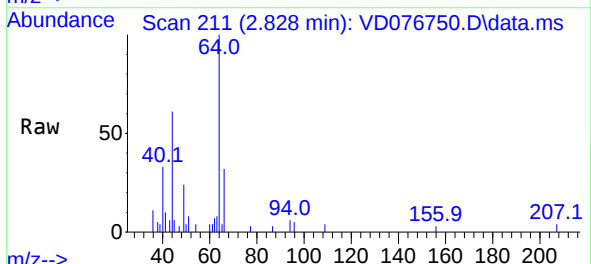
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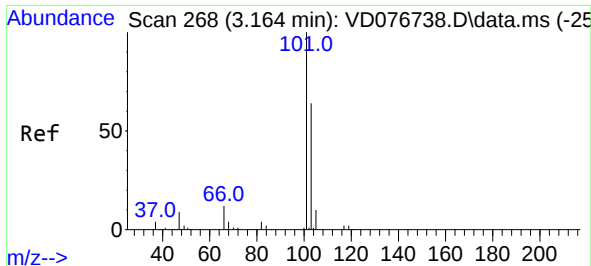
Tgt Ion: 94 Resp: 11980
Ion Ratio Lower Upper
94 100
96 98.8 75.8 113.8



#6
Chloroethane
Concen: 3.717 ug/l
RT: 2.828 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 64 Resp: 10051
Ion Ratio Lower Upper
64 100
66 32.4 25.5 38.3

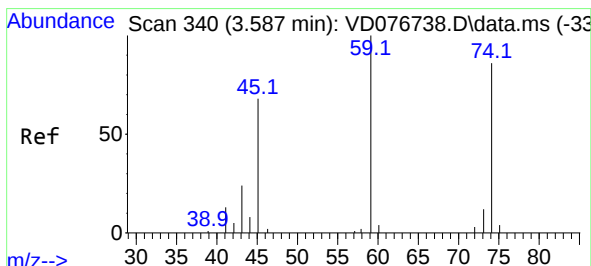
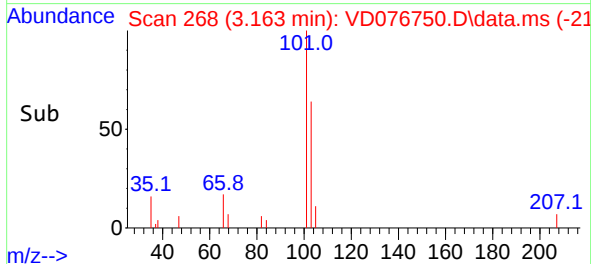
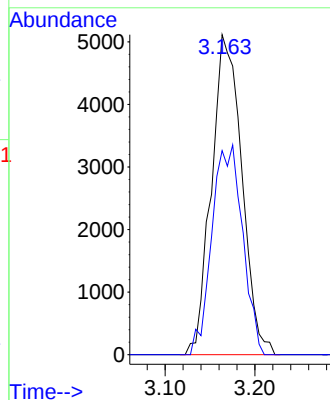
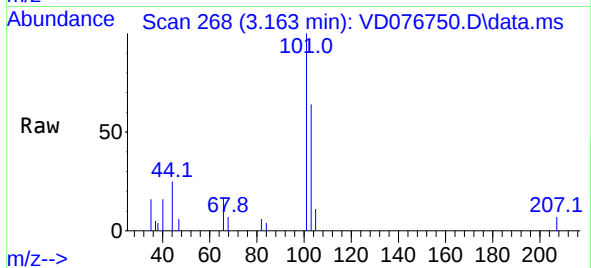




#7
 Trichlorofluoromethane
 Concen: 3.765 ug/l
 RT: 3.163 min Scan# 201
 Delta R.T. -0.001 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

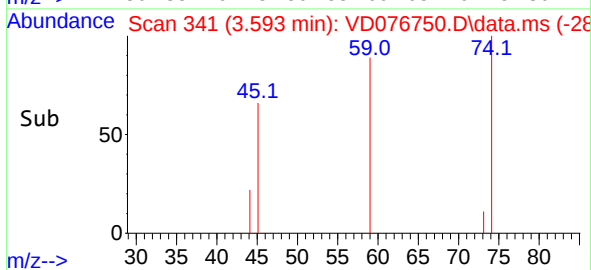
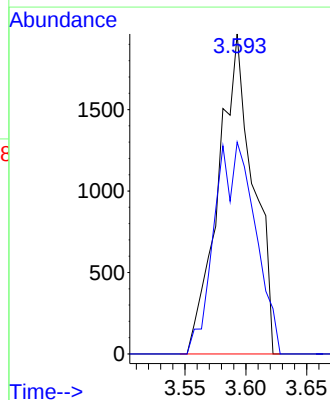
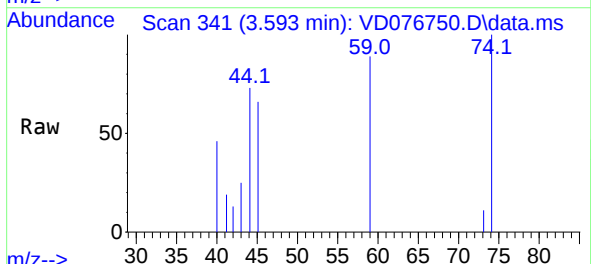
Instrument :
 MSVOA_D
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 LOD-MDL-SOIL-01-QT3-2023

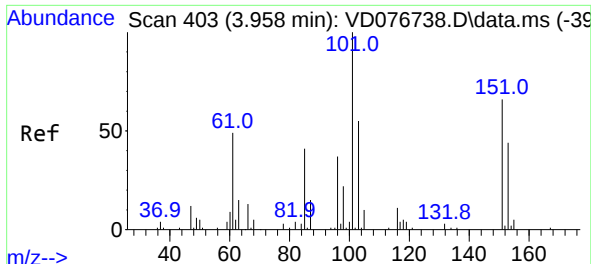
Tgt Ion:101 Resp: 11997
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.3 78.5



#8
 Diethyl Ether
 Concen: 3.575 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

Tgt Ion: 74 Resp: 3922
 Ion Ratio Lower Upper
 74 100
 45 77.3 37.5 112.7



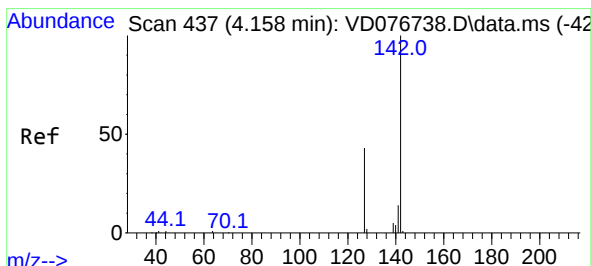
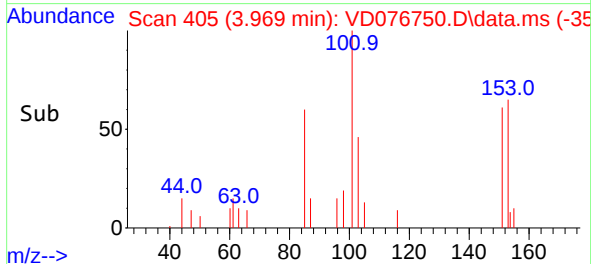
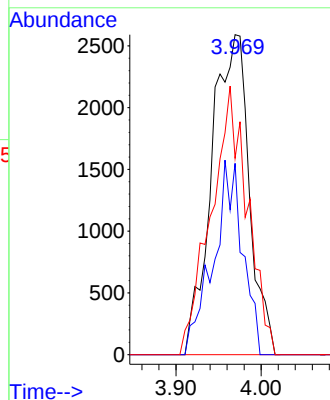
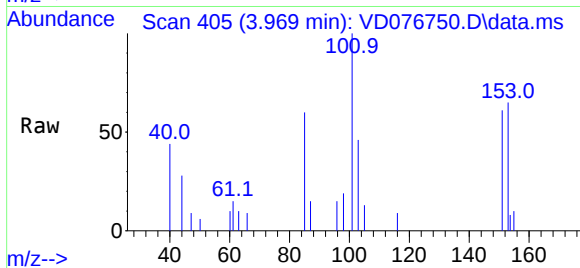


#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.795 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.011 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:101 Resp: 7949

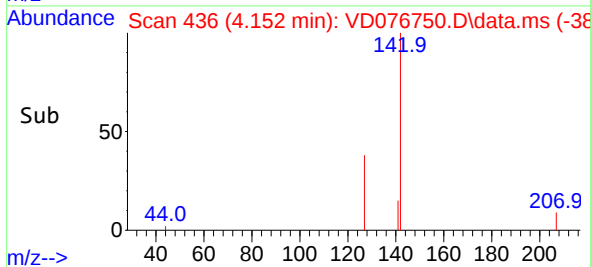
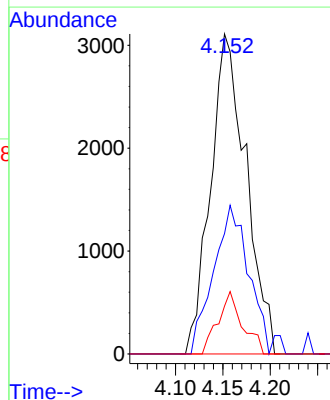
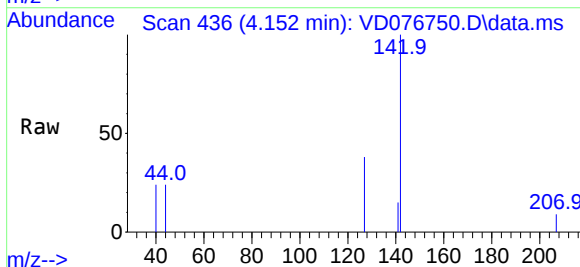
Ion	Ratio	Lower	Upper
101	100		
85	47.3	33.8	50.6
151	81.4	59.8	89.6

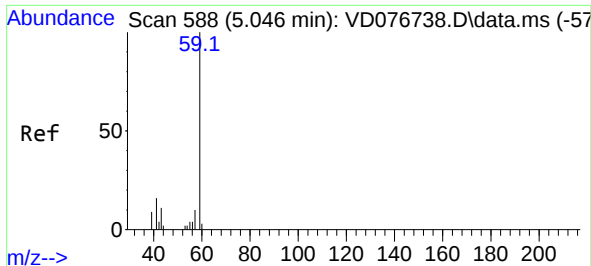


#10
Methyl Iodide
Concen: 3.428 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:142 Resp: 8095

Ion	Ratio	Lower	Upper
142	100		
127	47.6	29.4	44.0#
141	13.5	11.1	16.7

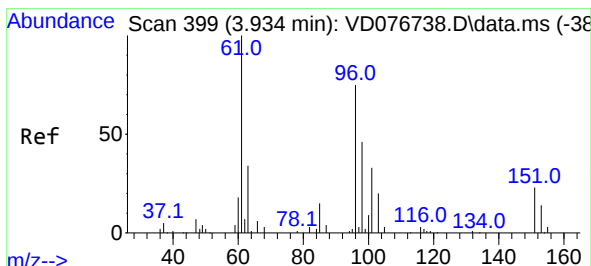
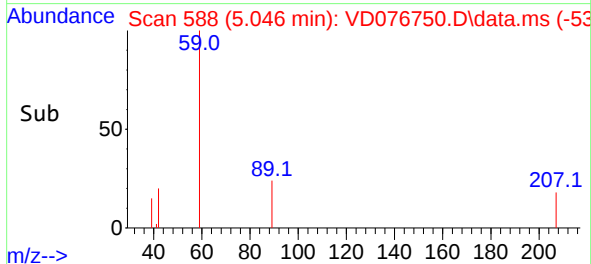
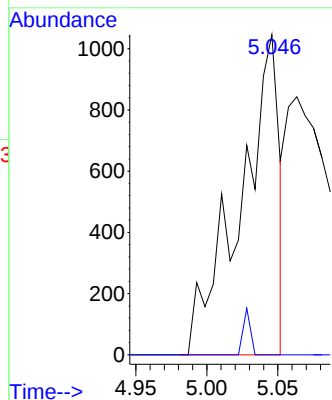
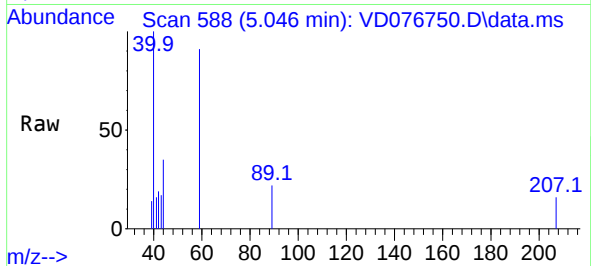




#11
Tert butyl alcohol
Concen: 13.464 ug/l
RT: 5.046 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

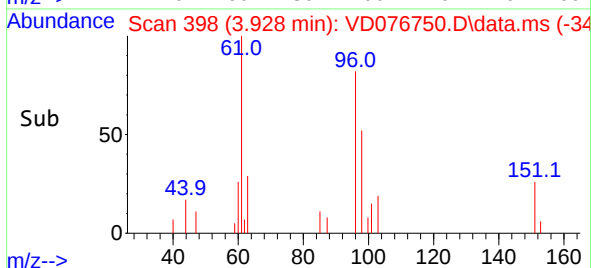
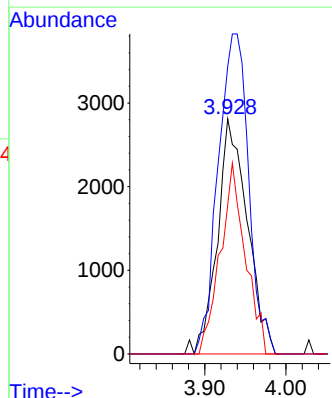
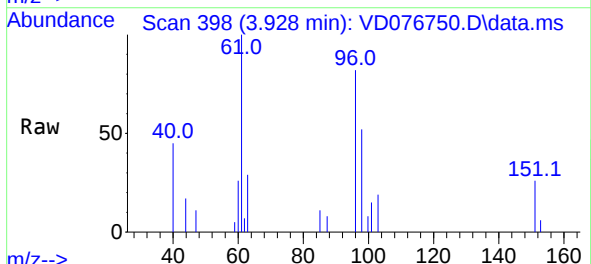
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

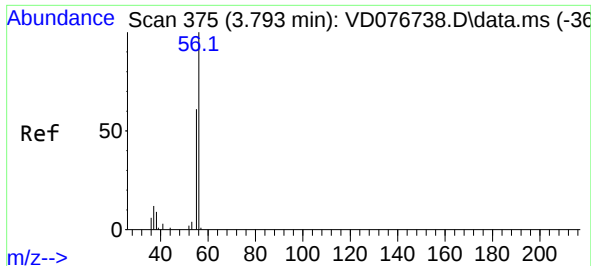
Tgt Ion: 59 Resp: 1993
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 3.673 ug/l
RT: 3.928 min Scan# 398
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 96 Resp: 7229
Ion Ratio Lower Upper
96 100
61 122.2 100.6 150.8
98 63.4 50.2 75.2

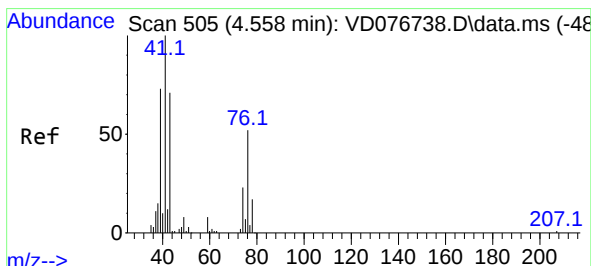
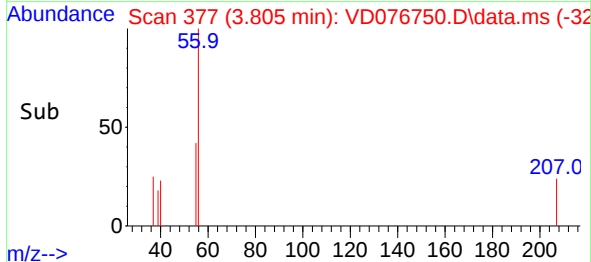
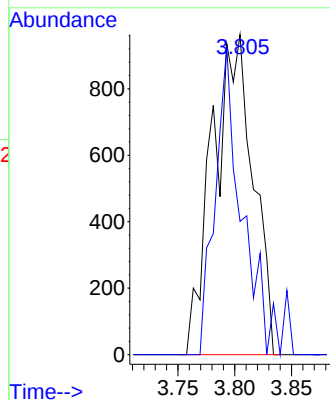
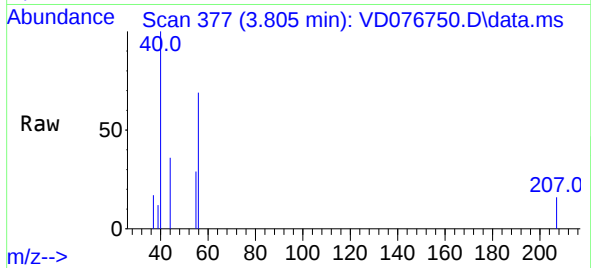




#13
Acrolein
Concen: 23.832 ug/l
RT: 3.805 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

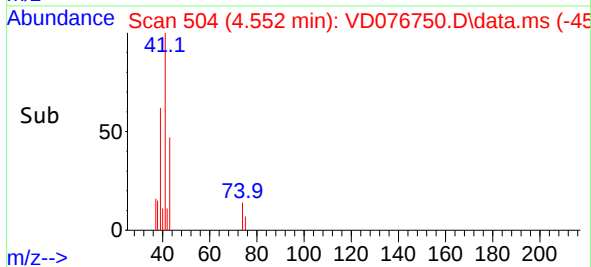
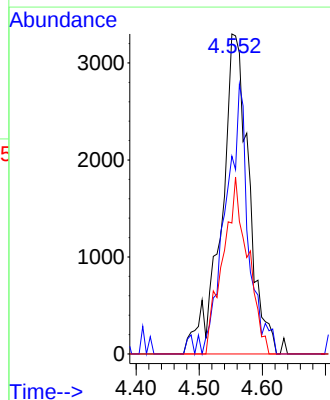
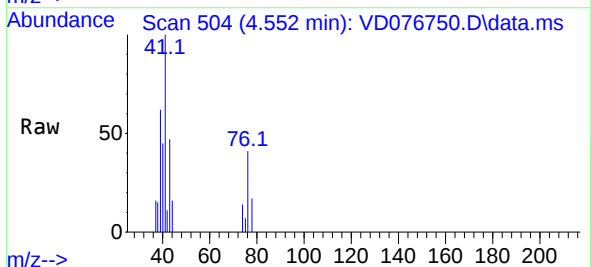
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

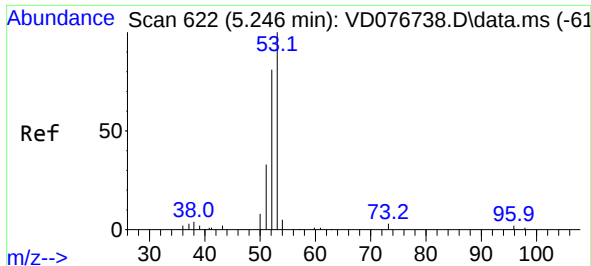
Tgt Ion: 56 Resp: 2404
Ion Ratio Lower Upper
56 100
55 63.1 55.1 82.7



#14
Allyl chloride
Concen: 3.849 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 41 Resp: 9950
Ion Ratio Lower Upper
41 100
39 70.2 53.8 80.6
76 50.1 45.8 68.8

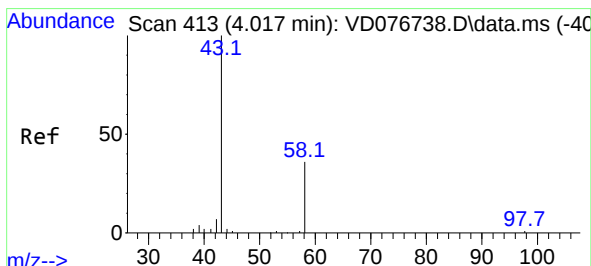
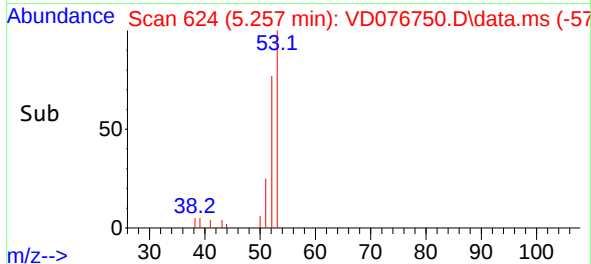
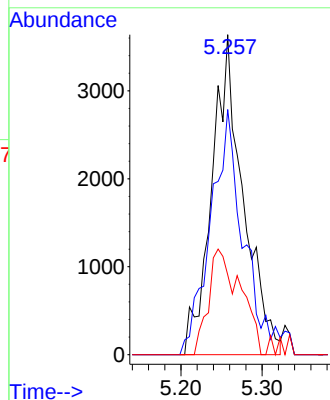
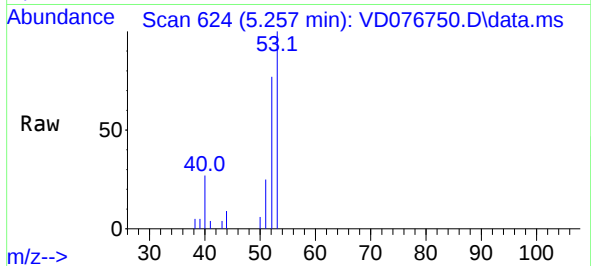




#15
Acrylonitrile
Concen: 18.176 ug/l
RT: 5.257 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

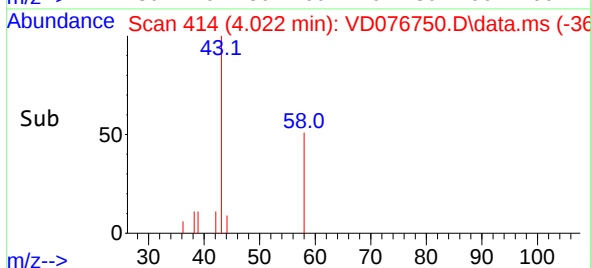
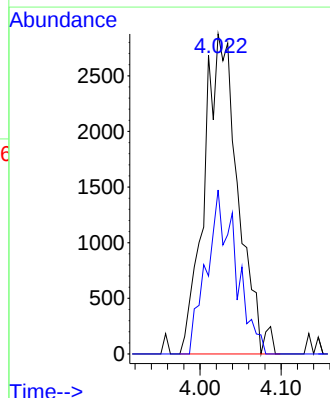
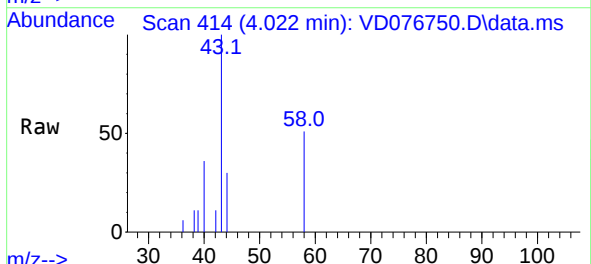
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

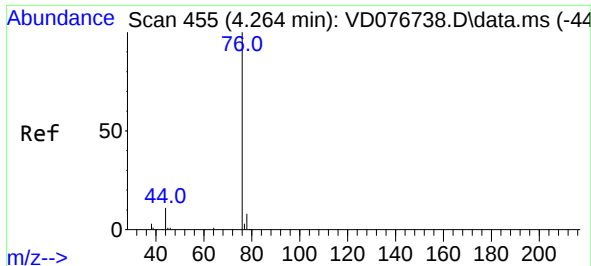
Tgt Ion: 53	Resp:	9794	
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.0	97.4
51	33.6	28.3	42.5



#16
Acetone
Concen: 17.603 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 43	Resp:	8339	
Ion	Ratio	Lower	Upper
43	100		
58	51.3	34.7	52.1

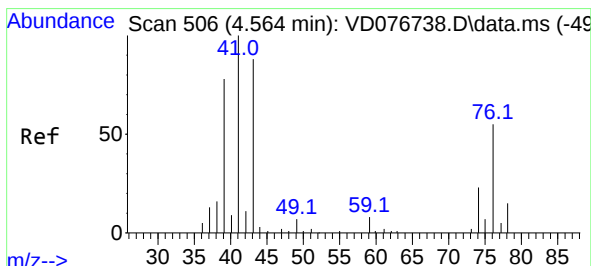
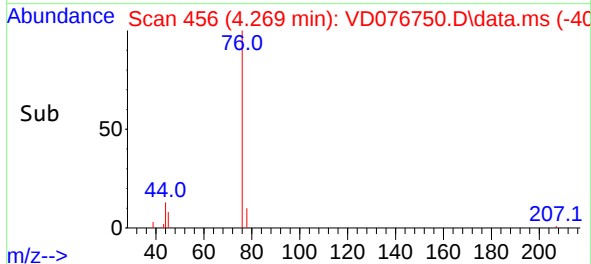
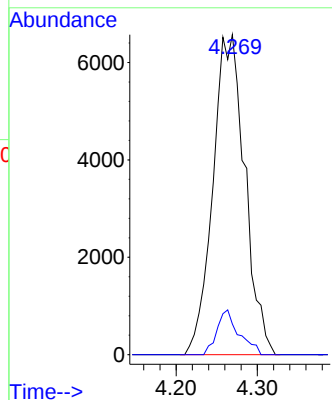
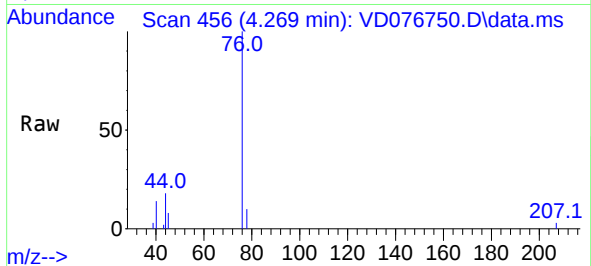




