

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069144.D
 Acq On : 12 May 2021 18:54
 Operator : VA/SY
 Sample : M2262-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:06:12 PM

Quant Time: May 13 04:38:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:37:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	268105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	483406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	448986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	210736	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	148038	55.08	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	110.16%		
35) Dibromofluoromethane	7.920	113	153617	48.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.66%		
50) Toluene-d8	10.338	98	561900	48.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.22%		
62) 4-Bromofluorobenzene	12.626	95	179946	48.38	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.76%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	14171	4.97	ug/l	98
3) Chloromethane	2.209	50	18931	5.78	ug/l	97
4) Vinyl Chloride	2.350	62	20645	4.78	ug/l	94
5) Bromomethane	2.768	94	19267	5.93	ug/l	99
6) Chloroethane	2.926	64	12730	4.58	ug/l	90
7) Trichlorofluoromethane	3.273	101	33594	6.38	ug/l	90
8) Diethyl Ether	3.709	74	8228	6.84	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.097	101	16673	5.58	ug/l	97
10) Methyl Iodide	4.297	142	11737	4.12	ug/l	97
11) Tert butyl alcohol	5.179	59	15882m	86.46	ug/l	
12) 1,1-Dichloroethene	4.067	96	16293	6.07	ug/l	97
13) Acrolein	3.926	56	6660	30.46	ug/l	98
14) Allyl chloride	4.720	41	14236	4.84	ug/l	95
15) Acrylonitrile	5.414	53	11704m	26.07	ug/l	
16) Acetone	4.156	43	12420	30.17	ug/l	93
17) Carbon Disulfide	4.415	76	46887	5.27	ug/l #	93
18) Methyl Acetate	4.726	43	5968	5.97	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	24851	5.11	ug/l	97
20) Methylene Chloride	4.962	84	57760	13.25	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	17161	5.40	ug/l	93
22) Diisopropyl ether	6.367	45	29292	4.98	ug/l #	86
23) Vinyl Acetate	6.309	43	77265	22.28	ug/l	98
24) 1,1-Dichloroethane	6.267	63	28172	5.55	ug/l	98
25) 2-Butanone	7.214	43	15348	27.51	ug/l #	80
26) 2,2-Dichloropropane	7.208	77	25761	5.43	ug/l	97
27) cis-1,2-Dichloroethene	7.220	96	18550	5.37	ug/l	97
28) Bromochloromethane	7.544	49	10215	5.64	ug/l	99
29) Tetrahydrofuran	7.567	42	7801	25.73	ug/l #	84
30) Chloroform	7.714	83	32541	5.69	ug/l	98
31) Cyclohexane	7.985	56	22675	5.69	ug/l #	83
32) 1,1,1-Trichloroethane	7.903	97	27676	5.34	ug/l	98
36) 1,1-Dichloropropene	8.114	75	21791	4.64	ug/l	97
37) Ethyl Acetate	7.303	43	8188	5.42	ug/l #	70
38) Carbon Tetrachloride	8.103	117	24079	4.58	ug/l	91
39) Methylcyclohexane	9.355	83	20570	4.15	ug/l #	92
40) Benzene	8.350	78	67853	5.04	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069144.D
 Acq On : 12 May 2021 18:54
 Operator : VA/SY
 Sample : M2262-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:06:12 PM

Quant Time: May 13 04:38:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:37:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	4178	5.20	ug/l #	89
42) 1,2-Dichloroethane	8.426	62	18451	5.02	ug/l	96
43) Isopropyl Acetate	8.450	43	13588	4.96	ug/l	96
44) Trichloroethene	9.108	130	18448	4.90	ug/l	90
45) 1,2-Dichloropropane	9.391	63	15698	4.94	ug/l #	87
46) Dibromomethane	9.479	93	9935	5.23	ug/l	97
47) Bromodichloromethane	9.661	83	22805	4.72	ug/l	94
48) Methyl methacrylate	9.450	41	6412	5.06	ug/l	89
49) 1,4-Dioxane	9.461	88	1680	94.04	ug/l #	60
51) 4-Methyl-2-Pentanone	10.226	43	33533	23.77	ug/l	96
52) Toluene	10.402	92	41392	4.76	ug/l	92
53) t-1,3-Dichloropropene	10.626	75	20096	4.73	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	23686	4.67	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	12929	5.05	ug/l	93
56) Ethyl methacrylate	10.661	69	10662	4.17	ug/l	89
57) 1,3-Dichloropropane	10.944	76	20223	4.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	27362	21.59	ug/l	99
59) 2-Hexanone	10.985	43	20173	21.43	ug/l	99
60) Dibromochloromethane	11.138	129	16195	4.93	ug/l	97
61) 1,2-Dibromoethane	11.244	107	12846	5.08	ug/l	98
64) Tetrachloroethene	10.873	164	15448	4.95	ug/l	98
65) Chlorobenzene	11.667	112	45632	4.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	17805	5.07	ug/l	97
67) Ethyl Benzene	11.744	91	72257	4.51	ug/l	97
68) m/p-Xylenes	11.855	106	52812	8.42	ug/l	94
69) o-Xylene	12.179	106	23476	4.21	ug/l	99
70) Styrene	12.191	104	40971	4.21	ug/l	98
71) Bromoform	12.361	173	8281	4.54	ug/l #	88
73) Isopropylbenzene	12.479	105	62313	4.23	ug/l	100
74) N-amyl acetate	12.285	43	11402	4.73	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	13563	5.08	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	9028m	5.70	ug/l	
77) Bromobenzene	12.755	156	17663	5.05	ug/l	93
78) n-propylbenzene	12.814	91	79187	4.46	ug/l	97
79) 2-Chlorotoluene	12.902	91	47742	4.83	ug/l	95
80) 1,3,5-Trimethylbenzene	12.955	105	53027	4.37	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	3584	4.57	ug/l	99
82) 4-Chlorotoluene	13.002	91	49789	4.73	ug/l	100
83) tert-Butylbenzene	13.220	119	43978	4.35	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	50452	4.13	ug/l	99
85) sec-Butylbenzene	13.396	105	64979	4.27	ug/l	100
86) p-Isopropyltoluene	13.508	119	53977	4.04	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	35438	5.01	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	35308	5.04	ug/l	93
89) n-Butylbenzene	13.838	91	51485	4.13	ug/l	98
90) Hexachloroethane	14.102	117	11763	4.69	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	29918	4.92	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	2292	5.53	ug/l	79
93) 1,2,4-Trichlorobenzene	15.155	180	17396	4.67	ug/l	100
94) Hexachlorobutadiene	15.261	225	10178	4.56	ug/l	90
95) Naphthalene	15.396	128	26655	4.27	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	14725	4.62	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
Data File : VD069144.D
Acq On : 12 May 2021 18:54
Operator : VA/SY
Sample : M2262-02 5PPBLOQ
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

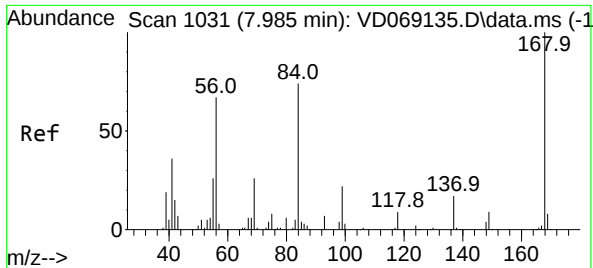
Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM

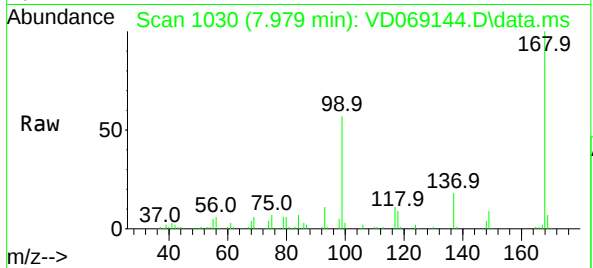
Quant Time: May 13 04:38:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:37:04 2021
Response via : Initial Calibration

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

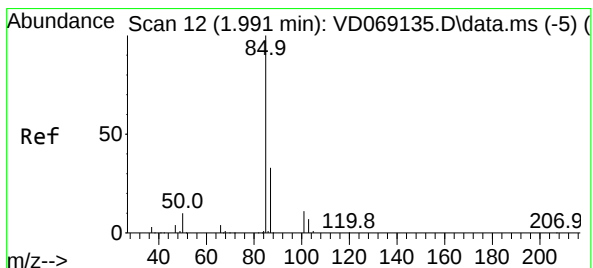
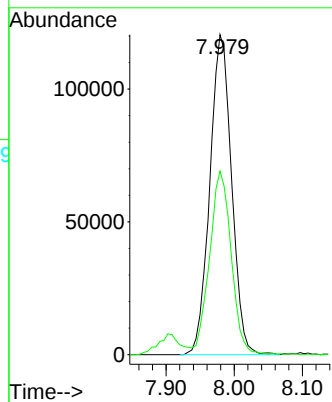
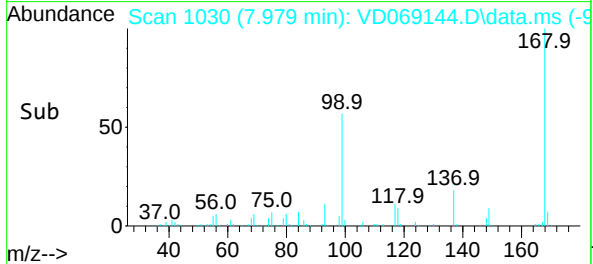
(#) = qualifier out of range (m) = manual integration (+) = signals summed



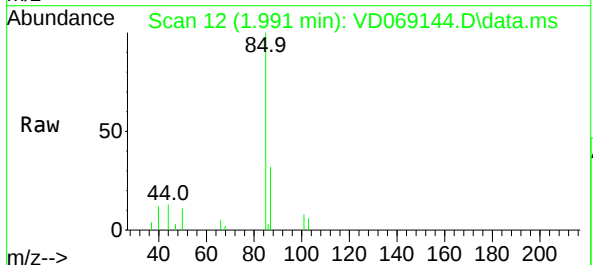
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



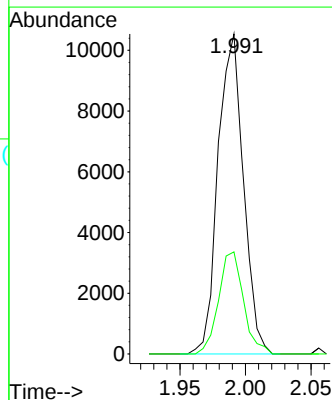
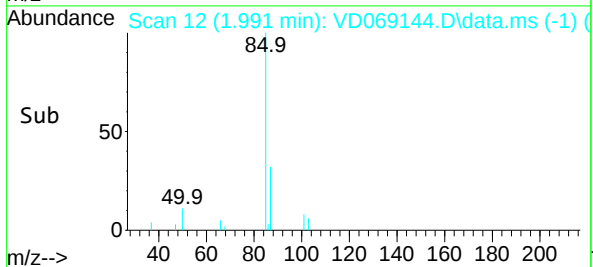
Tgt Ion: 168 Resp: 268105
Ion Ratio Lower Upper
168 100
99 57.1 47.2 70.8



#2
Dichlorodifluoromethane
Concen: 4.97 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



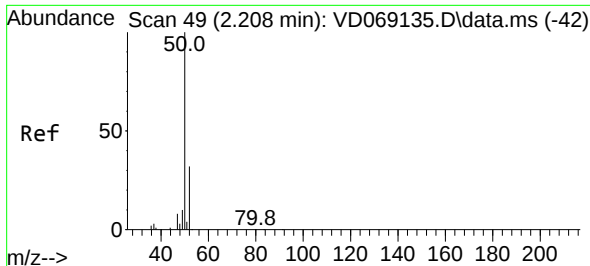
Tgt Ion: 85 Resp: 14171
Ion Ratio Lower Upper
85 100
87 31.9 16.5 49.5



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



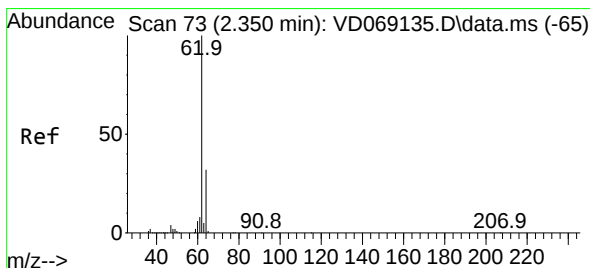
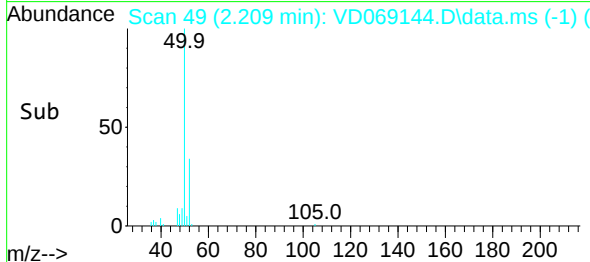
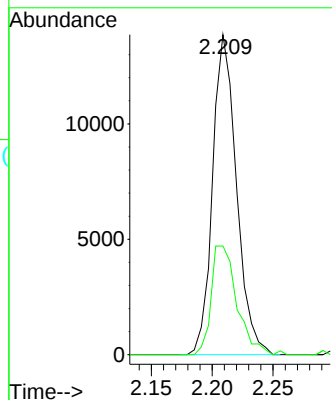
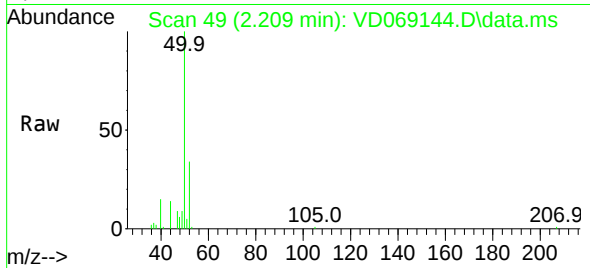
#3
Chloromethane
Concen: 5.78 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 50 Resp: 18931
Ion Ratio Lower Upper
50 100
52 34.0 25.8 38.8

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

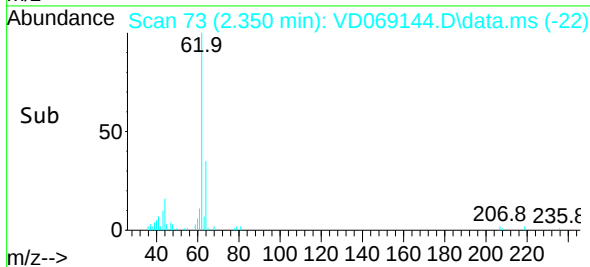
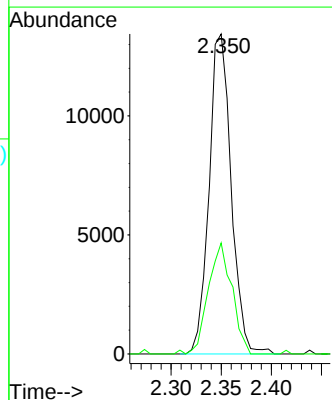
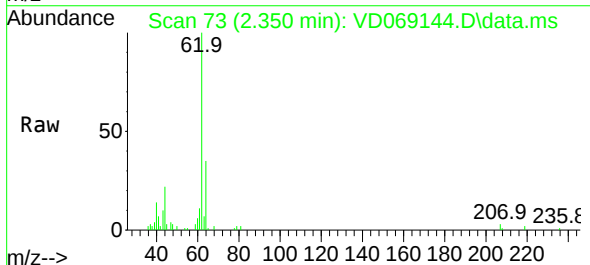
Manual Integrations
APPROVED

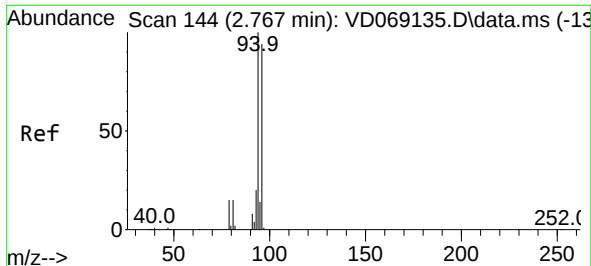
MMDadoda
5/13/2021 4:06:12 PM



#4
Vinyl Chloride
Concen: 4.78 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 62 Resp: 20645
Ion Ratio Lower Upper
62 100
64 34.7 25.3 37.9





