

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
 Data File : VD068672.D
 Acq On : 19 Mar 2021 20:06
 Operator : VA/SY
 Sample : M1458-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2021

Manual Integrations
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 3/22/2021 11:37:11 AM

Quant Time: Mar 20 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:37:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	294460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	529344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	492294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	223526	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	159456	53.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.40%			
35) Dibromofluoromethane	7.920	113	171400	52.04	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.08%			
50) Toluene-d8	10.338	98	654143	51.52	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.04%			
62) 4-Bromofluorobenzene	12.632	95	209040	50.78	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.56%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	11145	4.84	ug/l	100
3) Chloromethane	2.209	50	14132	4.98	ug/l	96
4) Vinyl Chloride	2.350	62	16231	4.84	ug/l #	86
5) Bromomethane	2.773	94	12945	5.23	ug/l	85
6) Chloroethane	2.920	64	10467	4.77	ug/l #	84
7) Trichlorofluoromethane	3.279	101	18988	4.75	ug/l #	77
8) Diethyl Ether	3.720	74	5032	4.55	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	11113	4.65	ug/l	98
10) Methyl Iodide	4.314	142	9094	3.69	ug/l	97
11) Tert butyl alcohol	5.209	59	3533m	25.82	ug/l	
12) 1,1-Dichloroethene	4.062	96	11233	4.83	ug/l #	79
13) Acrolein	3.926	56	3312	26.50	ug/l	95
14) Allyl chloride	4.726	41	12883	4.56	ug/l	98
15) Acrylonitrile	5.432	53	11447	21.28	ug/l	98
16) Acetone	4.173	43	7642	21.21	ug/l	96
17) Carbon Disulfide	4.409	76	35976	4.81	ug/l	98
18) Methyl Acetate	4.726	43	4409	4.45	ug/l #	85
19) Methyl tert-butyl Ether	5.485	73	24483	4.18	ug/l	97
20) Methylene Chloride	4.967	84	37593	9.59	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	14449	4.47	ug/l #	89
22) Diisopropyl ether	6.367	45	29052	4.04	ug/l #	89
23) Vinyl Acetate	6.314	43	71760m	18.79	ug/l	
24) 1,1-Dichloroethane	6.267	63	23856	4.53	ug/l	99
25) 2-Butanone	7.226	43	12530	20.99	ug/l	93
26) 2,2-Dichloropropane	7.214	77	19543	4.17	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	16563	4.59	ug/l	98
28) Bromochloromethane	7.555	49	9372	4.50	ug/l #	94
29) Tetrahydrofuran	7.561	42	7630	20.22	ug/l	95
30) Chloroform	7.708	83	25618	4.47	ug/l	93
31) Cyclohexane	7.985	56	24780	5.17	ug/l #	74
32) 1,1,1-Trichloroethane	7.914	97	23278	4.55	ug/l	98
36) 1,1-Dichloropropene	8.114	75	20552	4.35	ug/l	99
37) Ethyl Acetate	7.297	43	6563	4.40	ug/l #	73
38) Carbon Tetrachloride	8.097	117	18835	3.99	ug/l	86
39) Methylcyclohexane	9.361	83	23518	4.03	ug/l	92
40) Benzene	8.350	78	59309	4.30	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	2936	3.36	ug/l #	25
42) 1,2-Dichloroethane	8.426	62	15505	4.30	ug/l	98
43) Isopropyl Acetate	8.455	43	11412	3.99	ug/l	97
44) Trichloroethene	9.120	130	17363	4.54	ug/l	72
45) 1,2-Dichloropropane	9.391	63	13847	4.20	ug/l	96
46) Dibromomethane	9.479	93	7152	3.81	ug/l	87
47) Bromodichloromethane	9.667	83	20390	4.24	ug/l	88
48) Methyl methacrylate	9.455	41	5716	3.94	ug/l	94
49) 1,4-Dioxane	9.473	88	1823	87.42	ug/l #	82
51) 4-Methyl-2-Pentanone	10.226	43	27671	18.57	ug/l	97
52) Toluene	10.402	92	37367	4.28	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	17179	3.88	ug/l	94
54) cis-1,3-Dichloropropene	10.091	75	19725	3.75	ug/l #	85
55) 1,1,2-Trichloroethane	10.802	97	10293	3.90	ug/l	97
56) Ethyl methacrylate	10.661	69	10040	3.52	ug/l	94
57) 1,3-Dichloropropane	10.944	76	18499	4.29	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	26828	18.46	ug/l	95
59) 2-Hexanone	10.985	43	17745	17.74	ug/l	96
60) Dibromochloromethane	11.138	129	13368	4.08	ug/l	100
61) 1,2-Dibromoethane	11.249	107	9557	3.75	ug/l	82
64) Tetrachloroethene	10.873	164	13492	4.23	ug/l	94
65) Chlorobenzene	11.667	112	41340	4.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	13979	4.01	ug/l	93
67) Ethyl Benzene	11.743	91	66268	3.92	ug/l	99
68) m/p-Xylenes	11.855	106	50693	7.70	ug/l	97
69) o-Xylene	12.179	106	23395	3.83	ug/l	94
70) Styrene	12.191	104	39155	3.73	ug/l	97
71) Bromoform	12.361	173	7480	4.07	ug/l #	93
73) Isopropylbenzene	12.479	105	60757	3.96	ug/l	97
74) N-amyl acetate	12.291	43	9362	3.66	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	11794	4.35	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	7774m	4.18	ug/l	
77) Bromobenzene	12.761	156	16031	4.45	ug/l	100
78) n-propylbenzene	12.820	91	73545	4.02	ug/l	99
79) 2-Chlorotoluene	12.908	91	40692	4.08	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	47017	3.79	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.526	75	3153	3.86	ug/l	87
82) 4-Chlorotoluene	13.002	91	43870	4.12	ug/l	96
83) tert-Butylbenzene	13.220	119	41015	3.87	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	47639	3.71	ug/l	94
85) sec-Butylbenzene	13.396	105	59652	3.88	ug/l	98
86) p-Isopropyltoluene	13.514	119	51758	3.70	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	30088	4.19	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	30935	4.38	ug/l	93
89) n-Butylbenzene	13.837	91	51499	3.87	ug/l	96
90) Hexachloroethane	14.102	117	10287	4.08	ug/l	95
91) 1,2-Dichlorobenzene	13.890	146	26463	4.34	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	1709	4.40	ug/l	85
93) 1,2,4-Trichlorobenzene	15.155	180	15706	3.96	ug/l	98
94) Hexachlorobutadiene	15.261	225	9937	4.39	ug/l	96
95) Naphthalene	15.396	128	27532	3.97	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	14235	4.22	ug/l	97

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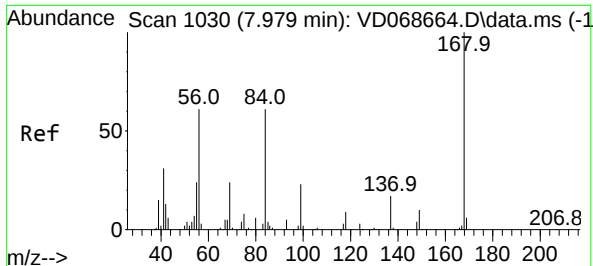
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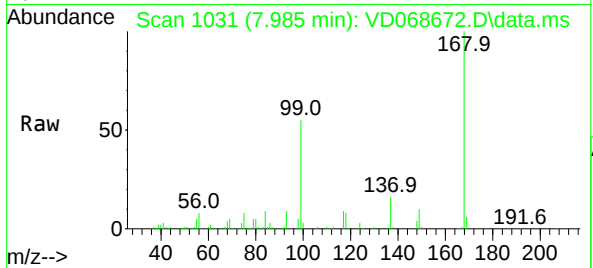
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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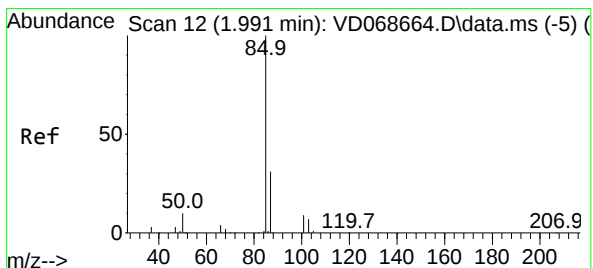
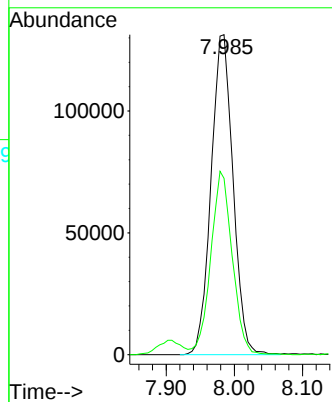
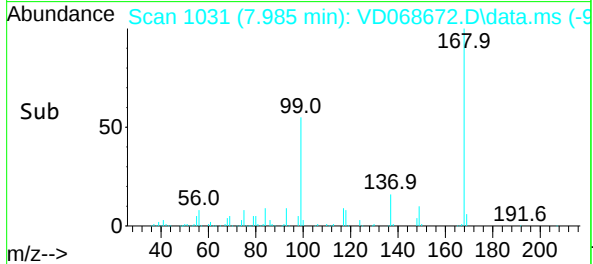
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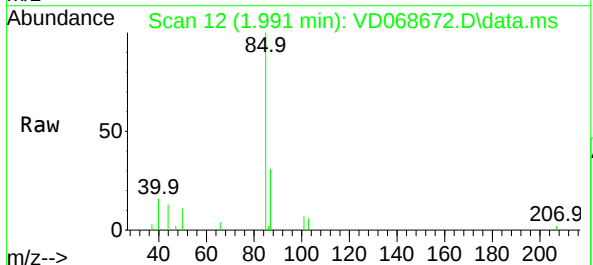
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068672.D
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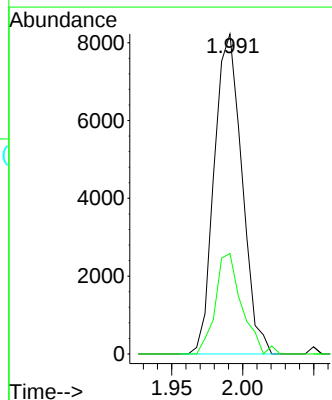
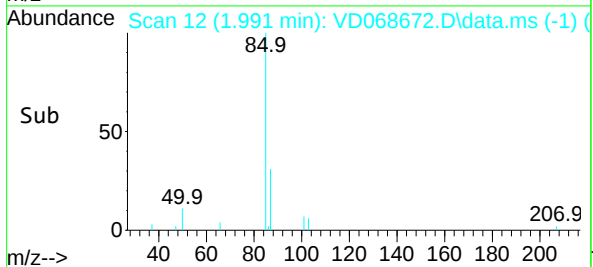
Tgt Ion:168 Resp: 294460
Ion Ratio Lower Upper
168 100
99 54.9 46.2 69.2



#2
Dichlorodifluoromethane
Concen: 4.84 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



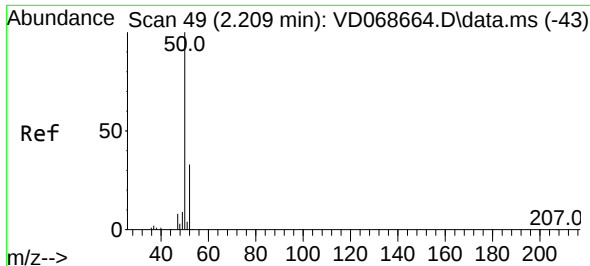
Tgt Ion: 85 Resp: 11145
Ion Ratio Lower Upper
85 100
87 31.4 15.7 47.0



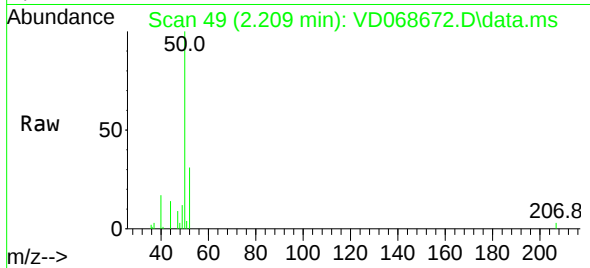
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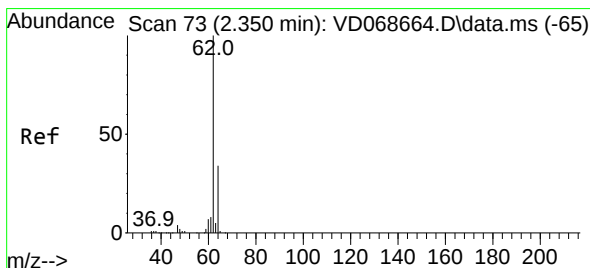
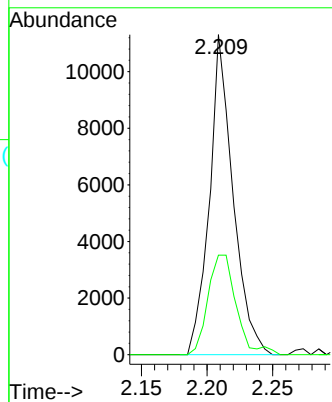
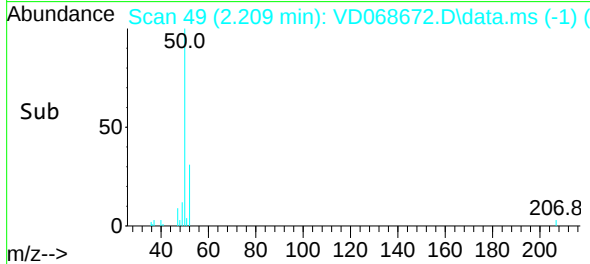
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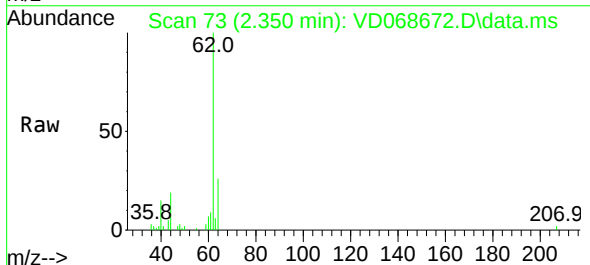
#3
Chloromethane
Concen: 4.98 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



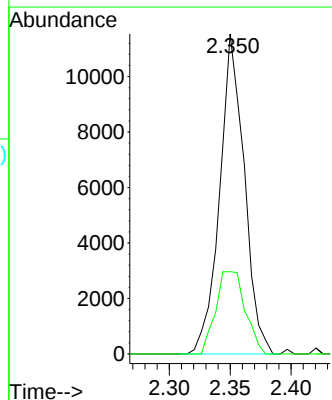
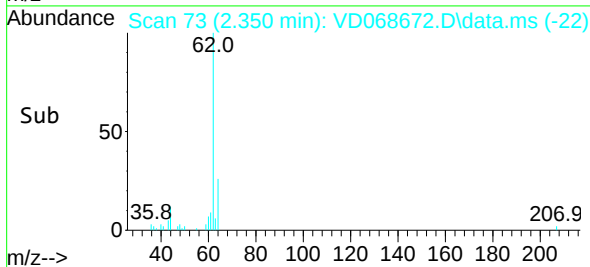
Tgt Ion: 50 Resp: 14132
Ion Ratio Lower Upper
50 100
52 31.1 26.7 40.1



#4
Vinyl Chloride
Concen: 4.84 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



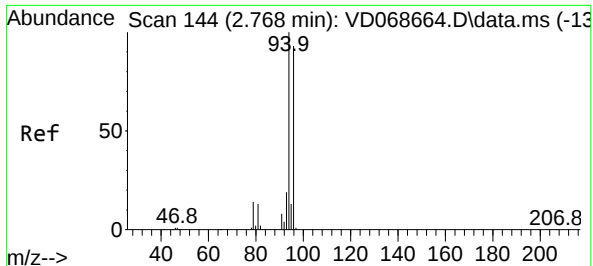
Tgt Ion: 62 Resp: 16231
Ion Ratio Lower Upper
62 100
64 25.7 27.1 40.7#



Instrument :
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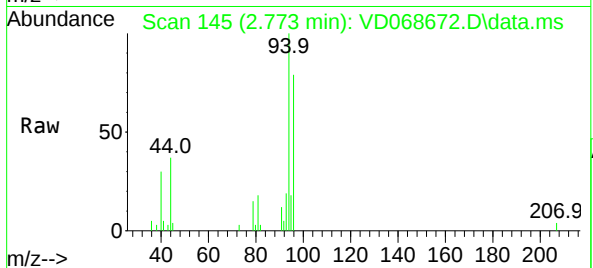
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#5
Bromomethane
Concen: 5.23 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

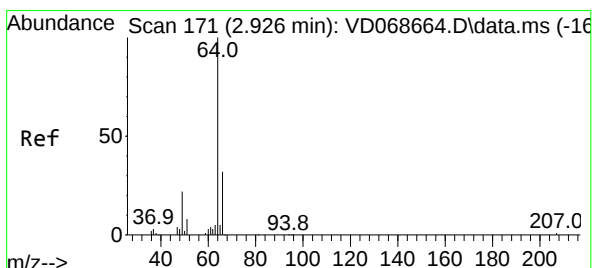
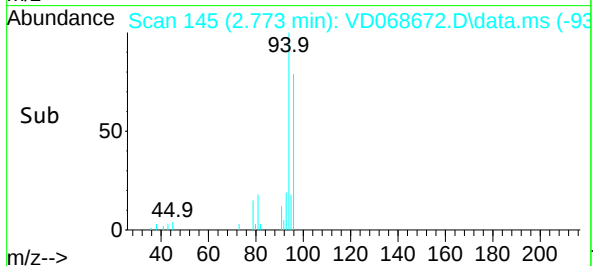
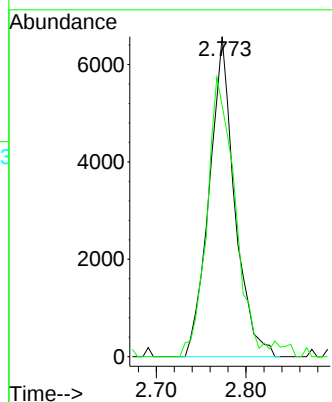
Instrument :
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Tgt Ion: 94 Resp: 12945
Ion Ratio Lower Upper
94 100
96 78.6 74.7 112.1

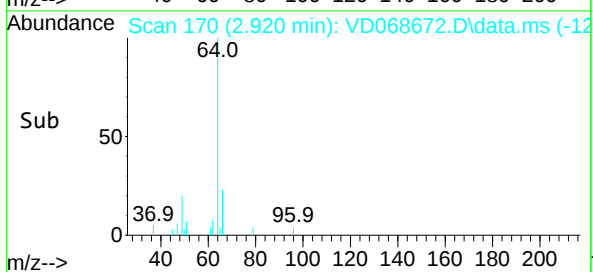
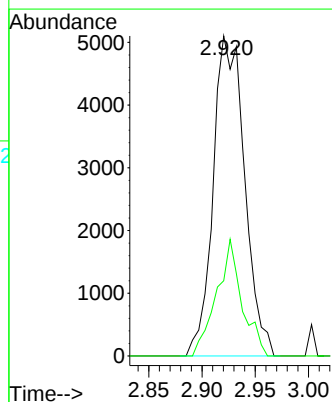
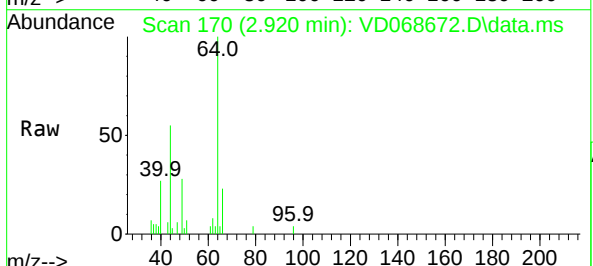
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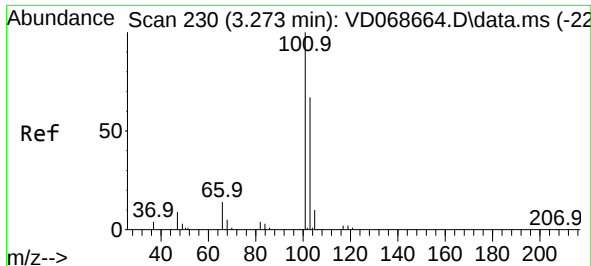
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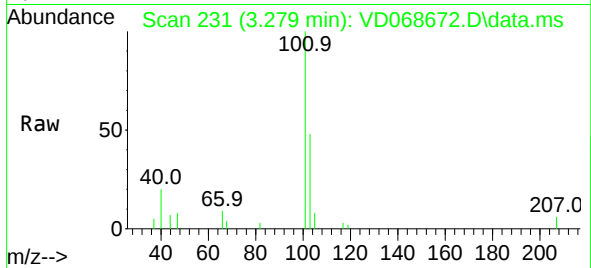
#6
Chloroethane
Concen: 4.77 ug/l
RT: 2.920 min Scan# 170
Delta R.T. -0.006 min
Lab File: VD068672.D
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Tgt Ion: 64 Resp: 10467
Ion Ratio Lower Upper
64 100
66 23.5 26.0 39.0#

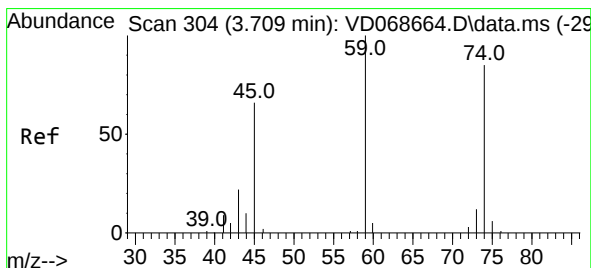
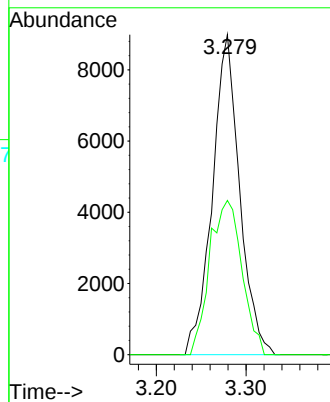
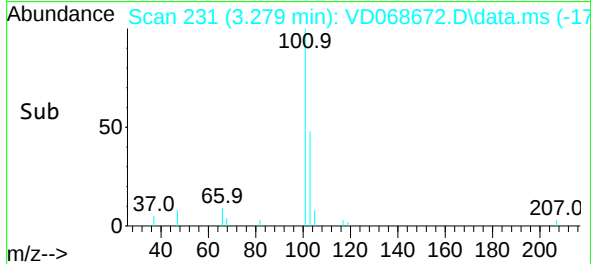




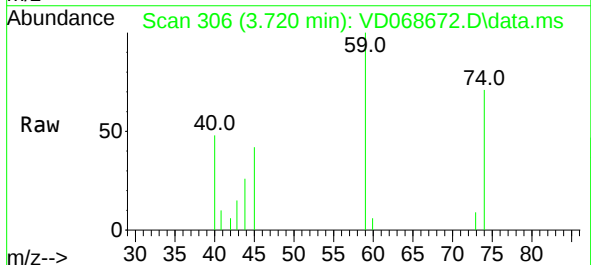
#7
Trichlorofluoromethane
Concen: 4.75 ug/l
RT: 3.279 min Scan# 231
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



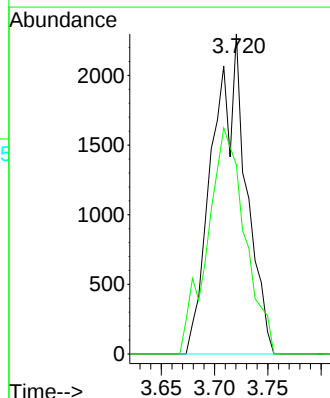
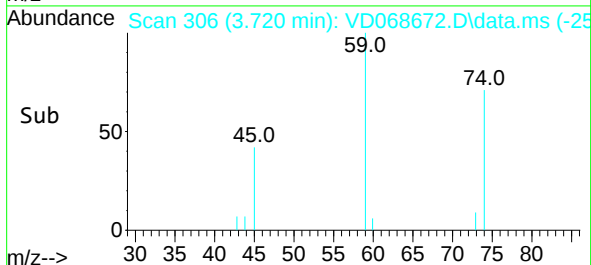
Tgt Ion:101 Resp: 18988
Ion Ratio Lower Upper
101 100
103 48.2 53.4 80.2#



#8
Diethyl Ether
Concen: 4.55 ug/l
RT: 3.720 min Scan# 306
Delta R.T. 0.012 min
Lab File: VD068672.D
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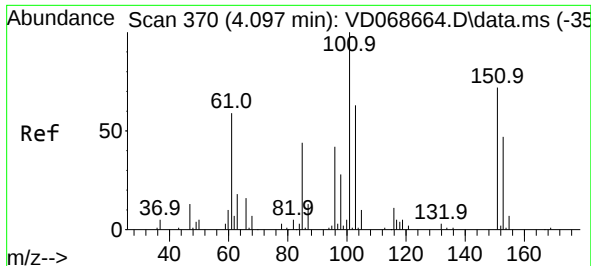
Tgt Ion: 74 Resp: 5032
Ion Ratio Lower Upper
74 100
45 79.3 40.5 121.5



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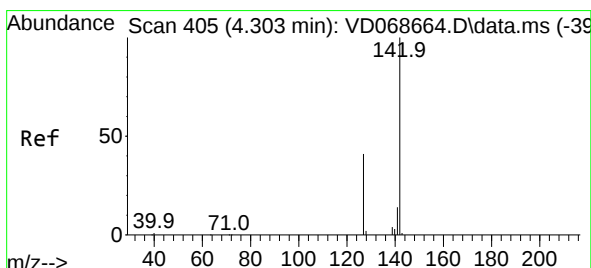
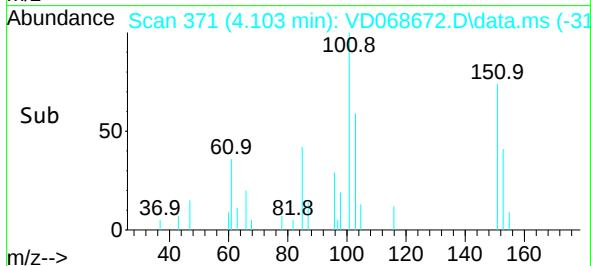
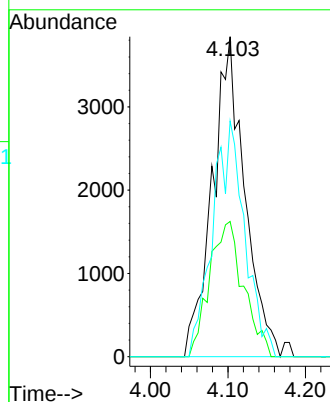
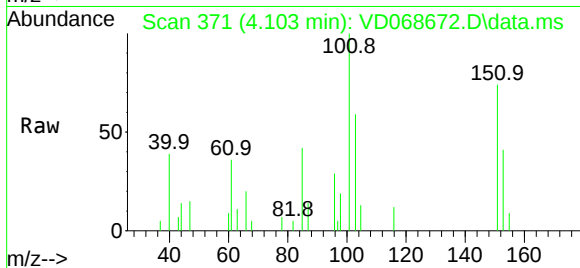
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.65 ug/l
RT: 4.103 min Scan# 371
Delta R.T. 0.006 min
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Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.6	33.8	50.6
151	73.4	59.4	89.2