#17
Carbon Disulfide
Concen: 3.906 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

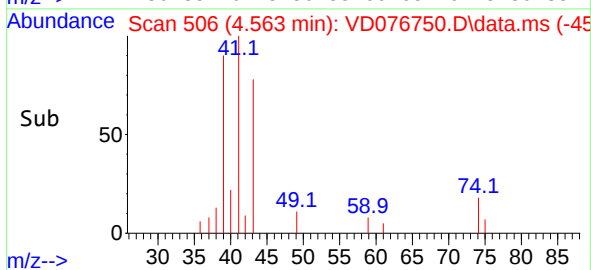
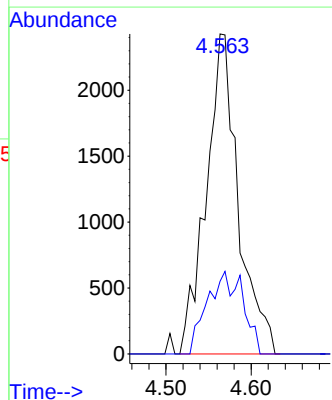
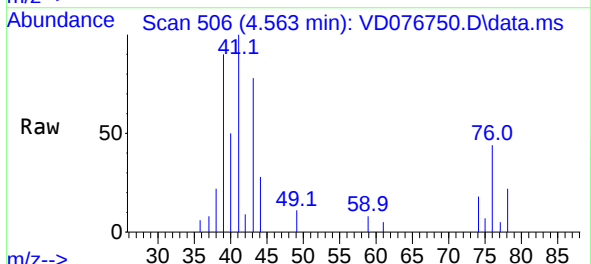
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

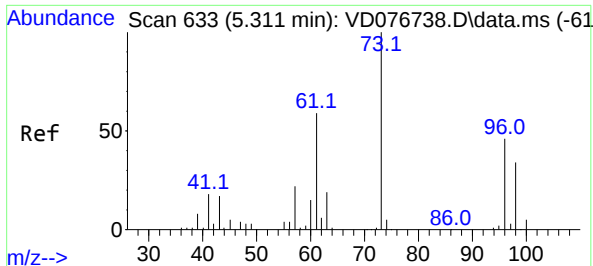
Tgt Ion: 76 Resp: 17952
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 3.569 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 43 Resp: 6353
Ion Ratio Lower Upper
43 100
74 28.6 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 3.601 ug/l

RT: 5.322 min Scan# 61

Delta R.T. 0.011 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

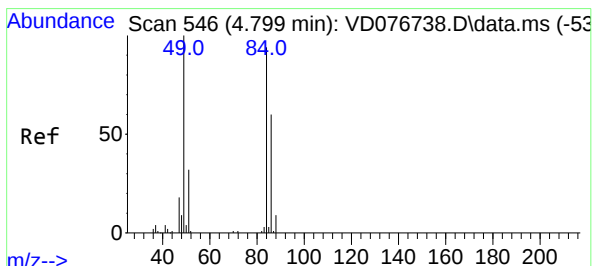
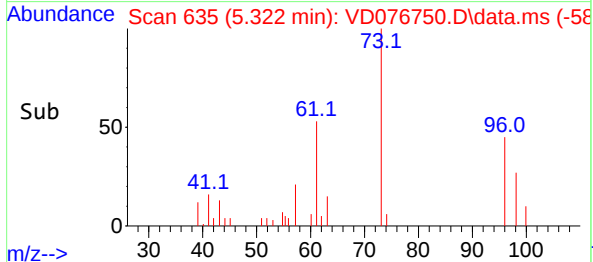
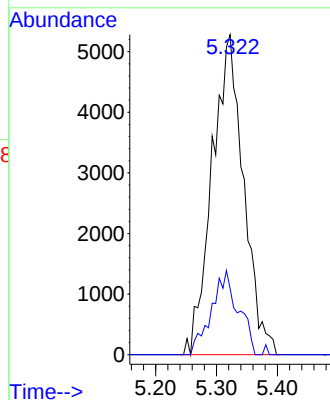
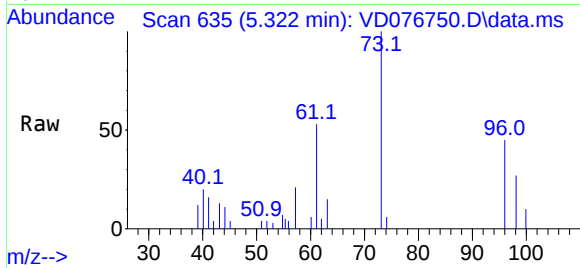
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 73 Resp: 19006

Ion Ratio Lower Upper

73 100

57 20.6 16.6 25.0



#20

Methylene Chloride

Concen: 4.513 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Tgt Ion: 84 Resp: 17684

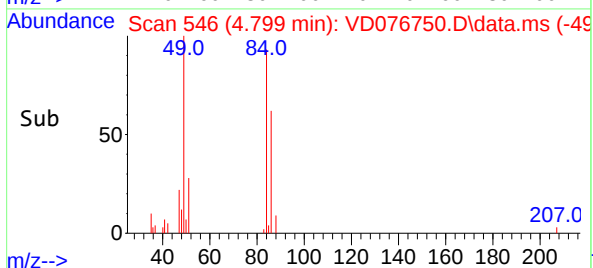
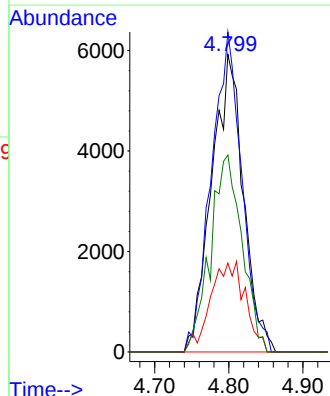
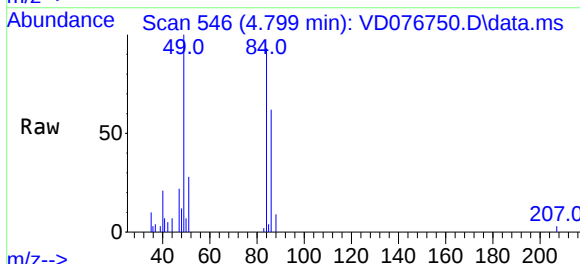
Ion Ratio Lower Upper

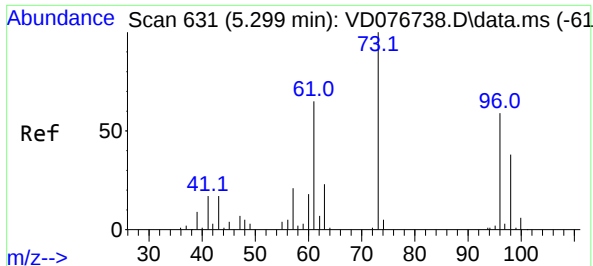
84 100

49 107.5 71.4 107.2#

51 29.8 24.5 36.7

86 66.2 48.7 73.1

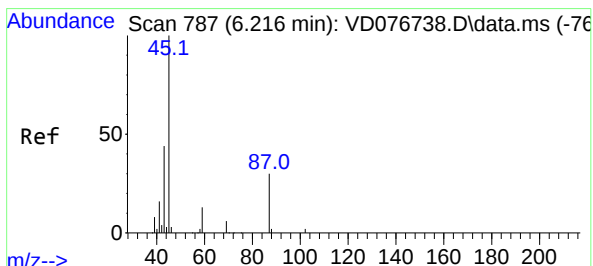
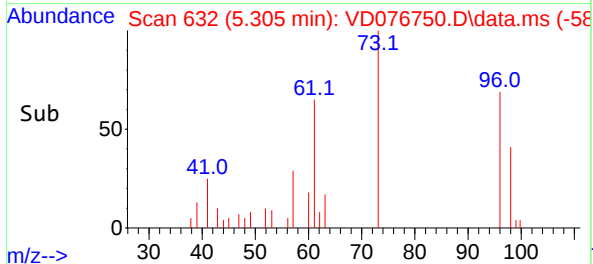
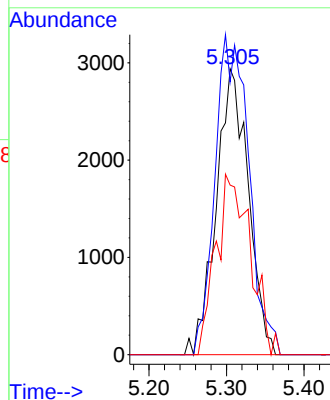
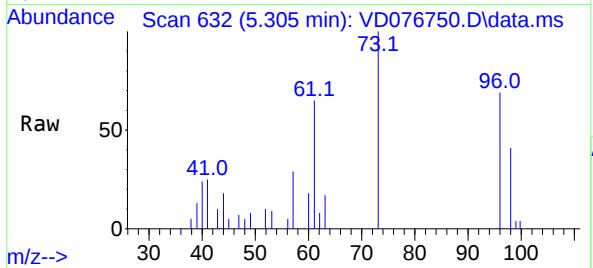




#21
trans-1,2-Dichloroethene
Concen: 3.701 ug/l
RT: 5.305 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

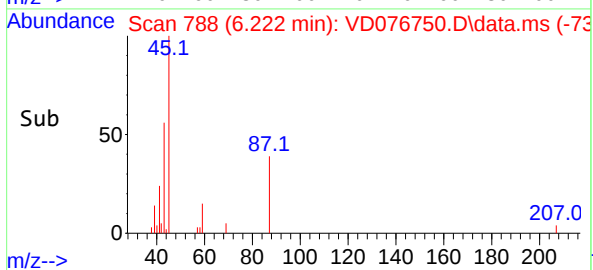
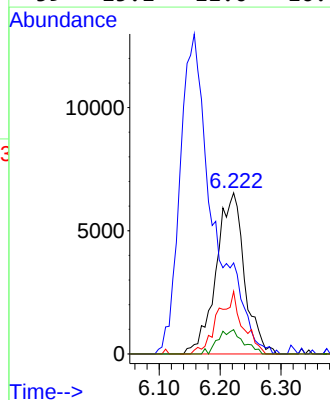
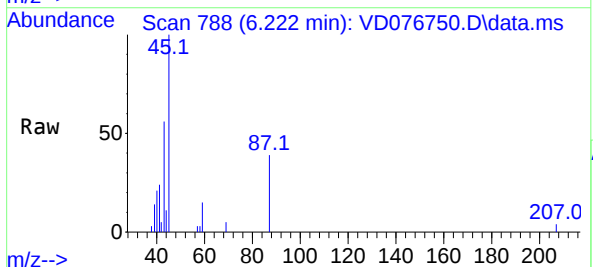
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

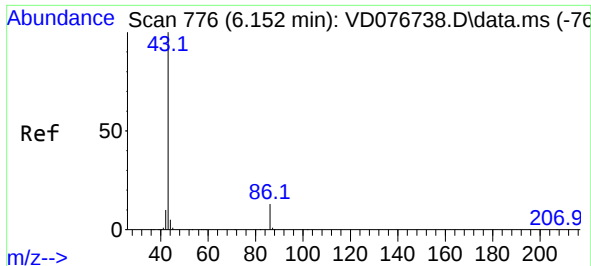
Tgt Ion: 96 Resp: 8467
Ion Ratio Lower Upper
96 100
61 95.4 89.3 133.9
98 59.3 48.6 73.0



#22
Diisopropyl ether
Concen: 3.448 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 45 Resp: 21105
Ion Ratio Lower Upper
45 100
43 56.4 40.0 60.0
87 38.8 28.2 42.4
59 15.1 11.0 16.4

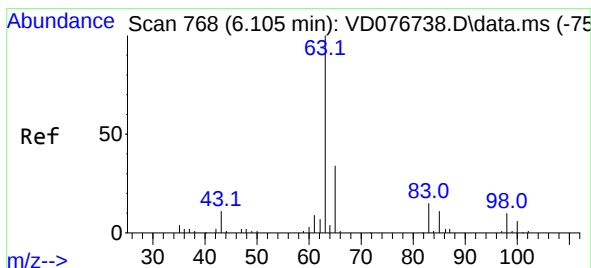
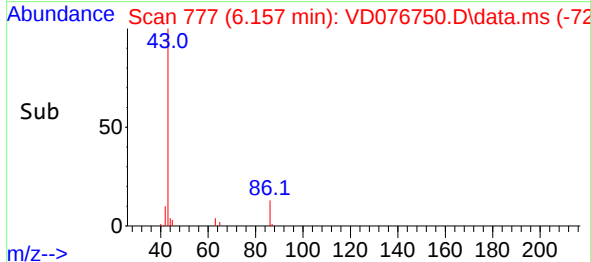
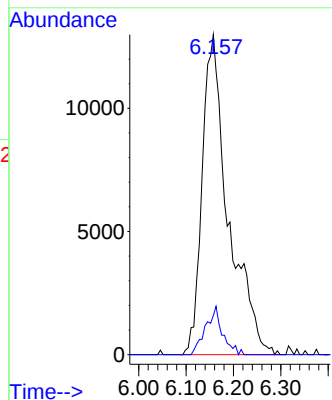
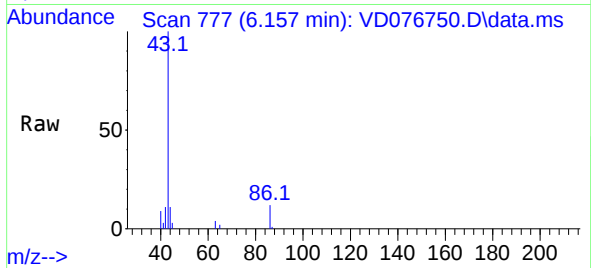




#23
Vinyl Acetate
Concen: 16.453 ug/l
RT: 6.157 min Scan# 71
Delta R.T. 0.005 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

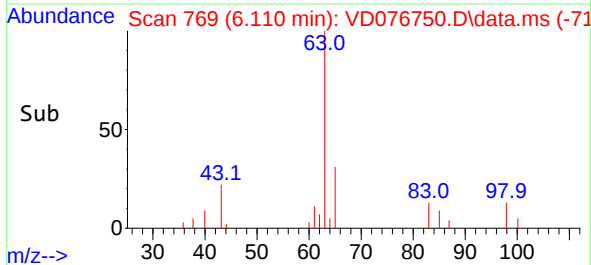
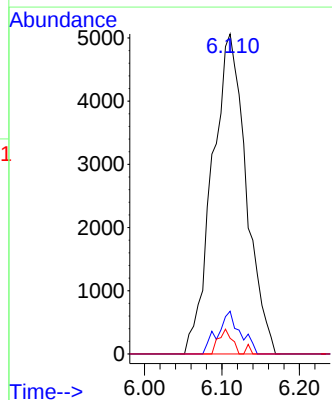
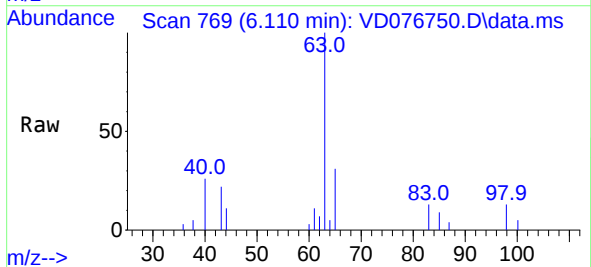
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

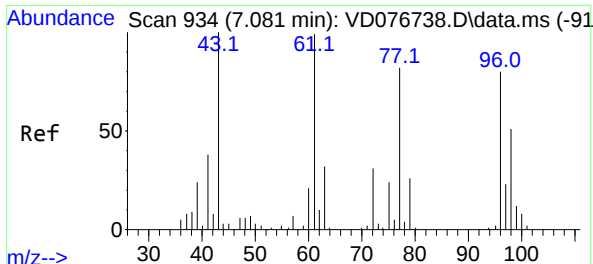
Tgt Ion: 43 Resp: 49836
Ion Ratio Lower Upper
43 100
86 12.2 12.5 18.7#



#24
1,1-Dichloroethane
Concen: 3.734 ug/l
RT: 6.110 min Scan# 769
Delta R.T. 0.005 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 63 Resp: 15414
Ion Ratio Lower Upper
63 100
98 13.4 4.5 13.7
100 4.9 2.5 7.5

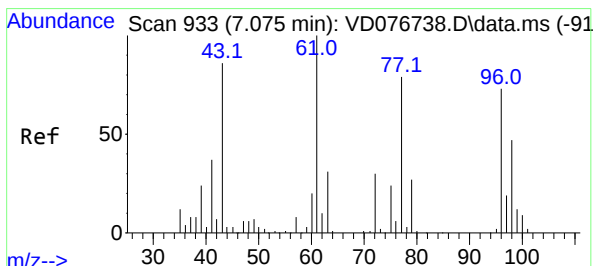
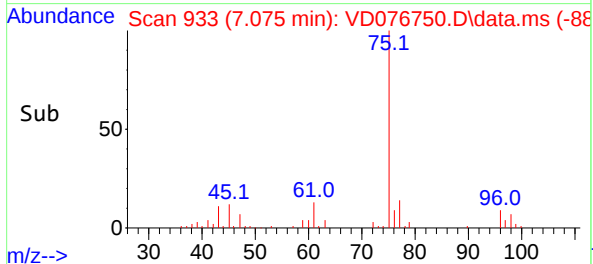
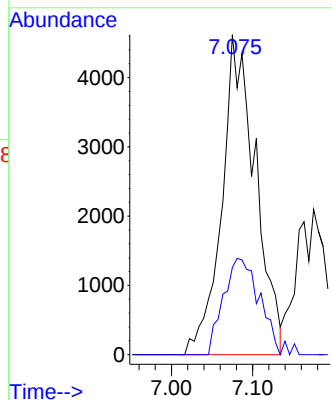
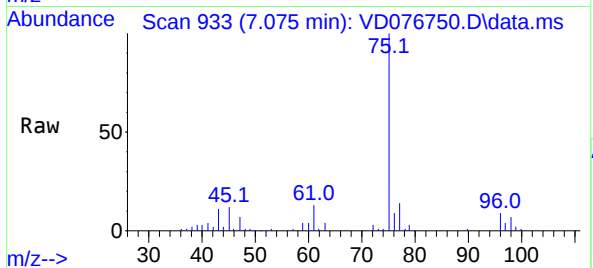




#25
2-Butanone
Concen: 20.990 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

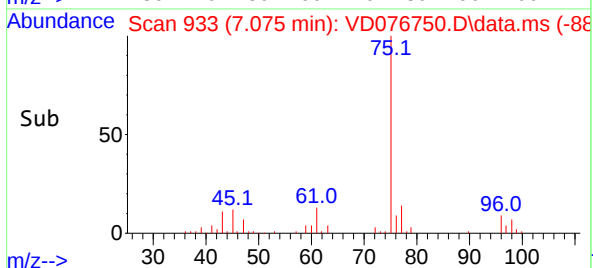
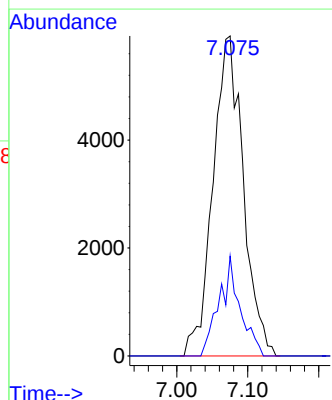
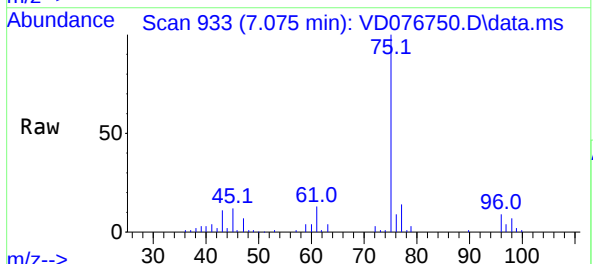
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

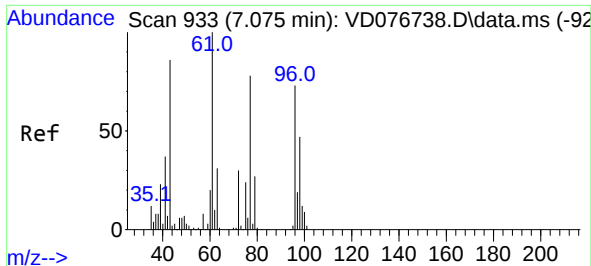
Tgt Ion: 43 Resp: 13308
Ion Ratio Lower Upper
43 100
72 27.2 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 4.939 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 77 Resp: 17572
Ion Ratio Lower Upper
77 100
97 21.6 13.2 39.6

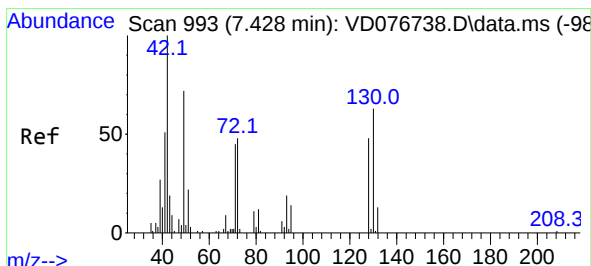
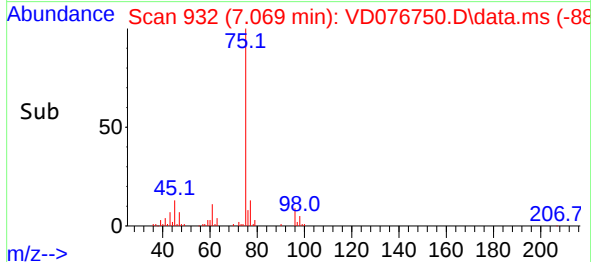
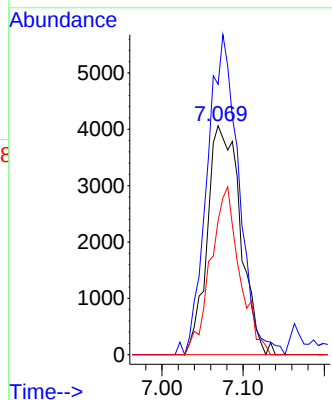
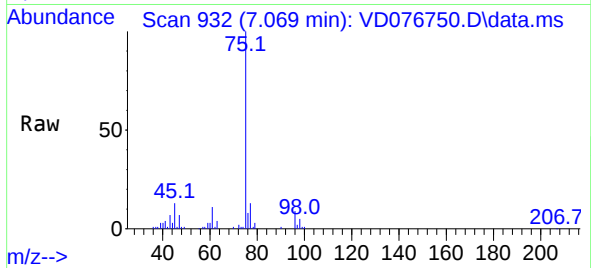




#27
 cis-1,2-Dichloroethene
 Concen: 4.083 ug/l
 RT: 7.069 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

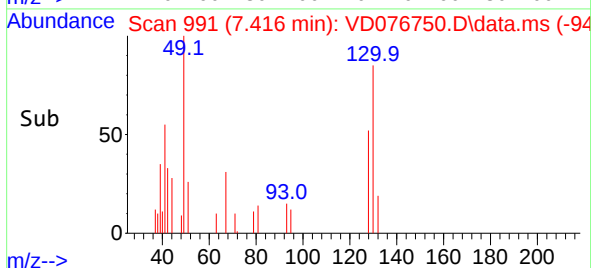
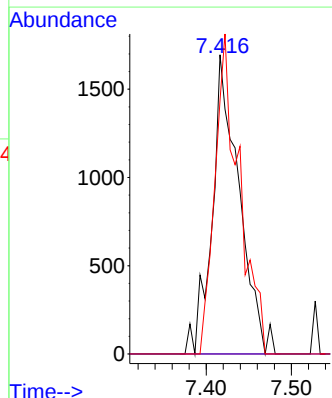
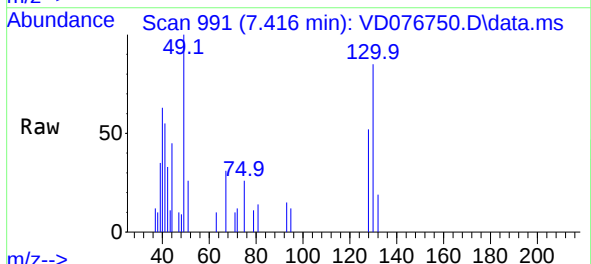
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