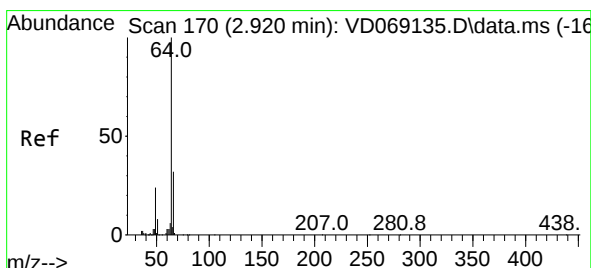
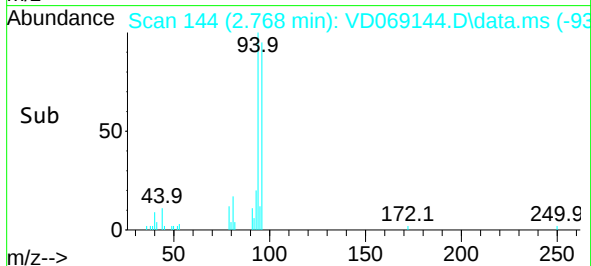
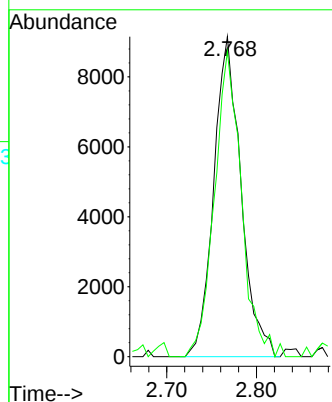
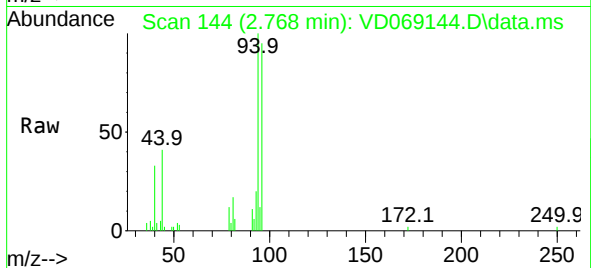
#5
Bromomethane
Concen: 5.93 ug/l
RT: 2.768 min Scan# 144
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 94 Resp: 19267
Ion Ratio Lower Upper
94 100
96 95.4 75.4 113.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

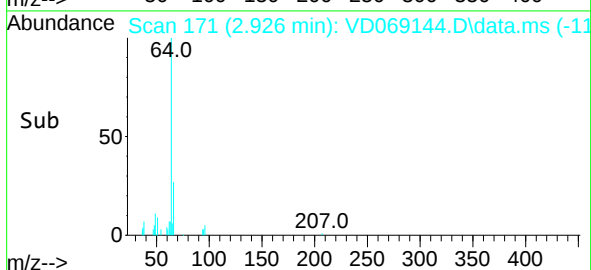
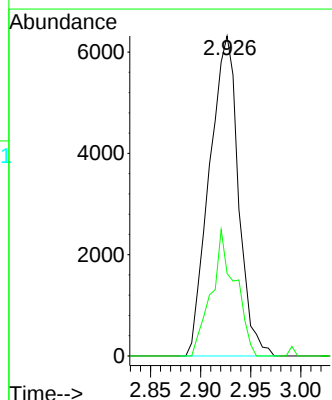
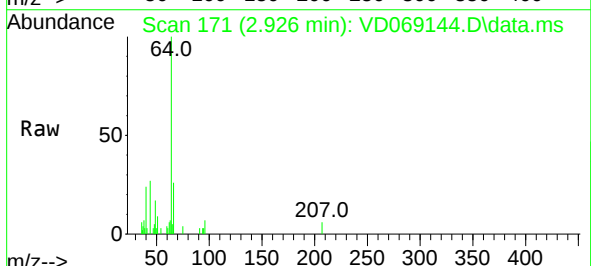
Manual Integrations
APPROVED

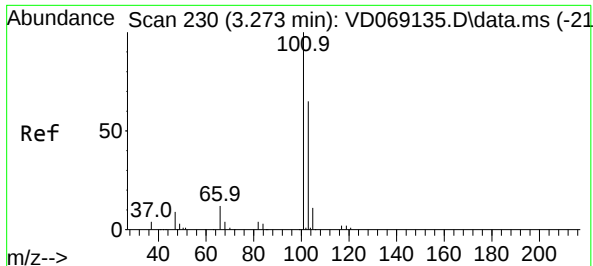
MMDadoda
5/13/2021 4:06:12 PM



#6
Chloroethane
Concen: 4.58 ug/l
RT: 2.926 min Scan# 171
Delta R.T. 0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 64 Resp: 12730
Ion Ratio Lower Upper
64 100
66 25.8 25.2 37.8





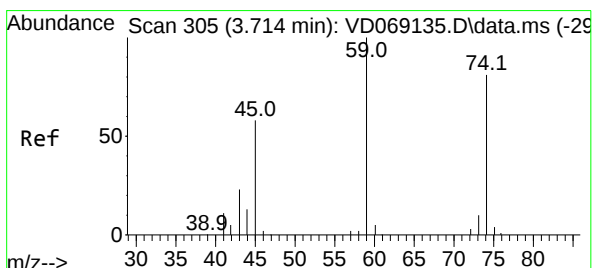
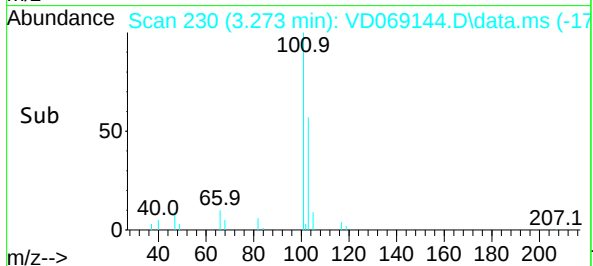
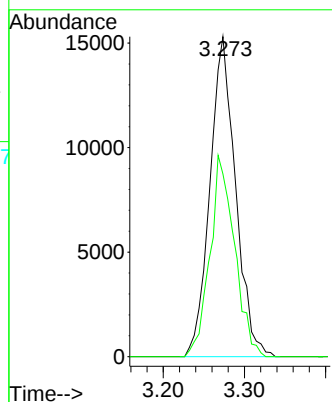
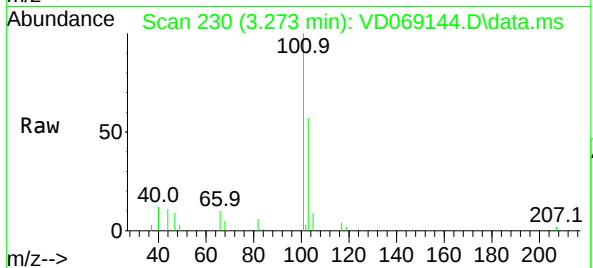
#7
Trichlorofluoromethane
Concen: 6.38 ug/l
RT: 3.273 min Scan# 230
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 101 Resp: 33594
Ion Ratio Lower Upper
101 100
103 57.1 51.9 77.9

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

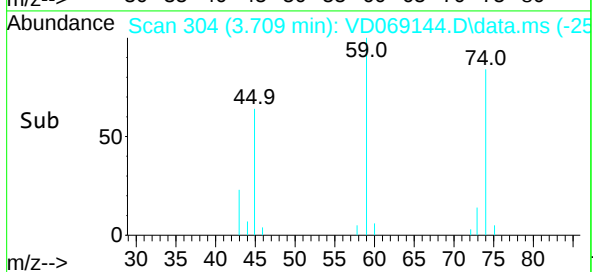
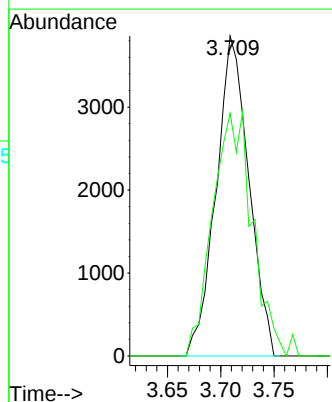
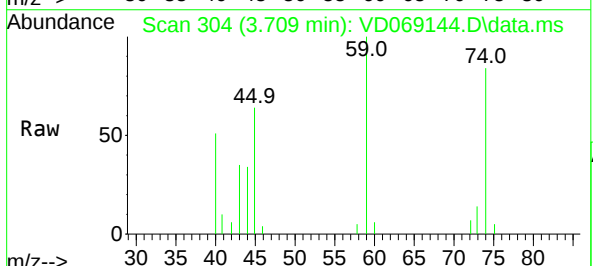
Manual Integrations
APPROVED

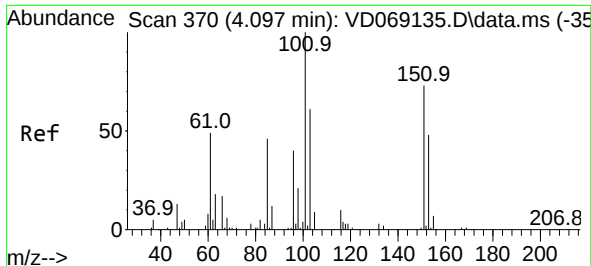
MMDadoda
5/13/2021 4:06:12 PM



#8
Diethyl Ether
Concen: 6.84 ug/l
RT: 3.709 min Scan# 304
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 74 Resp: 8228
Ion Ratio Lower Upper
74 100
45 92.1 38.1 114.5





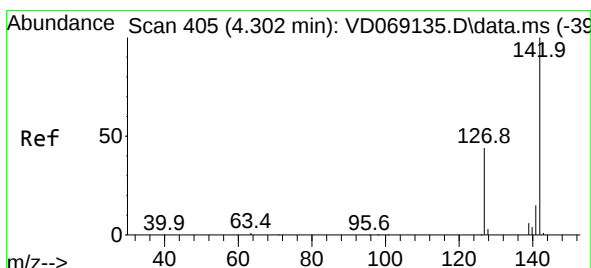
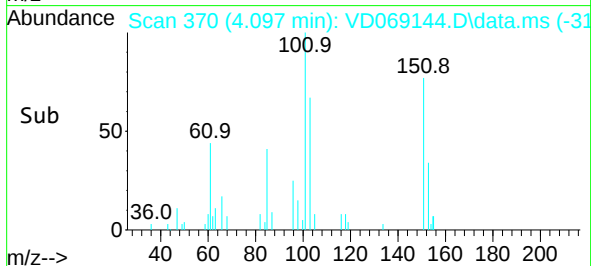
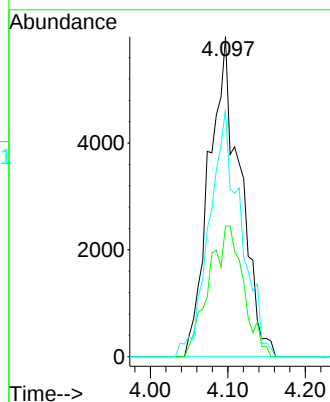
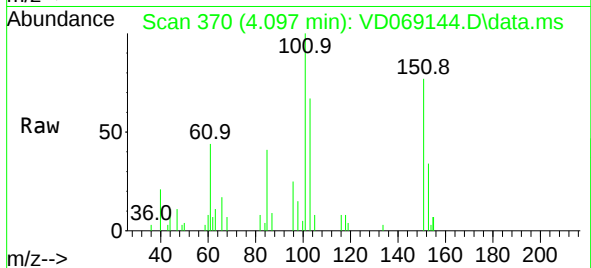
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.58 ug/l
RT: 4.097 min Scan# 370
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:	101	Resp:	16673
Ion	Ratio	Lower	Upper
101	100		
85	45.2	35.2	52.8
151	78.5	60.6	91.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

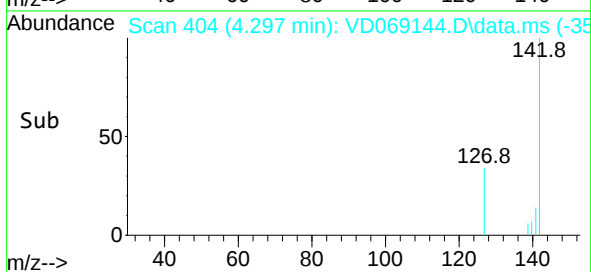
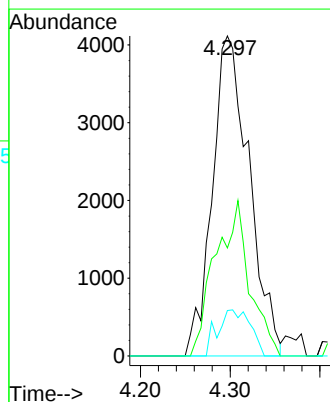
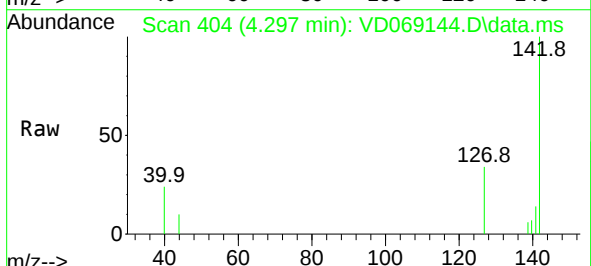
Manual Integrations
APPROVED

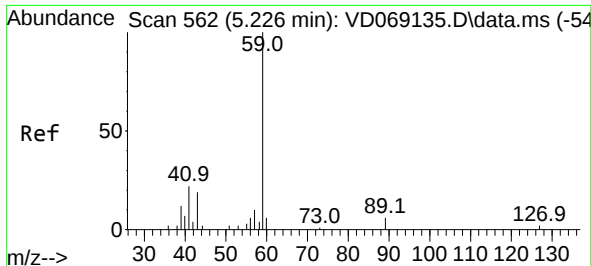
MMDadoda
5/13/2021 4:06:12 PM



#10
Methyl Iodide
Concen: 4.12 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.005 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

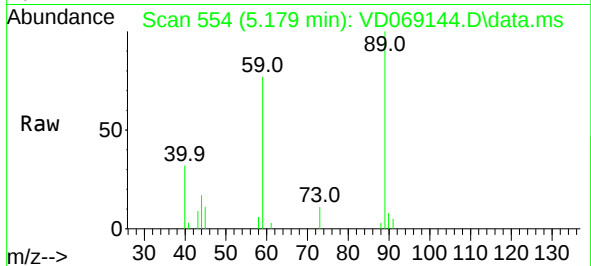
Tgt Ion:	142	Resp:	11737
Ion	Ratio	Lower	Upper
142	100		
127	45.3	37.3	55.9
141	12.8	12.2	18.4





#11
Tert butyl alcohol
Concen: 86.46 ug/l m
RT: 5.179 min Scan# 554
Delta R.T. -0.047 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

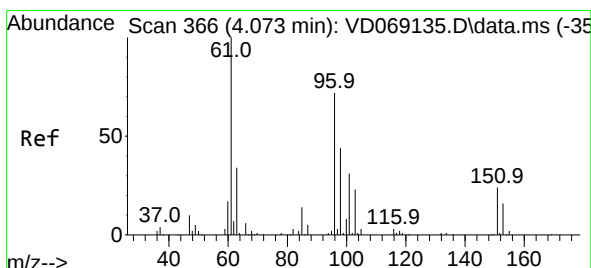
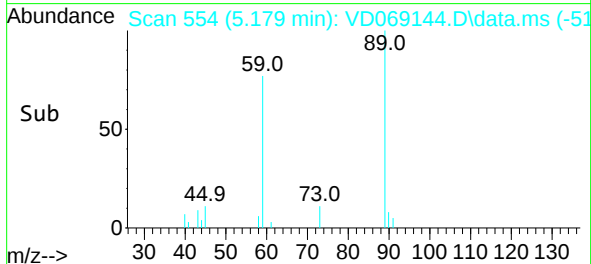
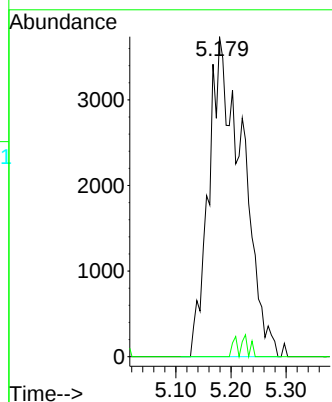
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



Tgt Ion: 59 Resp: 15882
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

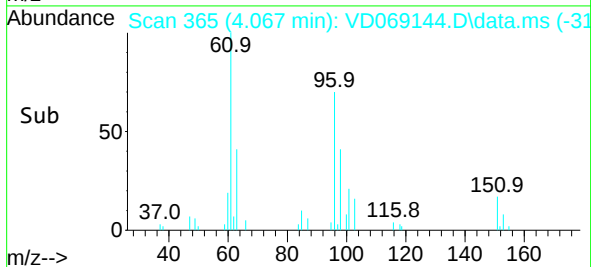
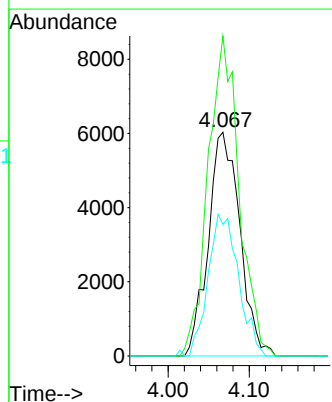
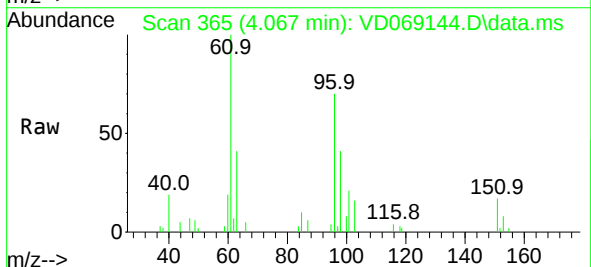
Manual Integrations
APPROVED

