

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069850.D
 Acq On : 26 Jul 2021 16:23
 Operator : VA/SY
 Sample : M2940-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/27/2021 12:14:25 PM

Quant Time: Jul 27 08:17:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 27 08:17:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	689900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1321759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1286968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	575283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	406909	51.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.560%			
35) Dibromofluoromethane	7.914	113	388502	46.626	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.260%			
50) Toluene-d8	10.337	98	1583844	49.296	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.600%			
62) 4-Bromofluorobenzene	12.625	95	561915	52.331	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	17212	2.370	ug/l	97
3) Chloromethane	2.208	50	24481	2.324	ug/l	91
4) Vinyl Chloride	2.350	62	24428	2.205	ug/l	99
5) Bromomethane	2.773	94	21080	2.905	ug/l	99
6) Chloroethane	2.920	64	15838	2.206	ug/l #	85
7) Trichlorofluoromethane	3.273	101	33174	2.425	ug/l	89
8) Diethyl Ether	3.708	74	8602	2.236	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	21659	2.493	ug/l #	88
10) Methyl Iodide	4.308	142	12819	1.689	ug/l	97
11) Tert butyl alcohol	5.220	59	7661m	18.660	ug/l	
12) 1,1-Dichloroethene	4.061	96	18583	2.354	ug/l #	82
13) Acrolein	3.926	56	5728	9.967	ug/l #	73
14) Allyl chloride	4.708	41	20338	1.757	ug/l	90
15) Acrylonitrile	5.420	53	17781	9.825	ug/l	94
16) Acetone	4.155	43	17667	12.326	ug/l	97
17) Carbon Disulfide	4.408	76	60659	2.149	ug/l	96
18) Methyl Acetate	4.726	43	12205	2.935	ug/l	97
19) Methyl tert-butyl Ether	5.467	73	34205	2.091	ug/l #	76
20) Methylene Chloride	4.967	84	72811	5.577	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	21692	2.332	ug/l	85
22) Diisopropyl ether	6.361	45	42812	1.702	ug/l #	84
23) Vinyl Acetate	6.302	43	87993m	7.304	ug/l	
24) 1,1-Dichloroethane	6.261	63	38865	2.238	ug/l	100
25) 2-Butanone	7.214	43	21393	11.006	ug/l	98
26) 2,2-Dichloropropane	7.214	77	29008	2.196	ug/l	89
27) cis-1,2-Dichloroethene	7.208	96	23354	2.353	ug/l	91
28) Bromochloromethane	7.543	49	11101	1.683	ug/l #	94
29) Tetrahydrofuran	7.561	42	14326	11.392	ug/l #	77
30) Chloroform	7.702	83	45716	2.618	ug/l	91
31) Cyclohexane	7.979	56	63596	4.102	ug/l #	84
32) 1,1,1-Trichloroethane	7.908	97	35868	2.481	ug/l	99
36) 1,1-Dichloropropene	8.102	75	30649	2.149	ug/l	96
37) Ethyl Acetate	7.290	43	11137m	2.145	ug/l	
38) Carbon Tetrachloride	8.096	117	26137	2.006	ug/l	90
39) Methylcyclohexane	9.349	83	90920	5.566	ug/l	97
40) Benzene	8.349	78	91621	2.217	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069850.D
 Acq On : 26 Jul 2021 16:23
 Operator : VA/SY
 Sample : M2940-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/27/2021 12:14:25 PM

Quant Time: Jul 27 08:17:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 27 08:17:07 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	6138m	2.252	ug/l	
42) 1,2-Dichloroethane	8.420	62	26074	2.386	ug/l	84
43) Isopropyl Acetate	8.449	43	24034	2.581	ug/l	94
44) Trichloroethene	9.108	130	24454	2.403	ug/l	95
45) 1,2-Dichloropropane	9.384	63	24327	2.241	ug/l	90
46) Dibromomethane	9.479	93	11457	2.147	ug/l #	85
47) Bromodichloromethane	9.661	83	33015	2.382	ug/l	100
48) Methyl methacrylate	9.461	41	11669	2.604	ug/l	98
49) 1,4-Dioxane	9.449	88	2522	44.740	ug/l #	51
51) 4-Methyl-2-Pentanone	10.220	43	58277	12.025	ug/l	98
52) Toluene	10.396	92	59165	2.360	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	27717	2.382	ug/l	94
54) cis-1,3-Dichloropropene	10.084	75	32621	2.316	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	40891	5.426	ug/l #	84
56) Ethyl methacrylate	10.661	69	33207	4.025	ug/l	92
57) 1,3-Dichloropropane	10.943	76	29720	2.331	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.937	63	42931	12.146	ug/l	90
59) 2-Hexanone	10.979	43	37816	11.797	ug/l	90
60) Dibromochloromethane	11.137	129	21572	2.528	ug/l	97
61) 1,2-Dibromoethane	11.237	107	17699	2.608	ug/l	85
64) Tetrachloroethene	10.873	164	18889	2.302	ug/l	92
65) Chlorobenzene	11.667	112	64044	2.402	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.731	131	25049	2.612	ug/l	87
67) Ethyl Benzene	11.737	91	137996	2.940	ug/l	100
68) m/p-Xylenes	11.849	106	86778	4.769	ug/l	98
69) o-Xylene	12.173	106	41558	2.512	ug/l	99
70) Styrene	12.190	104	68312	2.383	ug/l	97
71) Bromoform	12.349	173	8671	1.861	ug/l #	35
73) Isopropylbenzene	12.473	105	126699	3.065	ug/l	97
74) N-amyl acetate	12.267	43	45417	5.342	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.720	83	89741	10.871	ug/l #	45
76) 1,2,3-Trichloropropane	12.778	75	15466m	2.529	ug/l	
77) Bromobenzene	12.755	156	24067	2.585	ug/l	93
78) n-propylbenzene	12.814	91	149770	2.821	ug/l	98
79) 2-Chlorotoluene	12.902	91	79650	2.583	ug/l	91
80) 1,3,5-Trimethylbenzene	12.955	105	94720	2.679	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.525	75	5710m	2.833	ug/l	
82) 4-Chlorotoluene	12.996	91	80428	2.495	ug/l	90
83) tert-Butylbenzene	13.214	119	80411	2.797	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	86692	2.485	ug/l	99
85) sec-Butylbenzene	13.390	105	131922	2.903	ug/l	97
86) p-Isopropyltoluene	13.508	119	99362	2.691	ug/l	95
87) 1,3-Dichlorobenzene	13.508	146	52062	2.664	ug/l	94
88) 1,4-Dichlorobenzene	13.584	146	48874m	2.509	ug/l	
89) n-Butylbenzene	13.837	91	100093	2.747	ug/l	98
90) Hexachloroethane	14.102	117	18630	2.382	ug/l	99
91) 1,2-Dichlorobenzene	13.878	146	41439	2.456	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.496	75	3224	2.712	ug/l	75
93) 1,2,4-Trichlorobenzene	15.149	180	26277	2.887	ug/l #	90
94) Hexachlorobutadiene	15.255	225	13977	2.510	ug/l	98
95) Naphthalene	15.390	128	67665	4.165	ug/l	96
96) 1,2,3-Trichlorobenzene	15.578	180	21204	2.694	ug/l #	78

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069850.D
 Acq On : 26 Jul 2021 16:23
 Operator : VA/SY
 Sample : M2940-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

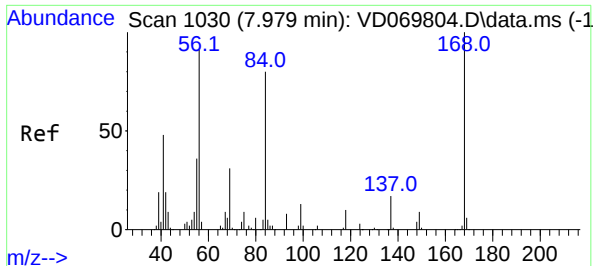
Manual Integrations
APPROVED

MMDadoda
 7/27/2021 12:14:25 PM

Quant Time: Jul 27 08:17:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 27 08:17:07 2021
 Response via : Initial Calibration

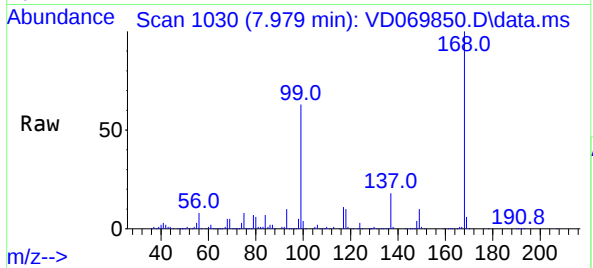
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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



Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

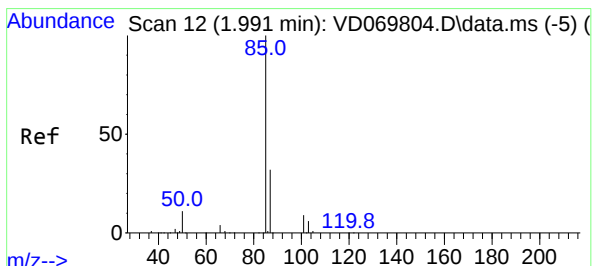
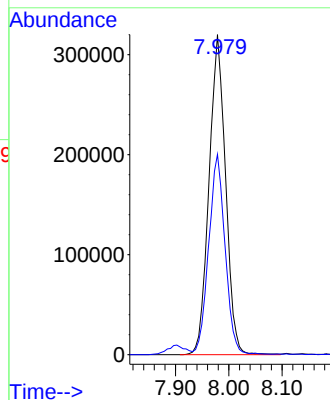
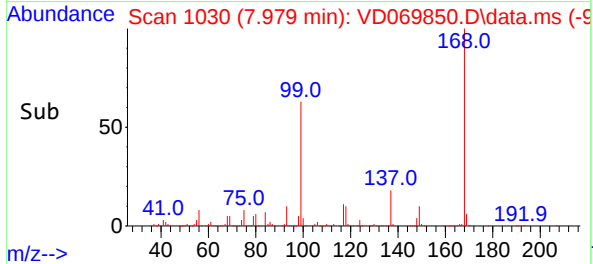
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



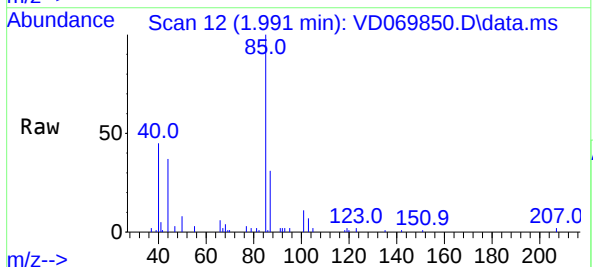
Tgt Ion:168 Resp: 689900
Ion Ratio Lower Upper
168 100
99 62.4 51.1 76.7

Manual Integrations
APPROVED

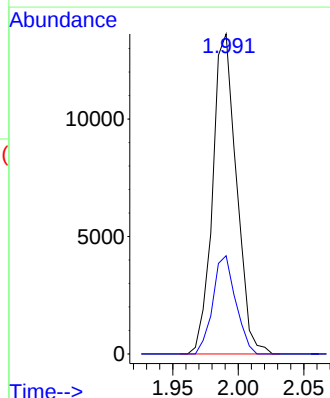
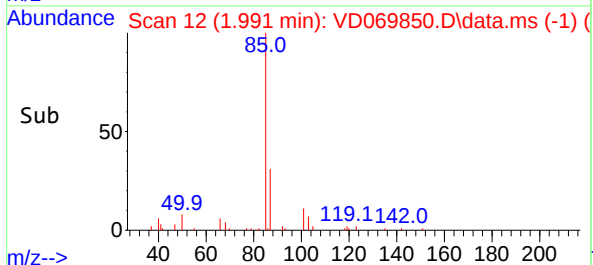
MMDadoda
7/27/2021 12:14:25 PM

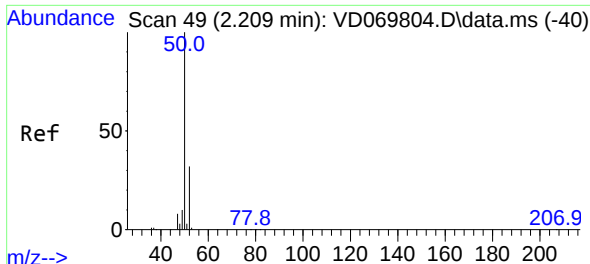


Dichlorodifluoromethane
Concen: 2.370 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



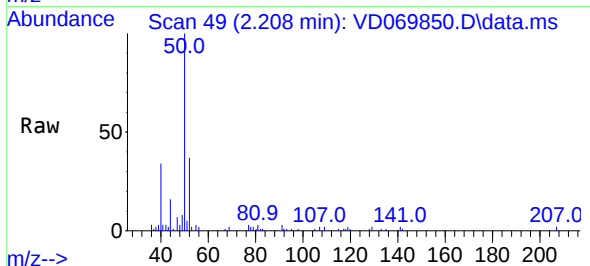
Tgt Ion: 85 Resp: 17212
Ion Ratio Lower Upper
85 100
87 30.7 16.1 48.3





#3
Chloromethane
Concen: 2.324 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

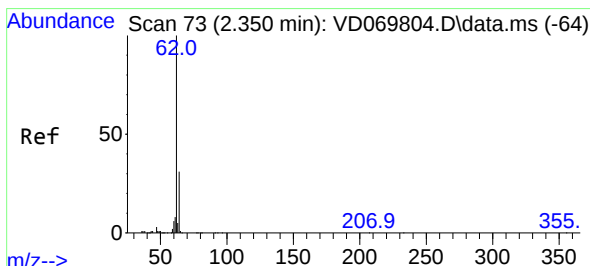
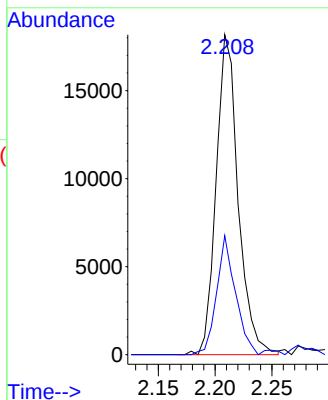
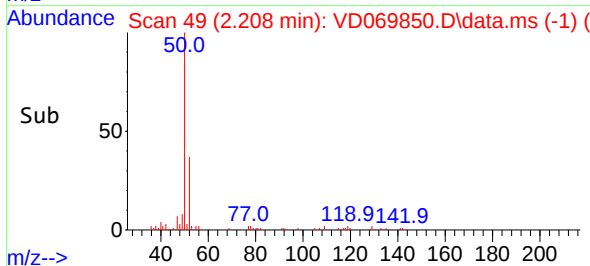
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



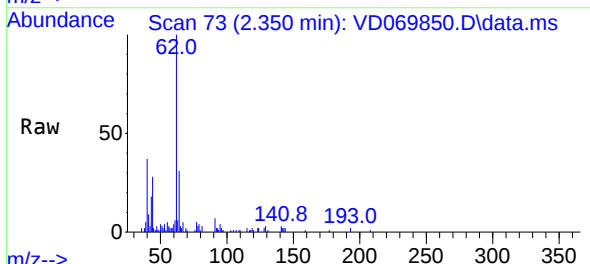
Tgt Ion: 50 Resp: 24481
Ion Ratio Lower Upper
50 100
52 37.2 25.7 38.5

Manual Integrations
APPROVED

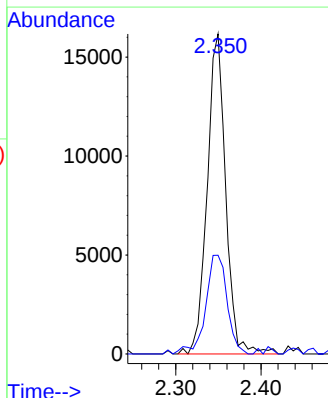
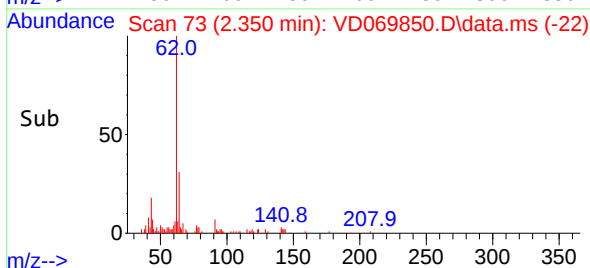
MMDadoda
7/27/2021 12:14:25 PM

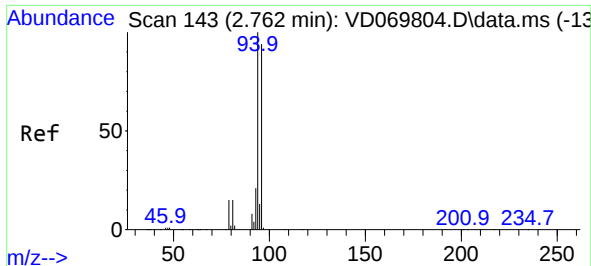


#4
Vinyl Chloride
Concen: 2.205 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



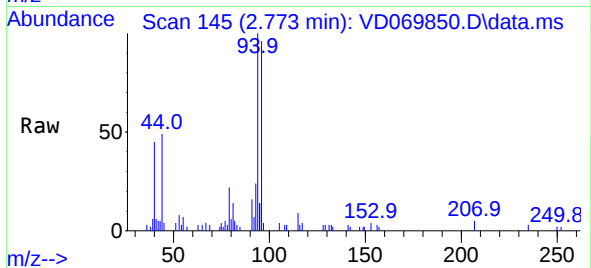
Tgt Ion: 62 Resp: 24428
Ion Ratio Lower Upper
62 100
64 30.8 25.0 37.4





#5
Bromomethane
Concen: 2.905 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

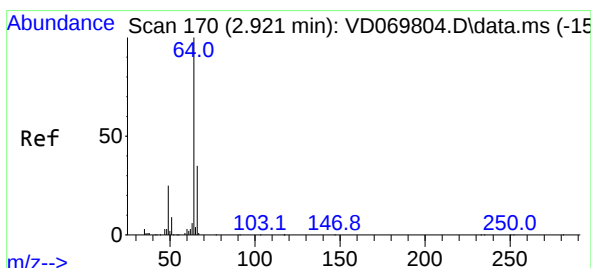
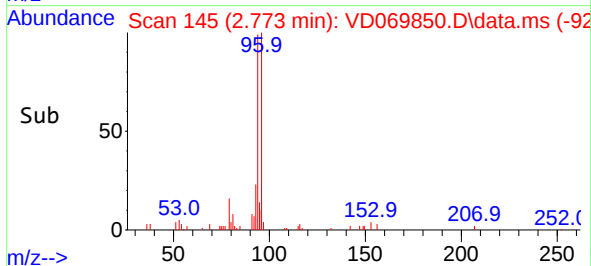
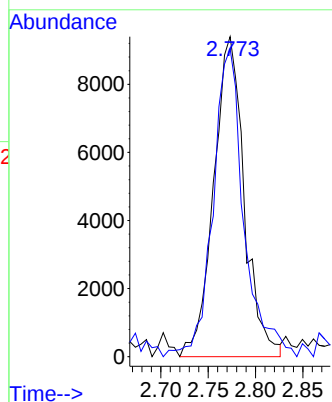
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



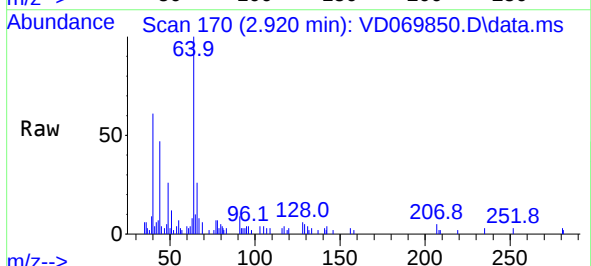
Tgt Ion: 94 Resp: 21080
Ion Ratio Lower Upper
94 100
96 94.1 74.8 112.2

Manual Integrations
APPROVED

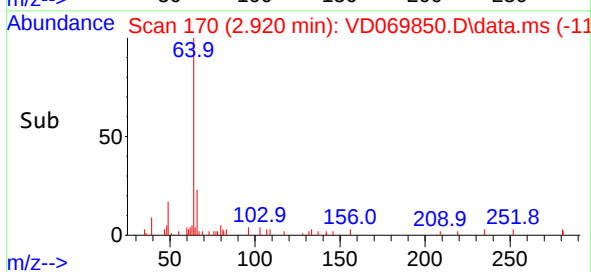
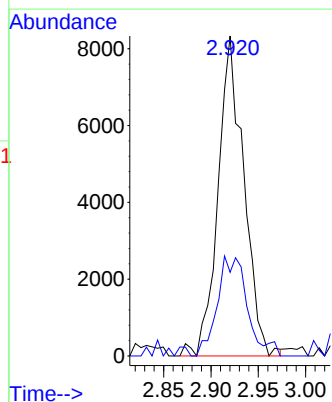
MMDadoda
7/27/2021 12:14:25 PM

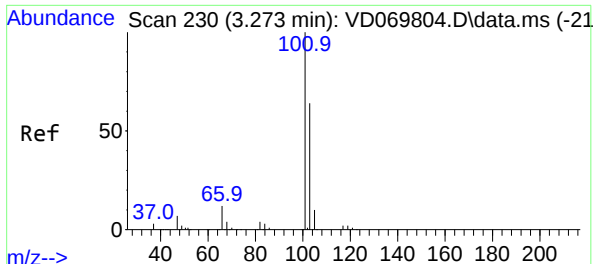


#6
Chloroethane
Concen: 2.206 ug/l
RT: 2.920 min Scan# 170
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



Tgt Ion: 64 Resp: 15838
Ion Ratio Lower Upper
64 100
66 26.1 27.8 41.6#





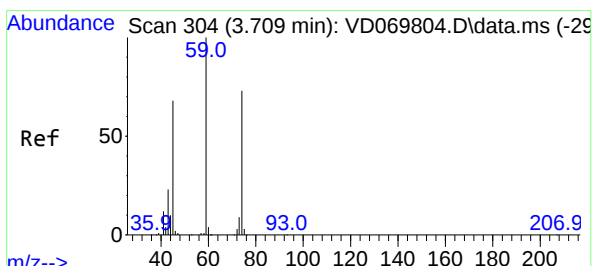
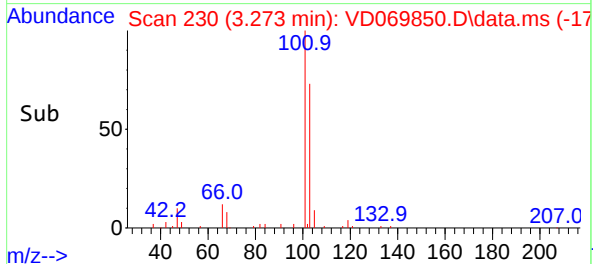
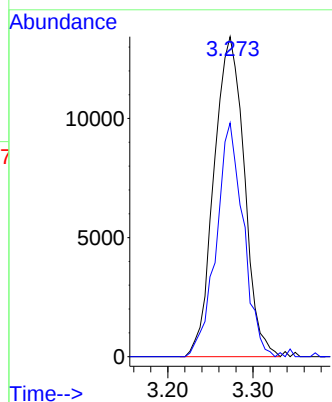
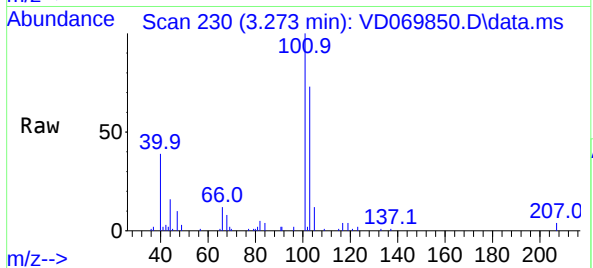
#7
Trichlorofluoromethane
Concen: 2.425 ug/l
RT: 3.273 min Scan# 230
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:101 Resp: 33174
Ion Ratio Lower Upper
101 100
103 73.0 51.3 76.9

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

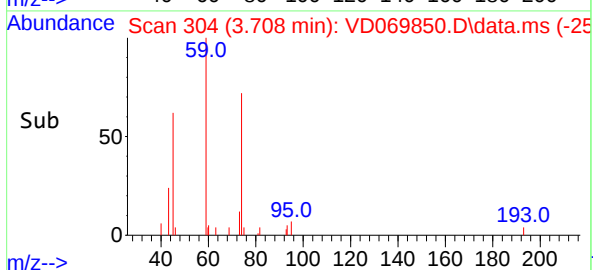
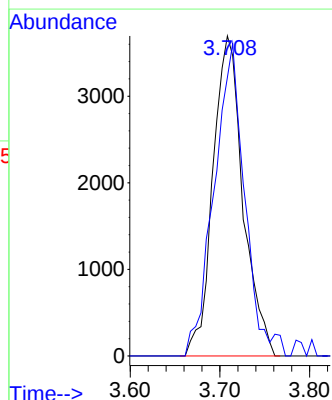
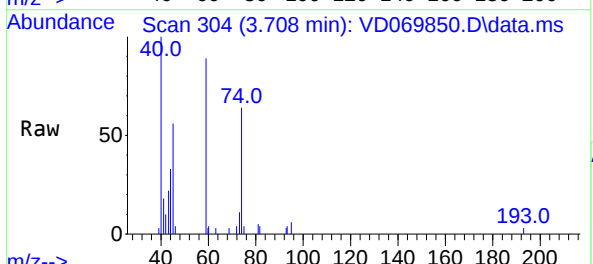
Manual Integrations
APPROVED

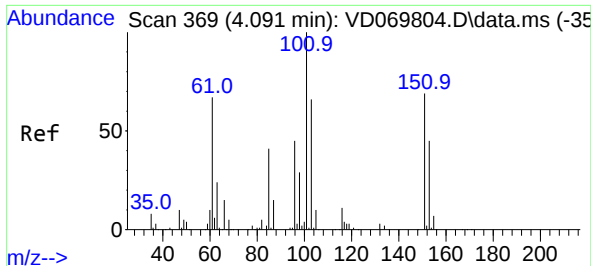
MMDadoda
7/27/2021 12:14:25 PM



#8
Diethyl Ether
Concen: 2.236 ug/l
RT: 3.708 min Scan# 304
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 74 Resp: 8602
Ion Ratio Lower Upper
74 100
45 99.5 46.8 140.4





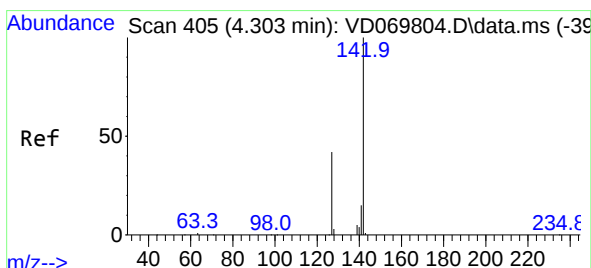
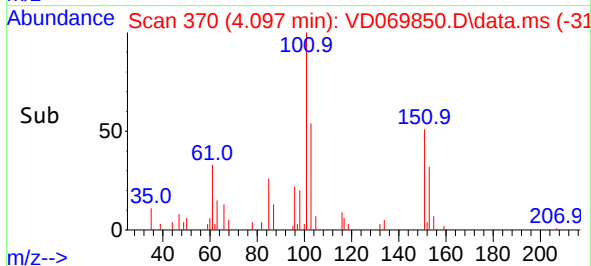
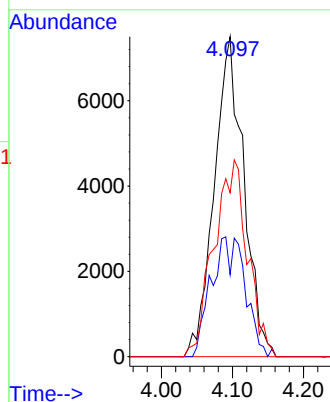
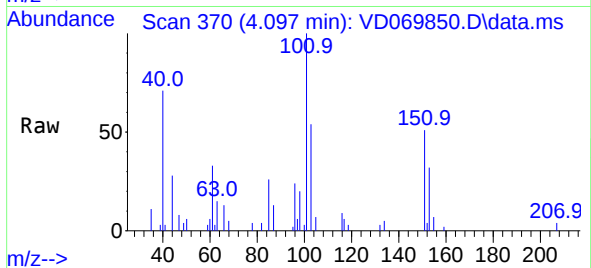
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.493 ug/l
RT: 4.097 min Scan# 370
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:101 Resp: 21659
Ion Ratio Lower Upper
101 100
85 24.7 34.7 52.1#
151 69.9 55.4 83.0