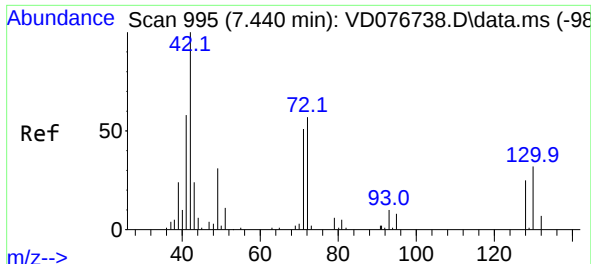
Tgt Ion: 96	Resp: 11515
Ion Ratio	Lower Upper
96 100	
61 133.9	0.0 239.2
98 64.3	0.0 128.6



#28
 Bromochloromethane
 Concen: 3.616 ug/l
 RT: 7.416 min Scan# 991
 Delta R.T. -0.012 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

Tgt Ion: 49	Resp: 3731
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 6.0
130 96.6	83.2 124.8

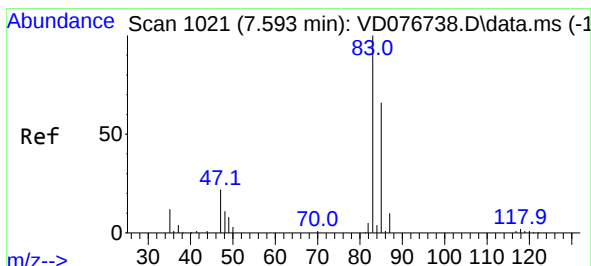
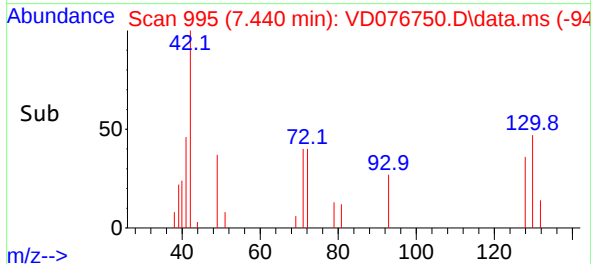
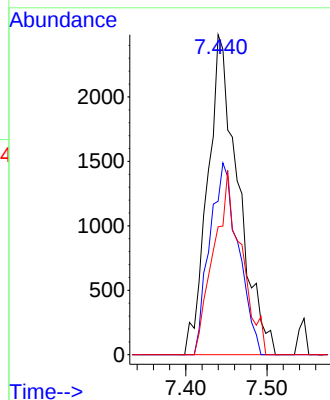
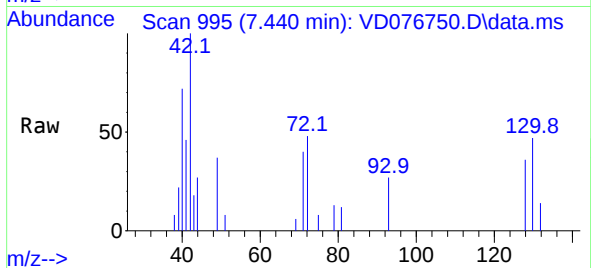




#29
Tetrahydrofuran
Concen: 17.354 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

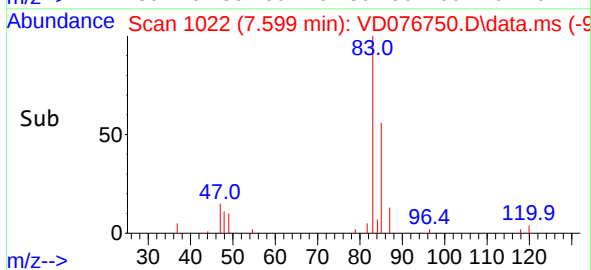
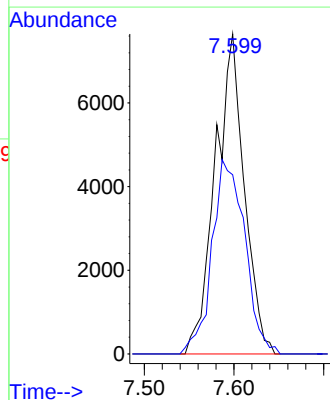
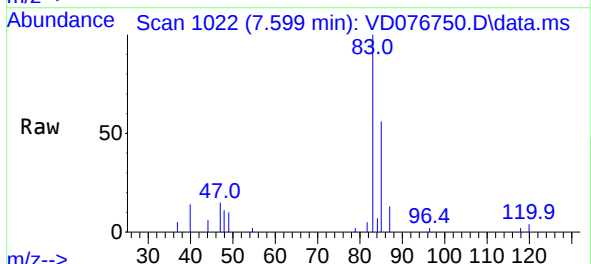
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

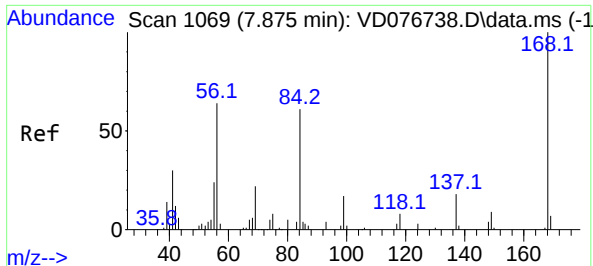
Tgt Ion: 42 Resp: 6501
Ion Ratio Lower Upper
42 100
72 56.0 46.5 69.7
71 51.8 44.5 66.7



#30
Chloroform
Concen: 3.803 ug/l
RT: 7.599 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

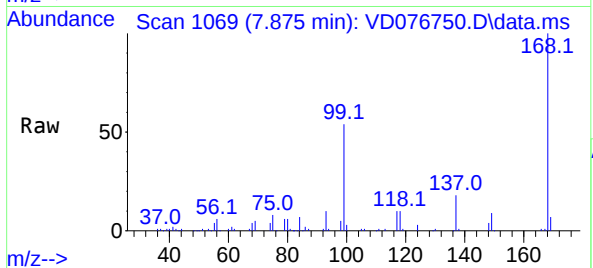
Tgt Ion: 83 Resp: 17194
Ion Ratio Lower Upper
83 100
85 56.0 53.4 80.2



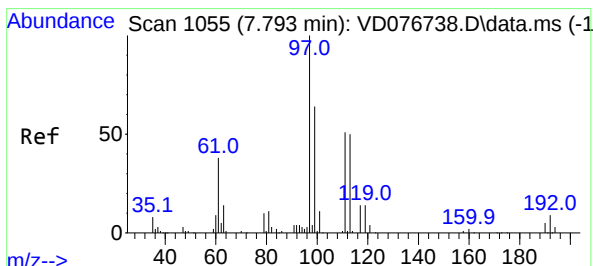
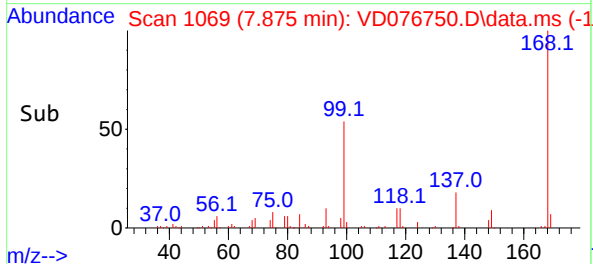
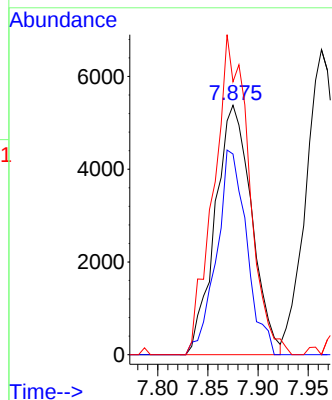


#31
Cyclohexane
Concen: 4.682 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

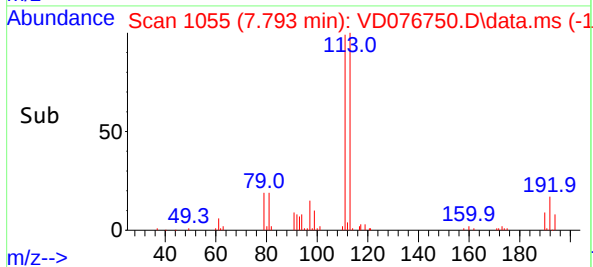
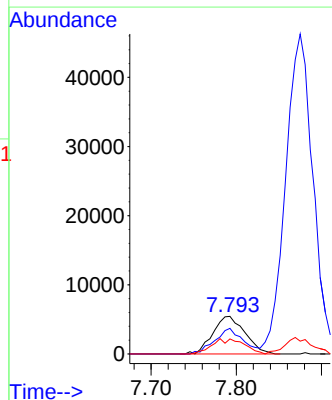
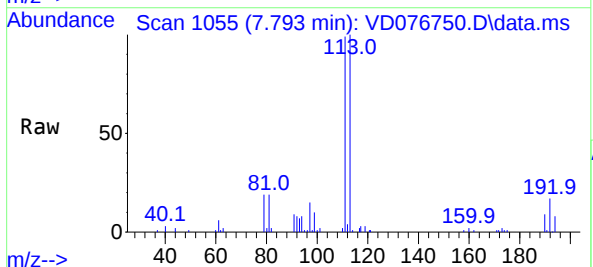


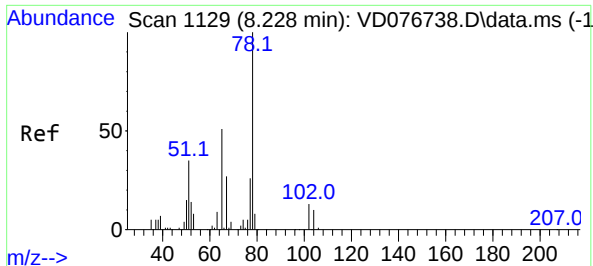
Tgt Ion: 56 Resp: 13668
Ion Ratio Lower Upper
56 100
69 80.4 28.6 43.0#
84 109.4 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 3.895 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 97 Resp: 14205
Ion Ratio Lower Upper
97 100
99 61.3 52.0 78.0
61 18.8 33.8 50.8#





#33

1,2-Dichloroethane-d4

Concen: 45.337 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

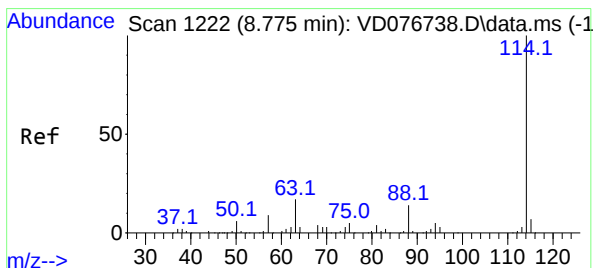
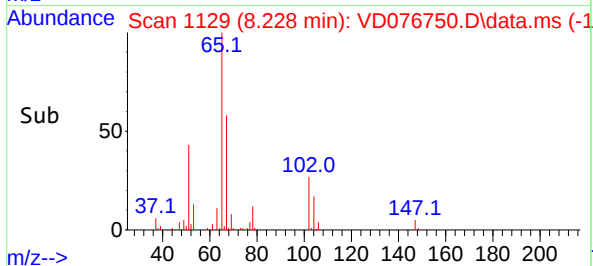
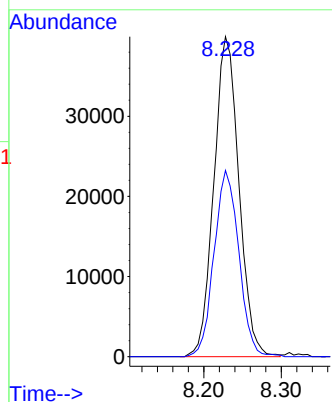
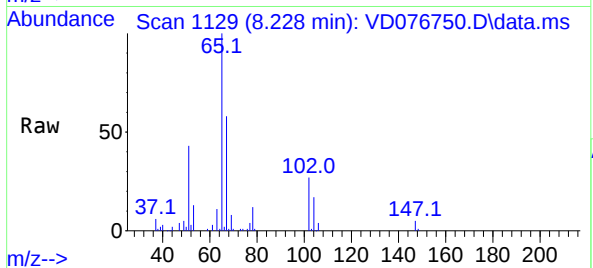
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 65 Resp: 89931

Ion Ratio Lower Upper

65 100

67 57.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

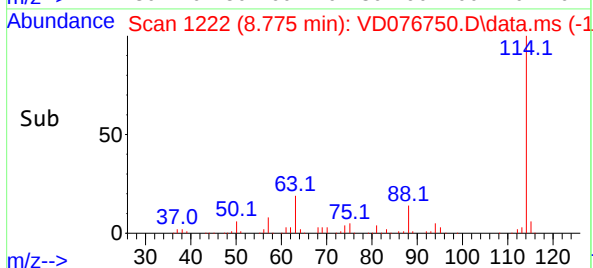
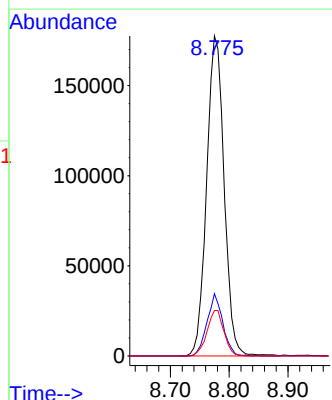
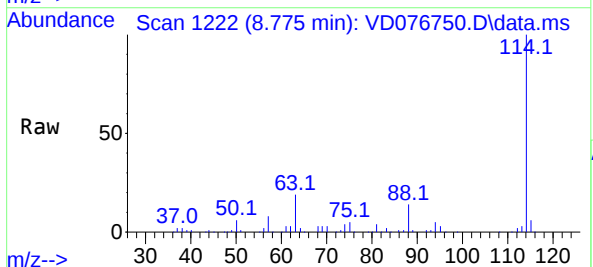
Tgt Ion: 114 Resp: 367300

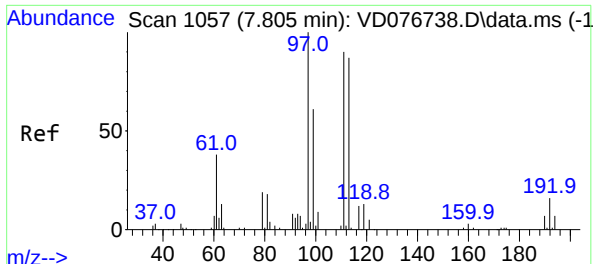
Ion Ratio Lower Upper

114 100

63 19.5 0.0 33.4

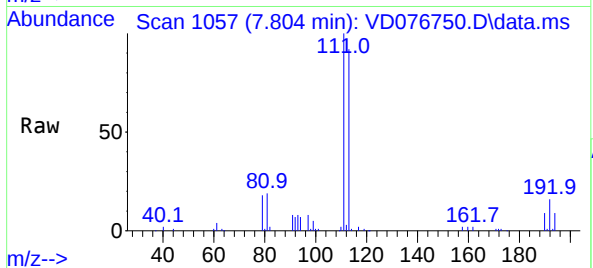
88 14.2 0.0 26.2



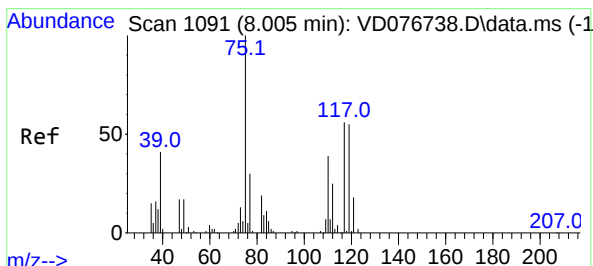
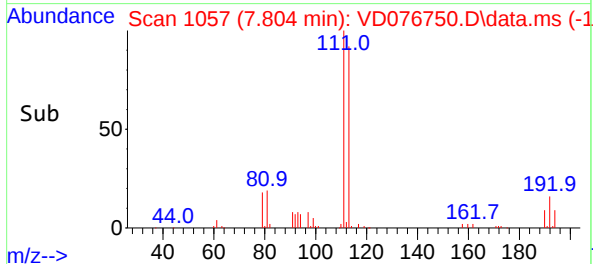
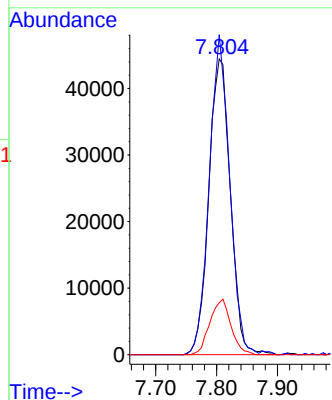


#35
Dibromofluoromethane
Concen: 47.553 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

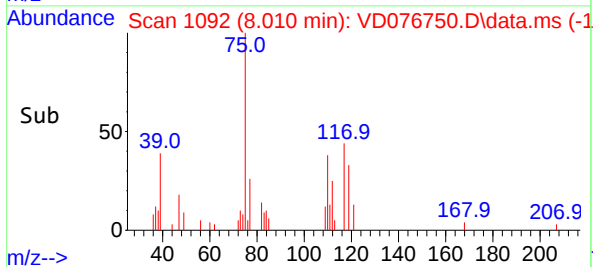
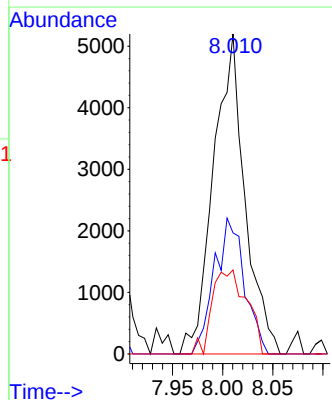
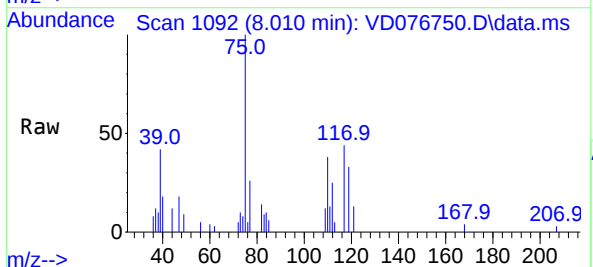


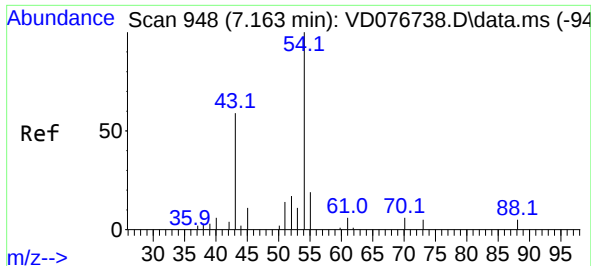
Tgt Ion:113 Resp: 109758
Ion Ratio Lower Upper
113 100
111 101.9 84.7 127.1
192 18.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.760 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.005 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 75 Resp: 11342
Ion Ratio Lower Upper
75 100
110 40.7 19.9 59.6
77 28.8 24.7 37.1

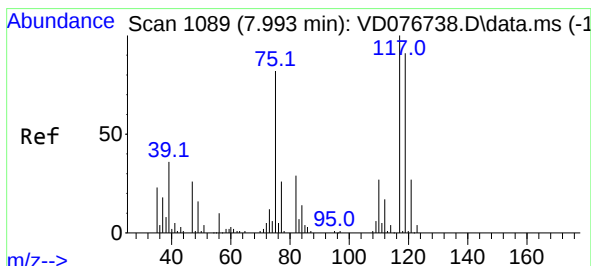
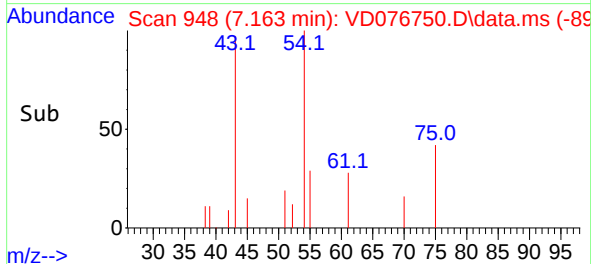
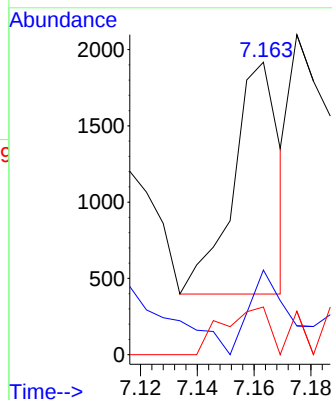
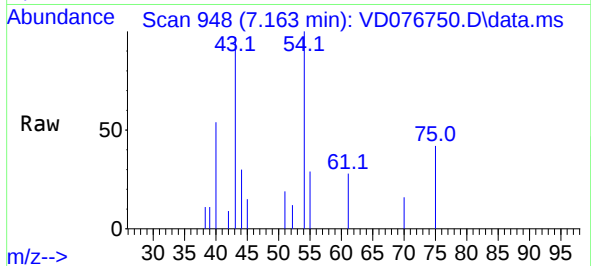




#37
Ethyl Acetate
Concen: 1.270 ug/l
RT: 7.163 min Scan# 948
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

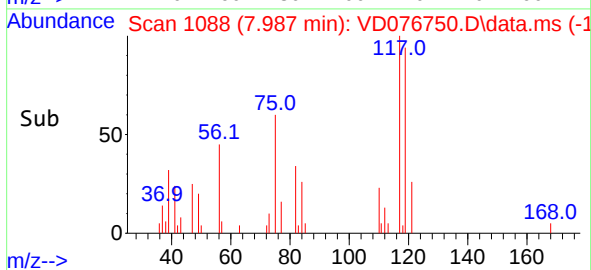
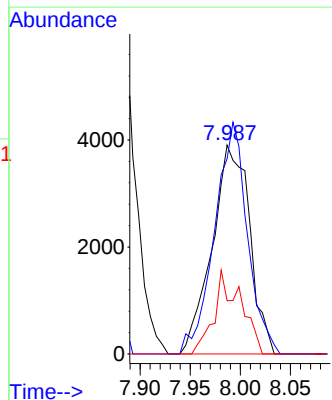
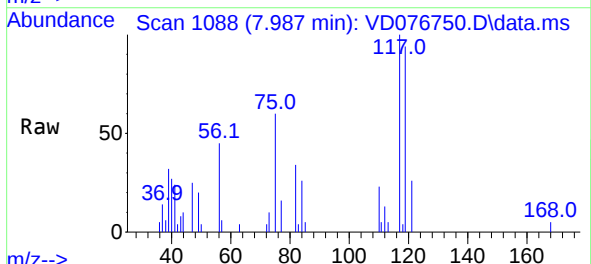
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

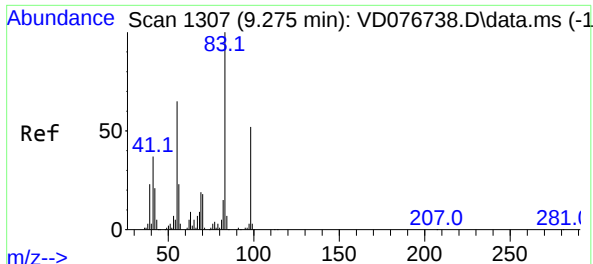
Tgt Ion: 43 Resp: 1713
Ion Ratio Lower Upper
43 100
61 32.1 14.9 22.3#
70 20.6 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 3.519 ug/l
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 117 Resp: 10163
Ion Ratio Lower Upper
117 100
119 93.5 78.0 117.0
121 25.5 24.2 36.2

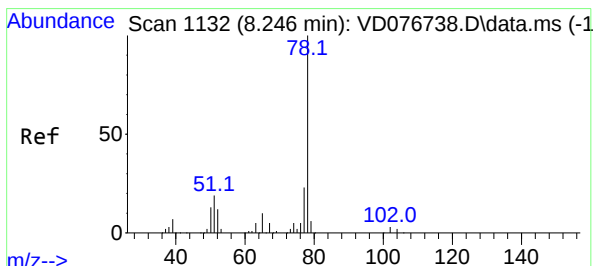
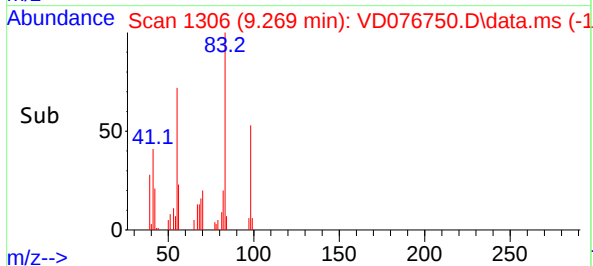
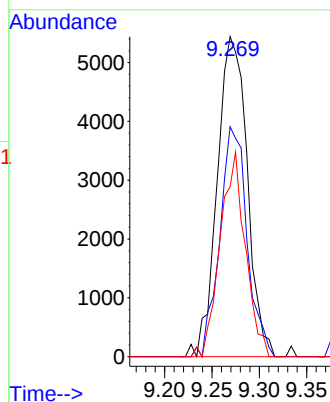
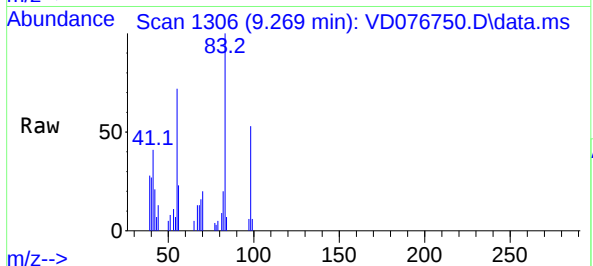