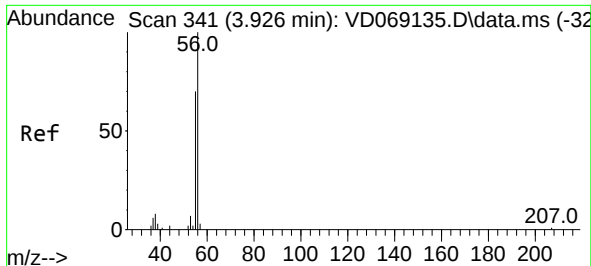
MMDadoda
5/13/2021 4:06:12 PM



#12
1,1-Dichloroethene
Concen: 6.07 ug/l
RT: 4.067 min Scan# 365
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

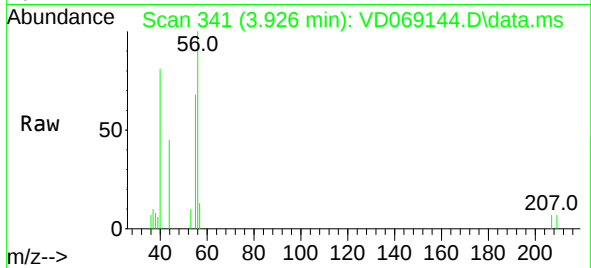
Tgt Ion: 96 Resp: 16293
Ion Ratio Lower Upper
96 100
61 143.1 111.1 166.7
98 58.8 48.4 72.6





#13
Acrolein
Concen: 30.46 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

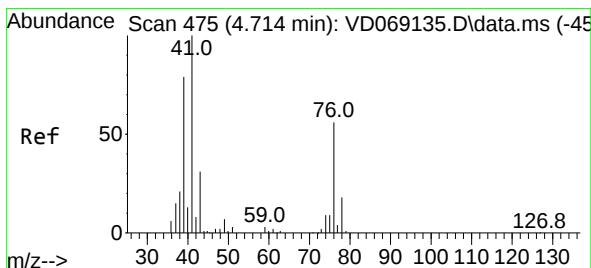
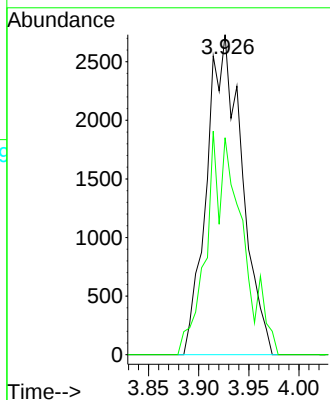
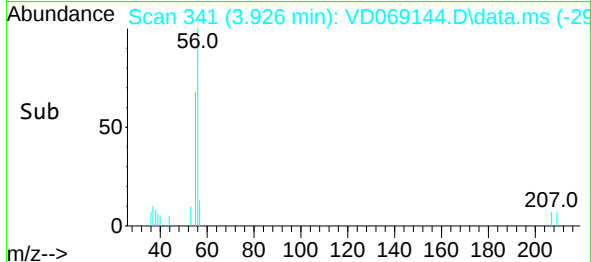
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



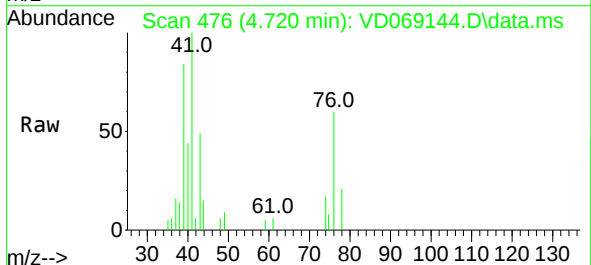
Tgt Ion: 56 Resp: 6660
Ion Ratio Lower Upper
56 100
55 69.8 56.9 85.3

Manual Integrations
APPROVED

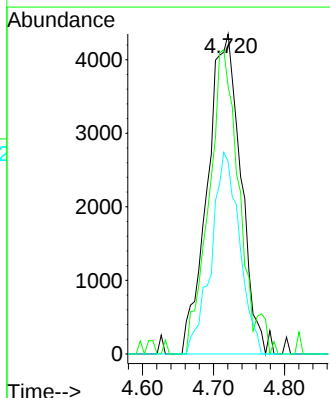
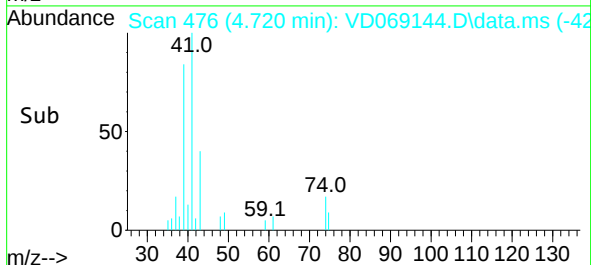
MMDadoda
5/13/2021 4:06:12 PM

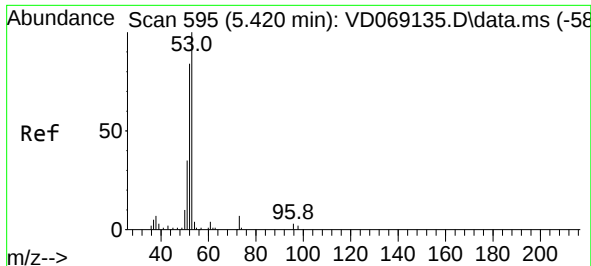


#14
Allyl chloride
Concen: 4.84 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

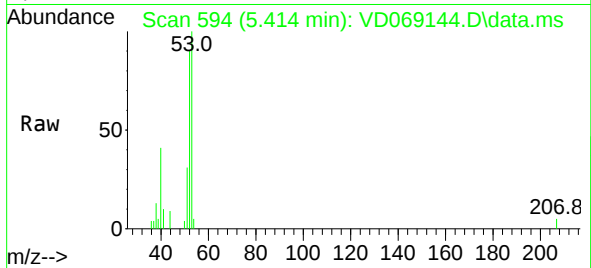


Tgt Ion: 41 Resp: 14236
Ion Ratio Lower Upper
41 100
39 86.5 64.3 96.5
76 53.0 43.6 65.4

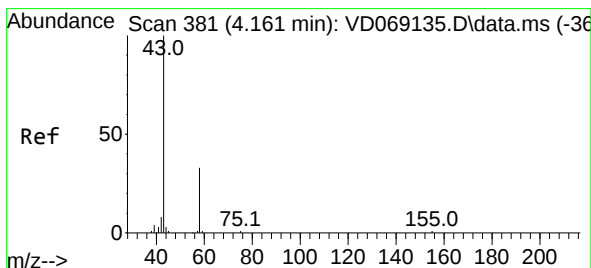
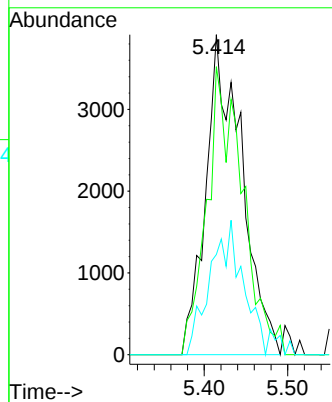
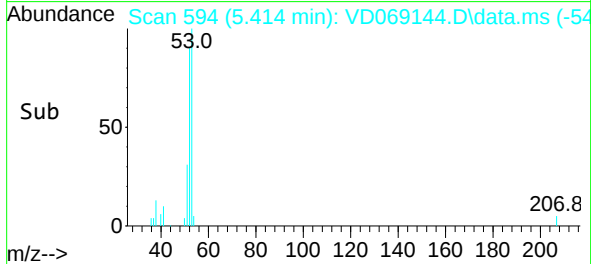




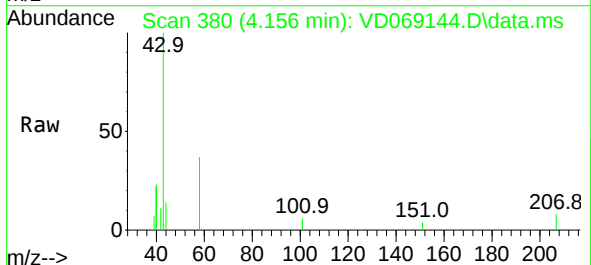
#15
Acrylonitrile
Concen: 26.07 ug/l m
RT: 5.414 min Scan# 594
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



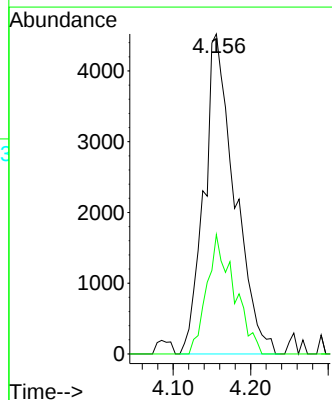
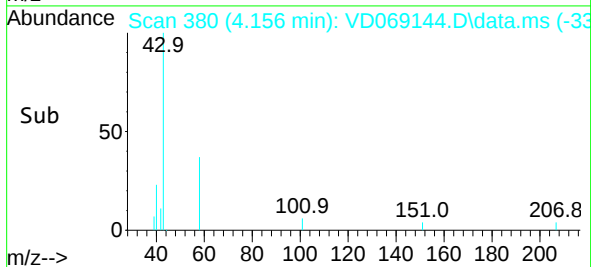
Tgt Ion: 53 Resp: 11704
Ion Ratio Lower Upper
53 100
52 47.9 64.5 96.7#
51 20.5 30.4 45.6#



#16
Acetone
Concen: 30.17 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



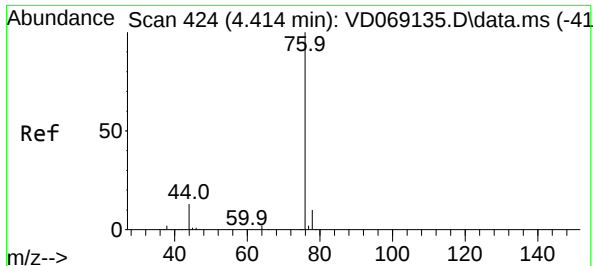
Tgt Ion: 43 Resp: 12420
Ion Ratio Lower Upper
43 100
58 37.3 26.7 40.1



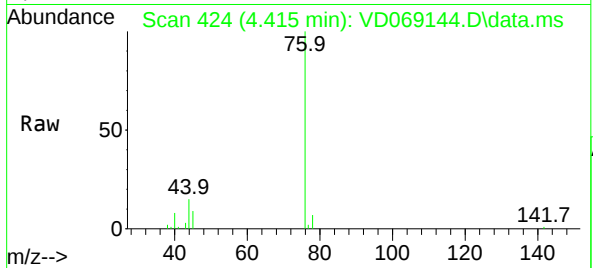
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

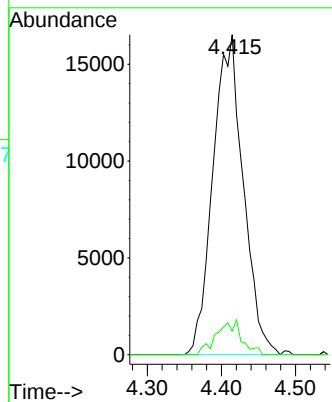
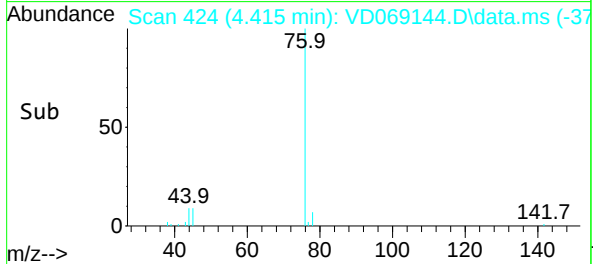
MMDadoda
5/13/2021 4:06:12 PM



#17
Carbon Disulfide
Concen: 5.27 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



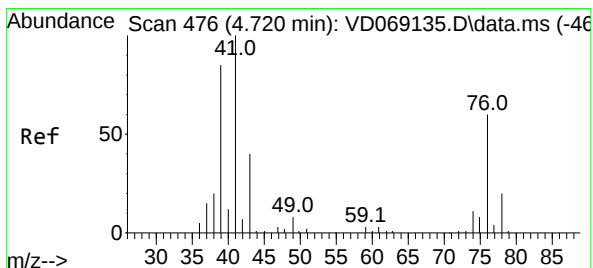
Tgt Ion: 76 Resp: 46887
Ion Ratio Lower Upper
76 100
78 7.3 8.1 12.1#



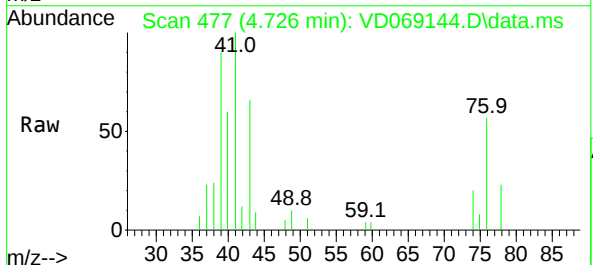
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

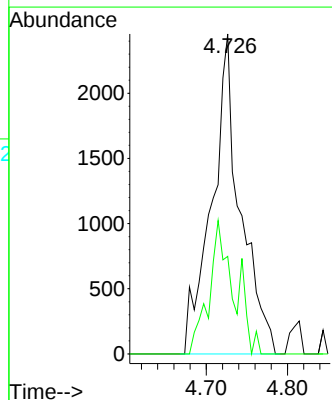
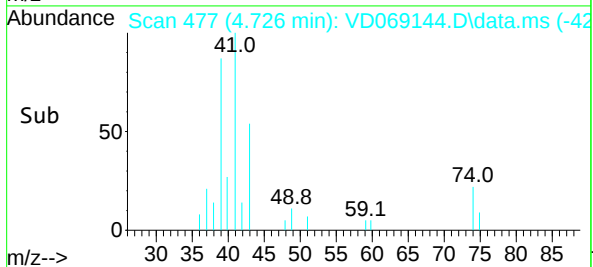
MMDadoda
5/13/2021 4:06:12 PM



#18
Methyl Acetate
Concen: 5.97 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



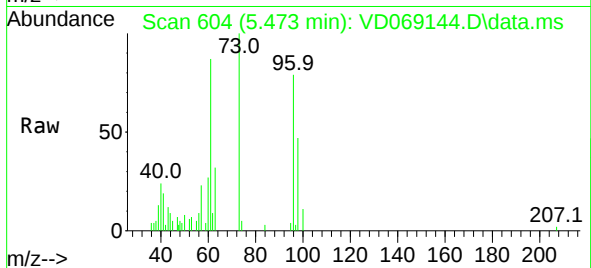
Tgt Ion: 43 Resp: 5968
Ion Ratio Lower Upper
43 100
74 29.6 23.8 35.6





#19
Methyl tert-butyl Ether
Concen: 5.11 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

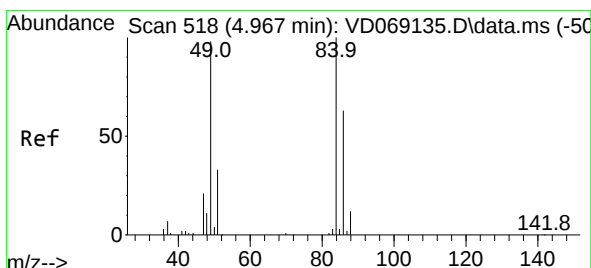
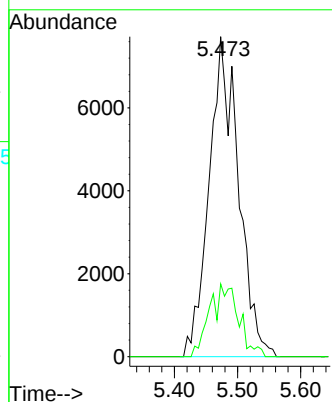
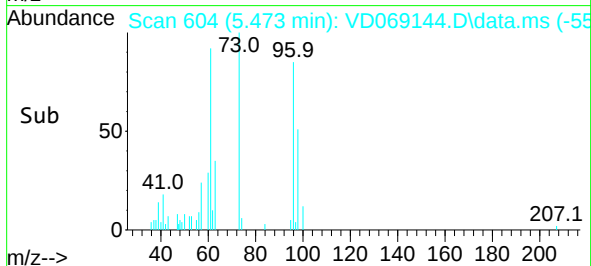
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



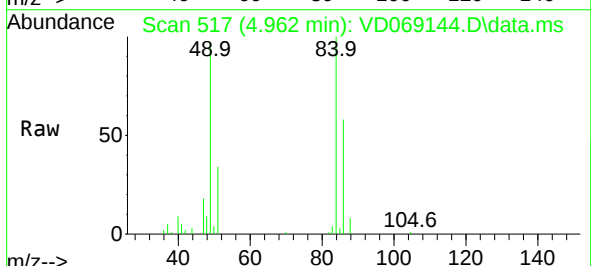
Tgt Ion: 73 Resp: 24851
Ion Ratio Lower Upper
73 100
57 22.7 17.1 25.7