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

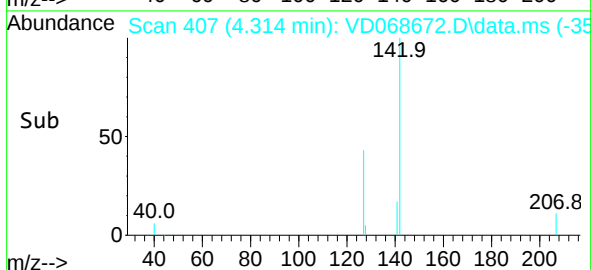
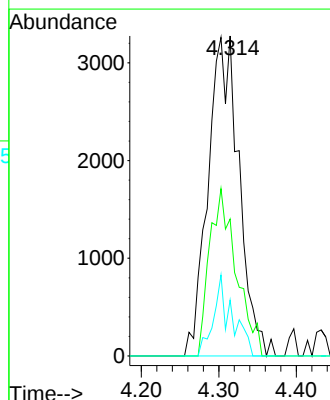
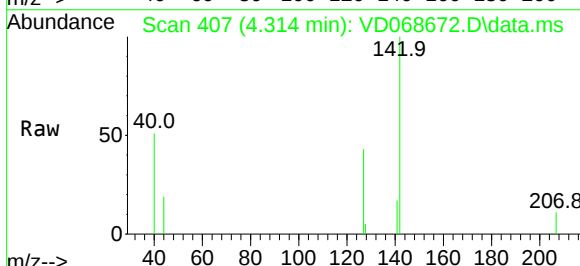
Manual Integrations
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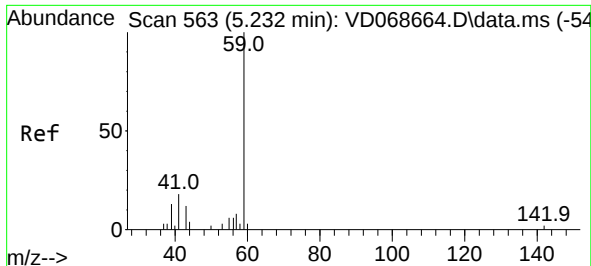
MMDadoda
3/22/2021 11:37:11 AM



#10
Methyl Iodide
Concen: 3.69 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

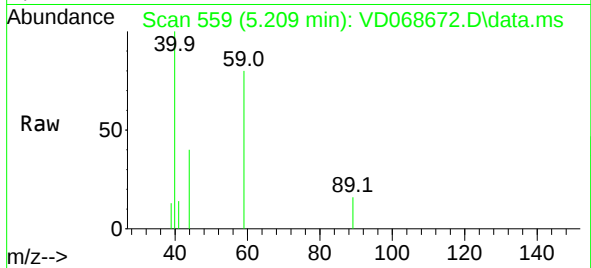
Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.3	34.7	52.1
141	15.1	11.0	16.4





#11
Tert butyl alcohol
Concen: 25.82 ug/l m
RT: 5.209 min Scan# 559
Delta R.T. -0.024 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

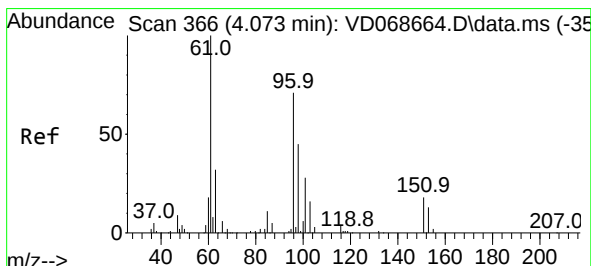
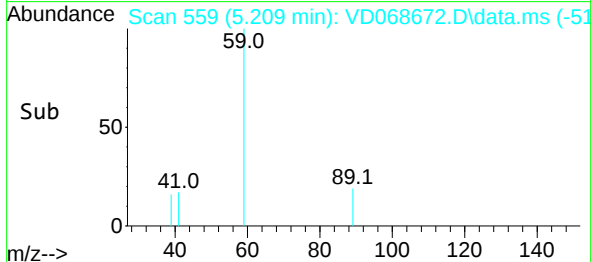
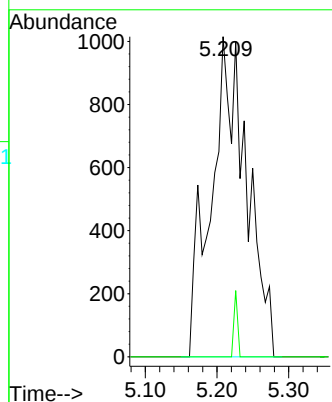
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



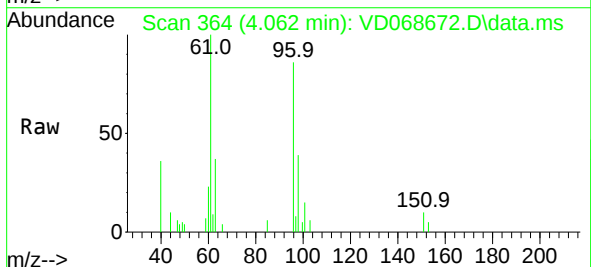
Tgt Ion: 59 Resp: 3533
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

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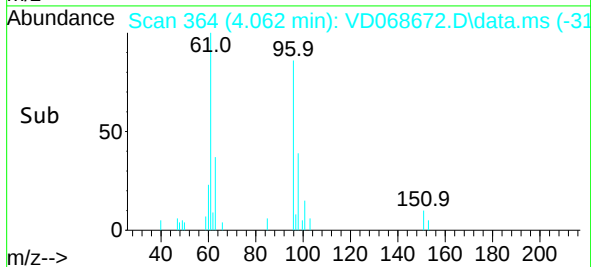
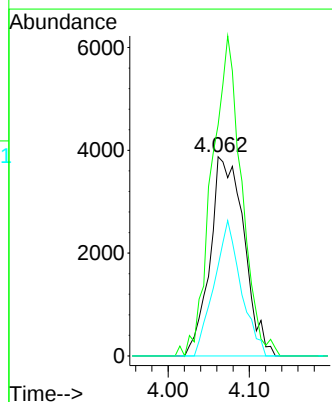
MMDadoda
3/22/2021 11:37:11 AM

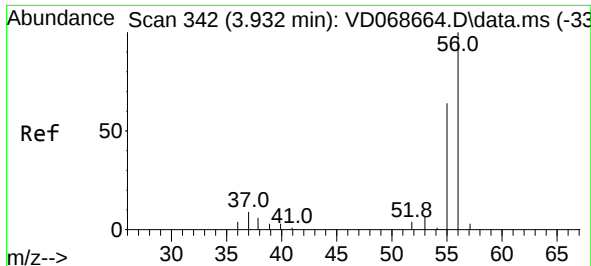


#12
1,1-Dichloroethene
Concen: 4.83 ug/l
RT: 4.062 min Scan# 364
Delta R.T. -0.012 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

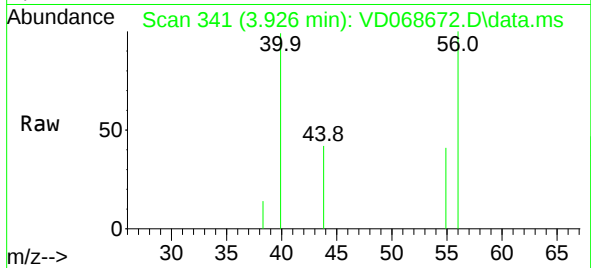


Tgt Ion: 96 Resp: 11233
Ion Ratio Lower Upper
96 100
61 115.9 112.2 168.2
98 45.2 50.2 75.2#

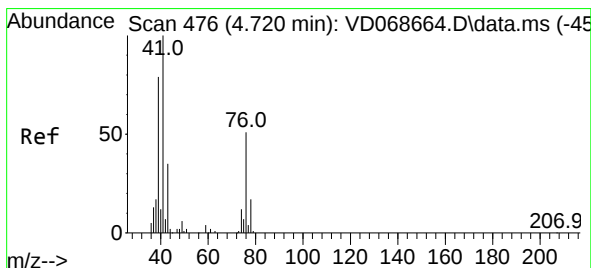
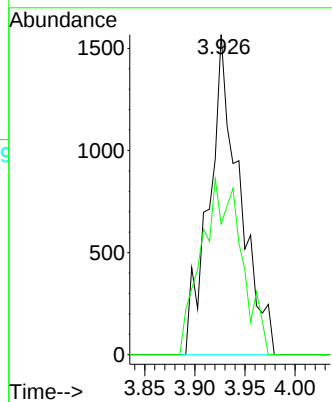
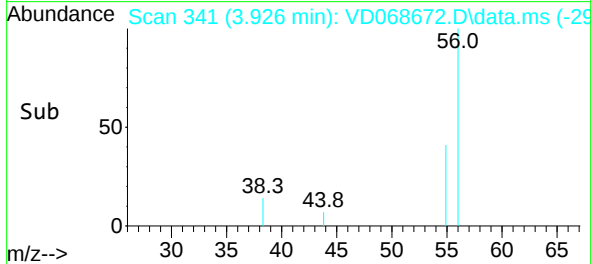




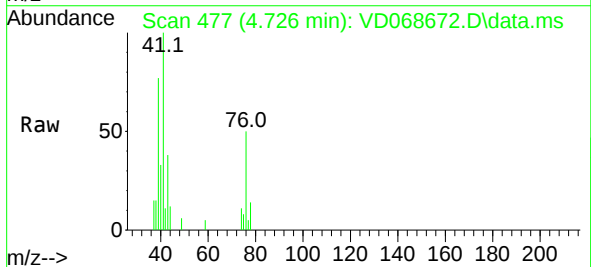
#13
Acrolein
Concen: 26.50 ug/l
RT: 3.926 min Scan# 341
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



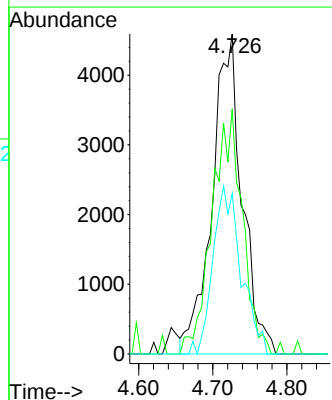
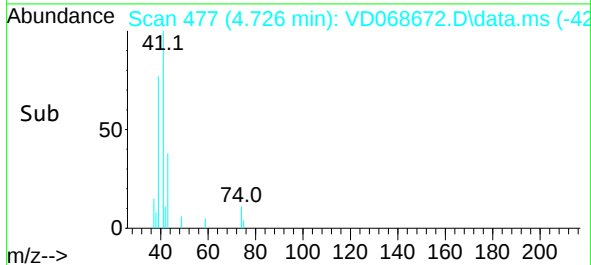
Tgt Ion: 56 Resp: 3312
Ion Ratio Lower Upper
56 100
55 72.1 54.7 82.1



#14
Allyl chloride
Concen: 4.56 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



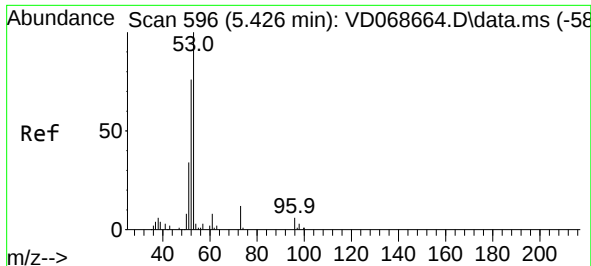
Tgt Ion: 41 Resp: 12883
Ion Ratio Lower Upper
41 100
39 77.5 60.6 91.0
76 49.4 40.4 60.6



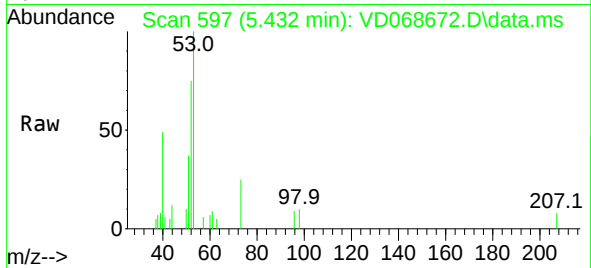
Instrument :
MSVOA_D
ClientSampleId :
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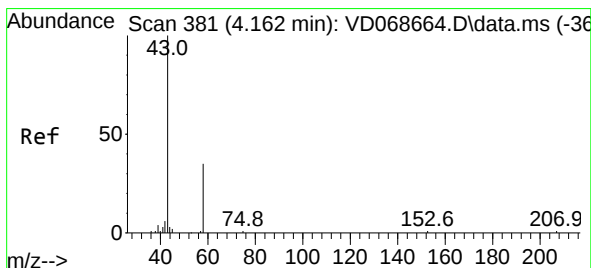
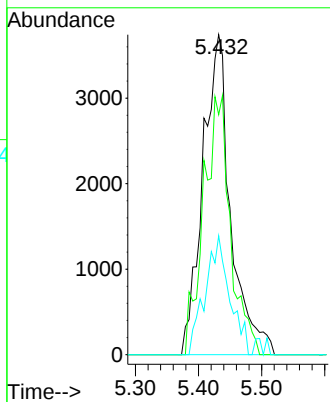
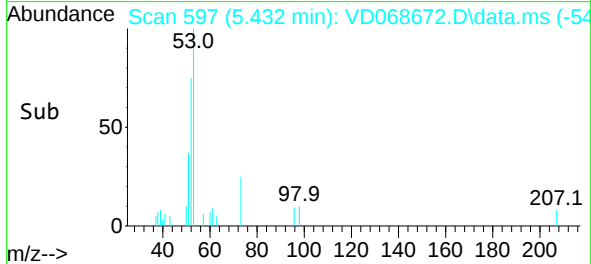
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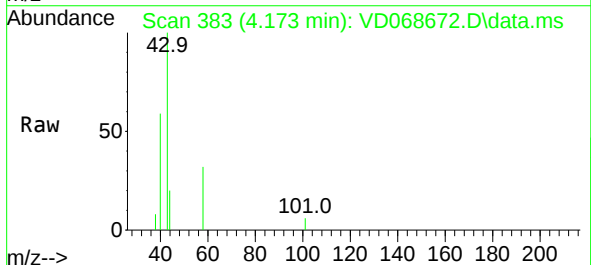
#15
Acrylonitrile
Concen: 21.28 ug/l
RT: 5.432 min Scan# 597
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



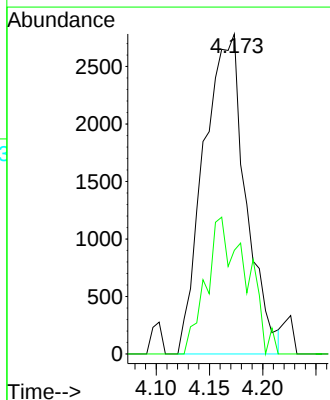
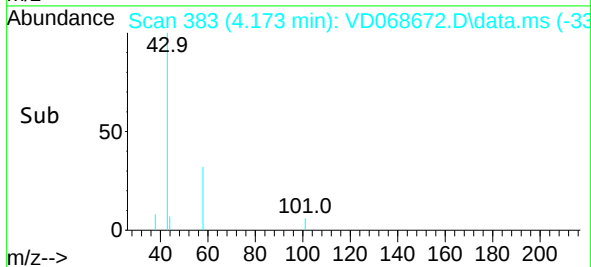
Tgt Ion:	53	Resp:	11447
Ion	Ratio	Lower	Upper
53	100		
52	78.3	63.3	94.9
51	32.7	28.3	42.5



#16
Acetone
Concen: 21.21 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



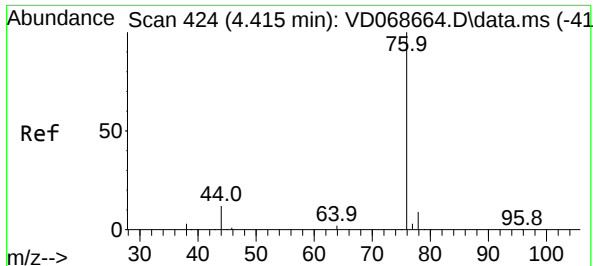
Tgt Ion:	43	Resp:	7642
Ion	Ratio	Lower	Upper
43	100		
58	32.4	28.0	42.0



Instrument :
MSVOA_D
ClientSampleId :
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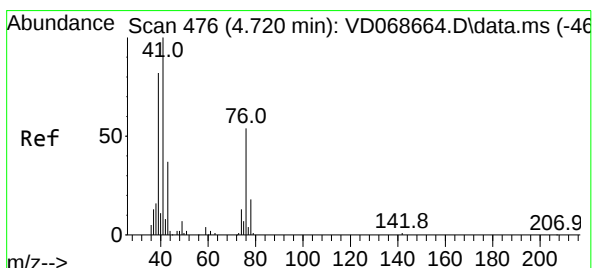
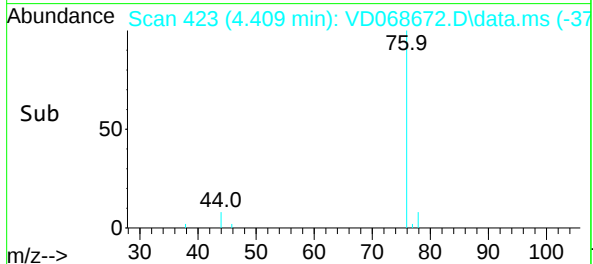
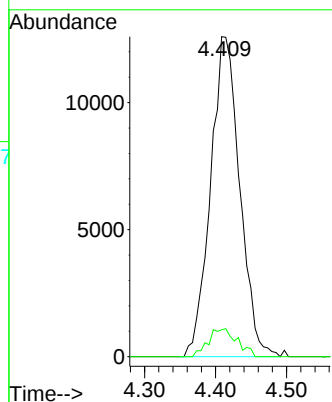
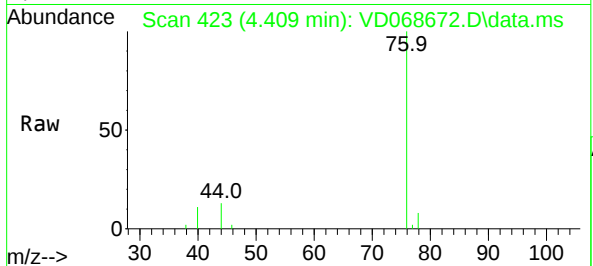
#17
Carbon Disulfide
Concen: 4.81 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 76 Resp: 35976
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9

Instrument :
MSVOA_D
ClientSampleId :
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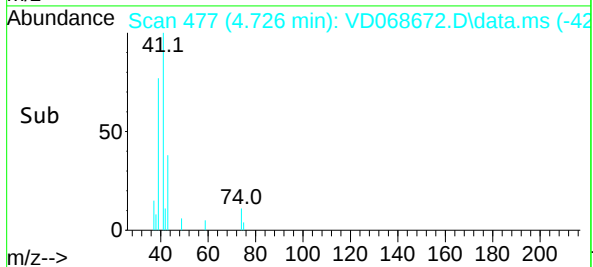
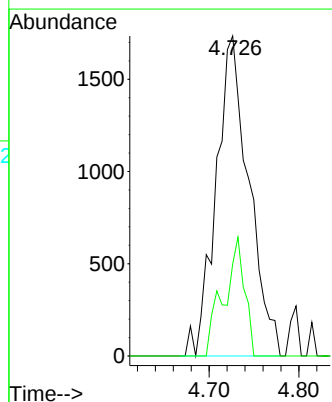
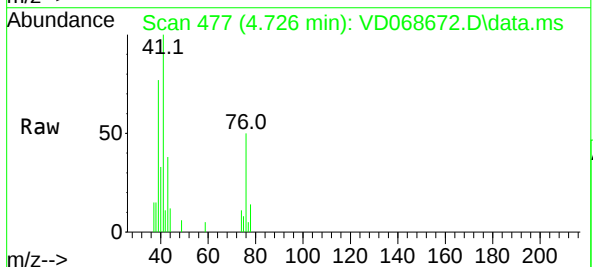
Manual Integrations
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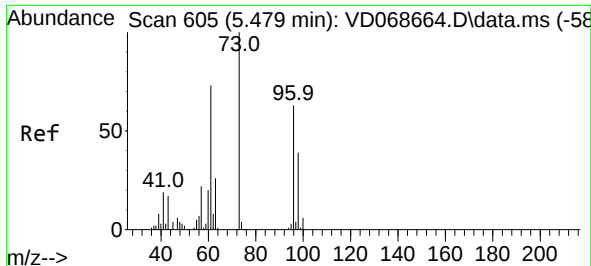
MMDadoda
3/22/2021 11:37:11 AM



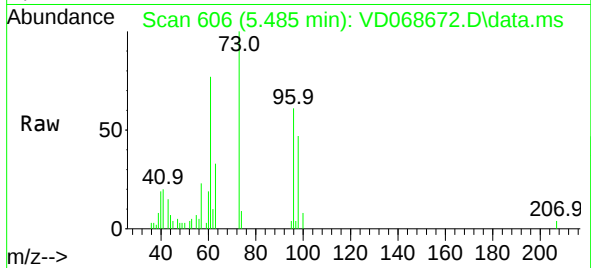
#18
Methyl Acetate
Concen: 4.45 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 43 Resp: 4409
Ion Ratio Lower Upper
43 100
74 23.4 25.4 38.2#

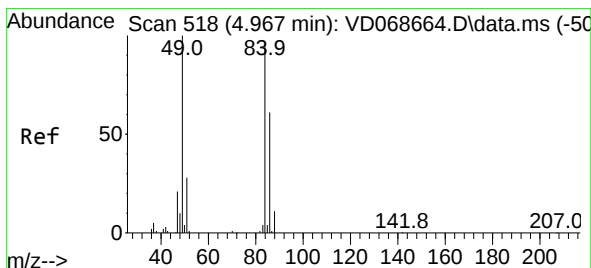
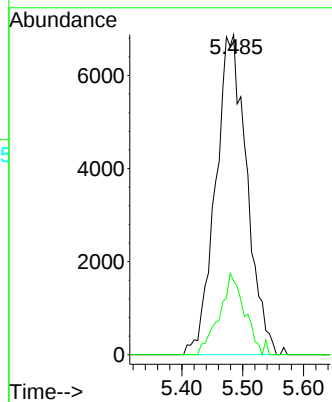
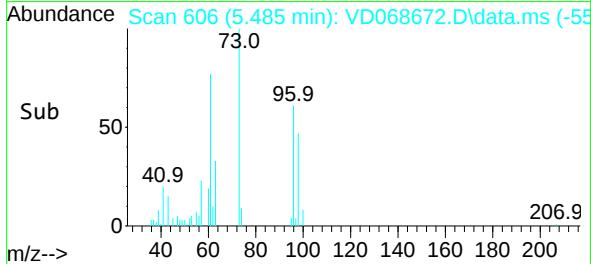




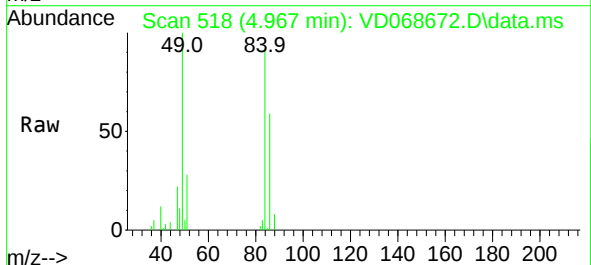
#19
Methyl tert-butyl Ether
Concen: 4.18 ug/l
RT: 5.485 min Scan# 606
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



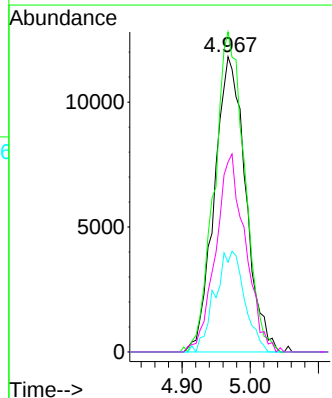
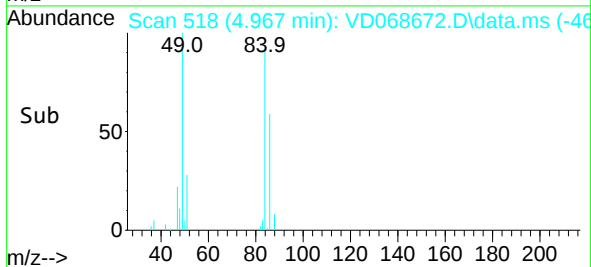
Tgt Ion: 73 Resp: 24483
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9



#20
Methylene Chloride
Concen: 9.59 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



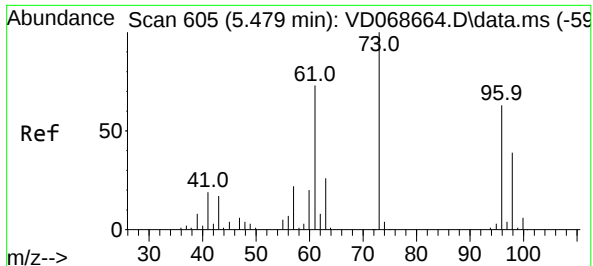
Tgt Ion: 84 Resp: 37593
Ion Ratio Lower Upper
84 100
49 108.4 83.4 125.0
51 30.4 23.4 35.2
86 64.3 51.0 76.4



Instrument :
MSVOA_D
ClientSampleId :
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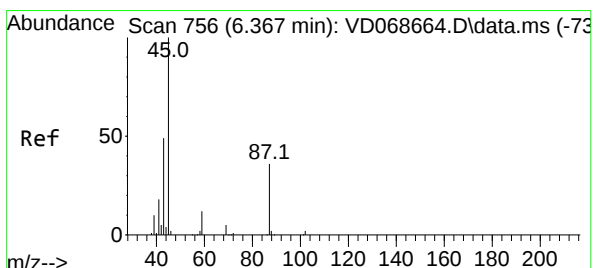
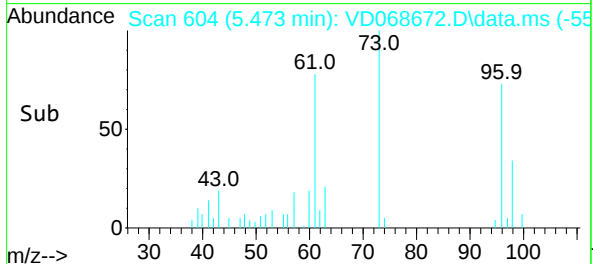
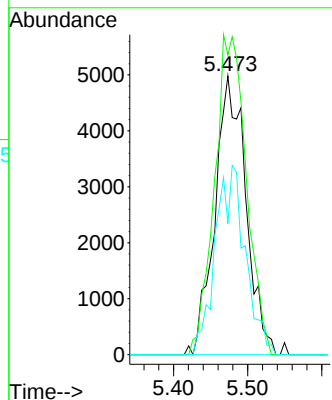
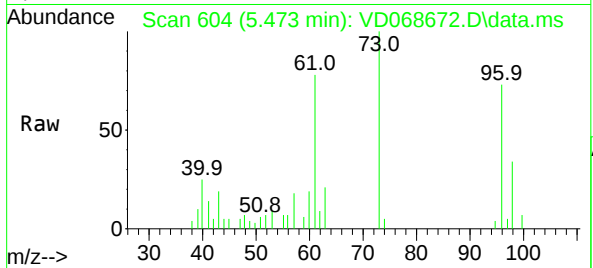
#21
trans-1,2-Dichloroethene
Concen: 4.47 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 96 Resp: 14449
Ion Ratio Lower Upper
96 100
61 107.5 91.8 137.6
98 47.0 49.3 73.9#

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

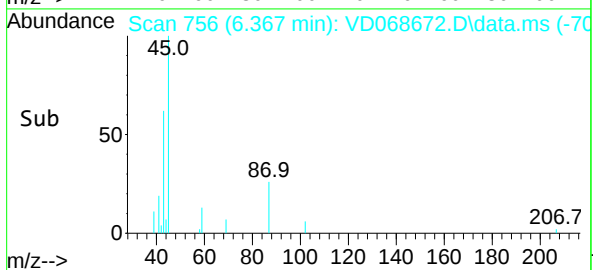
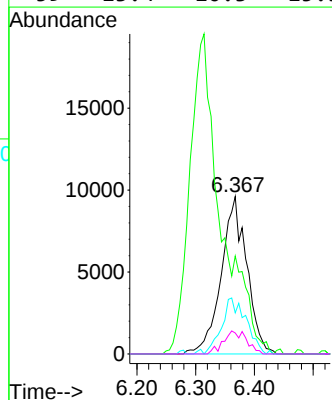
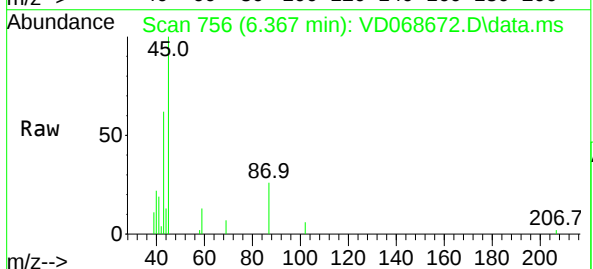
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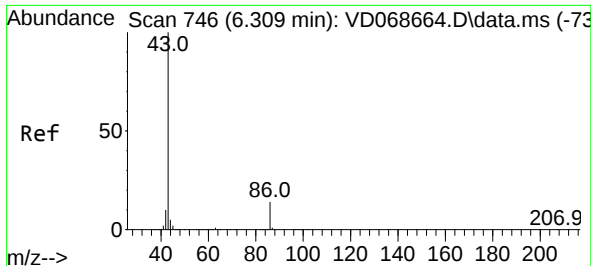
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#22
Diisopropyl ether
Concen: 4.04 ug/l
RT: 6.367 min Scan# 756
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