#39
Methylcyclohexane
Concen: 3.435 ug/l
RT: 9.269 min Scan# 11963
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

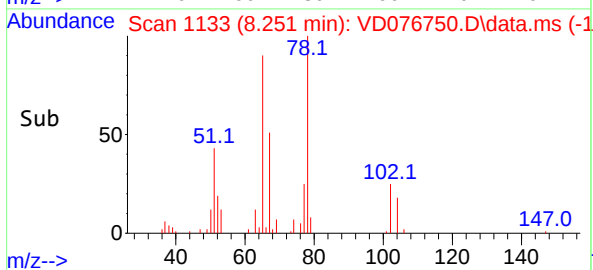
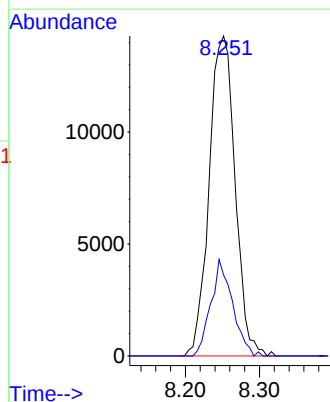
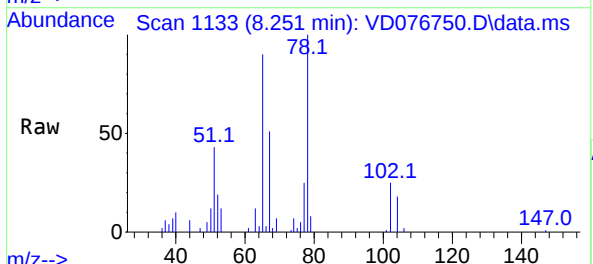
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

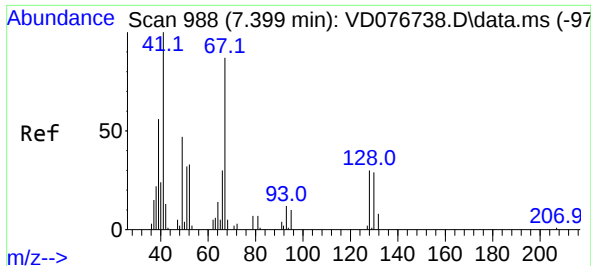
Tgt Ion: 83	Resp: 11963
Ion Ratio	Lower Upper
83 100	
55 71.9	49.4 74.0
98 53.2	38.4 57.6



#40
Benzene
Concen: 3.660 ug/l
RT: 8.251 min Scan# 1133
Delta R.T. 0.005 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 78	Resp: 34828
Ion Ratio	Lower Upper
78 100	
77 25.4	19.4 29.0



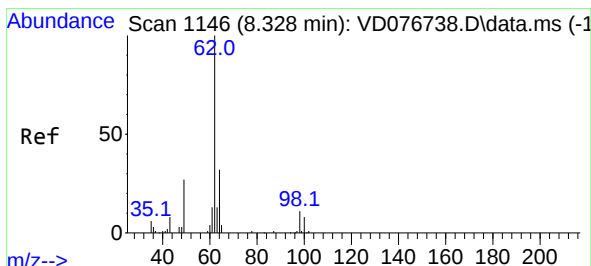
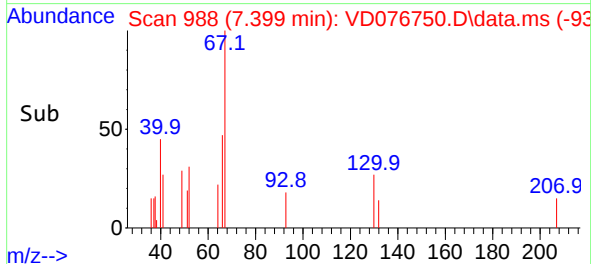
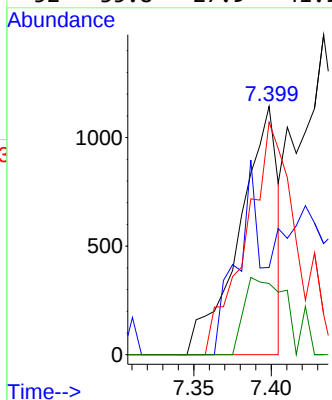
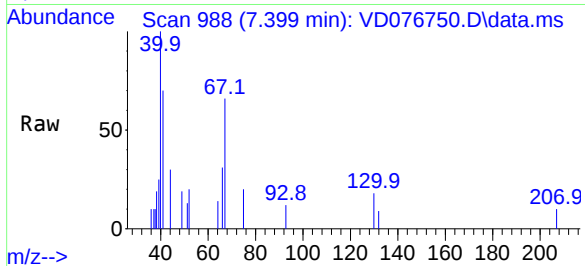


#41
Methacrylonitrile
Concen: 2.399 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 41 Resp: 1976

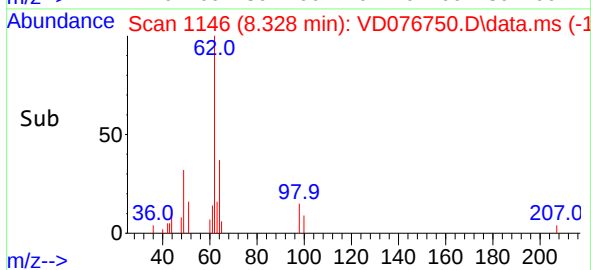
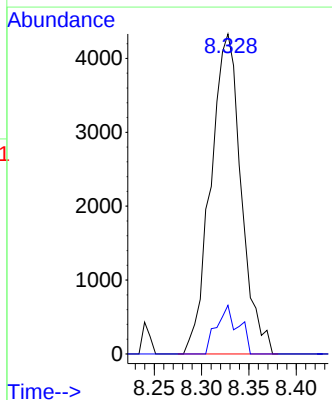
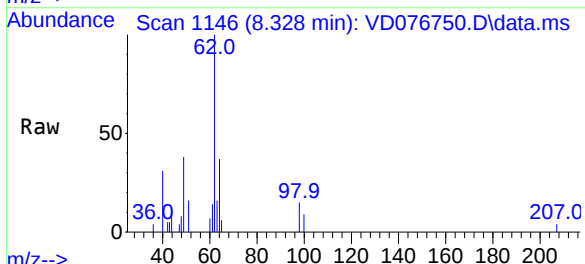
Ion	Ratio	Lower	Upper
41	100		
39	50.7	34.0	51.0
67	123.2	77.0	115.4#
52	35.8	27.9	41.9

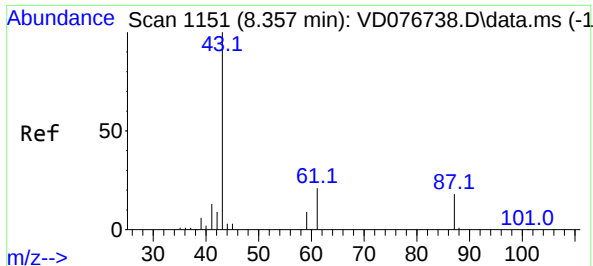


#42
1,2-Dichloroethane
Concen: 3.918 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 62 Resp: 9688

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	25.4

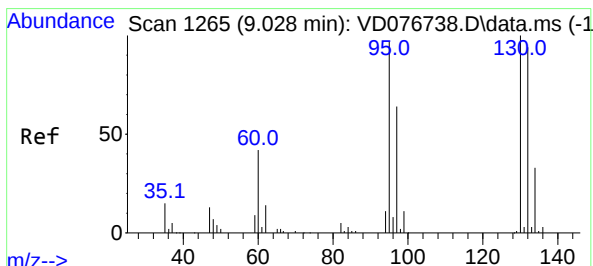
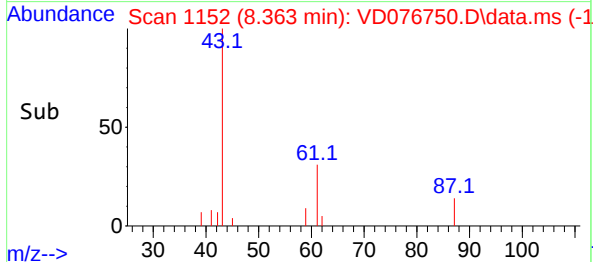
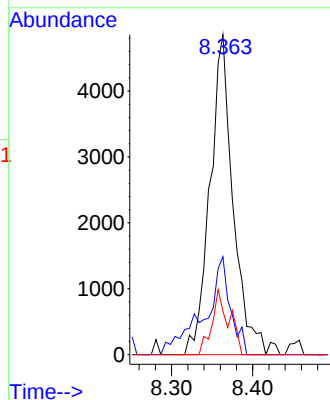
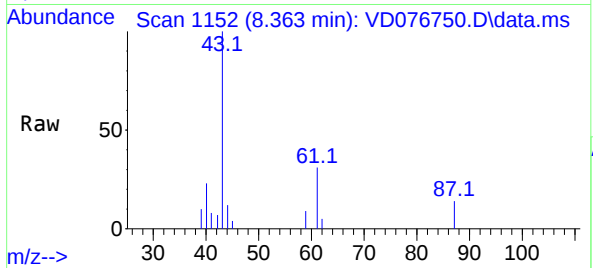




#43
Isopropyl Acetate
Concen: 3.682 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

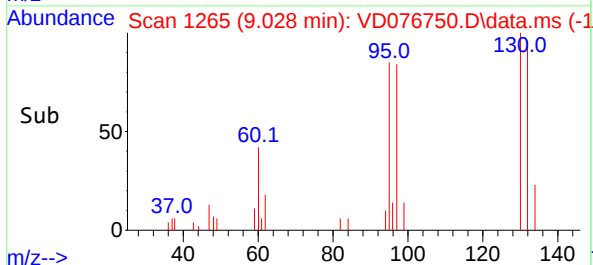
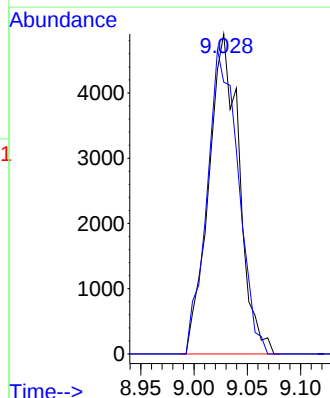
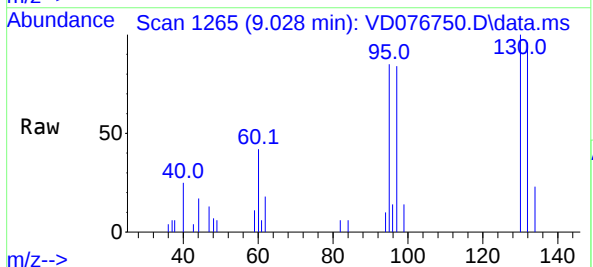
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

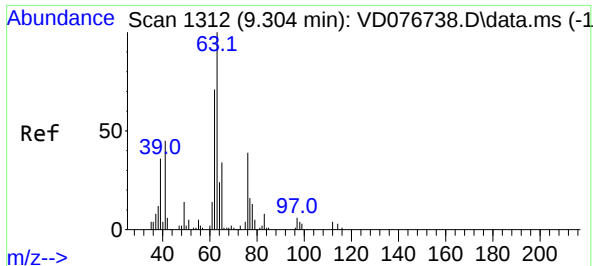
Tgt Ion: 43 Resp: 9693
Ion Ratio Lower Upper
43 100
61 22.5 31.4 47.0#
87 15.0 14.9 22.3



#44
Trichloroethene
Concen: 3.760 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 130 Resp: 9751
Ion Ratio Lower Upper
130 100
95 85.0 0.0 179.2

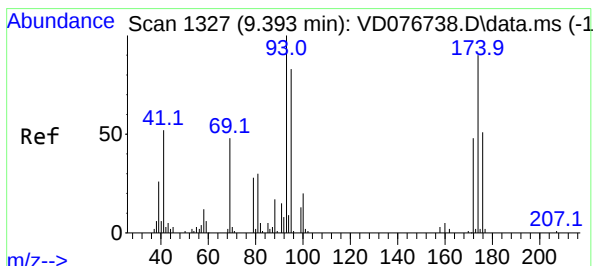
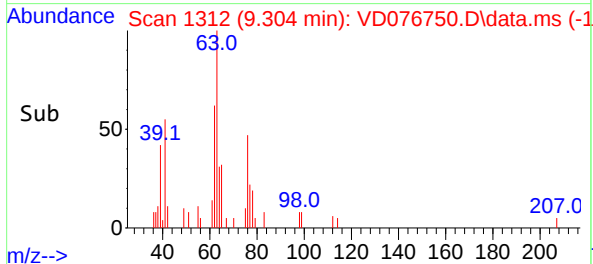
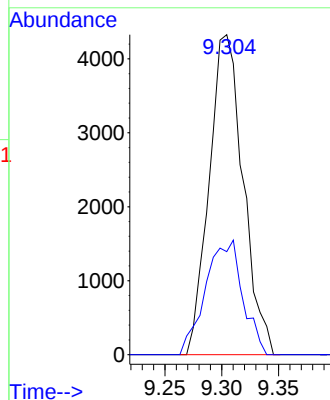
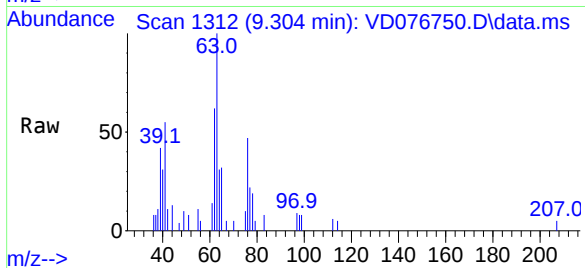




#45
1,2-Dichloropropane
Concen: 3.662 ug/l
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

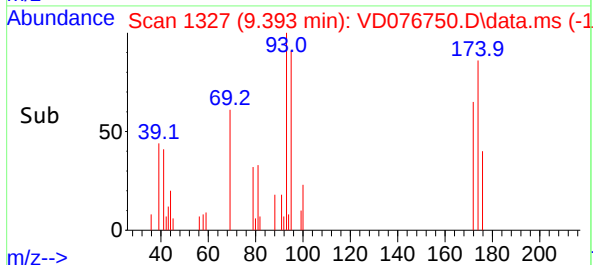
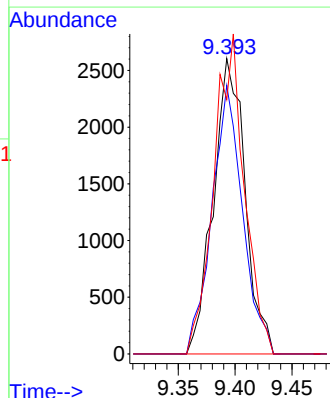
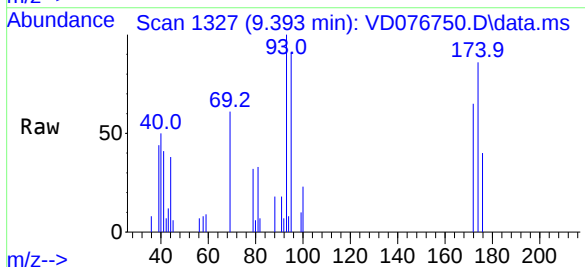
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

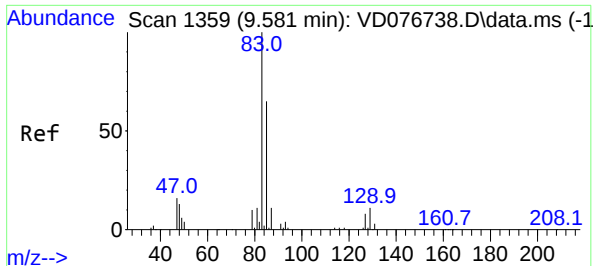
Tgt Ion: 63 Resp: 8997
Ion Ratio Lower Upper
63 100
65 32.2 24.5 36.7



#46
Dibromomethane
Concen: 3.525 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 93 Resp: 5068
Ion Ratio Lower Upper
93 100
95 87.9 67.7 101.5
174 103.8 85.4 128.2

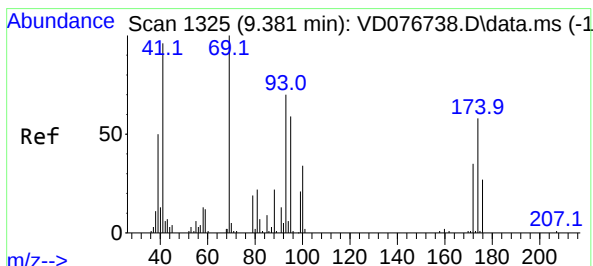
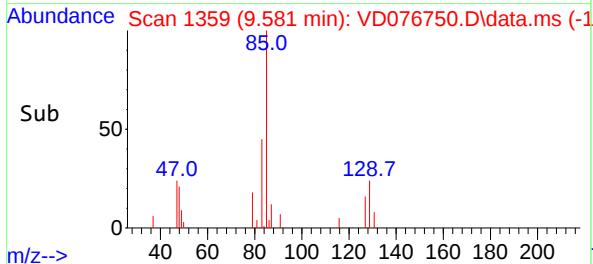
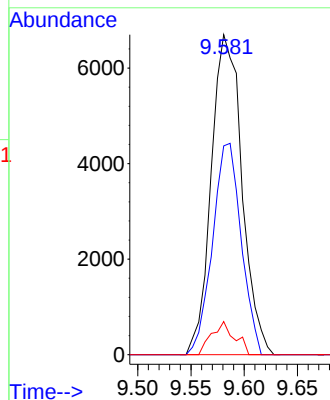
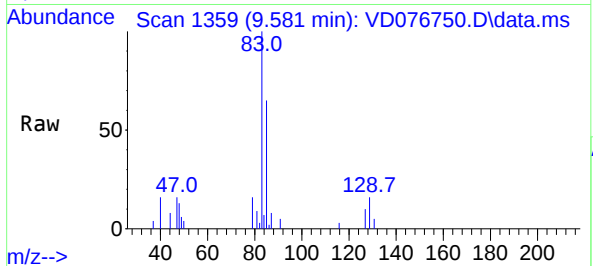




#47
Bromodichloromethane
Concen: 3.715 ug/l
RT: 9.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

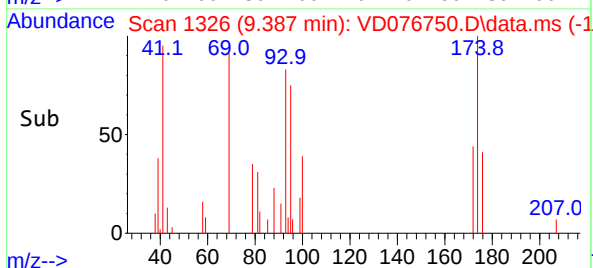
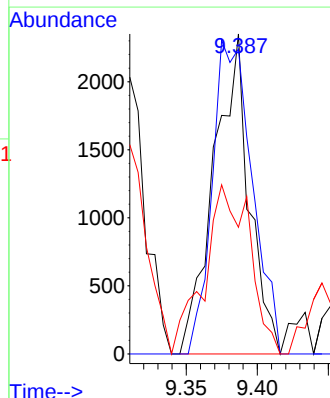
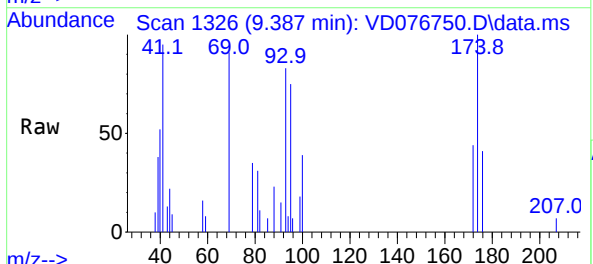
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

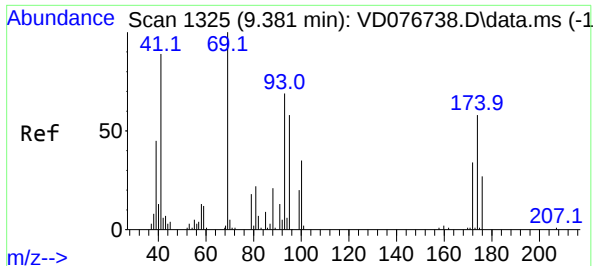
Tgt Ion:	83	Resp:	13406
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.2	75.4
127	10.4	6.3	9.5#



#48
Methyl methacrylate
Concen: 3.395 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:	41	Resp:	4068
Ion	Ratio	Lower	Upper
41	100		
69	110.4	102.2	153.2
39	67.3	41.4	62.2#

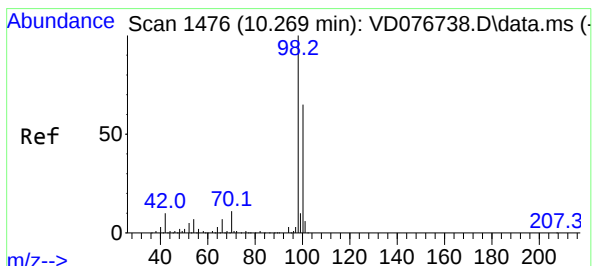
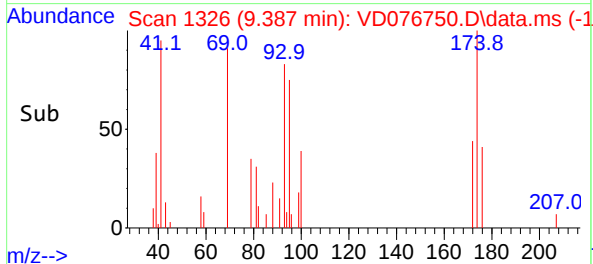
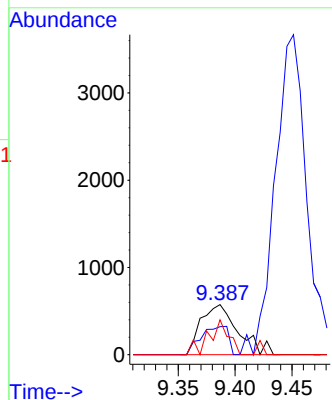
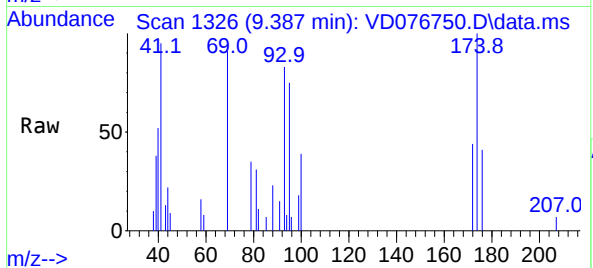




#49
1,4-Dioxane
Concen: 70.456 ug/l
RT: 9.387 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

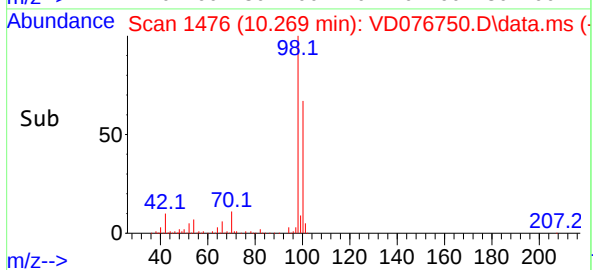
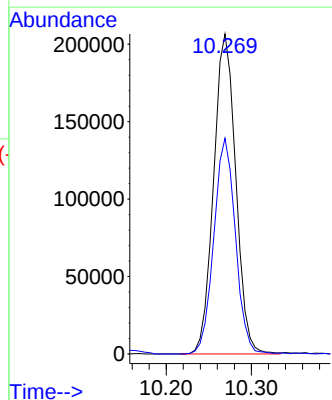
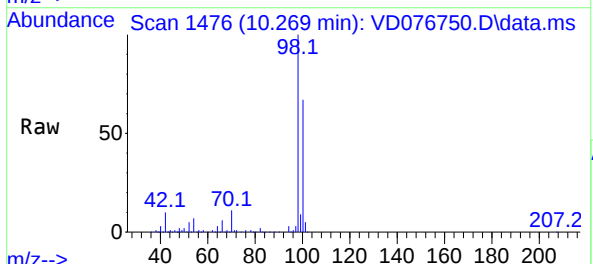
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

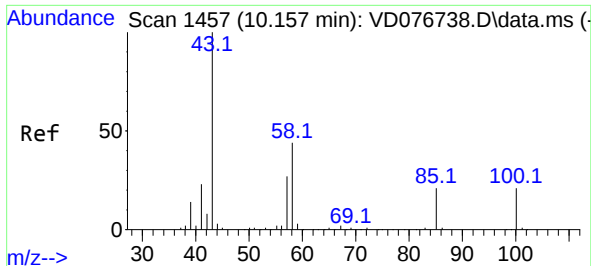
Tgt Ion: 88 Resp: 1298
Ion Ratio Lower Upper
88 100
43 42.0 19.0 28.6#
58 38.4 43.5 65.3#



#50
Toluene-d8
Concen: 45.183 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 98 Resp: 373077
Ion Ratio Lower Upper
98 100
100 65.9 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 16.771 ug/l