Manual Integrations
APPROVED

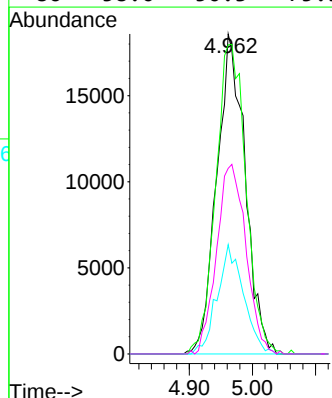
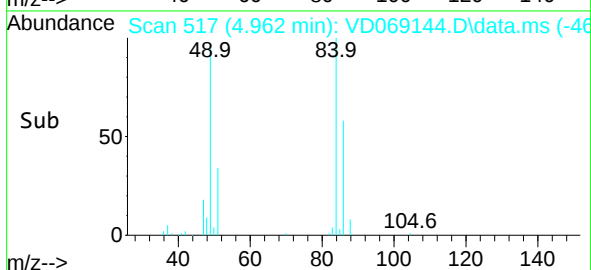
MMDadoda
5/13/2021 4:06:12 PM

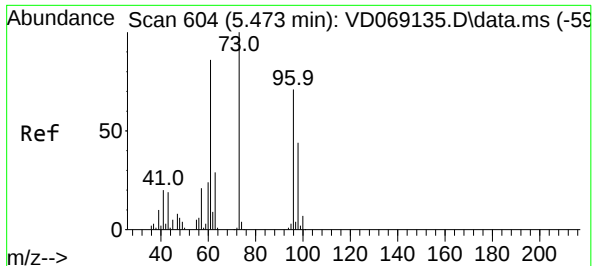


#20
Methylene Chloride
Concen: 13.25 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

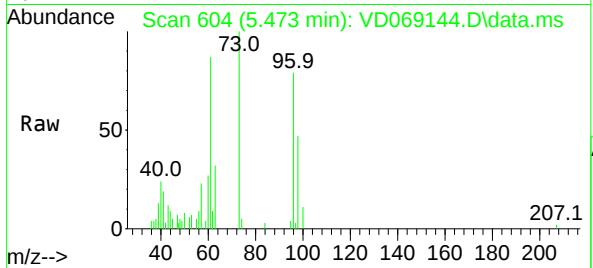


Tgt Ion: 84 Resp: 57760
Ion Ratio Lower Upper
84 100
49 96.6 78.6 117.8
51 34.1 26.7 40.1
86 58.0 50.3 75.5



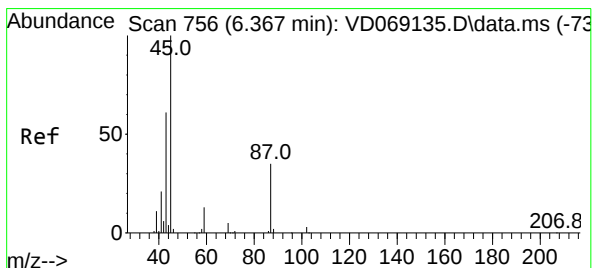
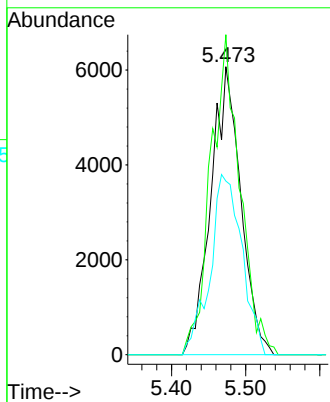
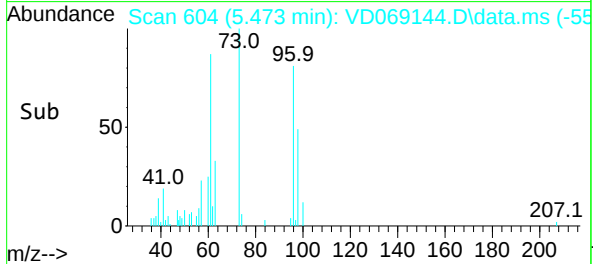


#21
trans-1,2-Dichloroethene
Concen: 5.40 ug/l
RT: 5.473 min Scan# 604
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

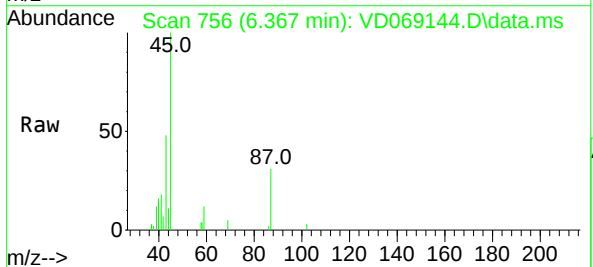


Tgt Ion: 96 Resp: 17161

Ion	Ratio	Lower	Upper
96	100		
61	111.1	97.7	146.5
98	60.3	49.4	74.2

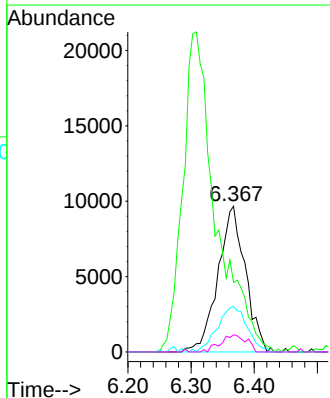
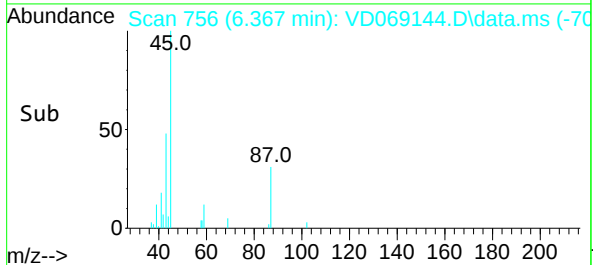


#22
Diisopropyl ether
Concen: 4.98 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



Tgt Ion: 45 Resp: 29292

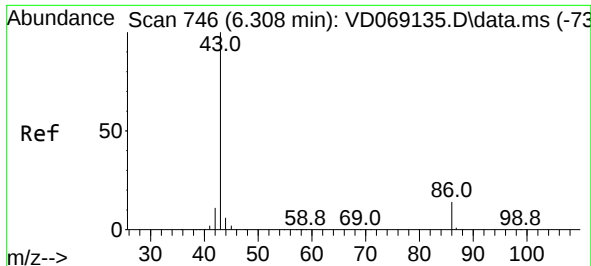
Ion	Ratio	Lower	Upper
45	100		
43	45.6	48.6	73.0#
87	31.3	28.5	42.7
59	11.8	10.5	15.7



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

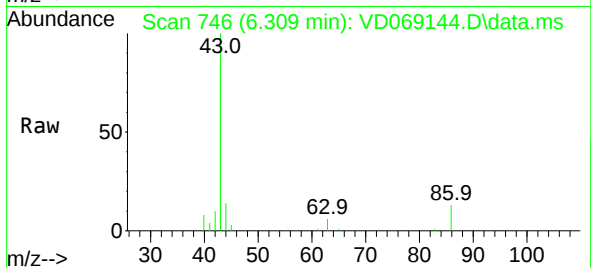
Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



#23
 Vinyl Acetate
 Concen: 22.28 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. 0.000 min
 Lab File: VD069144.D
 Acq: 12 May 2021 18:54

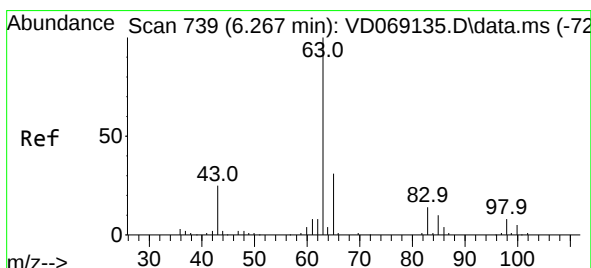
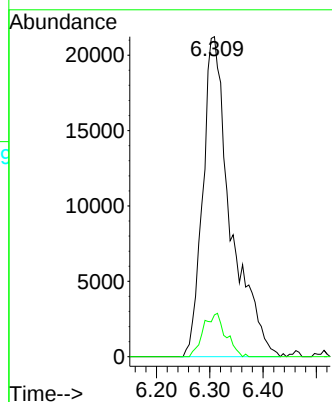
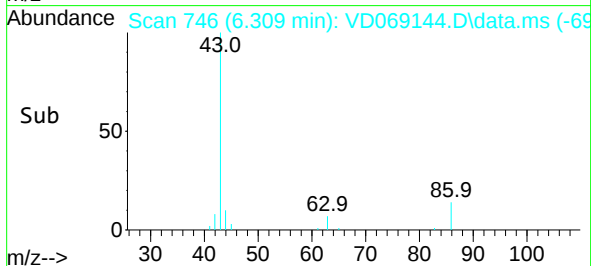
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2021



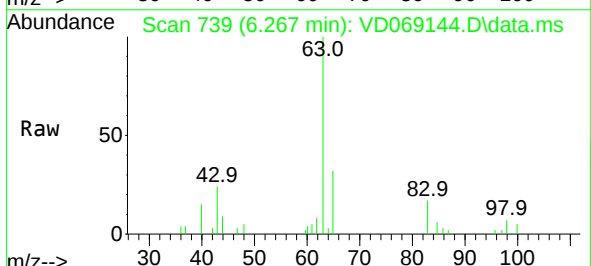
Tgt Ion: 43 Resp: 77265
 Ion Ratio Lower Upper
 43 100
 86 13.1 11.1 16.7

Manual Integrations
 APPROVED

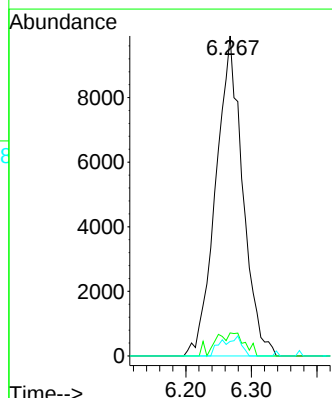
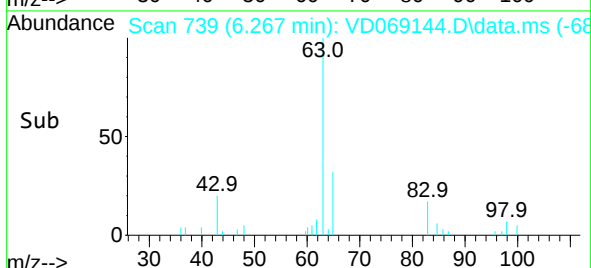
MMDadoda
 5/13/2021 4:06:12 PM

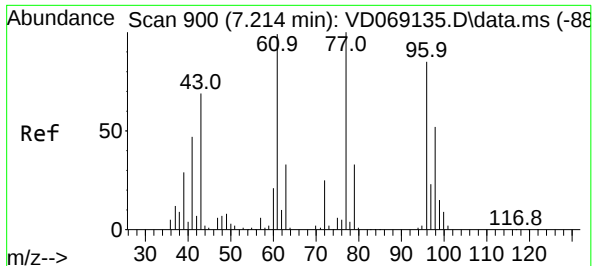


#24
 1,1-Dichloroethane
 Concen: 5.55 ug/l
 RT: 6.267 min Scan# 739
 Delta R.T. 0.000 min
 Lab File: VD069144.D
 Acq: 12 May 2021 18:54



Tgt Ion: 63 Resp: 28172
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.9 11.5
 100 4.6 2.5 7.6





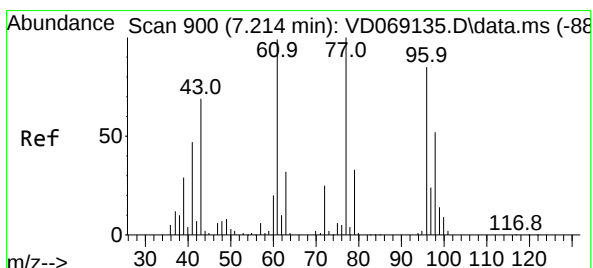
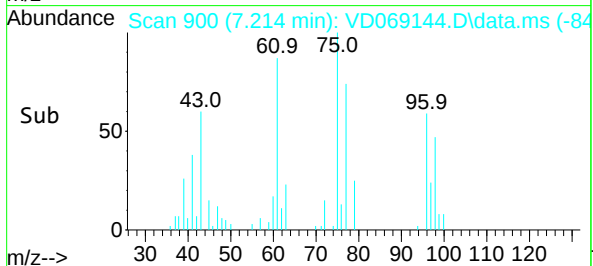
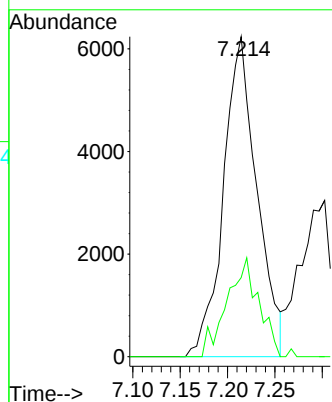
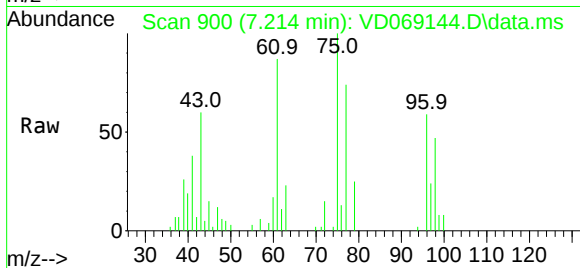
#25
2-Butanone
Concen: 27.51 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 43 Resp: 15348
Ion Ratio Lower Upper
43 100
72 24.7 29.1 43.7#

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

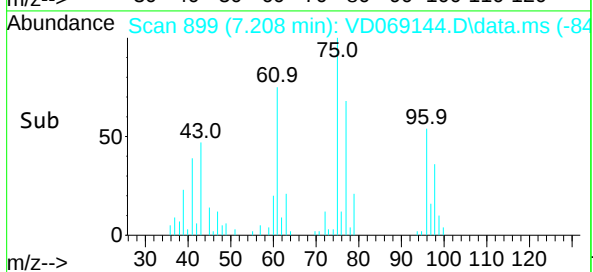
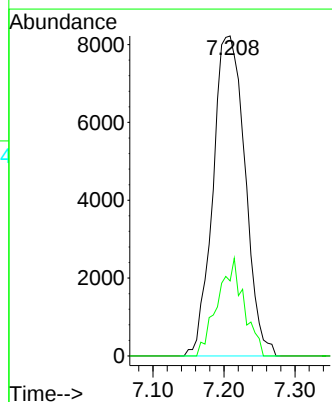
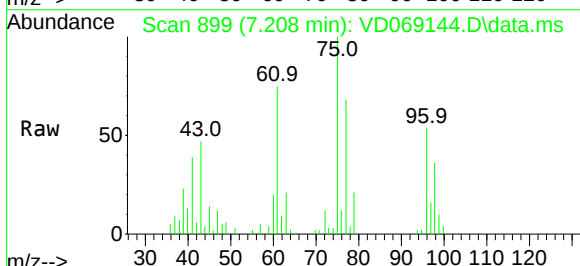
Manual Integrations
APPROVED

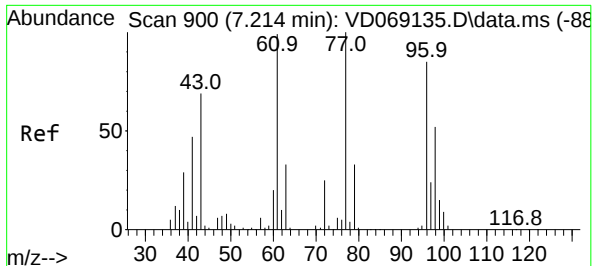
MMDadoda
5/13/2021 4:06:12 PM



#26
2,2-Dichloropropane
Concen: 5.43 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 77 Resp: 25761
Ion Ratio Lower Upper
77 100
97 25.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 5.37 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.006 min

Lab File: VD069144.D

Acq: 12 May 2021 18:54

Tgt Ion:	96	Resp:	18550
Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	263.8
98	62.8	0.0	132.2

Instrument :