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

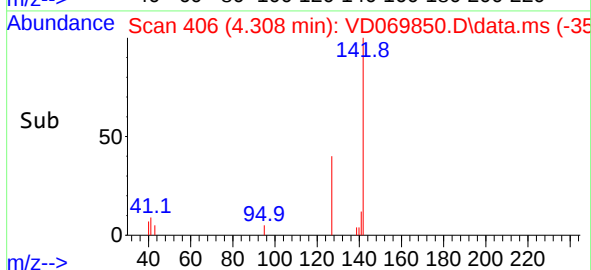
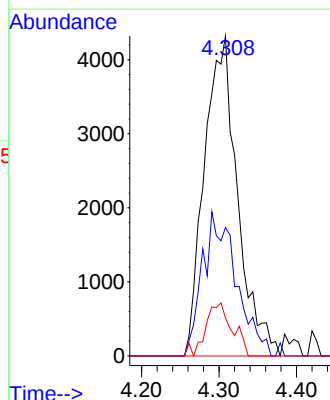
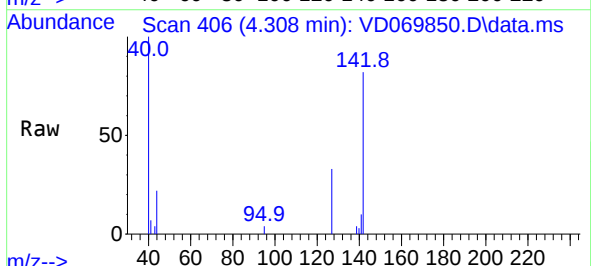
Manual Integrations
APPROVED

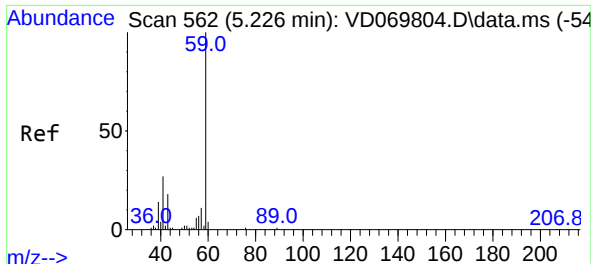
MMDadoda
7/27/2021 12:14:25 PM



#10
Methyl Iodide
Concen: 1.689 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

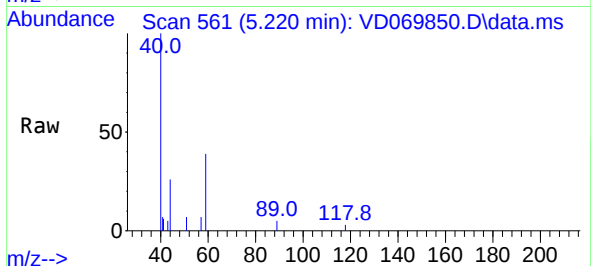
Tgt Ion:142 Resp: 12819
Ion Ratio Lower Upper
142 100
127 46.0 35.7 53.5
141 13.3 12.0 18.0





#11
Tert butyl alcohol
Concen: 18.660 ug/l m
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

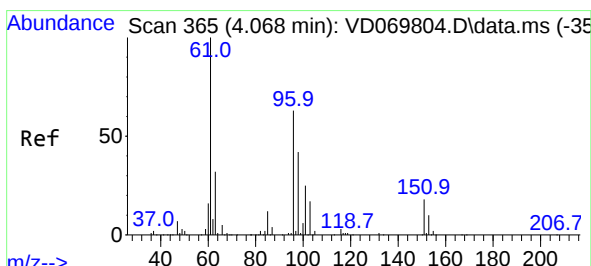
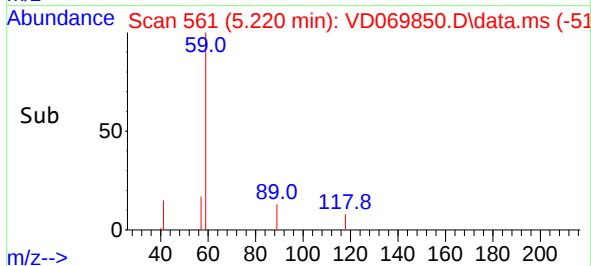
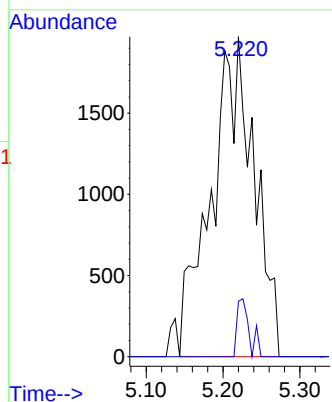
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion: 59 Resp: 7661
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

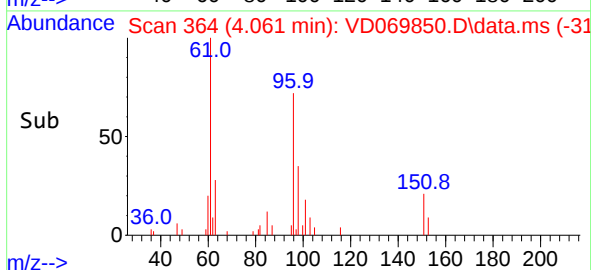
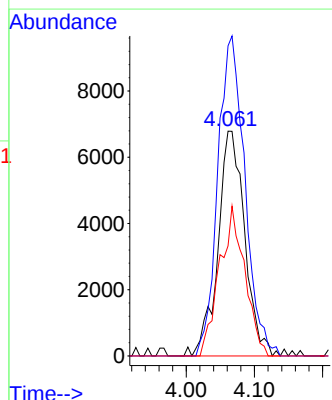
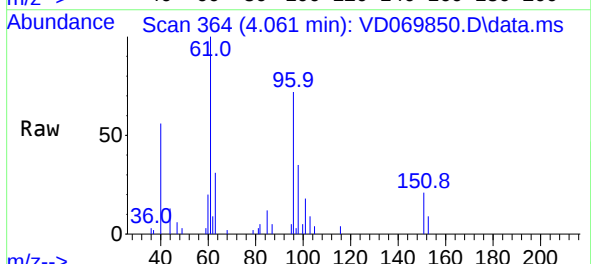
Manual Integrations
APPROVED

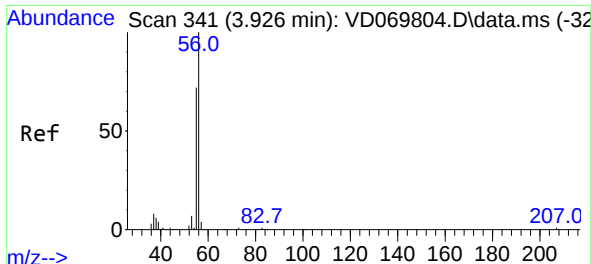
MMDadoda
7/27/2021 12:14:25 PM



#12
1,1-Dichloroethene
Concen: 2.354 ug/l
RT: 4.061 min Scan# 364
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

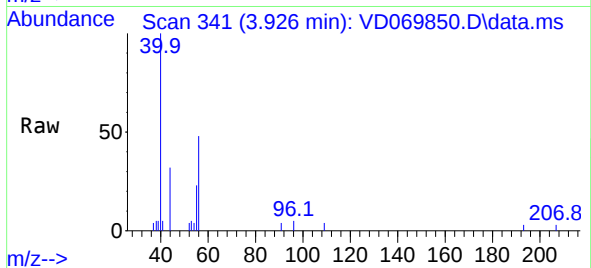
Tgt Ion: 96 Resp: 18583
Ion Ratio Lower Upper
96 100
61 138.0 126.9 190.3
98 49.0 53.2 79.8#





#13
Acrolein
Concen: 9.967 ug/l
RT: 3.926 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

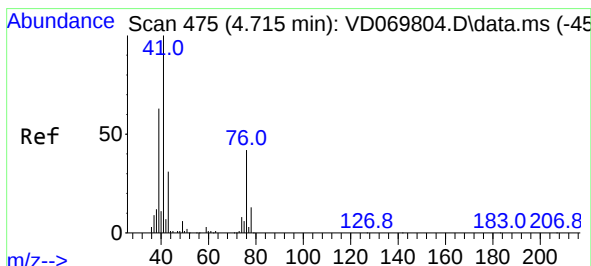
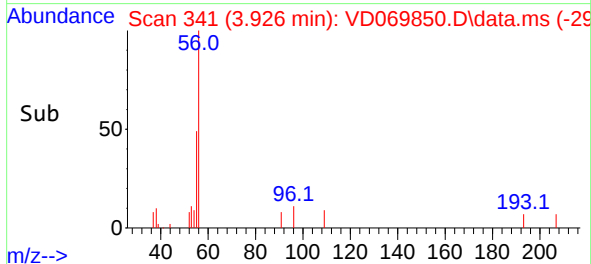
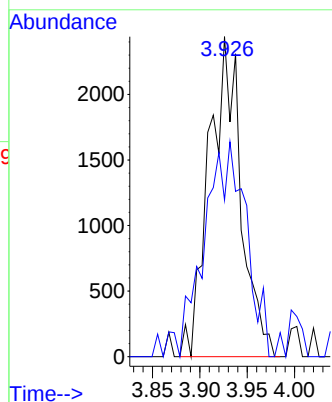
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion: 56 Resp: 5728
Ion Ratio Lower Upper
56 100
55 49.0 57.2 85.8#

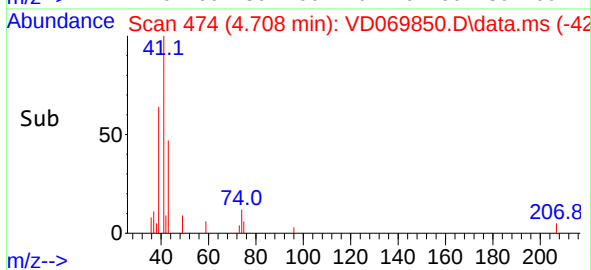
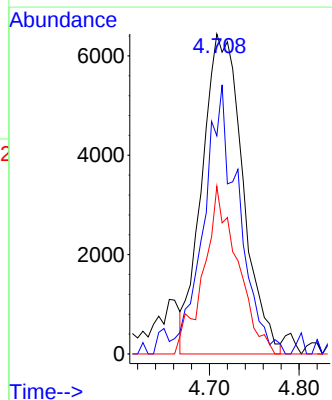
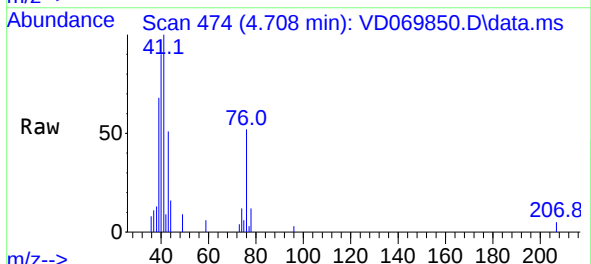
Manual Integrations
APPROVED

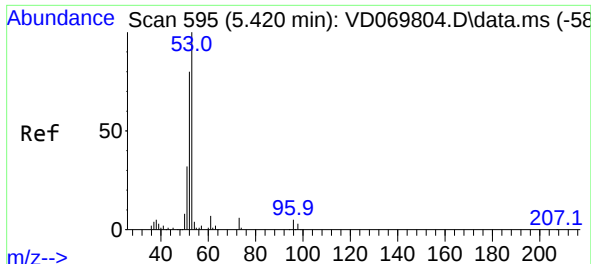
MMDadoda
7/27/2021 12:14:25 PM



#14
Allyl chloride
Concen: 1.757 ug/l
RT: 4.708 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

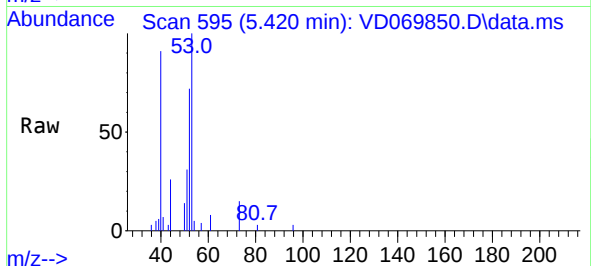
Tgt Ion: 41 Resp: 20338
Ion Ratio Lower Upper
41 100
39 71.7 49.8 74.6
76 43.6 31.8 47.8





#15
Acrylonitrile
Concen: 9.825 ug/l
RT: 5.420 min Scan# 595
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

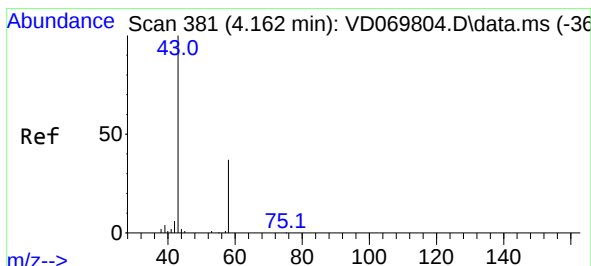
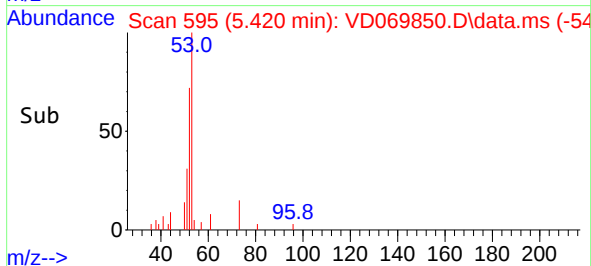
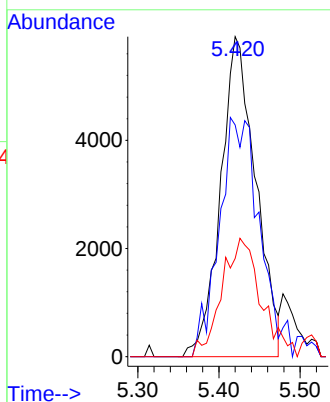
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion: 53 Resp: 17781
Ion Ratio Lower Upper
53 100
52 85.8 65.3 97.9
51 41.3 28.3 42.5

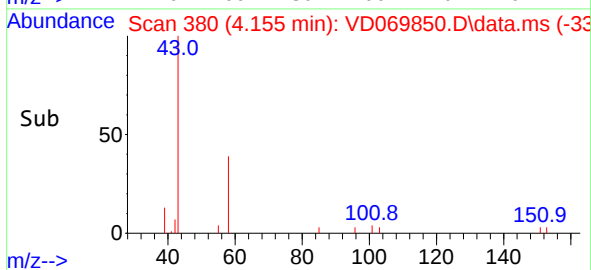
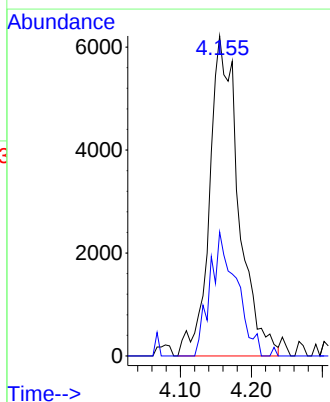
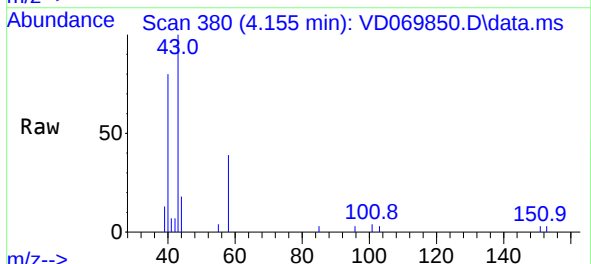
Manual Integrations
APPROVED

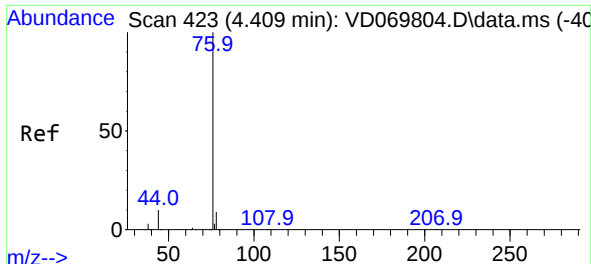
MMDadoda
7/27/2021 12:14:25 PM



#16
Acetone
Concen: 12.326 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 43 Resp: 17667
Ion Ratio Lower Upper
43 100
58 38.8 29.4 44.0





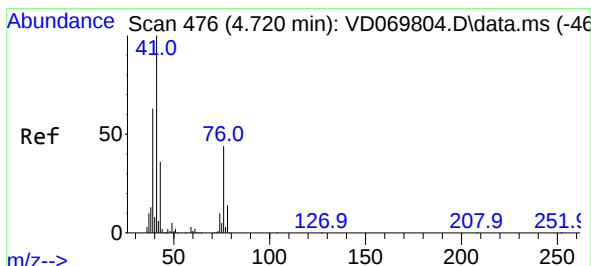
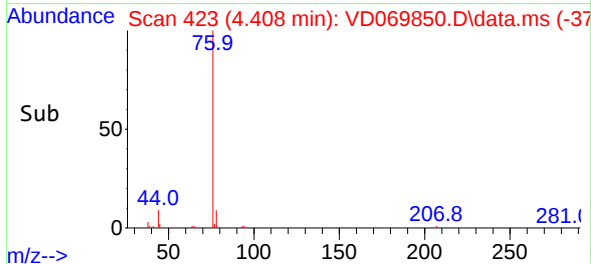
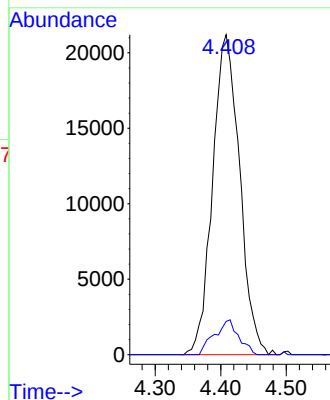
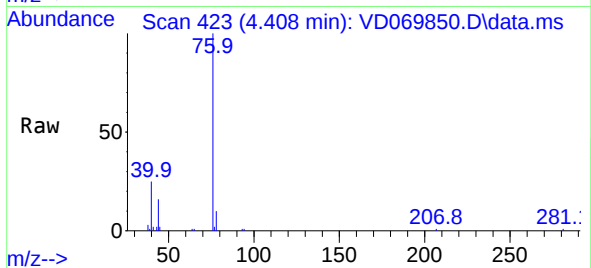
#17
Carbon Disulfide
Concen: 2.149 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 76 Resp: 60659
Ion Ratio Lower Upper
76 100
78 10.4 7.3 10.9

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

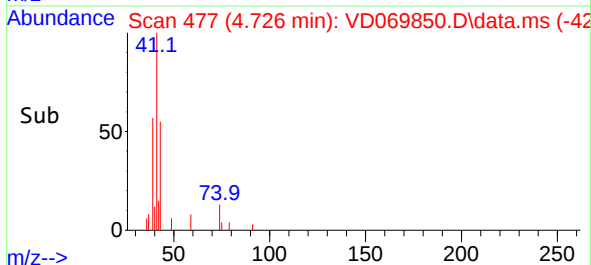
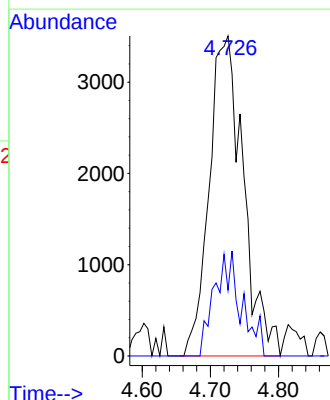
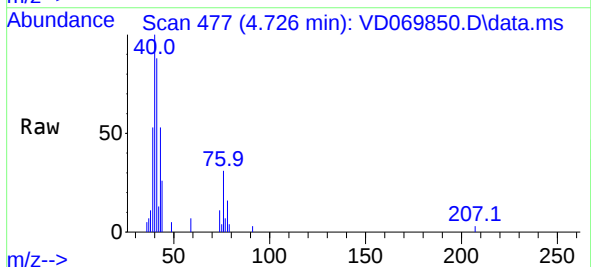
Manual Integrations
APPROVED

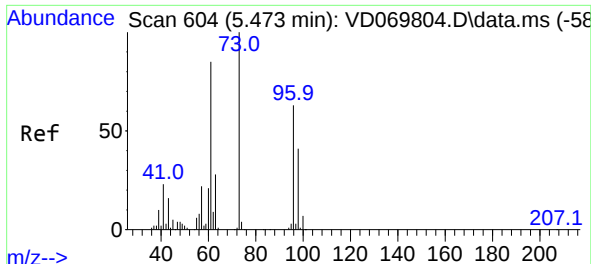
MMDadoda
7/27/2021 12:14:25 PM



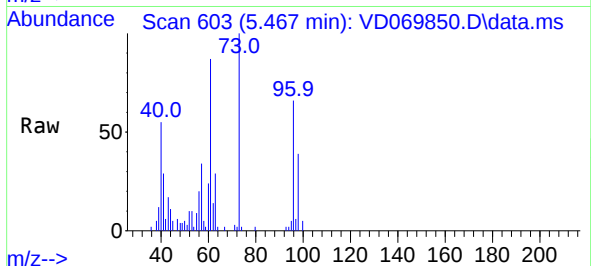
#18
Methyl Acetate
Concen: 2.935 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 43 Resp: 12205
Ion Ratio Lower Upper
43 100
74 25.5 21.4 32.2

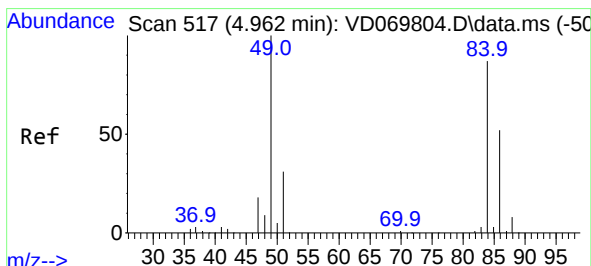
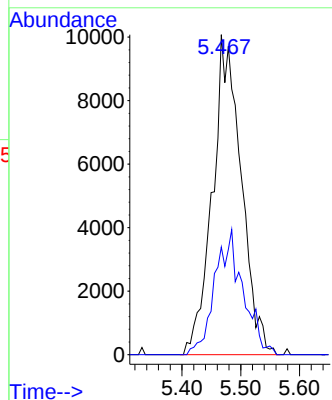
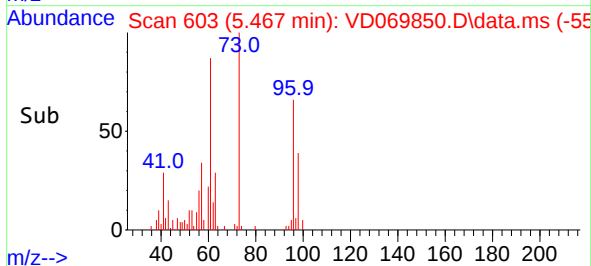




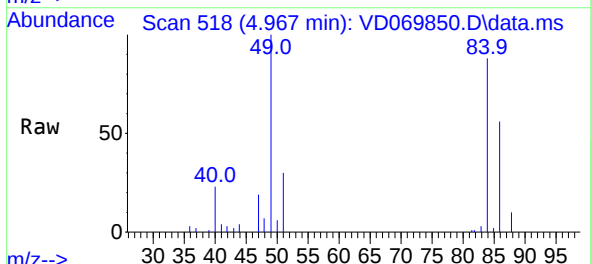
#19
Methyl tert-butyl Ether
Concen: 2.091 ug/l
RT: 5.467 min Scan# 603
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



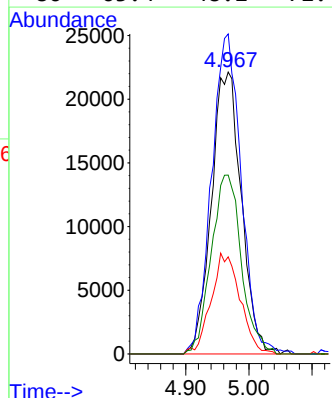
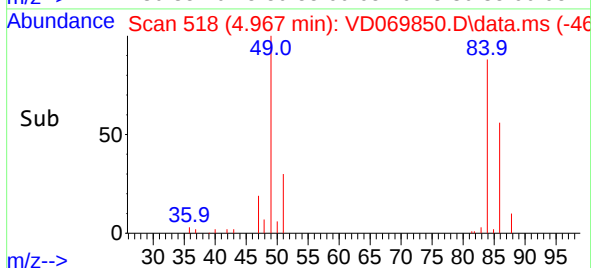
Tgt Ion: 73 Resp: 34205
Ion Ratio Lower Upper
73 100
57 33.6 17.8 26.8#



#20
Methylene Chloride
Concen: 5.577 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



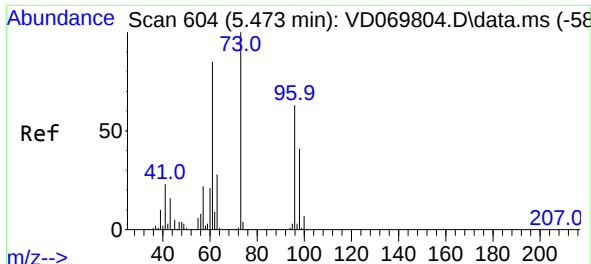
Tgt Ion: 84 Resp: 72811
Ion Ratio Lower Upper
84 100
49 113.5 92.4 138.6
51 34.5 28.5 42.7
86 63.4 48.2 72.4



Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

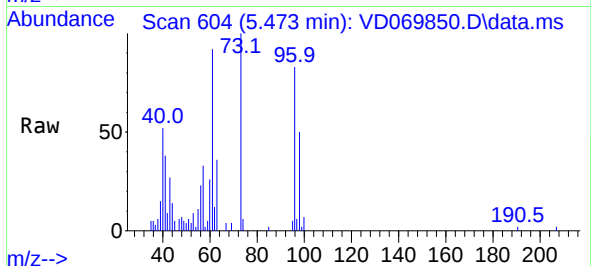
Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



#21
trans-1,2-Dichloroethene
Concen: 2.332 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

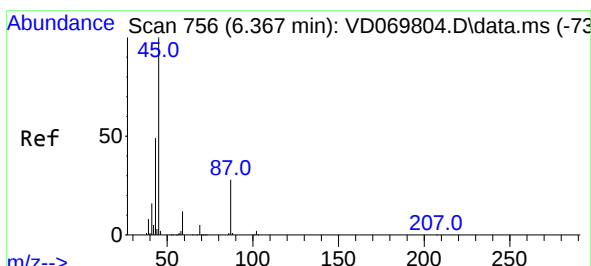
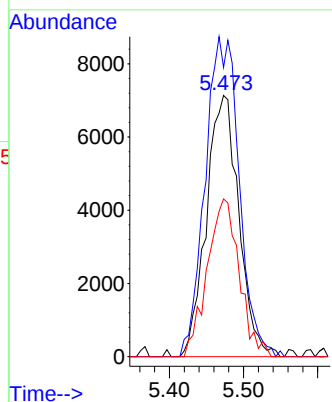
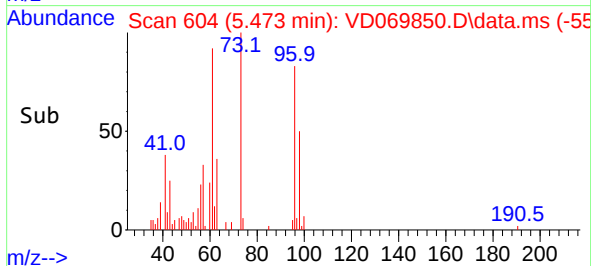
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



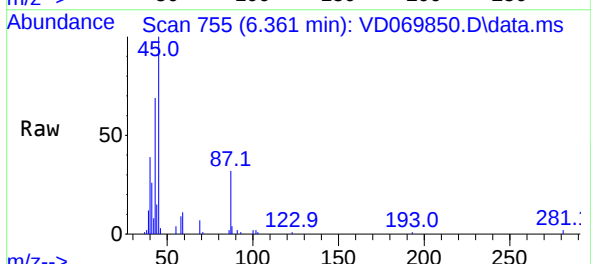
Tgt Ion: 96 Resp: 21692
Ion Ratio Lower Upper
96 100
61 110.7 107.0 160.6
98 60.4 52.3 78.5