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

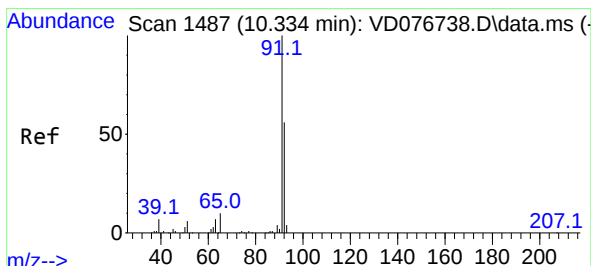
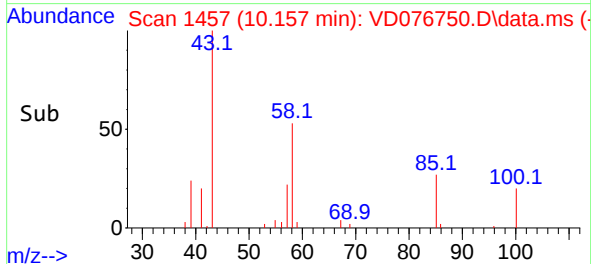
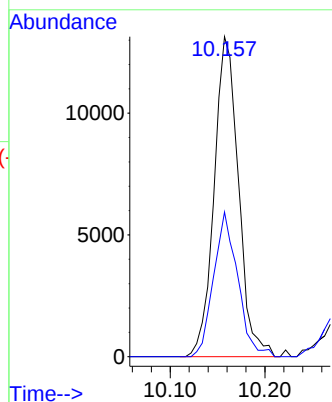
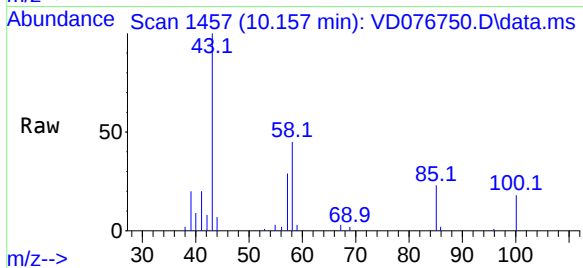
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 43 Resp: 23505

Ion Ratio Lower Upper

43 100

58 44.8 38.9 58.3



#52

Toluene

Concen: 3.813 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076750.D

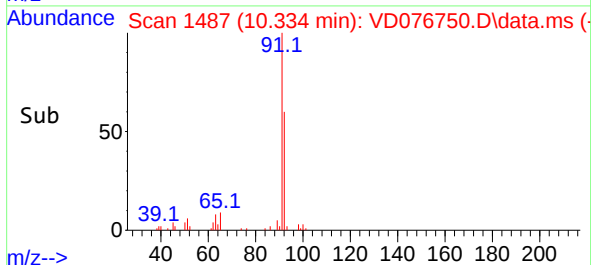
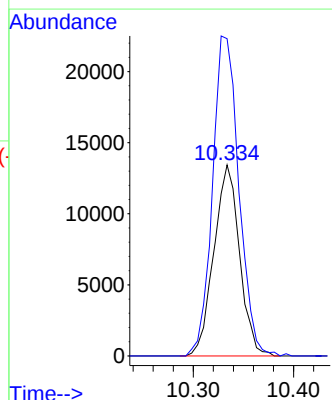
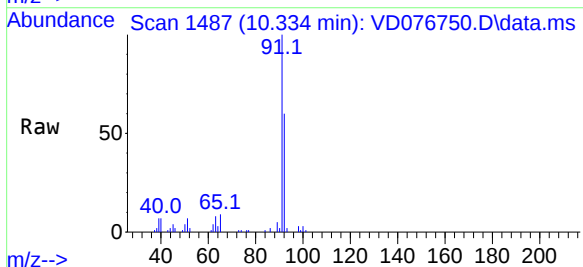
Acq: 17 Jul 2023 13:09

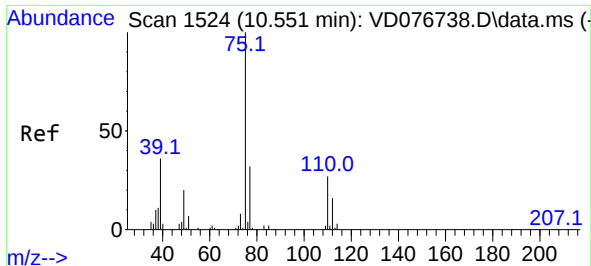
Tgt Ion: 92 Resp: 23834

Ion Ratio Lower Upper

92 100

91 172.4 143.0 214.4

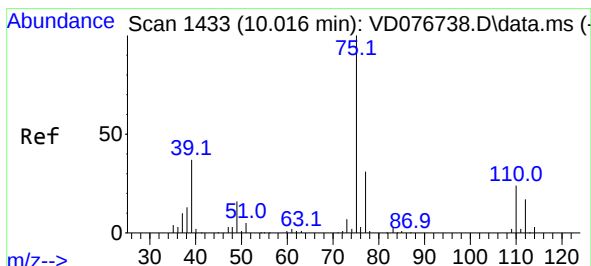
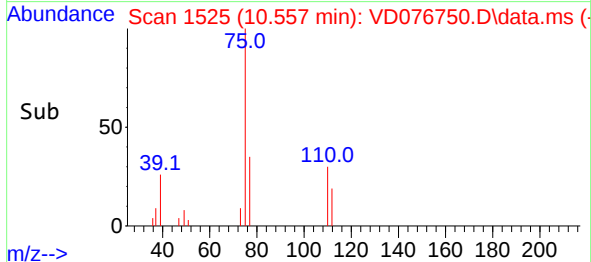
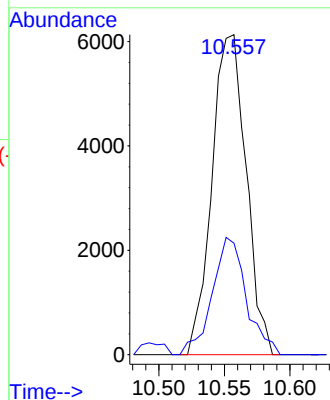
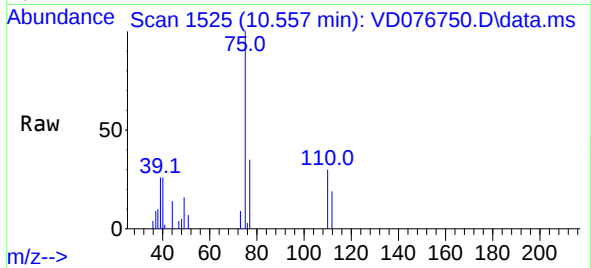




#53
t-1,3-Dichloropropene
Concen: 3.323 ug/l
RT: 10.557 min Scan# 11130
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

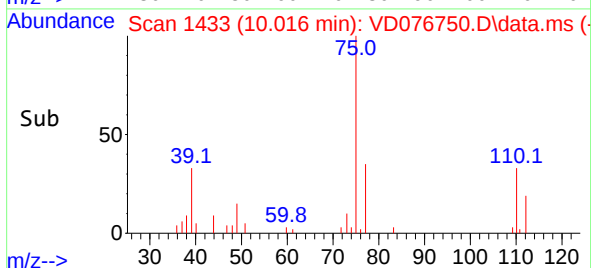
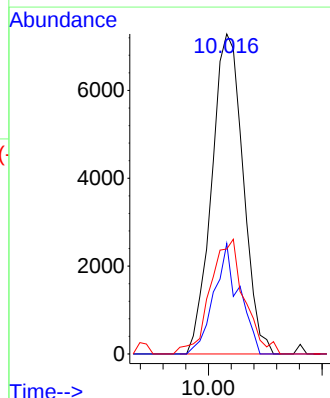
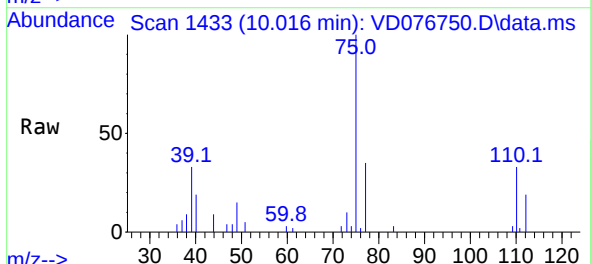
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

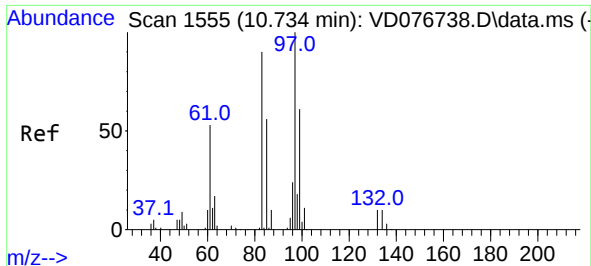
Tgt Ion: 75 Resp: 11130
Ion Ratio Lower Upper
75 100
77 34.9 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 3.539 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 75 Resp: 13968
Ion Ratio Lower Upper
75 100
77 34.5 25.5 38.3
39 32.8 22.1 33.1

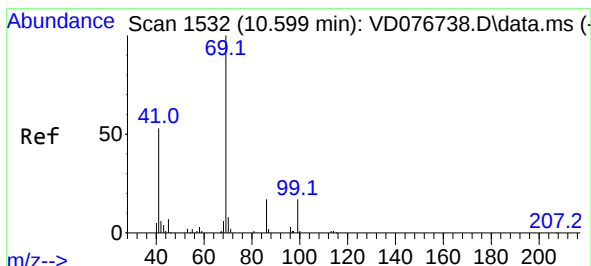
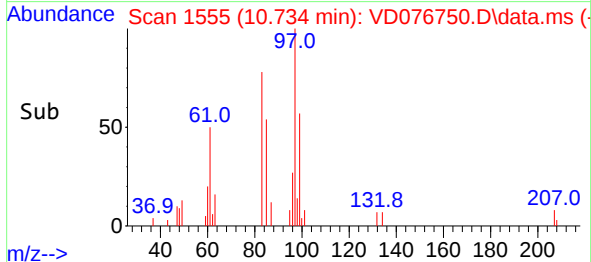
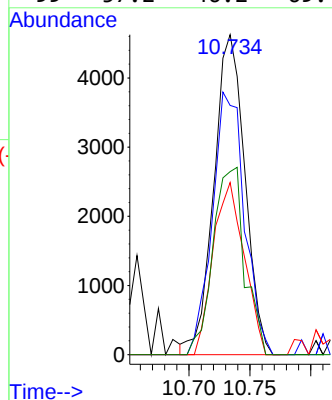
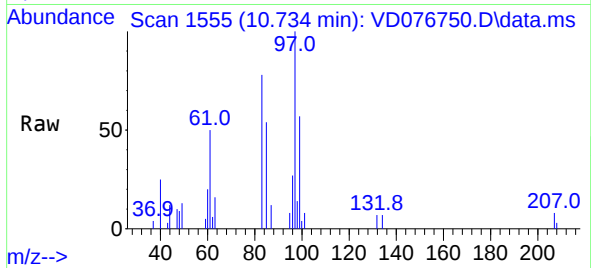




#55
1,1,2-Trichloroethane
Concen: 3.905 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

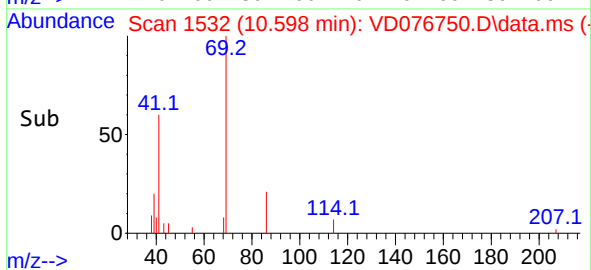
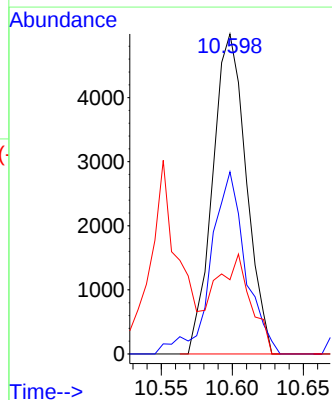
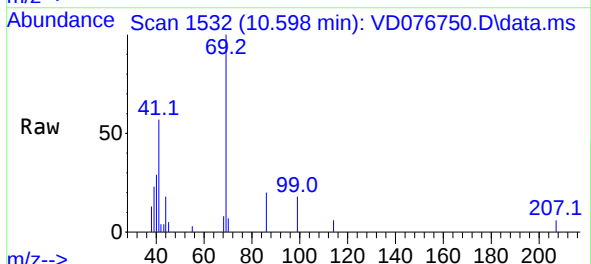
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

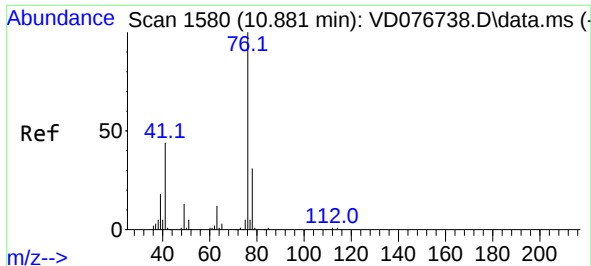
Tgt Ion:	97	Resp:	8200
Ion	Ratio	Lower	Upper
97	100		
83	77.9	65.8	98.6
85	53.8	45.7	68.5
99	57.2	46.2	69.4



#56
Ethyl methacrylate
Concen: 3.388 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:	69	Resp:	8211
Ion	Ratio	Lower	Upper
69	100		
41	58.9	39.1	58.7#
39	31.0	20.0	30.0#





#57

1,3-Dichloropropane

Concen: 3.646 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

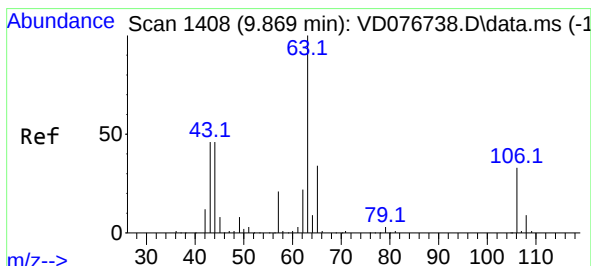
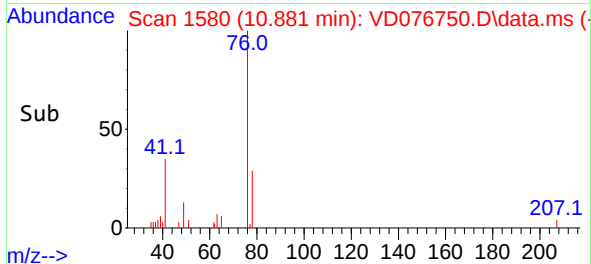
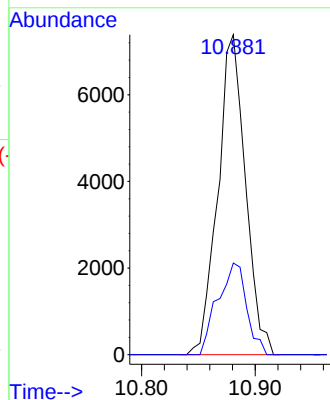
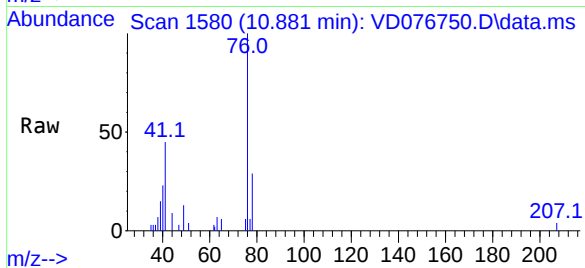
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 76 Resp: 12466

Ion Ratio Lower Upper

76 100

78 29.9 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 16.508 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076750.D

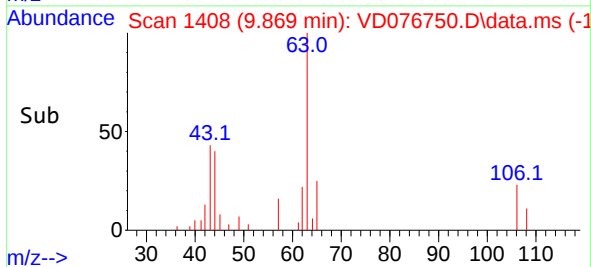
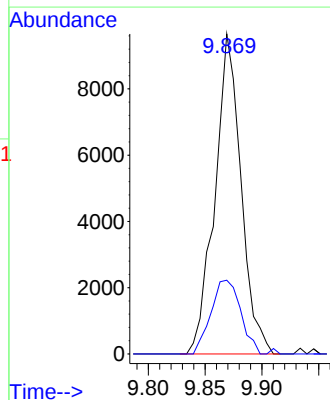
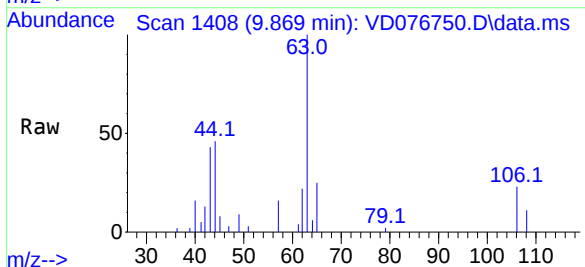
Acq: 17 Jul 2023 13:09

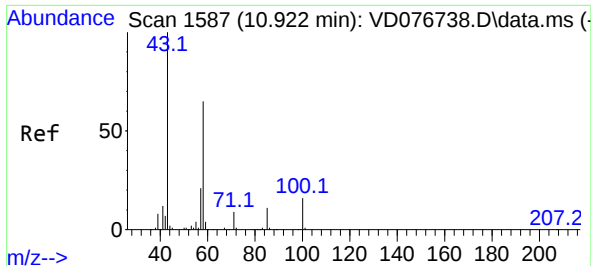
Tgt Ion: 63 Resp: 15486

Ion Ratio Lower Upper

63 100

106 26.2 25.3 37.9

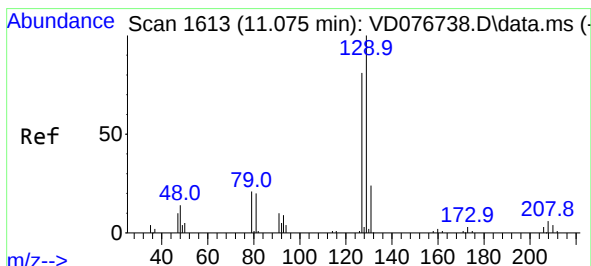
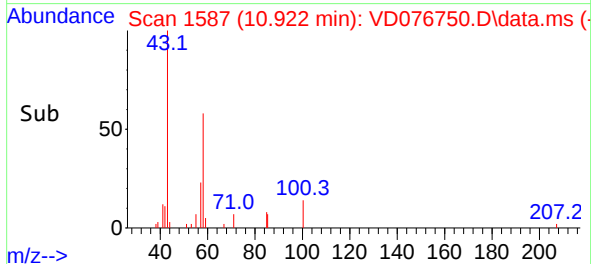
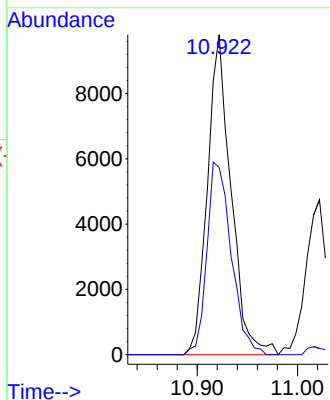
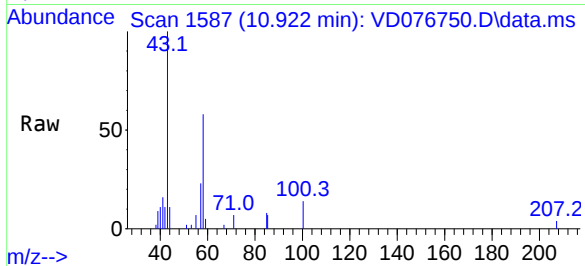




#59
2-Hexanone
Concen: 16.019 ug/l
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

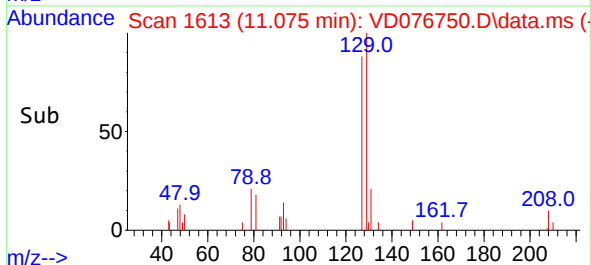
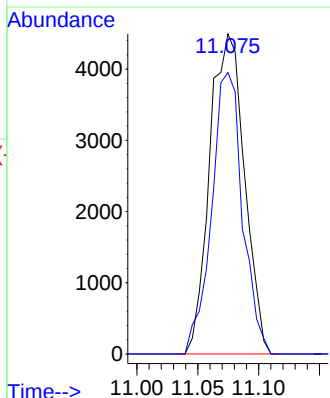
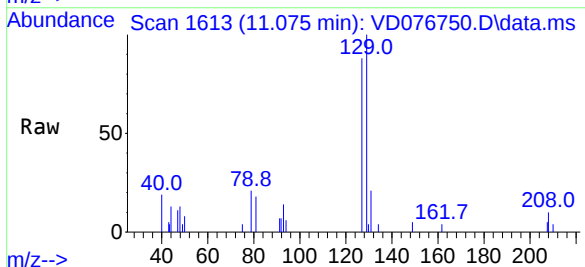
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

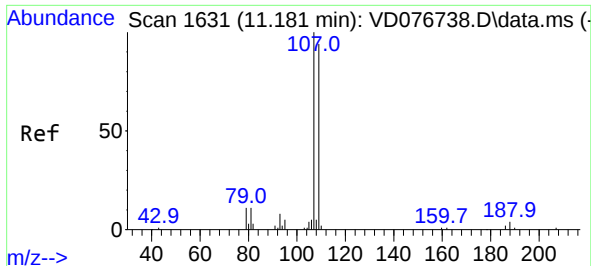
Tgt Ion: 43 Resp: 16020
Ion Ratio Lower Upper
43 100
58 62.2 34.1 102.2



#60
Dibromochloromethane
Concen: 3.657 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 129 Resp: 8921
Ion Ratio Lower Upper
129 100
127 78.1 37.1 111.5

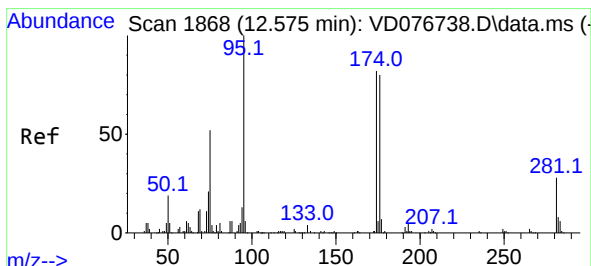
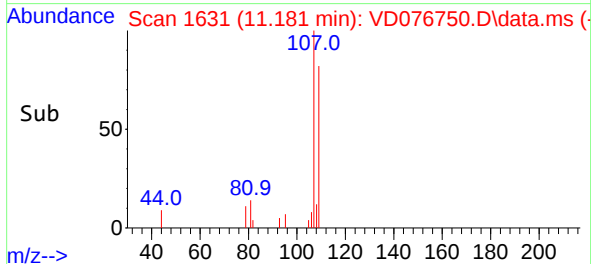
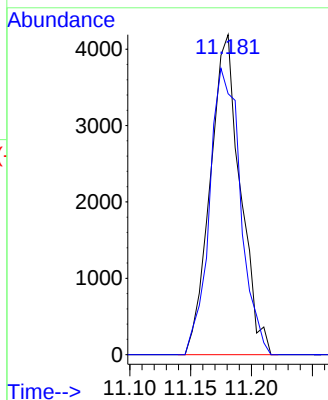
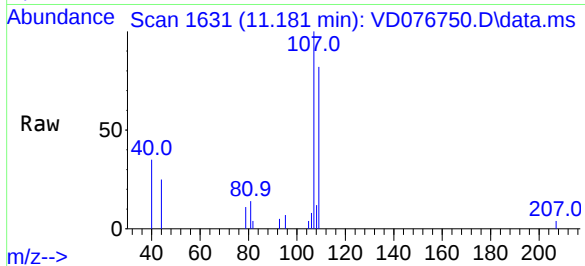




#61
1,2-Dibromoethane
Concen: 3.707 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