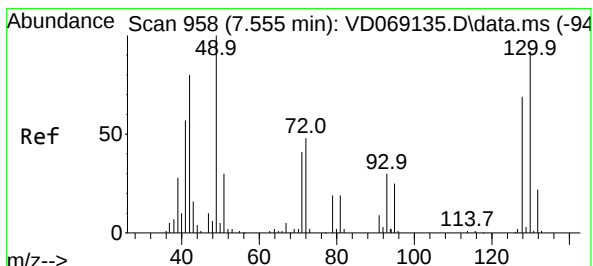
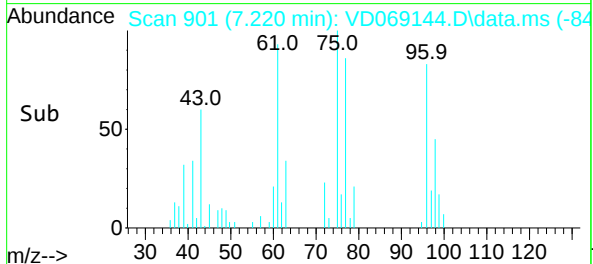
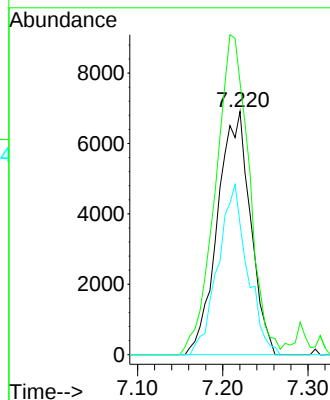
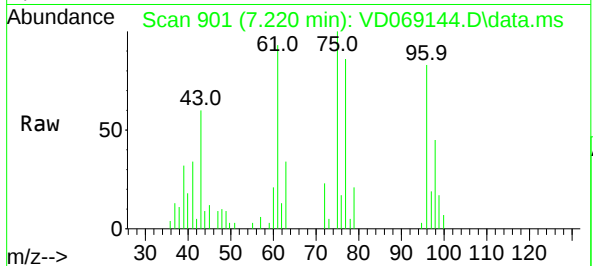
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



#28

Bromochloromethane

Concen: 5.64 ug/l

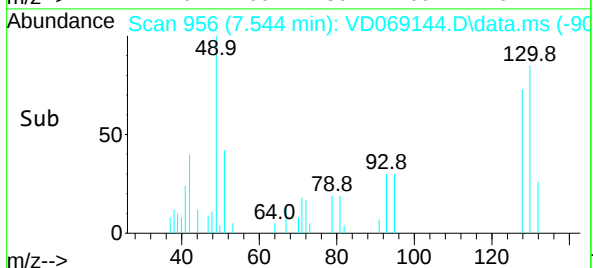
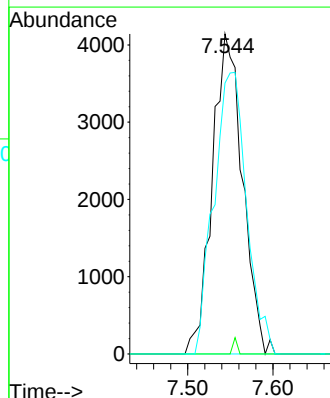
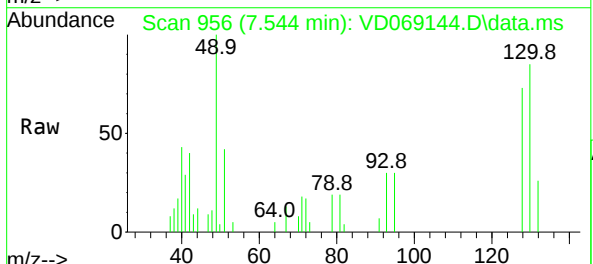
RT: 7.544 min Scan# 956

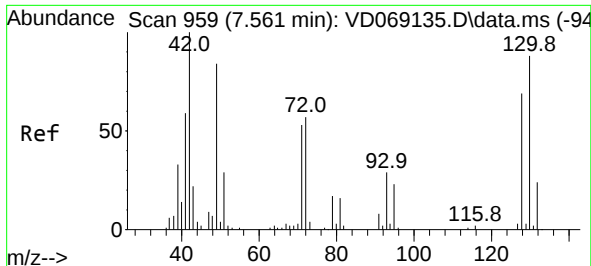
Delta R.T. -0.011 min

Lab File: VD069144.D

Acq: 12 May 2021 18:54

Tgt Ion:	49	Resp:	10215
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	6.4
130	95.0	75.8	113.6





#29

Tetrahydrofuran

Concen: 25.73 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.006 min

Lab File: VD069144.D

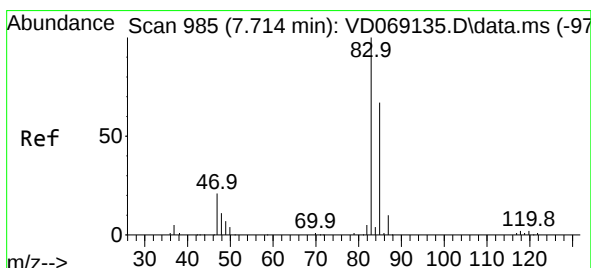
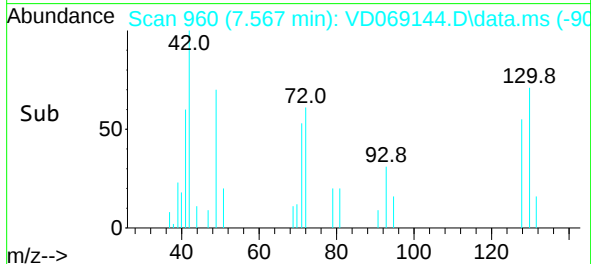
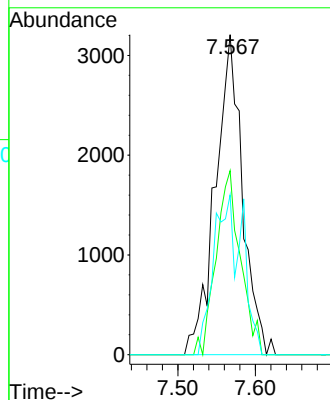
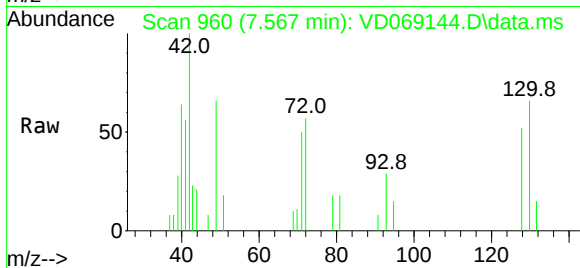
Acq: 12 May 2021 18:54

Tgt Ion:	42	Resp:	7801
Ion	Ratio	Lower	Upper
42	100		
72	51.5	45.9	68.9
71	36.2	42.9	64.3#

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



#30

Chloroform

Concen: 5.69 ug/l

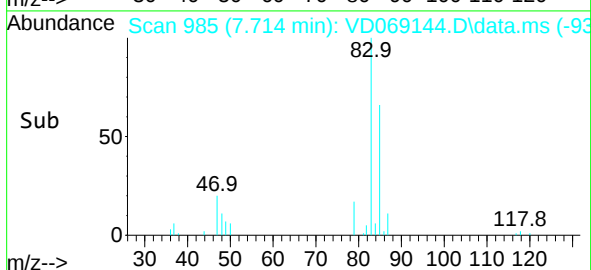
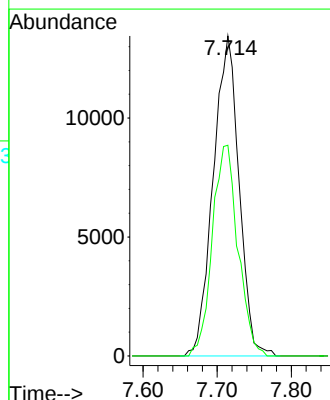
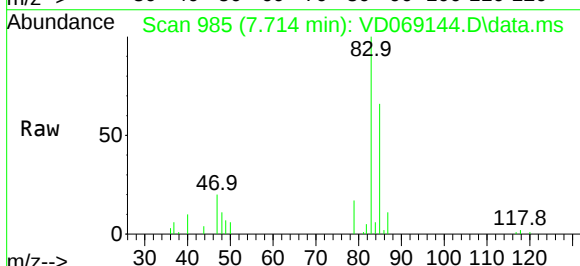
RT: 7.714 min Scan# 985

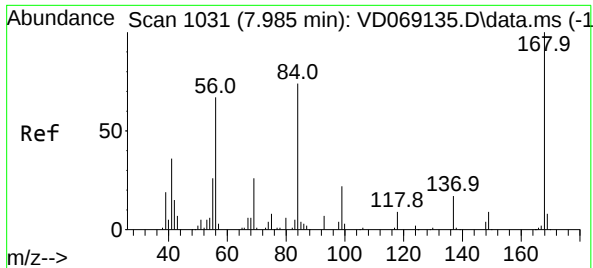
Delta R.T. 0.000 min

Lab File: VD069144.D

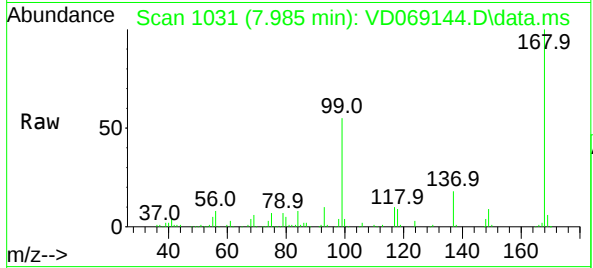
Acq: 12 May 2021 18:54

Tgt Ion:	83	Resp:	32541
Ion	Ratio	Lower	Upper
83	100		
85	65.9	54.0	81.0

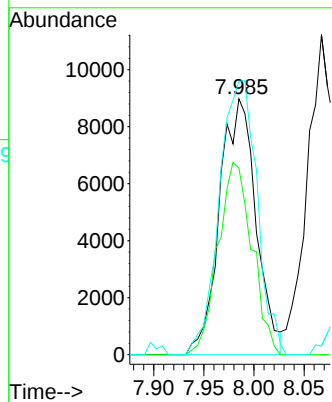
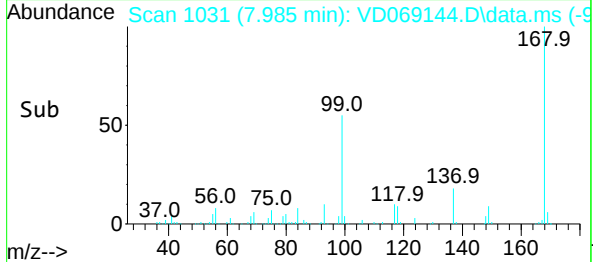




#31
Cyclohexane
Concen: 5.69 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



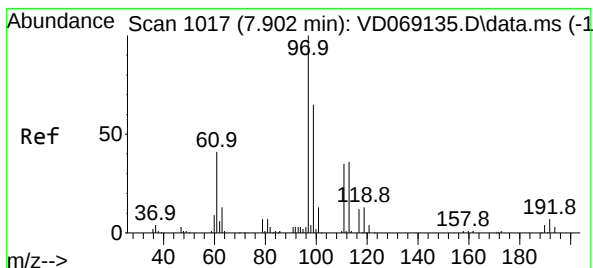
Tgt Ion: 56 Resp: 22675
Ion Ratio Lower Upper
56 100
69 72.9 30.6 46.0#
84 106.8 88.0 132.0



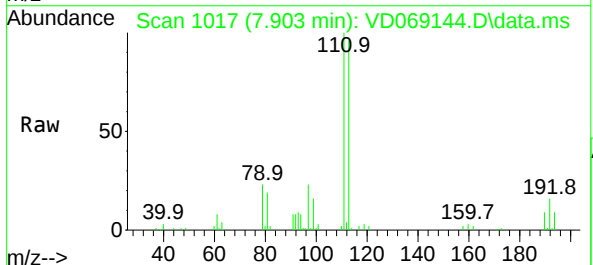
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

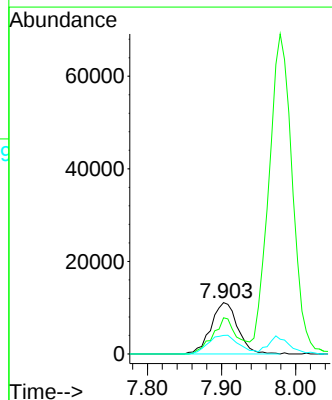
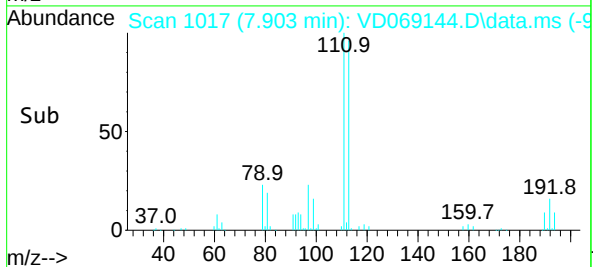
MMDadoda
5/13/2021 4:06:12 PM

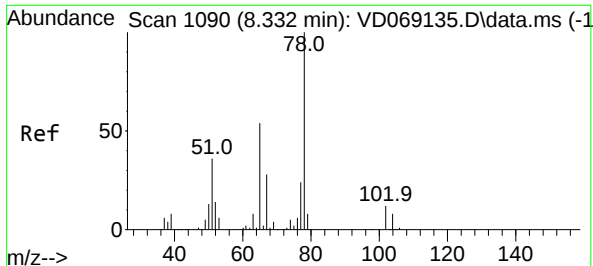


#32
1,1,1-Trichloroethane
Concen: 5.34 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



Tgt Ion: 97 Resp: 27676
Ion Ratio Lower Upper
97 100
99 65.5 51.5 77.3
61 42.0 32.5 48.7





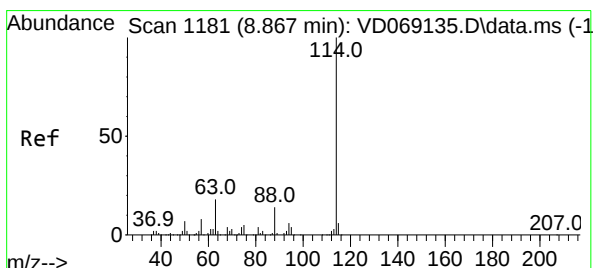
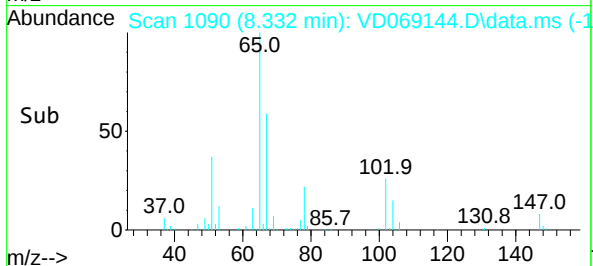
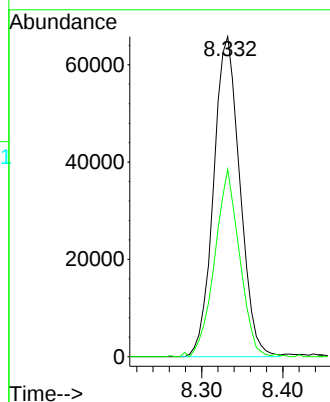
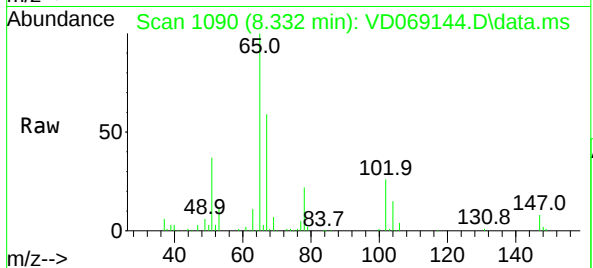
#33
1,2-Dichloroethane-d4
Concen: 55.08 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 65 Resp: 148038
Ion Ratio Lower Upper
65 100
67 55.6 0.0 108.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

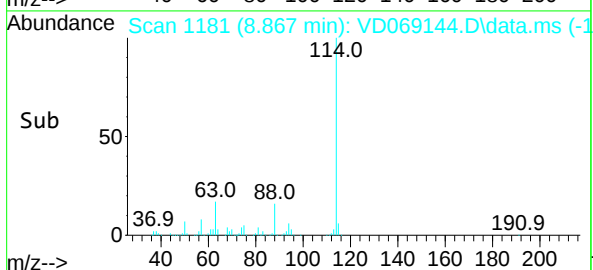
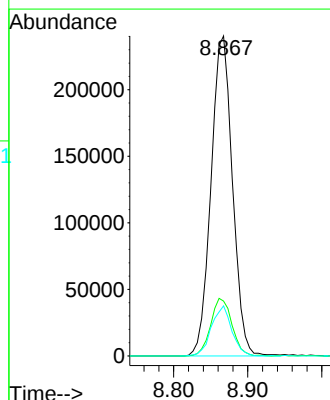
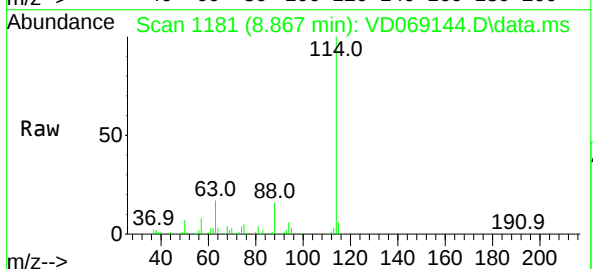
Manual Integrations
APPROVED