Manual Integrations
APPROVED

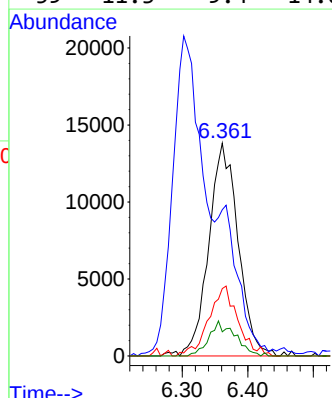
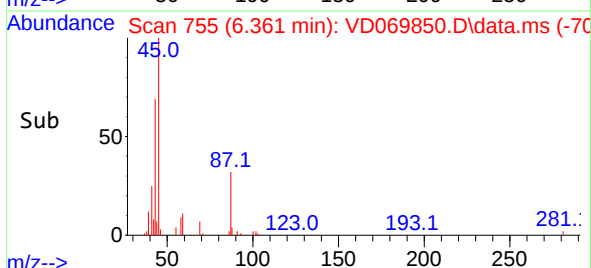
MMDadoda
7/27/2021 12:14:25 PM

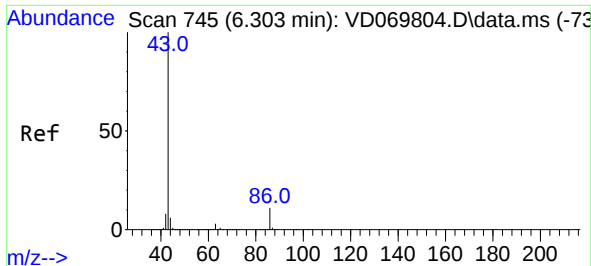


#22
Diisopropyl ether
Concen: 1.702 ug/l
RT: 6.361 min Scan# 755
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



Tgt Ion: 45 Resp: 42812
Ion Ratio Lower Upper
45 100
43 65.5 39.2 58.8#
87 31.7 22.3 33.5
59 11.3 9.4 14.0





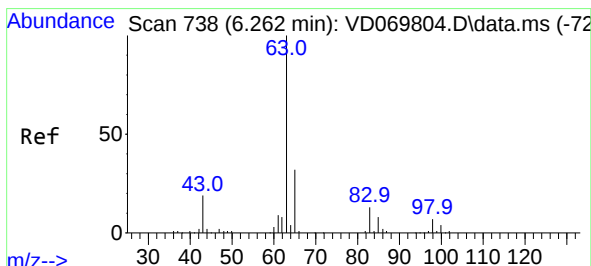
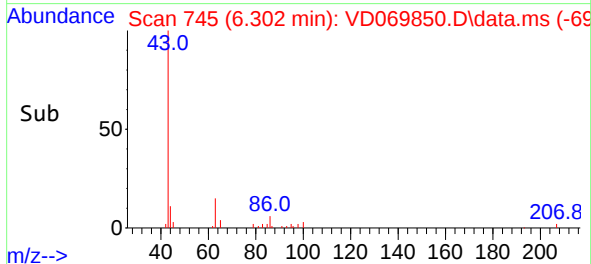
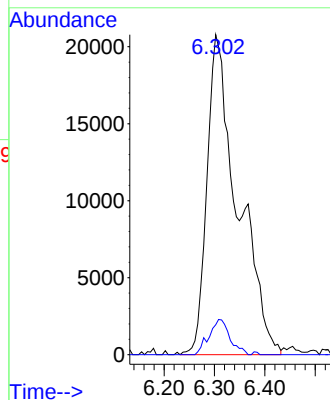
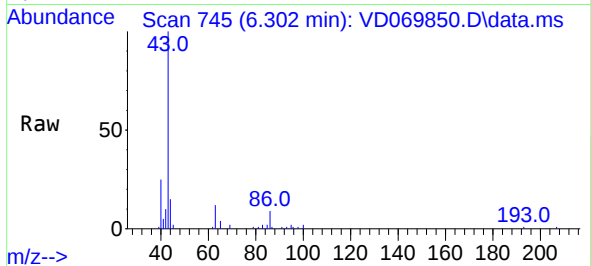
#23
 Vinyl Acetate
 Concen: 7.304 ug/l m
 RT: 6.302 min Scan# 745
 Delta R.T. -0.001 min
 Lab File: VD069850.D
 Acq: 26 Jul 2021 16:23

Tgt Ion: 43 Resp: 87993
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.6 13.0

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

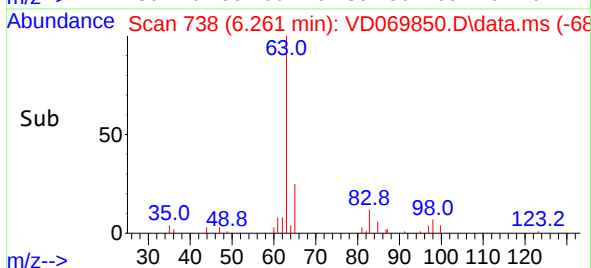
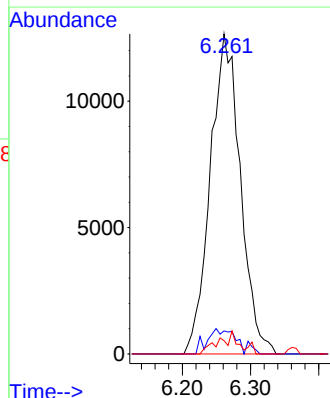
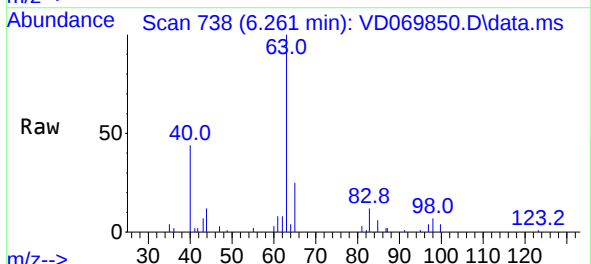
Manual Integrations
 APPROVED

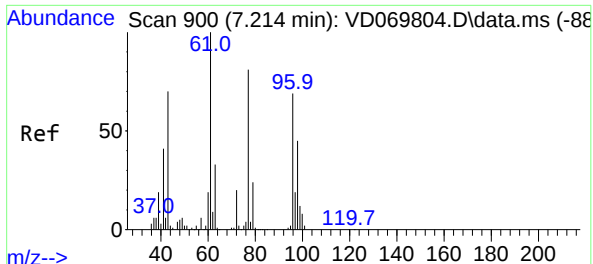
MMDadoda
 7/27/2021 12:14:25 PM



#24
 1,1-Dichloroethane
 Concen: 2.238 ug/l
 RT: 6.261 min Scan# 738
 Delta R.T. -0.000 min
 Lab File: VD069850.D
 Acq: 26 Jul 2021 16:23

Tgt Ion: 63 Resp: 38865
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.8
 100 4.2 2.2 6.6





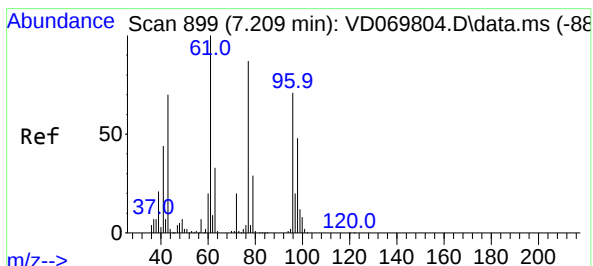
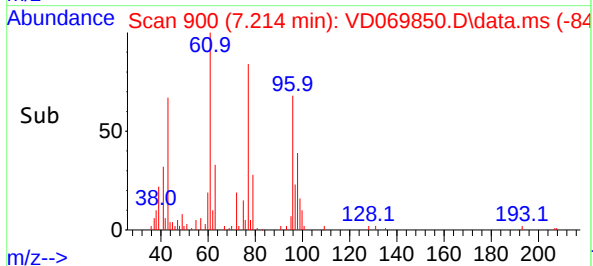
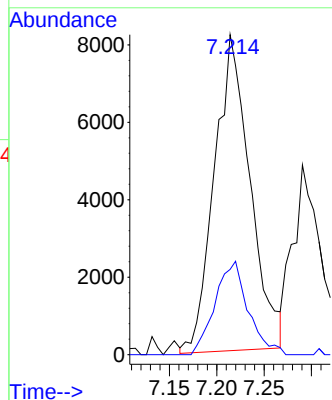
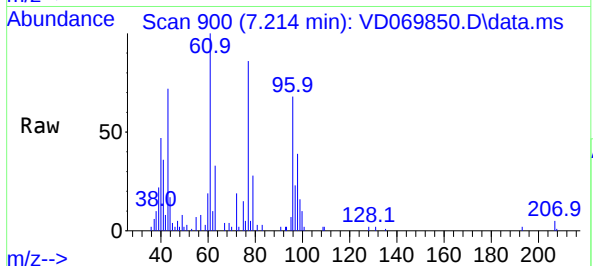
#25
2-Butanone
Concen: 11.006 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 43 Resp: 21393
Ion Ratio Lower Upper
43 100
72 27.2 22.8 34.2

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

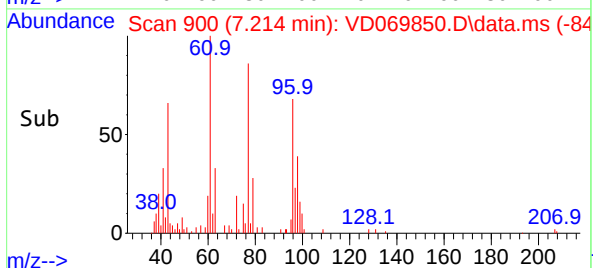
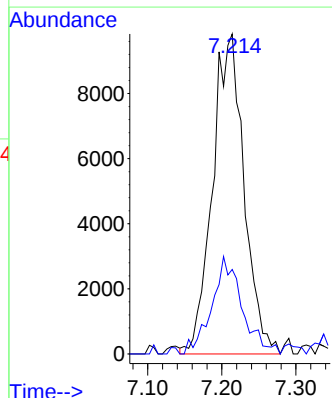
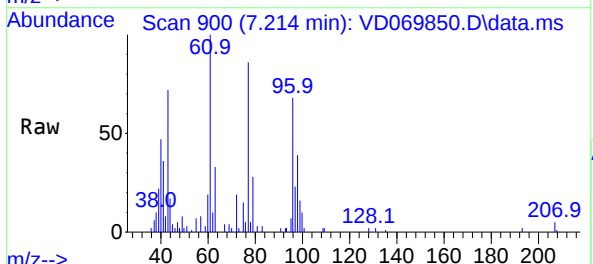
Manual Integrations
APPROVED

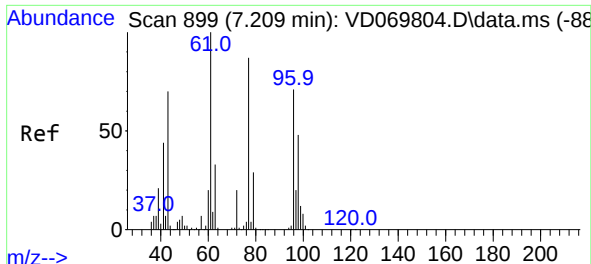
MMDadoda
7/27/2021 12:14:25 PM



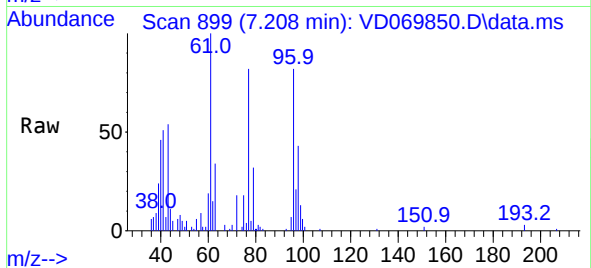
#26
2,2-Dichloropropane
Concen: 2.196 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 77 Resp: 29008
Ion Ratio Lower Upper
77 100
97 29.2 11.9 35.7

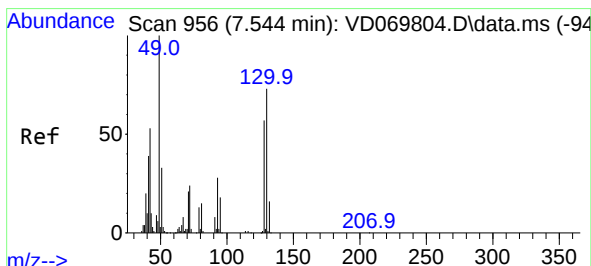
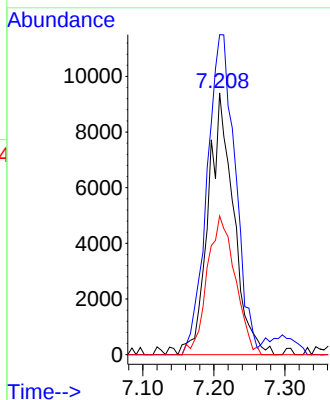
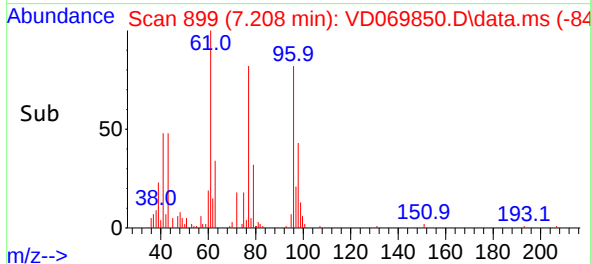




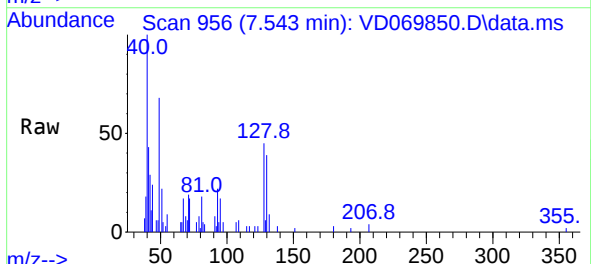
#27
cis-1,2-Dichloroethene
Concen: 2.353 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



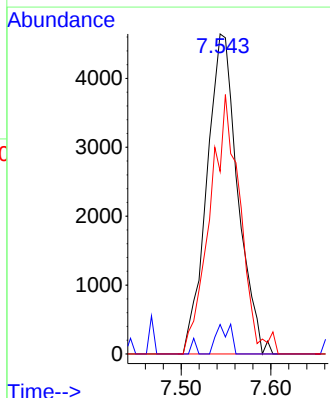
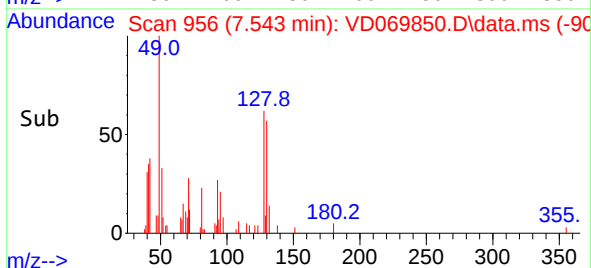
Tgt Ion: 96 Resp: 23354
Ion Ratio Lower Upper
96 100
61 135.8 0.0 291.6
98 58.4 0.0 132.0



#28
Bromochloromethane
Concen: 1.683 ug/l
RT: 7.543 min Scan# 956
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



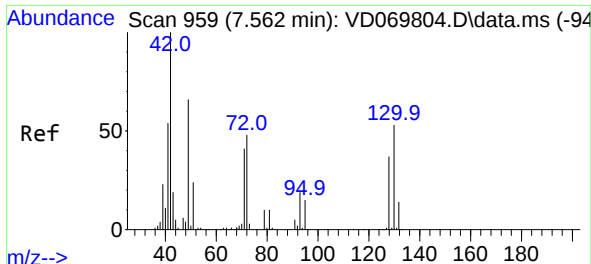
Tgt Ion: 49 Resp: 11101
Ion Ratio Lower Upper
49 100
129 4.3 0.0 4.2#
130 79.5 59.6 89.4



Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



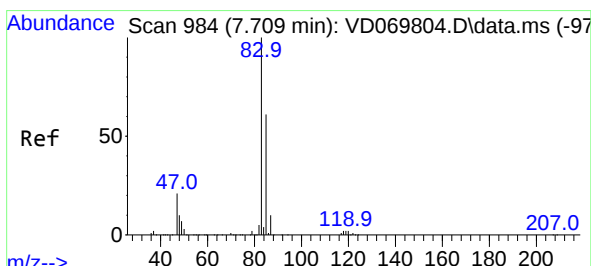
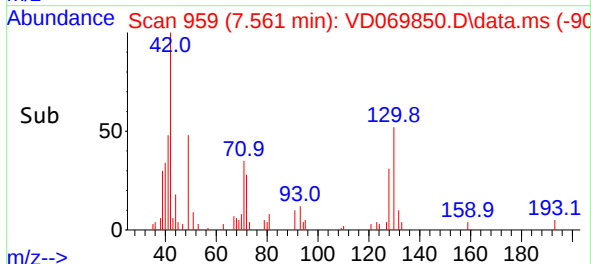
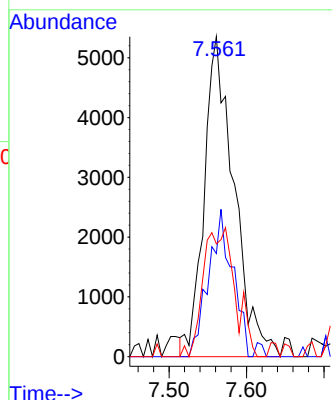
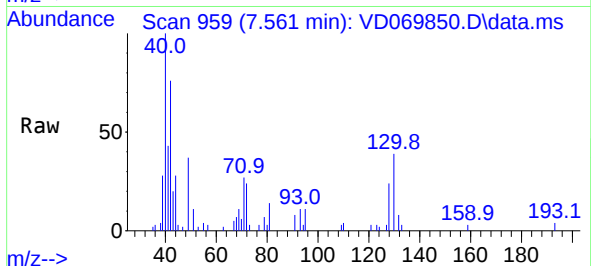
#29
Tetrahydrofuran
Concen: 11.392 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.1	36.5	54.7
71	20.4	33.5	50.3#

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

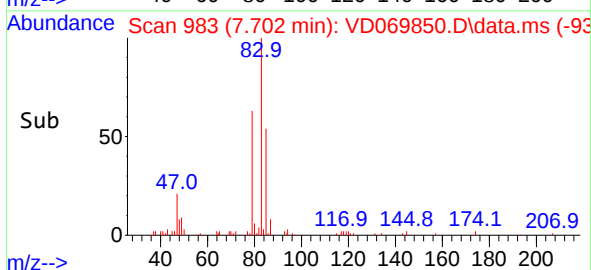
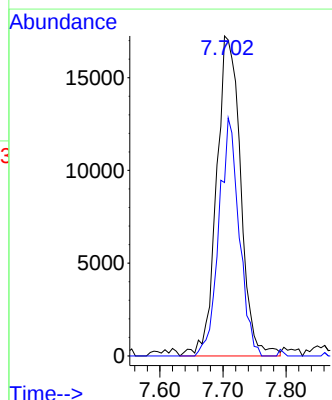
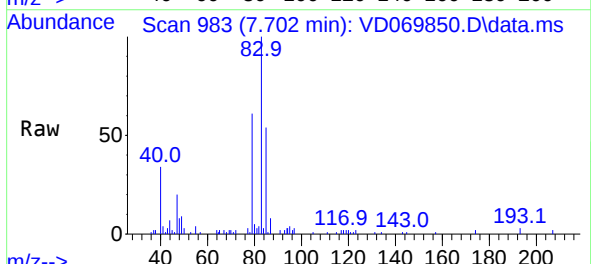
Manual Integrations
APPROVED

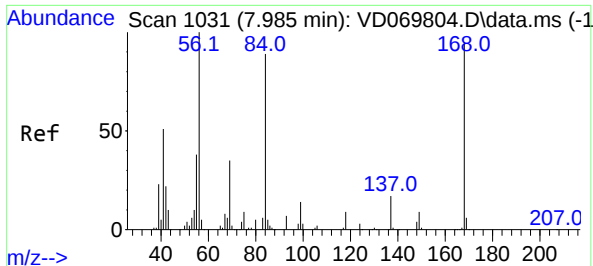
MMDadoda
7/27/2021 12:14:25 PM



#30
Chloroform
Concen: 2.618 ug/l
RT: 7.702 min Scan# 983
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

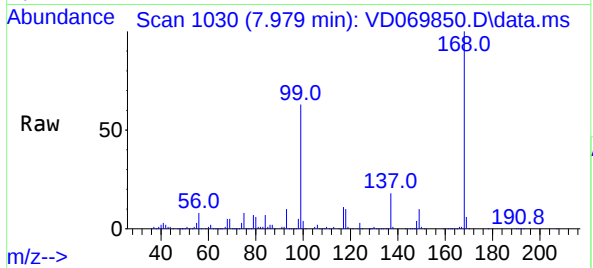
Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.2	49.1	73.7





#31
Cyclohexane
Concen: 4.102 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

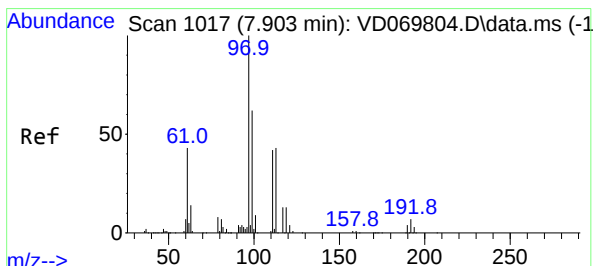
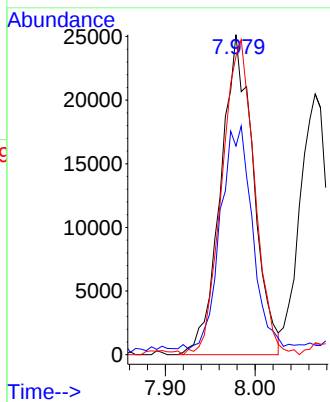
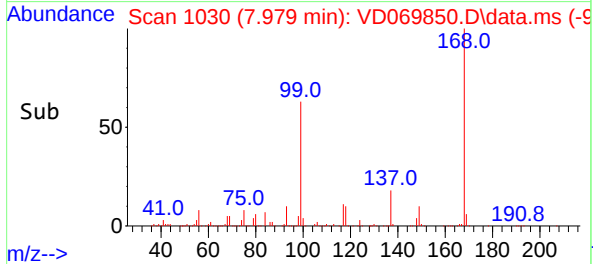
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



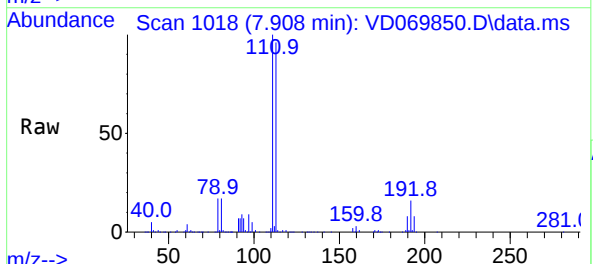
Tgt Ion: 56 Resp: 63596
Ion Ratio Lower Upper
56 100
69 63.3 27.9 41.9#
84 92.1 71.4 107.2

Manual Integrations
APPROVED

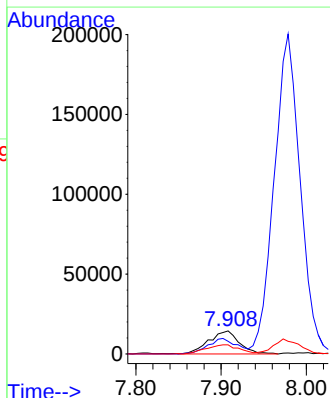
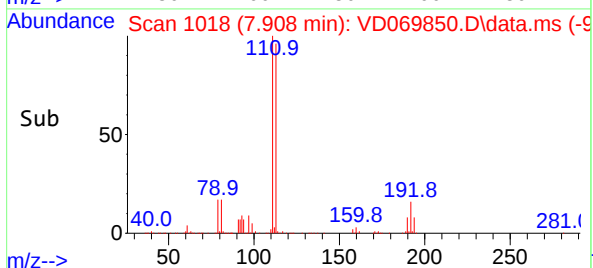
MMDadoda
7/27/2021 12:14:25 PM

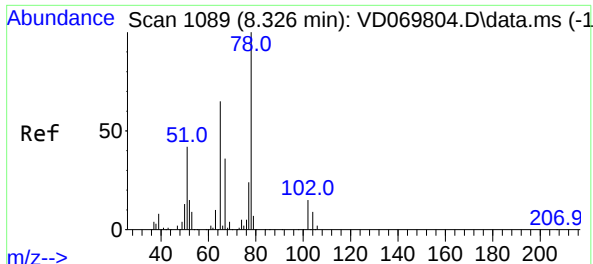


#32
1,1,1-Trichloroethane
Concen: 2.481 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



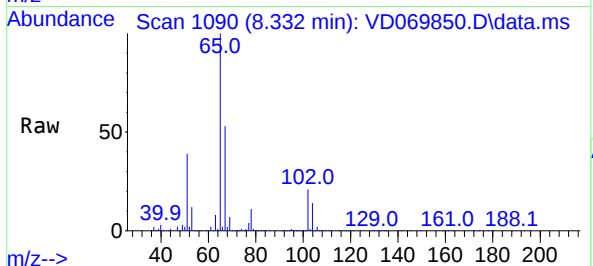
Tgt Ion: 97 Resp: 35868
Ion Ratio Lower Upper
97 100
99 64.0 50.8 76.2
61 42.8 34.5 51.7





#33
1,2-Dichloroethane-d4
Concen: 51.284 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

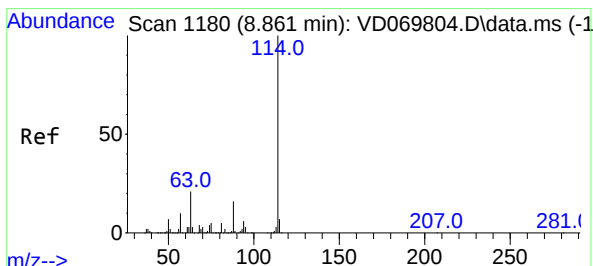
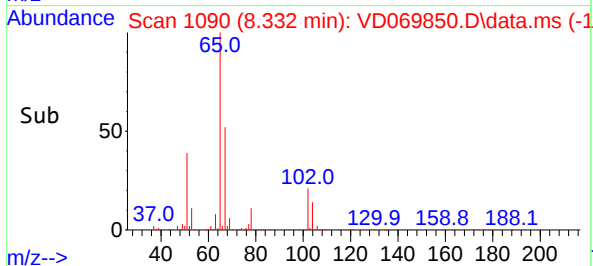
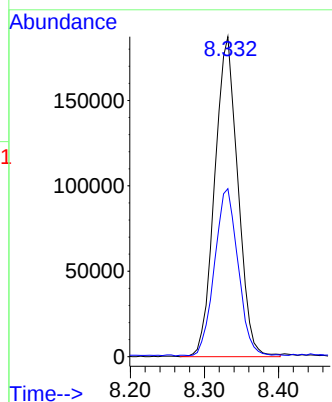
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion: 65 Resp: 406909
Ion Ratio Lower Upper
65 100
67 53.3 0.0 111.2

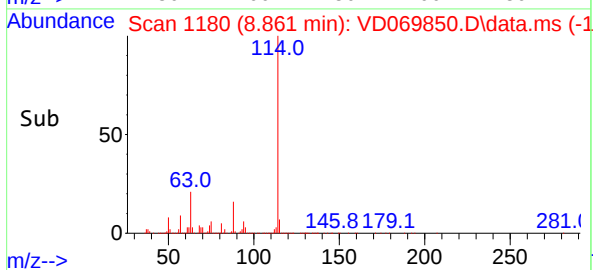
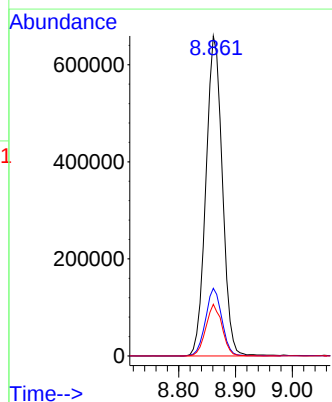
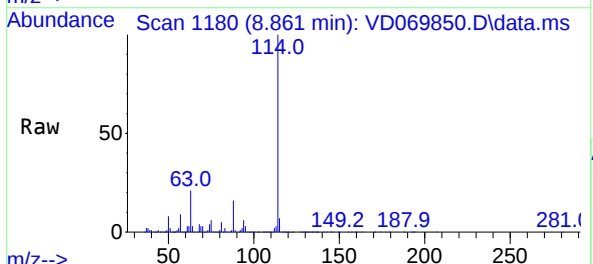
Manual Integrations
APPROVED