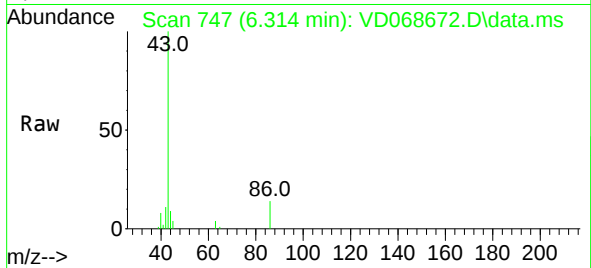
Tgt Ion: 45 Resp: 29052
Ion Ratio Lower Upper
45 100
43 59.0 41.8 62.8
87 26.1 29.2 43.8#
59 13.4 10.3 15.5





#23
 Vinyl Acetate
 Concen: 18.79 ug/l m
 RT: 6.314 min Scan# 747
 Delta R.T. 0.006 min
 Lab File: VD068672.D
 Acq: 19 Mar 2021 20:06

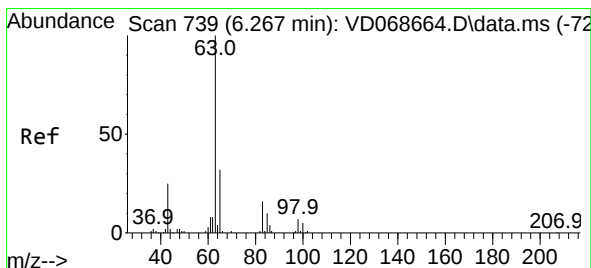
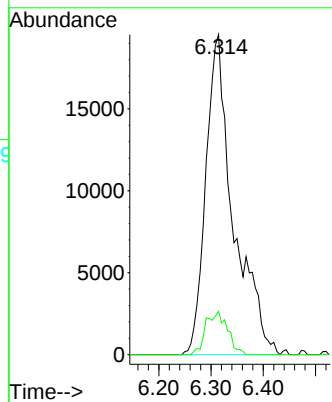
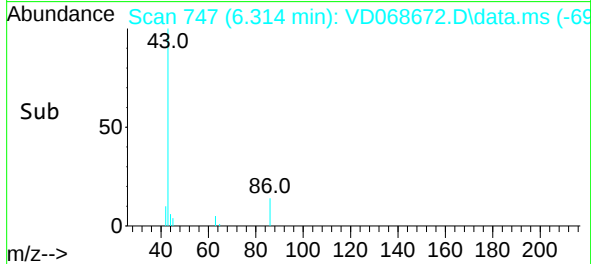
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2021



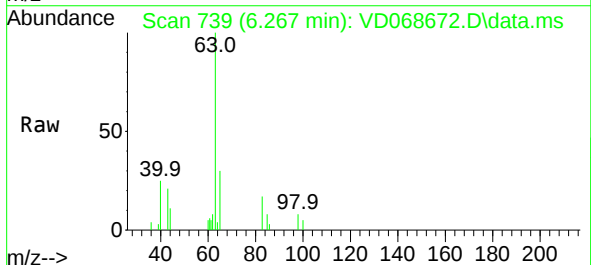
Tgt Ion: 43 Resp: 71760
 Ion Ratio Lower Upper
 43 100
 86 13.5 11.0 16.6

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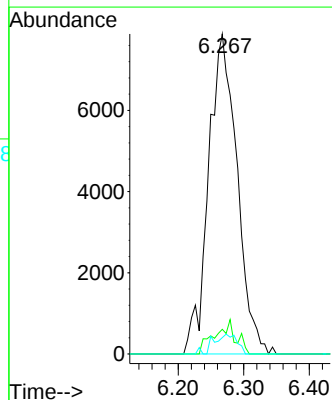
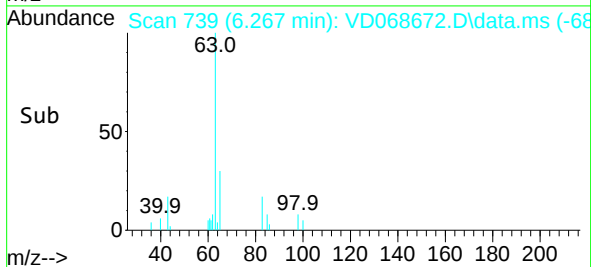
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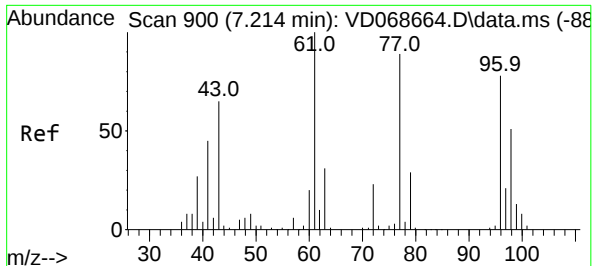


#24
 1,1-Dichloroethane
 Concen: 4.53 ug/l
 RT: 6.267 min Scan# 739
 Delta R.T. -0.000 min
 Lab File: VD068672.D
 Acq: 19 Mar 2021 20:06



Tgt Ion: 63 Resp: 23856
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.8 11.2
 100 5.1 2.3 6.9





#25

2-Butanone

Concen: 20.99 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.012 min

Lab File: VD068672.D

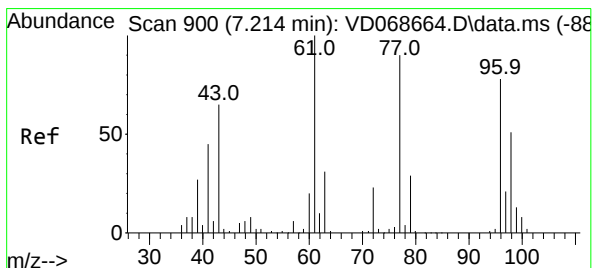
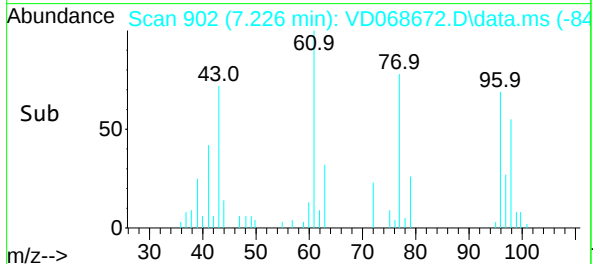
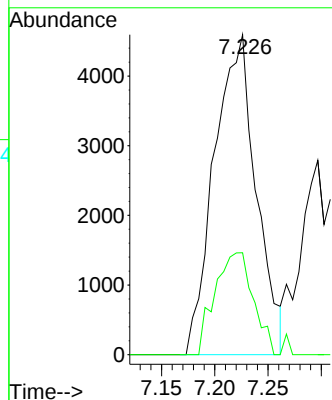
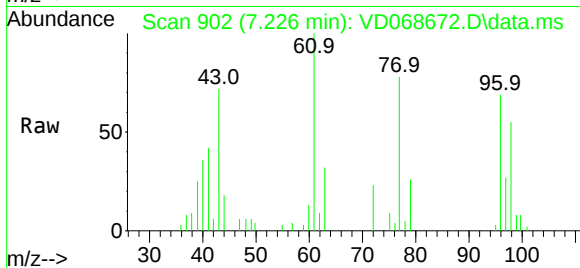
Acq: 19 Mar 2021 20:06

Tgt Ion: 43 Resp: 12530

Ion Ratio Lower Upper

43 100

72 31.9 28.6 43.0



#26

2,2-Dichloropropane

Concen: 4.17 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.000 min

Lab File: VD068672.D

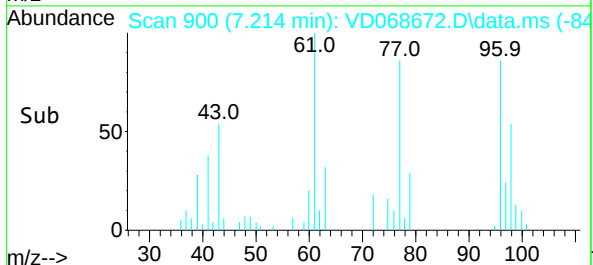
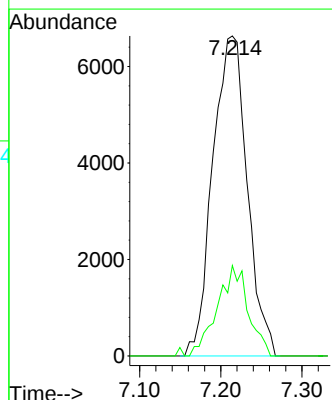
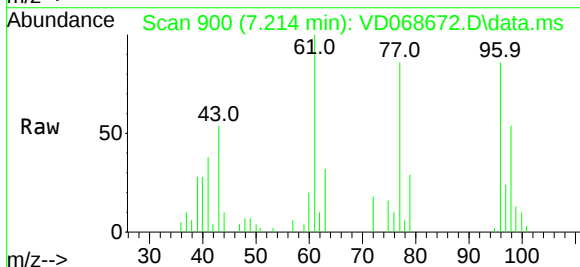
Acq: 19 Mar 2021 20:06

Tgt Ion: 77 Resp: 19543

Ion Ratio Lower Upper

77 100

97 25.3 12.0 36.1



Instrument :

MSVOA_D

ClientSampleId :

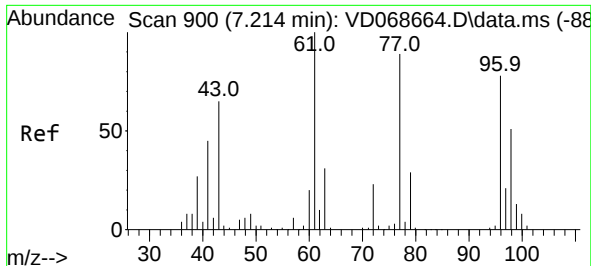
MDL-SOIL-03-QT1-2021

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#27

cis-1,2-Dichloroethene

Concen: 4.59 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.000 min

Lab File: VD068672.D

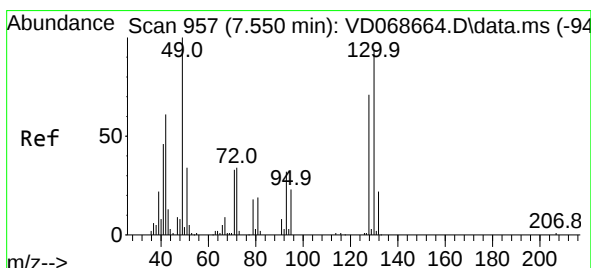
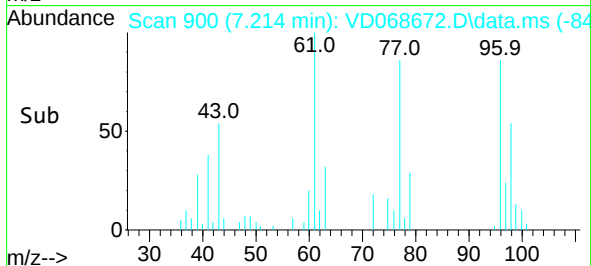
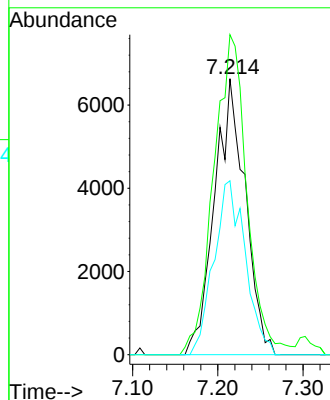
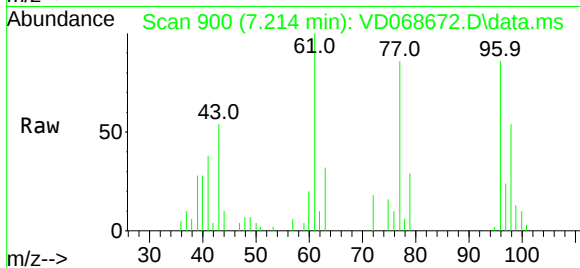
Acq: 19 Mar 2021 20:06

Tgt Ion:	96	Resp:	16563
Ion	Ratio	Lower	Upper
96	100		
61	125.9	0.0	258.8
98	65.0	0.0	128.4

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

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#28

Bromochloromethane

Concen: 4.50 ug/l

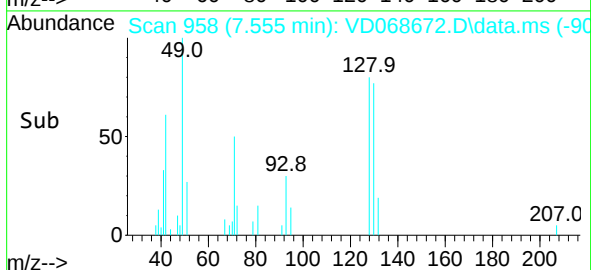
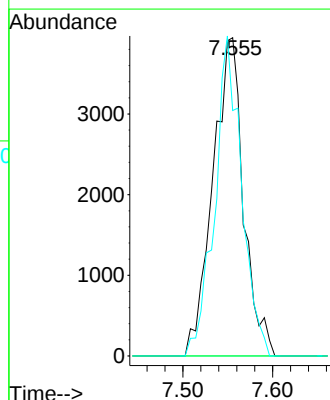
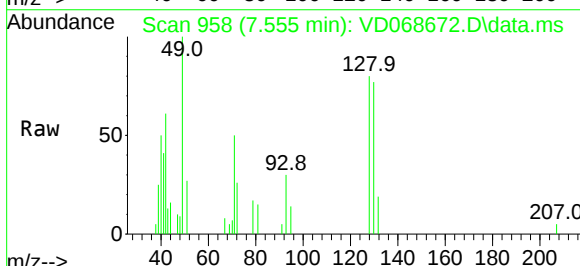
RT: 7.555 min Scan# 958

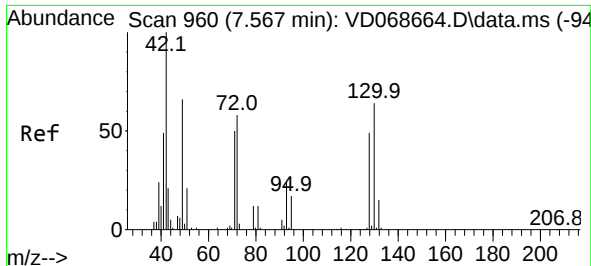
Delta R.T. 0.006 min

Lab File: VD068672.D

Acq: 19 Mar 2021 20:06

Tgt Ion:	49	Resp:	9372
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	87.7	74.6	112.0





#29

Tetrahydrofuran

Concen: 20.22 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.006 min

Lab File: VD068672.D

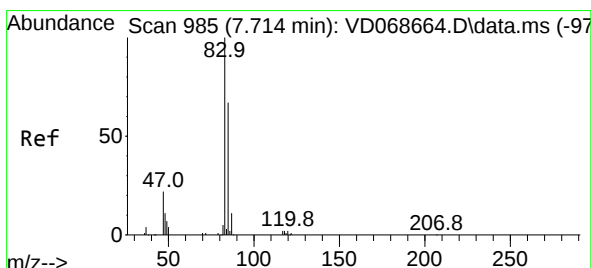
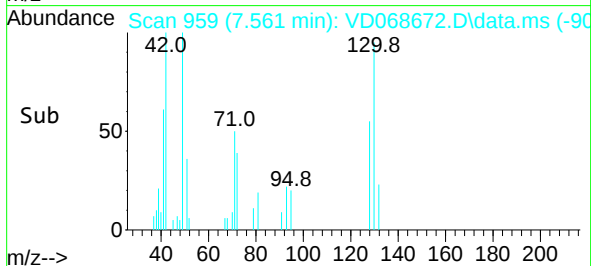
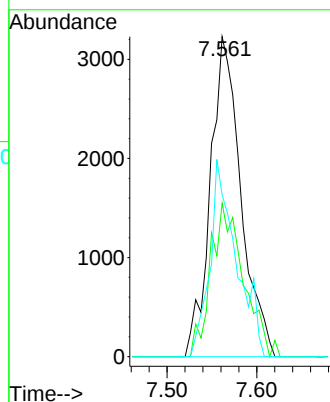
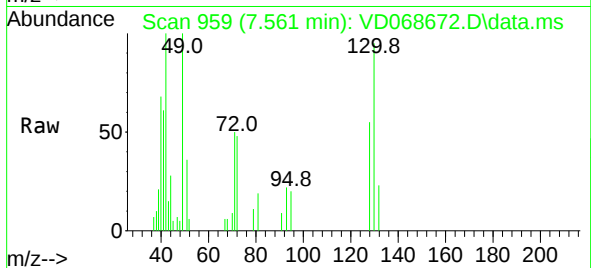
Acq: 19 Mar 2021 20:06

Tgt Ion:	42	Resp:	7630
Ion	Ratio	Lower	Upper
42	100		
72	51.8	45.2	67.8
71	53.4	40.8	61.2

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
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#30

Chloroform

Concen: 4.47 ug/l

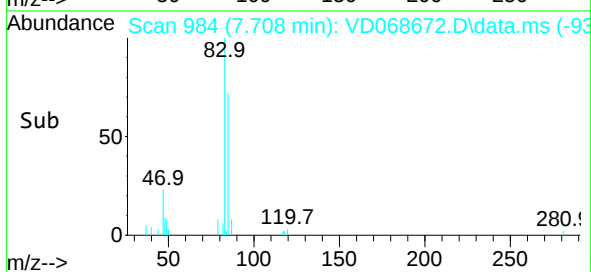
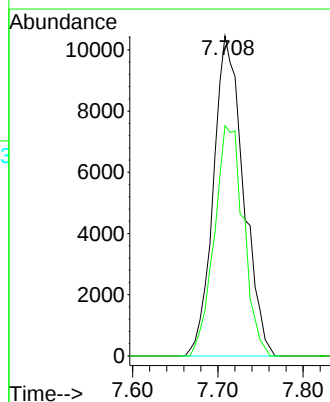
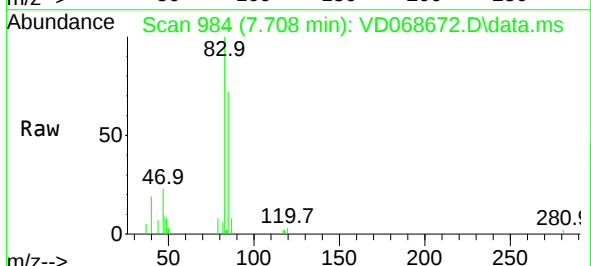
RT: 7.708 min Scan# 984

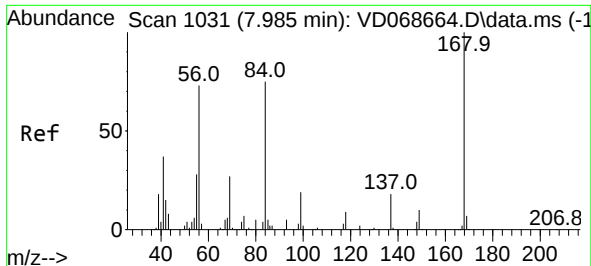
Delta R.T. -0.006 min

Lab File: VD068672.D

Acq: 19 Mar 2021 20:06

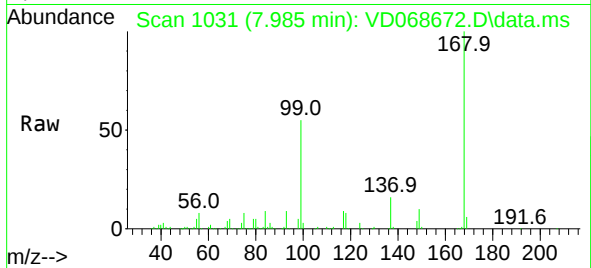
Tgt Ion:	83	Resp:	25618
Ion	Ratio	Lower	Upper
83	100		
85	71.9	53.3	79.9





#31
Cyclohexane
Concen: 5.17 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

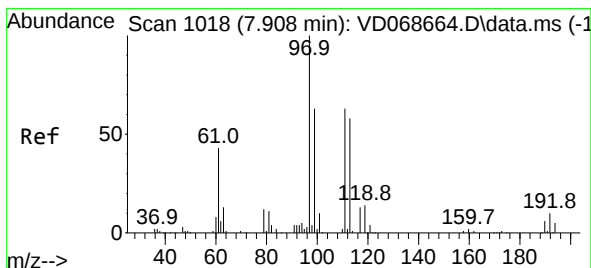
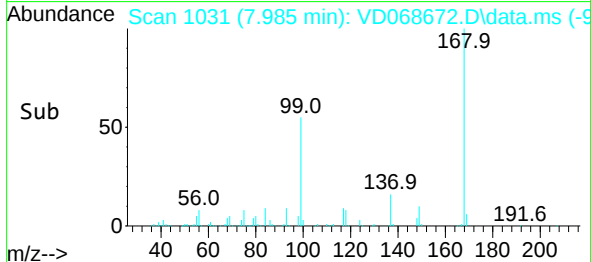
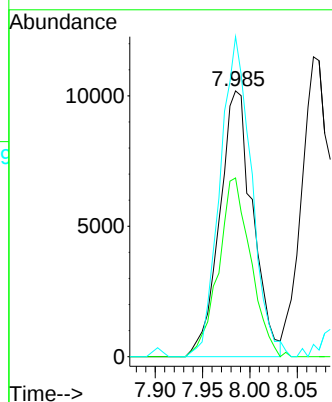
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



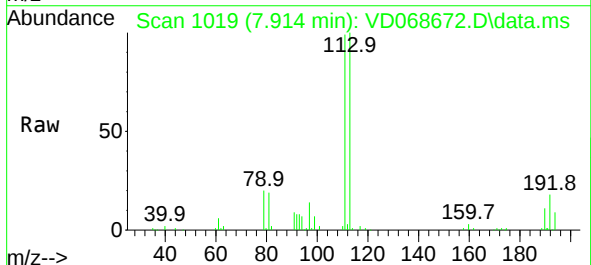
Tgt Ion: 56 Resp: 24780
Ion Ratio Lower Upper
56 100
69 67.2 30.0 45.0#
84 120.4 82.0 123.0

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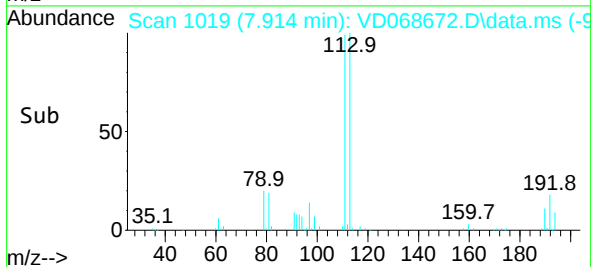
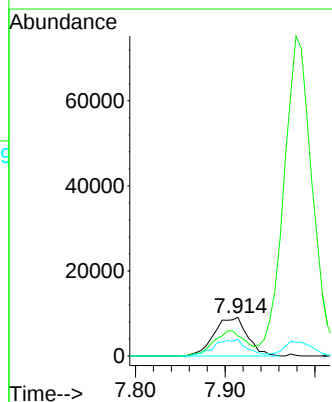
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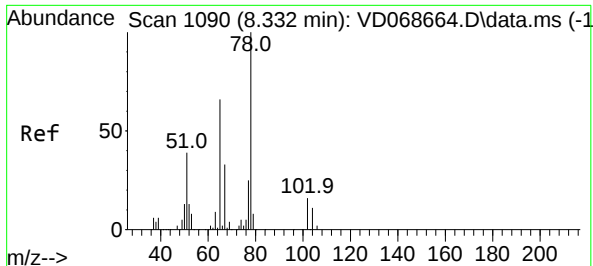


#32
1,1,1-Trichloroethane
Concen: 4.55 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



Tgt Ion: 97 Resp: 23278
Ion Ratio Lower Upper
97 100
99 61.7 50.8 76.2
61 41.3 33.7 50.5





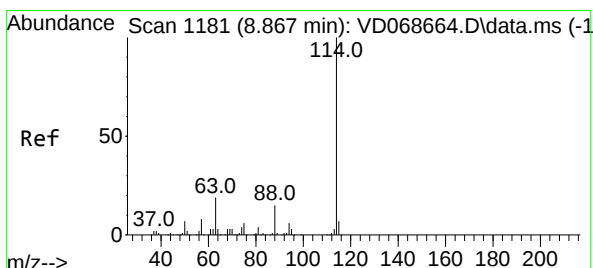
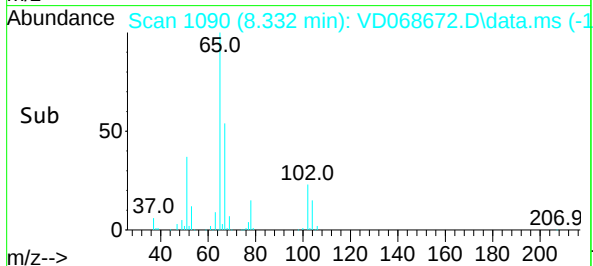
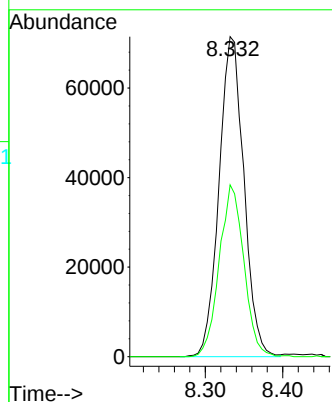
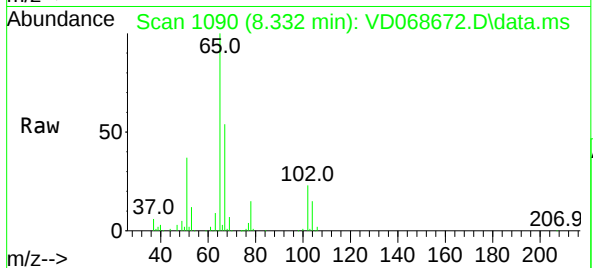
#33
1,2-Dichloroethane-d4
Concen: 53.70 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 65 Resp: 159456
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0