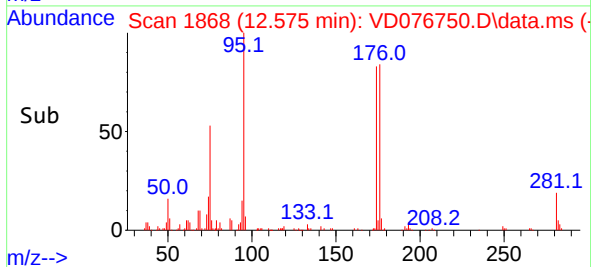
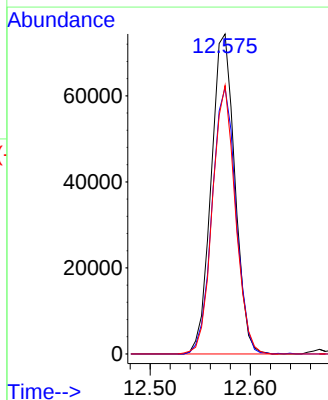
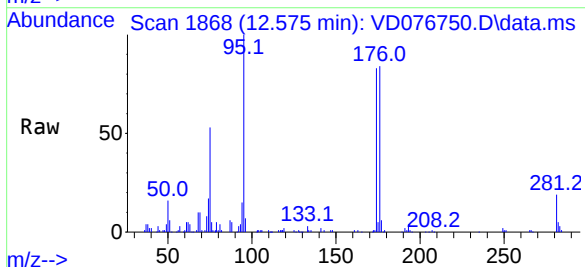
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

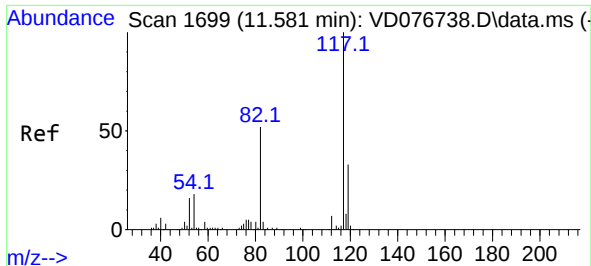
Tgt Ion:107 Resp: 7216
Ion Ratio Lower Upper
107 100
109 92.1 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 45.631 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 95 Resp: 121888
Ion Ratio Lower Upper
95 100
174 83.6 0.0 201.8
176 81.3 0.0 191.8

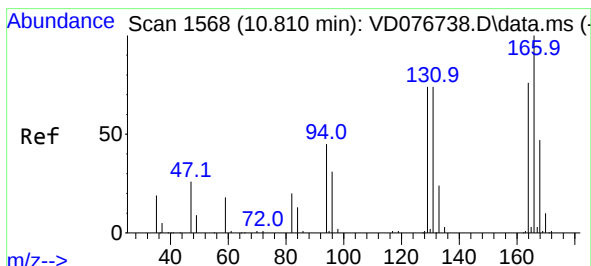
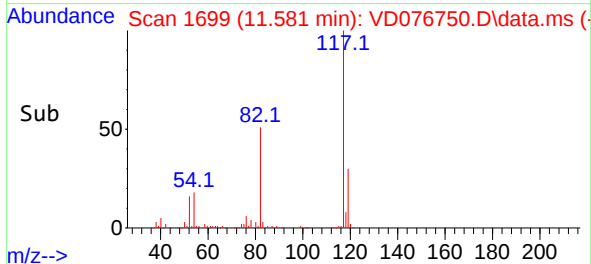
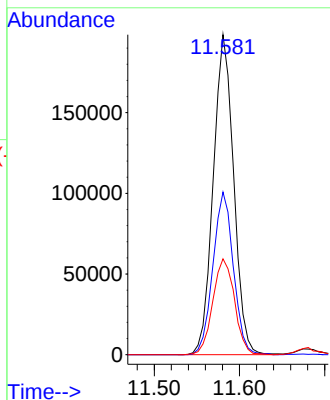
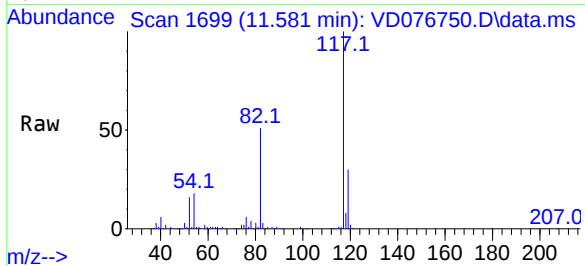




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

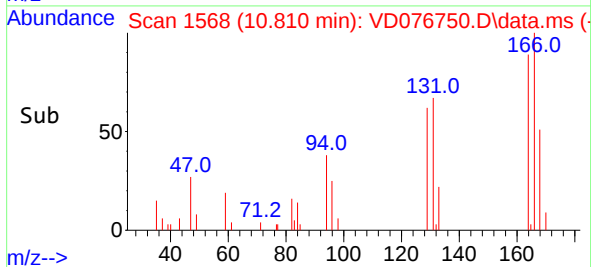
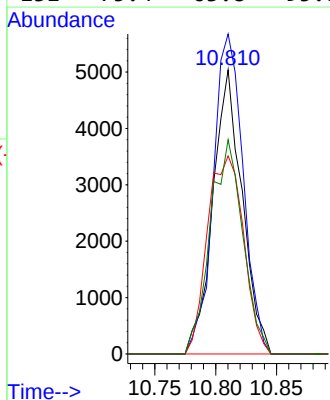
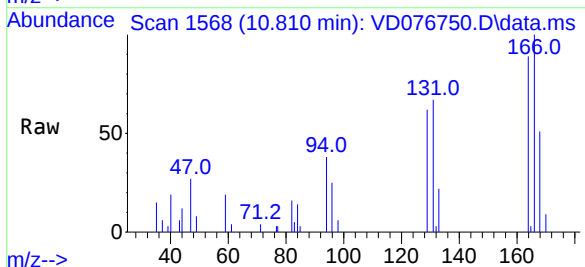
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

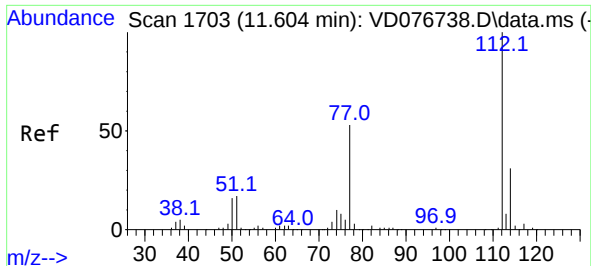
Tgt Ion:117 Resp: 331149
Ion Ratio Lower Upper
117 100
82 50.8 38.3 57.5
119 30.0 25.0 37.4



#64
Tetrachloroethene
Concen: 4.473 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:164 Resp: 8446
Ion Ratio Lower Upper
164 100
166 112.6 99.2 148.8
129 69.7 68.4 102.6
131 75.4 63.8 95.8

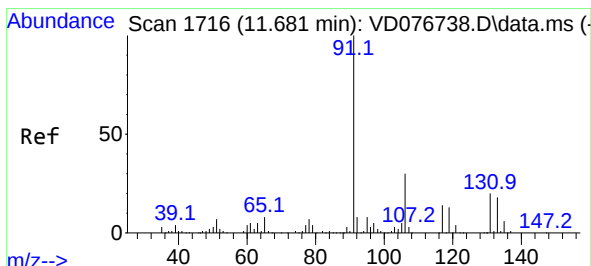
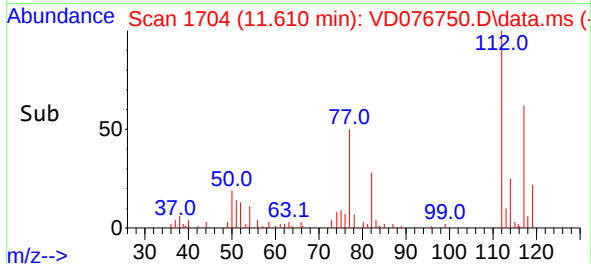
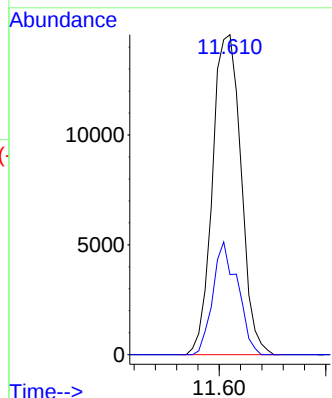
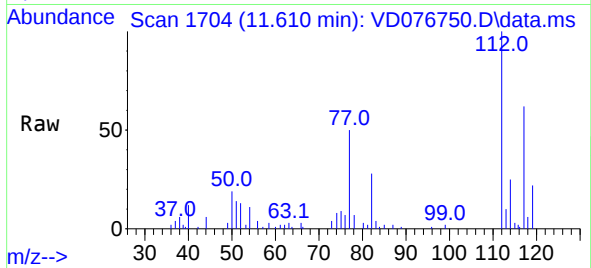




#65
Chlorobenzene
Concen: 4.066 ug/l
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

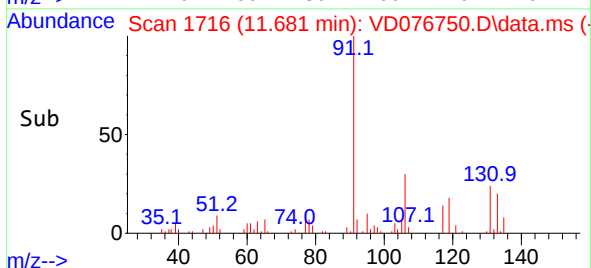
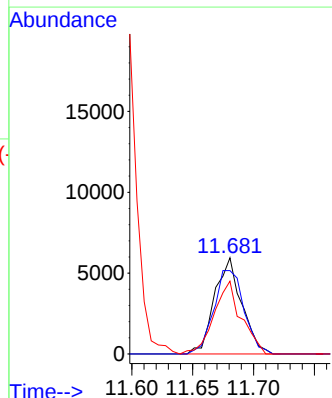
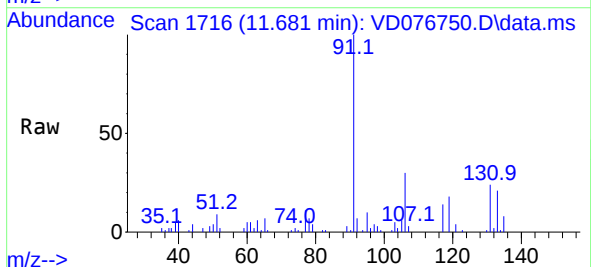
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

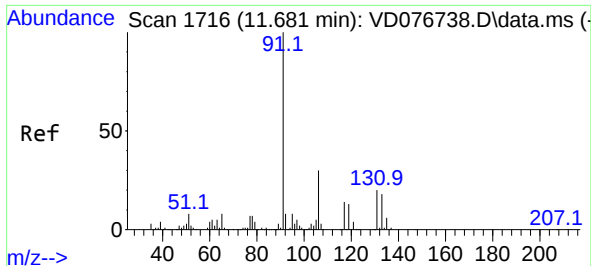
Tgt Ion:112 Resp: 27077
Ion Ratio Lower Upper
112 100
114 25.1 25.1 37.7#



#66
1,1,1,2-Tetrachloroethane
Concen: 3.731 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:131 Resp: 9252
Ion Ratio Lower Upper
131 100
133 96.7 48.5 145.5
119 75.9 35.6 106.9

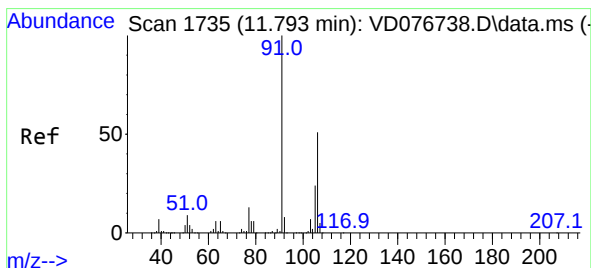
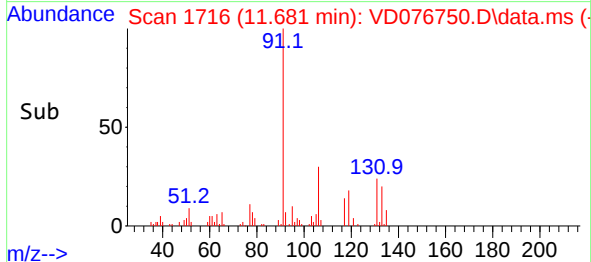
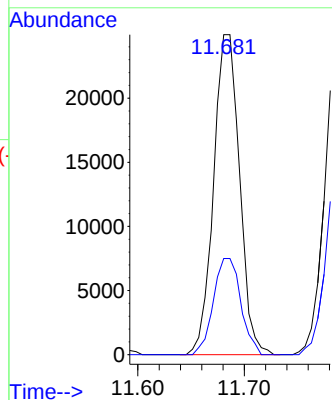
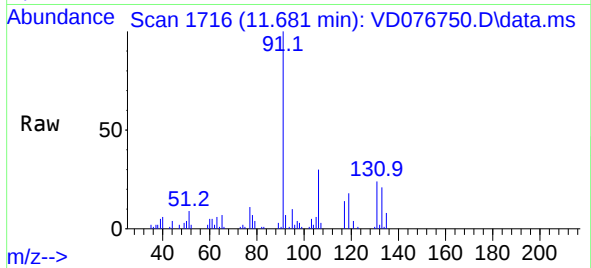




#67
Ethyl Benzene
Concen: 3.609 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

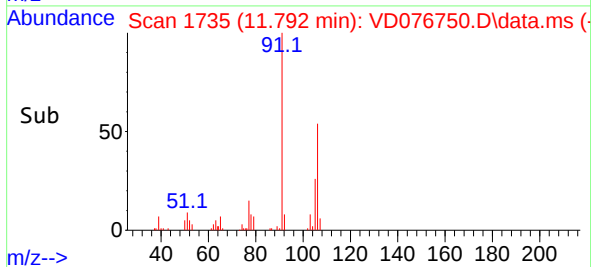
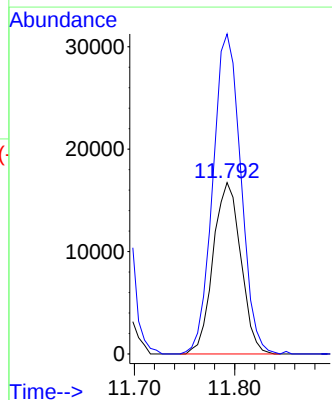
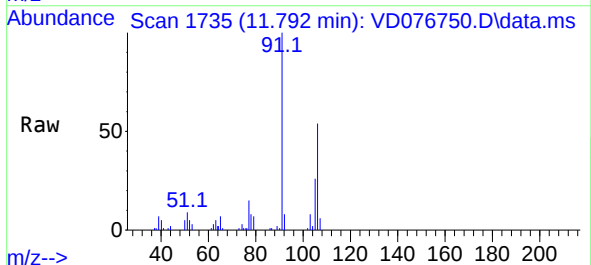
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

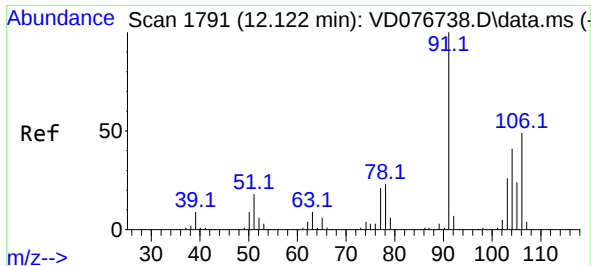
Tgt Ion: 91 Resp: 42210
Ion Ratio Lower Upper
91 100
106 30.1 26.5 39.7



#68
m/p-Xylenes
Concen: 7.162 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:106 Resp: 32173
Ion Ratio Lower Upper
106 100
91 188.5 147.0 220.6

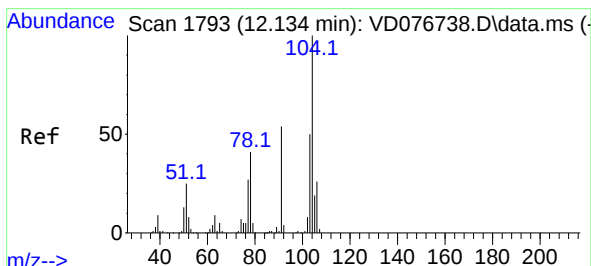
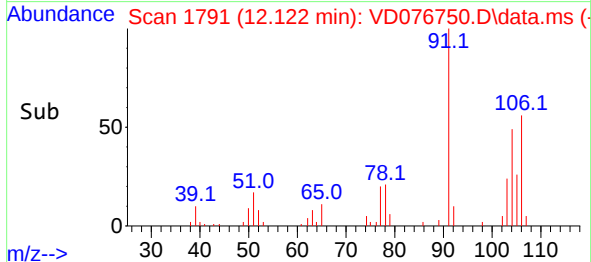
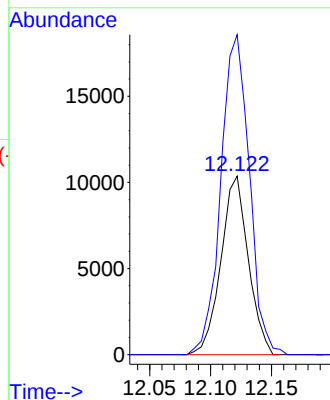
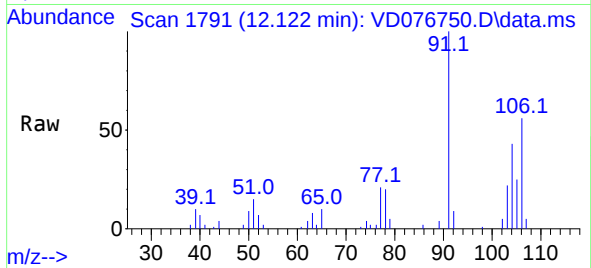




#69
o-Xylene
Concen: 3.740 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

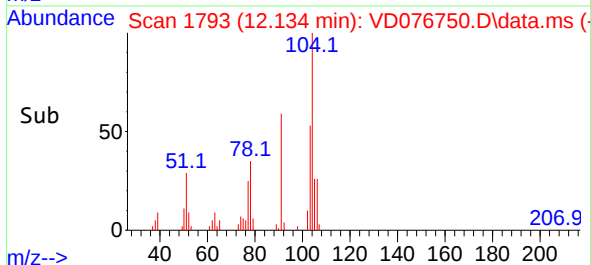
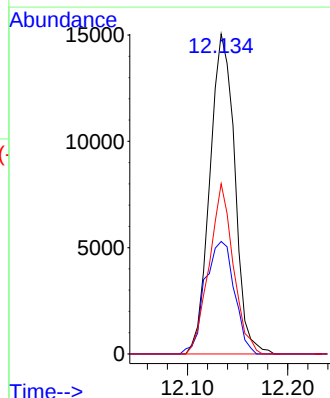
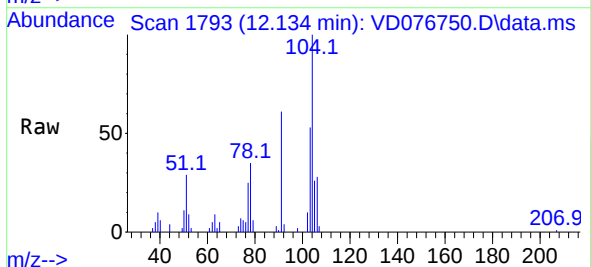
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

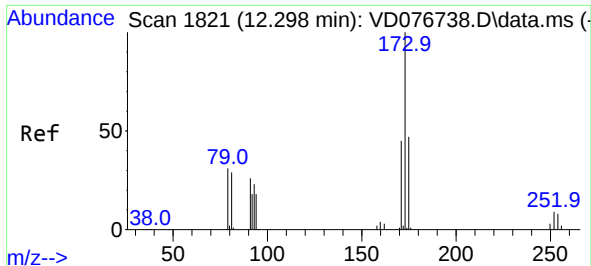
Tgt Ion:106 Resp: 16245
Ion Ratio Lower Upper
106 100
91 186.3 97.9 293.6



#70
Styrene
Concen: 3.408 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:104 Resp: 25918
Ion Ratio Lower Upper
104 100
78 41.3 33.2 49.8
103 51.5 43.6 65.4

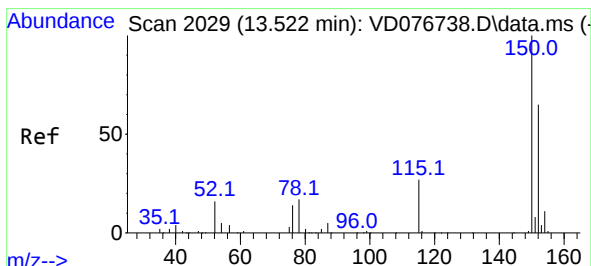
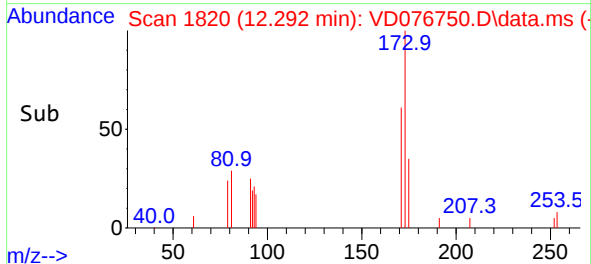
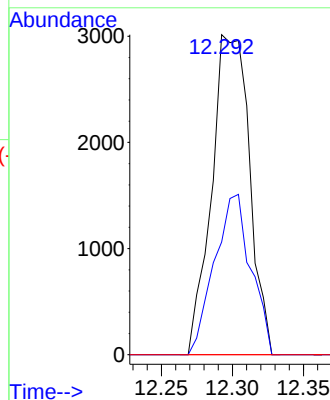
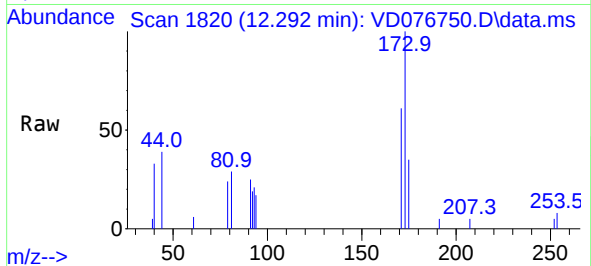




#71
Bromoform
Concen: 4.110 ug/l
RT: 12.292 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

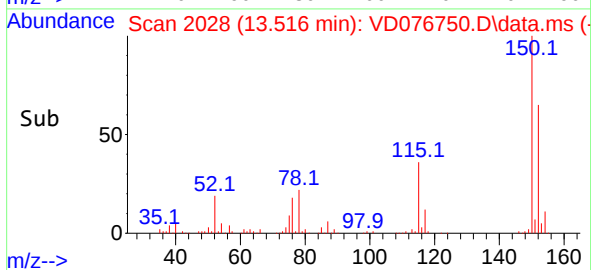
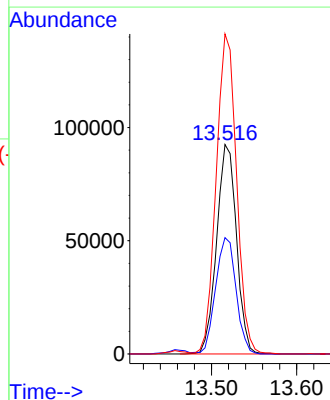
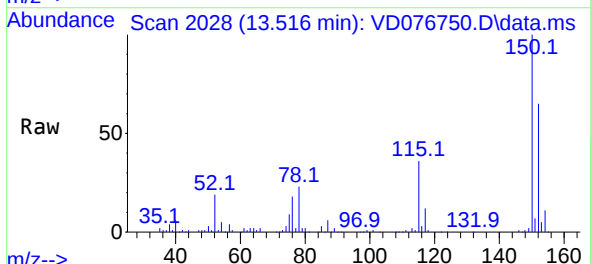
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

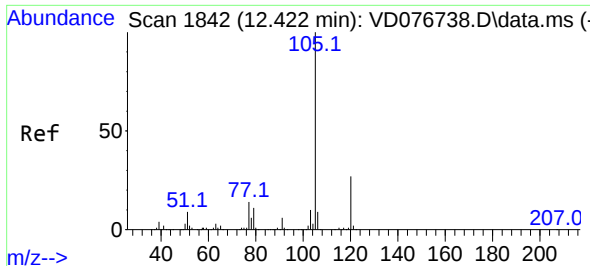
Tgt Ion:173 Resp: 5581
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:152 Resp: 149978
Ion Ratio Lower Upper
152 100
115 57.2 27.1 81.3
150 156.5 0.0 353.6

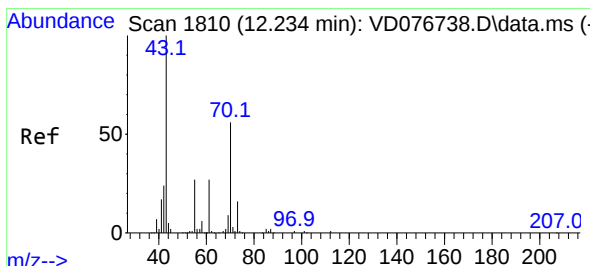
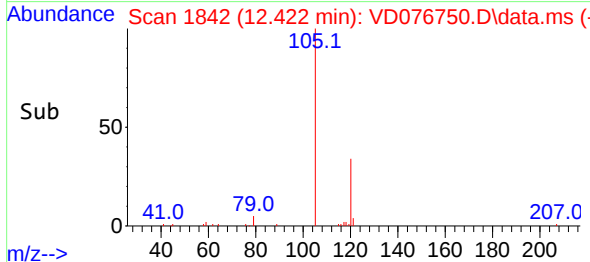
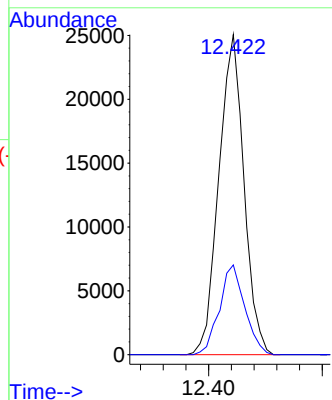
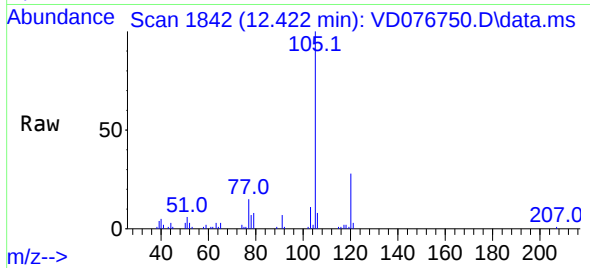