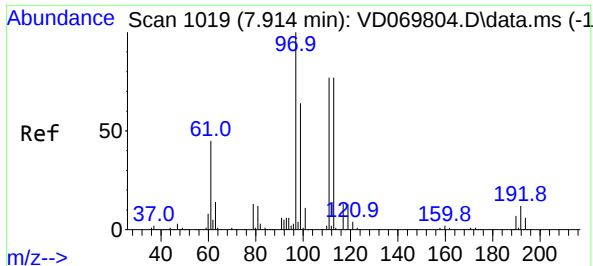
MMDadoda
7/27/2021 12:14:25 PM



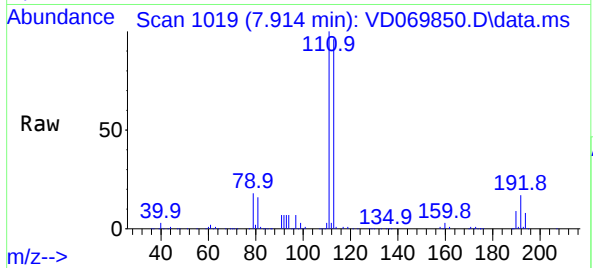
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 114 Resp: 1321759
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.6
88 16.1 0.0 31.4

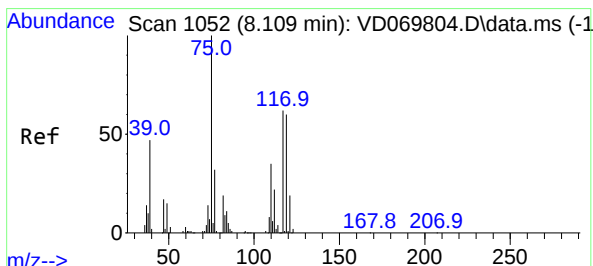
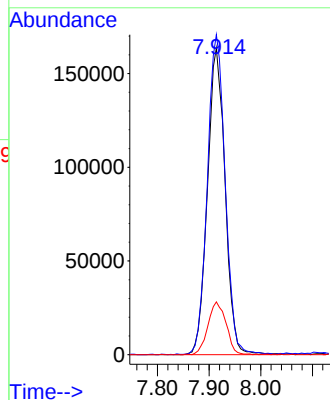
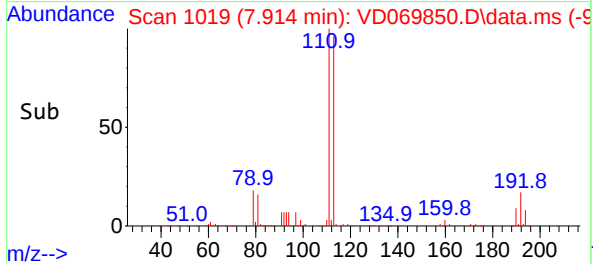




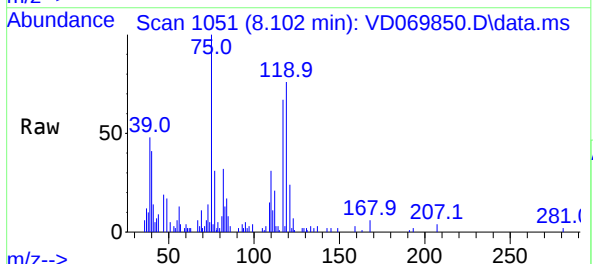
#35
Dibromofluoromethane
Concen: 46.626 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



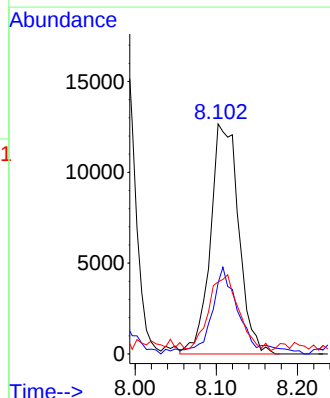
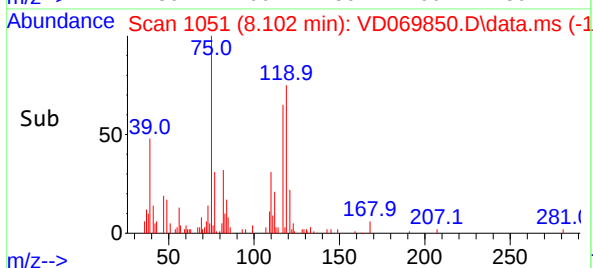
Tgt Ion:113 Resp: 388502
Ion Ratio Lower Upper
113 100
111 105.0 80.5 120.7
192 17.7 12.6 19.0



#36
1,1-Dichloropropene
Concen: 2.149 ug/l
RT: 8.102 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



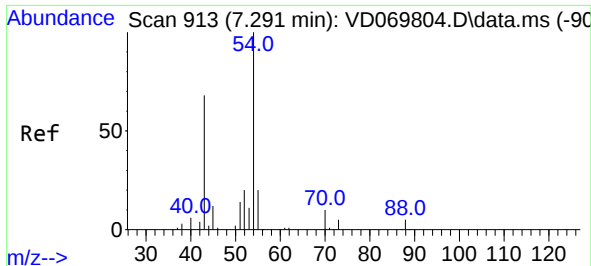
Tgt Ion: 75 Resp: 30649
Ion Ratio Lower Upper
75 100
110 34.9 16.9 50.7
77 34.9 24.9 37.3



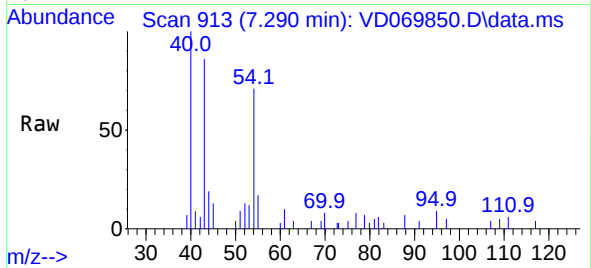
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

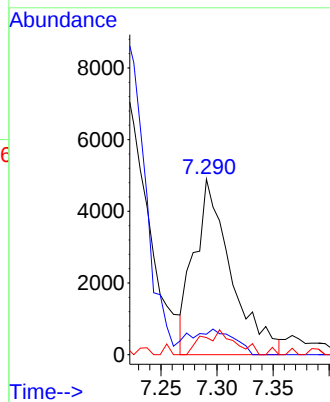
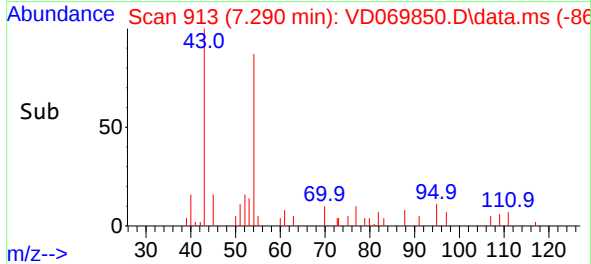
MMDadoda
7/27/2021 12:14:25 PM



#37
Ethyl Acetate
Concen: 2.145 ug/l m
RT: 7.290 min Scan# 913
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



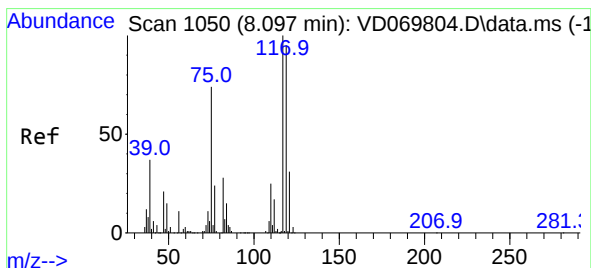
Tgt Ion: 43 Resp: 11137
Ion Ratio Lower Upper
43 100
61 16.4 11.8 17.8
70 12.3 8.9 13.3



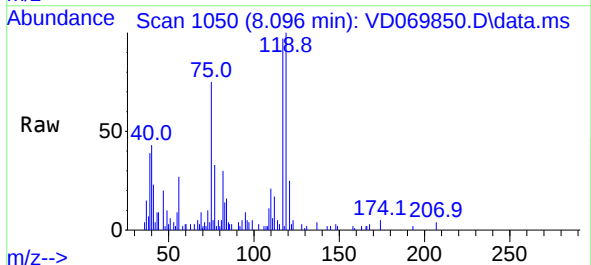
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

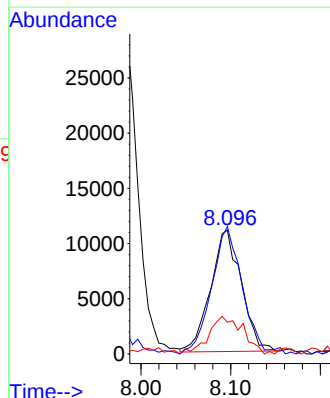
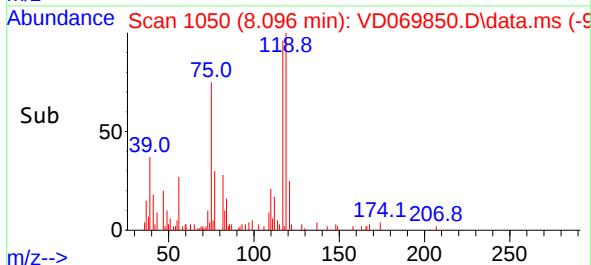
MMDadoda
7/27/2021 12:14:25 PM

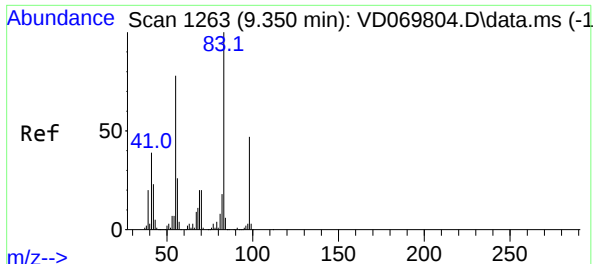


#38
Carbon Tetrachloride
Concen: 2.006 ug/l
RT: 8.096 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



Tgt Ion: 117 Resp: 26137
Ion Ratio Lower Upper
117 100
119 105.5 76.2 114.2
121 26.3 24.5 36.7





#39

Methylcyclohexane

Concen: 5.566 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VD069850.D

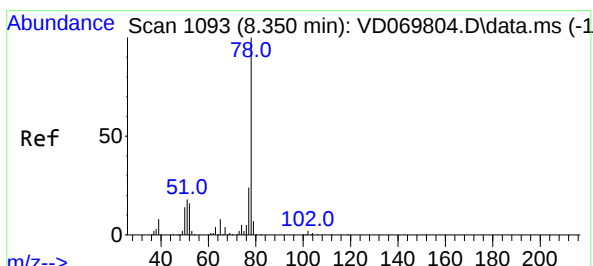
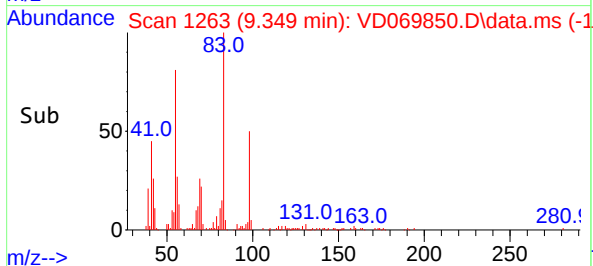
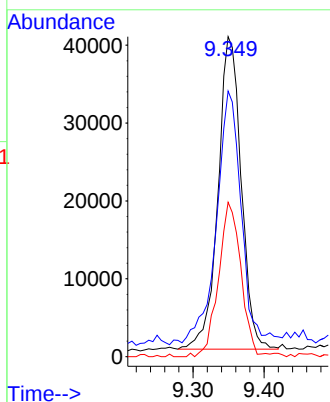
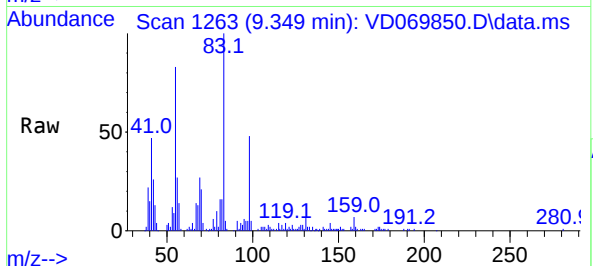
Acq: 26 Jul 2021 16:23

Tgt Ion:	83	Resp:	90920
Ion	Ratio	Lower	Upper
83	100		
55	79.7	62.2	93.2
98	49.4	37.8	56.8

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



#40

Benzene

Concen: 2.217 ug/l

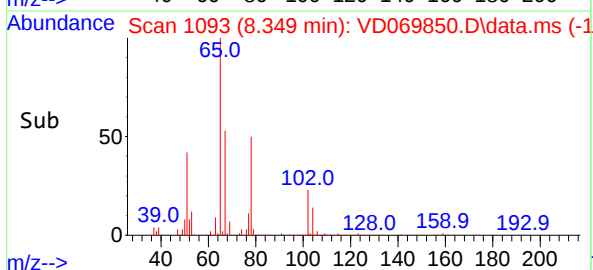
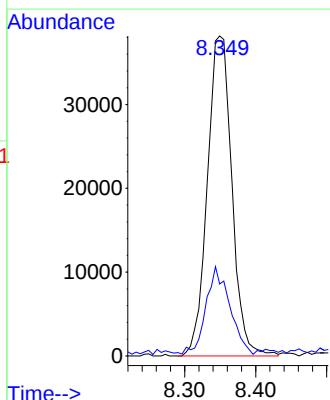
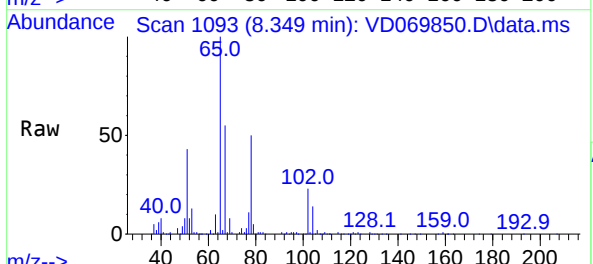
RT: 8.349 min Scan# 1093

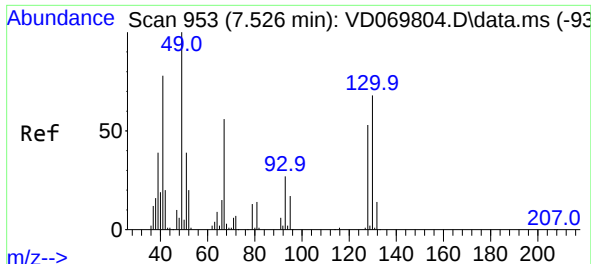
Delta R.T. -0.000 min

Lab File: VD069850.D

Acq: 26 Jul 2021 16:23

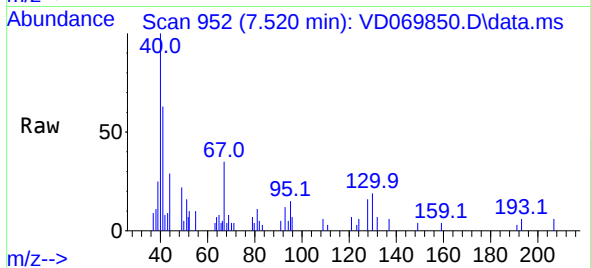
Tgt Ion:	78	Resp:	91621
Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.4	29.0





#41
Methacrylonitrile
Concen: 2.252 ug/l m
RT: 7.520 min Scan# 952
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

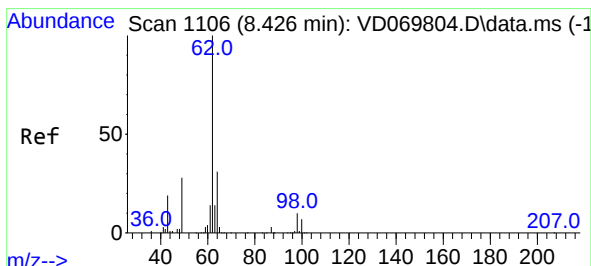
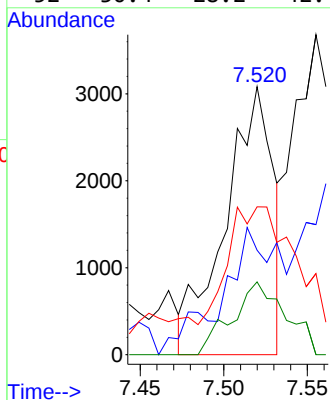
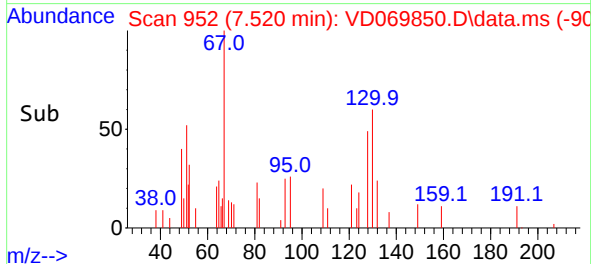
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



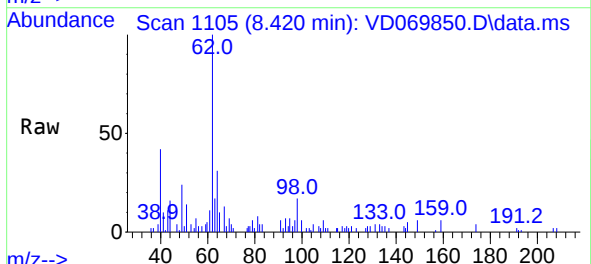
Tgt Ion: 41 Resp: 6138
Ion Ratio Lower Upper
41 100
39 43.8 46.7 70.1#
67 79.8 69.3 103.9
52 30.4 28.2 42.4

Manual Integrations
APPROVED

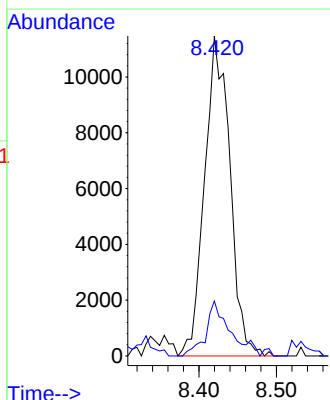
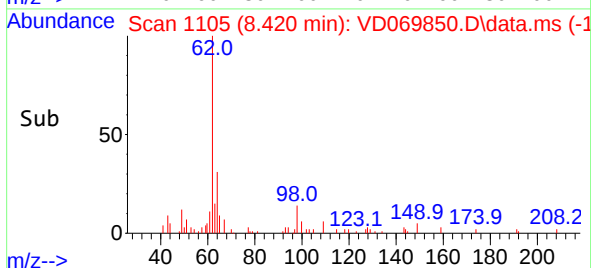
MMDadoda
7/27/2021 12:14:25 PM

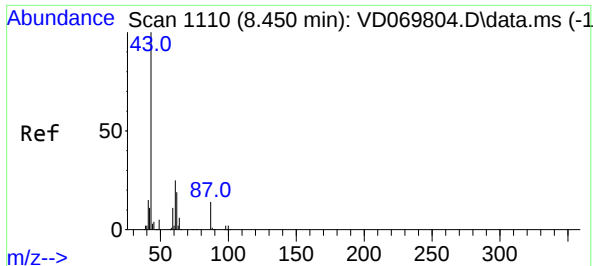


#42
1,2-Dichloroethane
Concen: 2.386 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



Tgt Ion: 62 Resp: 26074
Ion Ratio Lower Upper
62 100
98 16.2 0.0 20.4





#43

Isopropyl Acetate

Concen: 2.581 ug/l

RT: 8.449 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VD069850.D

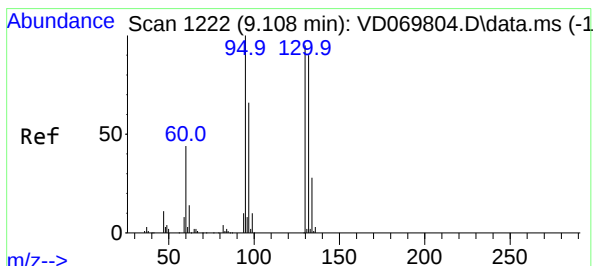
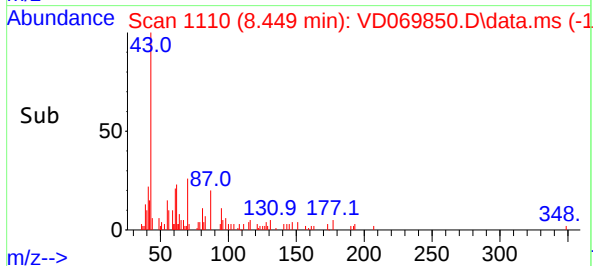
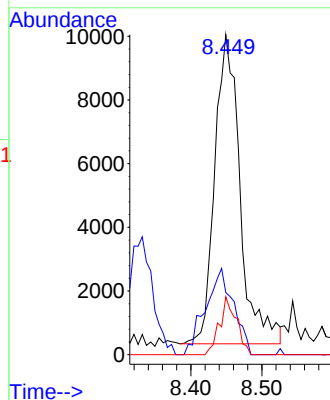
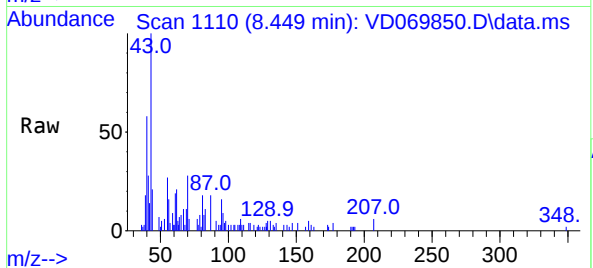
Acq: 26 Jul 2021 16:23

Tgt Ion:	43	Resp:	24034
Ion Ratio	Lower	Upper	
43	100		
61	30.9	27.8	41.6
87	12.5	11.3	16.9

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



#44

Trichloroethene

Concen: 2.403 ug/l

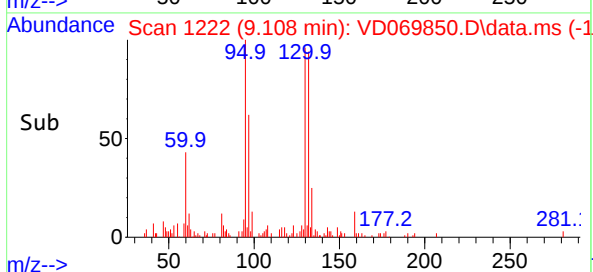
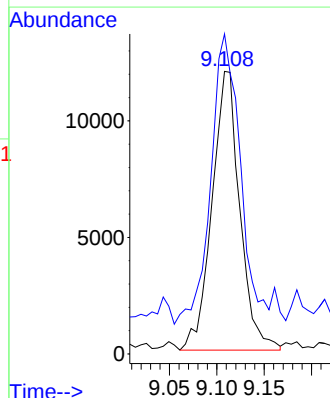
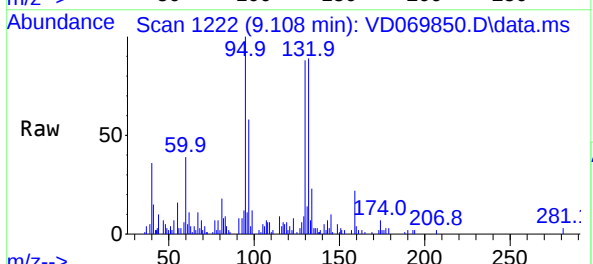
RT: 9.108 min Scan# 1222

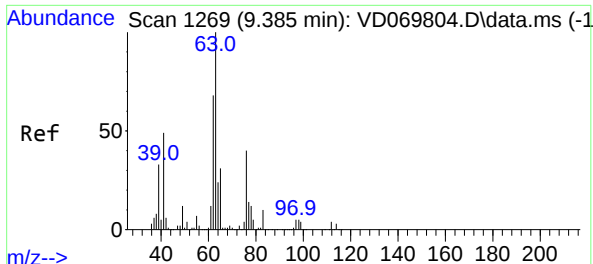
Delta R.T. -0.000 min

Lab File: VD069850.D

Acq: 26 Jul 2021 16:23

Tgt Ion:	130	Resp:	24454
Ion Ratio	Lower	Upper	
130	100		
95	100.6	0.0	210.8





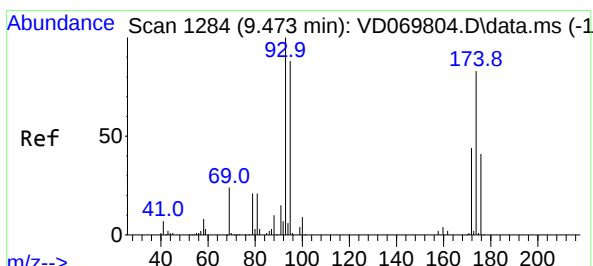
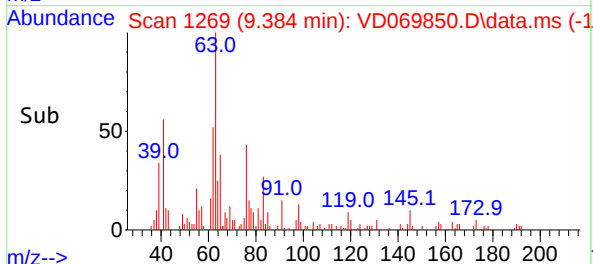
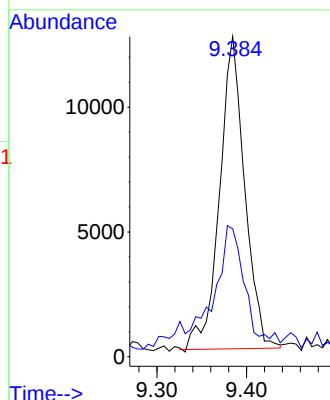
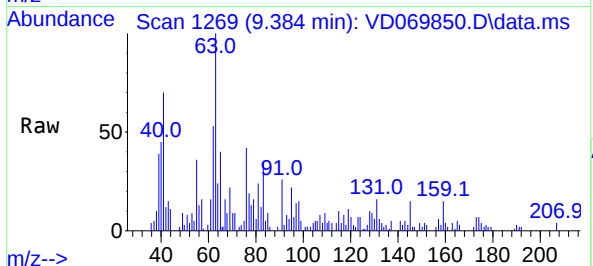
#45
1,2-Dichloropropane
Concen: 2.241 ug/l
RT: 9.384 min Scan# 1269
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 63 Resp: 24327
Ion Ratio Lower Upper
63 100
65 36.6 24.9 37.3

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

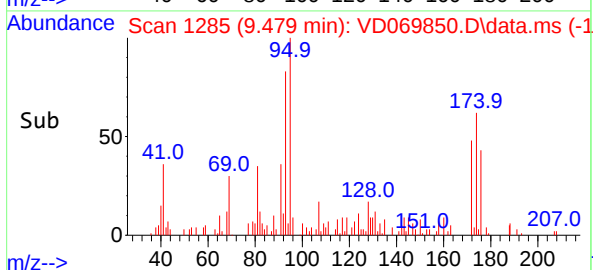
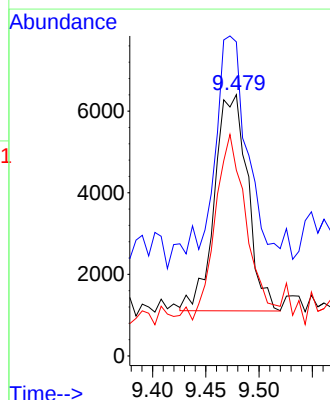
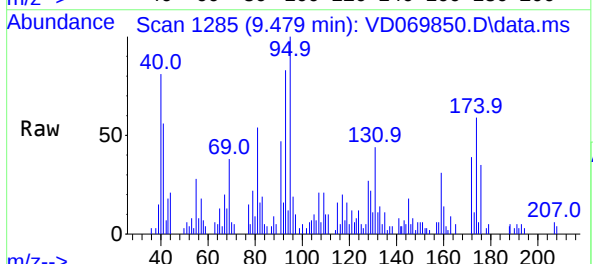
Manual Integrations
APPROVED