Instrument :
MSVOA_D
ClientSampleId :
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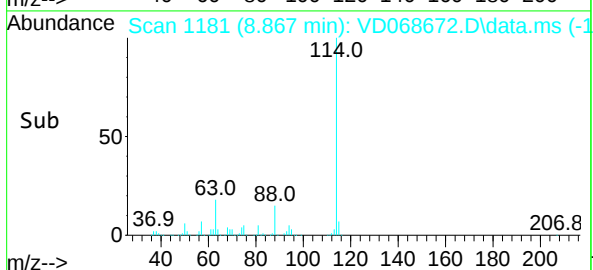
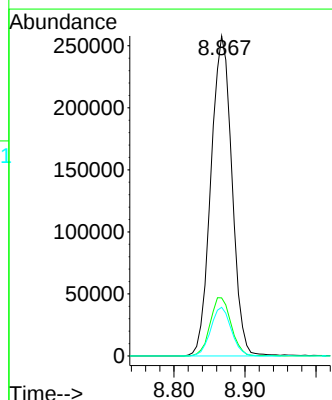
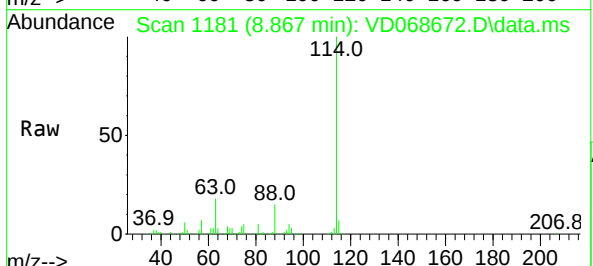
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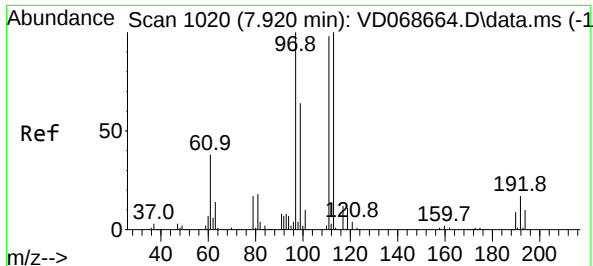
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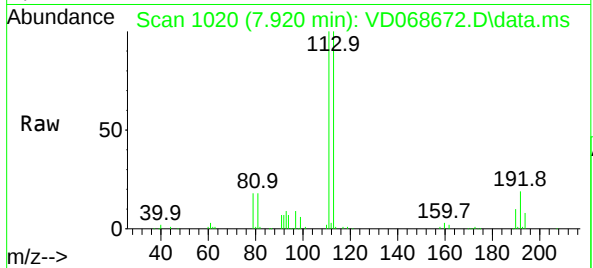
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 114 Resp: 529344
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.2
88 15.2 0.0 29.4

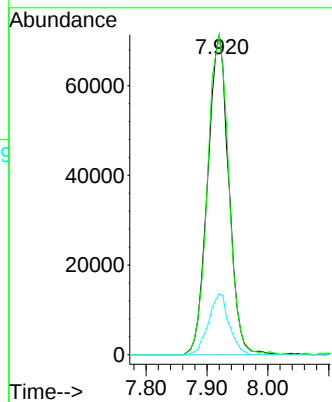
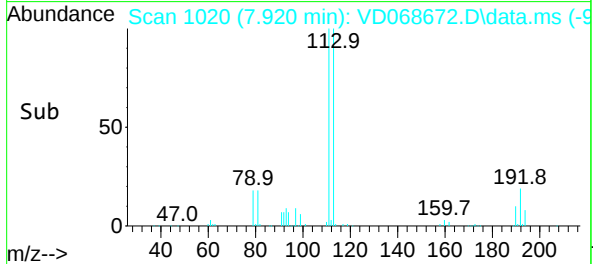




#35
Dibromofluoromethane
Concen: 52.04 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



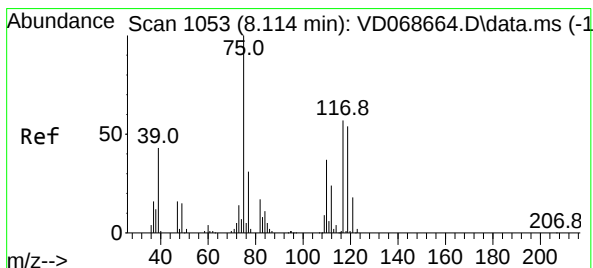
Tgt Ion:113 Resp: 171400
Ion Ratio Lower Upper
113 100
111 100.6 82.5 123.7
192 18.5 15.1 22.7



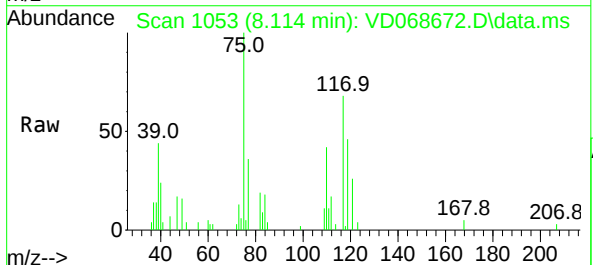
Instrument :
MSVOA_D
ClientSampleId :
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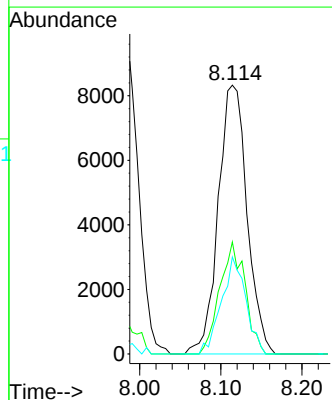
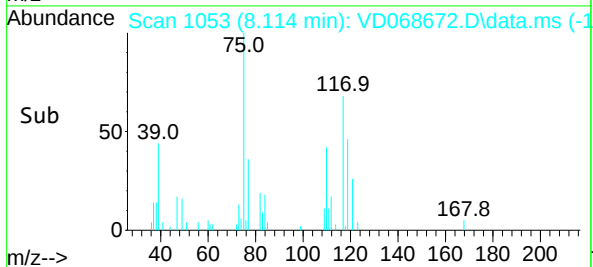
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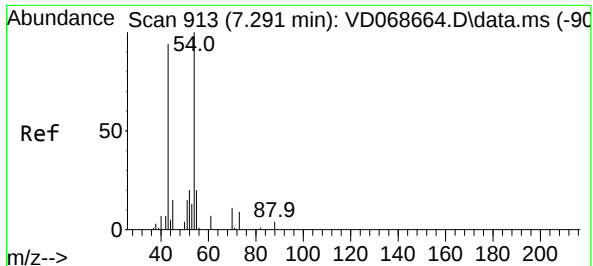


#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 8.114 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



Tgt Ion: 75 Resp: 20552
Ion Ratio Lower Upper
75 100
110 36.6 18.1 54.4
77 30.4 24.7 37.1





#37

Ethyl Acetate

Concen: 4.40 ug/l

RT: 7.297 min Scan# 914

Delta R.T. 0.006 min

Lab File: VD068672.D

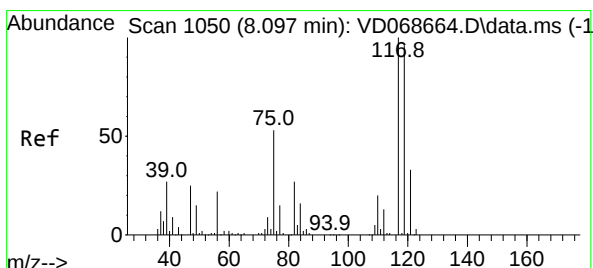
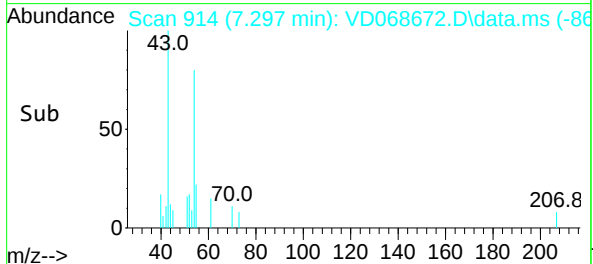
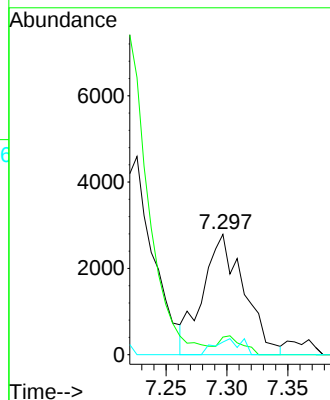
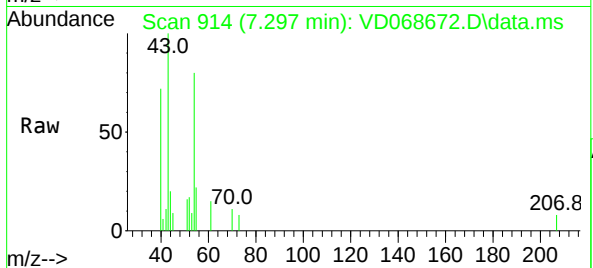
Acq: 19 Mar 2021 20:06

Tgt Ion:	43	Resp:	6563
Ion Ratio	Lower	Upper	
43	100		
61	0.0	14.2	21.4#
70	8.8	9.4	14.0#

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

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#38

Carbon Tetrachloride

Concen: 3.99 ug/l

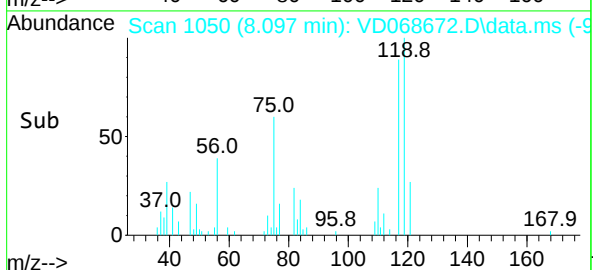
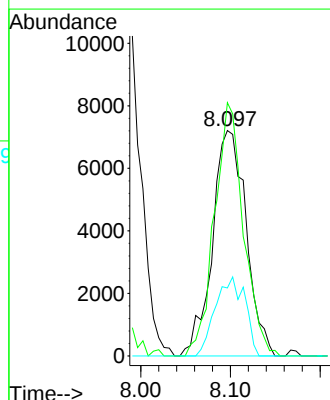
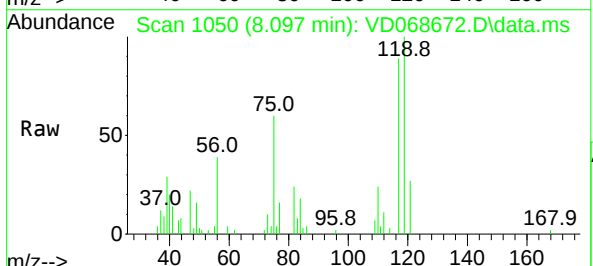
RT: 8.097 min Scan# 1050

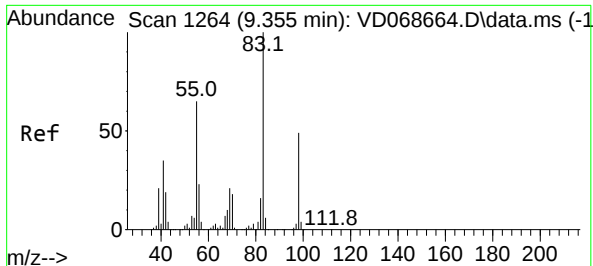
Delta R.T. -0.000 min

Lab File: VD068672.D

Acq: 19 Mar 2021 20:06

Tgt Ion:	117	Resp:	18835
Ion Ratio	Lower	Upper	
117	100		
119	112.3	76.6	115.0
121	30.1	26.1	39.1





#39

Methylcyclohexane

Concen: 4.03 ug/l

RT: 9.361 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VD068672.D

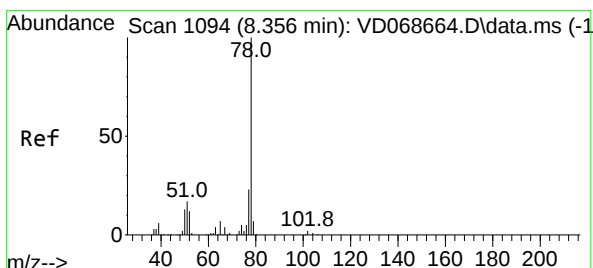
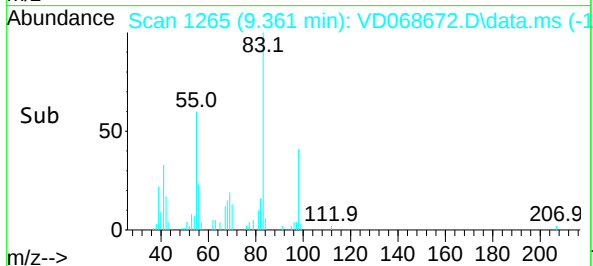
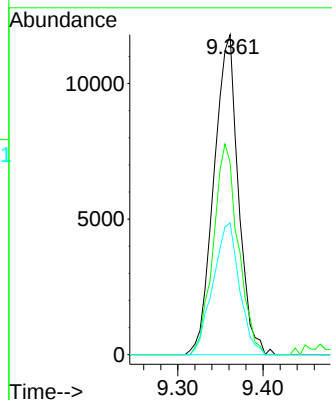
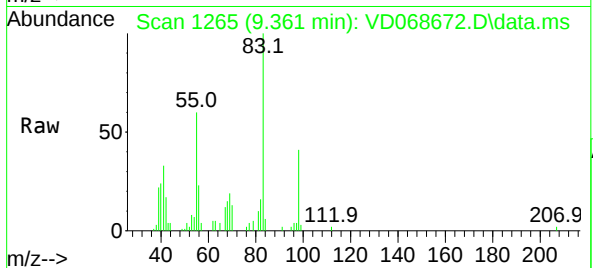
Acq: 19 Mar 2021 20:06

Tgt Ion:	83	Resp:	23518
Ion	Ratio	Lower	Upper
83	100		
55	60.1	51.7	77.5
98	41.2	38.8	58.2

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

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#40

Benzene

Concen: 4.30 ug/l

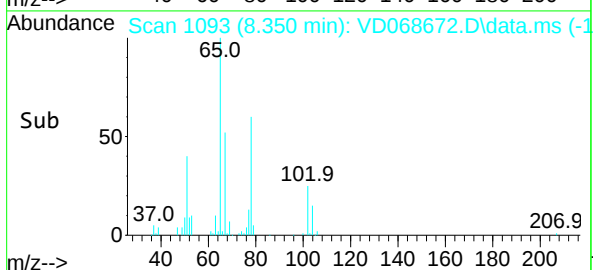
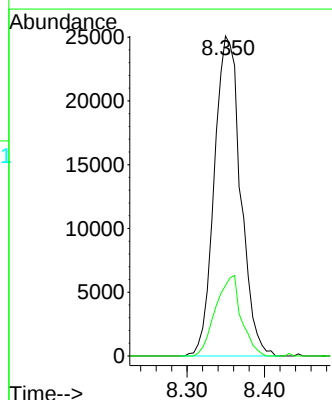
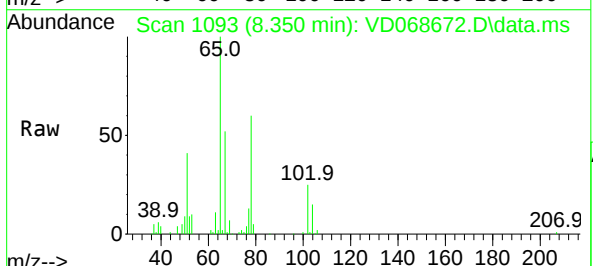
RT: 8.350 min Scan# 1093

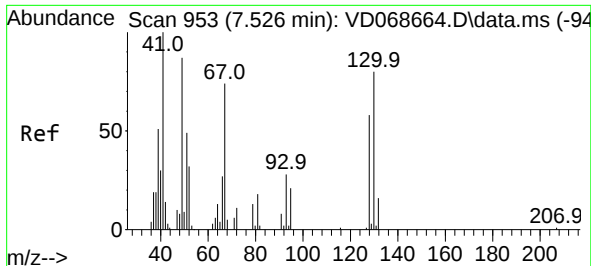
Delta R.T. -0.006 min

Lab File: VD068672.D

Acq: 19 Mar 2021 20:06

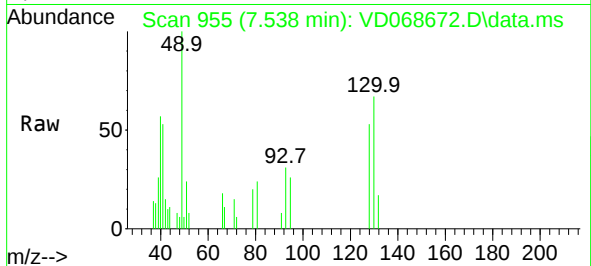
Tgt Ion:	78	Resp:	59309
Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.2	27.2





#41
Methacrylonitrile
Concen: 3.36 ug/l
RT: 7.538 min Scan# 955
Delta R.T. 0.012 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

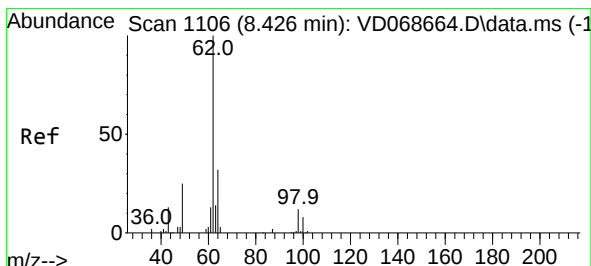
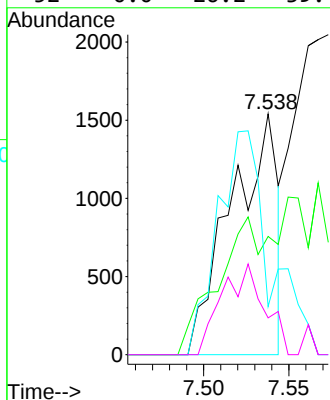
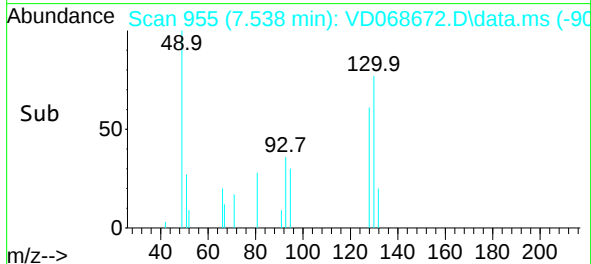
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



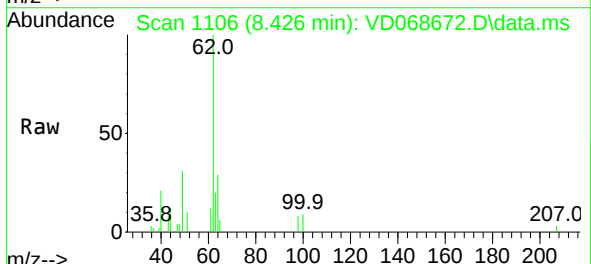
Tgt Ion: 41 Resp: 2936
Ion Ratio Lower Upper
41 100
39 10.4 43.2 64.8#
67 0.0 63.9 95.9#
52 0.0 26.2 39.4#

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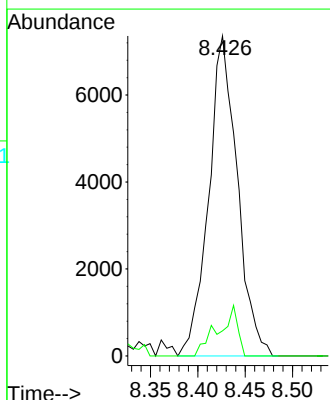
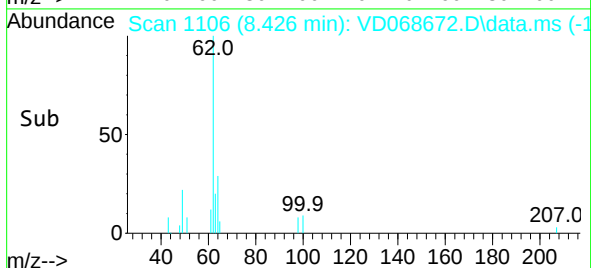
MMDadoda
3/22/2021 11:37:11 AM

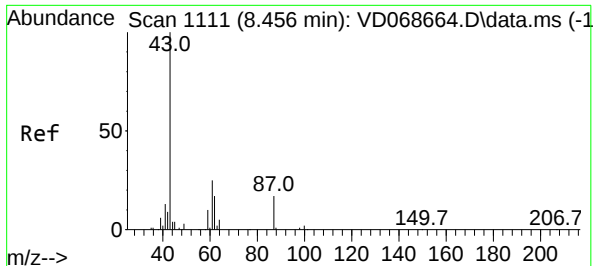


#42
1,2-Dichloroethane
Concen: 4.30 ug/l
RT: 8.426 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



Tgt Ion: 62 Resp: 15505
Ion Ratio Lower Upper
62 100
98 10.7 0.0 22.6

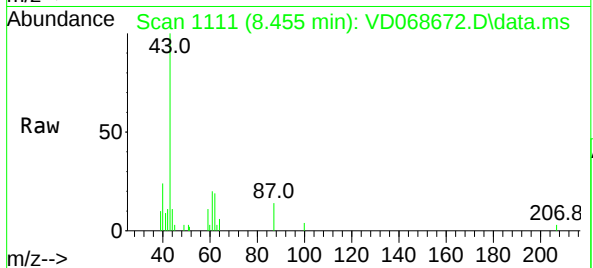




#43

Isopropyl Acetate
Concen: 3.99 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

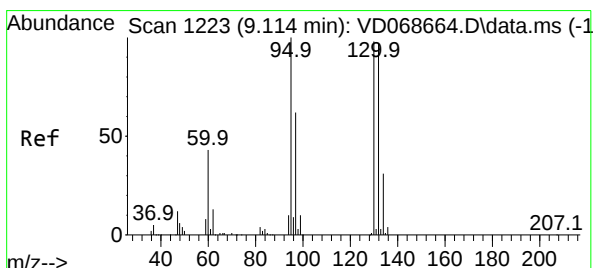
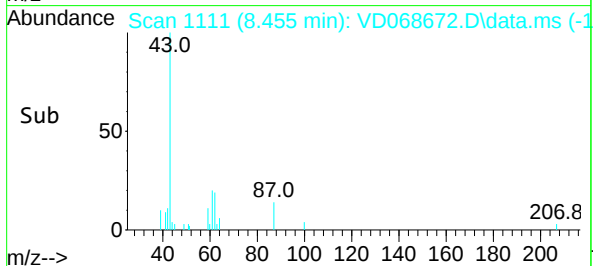
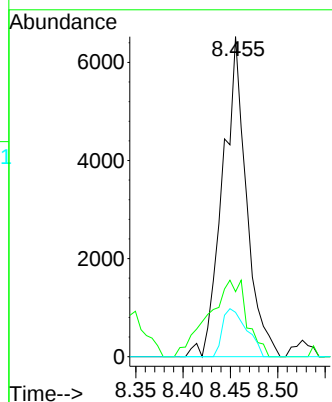
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



Tgt Ion: 43	Resp: 11412
Ion Ratio	Lower Upper
43 100	
61 38.5	29.5 44.3
87 15.2	13.5 20.3

Manual Integrations
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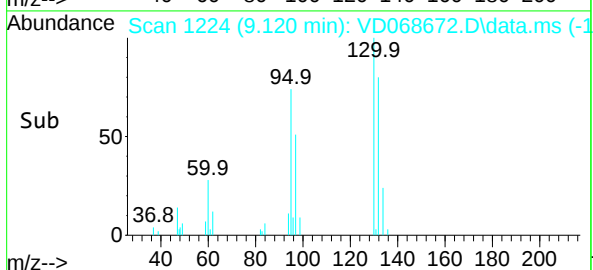
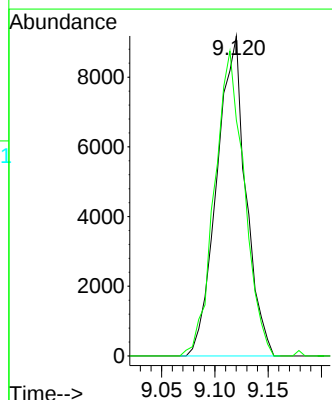
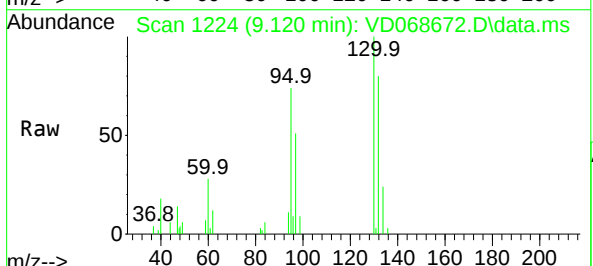
MMDadoda
3/22/2021 11:37:11 AM

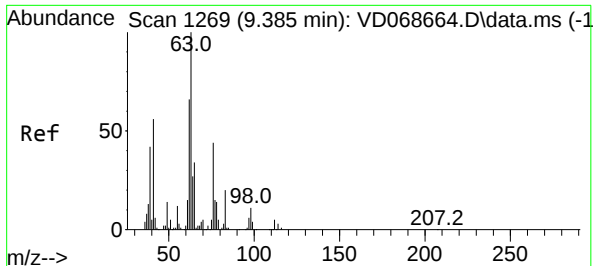


#44

Trichloroethene
Concen: 4.54 ug/l
RT: 9.120 min Scan# 1224
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:130	Resp:	17363	
Ion	Ratio	Lower	Upper
130	100		
95	73.7	0.0	203.8





#45

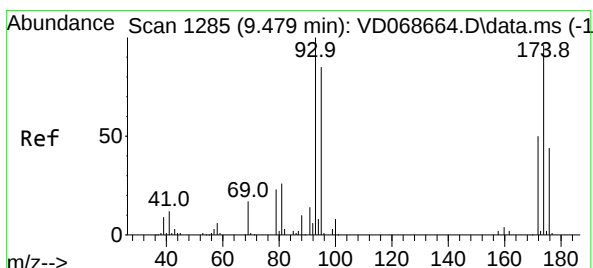
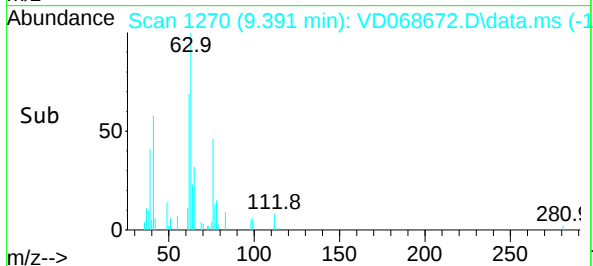
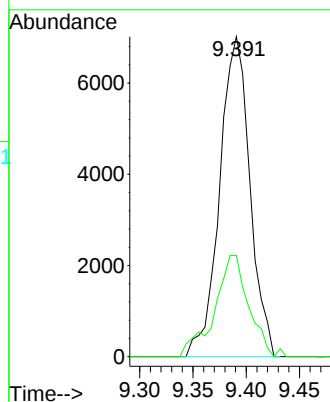
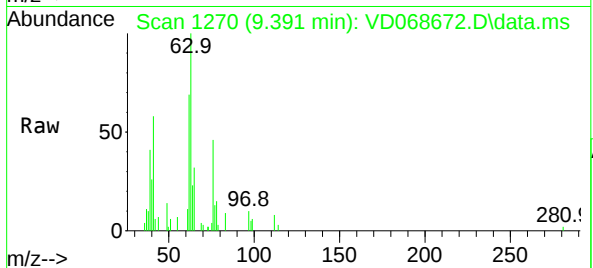
1,2-Dichloropropane
Concen: 4.20 ug/l
RT: 9.391 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 63 Resp: 13847
Ion Ratio Lower Upper
63 100
65 31.7 27.0 40.4

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
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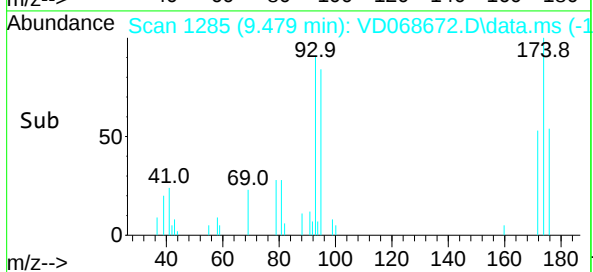
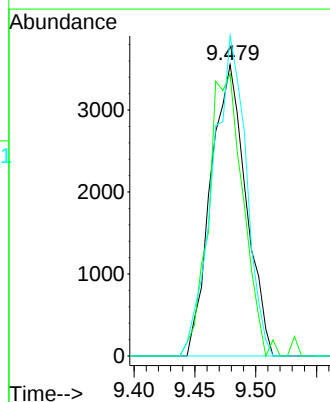
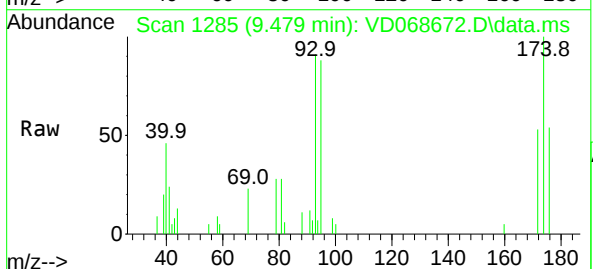
MMDadoda
3/22/2021 11:37:11 AM