#73
Isopropylbenzene
Concen: 3.534 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

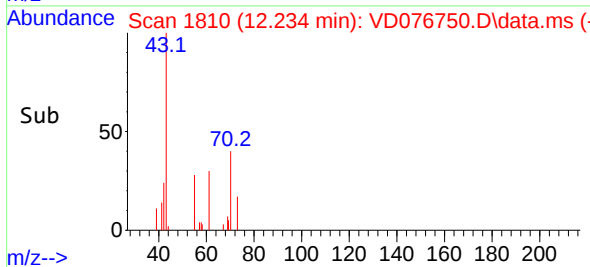
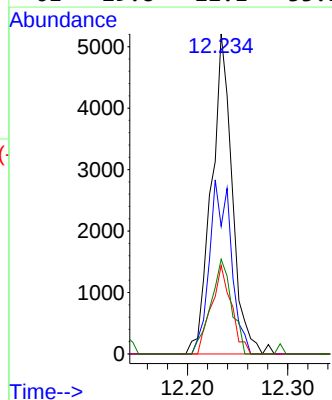
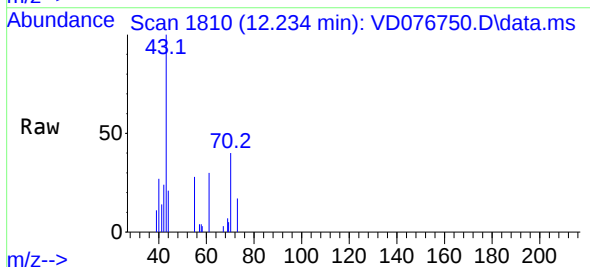
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

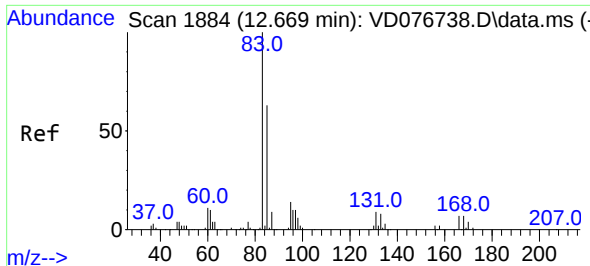
Tgt Ion:105 Resp: 38456
Ion Ratio Lower Upper
105 100
120 28.3 14.3 42.9



#74
N-ethyl acetate
Concen: 3.280 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 43 Resp: 7518
Ion Ratio Lower Upper
43 100
70 56.2 45.0 67.4
55 26.5 23.8 35.6
61 29.8 22.1 33.1

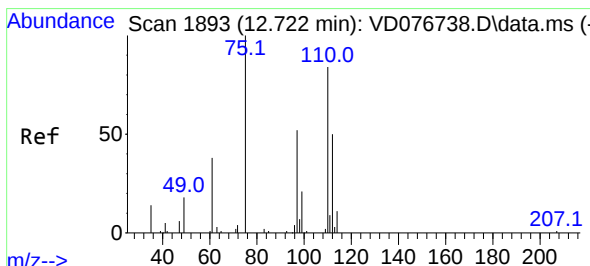
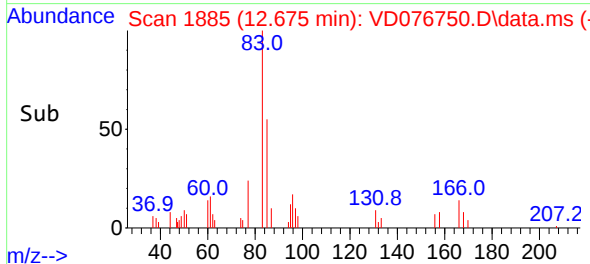
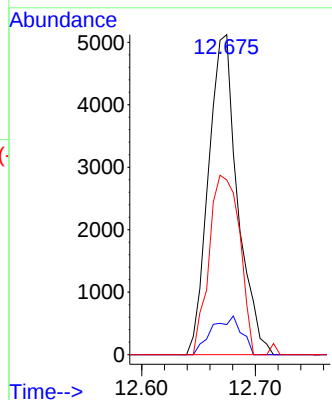
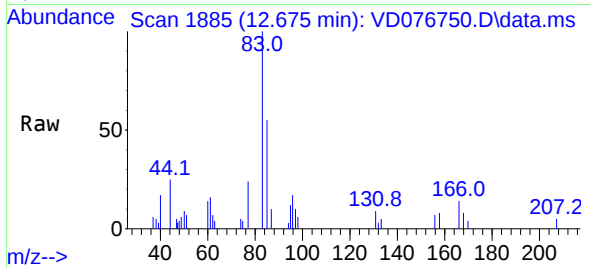




#75
1,1,2,2-Tetrachloroethane
Concen: 3.902 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

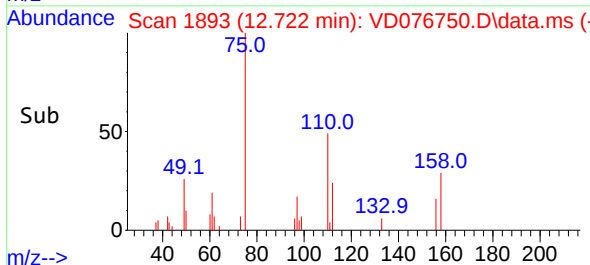
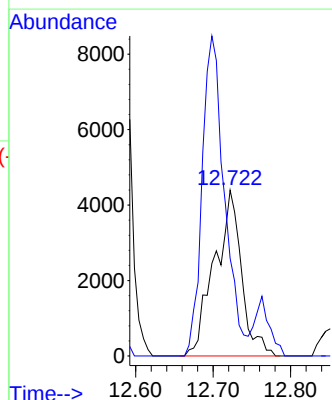
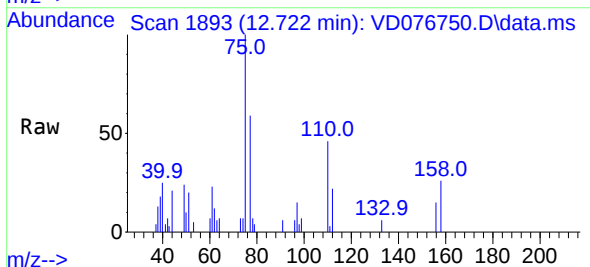
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

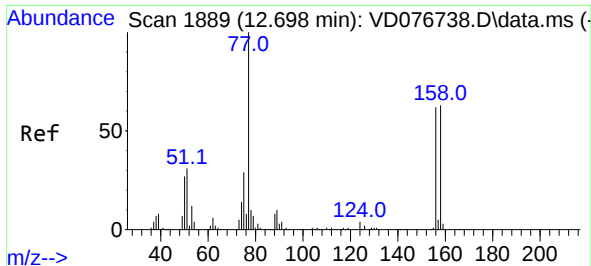
Tgt Ion: 83 Resp: 9116
Ion Ratio Lower Upper
83 100
131 12.2 5.1 15.3
85 58.7 32.6 97.8



#76
1,2,3-Trichloropropane
Concen: 7.487 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 75 Resp: 10678
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

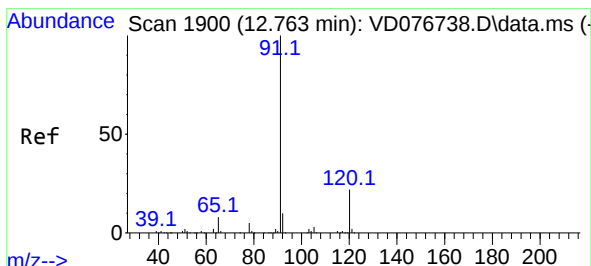
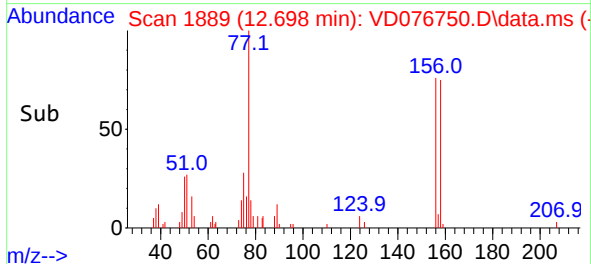
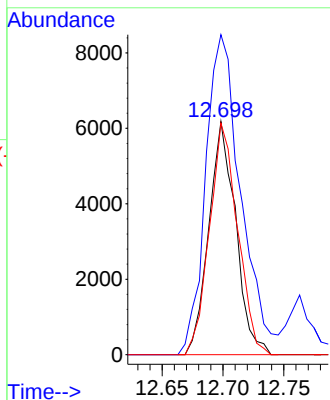
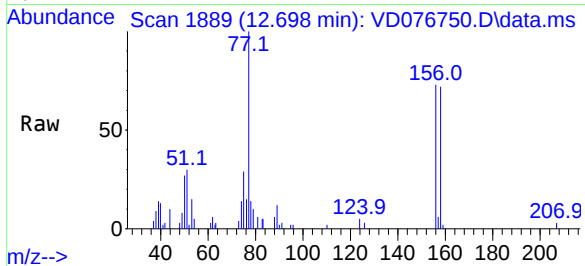




#77
Bromobenzene
Concen: 3.785 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

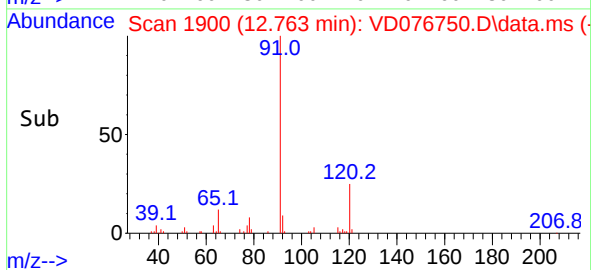
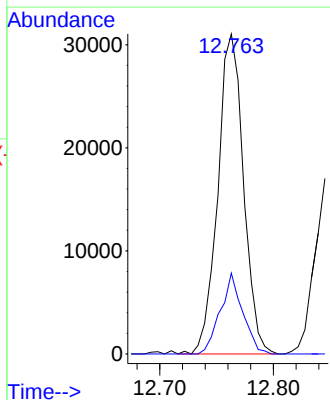
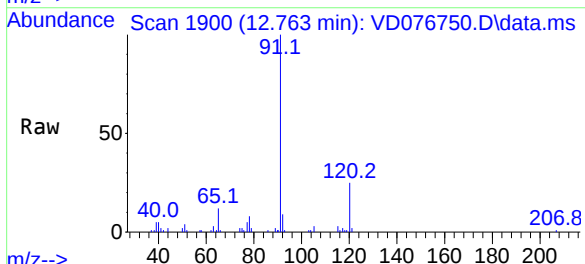
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

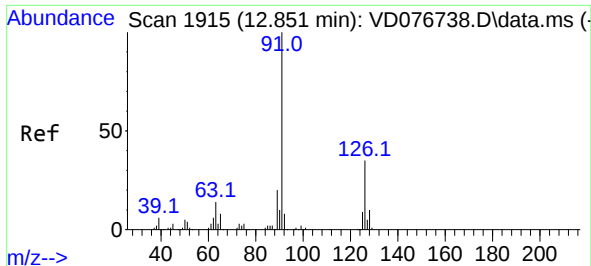
Tgt Ion:	156	Resp:	9507
Ion	Ratio	Lower	Upper
156	100		
77	179.4	76.8	230.4
158	103.8	48.6	145.9



#78
n-propylbenzene
Concen: 3.697 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:	91	Resp:	48765
Ion	Ratio	Lower	Upper
91	100		
120	21.9	12.4	37.2

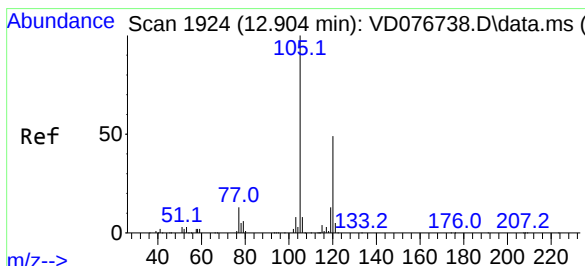
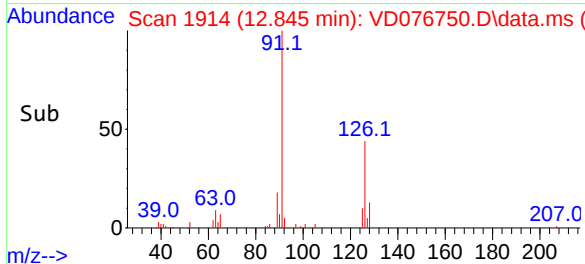
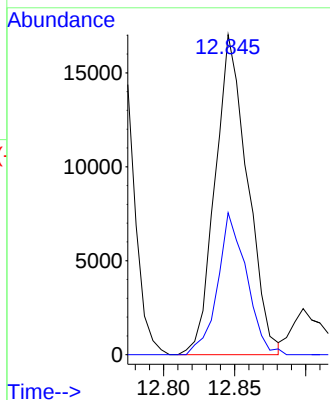
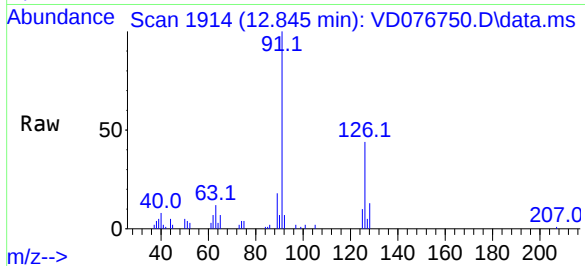




#79
2-Chlorotoluene
Concen: 3.736 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

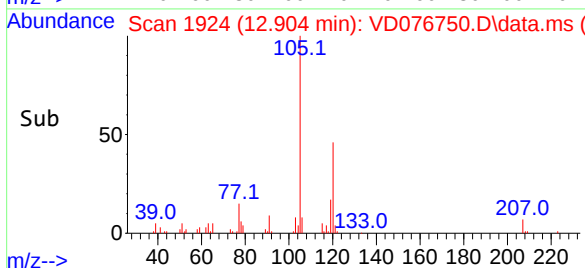
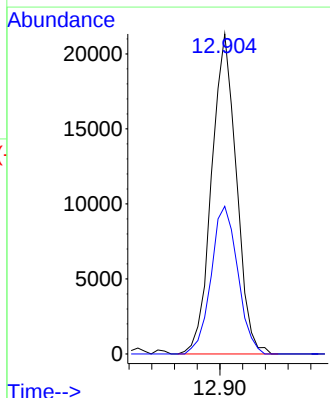
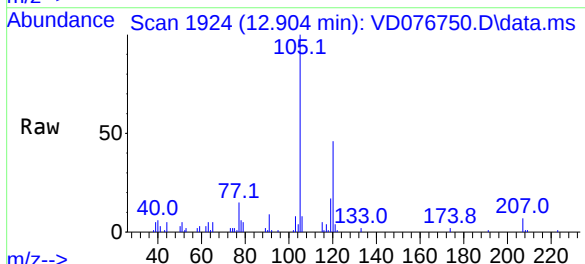
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

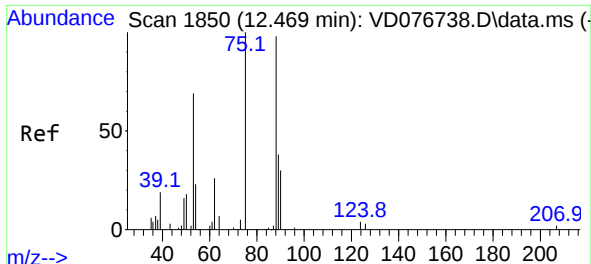
Tgt Ion: 91 Resp: 27026
Ion Ratio Lower Upper
91 100
126 39.5 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 3.673 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 105 Resp: 32314
Ion Ratio Lower Upper
105 100
120 49.6 26.4 79.2

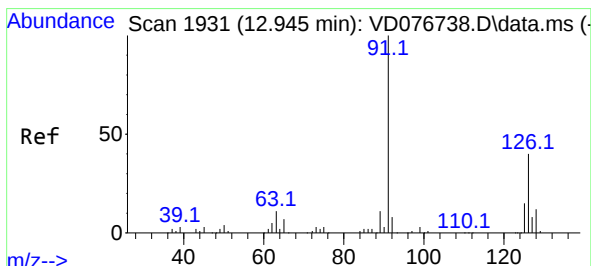
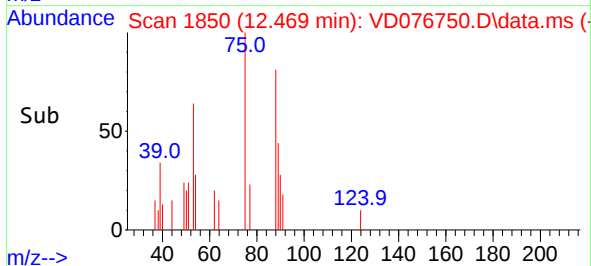
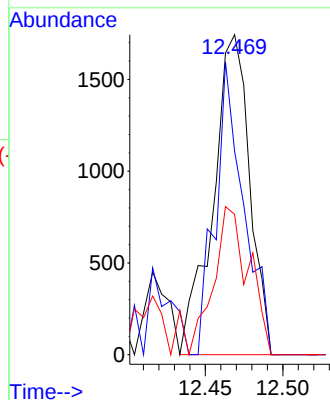
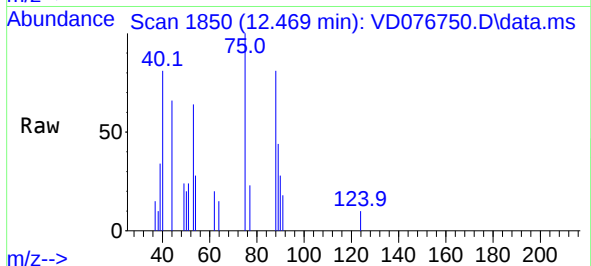




#81
trans-1,4-Dichloro-2-butene
Concen: 4.293 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

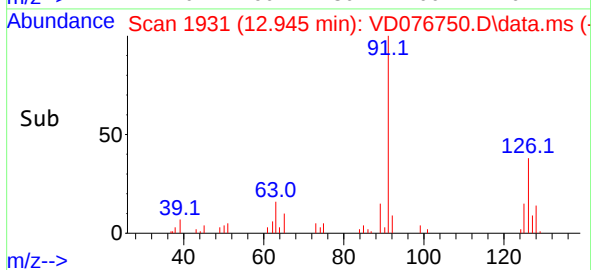
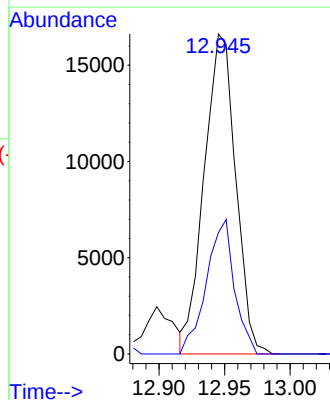
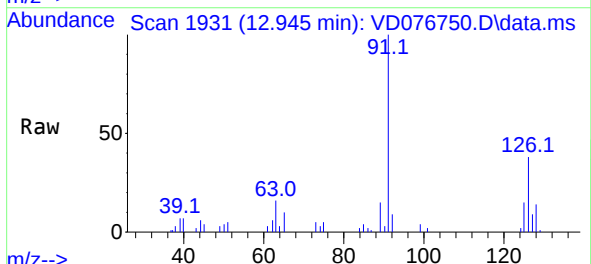
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

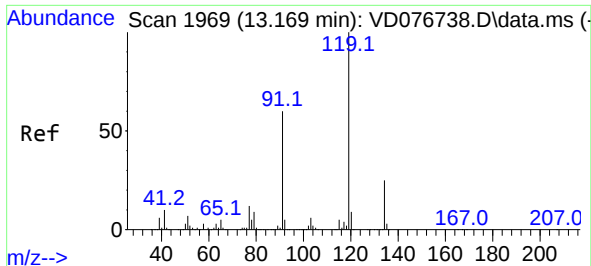
Tgt Ion:	75	Resp:	2877
Ion	Ratio	Lower	Upper
75	100		
53	70.7	63.0	94.4
89	44.4	37.9	56.9



#82
4-Chlorotoluene
Concen: 3.677 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:	91	Resp:	27786
Ion	Ratio	Lower	Upper
91	100		
126	37.4	19.4	58.4

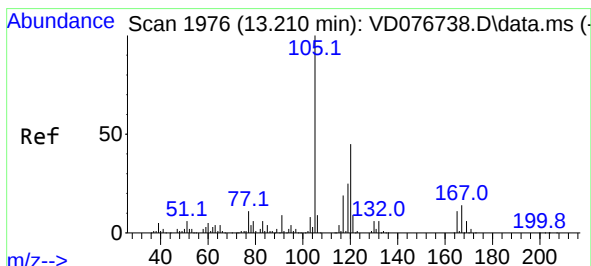
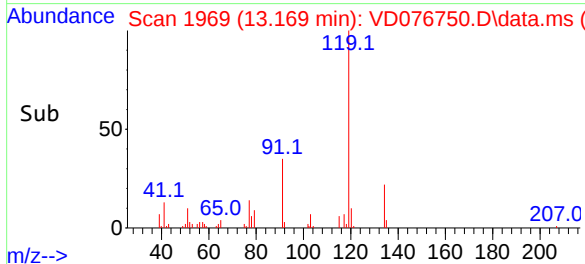
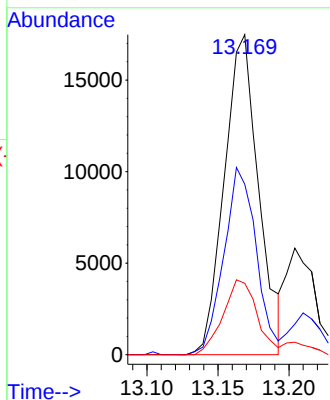
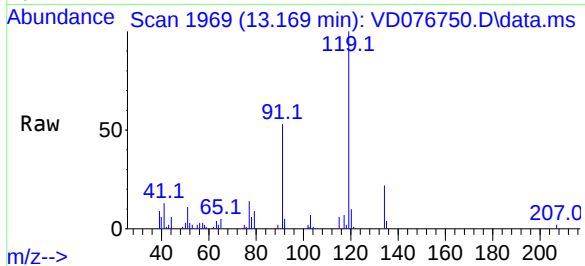




#83
tert-Butylbenzene
Concen: 3.799 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

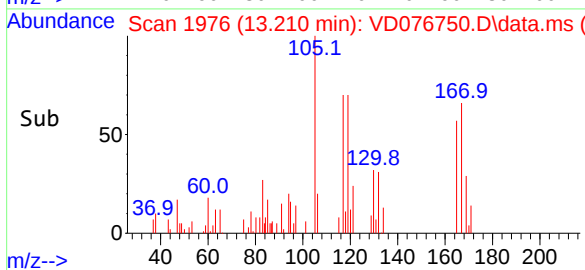
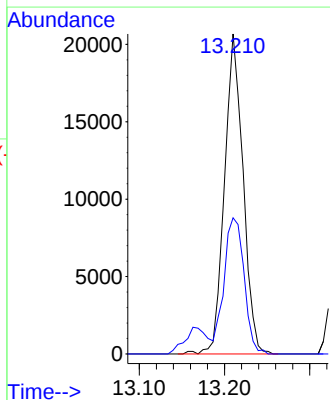
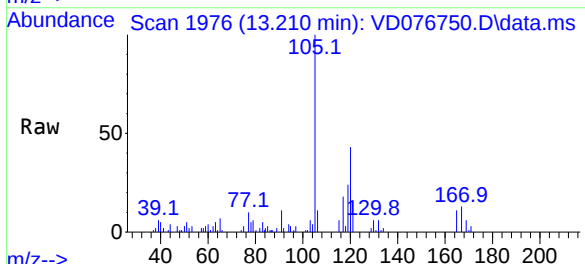
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

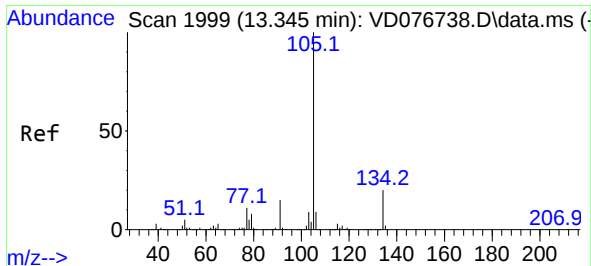
Tgt Ion:	119	Resp:	29432
Ion Ratio	Lower	Upper	
119	100		
91	55.2	29.3	87.8
134	23.1	14.1	42.3