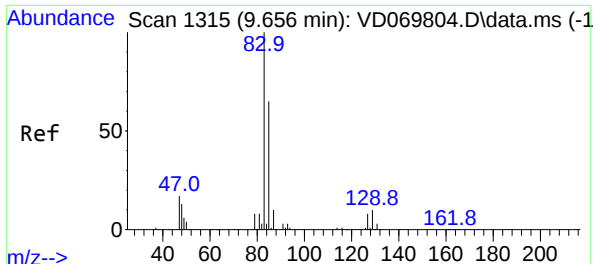
MMDadoda
7/27/2021 12:14:25 PM



#46
Dibromomethane
Concen: 2.147 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 93 Resp: 11457
Ion Ratio Lower Upper
93 100
95 108.2 67.5 101.3#
174 80.1 66.3 99.5





#47

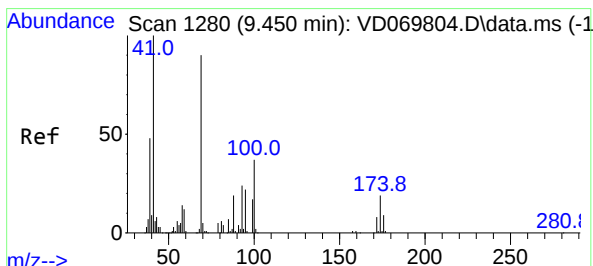
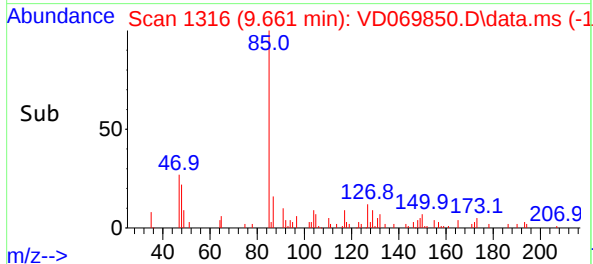
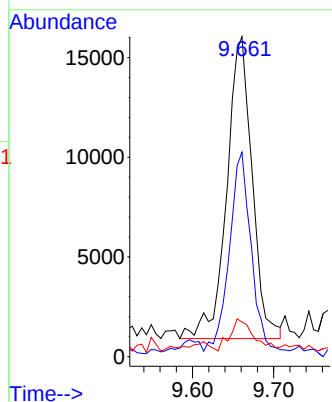
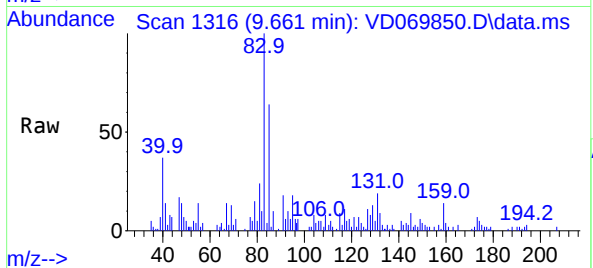
Bromodichloromethane
Concen: 2.382 ug/l
RT: 9.661 min Scan# 1316
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:	83	Resp:	33015
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.0	78.0
127	8.3	6.6	10.0

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

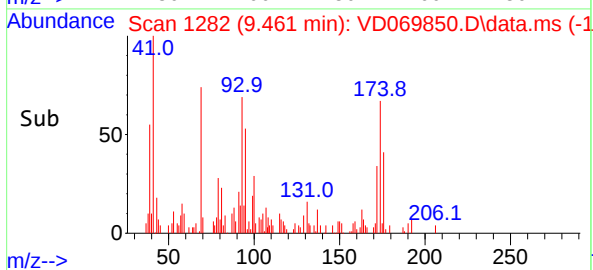
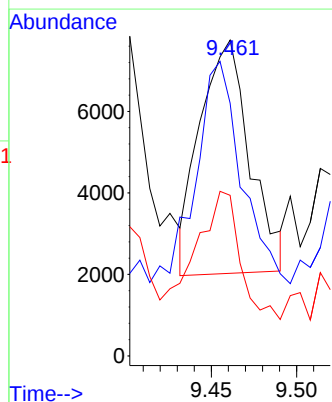
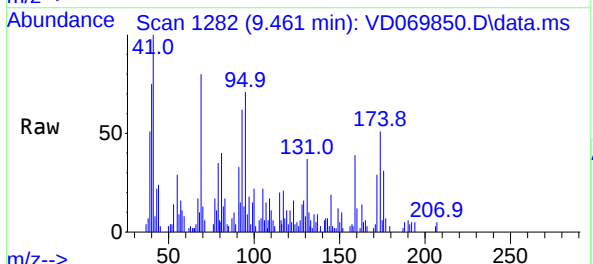
MMDadoda
7/27/2021 12:14:25 PM

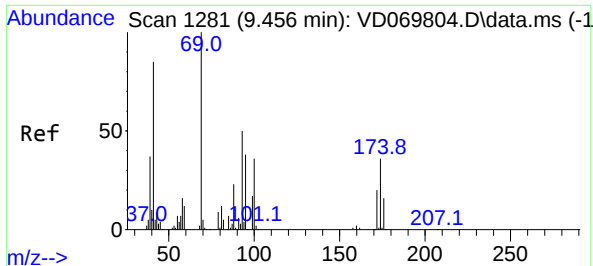


#48

Methyl methacrylate
Concen: 2.604 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:	41	Resp:	11669
Ion Ratio	Lower	Upper	
41	100		
69	91.1	73.4	110.2
39	48.5	36.6	55.0





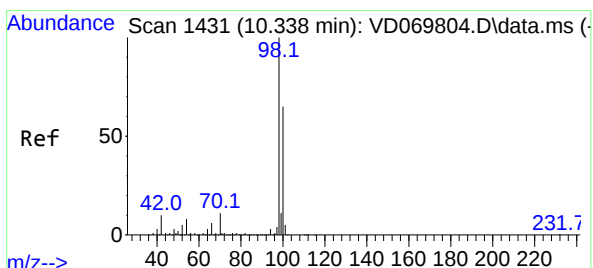
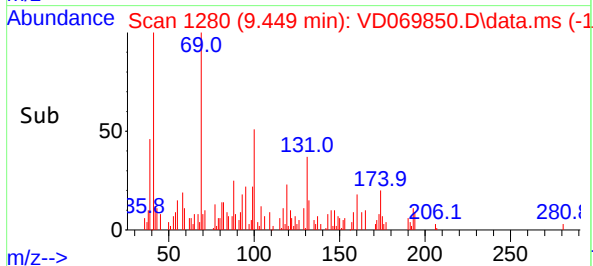
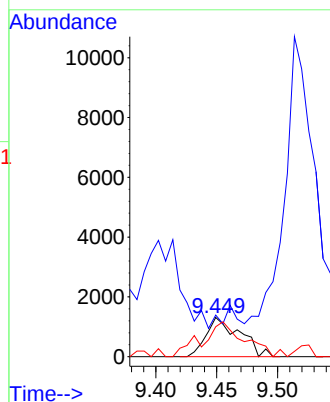
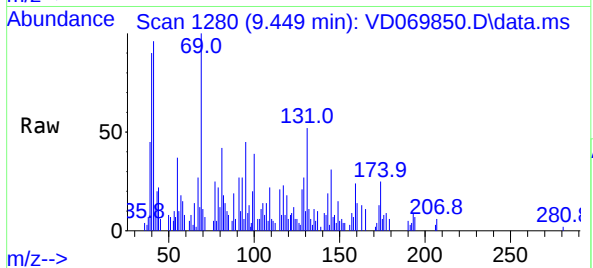
#49
1,4-Dioxane
Concen: 44.740 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 88 Resp: 2522
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 112.3 59.8 89.6#

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

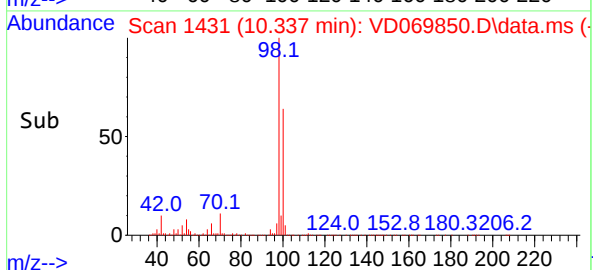
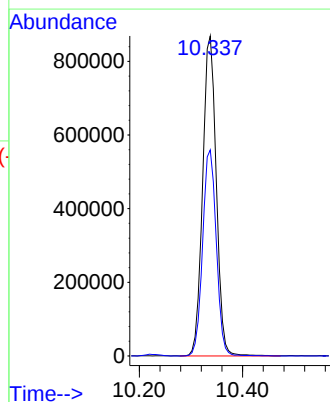
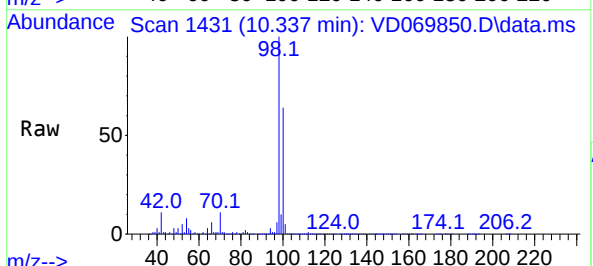
Manual Integrations
APPROVED

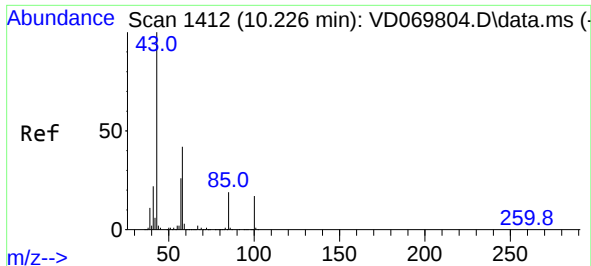
MMDadoda
7/27/2021 12:14:25 PM



#50
Toluene-d8
Concen: 49.296 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 98 Resp: 1583844
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9





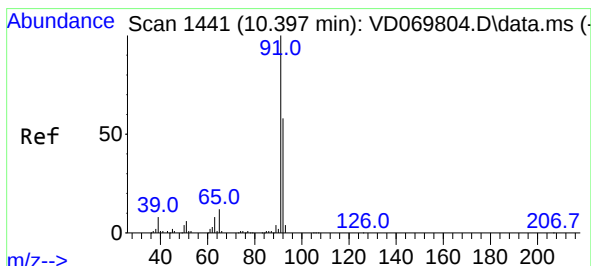
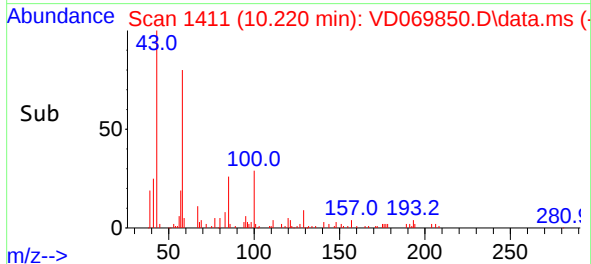
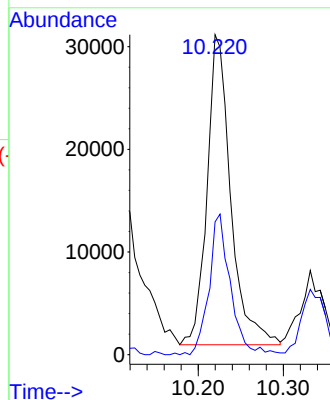
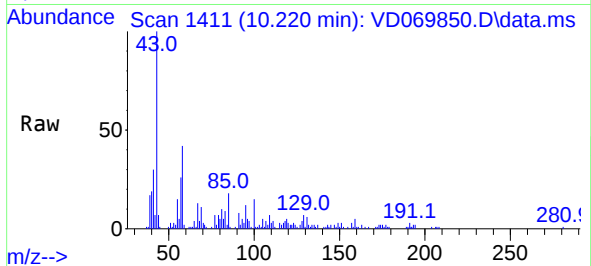
#51
4-Methyl-2-Pentanone
Concen: 12.025 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 43 Resp: 58277
Ion Ratio Lower Upper
43 100
58 41.0 33.7 50.5

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

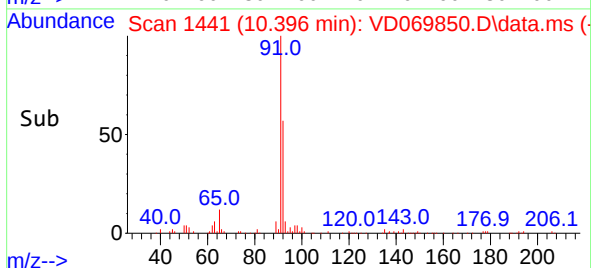
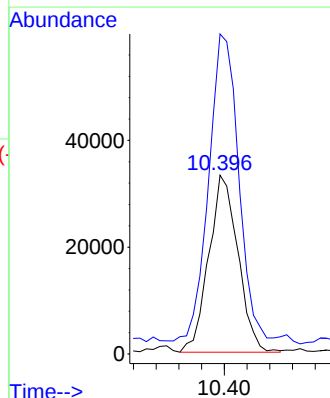
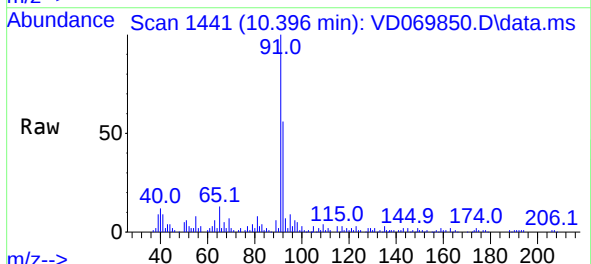
Manual Integrations
APPROVED

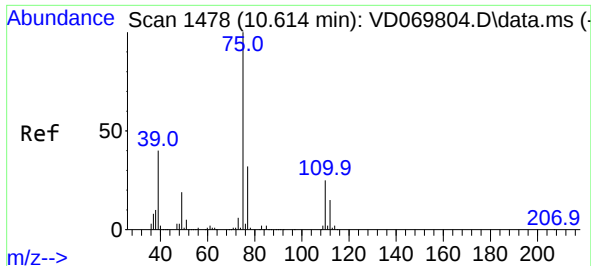
MMDadoda
7/27/2021 12:14:25 PM



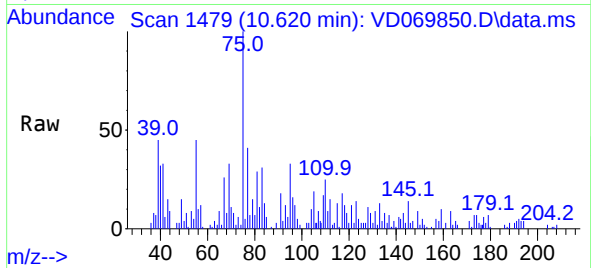
#52
Toluene
Concen: 2.360 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 92 Resp: 59165
Ion Ratio Lower Upper
92 100
91 176.5 138.7 208.1

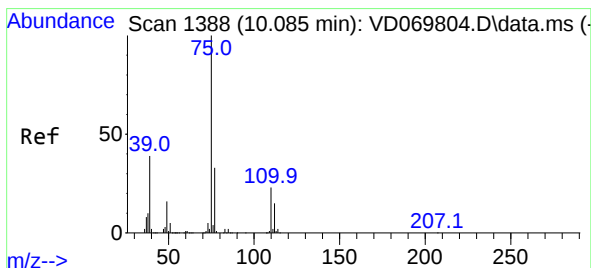
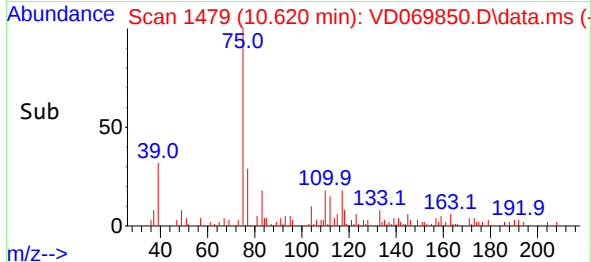
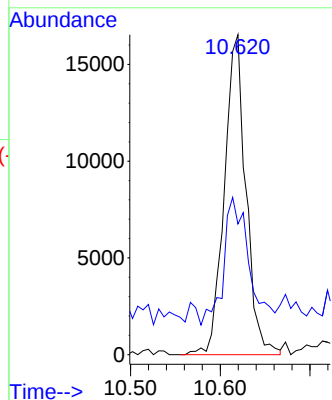




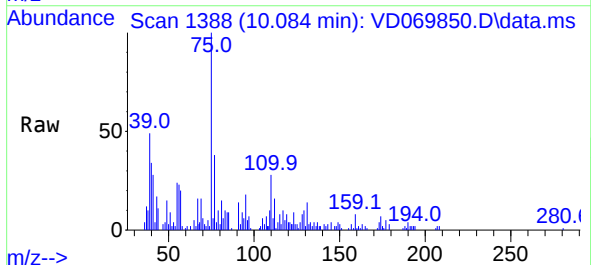
#53
t-1,3-Dichloropropene
Concen: 2.382 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



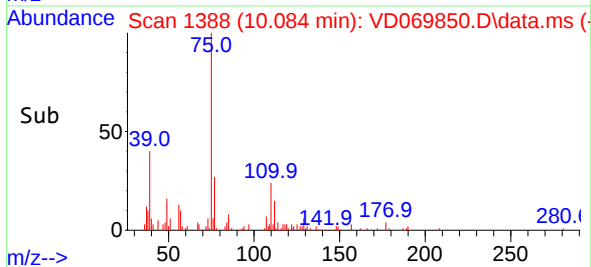
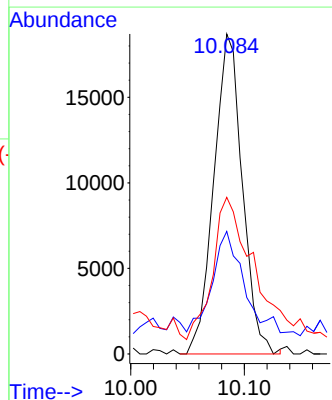
Tgt Ion: 75 Resp: 27717
Ion Ratio Lower Upper
75 100
77 29.1 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 2.316 ug/l
RT: 10.084 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



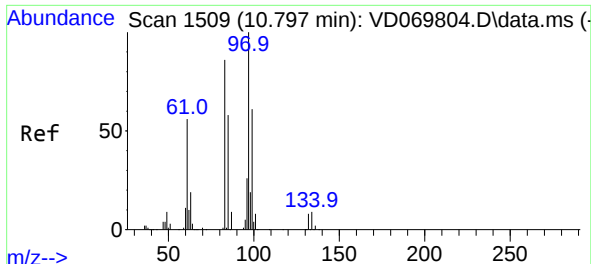
Tgt Ion: 75 Resp: 32621
Ion Ratio Lower Upper
75 100
77 31.6 26.3 39.5
39 42.8 31.0 46.6



Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

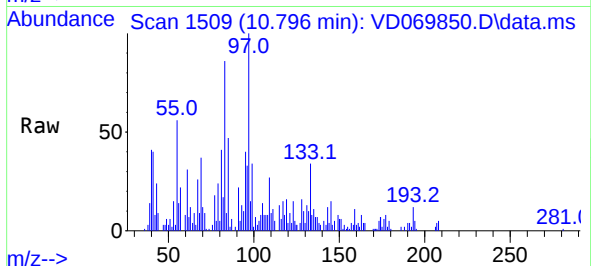
Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



#55
1,1,2-Trichloroethane
Concen: 5.426 ug/l
RT: 10.796 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

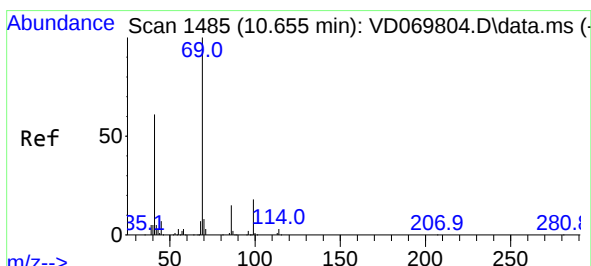
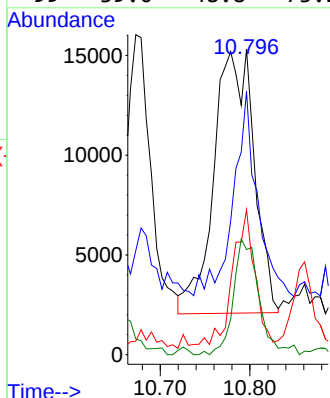
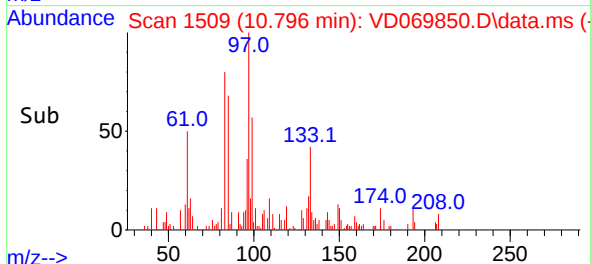
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



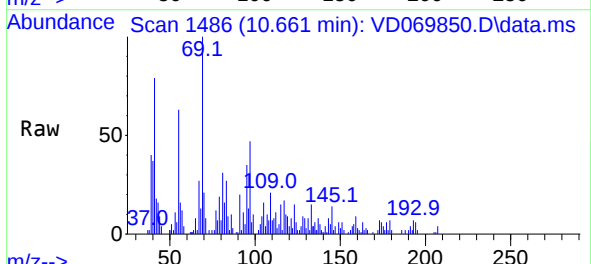
Tgt Ion: 97 Resp: 40891
Ion Ratio Lower Upper
97 100
83 73.8 69.1 103.7
85 53.4 46.2 69.2
99 39.0 48.8 73.2#

Manual Integrations
APPROVED

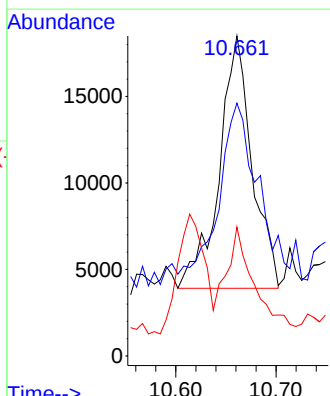
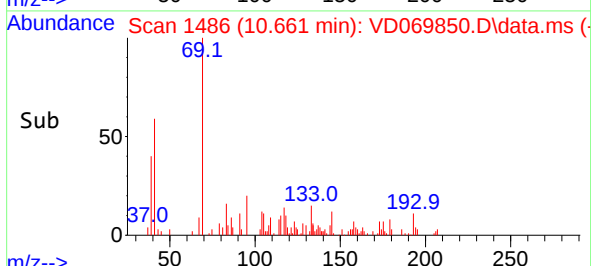
MMDadoda
7/27/2021 12:14:25 PM

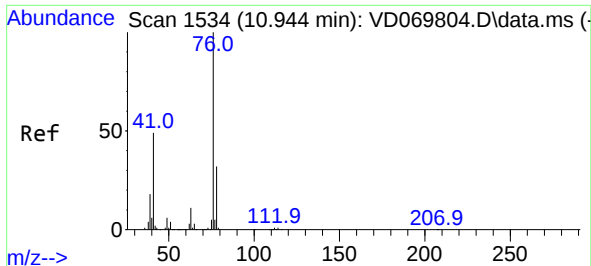


#56
Ethyl methacrylate
Concen: 4.025 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



Tgt Ion: 69 Resp: 33207
Ion Ratio Lower Upper
69 100
41 69.1 50.2 75.2
39 31.1 22.0 33.0





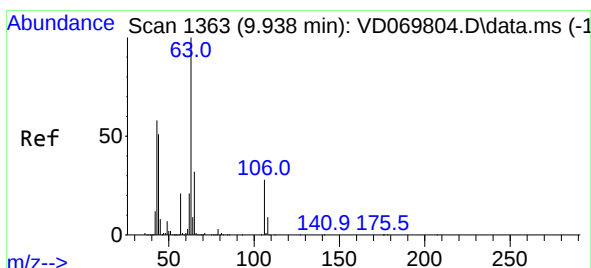
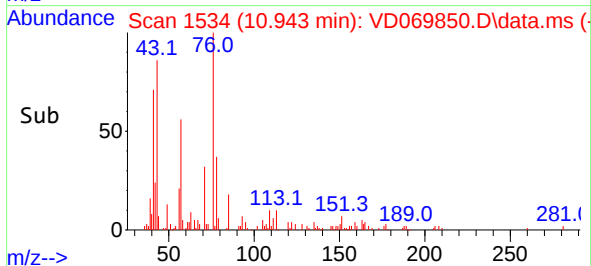
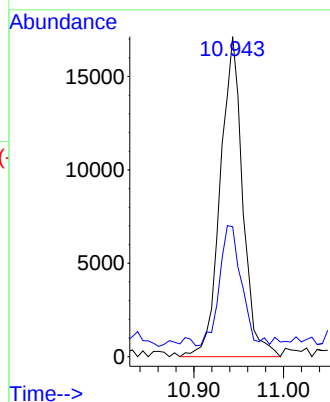
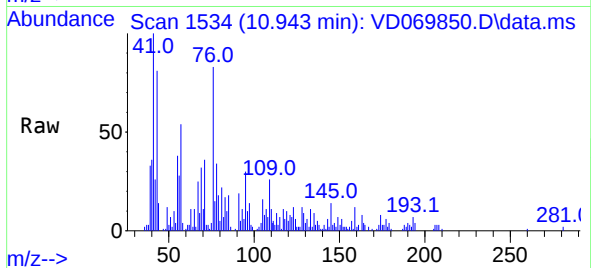
#57
1,3-Dichloropropane
Concen: 2.331 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 76 Resp: 29720
Ion Ratio Lower Upper
76 100
78 36.4 26.2 39.2

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

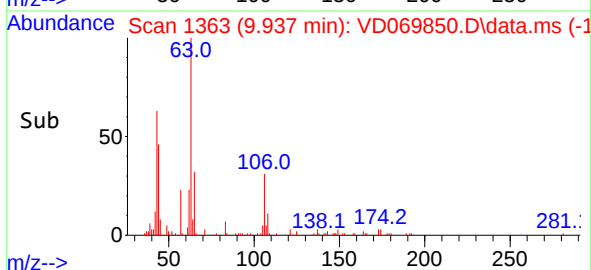
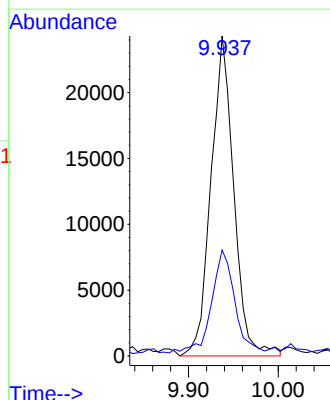
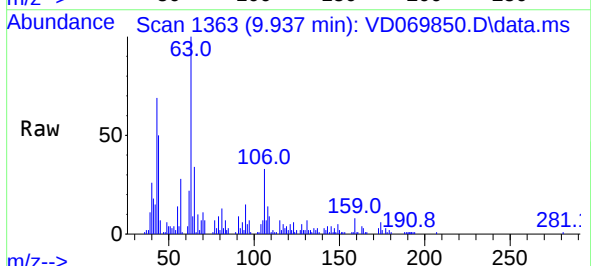
Manual Integrations
APPROVED

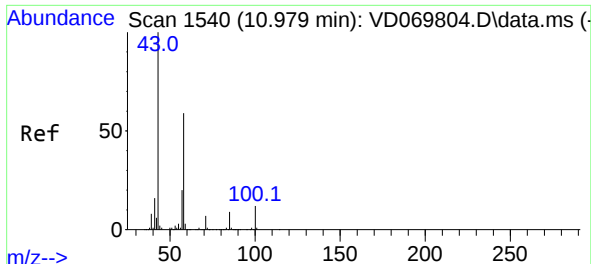
MMDadoda
7/27/2021 12:14:25 PM



#58
2-Chloroethyl Vinyl ether
Concen: 12.146 ug/l
RT: 9.937 min Scan# 1363
Delta R.T. -0.001 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 63 Resp: 42931
Ion Ratio Lower Upper
63 100
106 32.4 21.8 32.6