#46

Dibromomethane
Concen: 3.81 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 93 Resp: 7152
Ion Ratio Lower Upper
93 100
95 95.1 64.5 96.7
174 104.3 75.3 112.9





#47

Bromodichloromethane

Concen: 4.24 ug/l

RT: 9.667 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VD068672.D

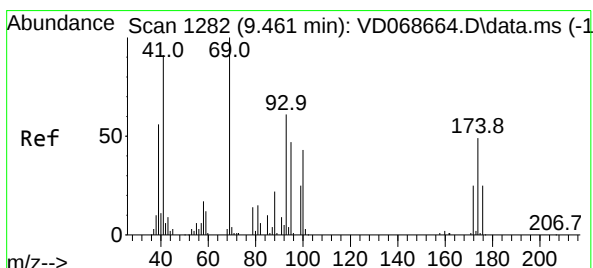
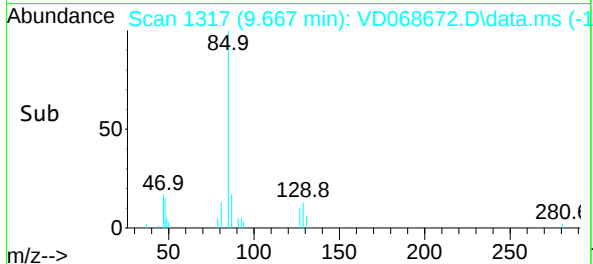
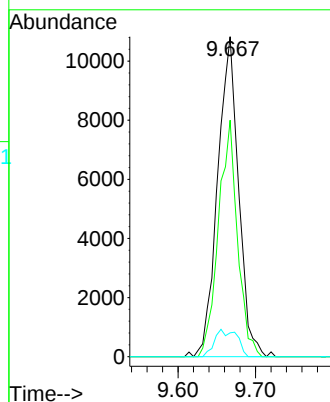
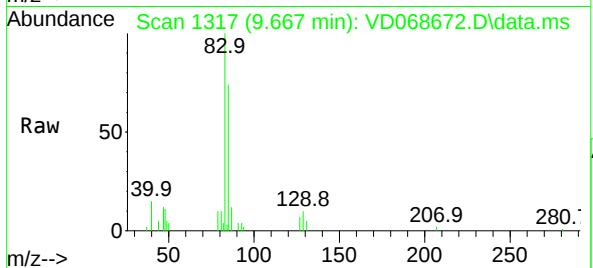
Acq: 19 Mar 2021 20:06

Tgt Ion:	83	Resp:	20390
Ion	Ratio	Lower	Upper
83	100		
85	73.9	51.0	76.6
127	7.5	7.1	10.7

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.94 ug/l

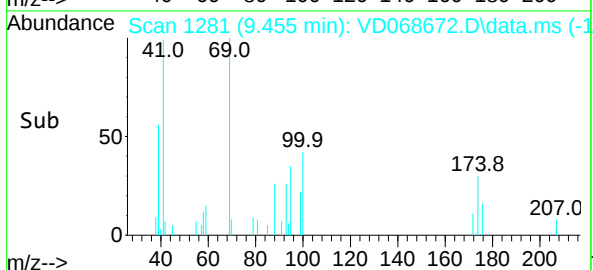
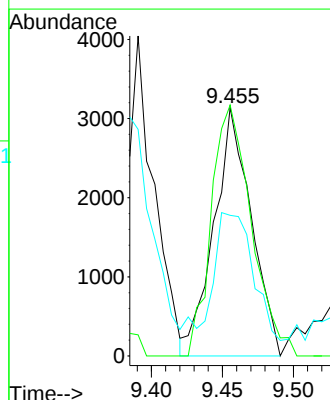
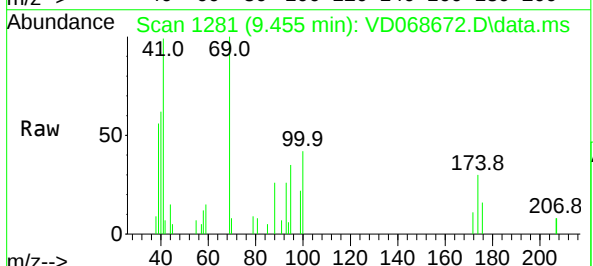
RT: 9.455 min Scan# 1281

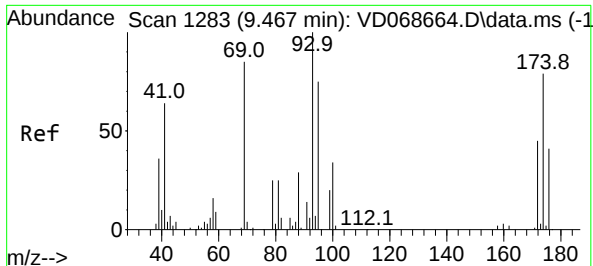
Delta R.T. -0.006 min

Lab File: VD068672.D

Acq: 19 Mar 2021 20:06

Tgt Ion:	41	Resp:	5716
Ion	Ratio	Lower	Upper
41	100		
69	108.8	83.0	124.6
39	64.2	47.0	70.6





#49

1,4-Dioxane

Concen: 87.42 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.006 min

Lab File: VD068672.D

Acq: 19 Mar 2021 20:06

Tgt Ion: 88 Resp: 1823

Ion Ratio Lower Upper

88 100

43 22.3 25.8 38.8#

58 53.2 54.0 81.0#

Instrument :

MSVOA_D

ClientSampleId :

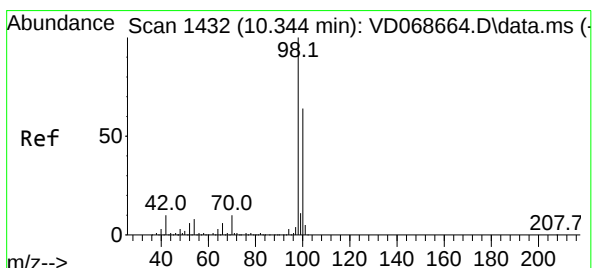
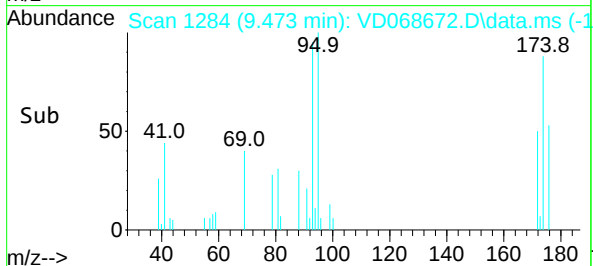
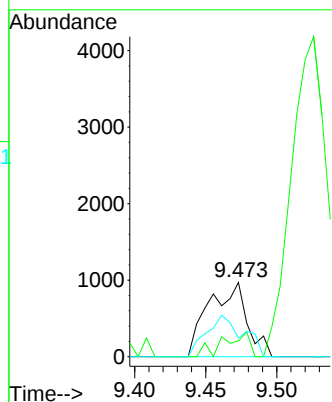
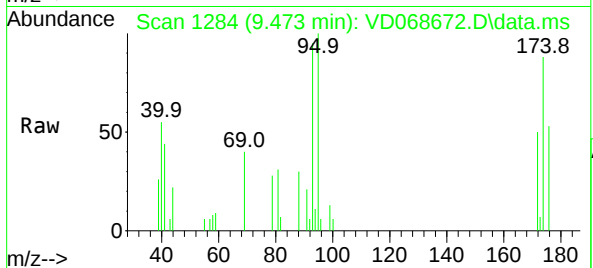
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#50

Toluene-d8

Concen: 51.52 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VD068672.D

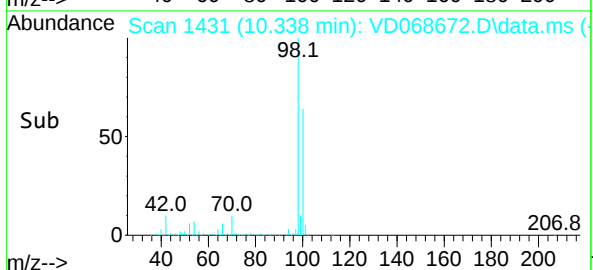
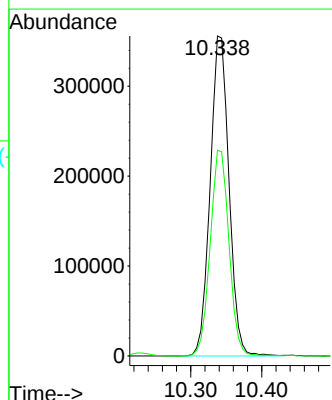
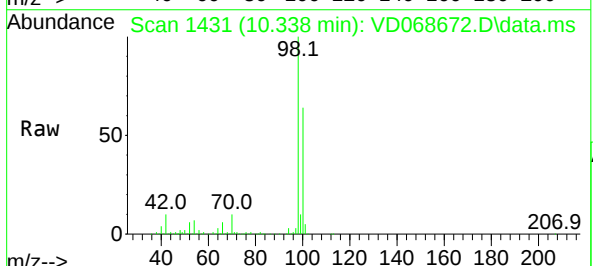
Acq: 19 Mar 2021 20:06

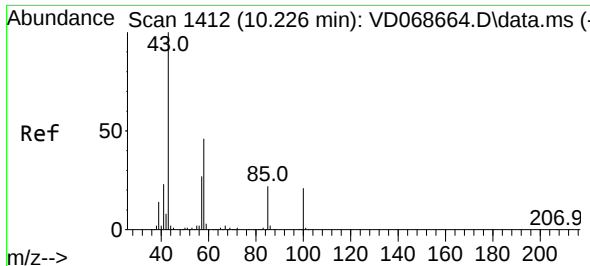
Tgt Ion: 98 Resp: 654143

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.6





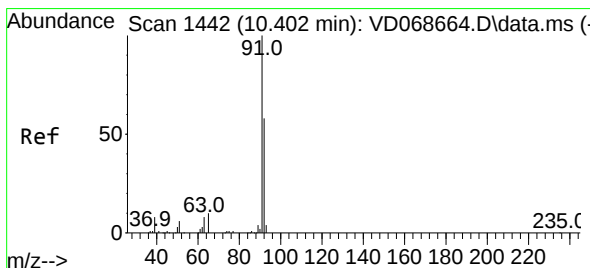
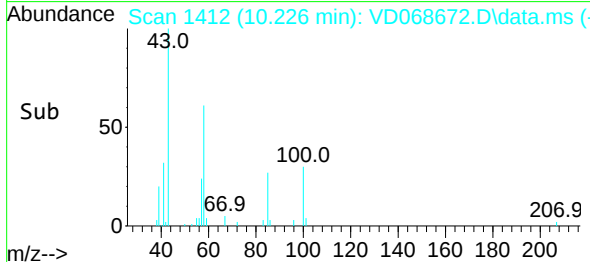
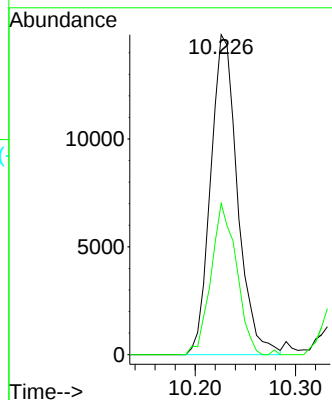
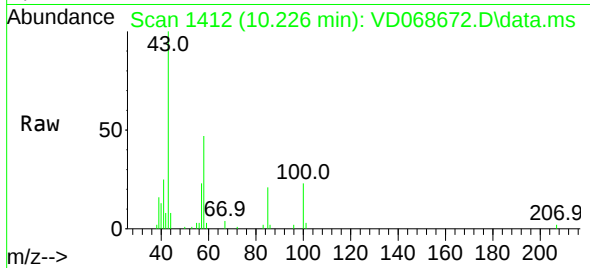
#51
4-Methyl-2-Pentanone
Concen: 18.57 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 43 Resp: 27671
Ion Ratio Lower Upper
43 100
58 44.7 37.3 55.9

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

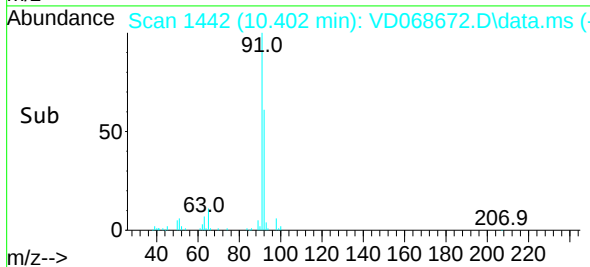
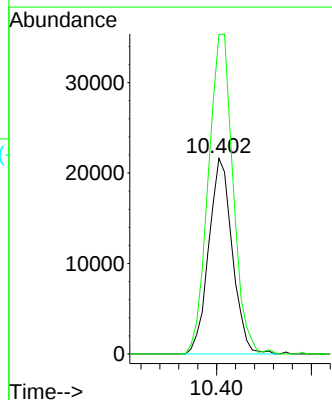
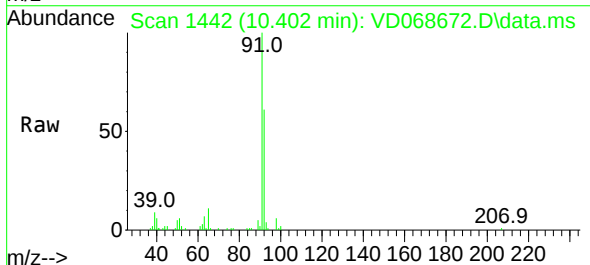
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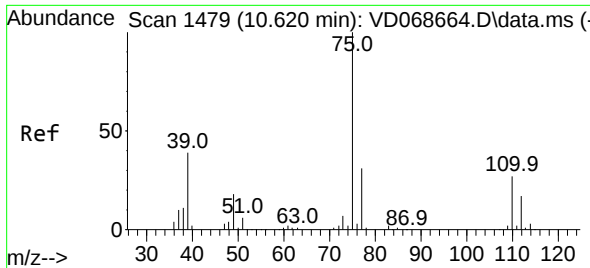
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#52
Toluene
Concen: 4.28 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 92 Resp: 37367
Ion Ratio Lower Upper
92 100
91 171.6 139.1 208.7





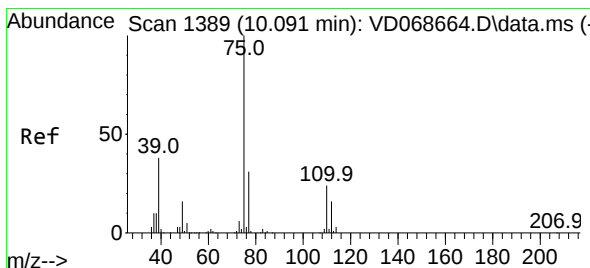
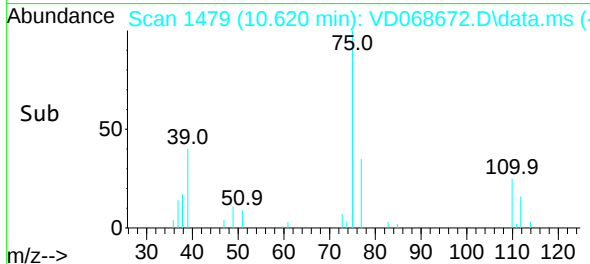
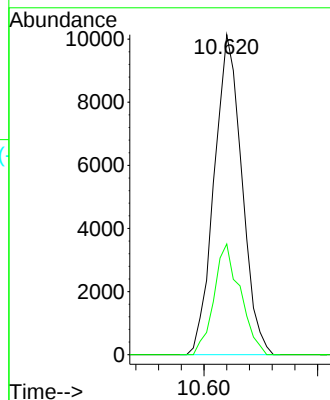
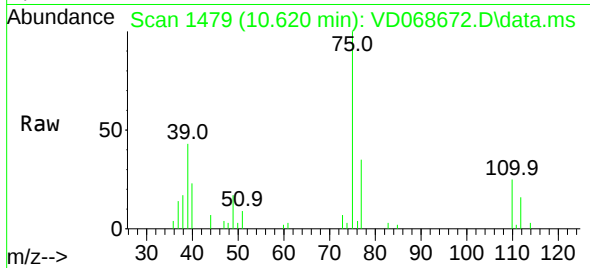
#53
t-1,3-Dichloropropene
Concen: 3.88 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 75 Resp: 17179
Ion Ratio Lower Upper
75 100
77 34.6 25.1 37.7

Instrument :
MSVOA_D
ClientSampleId :
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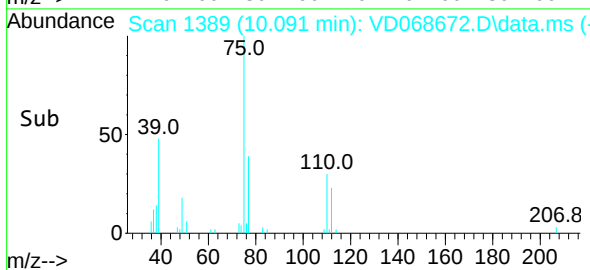
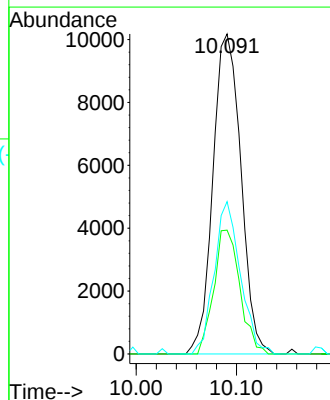
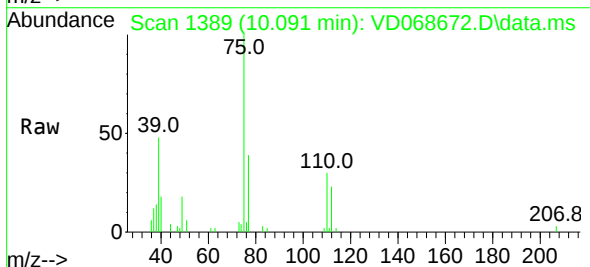
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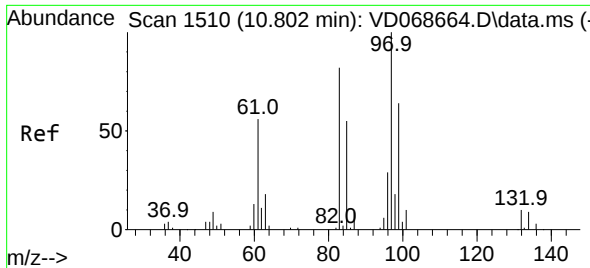
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#54
cis-1,3-Dichloropropene
Concen: 3.75 ug/l
RT: 10.091 min Scan# 1389
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 75 Resp: 19725
Ion Ratio Lower Upper
75 100
77 38.7 24.7 37.1#
39 47.6 30.2 45.2#





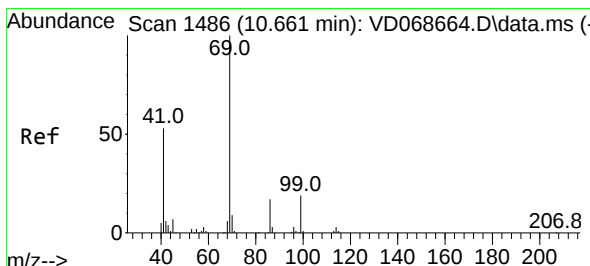
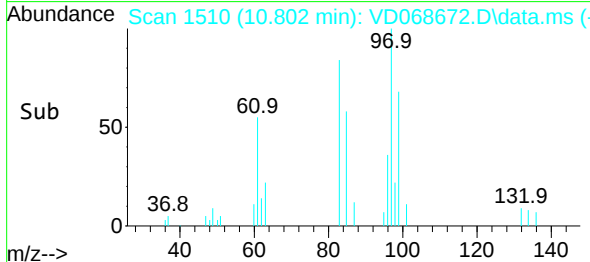
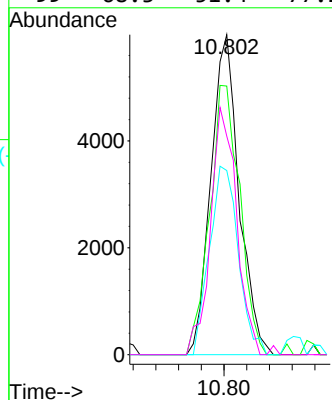
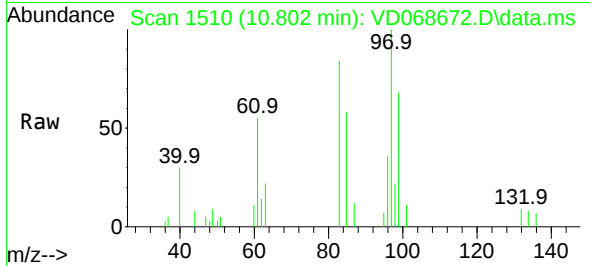
#55
1,1,2-Trichloroethane
Concen: 3.90 ug/l
RT: 10.802 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:	97	Resp:	10293
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.7	98.5
85	57.6	44.3	66.5
99	68.3	51.4	77.2

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

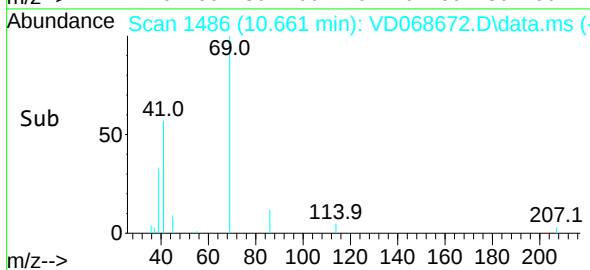
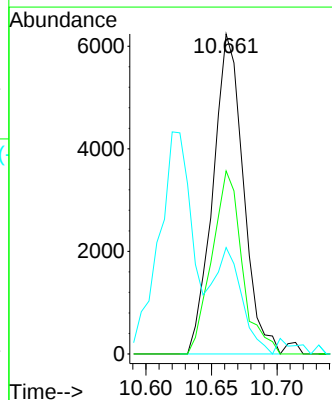
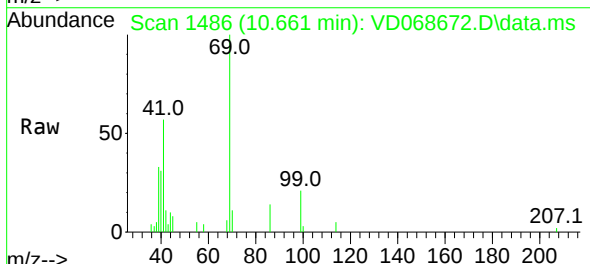
Manual Integrations
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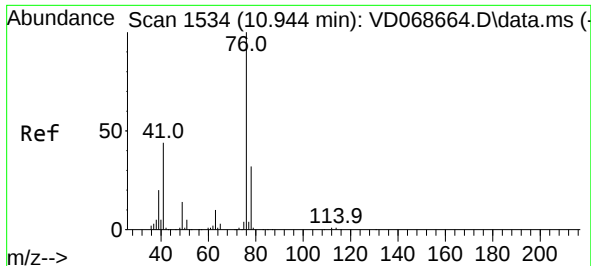
MMDadoda
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#56
Ethyl methacrylate
Concen: 3.52 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:	69	Resp:	10040
Ion	Ratio	Lower	Upper
69	100		
41	56.8	42.2	63.4
39	26.5	24.2	36.2





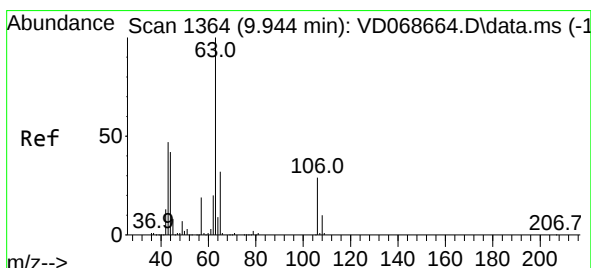
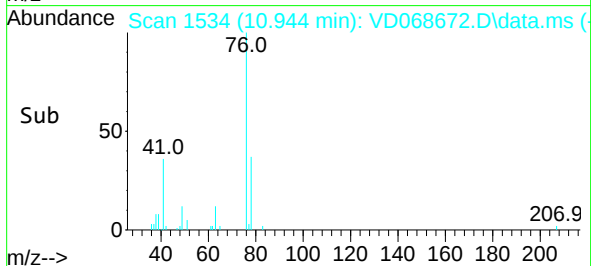
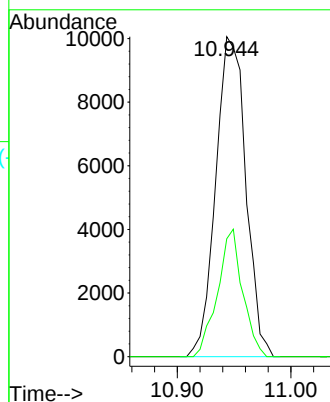
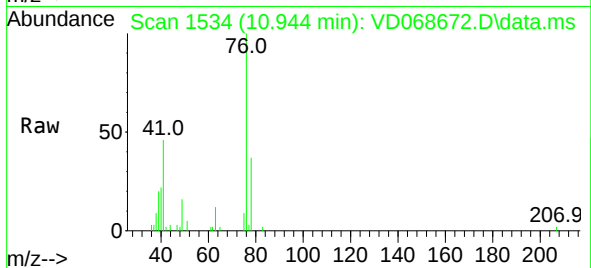
#57
1,3-Dichloropropane
Concen: 4.29 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 76 Resp: 18499
Ion Ratio Lower Upper
76 100
78 33.2 25.8 38.6

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

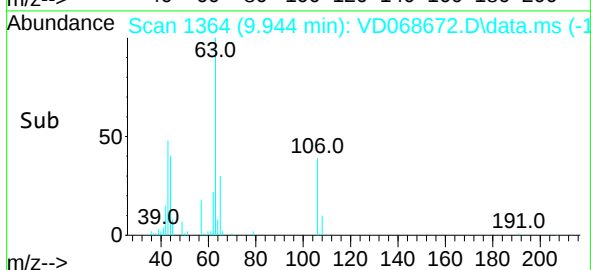
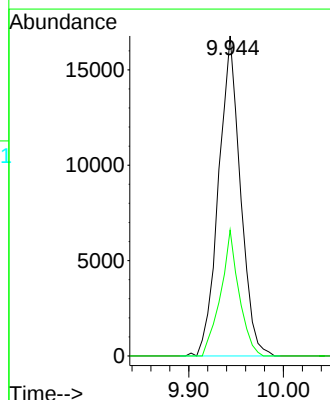
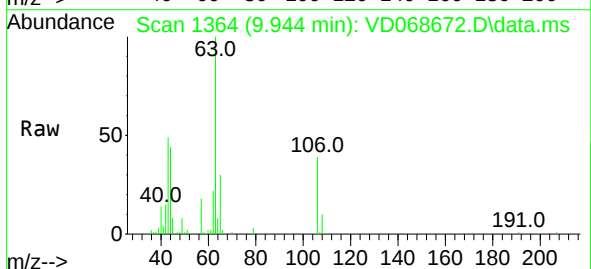
Manual Integrations
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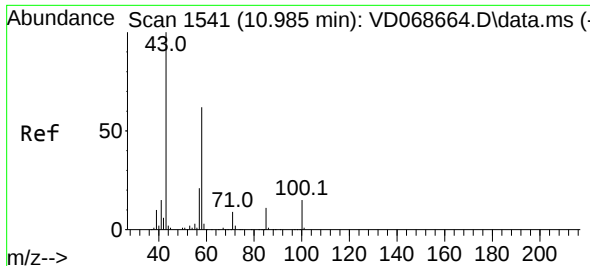
MMDadoda
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#58
2-Chloroethyl Vinyl ether
Concen: 18.46 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 63 Resp: 26828
Ion Ratio Lower Upper
63 100
106 33.4 24.6 36.8