#84
1,2,4-Trimethylbenzene
Concen: 3.479 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:	105	Resp:	31281
Ion Ratio	Lower	Upper	
105	100		
120	45.8	24.3	72.9

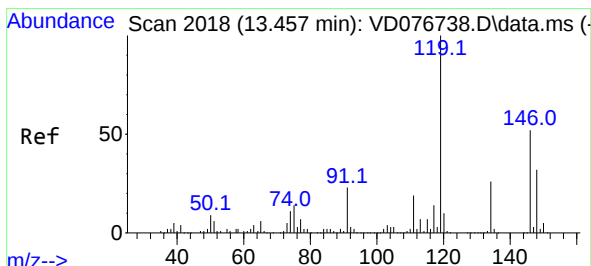
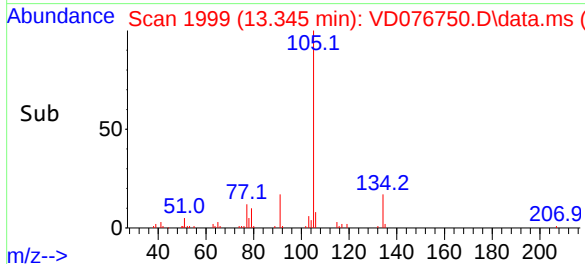
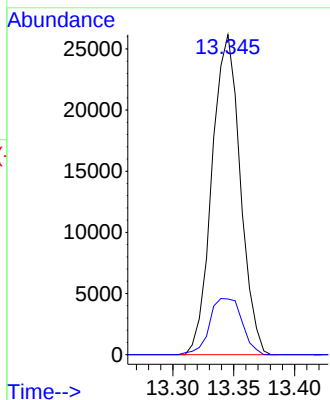
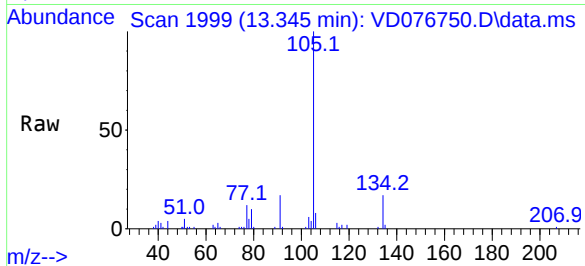




#85
sec-Butylbenzene
Concen: 3.574 ug/l
RT: 13.345 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

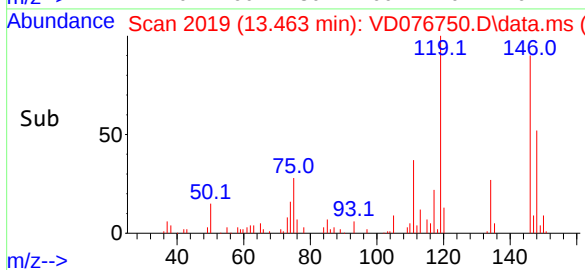
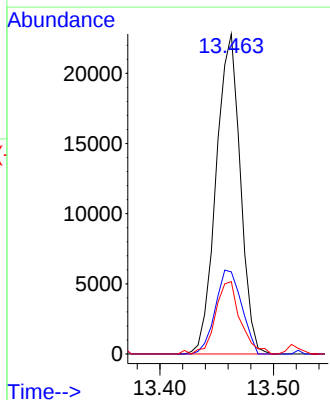
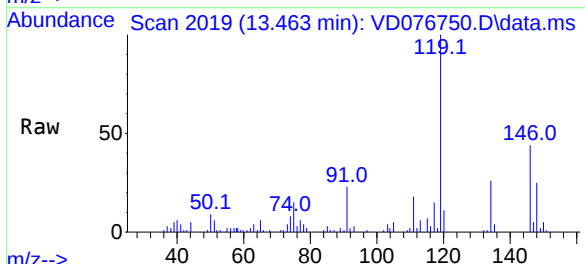
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

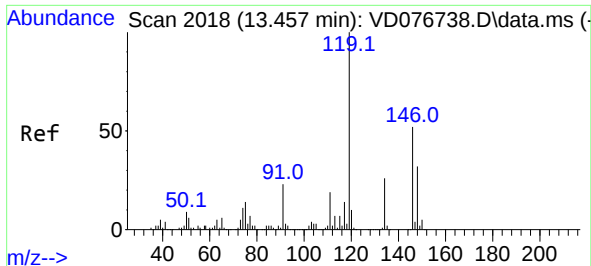
Tgt Ion:105 Resp: 42304
Ion Ratio Lower Upper
105 100
134 20.1 10.9 32.9



#86
p-Isopropyltoluene
Concen: 3.451 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:119 Resp: 33737
Ion Ratio Lower Upper
119 100
134 28.4 14.2 42.6
91 23.3 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 3.934 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

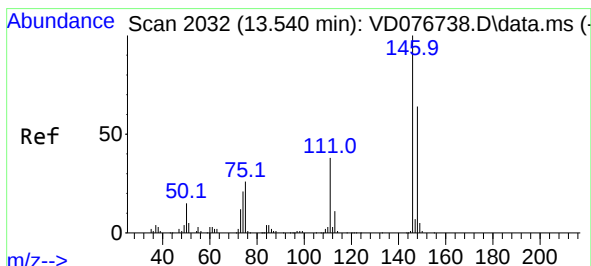
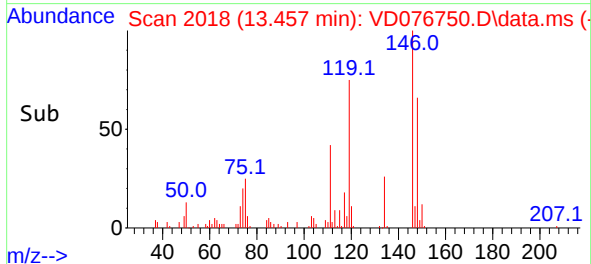
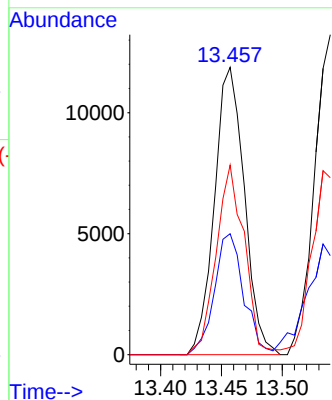
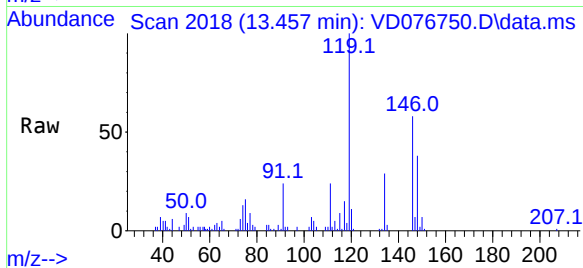
Tgt Ion:146 Resp: 20323

Ion Ratio Lower Upper

146 100

111 41.4 17.9 53.8

148 62.2 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 3.961 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. -0.001 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

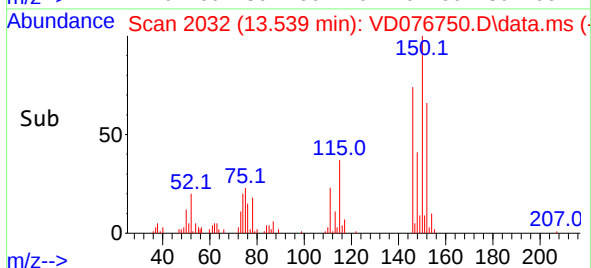
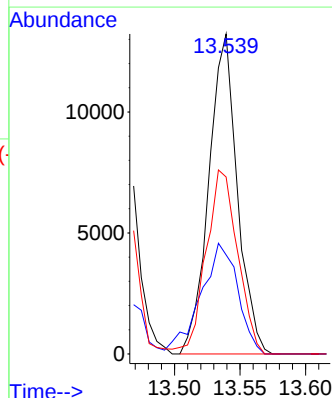
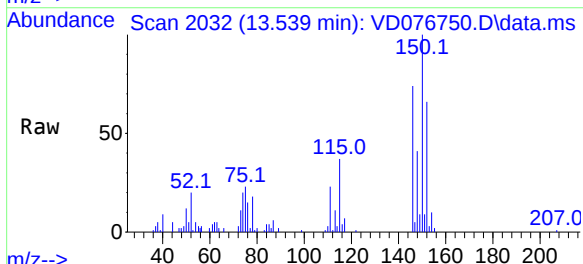
Tgt Ion:146 Resp: 20046

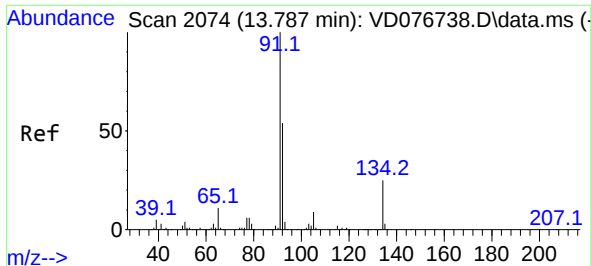
Ion Ratio Lower Upper

146 100

111 44.8 17.4 52.3

148 63.4 31.7 95.1





#89

n-Butylbenzene

Concen: 3.667 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.001 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

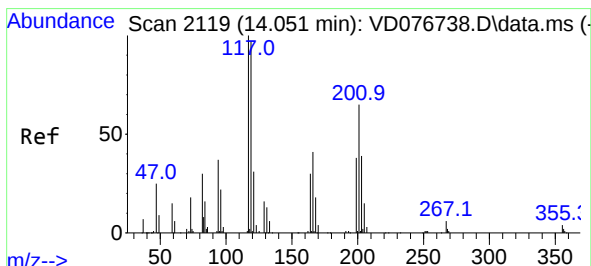
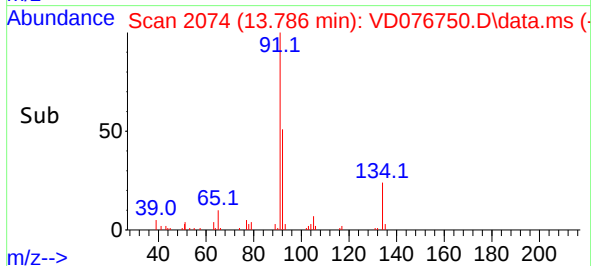
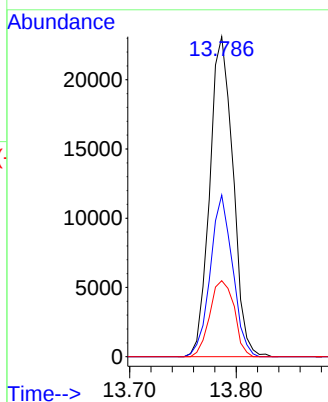
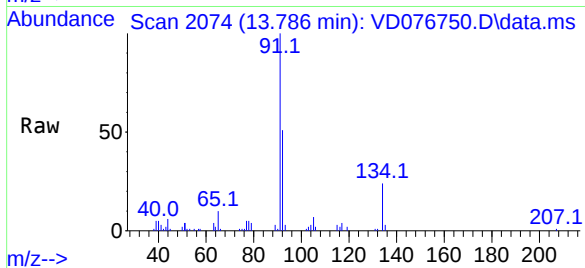
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:	91	Resp:	35076
Ion	Ratio	Lower	Upper
91	100		
92	48.5	26.5	79.5
134	24.9	13.8	41.3



#90

Hexachloroethane

Concen: 3.985 ug/l

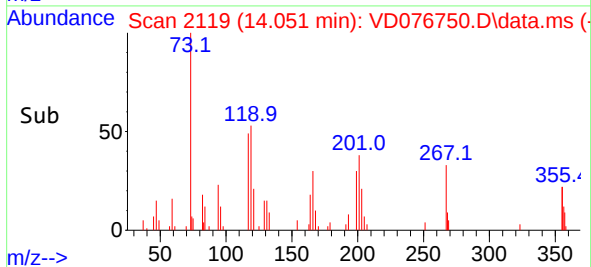
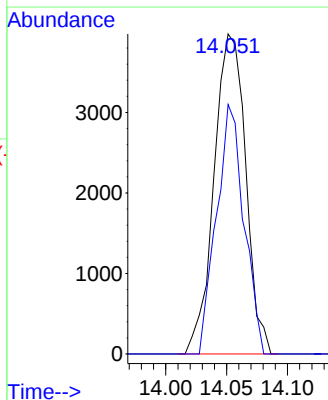
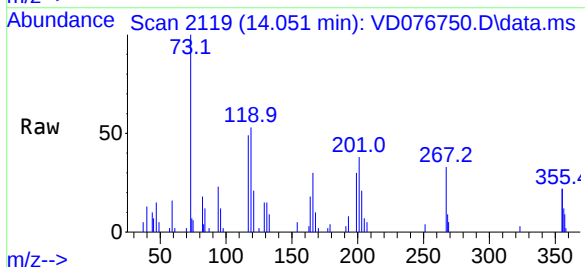
RT: 14.051 min Scan# 2119

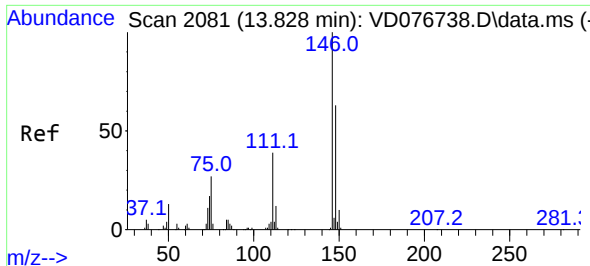
Delta R.T. 0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Tgt Ion:	117	Resp:	7201
Ion	Ratio	Lower	Upper
117	100		
201	67.4	38.5	115.5

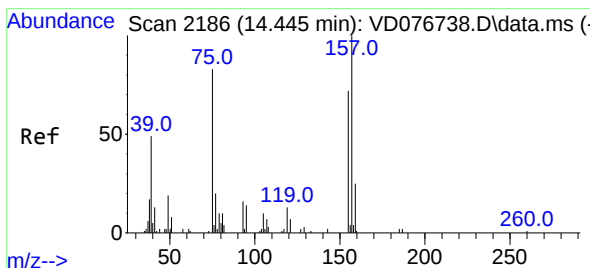
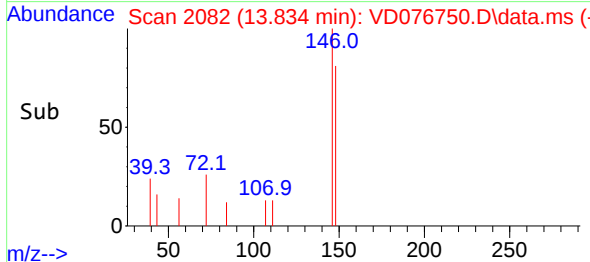
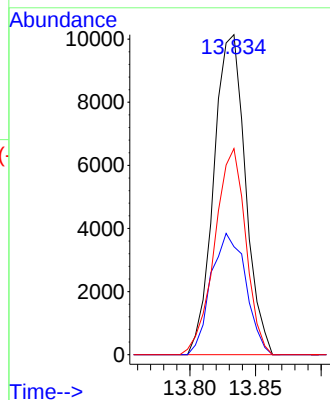
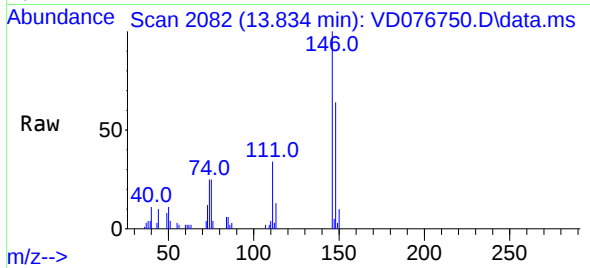




#91
 1,2-Dichlorobenzene
 Concen: 3.734 ug/l
 RT: 13.834 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

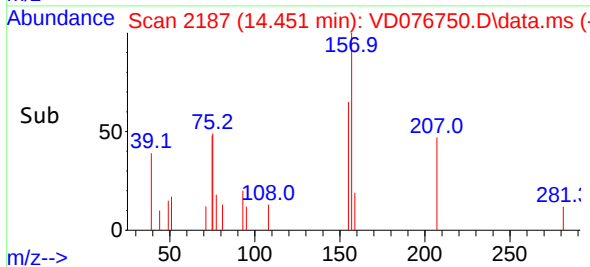
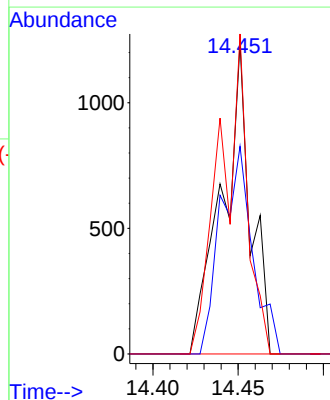
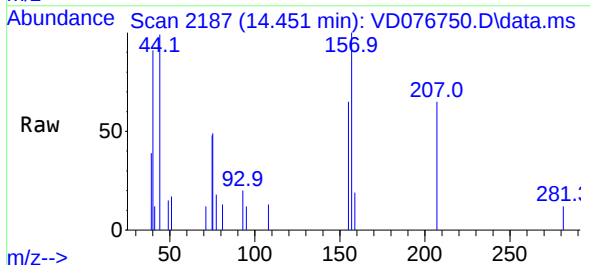
Instrument : MSVOA_D
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

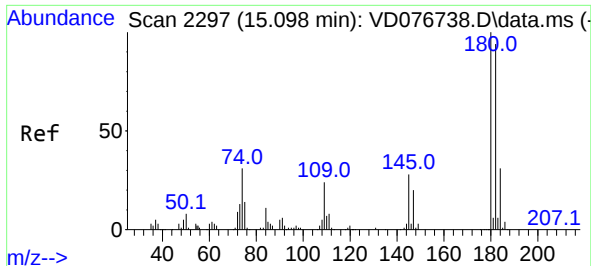
Tgt Ion:	146	Resp:	16997
Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.3	54.8
148	63.3	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.311 ug/l
 RT: 14.451 min Scan# 2187
 Delta R.T. 0.006 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

Tgt Ion:	75	Resp:	1436
Ion	Ratio	Lower	Upper
75	100		
155	74.9	47.9	143.8
157	99.0	59.9	179.7

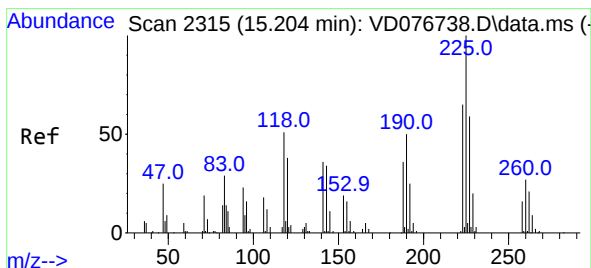
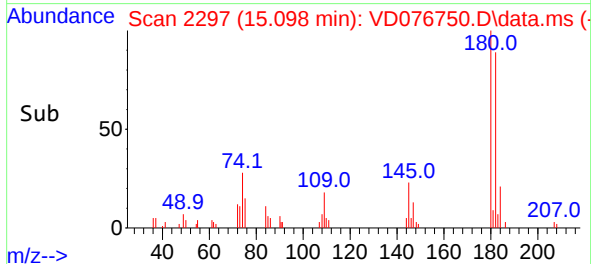
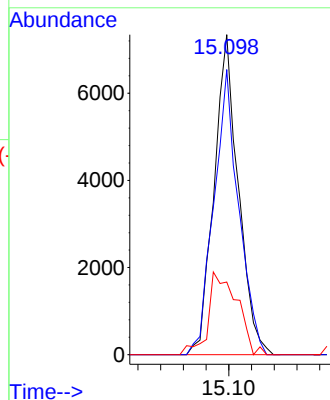
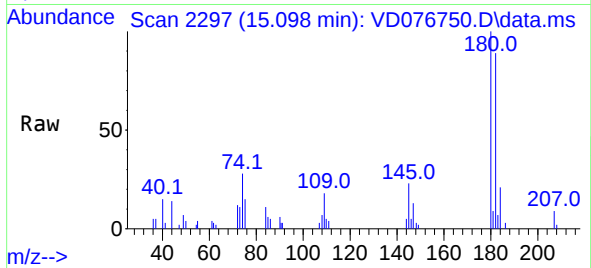




#93
1,2,4-Trichlorobenzene
Concen: 3.928 ug/l
RT: 15.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

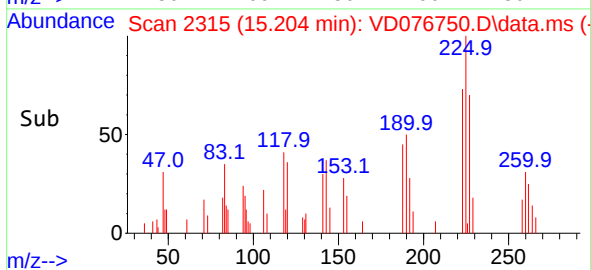
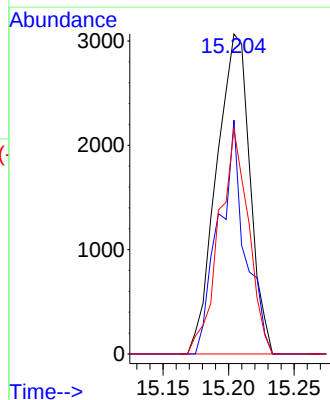
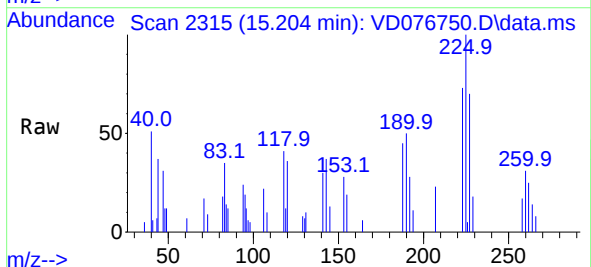
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

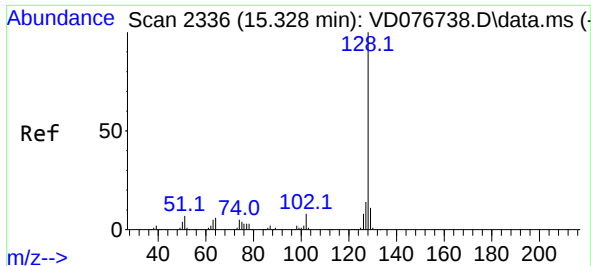
Tgt Ion:	180	Resp:	10915
Ion Ratio	Lower	Upper	
180	100		
182	91.1	48.5	145.6
145	30.6	14.2	42.6



#94
Hexachlorobutadiene
Concen: 4.069 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:	225	Resp:	5438
Ion Ratio	Lower	Upper	
225	100		
223	57.3	31.6	94.8
227	62.1	31.7	95.1

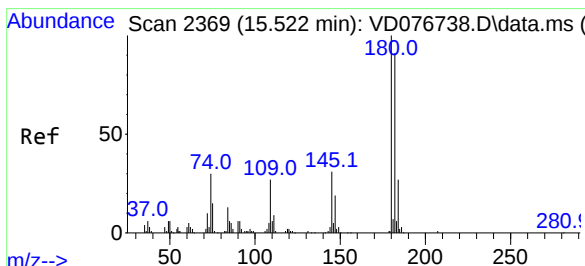
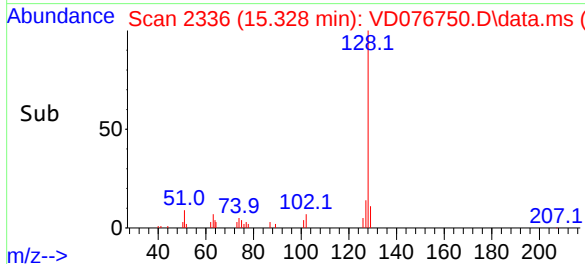
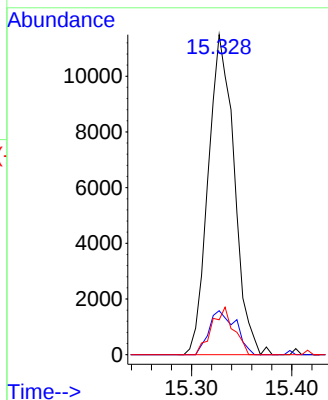
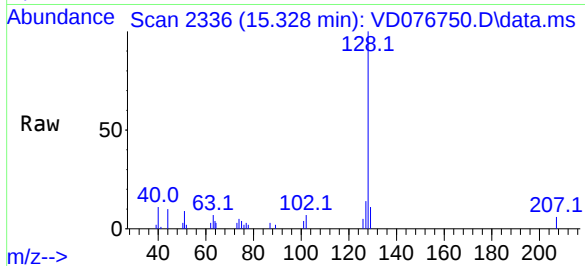




#95
Naphthalene
Concen: 3.446 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:	128	Resp:	20734
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.867 ug/l
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:	180	Resp:	9643
Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.3	141.9
145	35.3	15.1	45.3