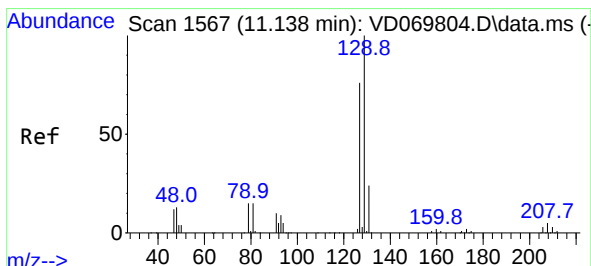
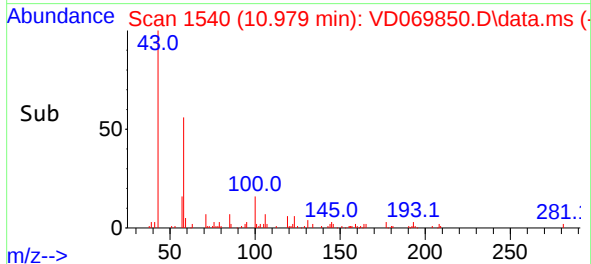
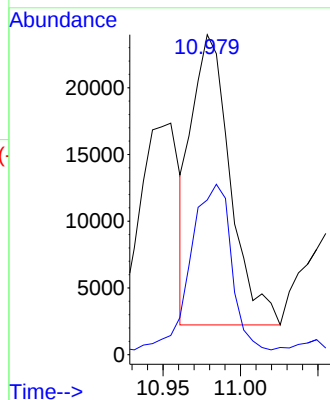
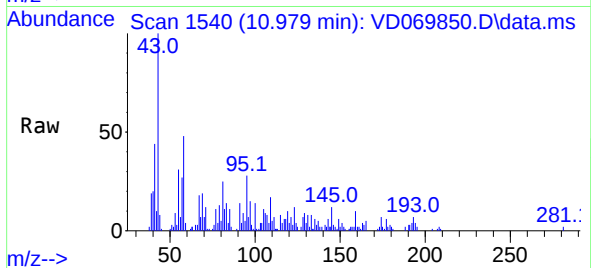
#59
2-Hexanone
Concen: 11.797 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 43 Resp: 37816
Ion Ratio Lower Upper
43 100
58 66.1 29.4 88.3

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

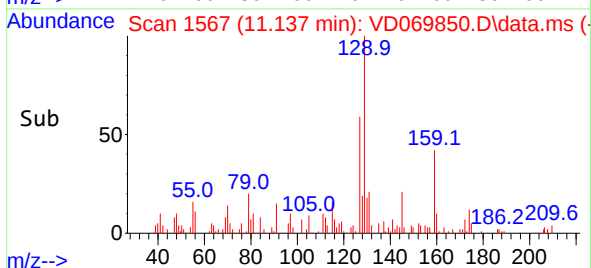
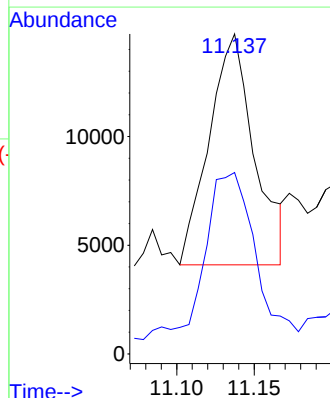
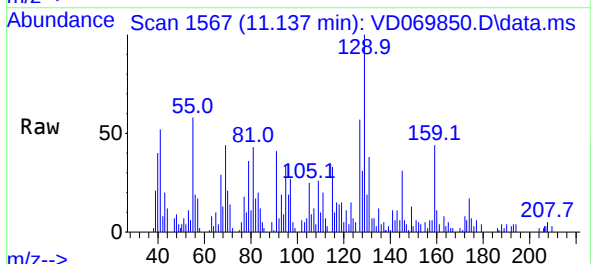
Manual Integrations
APPROVED

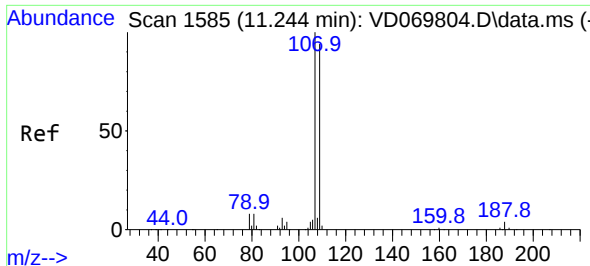
MMDadoda
7/27/2021 12:14:25 PM



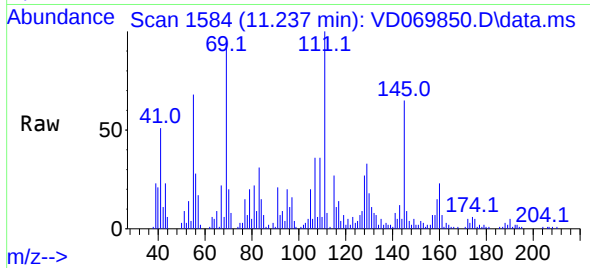
#60
Dibromochloromethane
Concen: 2.528 ug/l
RT: 11.137 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 129 Resp: 21572
Ion Ratio Lower Upper
129 100
127 79.8 38.7 116.1

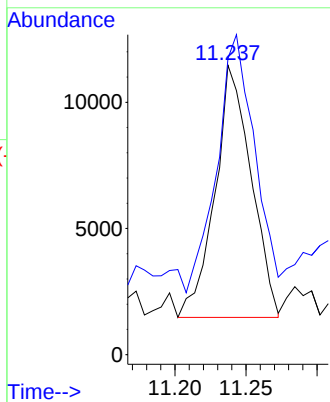
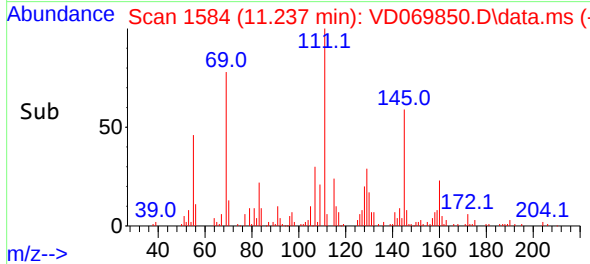




#61
1,2-Dibromoethane
Concen: 2.608 ug/l
RT: 11.237 min Scan# 1584
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



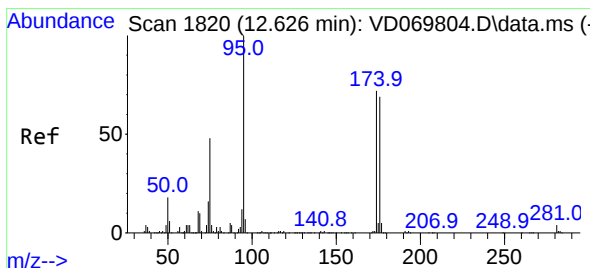
Tgt Ion:107 Resp: 17699
Ion Ratio Lower Upper
107 100
109 107.3 74.5 111.7



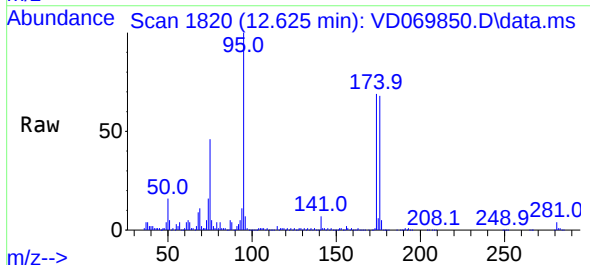
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

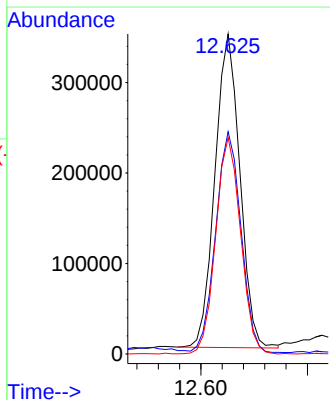
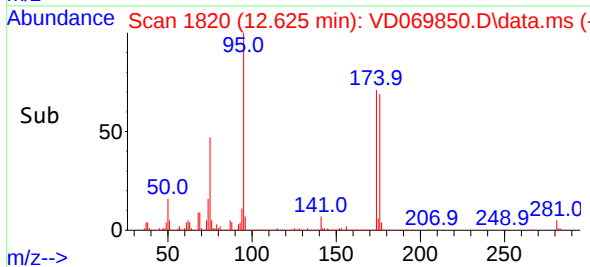
MMDadoda
7/27/2021 12:14:25 PM

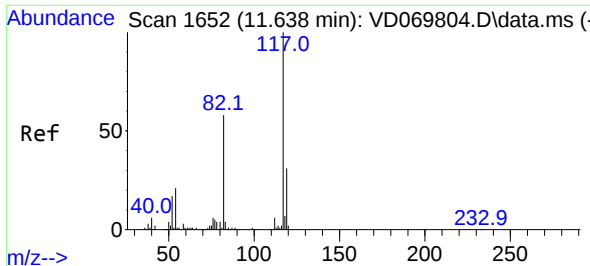


#62
4-Bromofluorobenzene
Concen: 52.331 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



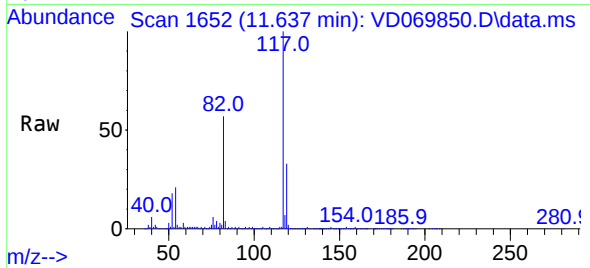
Tgt Ion: 95 Resp: 561915
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 68.9 0.0 134.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

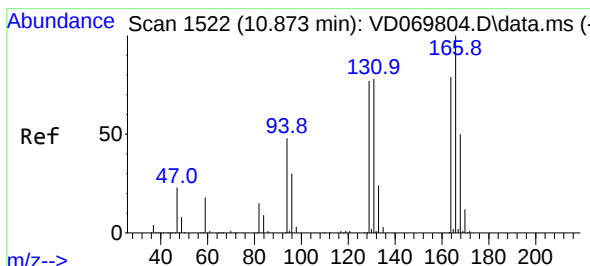
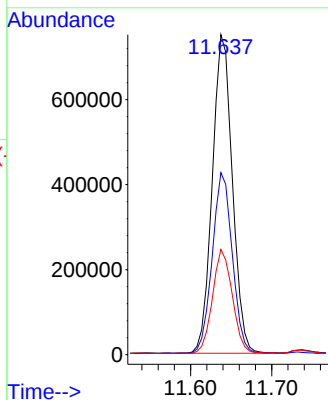
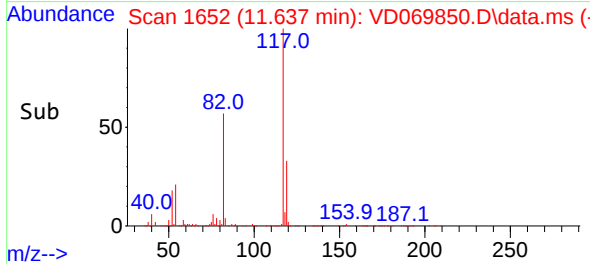


Tgt Ion:117 Resp: 1286968

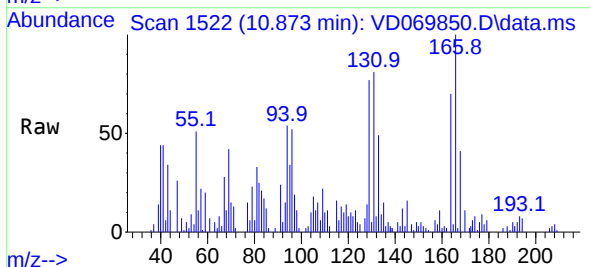
Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.3	69.5
119	32.6	24.7	37.1

Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM

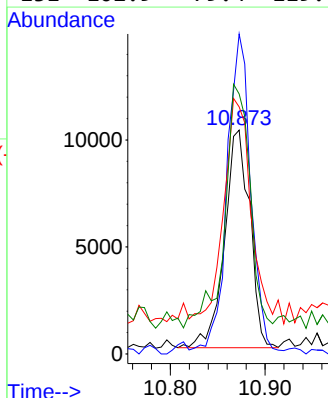
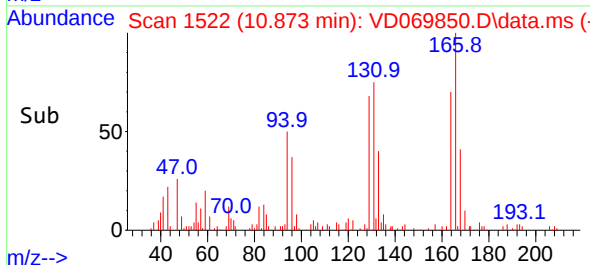


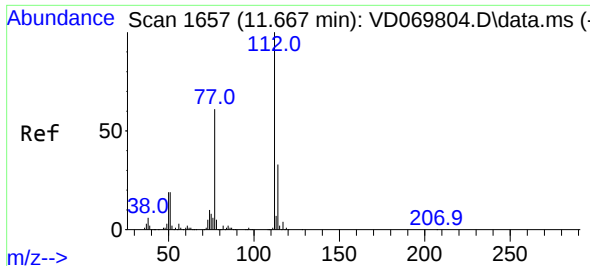
#64
Tetrachloroethene
Concen: 2.302 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



Tgt Ion:164 Resp: 18889

Ion	Ratio	Lower	Upper
164	100		
166	145.2	101.8	152.8
129	97.4	78.8	118.2
131	102.9	79.4	119.0





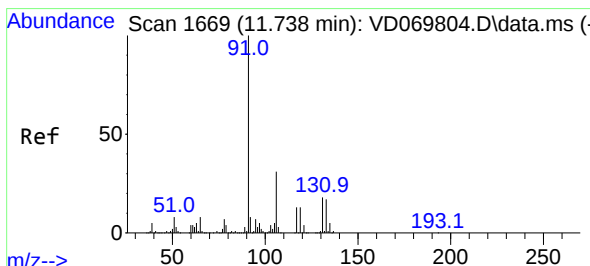
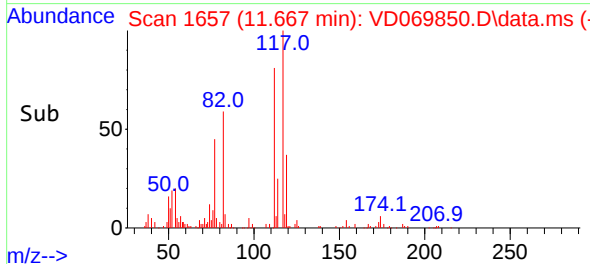
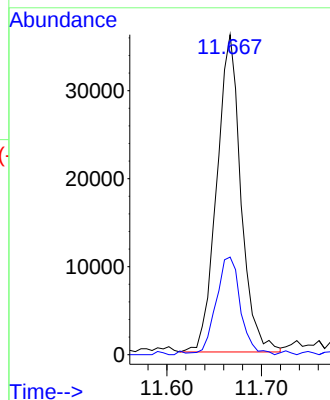
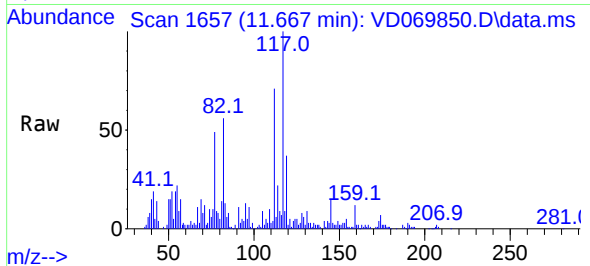
#65
Chlorobenzene
Concen: 2.402 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:112 Resp: 64044
Ion Ratio Lower Upper
112 100
114 30.2 26.5 39.7

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

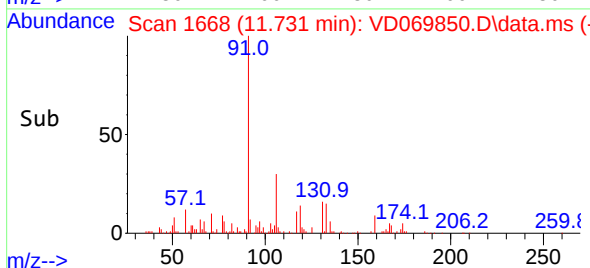
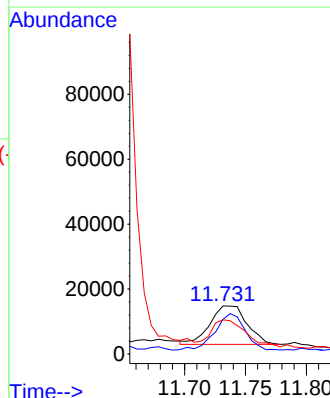
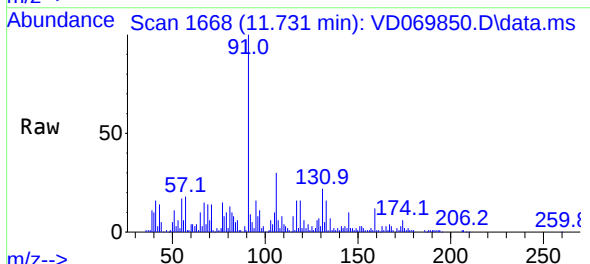
Manual Integrations
APPROVED

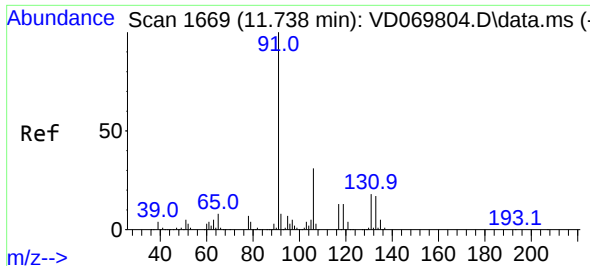
MMDadoda
7/27/2021 12:14:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 2.612 ug/l
RT: 11.731 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

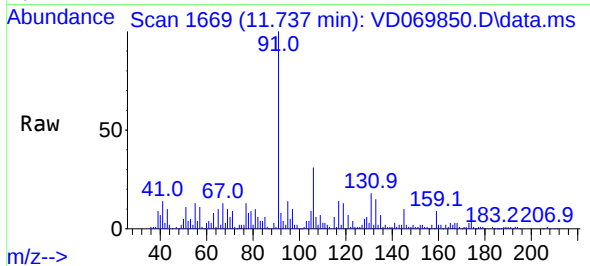
Tgt Ion:131 Resp: 25049
Ion Ratio Lower Upper
131 100
133 76.5 46.4 139.1
119 75.4 34.2 102.5





#67
Ethyl Benzene
Concen: 2.940 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

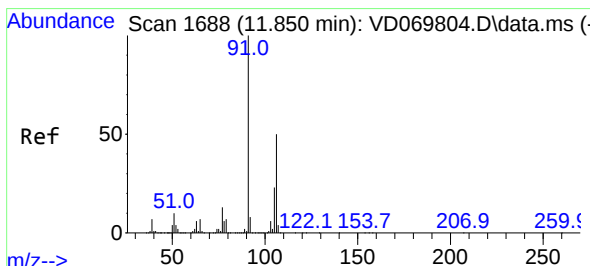
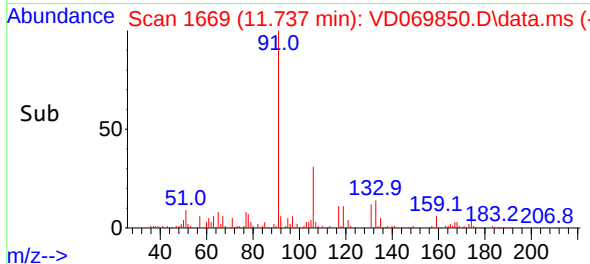
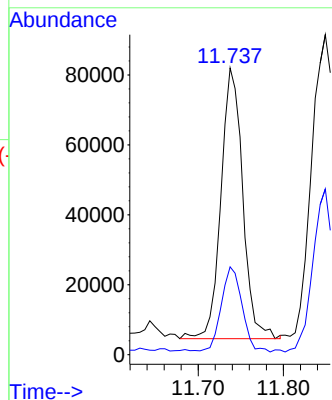
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



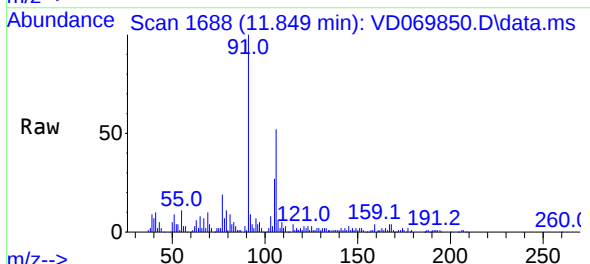
Tgt Ion: 91 Resp: 137996
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3

Manual Integrations
APPROVED

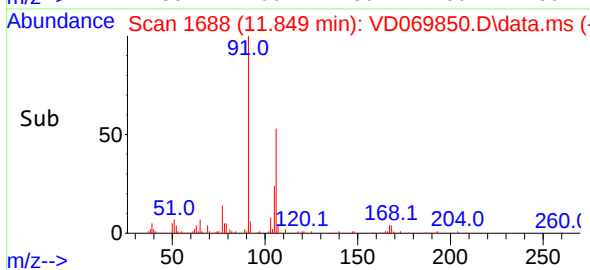
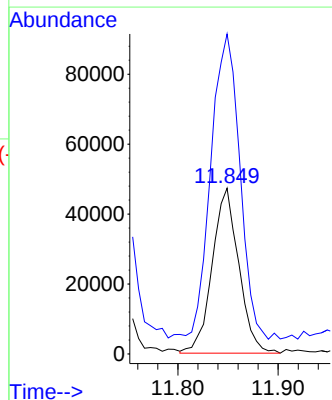
MMDadoda
7/27/2021 12:14:25 PM

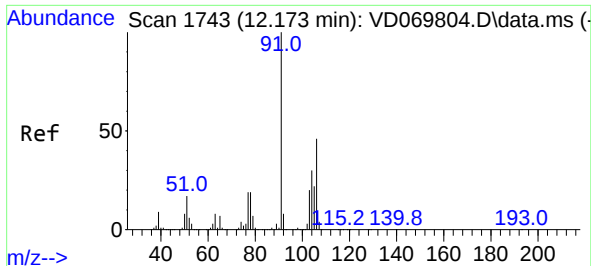


#68
m/p-Xylenes
Concen: 4.769 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



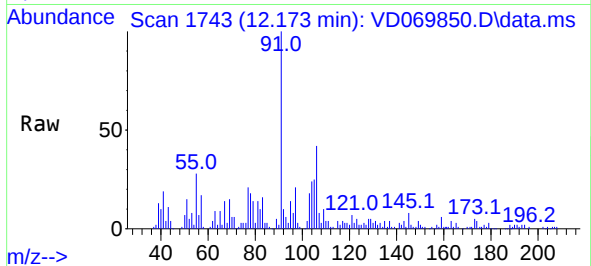
Tgt Ion: 106 Resp: 86778
Ion Ratio Lower Upper
106 100
91 199.6 162.4 243.6





#69
o-Xylene
Concen: 2.512 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

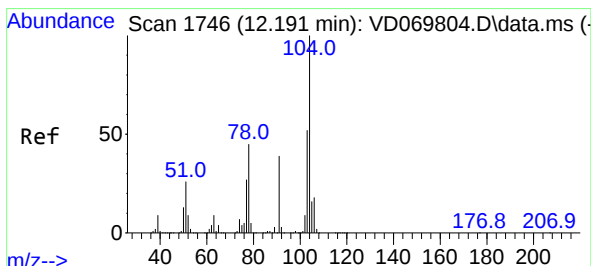
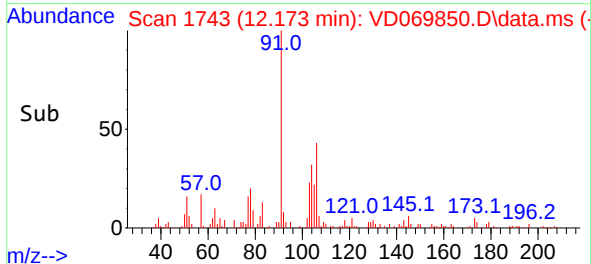
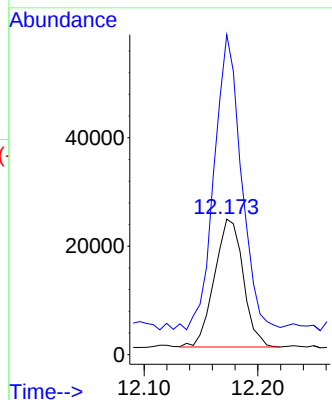
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion:106 Resp: 41558
Ion Ratio Lower Upper
106 100
91 217.3 107.6 322.8

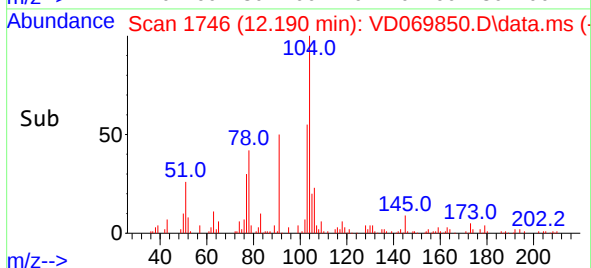
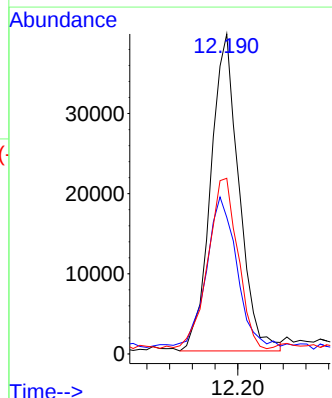
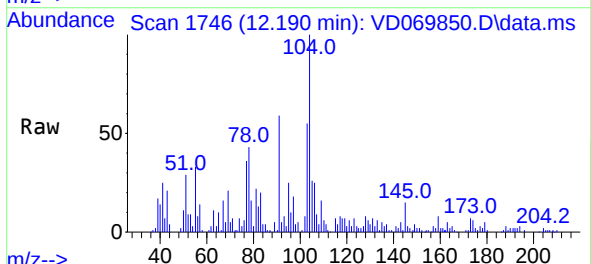
Manual Integrations
APPROVED

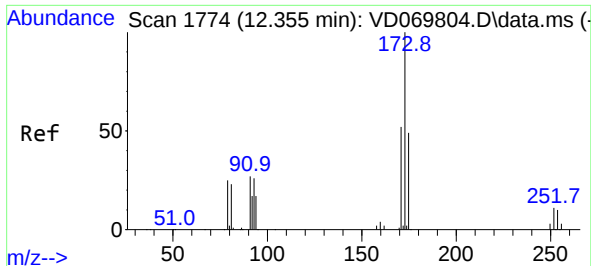
MMDadoda
7/27/2021 12:14:25 PM



#70
Styrene
Concen: 2.383 ug/l
RT: 12.190 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:104 Resp: 68312
Ion Ratio Lower Upper
104 100
78 51.8 39.7 59.5
103 56.8 44.0 66.0