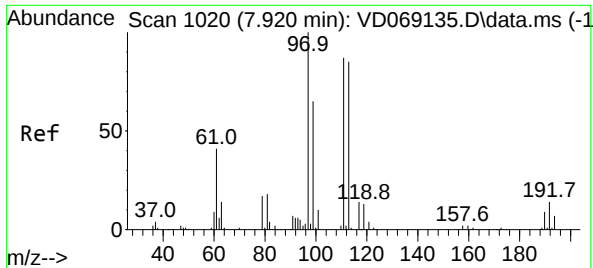
MMDadoda
5/13/2021 4:06:12 PM



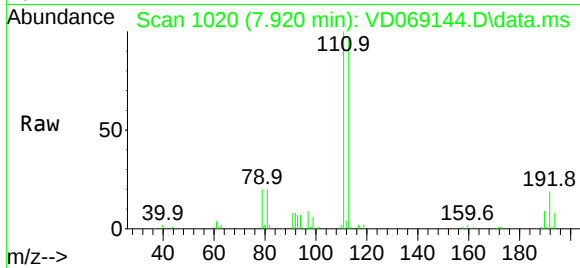
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 114 Resp: 483406
Ion Ratio Lower Upper
114 100
63 17.1 0.0 36.4
88 15.6 0.0 28.2

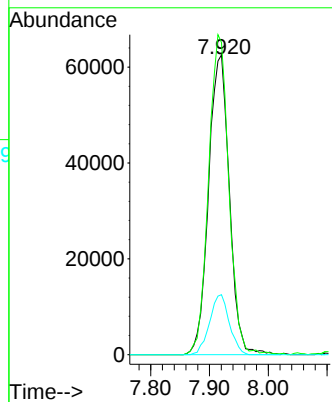
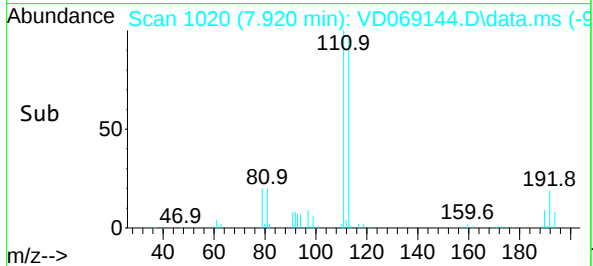




#35
Dibromofluoromethane
Concen: 48.83 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



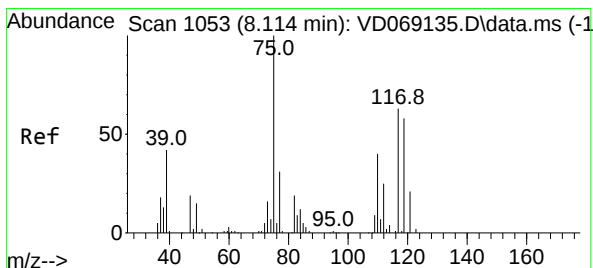
Tgt Ion: 113 Resp: 153617
Ion Ratio Lower Upper
113 100
111 104.1 80.6 120.8
192 19.0 14.8 22.2



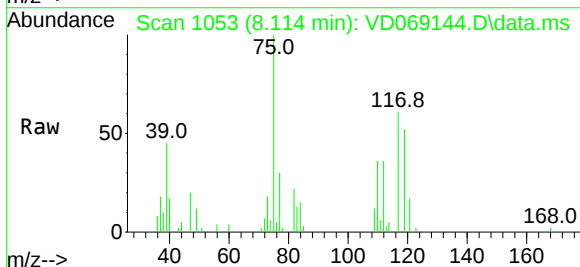
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

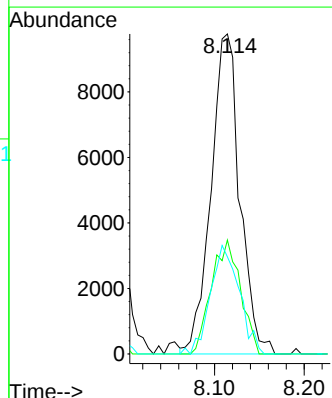
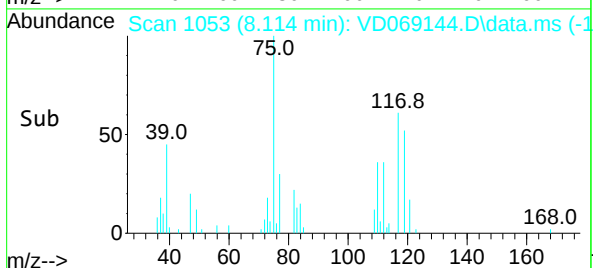
MMDadoda
5/13/2021 4:06:12 PM

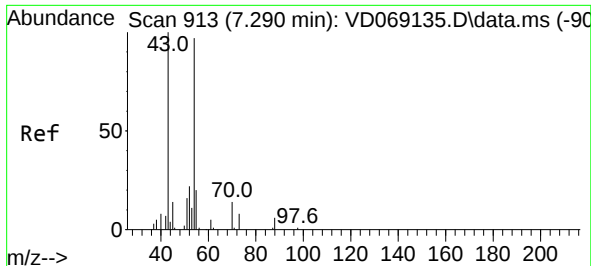


#36
1,1-Dichloropropene
Concen: 4.64 ug/l
RT: 8.114 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

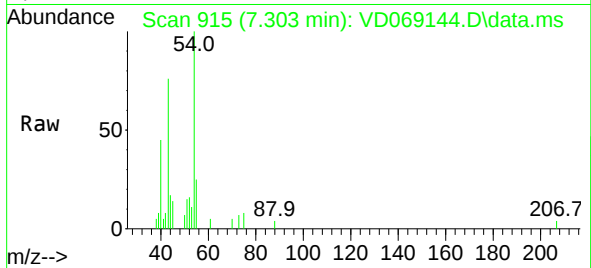


Tgt Ion: 75 Resp: 21791
Ion Ratio Lower Upper
75 100
110 35.9 18.8 56.4
77 33.9 25.2 37.8

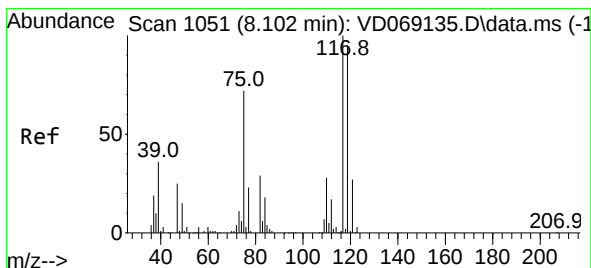
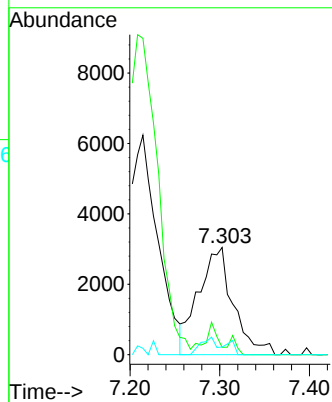
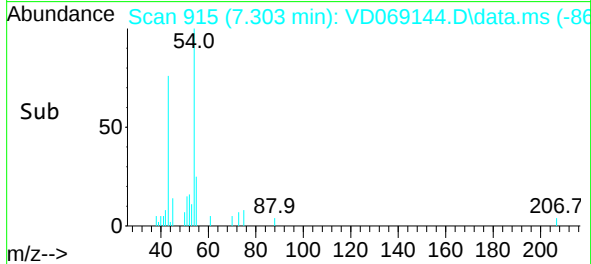




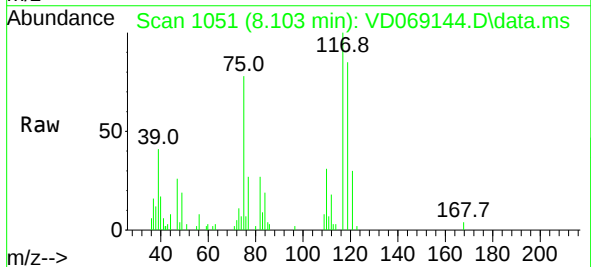
#37
Ethyl Acetate
Concen: 5.42 ug/l
RT: 7.303 min Scan# 915
Delta R.T. 0.012 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



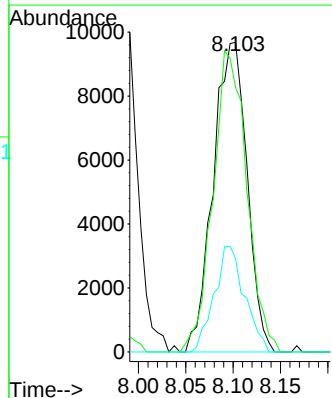
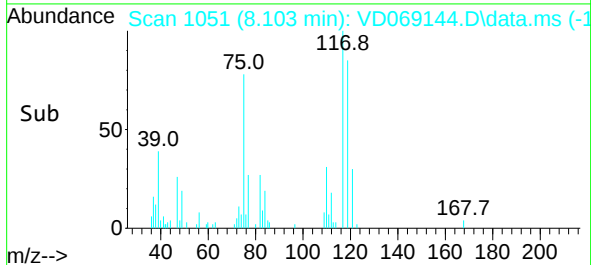
Tgt Ion: 43 Resp: 8188
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 3.0 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 4.58 ug/l
RT: 8.103 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



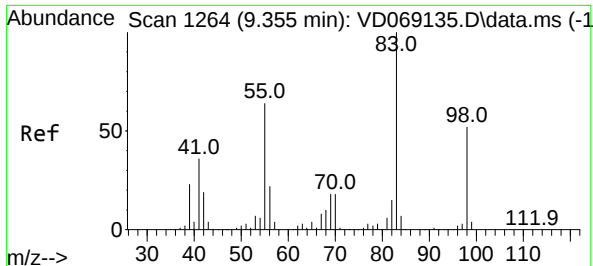
Tgt Ion: 117 Resp: 24079
Ion Ratio Lower Upper
117 100
119 85.4 76.2 114.2
121 30.2 21.9 32.9



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



#39

Methylcyclohexane

Concen: 4.15 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD069144.D

Acq: 12 May 2021 18:54

Tgt Ion:	83	Resp:	20570
Ion	Ratio	Lower	Upper
83	100		
55	65.6	51.2	76.8
98	41.1	41.4	62.2#

Instrument :

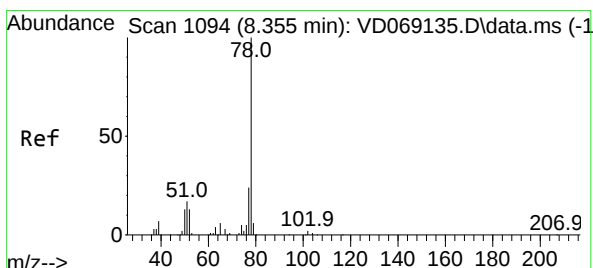
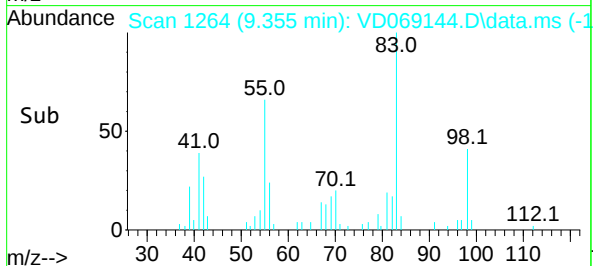
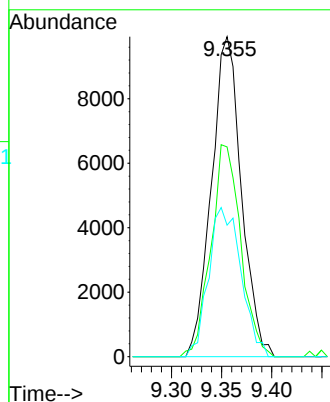
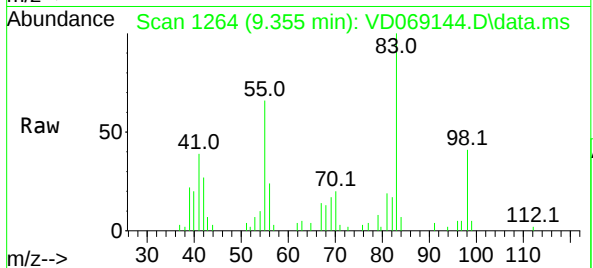
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



#40

Benzene

Concen: 5.04 ug/l

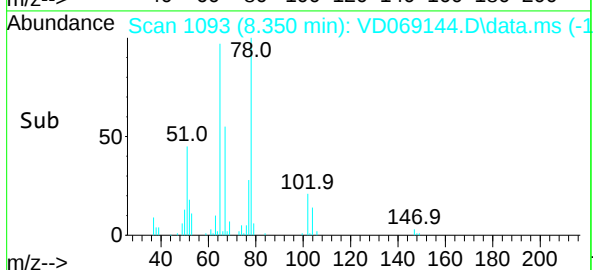
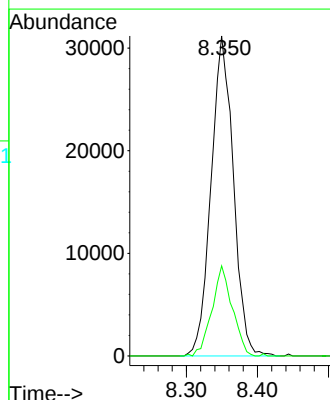
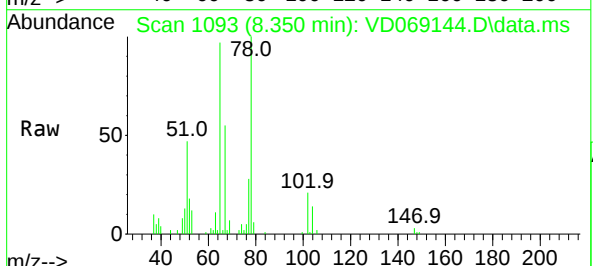
RT: 8.350 min Scan# 1093

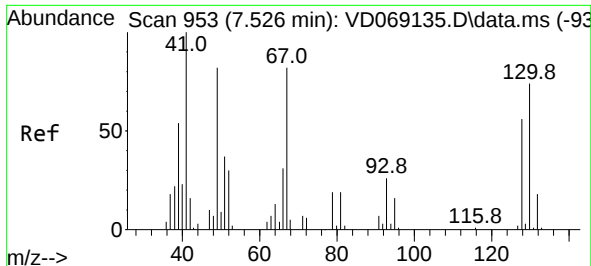
Delta R.T. -0.006 min

Lab File: VD069144.D

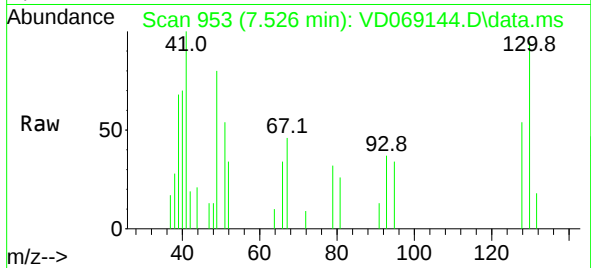
Acq: 12 May 2021 18:54

Tgt Ion:	78	Resp:	67853
Ion	Ratio	Lower	Upper
78	100		
77	28.1	19.1	28.7

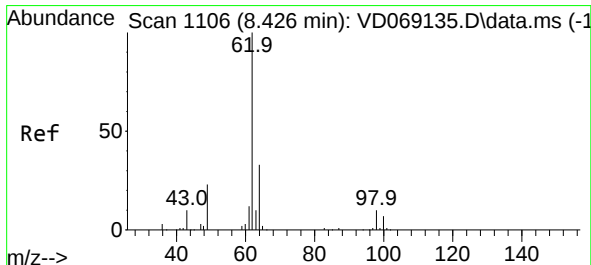
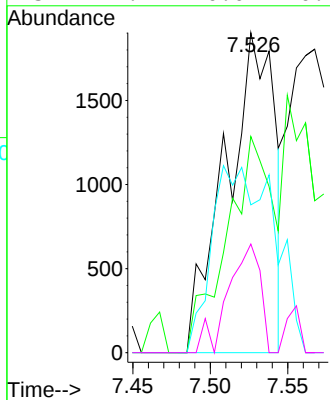
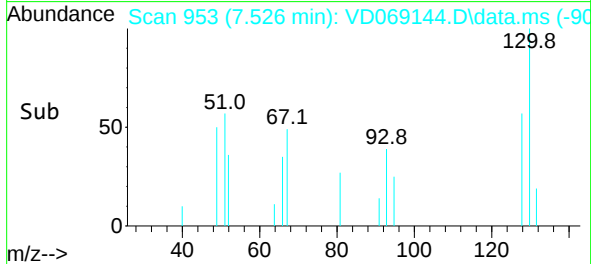