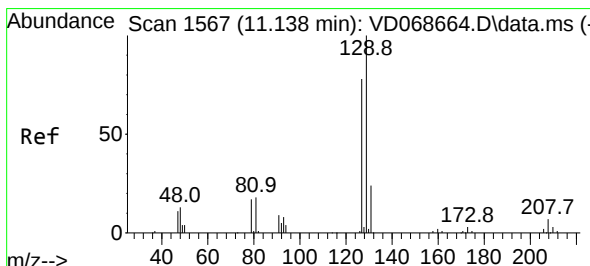
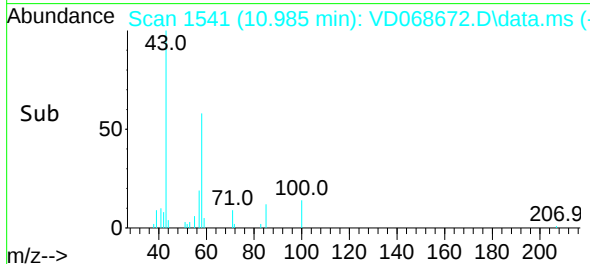
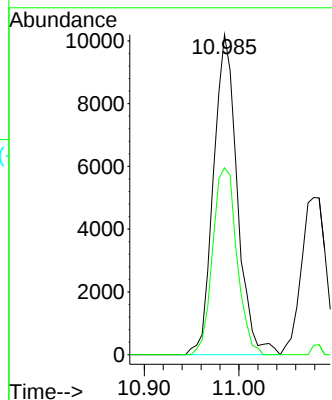
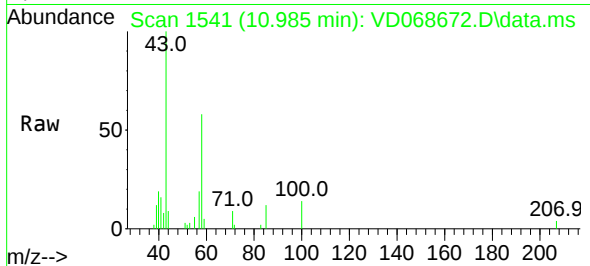
#59
2-Hexanone
Concen: 17.74 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 43 Resp: 17745
Ion Ratio Lower Upper
43 100
58 59.6 31.3 93.8

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

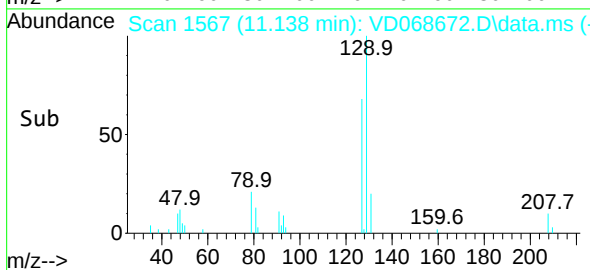
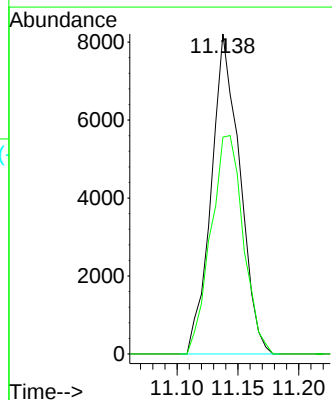
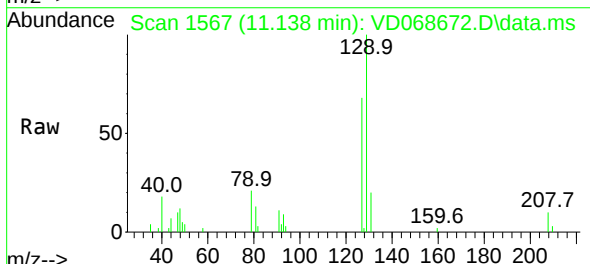
Manual Integrations
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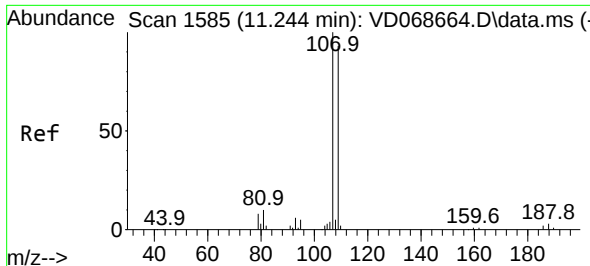
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#60
Dibromochloromethane
Concen: 4.08 ug/l
RT: 11.138 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

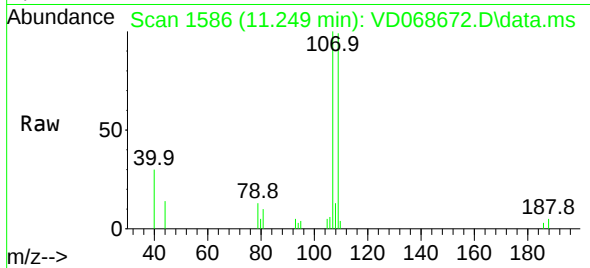
Tgt Ion: 129 Resp: 13368
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3





#61
1,2-Dibromoethane
Concen: 3.75 ug/l
RT: 11.249 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

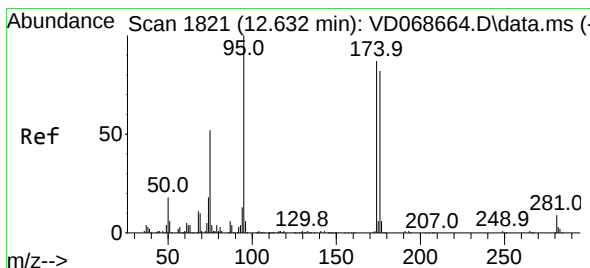
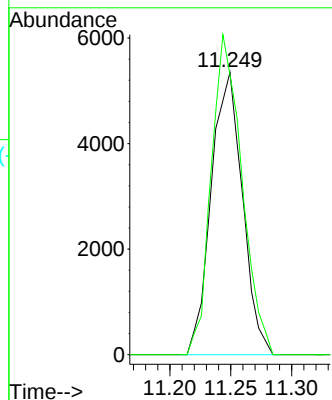
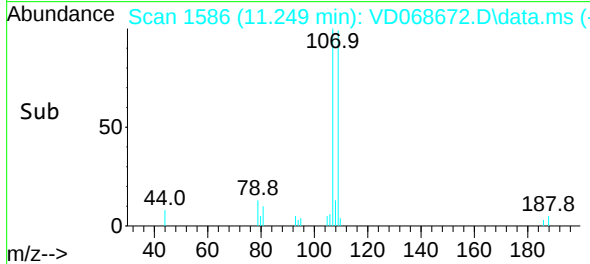
Instrument :
MSVOA_D
ClientSampleId :
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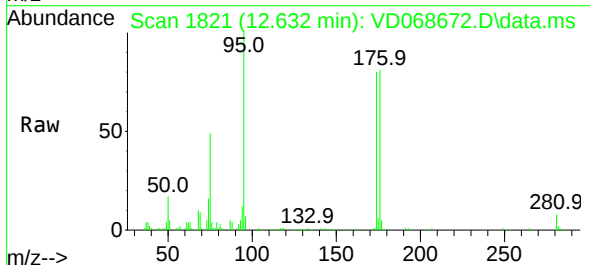
Tgt Ion:107 Resp: 9557
Ion Ratio Lower Upper
107 100
109 111.2 74.9 112.3

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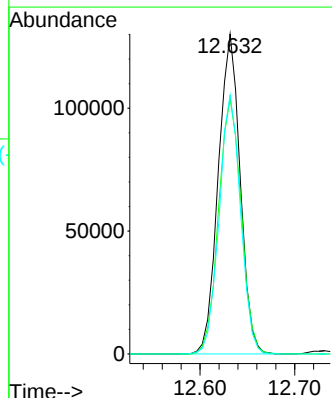
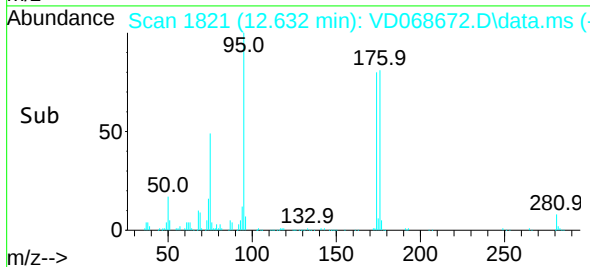
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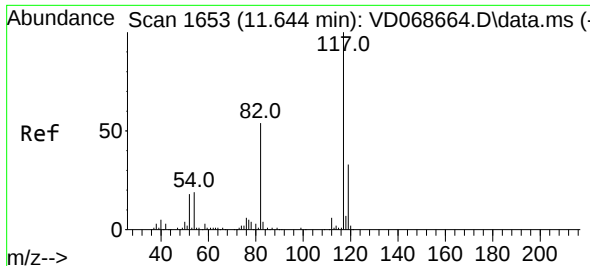


#62
4-Bromofluorobenzene
Concen: 50.78 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



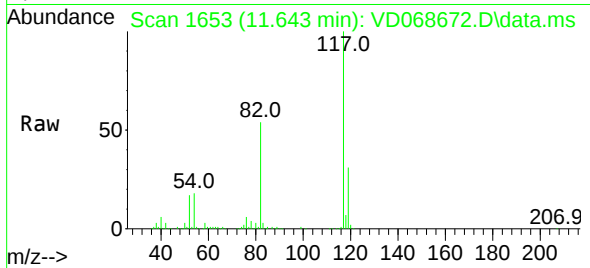
Tgt Ion: 95 Resp: 209040
Ion Ratio Lower Upper
95 100
174 82.4 0.0 168.0
176 79.4 0.0 160.2





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

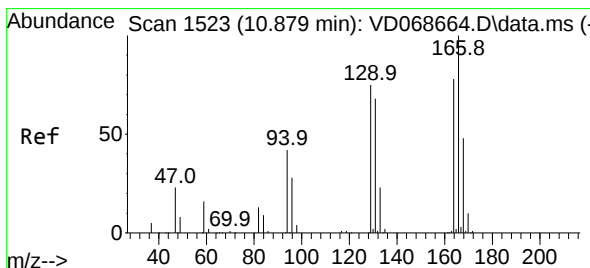
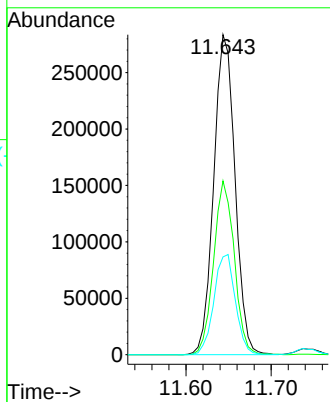
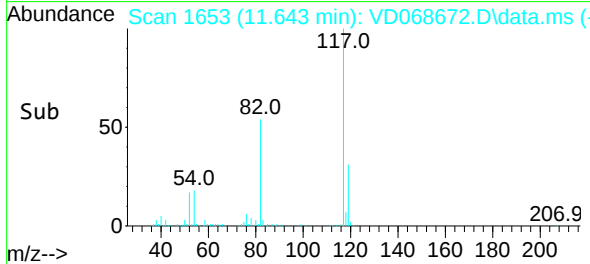
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



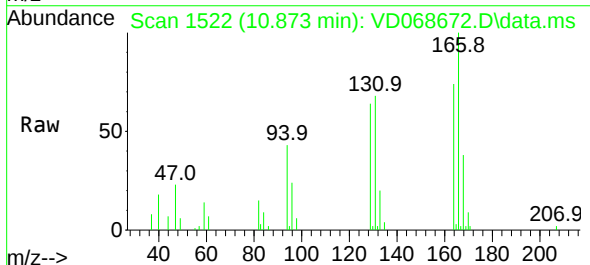
Tgt Ion:117 Resp: 492294
Ion Ratio Lower Upper
117 100
82 54.3 43.5 65.3
119 30.5 26.7 40.1

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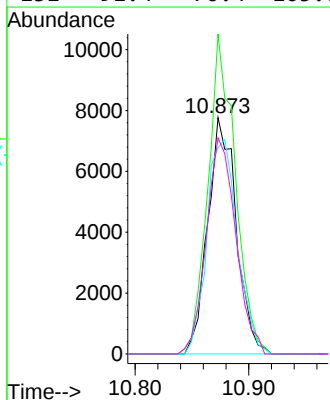
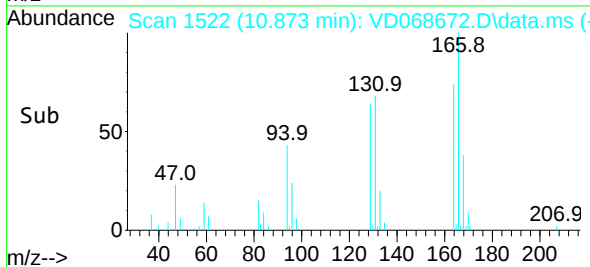
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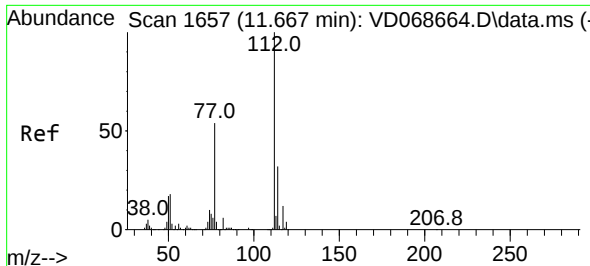


#64
Tetrachloroethene
Concen: 4.23 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



Tgt Ion:164 Resp: 13492
Ion Ratio Lower Upper
164 100
166 135.4 103.0 154.6
129 87.2 77.4 116.0
131 91.4 70.4 105.6





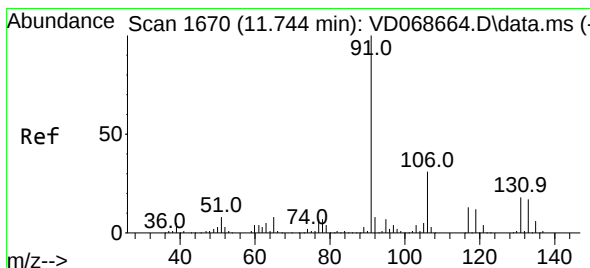
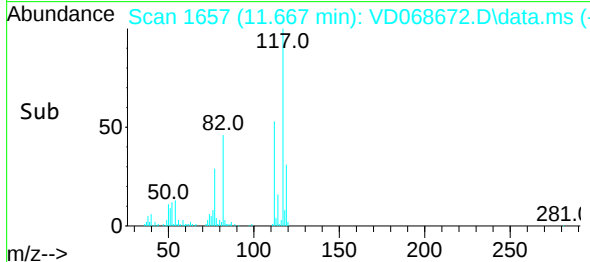
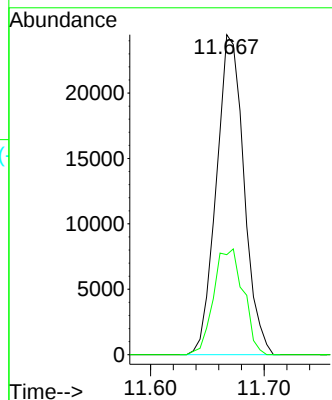
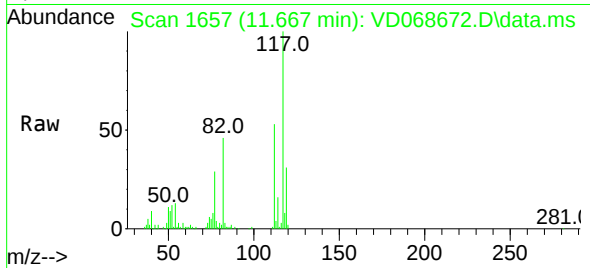
#65
Chlorobenzene
Concen: 4.27 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:112 Resp: 41340
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8

Instrument :
MSVOA_D
ClientSampleId :
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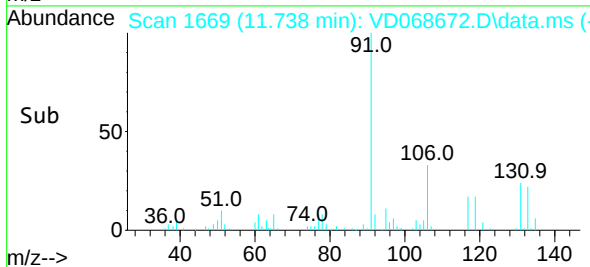
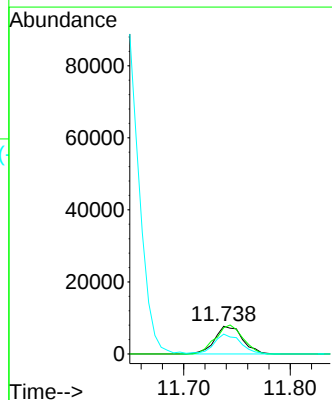
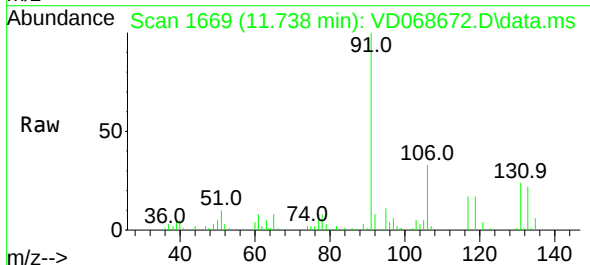
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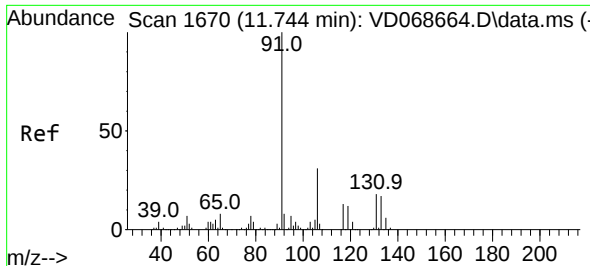
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.01 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:131 Resp: 13979
Ion Ratio Lower Upper
131 100
133 102.6 47.0 141.2
119 68.4 32.8 98.3





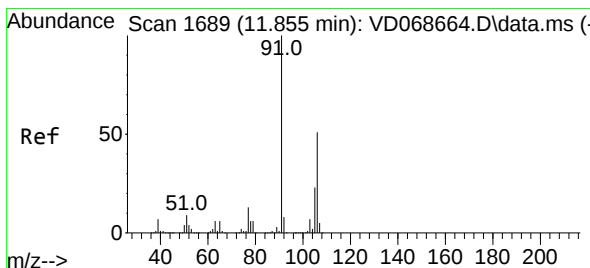
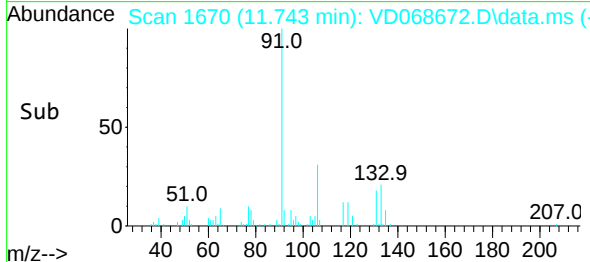
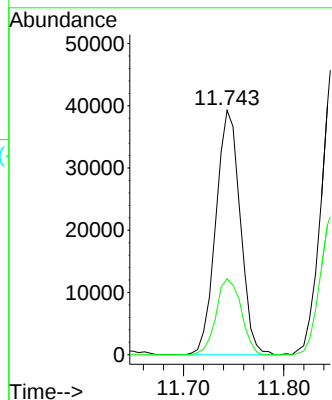
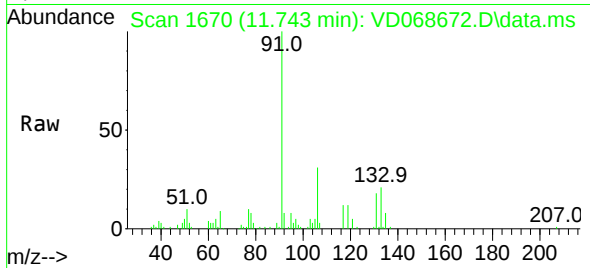
#67
Ethyl Benzene
Concen: 3.92 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 91 Resp: 66268
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

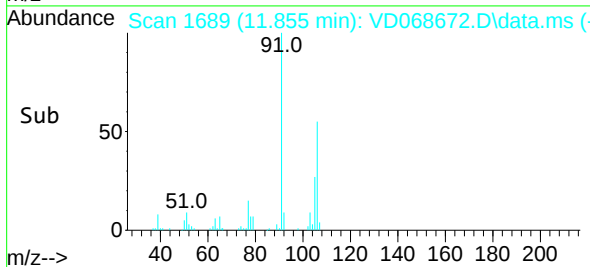
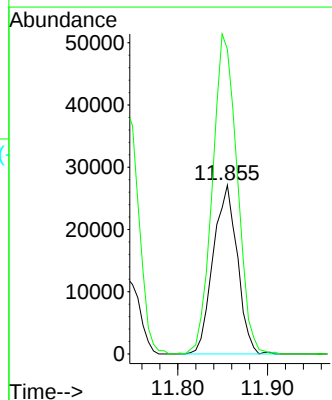
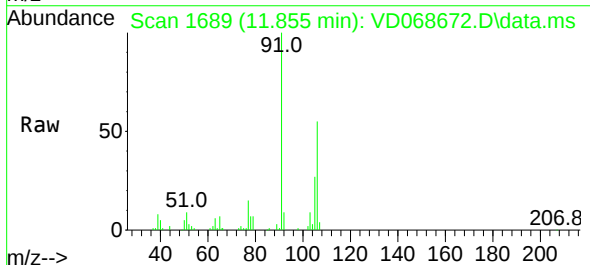
Manual Integrations
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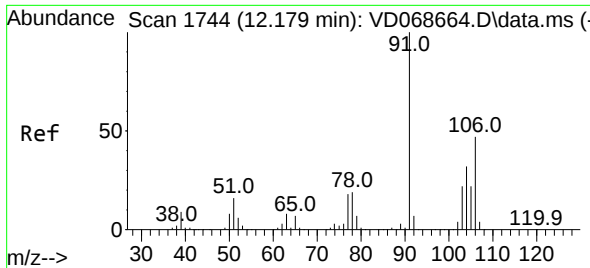
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#68
m/p-Xylenes
Concen: 7.70 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:106 Resp: 50693
Ion Ratio Lower Upper
106 100
91 194.1 158.6 238.0





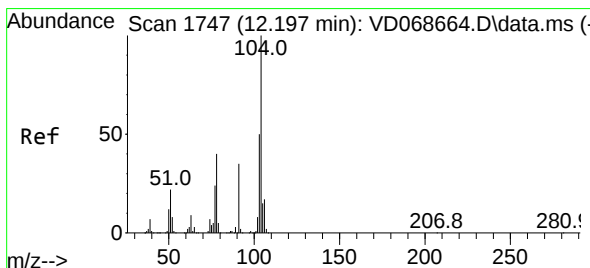
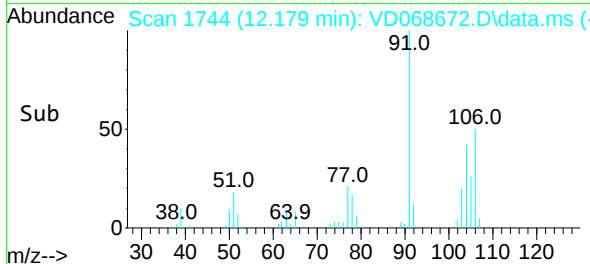
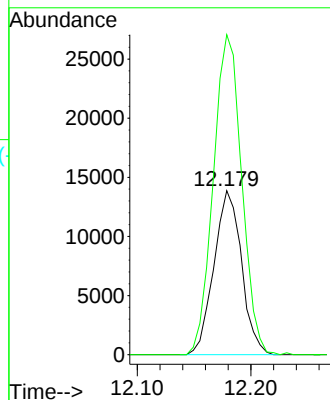
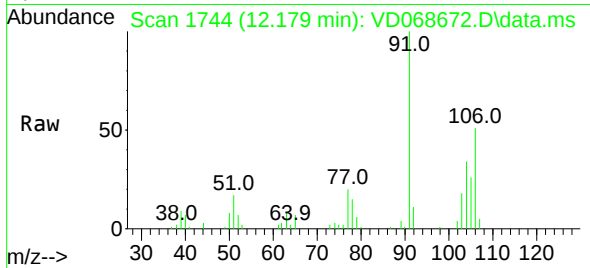
#69
o-Xylene
Concen: 3.83 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:106 Resp: 23395
Ion Ratio Lower Upper
106 100
91 200.9 105.0 315.0

Instrument :
MSVOA_D
ClientSampleId :
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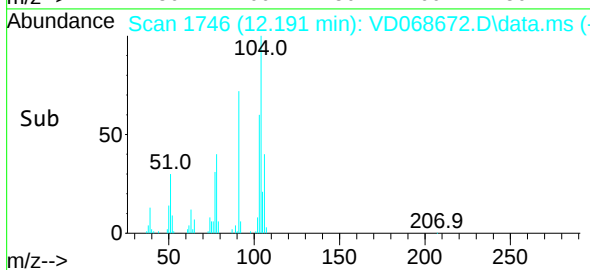
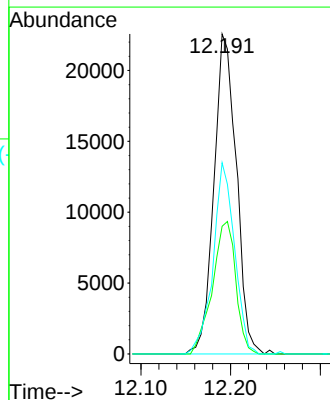
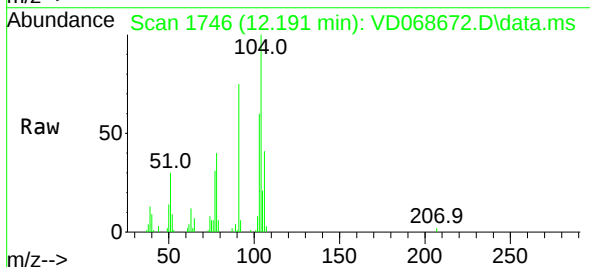
Manual Integrations
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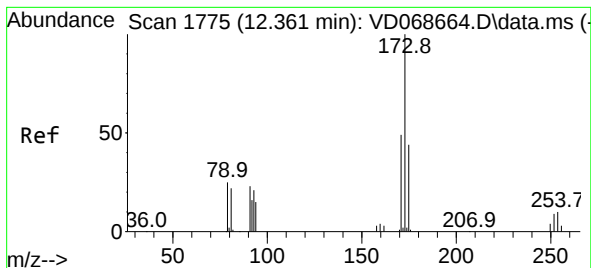
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#70
Styrene
Concen: 3.73 ug/l
RT: 12.191 min Scan# 1746
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:104 Resp: 39155
Ion Ratio Lower Upper
104 100
78 43.2 36.9 55.3
103 57.2 44.3 66.5