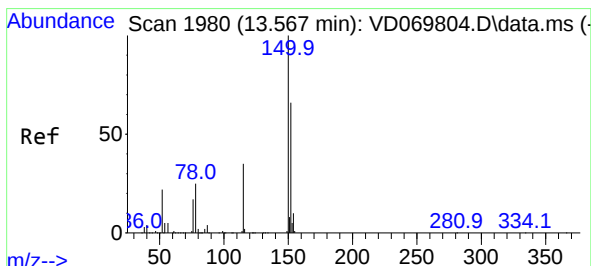
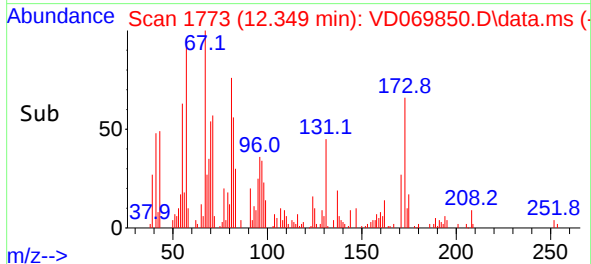
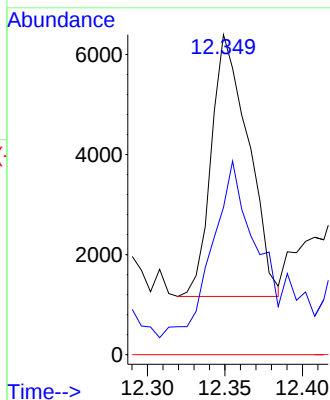
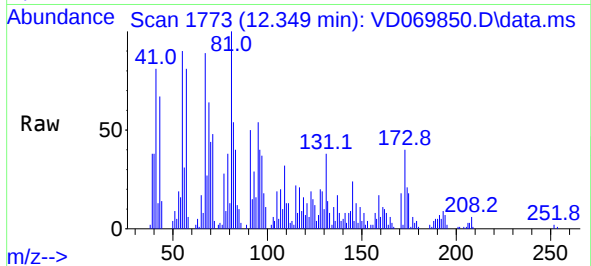
#71
Bromoform
Concen: 1.861 ug/l
RT: 12.349 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:173 Resp: 8671
Ion Ratio Lower Upper
173 100
175 92.5 24.1 72.3#
254 0.0 0.1 0.1#

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

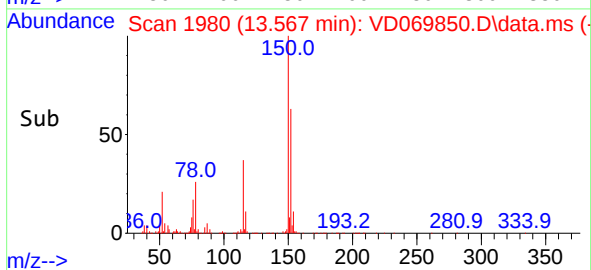
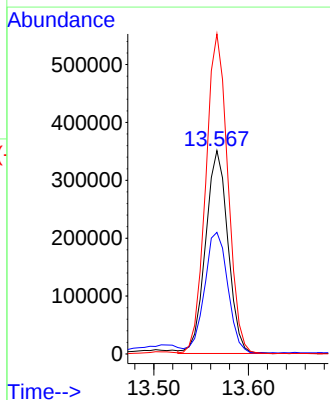
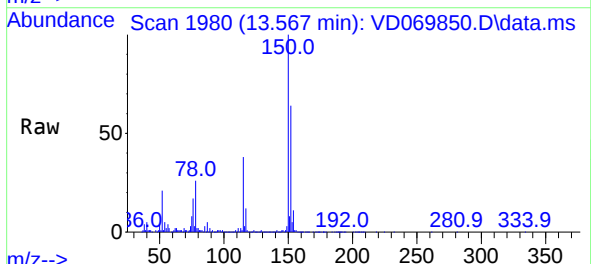
Manual Integrations
APPROVED

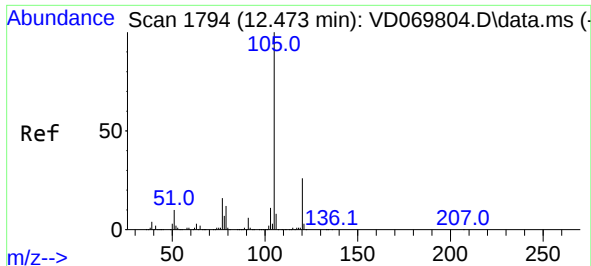
MMDadoda
7/27/2021 12:14:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

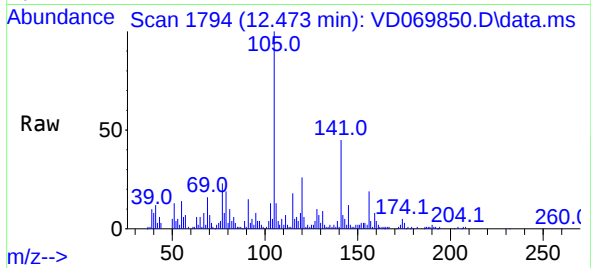
Tgt Ion:152 Resp: 575283
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.3
150 155.8 0.0 343.0





#73
Isopropylbenzene
Concen: 3.065 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

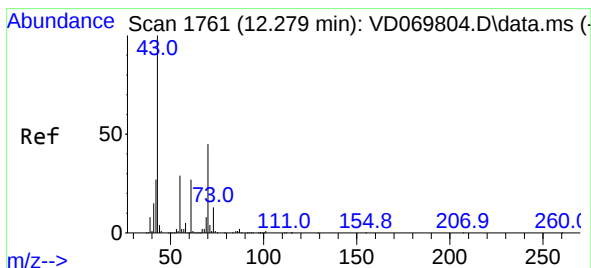
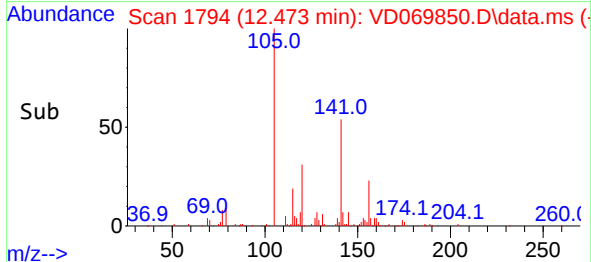
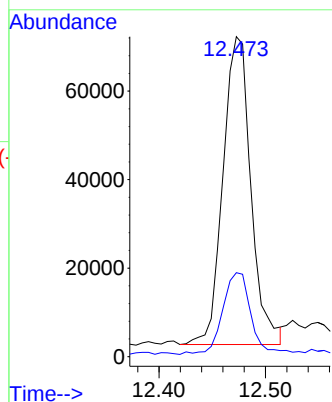
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



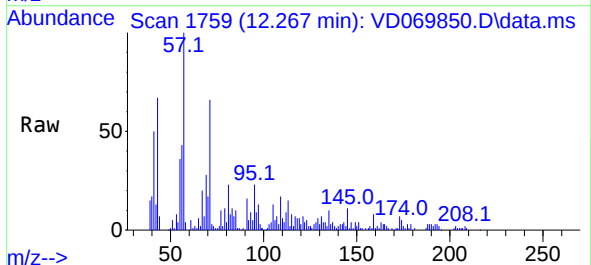
Tgt Ion: 105 Resp: 126699
Ion Ratio Lower Upper
105 100
120 27.2 13.0 38.9

Manual Integrations
APPROVED

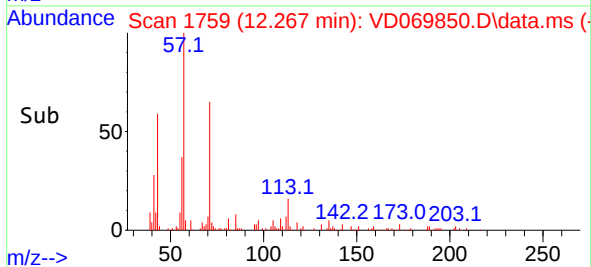
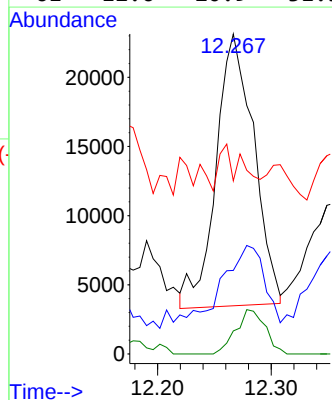
MMDadoda
7/27/2021 12:14:25 PM

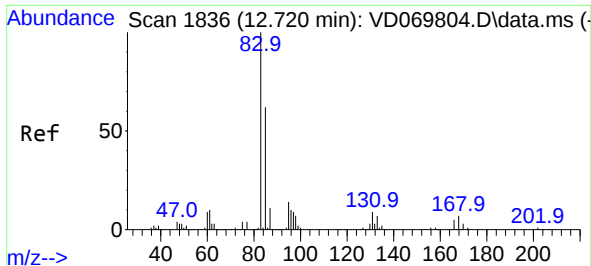


#74
N-ethyl acetate
Concen: 5.342 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

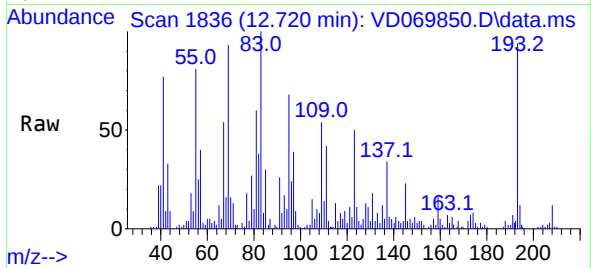


Tgt Ion: 43 Resp: 45417
Ion Ratio Lower Upper
43 100
70 29.8 37.9 56.9#
55 10.4 23.7 35.5#
61 12.6 20.9 31.3#

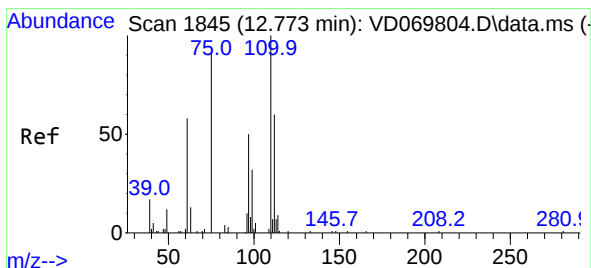
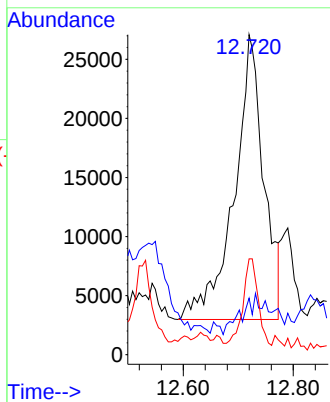
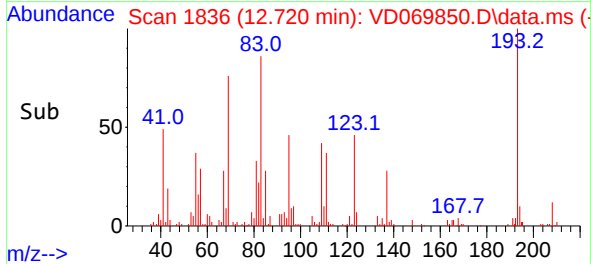




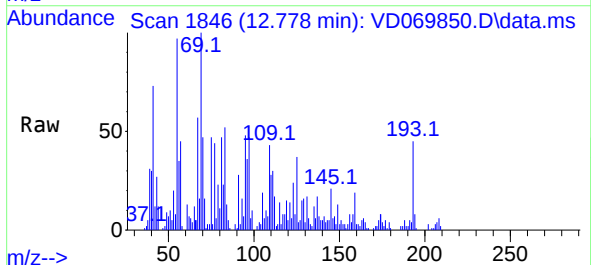
#75
1,1,2,2-Tetrachloroethane
Concen: 10.871 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



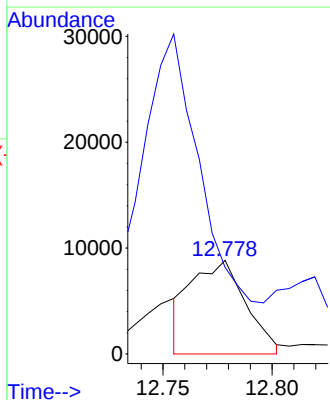
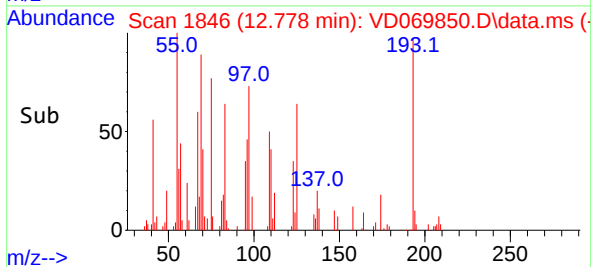
Tgt Ion: 83 Resp: 89741
Ion Ratio Lower Upper
83 100
131 5.7 4.9 14.6
85 15.5 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 2.529 ug/l m
RT: 12.778 min Scan# 1846
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



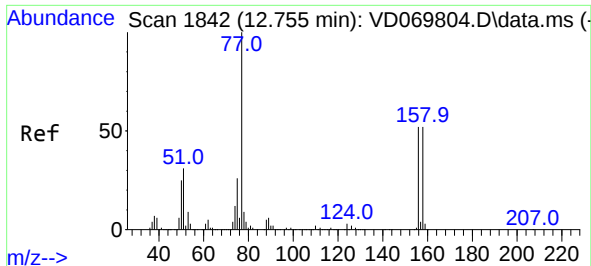
Tgt Ion: 75 Resp: 15466
Ion Ratio Lower Upper
75 100
77 0.0 181.5 544.5#



Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



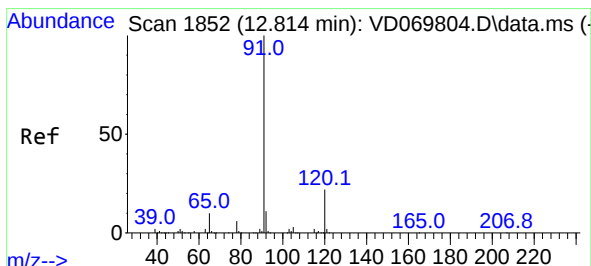
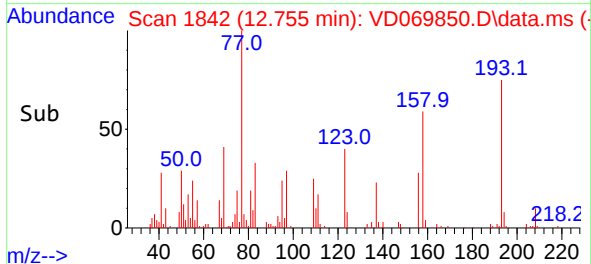
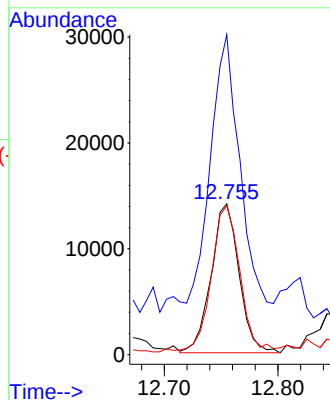
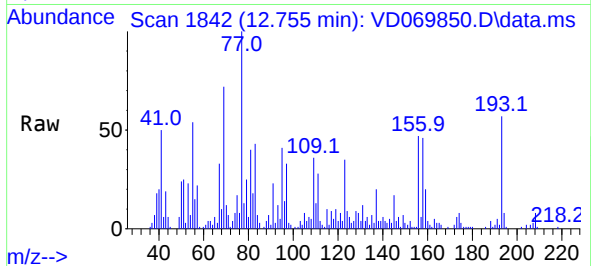
#77
Bromobenzene
Concen: 2.585 ug/l
RT: 12.755 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 156 Resp: 24067
Ion Ratio Lower Upper
156 100
77 201.2 107.1 321.3
158 100.3 48.1 144.3

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

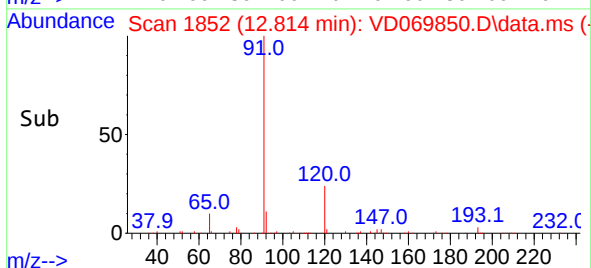
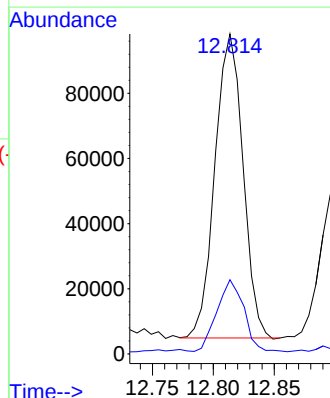
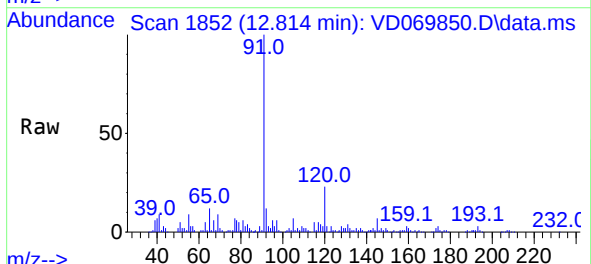
Manual Integrations
APPROVED

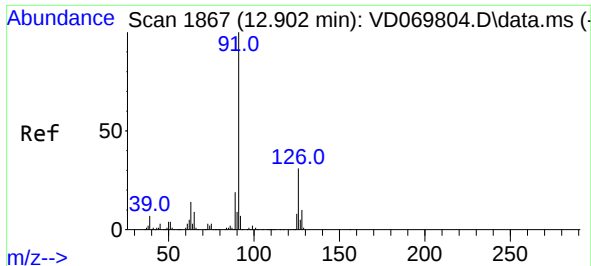
MMDadoda
7/27/2021 12:14:25 PM



#78
n-propylbenzene
Concen: 2.821 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 91 Resp: 149770
Ion Ratio Lower Upper
91 100
120 22.7 10.9 32.7





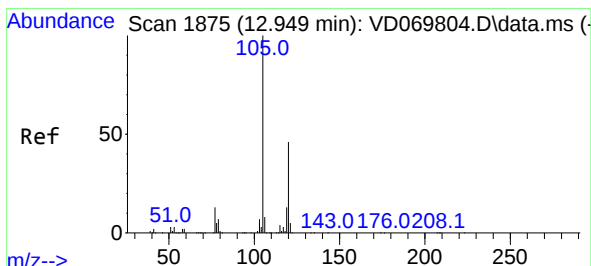
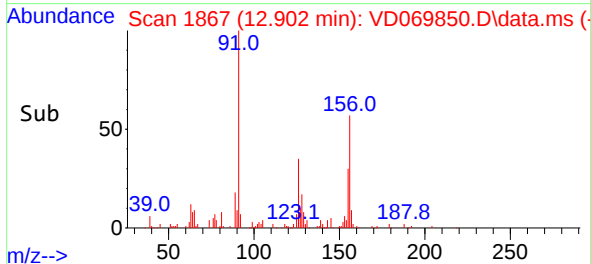
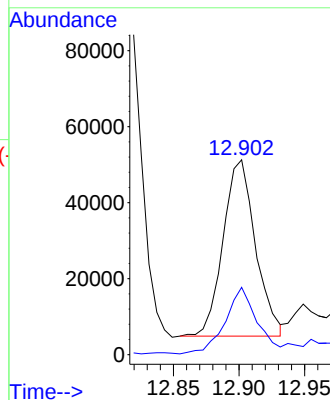
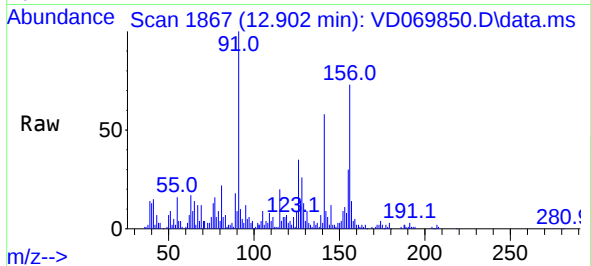
#79
2-Chlorotoluene
Concen: 2.583 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 91 Resp: 79650
Ion Ratio Lower Upper
91 100
126 36.8 15.9 47.7

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

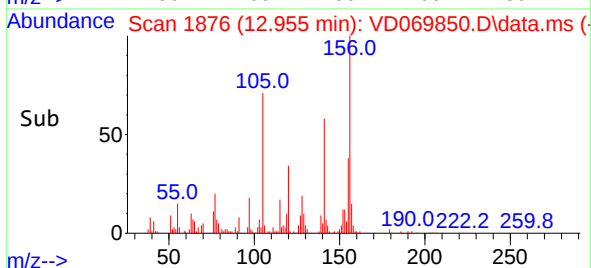
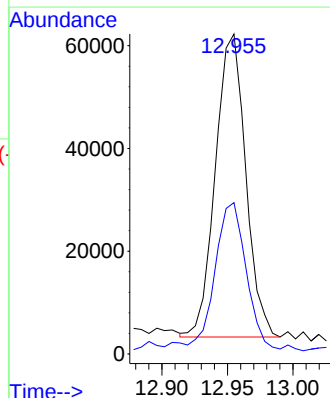
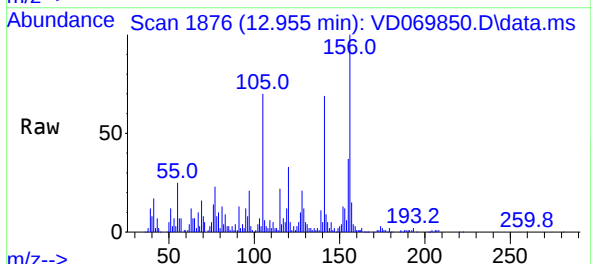
Manual Integrations
APPROVED

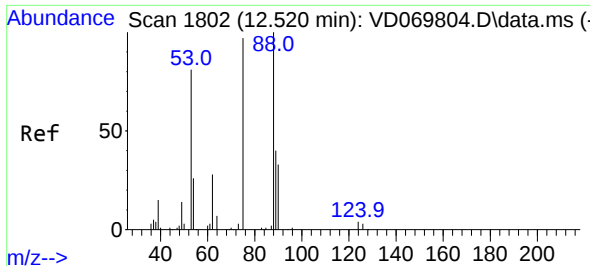
MMDadoda
7/27/2021 12:14:25 PM



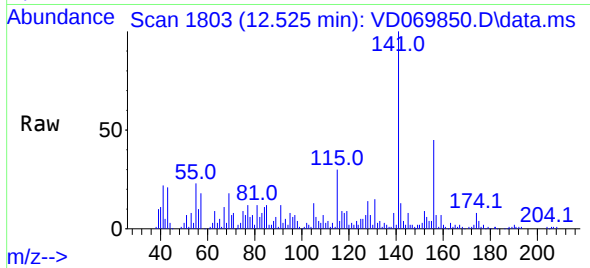
#80
1,3,5-Trimethylbenzene
Concen: 2.679 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 105 Resp: 94720
Ion Ratio Lower Upper
105 100
120 50.2 23.8 71.2

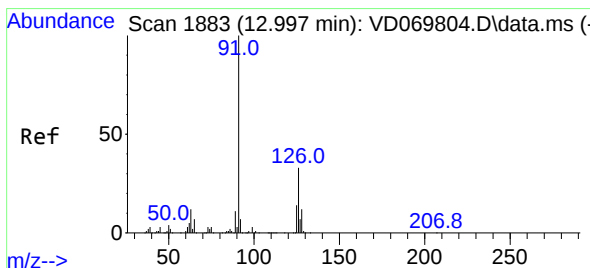
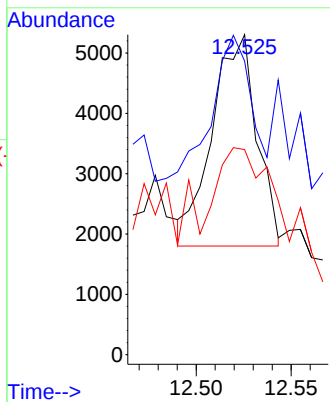
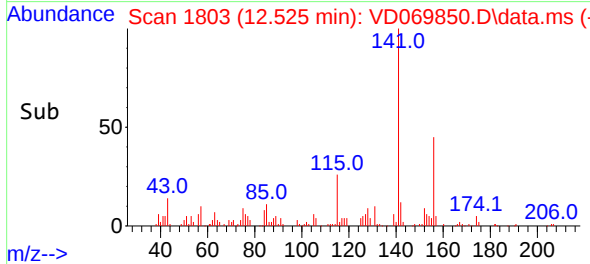




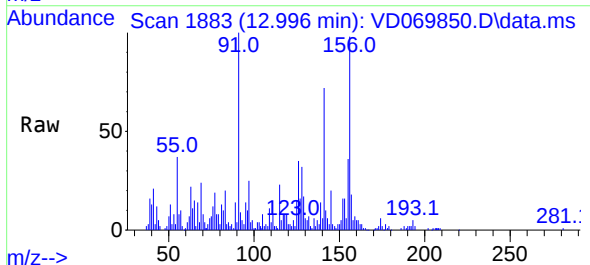
#81
trans-1,4-Dichloro-2-butene
Concen: 2.833 ug/l m
RT: 12.525 min Scan# 1803
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



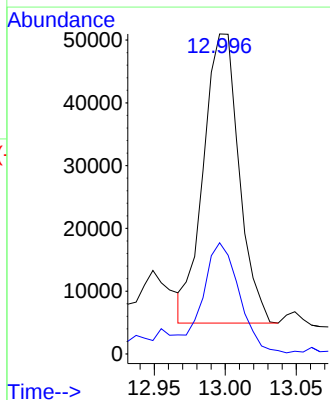
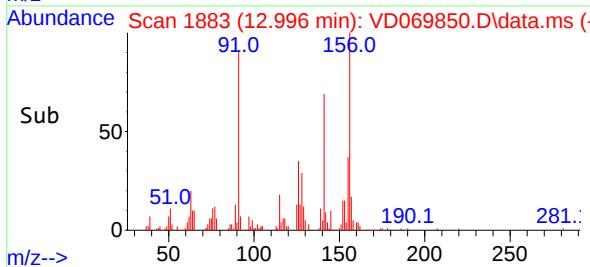
Tgt Ion: 75 Resp: 5710
Ion Ratio Lower Upper
75 100
53 28.0 67.2 100.8#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 2.495 ug/l
RT: 12.996 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



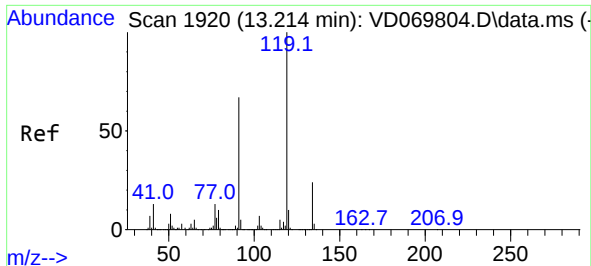
Tgt Ion: 91 Resp: 80428
Ion Ratio Lower Upper
91 100
126 37.5 15.9 47.6



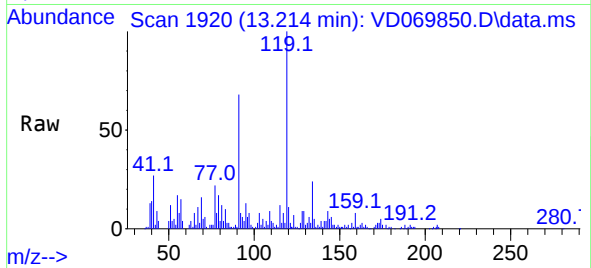
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

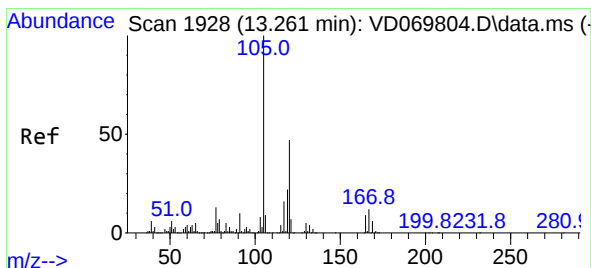
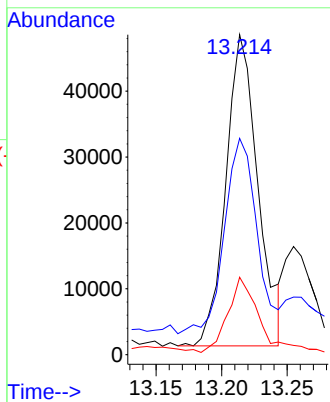
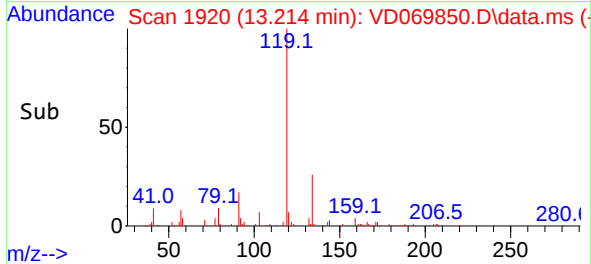
MMDadoda
7/27/2021 12:14:25 PM