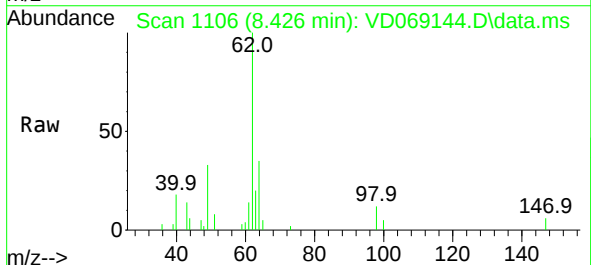
#41
Methacrylonitrile
Concen: 5.20 ug/l
RT: 7.526 min Scan# 953
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



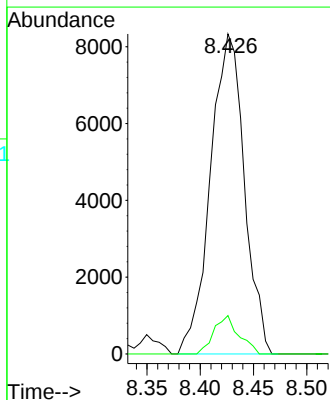
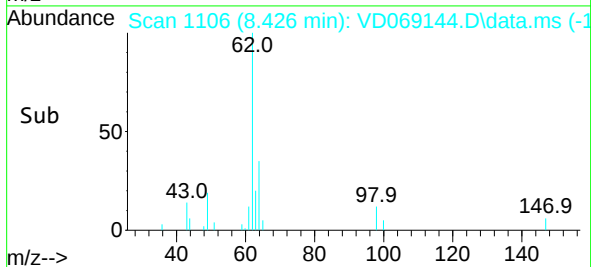
Tgt Ion: 41 Resp: 4178
Ion Ratio Lower Upper
41 100
39 63.3 58.0 87.0
67 74.6 0.0 0.0#
52 22.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 5.02 ug/l
RT: 8.426 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



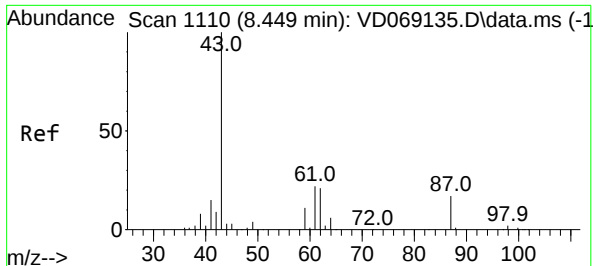
Tgt Ion: 62 Resp: 18451
Ion Ratio Lower Upper
62 100
98 8.8 0.0 20.6



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



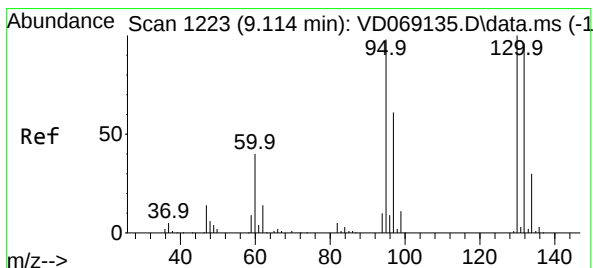
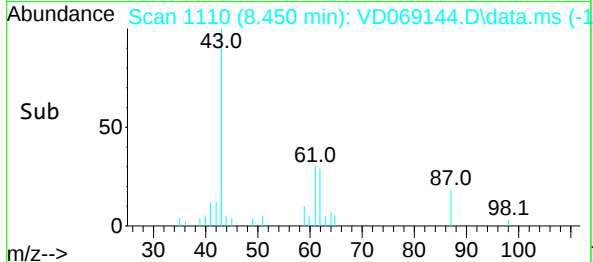
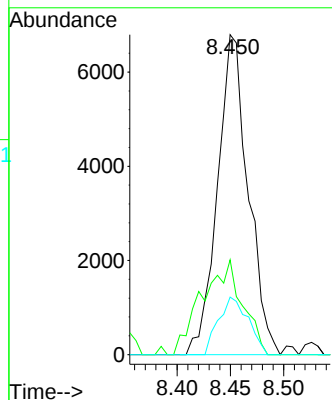
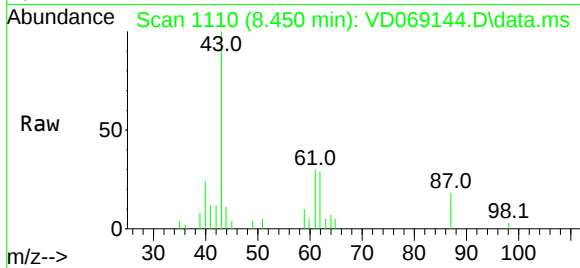
#43
Isopropyl Acetate
Concen: 4.96 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 43	Resp: 13588
Ion Ratio	Lower Upper
43 100	
61 39.2	28.6 42.8
87 17.5	13.8 20.8

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

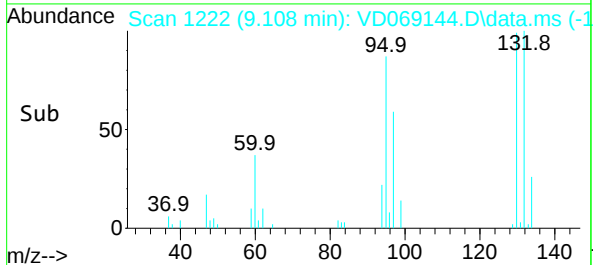
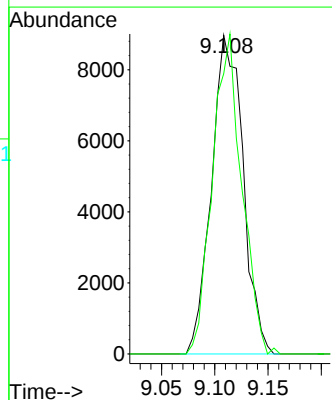
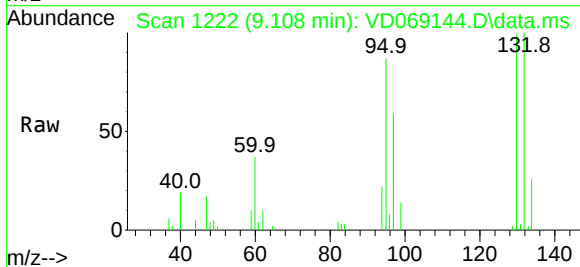
Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



#44
Trichloroethene
Concen: 4.90 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:130	Resp:	18448	
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	196.2





#45

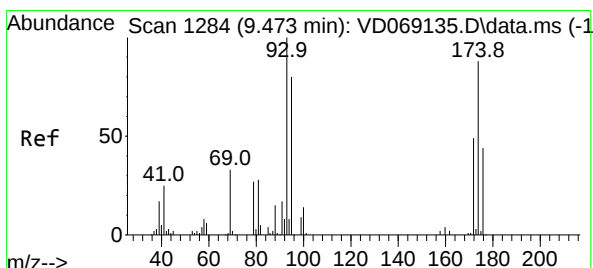
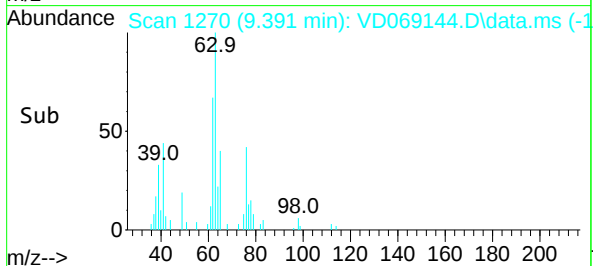
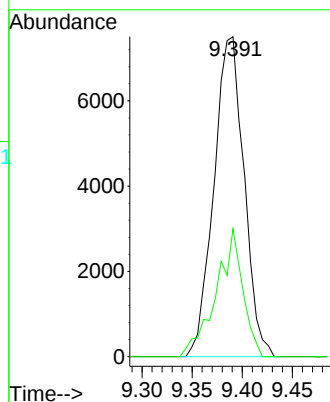
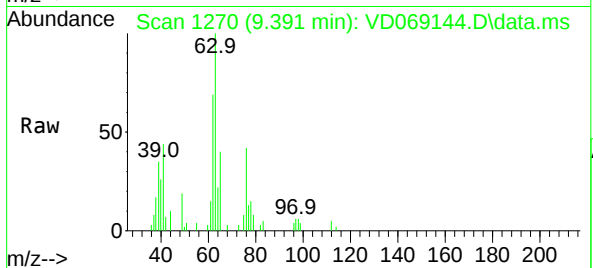
1,2-Dichloropropane
Concen: 4.94 ug/l
RT: 9.391 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 63 Resp: 15698
Ion Ratio Lower Upper
63 100
65 40.0 25.9 38.9#

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

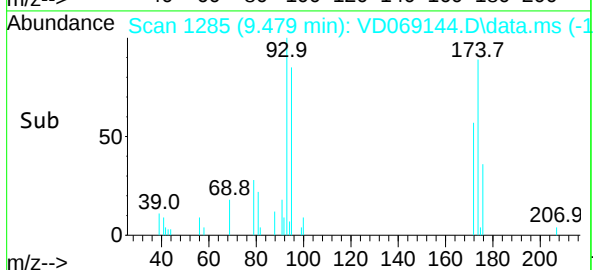
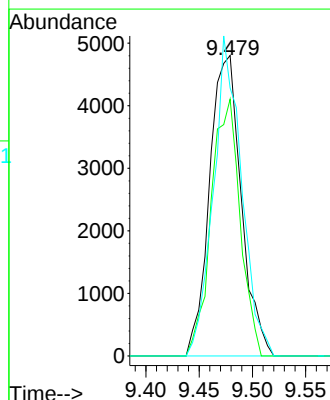
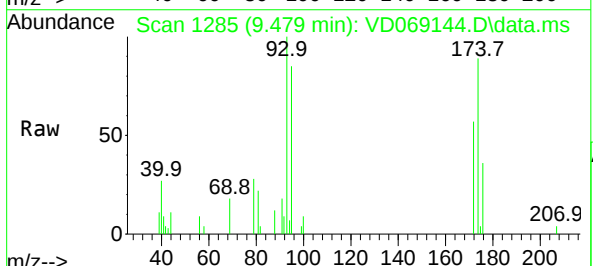
MMDadoda
5/13/2021 4:06:12 PM

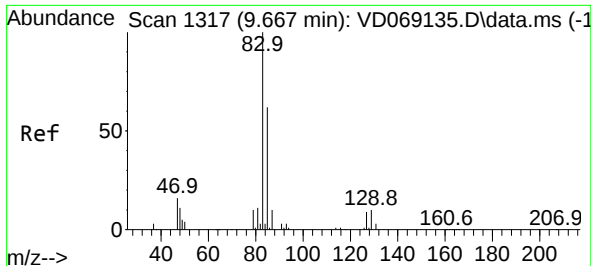


#46

Dibromomethane
Concen: 5.23 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

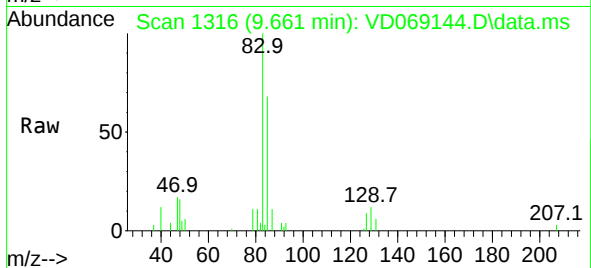
Tgt Ion: 93 Resp: 9935
Ion Ratio Lower Upper
93 100
95 77.9 65.9 98.9
174 94.5 76.6 115.0





#47
Bromodichloromethane
Concen: 4.72 ug/l
RT: 9.661 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

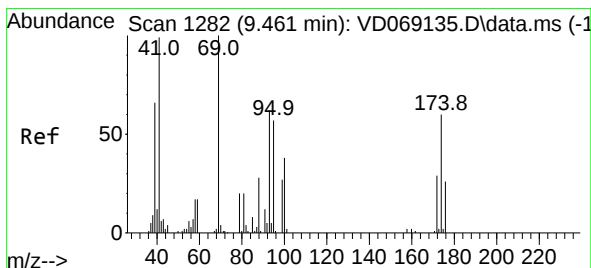
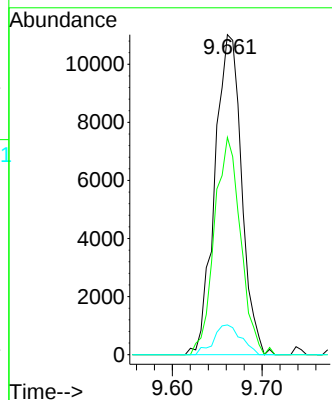
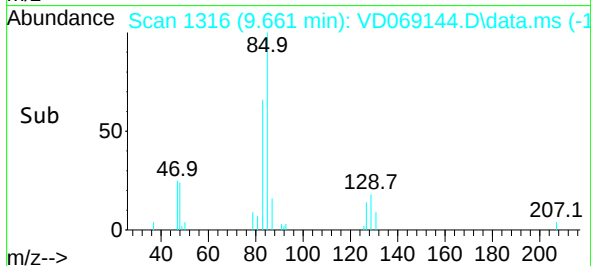
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



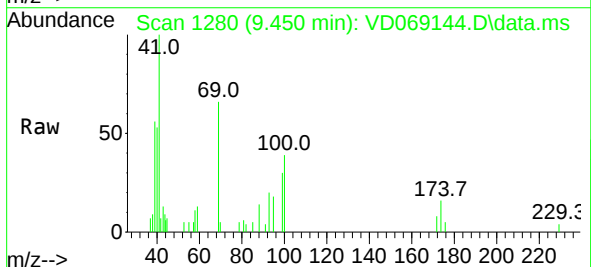
Tgt Ion: 83 Resp: 22805
Ion Ratio Lower Upper
83 100
85 67.9 50.0 75.0
127 9.3 7.1 10.7

Manual Integrations
APPROVED

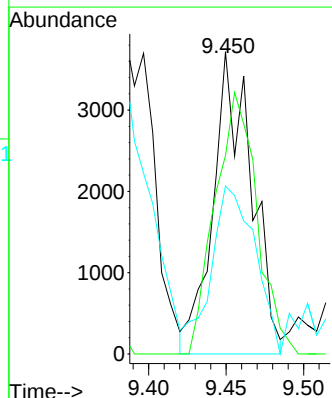
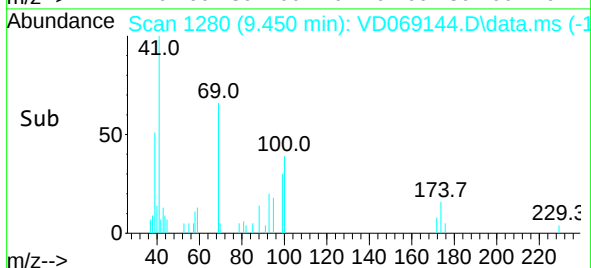
MMDadoda
5/13/2021 4:06:12 PM

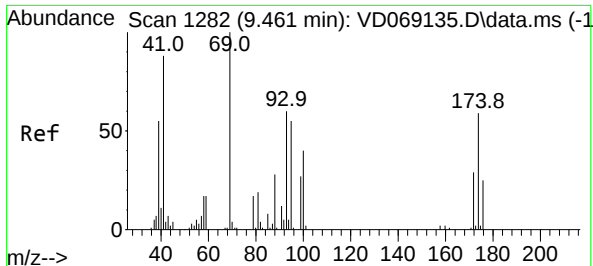


#48
Methyl methacrylate
Concen: 5.06 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.011 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

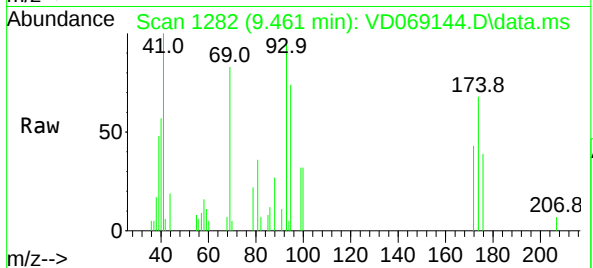


Tgt Ion: 41 Resp: 6412
Ion Ratio Lower Upper
41 100
69 94.2 88.0 132.0
39 61.3 51.4 77.0

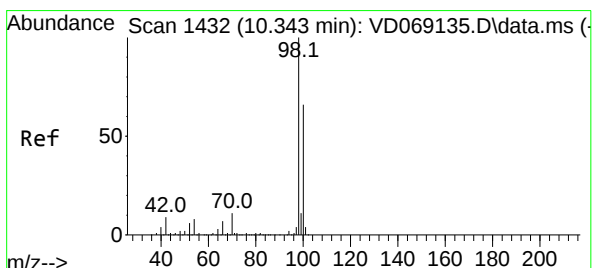
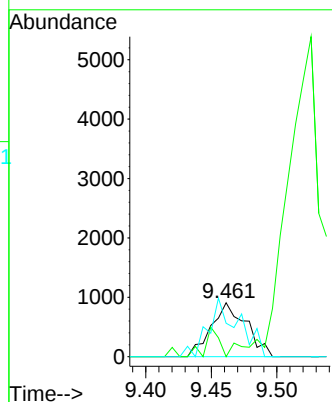
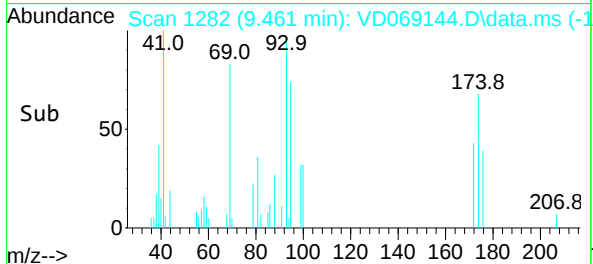