#71

Bromoform

Concen: 4.07 ug/l

RT: 12.361 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VD068672.D

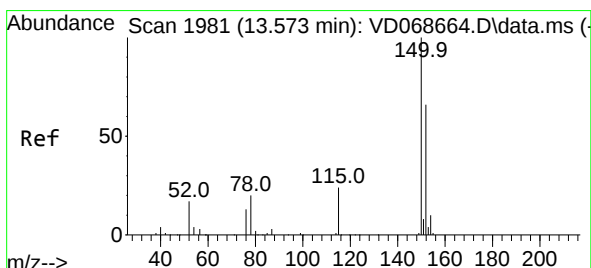
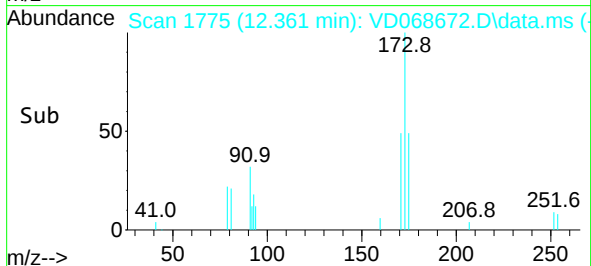
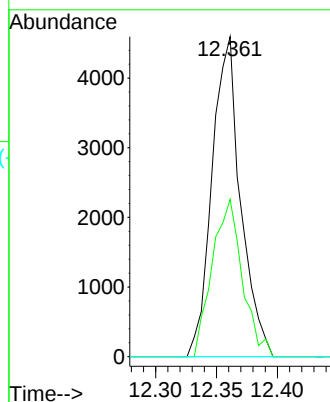
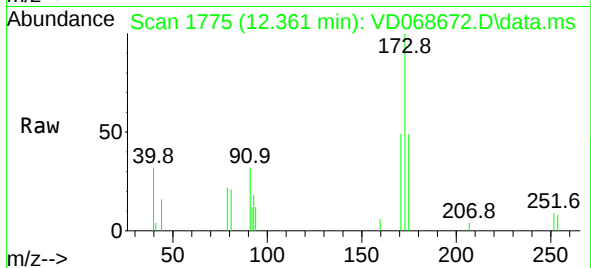
Acq: 19 Mar 2021 20:06

Tgt Ion:	173	Resp:	7480
Ion Ratio	Lower	Upper	
173	100		
175	52.0	23.6	71.0
254	0.0	0.0	0.0

Instrument :
MSVOA_D
ClientSampleId :
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

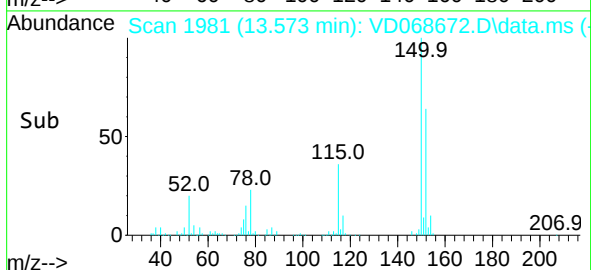
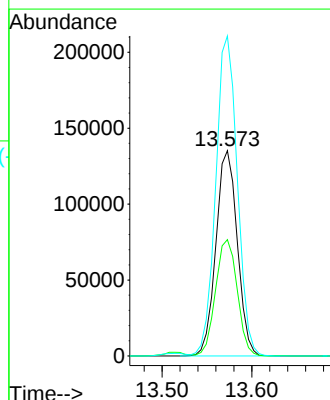
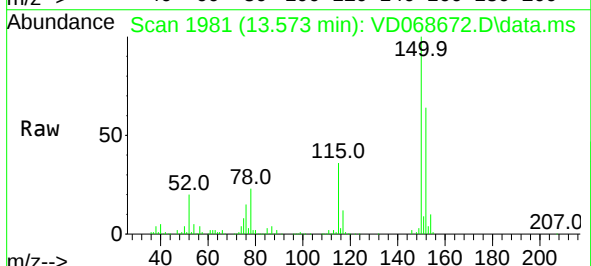
RT: 13.573 min Scan# 1981

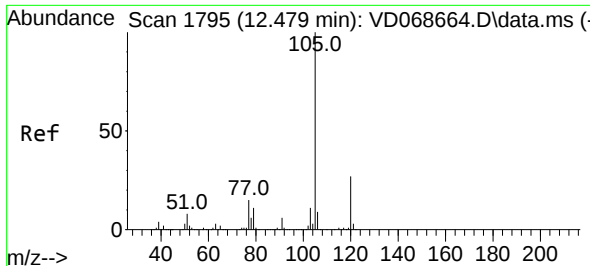
Delta R.T. -0.000 min

Lab File: VD068672.D

Acq: 19 Mar 2021 20:06

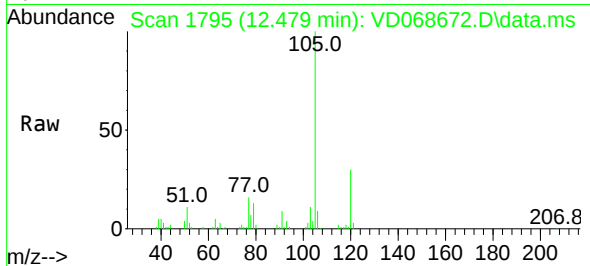
Tgt Ion:	152	Resp:	223526
Ion Ratio	Lower	Upper	
152	100		
115	57.4	29.3	87.8
150	157.2	0.0	347.6





#73
Isopropylbenzene
Concen: 3.96 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

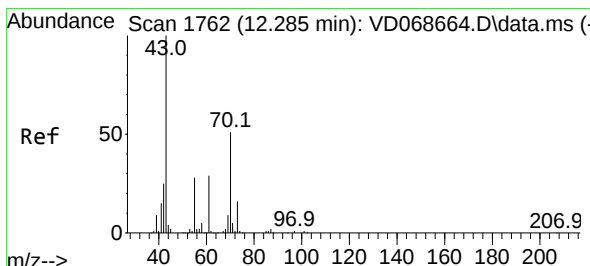
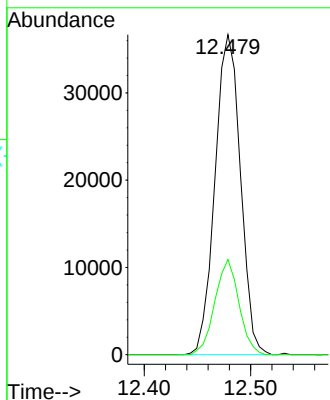
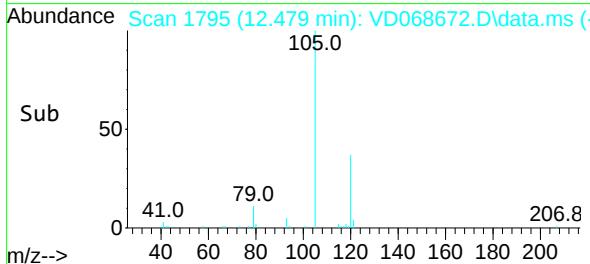
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



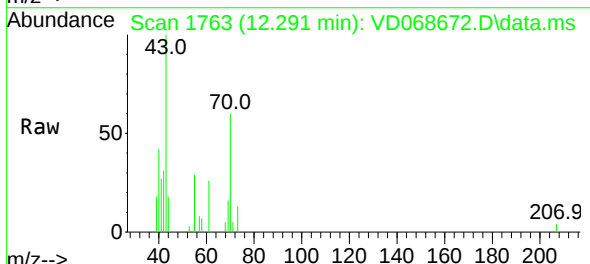
Tgt Ion: 105 Resp: 60757
Ion Ratio Lower Upper
105 100
120 28.1 13.4 40.2

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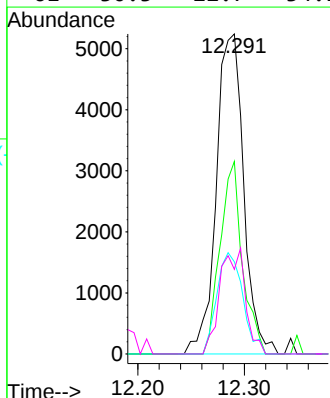
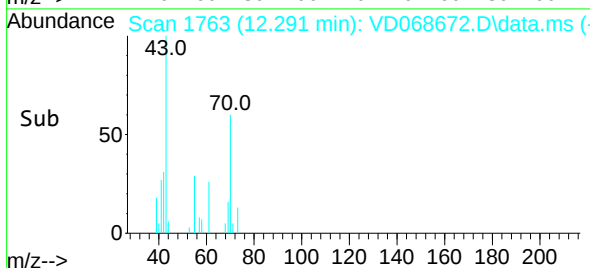
MMDadoda
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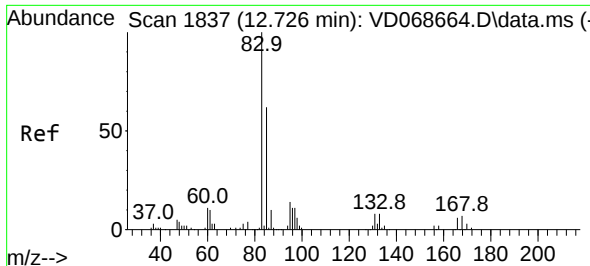


#74
N-ethyl acetate
Concen: 3.66 ug/l
RT: 12.291 min Scan# 1763
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



Tgt Ion: 43 Resp: 9362
Ion Ratio Lower Upper
43 100
70 49.1 41.9 62.9
55 30.0 22.8 34.2
61 30.3 22.7 34.1





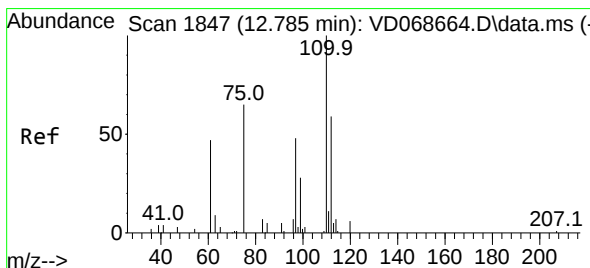
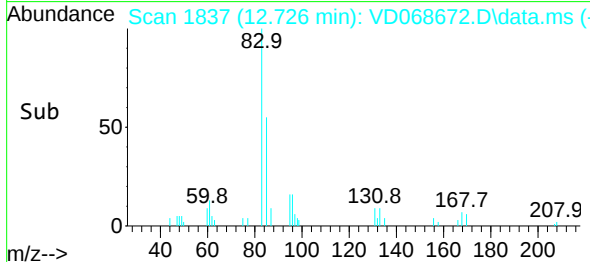
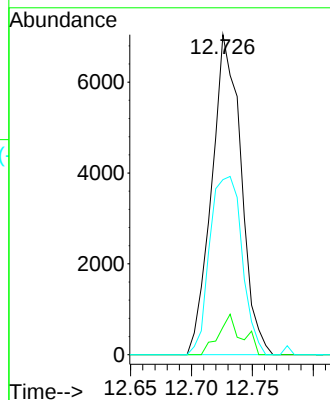
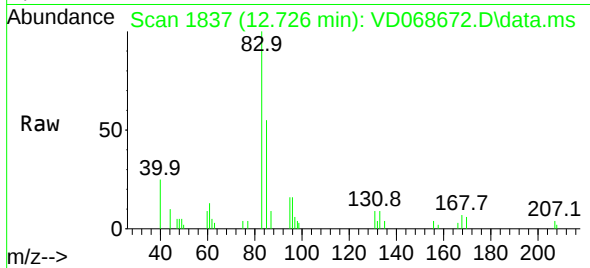
#75
1,1,2,2-Tetrachloroethane
Concen: 4.35 ug/l
RT: 12.726 min Scan# 1837
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	61.3	32.0	96.0

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

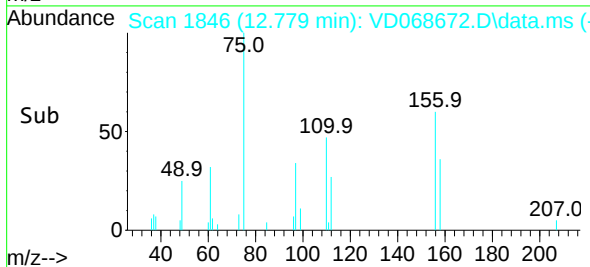
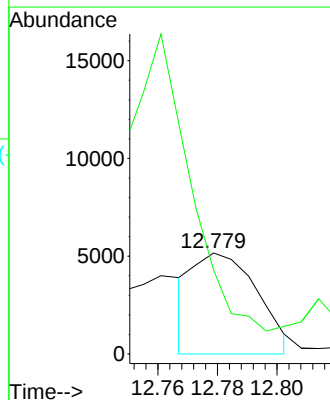
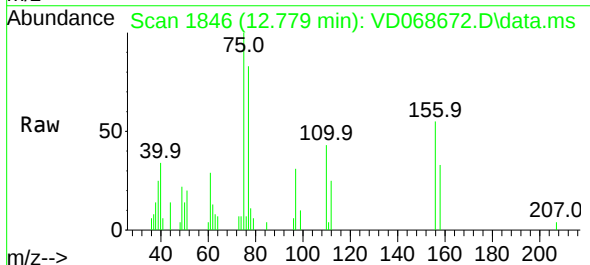
Manual Integrations
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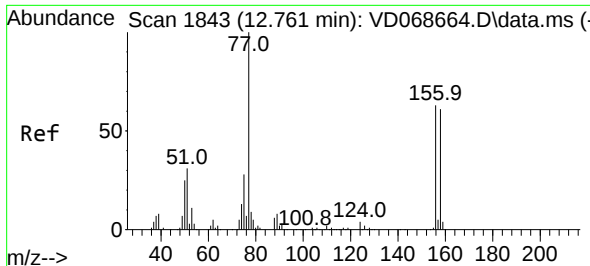
MMDadoda
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#76
1,2,3-Trichloropropane
Concen: 4.18 ug/l m
RT: 12.779 min Scan# 1846
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	367.0	0.0	0.0#





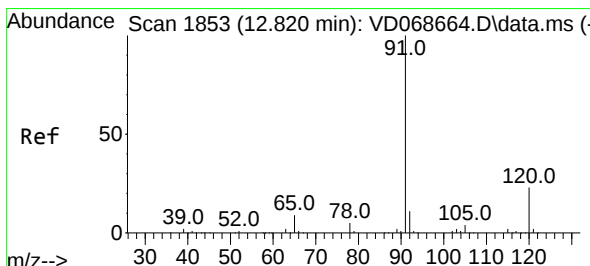
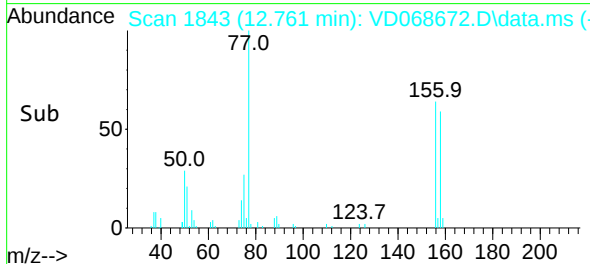
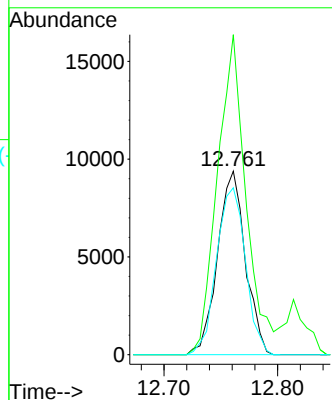
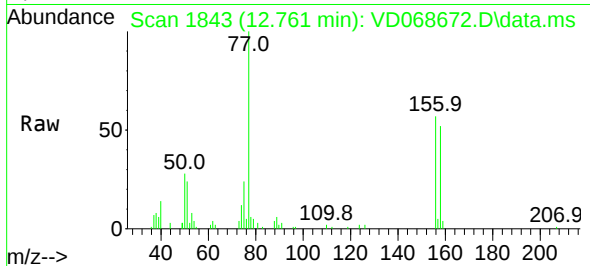
#77
Bromobenzene
Concen: 4.45 ug/l
RT: 12.761 min Scan# 1843
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion	Ratio	Lower	Upper
156	100		
77	177.9	88.9	266.8
158	94.3	47.7	143.1

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

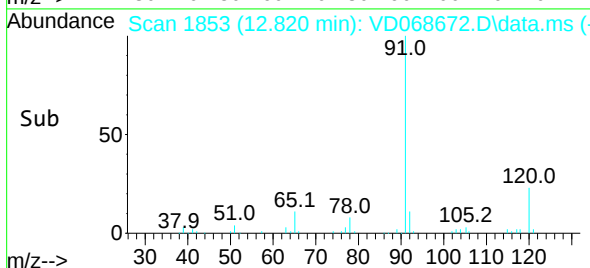
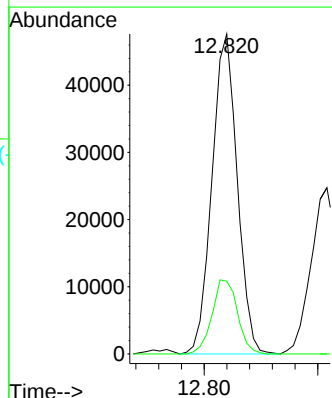
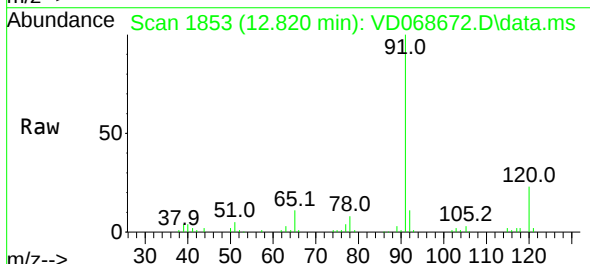
Manual Integrations
APPROVED

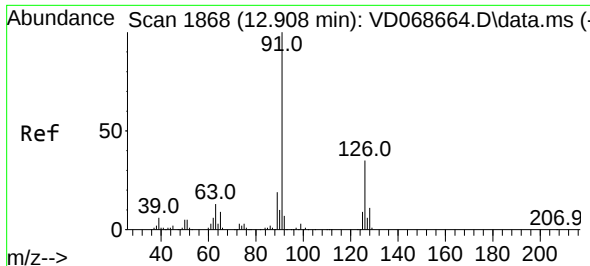
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#78
n-propylbenzene
Concen: 4.02 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.4	34.2





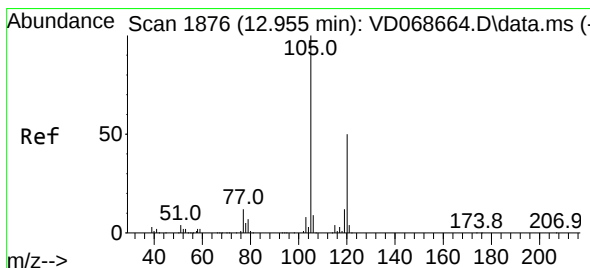
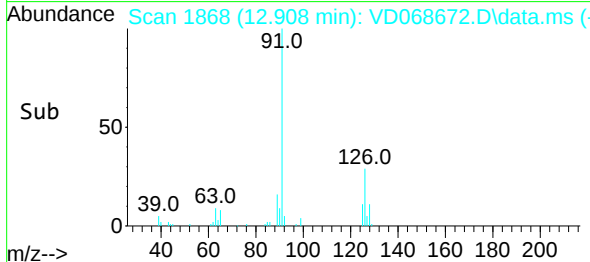
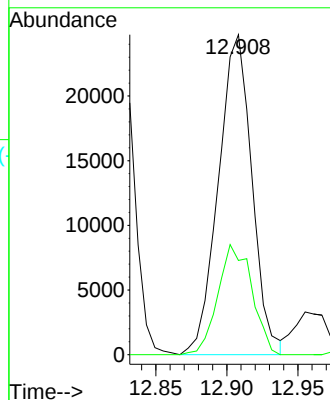
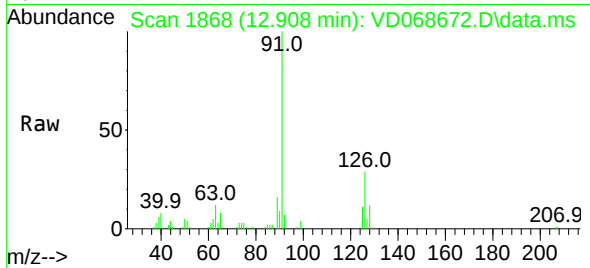
#79
2-Chlorotoluene
Concen: 4.08 ug/l
RT: 12.908 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 91 Resp: 40692
Ion Ratio Lower Upper
91 100
126 34.8 17.1 51.3

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

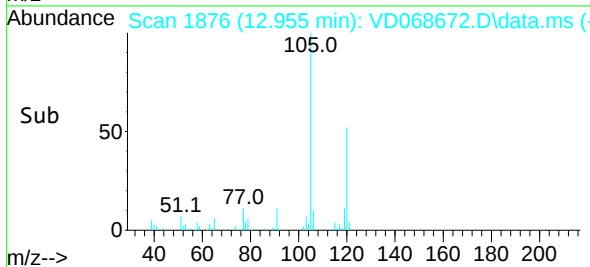
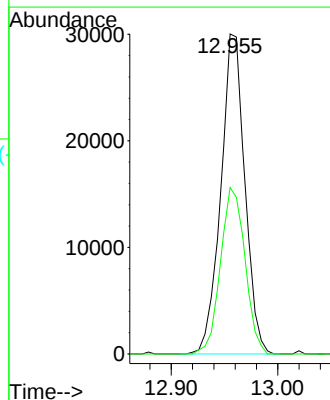
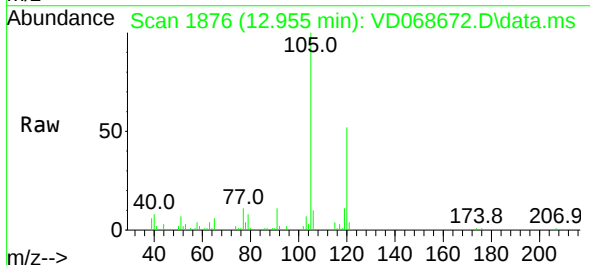
Manual Integrations
APPROVED

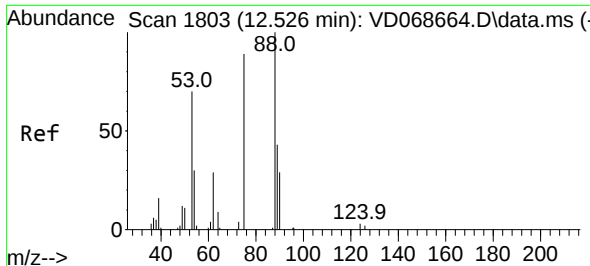
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#80
1,3,5-Trimethylbenzene
Concen: 3.79 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 105 Resp: 47017
Ion Ratio Lower Upper
105 100
120 52.9 24.9 74.7





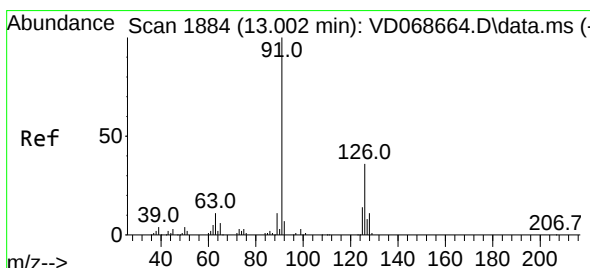
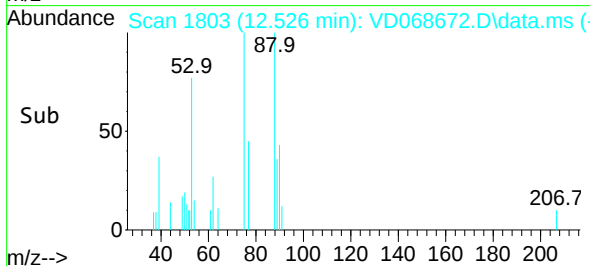
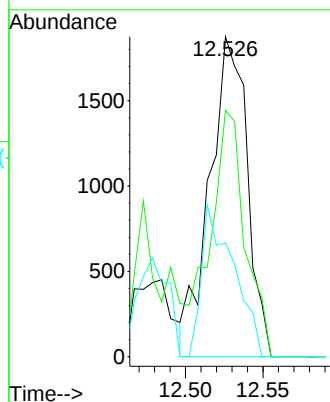
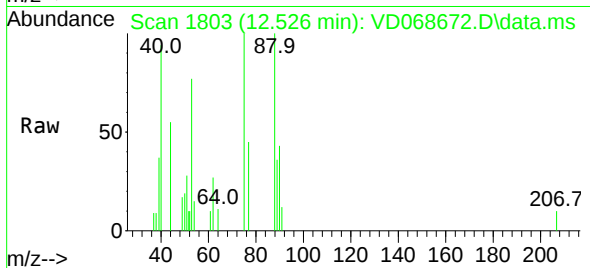
#81
trans-1,4-Dichloro-2-butene
Concen: 3.86 ug/l
RT: 12.526 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion: 75 Resp: 3153
Ion Ratio Lower Upper
75 100
53 69.9 66.8 100.2
89 40.5 36.6 54.8

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

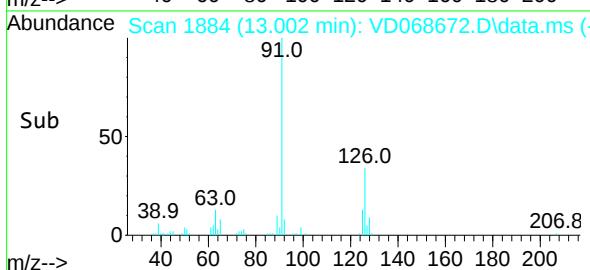
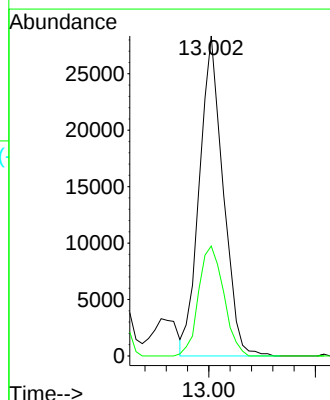
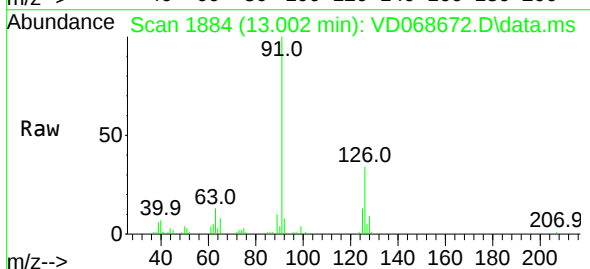
Manual Integrations
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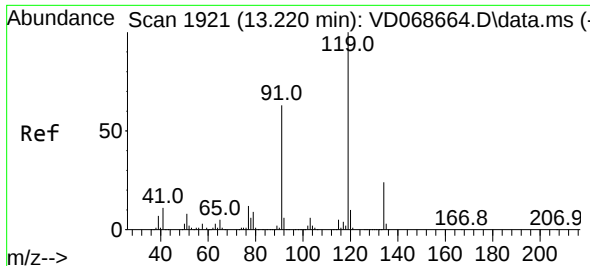
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#82
4-Chlorotoluene
Concen: 4.12 ug/l
RT: 13.002 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

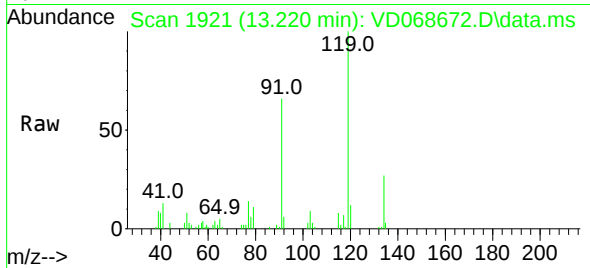
Tgt Ion: 91 Resp: 43870
Ion Ratio Lower Upper
91 100
126 36.3 17.2 51.5





#83
tert-Butylbenzene
Concen: 3.87 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

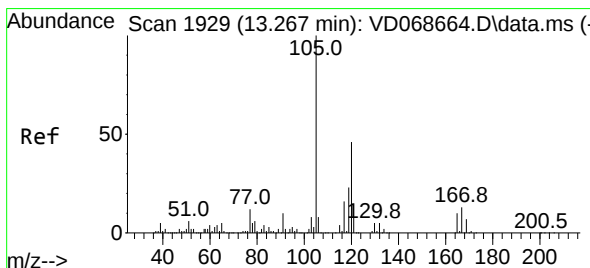
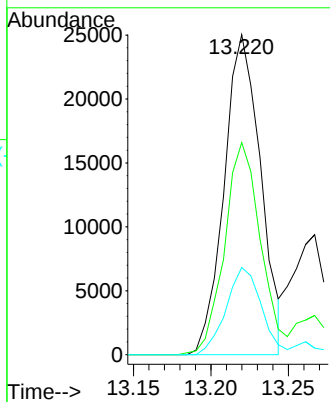
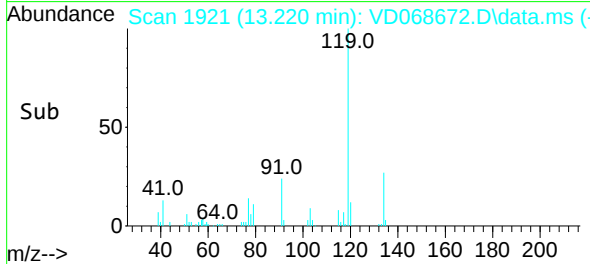
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