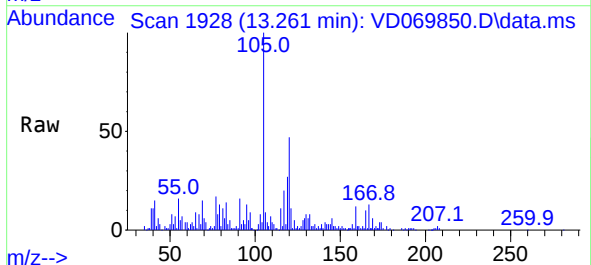
#83
tert-Butylbenzene
Concen: 2.797 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



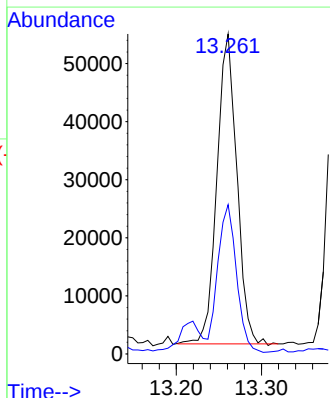
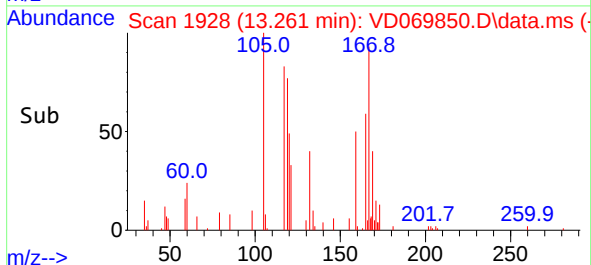
Tgt Ion:119 Resp: 80411
Ion Ratio Lower Upper
119 100
91 63.2 33.7 101.1
134 23.6 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 2.485 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



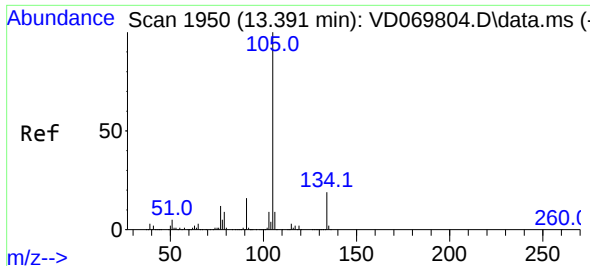
Tgt Ion:105 Resp: 86692
Ion Ratio Lower Upper
105 100
120 44.3 22.6 67.8



Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

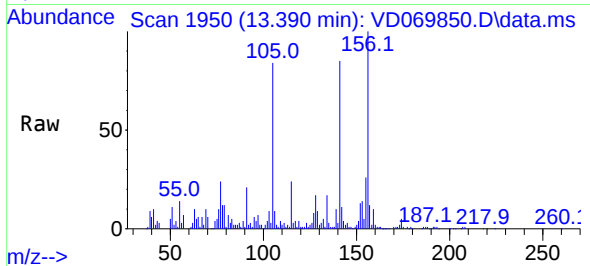
Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



#85
 sec-Butylbenzene
 Concen: 2.903 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD069850.D
 Acq: 26 Jul 2021 16:23

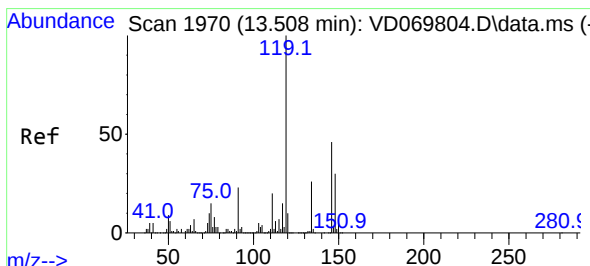
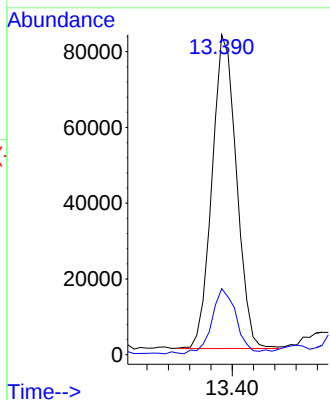
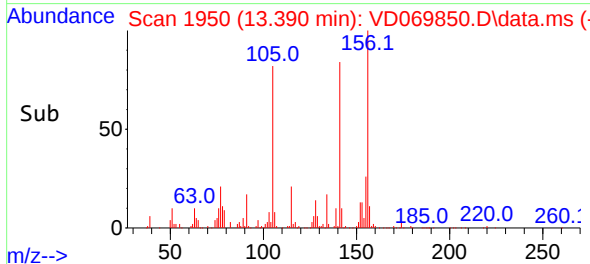
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021



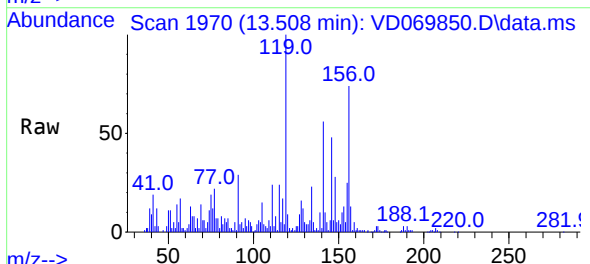
Tgt Ion:105 Resp: 131922
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.6 28.6

Manual Integrations
 APPROVED

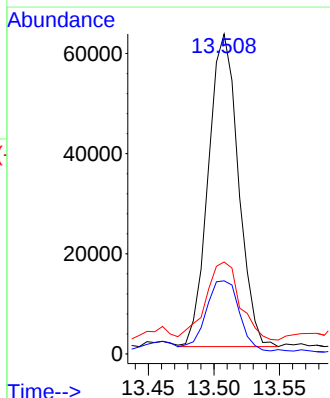
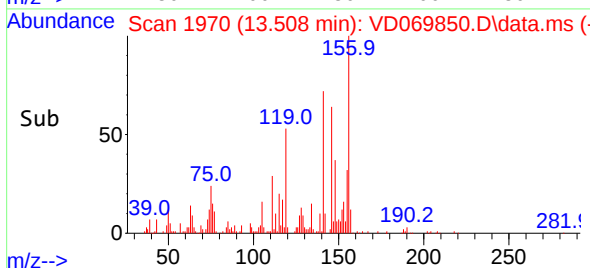
MMDadoda
 7/27/2021 12:14:25 PM

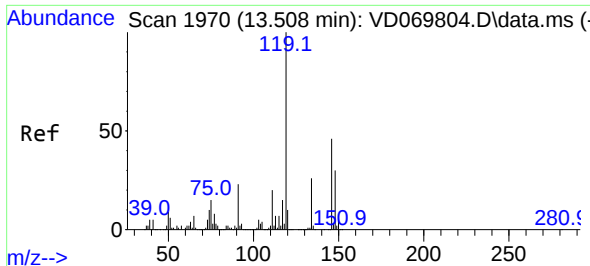


#86
 p-Isopropyltoluene
 Concen: 2.691 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.000 min
 Lab File: VD069850.D
 Acq: 26 Jul 2021 16:23

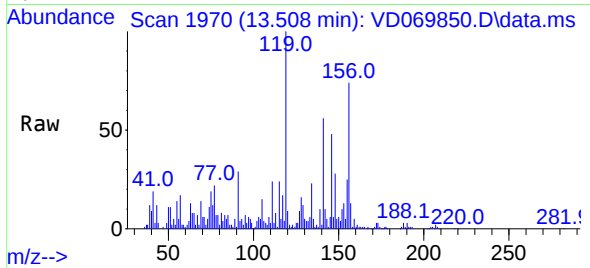


Tgt Ion:119 Resp: 99362
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.6 37.8
 91 28.3 11.7 35.1

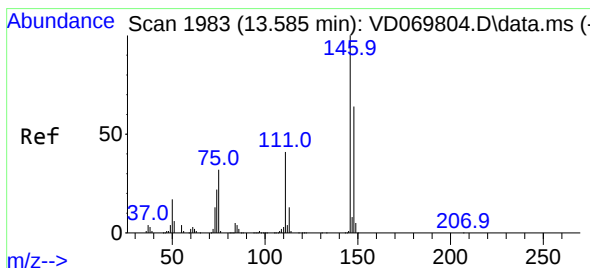
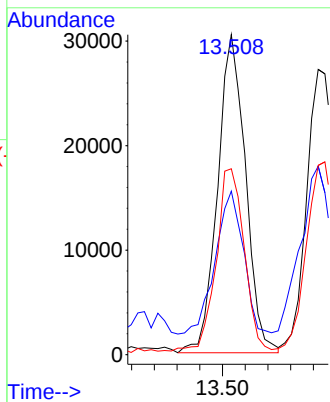
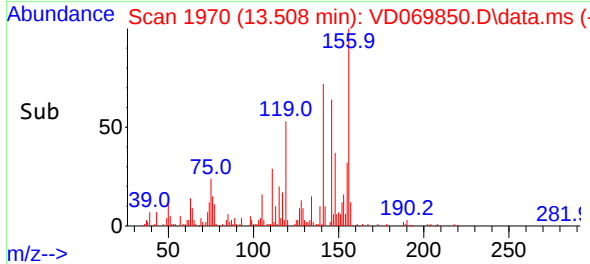




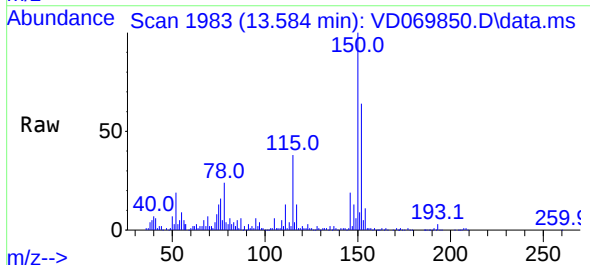
#87
1,3-Dichlorobenzene
Concen: 2.664 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



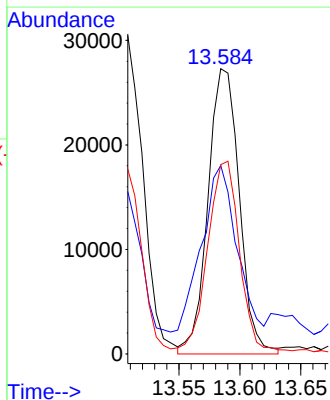
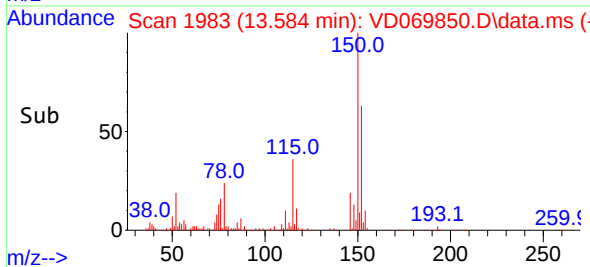
Tgt Ion:146 Resp: 52062
Ion Ratio Lower Upper
146 100
111 45.0 21.7 65.1
148 57.0 32.1 96.3



#88
1,4-Dichlorobenzene
Concen: 2.509 ug/l m
RT: 13.584 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



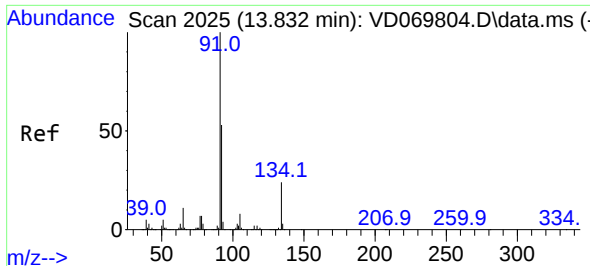
Tgt Ion:146 Resp: 48874
Ion Ratio Lower Upper
146 100
111 47.9 20.8 62.4
148 60.7 31.6 95.0



Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

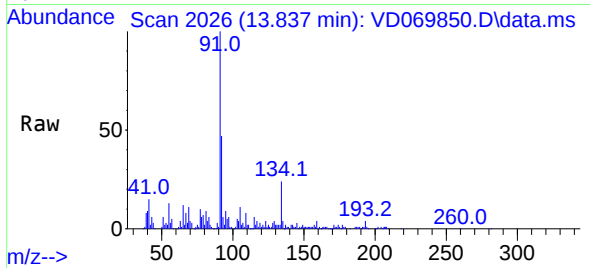
Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



#89
n-Butylbenzene
Concen: 2.747 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

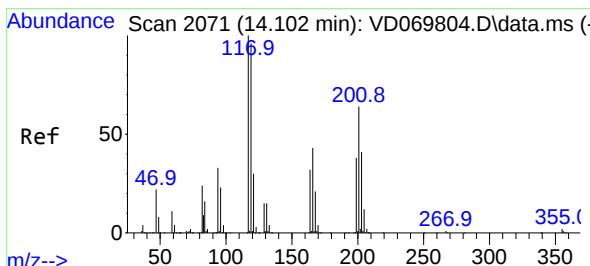
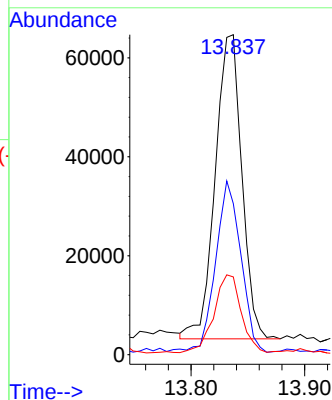
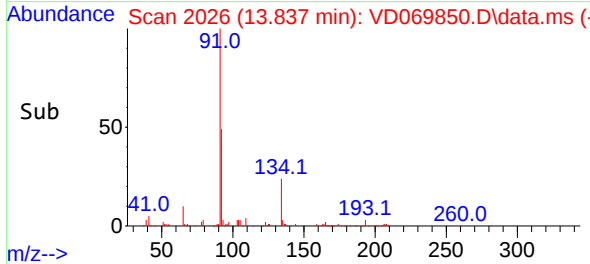
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



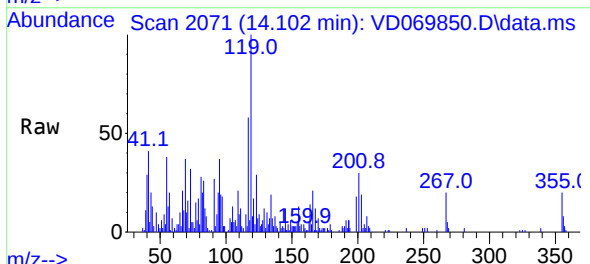
Tgt Ion: 91 Resp: 100093
Ion Ratio Lower Upper
91 100
92 53.0 26.6 79.7
134 26.6 11.9 35.7

Manual Integrations
APPROVED

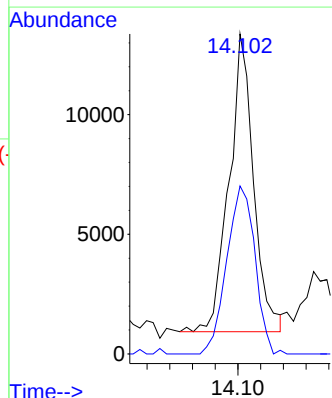
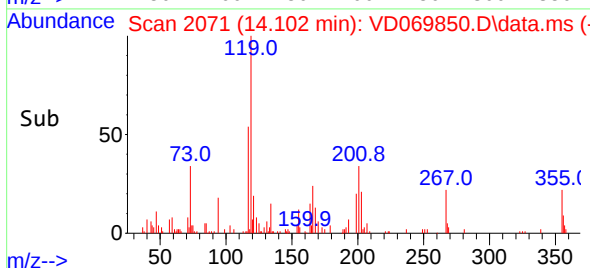
MMDadoda
7/27/2021 12:14:25 PM

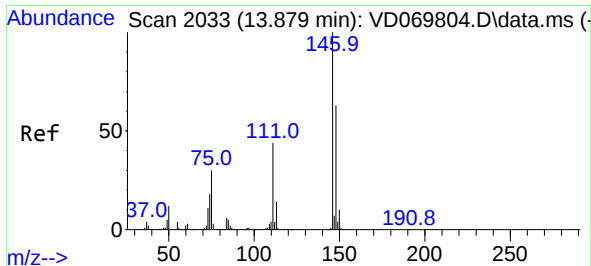


#90
Hexachloroethane
Concen: 2.382 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



Tgt Ion: 117 Resp: 18630
Ion Ratio Lower Upper
117 100
201 64.8 31.9 95.5





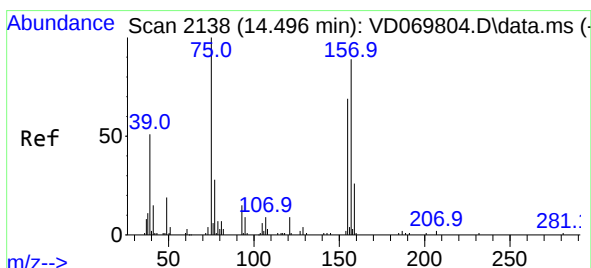
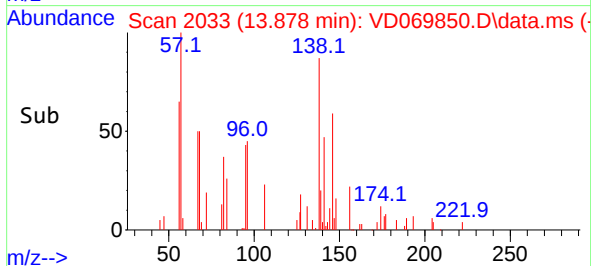
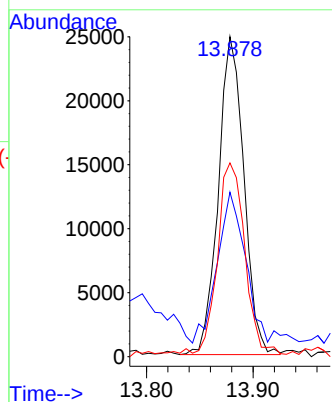
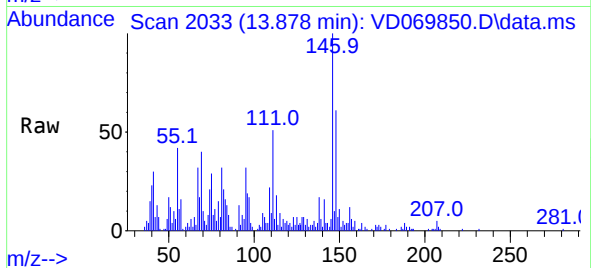
#91
1,2-Dichlorobenzene
Concen: 2.456 ug/l
RT: 13.878 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion: 146 Resp: 41439
Ion Ratio Lower Upper
146 100
111 53.9 21.7 65.1
148 64.2 31.2 93.6

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

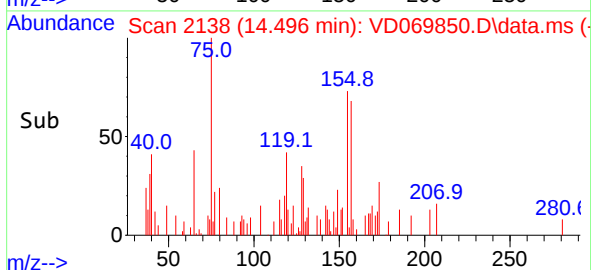
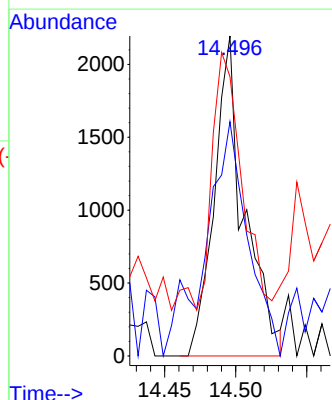
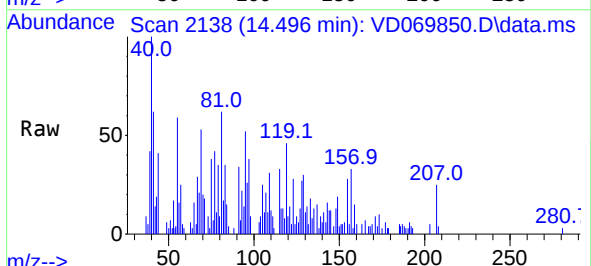
Manual Integrations
APPROVED

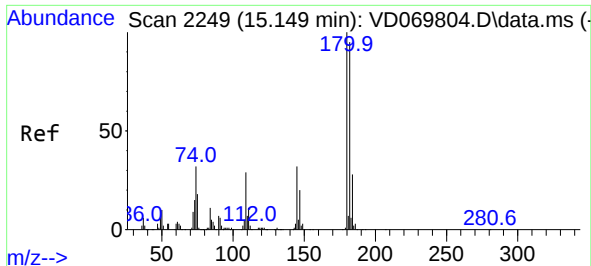
MMDadoda
7/27/2021 12:14:25 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.712 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

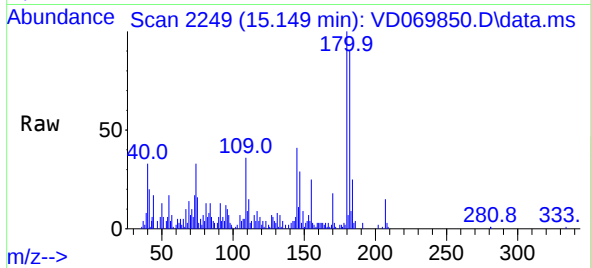
Tgt Ion: 75 Resp: 3224
Ion Ratio Lower Upper
75 100
155 102.8 36.3 108.9
157 77.8 47.0 141.0





#93
1,2,4-Trichlorobenzene
Concen: 2.887 ug/l
RT: 15.149 min Scan# 2249
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

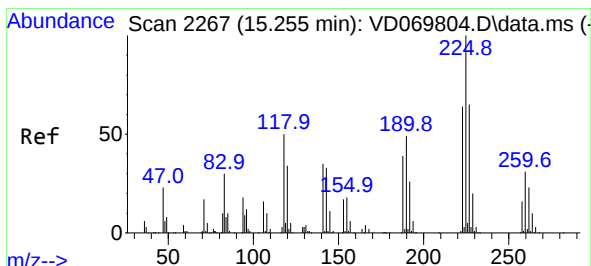
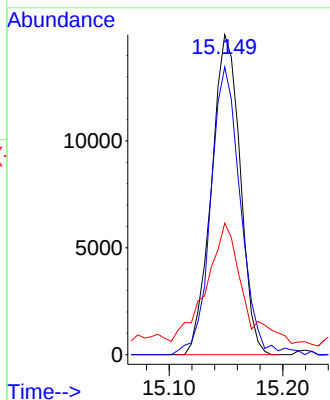
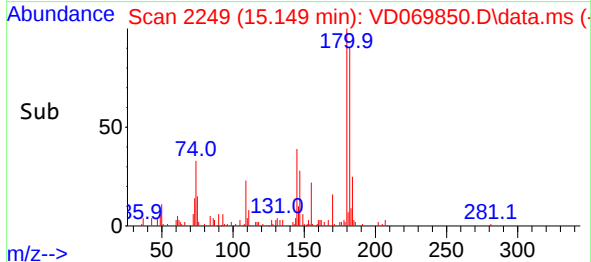
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



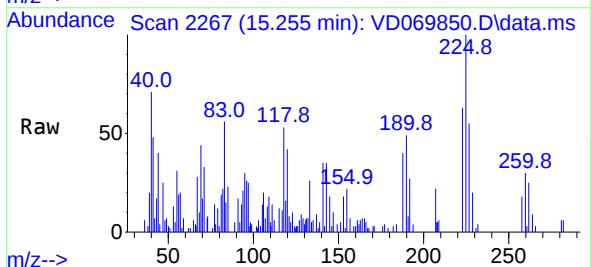
Tgt Ion:180 Resp: 26277
Ion Ratio Lower Upper
180 100
182 93.8 47.6 142.9
145 51.3 16.4 49.2#

Manual Integrations
APPROVED

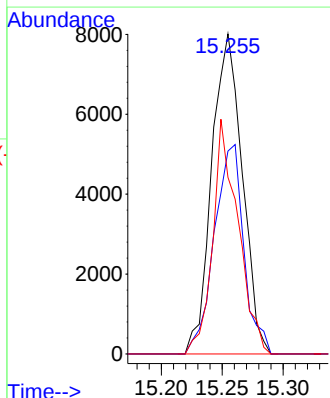
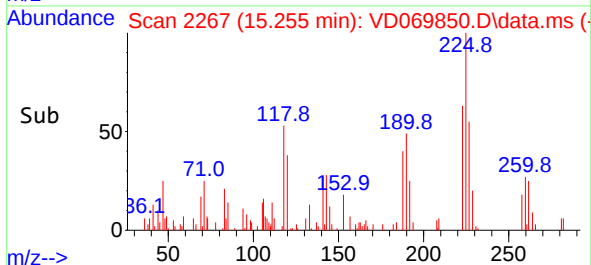
MMDadoda
7/27/2021 12:14:25 PM

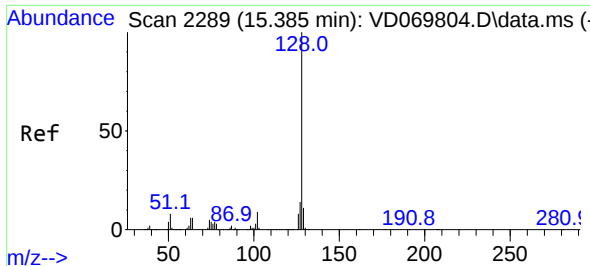


#94
Hexachlorobutadiene
Concen: 2.510 ug/l
RT: 15.255 min Scan# 2267
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23



Tgt Ion:225 Resp: 13977
Ion Ratio Lower Upper
225 100
223 63.2 31.5 94.5
227 60.8 31.9 95.7





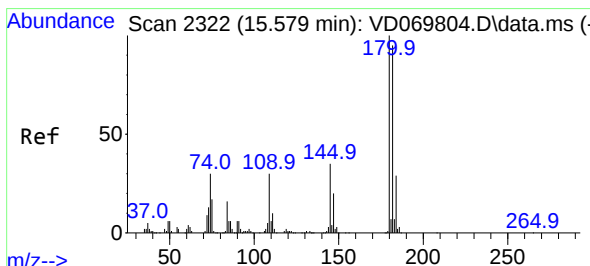
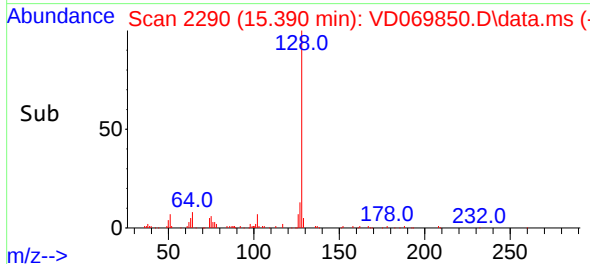
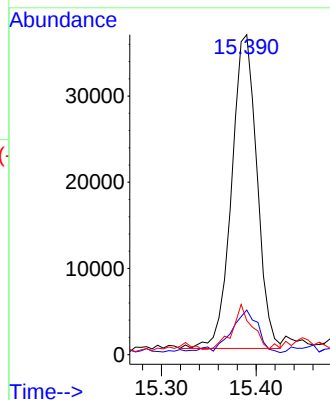
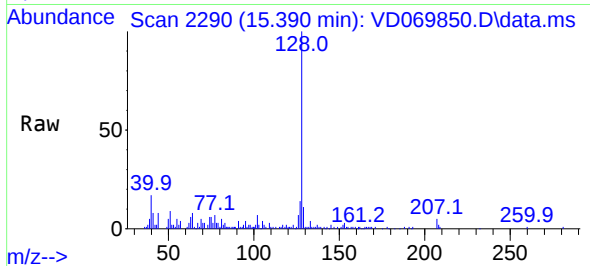
#95
Naphthalene
Concen: 4.165 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:	128	Resp:	67665
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.6	16.0
129	12.7	8.6	12.8

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

MMDadoda
7/27/2021 12:14:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.694 ug/l
RT: 15.578 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VD069850.D
Acq: 26 Jul 2021 16:23

Tgt Ion:	180	Resp:	21204
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.3	142.0
145	79.0	17.3	51.9#