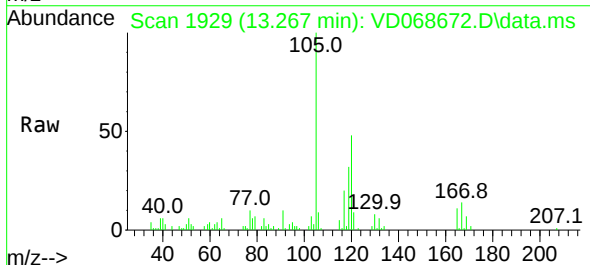
Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.6	31.6	95.0
134	26.3	13.4	40.2

Manual Integrations
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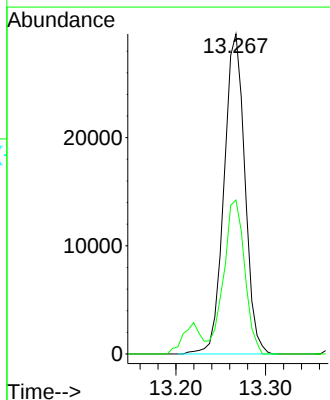
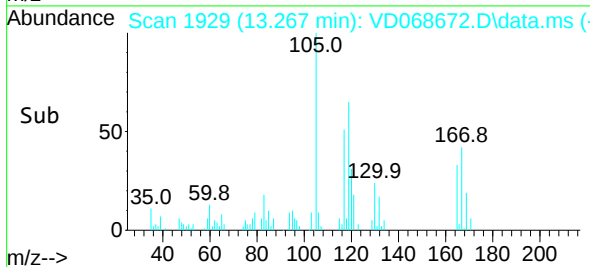
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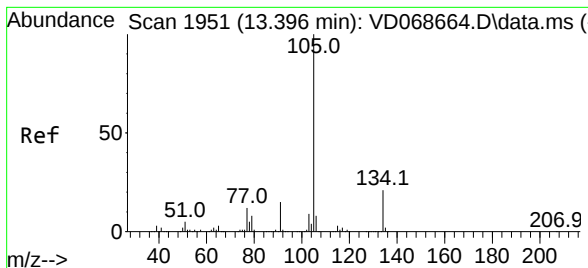


#84
1,2,4-Trimethylbenzene
Concen: 3.71 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



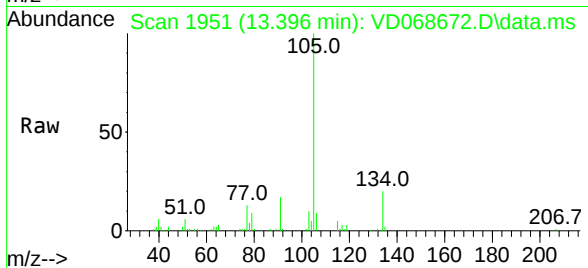
Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.8	22.6	67.7





#85
 sec-Butylbenzene
 Concen: 3.88 ug/l
 RT: 13.396 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VD068672.D
 Acq: 19 Mar 2021 20:06

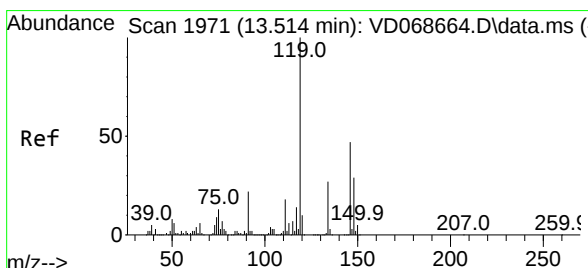
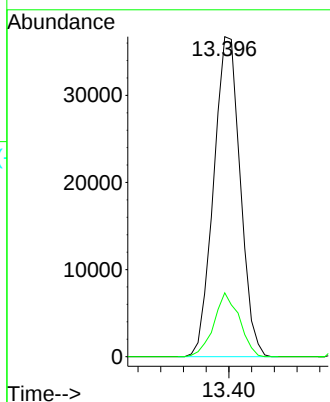
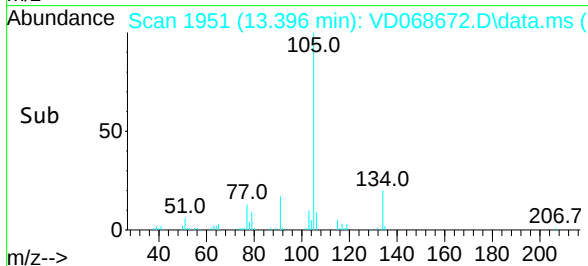
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2021



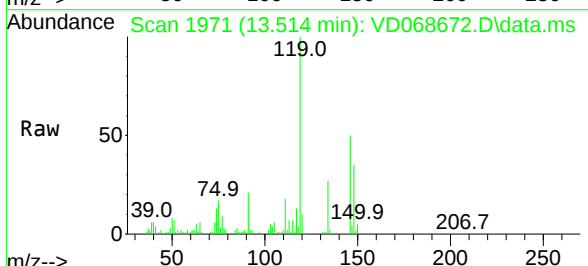
Tgt Ion:105 Resp: 59652
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.0 29.8

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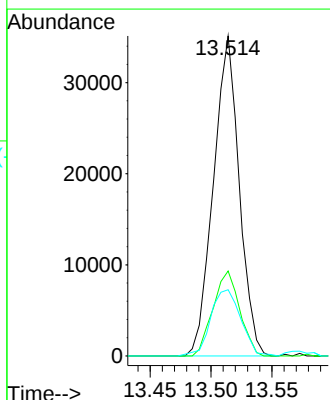
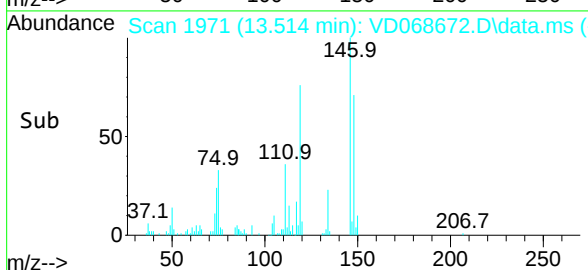
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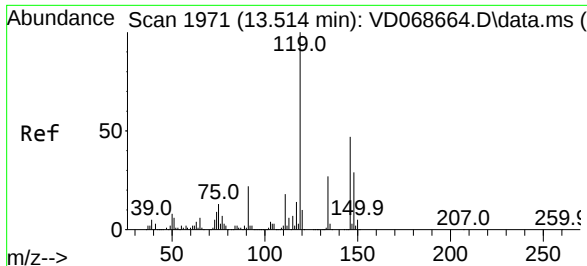


#86
 p-Isopropyltoluene
 Concen: 3.70 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. -0.000 min
 Lab File: VD068672.D
 Acq: 19 Mar 2021 20:06

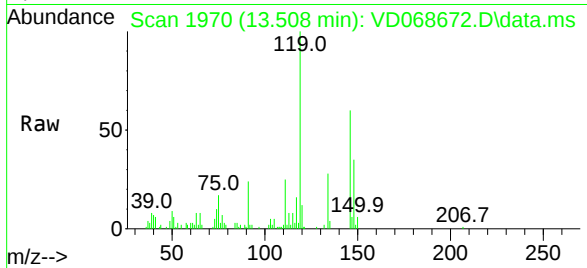


Tgt Ion:119 Resp: 51758
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.3 39.9
 91 24.2 11.1 33.1

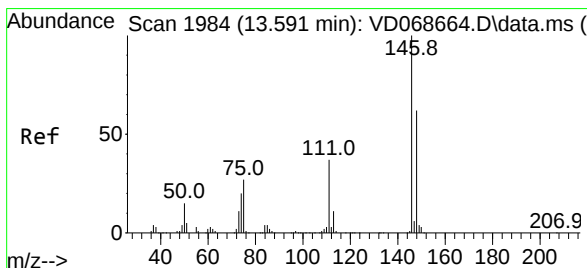
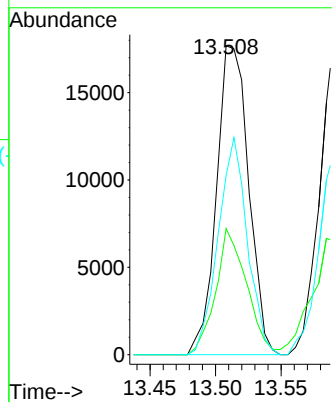
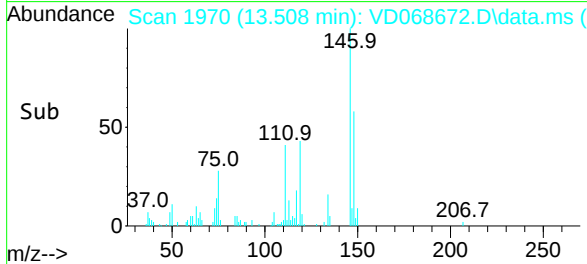




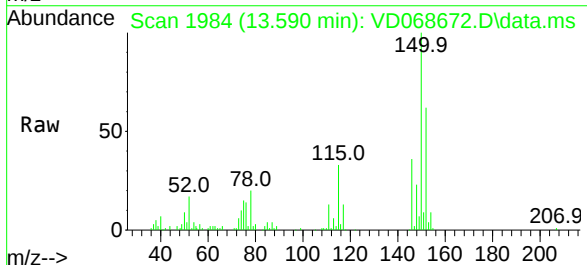
#87
1,3-Dichlorobenzene
Concen: 4.19 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



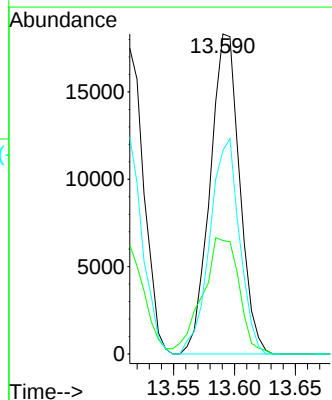
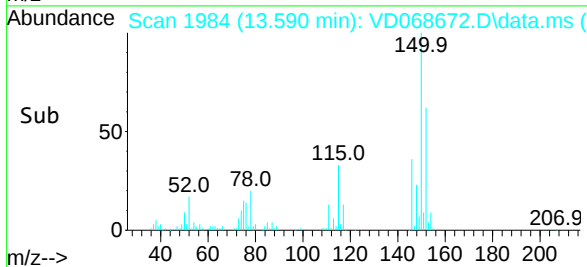
Tgt Ion:146 Resp: 30088
Ion Ratio Lower Upper
146 100
111 39.5 19.3 57.8
148 64.2 30.9 92.8



#88
1,4-Dichlorobenzene
Concen: 4.38 ug/l
RT: 13.590 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



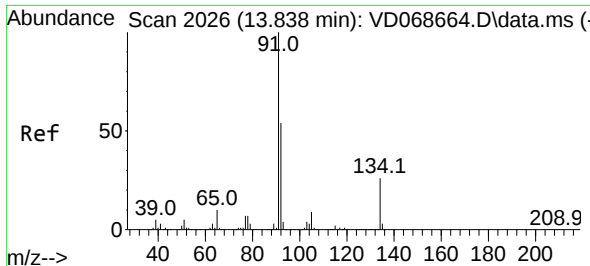
Tgt Ion:146 Resp: 30935
Ion Ratio Lower Upper
146 100
111 44.7 19.1 57.1
148 67.4 31.6 95.0



Instrument :
MSVOA_D
ClientSampleId :
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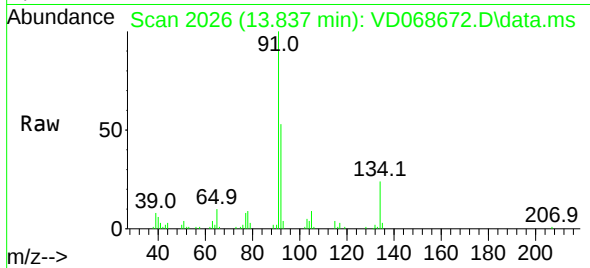
Manual Integrations
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#89
n-Butylbenzene
Concen: 3.87 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

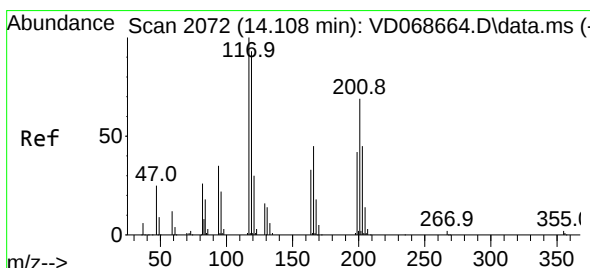
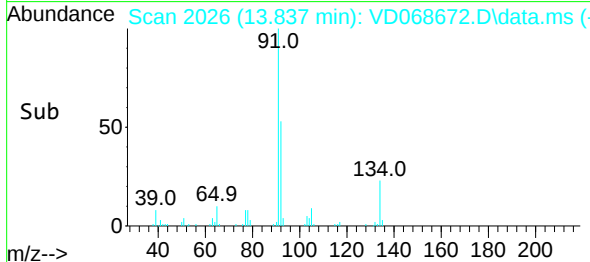
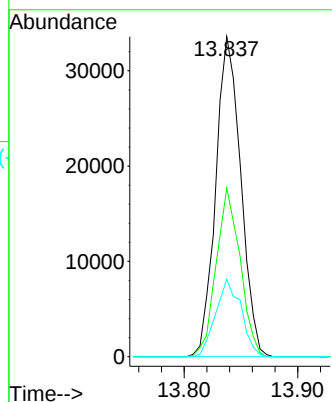
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



Tgt Ion:	91	Resp:	51499
Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.7	80.1
134	24.6	12.9	38.6

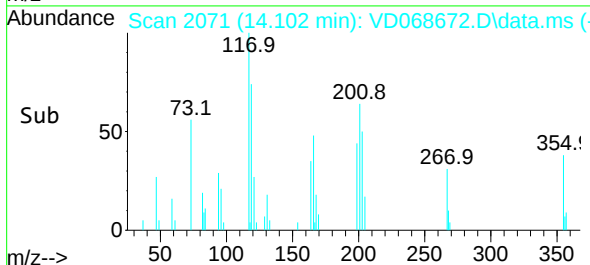
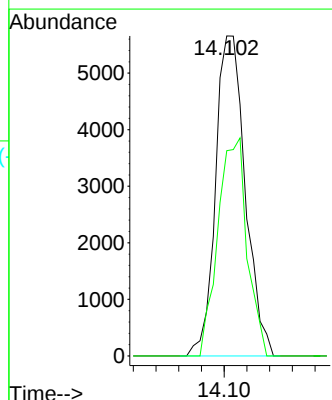
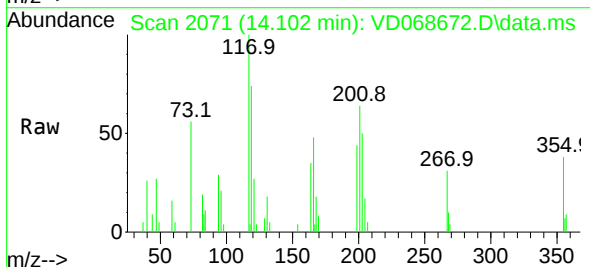
Manual Integrations
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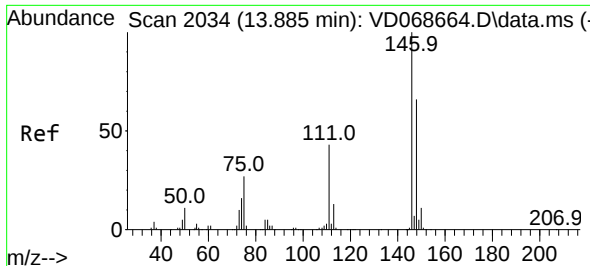
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#90
Hexachloroethane
Concen: 4.08 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. -0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

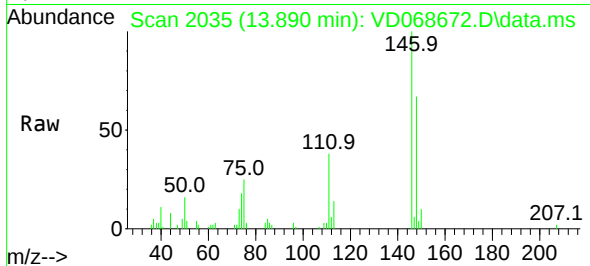
Tgt Ion:	117	Resp:	10287
Ion	Ratio	Lower	Upper
117	100		
201	66.4	35.4	106.2





#91
1,2-Dichlorobenzene
Concen: 4.34 ug/l
RT: 13.890 min Scan# 2035
Delta R.T. 0.006 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

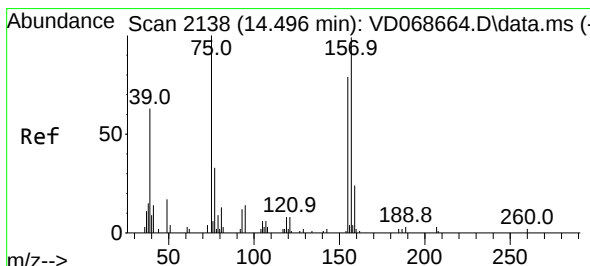
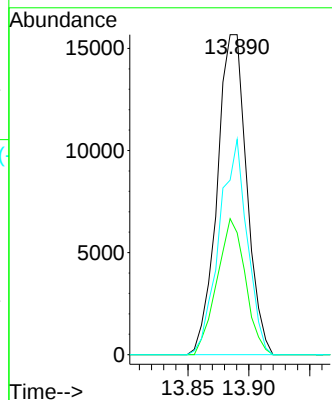
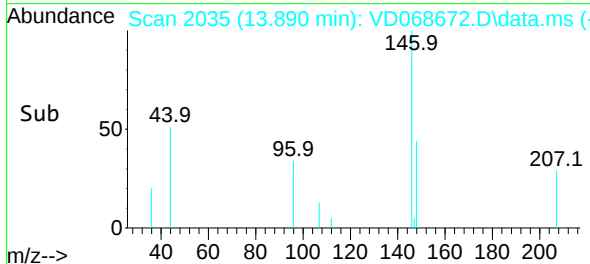
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



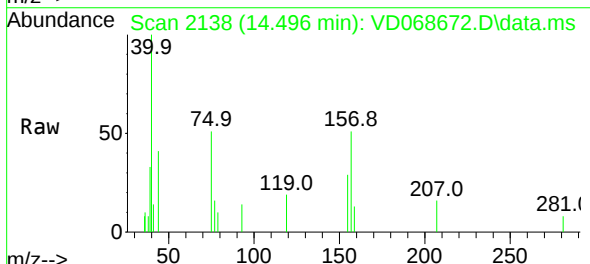
Tgt Ion:146 Resp: 26463
Ion Ratio Lower Upper
146 100
111 40.9 20.3 60.9
148 63.7 32.2 96.6

Manual Integrations
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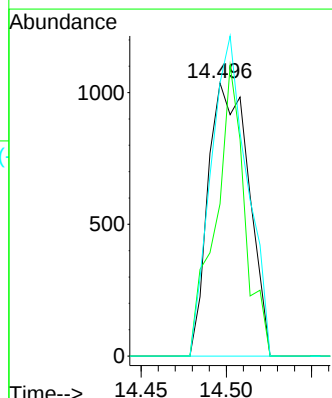
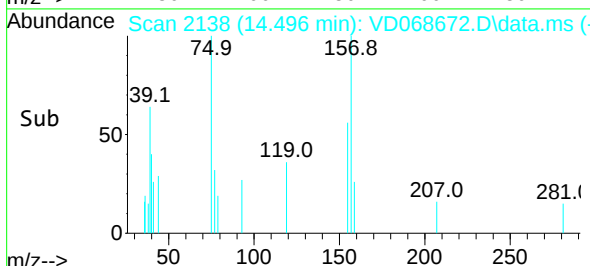
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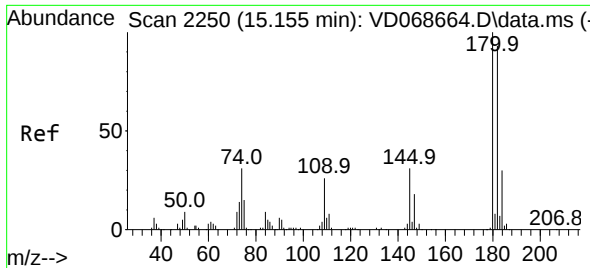


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.40 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



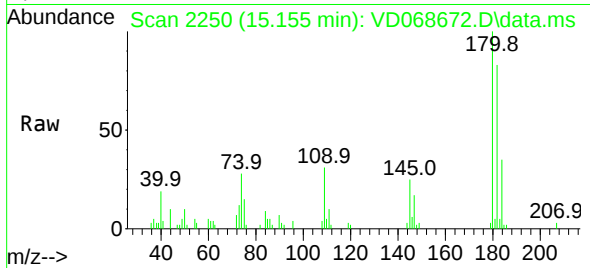
Tgt Ion: 75 Resp: 1709
Ion Ratio Lower Upper
75 100
155 76.5 46.8 140.3
157 105.1 59.8 179.3





#93
1,2,4-Trichlorobenzene
Concen: 3.96 ug/l
RT: 15.155 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

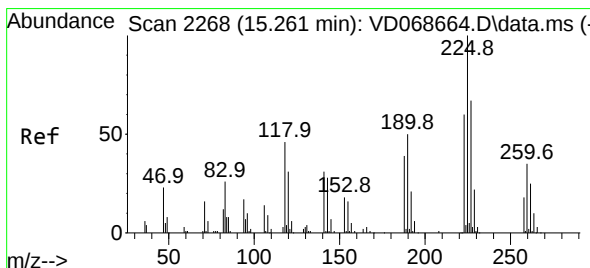
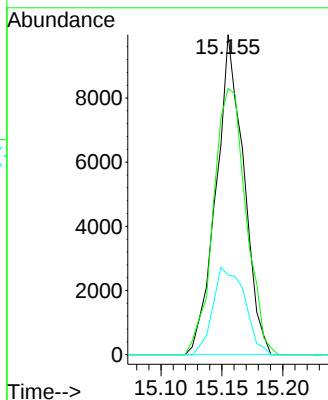
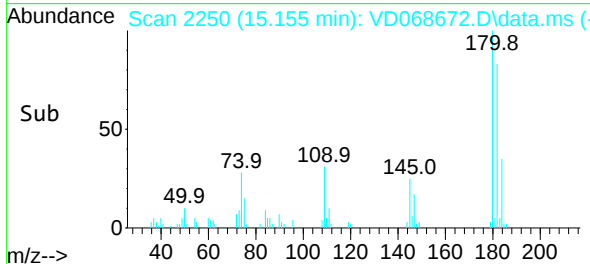
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021



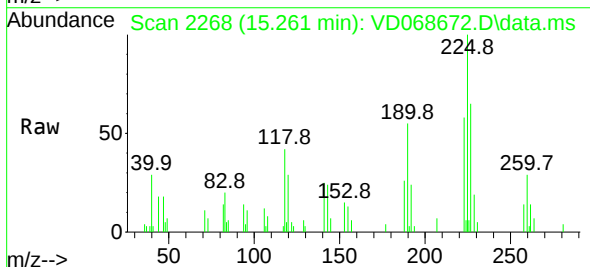
Tgt Ion:180 Resp: 15706
Ion Ratio Lower Upper
180 100
182 98.2 47.9 143.8
145 31.4 15.2 45.6

Manual Integrations
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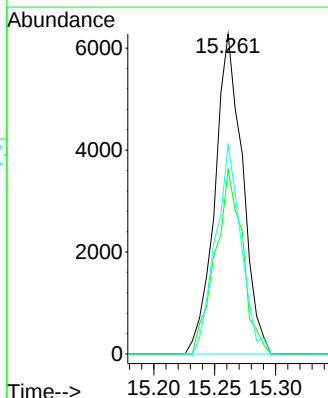
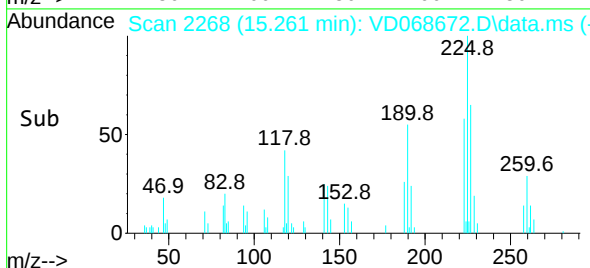
MMDadoda
3/22/2021 11:37:11 AM

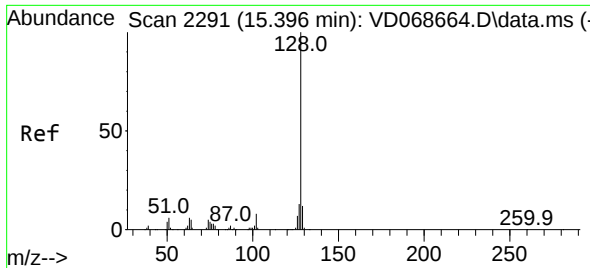


#94
Hexachlorobutadiene
Concen: 4.39 ug/l
RT: 15.261 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06



Tgt Ion:225 Resp: 9937
Ion Ratio Lower Upper
225 100
223 56.8 30.6 91.6
227 60.7 31.4 94.0





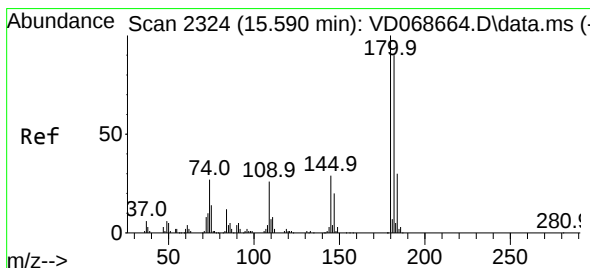
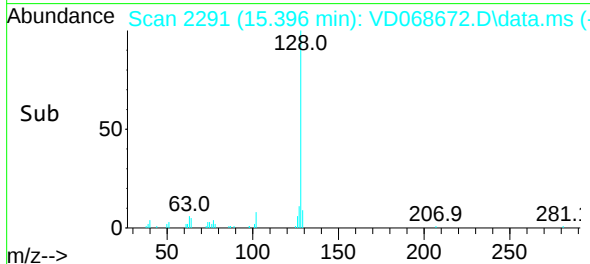
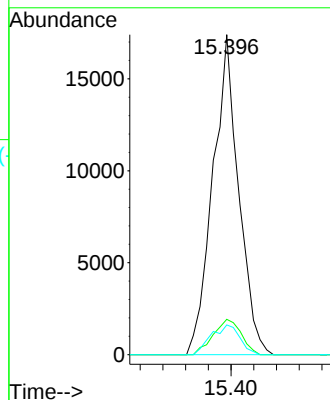
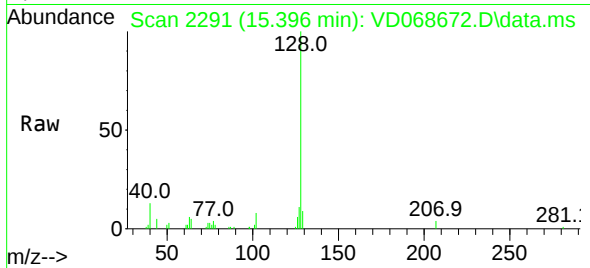
#95
Naphthalene
Concen: 3.97 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:	128	Resp:	27532
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.2	15.4
129	10.3	8.9	13.3

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
APPROVED

MMDadoda
3/22/2021 11:37:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.22 ug/l
RT: 15.590 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VD068672.D
Acq: 19 Mar 2021 20:06

Tgt Ion:	180	Resp:	14235
Ion Ratio	Lower	Upper	
180	100		
182	94.5	46.5	139.3
145	28.0	15.8	47.4