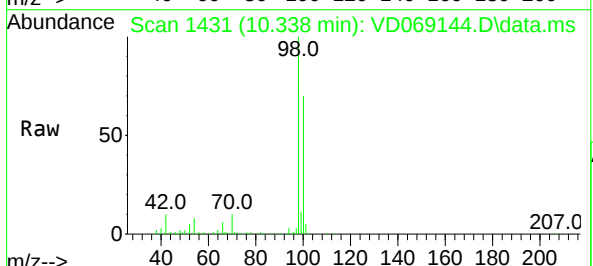
#49
1,4-Dioxane
Concen: 94.04 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



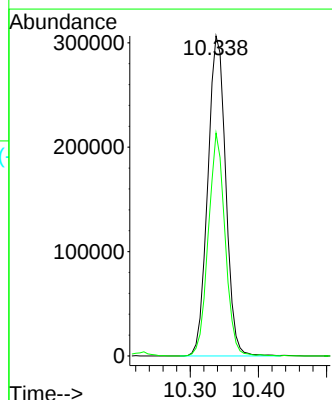
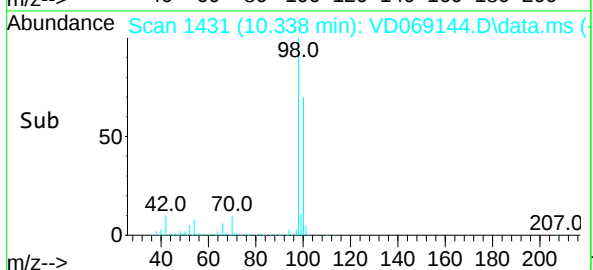
Tgt Ion: 88 Resp: 1680
Ion Ratio Lower Upper
88 100
43 20.8 26.7 40.1#
58 94.7 45.8 68.6#



#50
Toluene-d8
Concen: 48.61 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



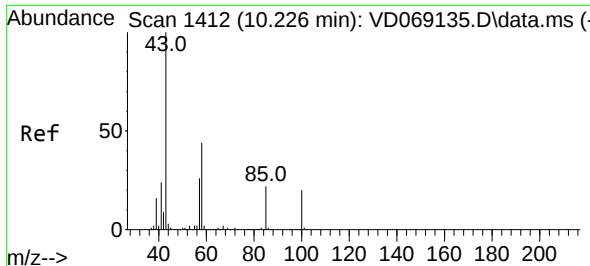
Tgt Ion: 98 Resp: 561900
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



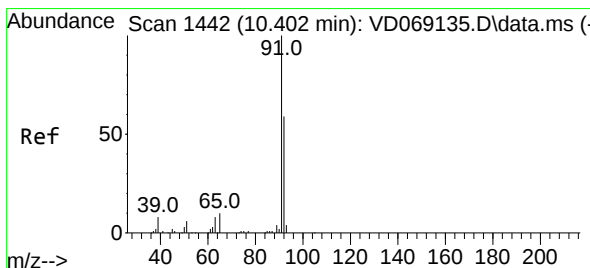
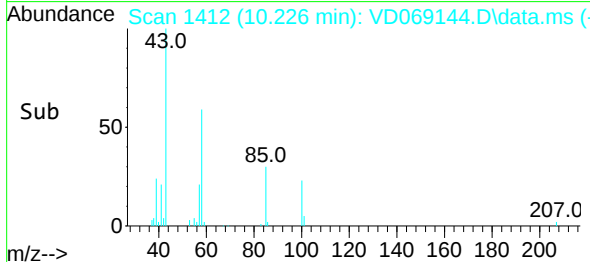
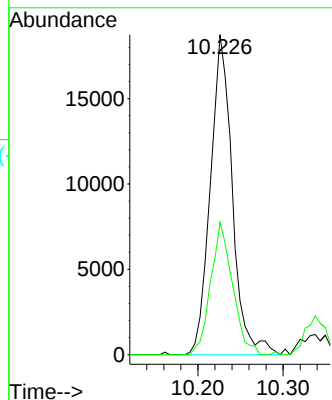
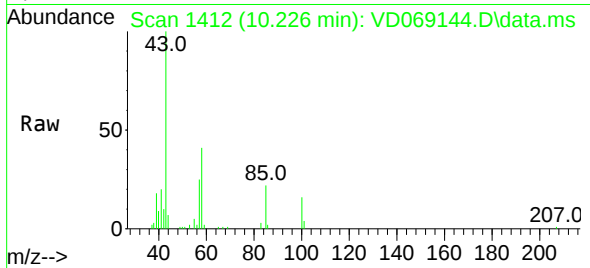
#51
4-Methyl-2-Pentanone
Concen: 23.77 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 43 Resp: 33533
Ion Ratio Lower Upper
43 100
58 41.2 35.0 52.4

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

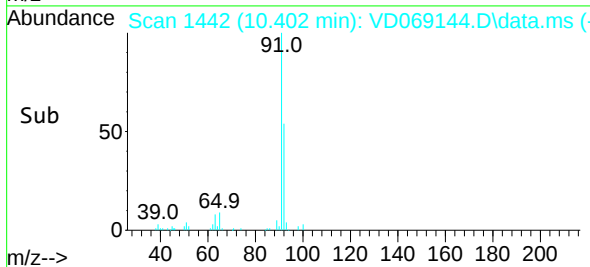
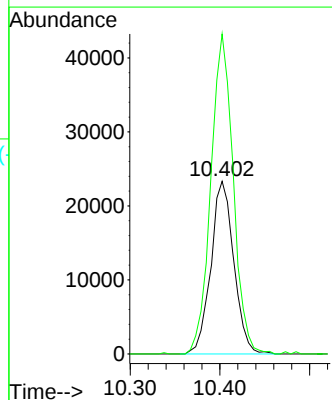
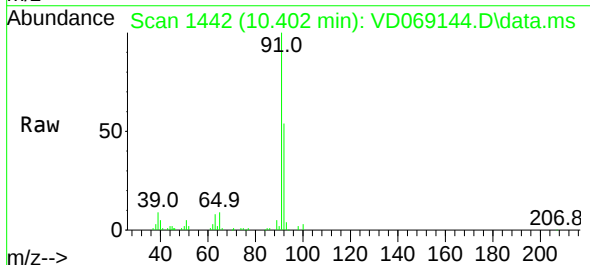
Manual Integrations
APPROVED

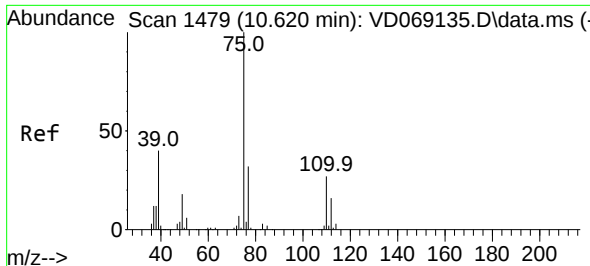
MMDadoda
5/13/2021 4:06:12 PM



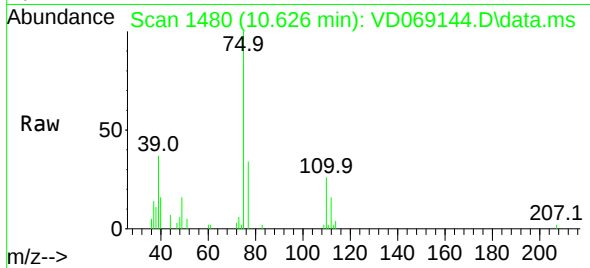
#52
Toluene
Concen: 4.76 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 92 Resp: 41392
Ion Ratio Lower Upper
92 100
91 180.9 136.2 204.2

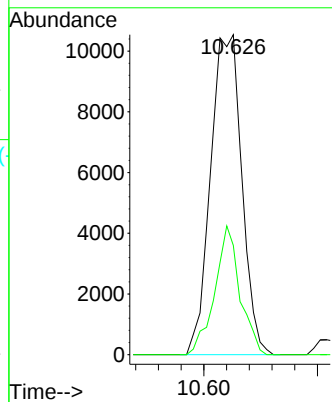
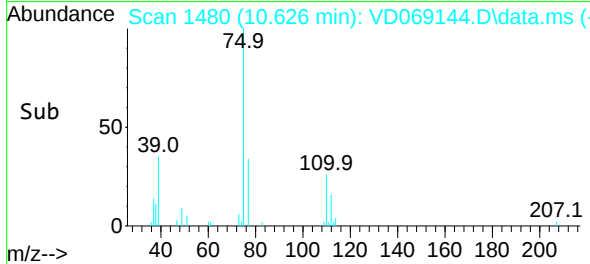




#53
t-1,3-Dichloropropene
Concen: 4.73 ug/l
RT: 10.626 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



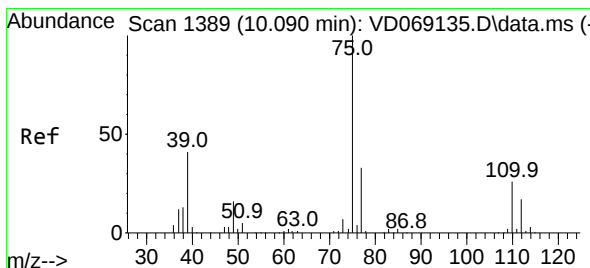
Tgt Ion: 75 Resp: 20096
Ion Ratio Lower Upper
75 100
77 34.2 26.0 39.0



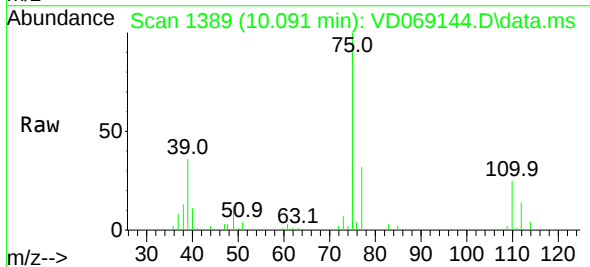
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

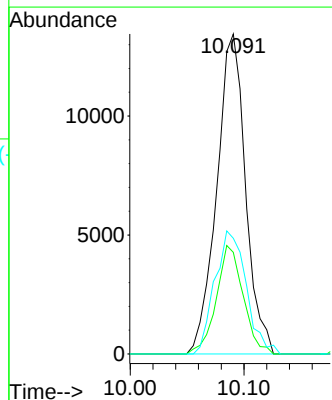
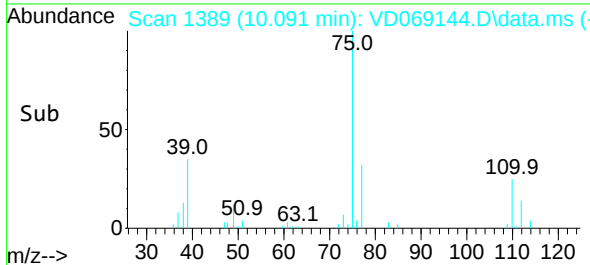
MMDadoda
5/13/2021 4:06:12 PM

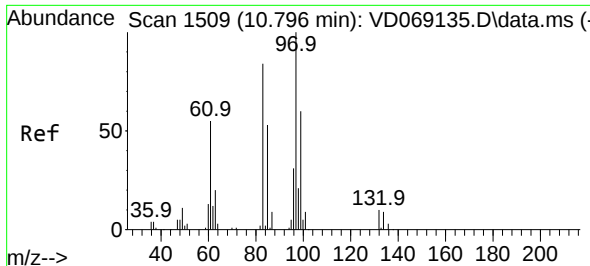


#54
cis-1,3-Dichloropropene
Concen: 4.67 ug/l
RT: 10.091 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



Tgt Ion: 75 Resp: 23686
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.4
39 36.1 32.9 49.3





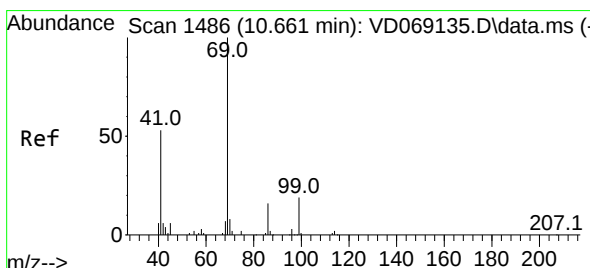
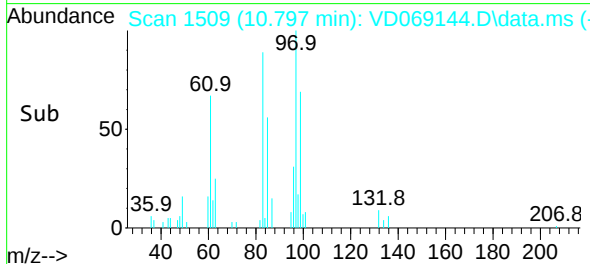
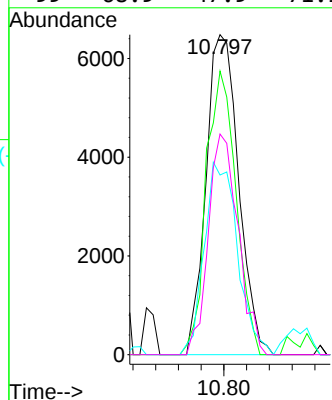
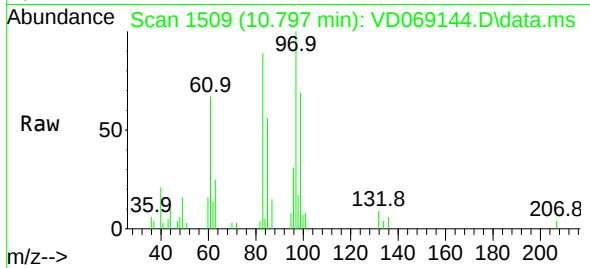
#55
1,1,2-Trichloroethane
Concen: 5.05 ug/l
RT: 10.797 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:	97	Resp:	12929
Ion	Ratio	Lower	Upper
97	100		
83	88.6	66.9	100.3
85	56.1	42.2	63.4
99	68.9	47.9	71.9

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

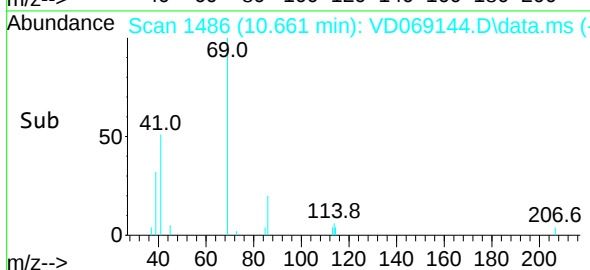
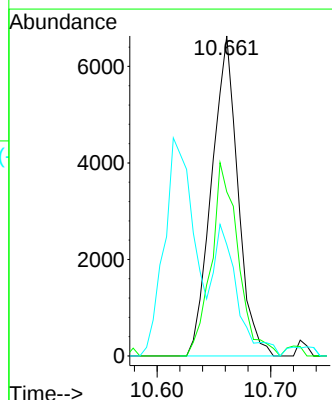
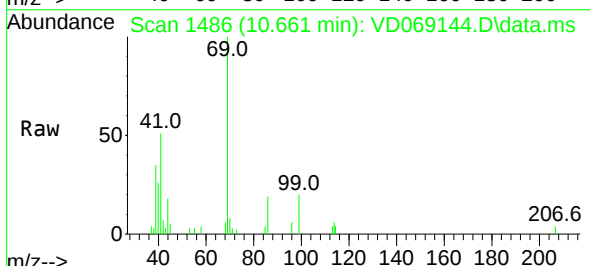
Manual Integrations
APPROVED

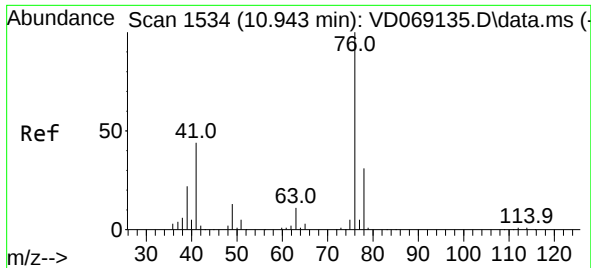
MMDadoda
5/13/2021 4:06:12 PM



#56
Ethyl methacrylate
Concen: 4.17 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:	69	Resp:	10662
Ion	Ratio	Lower	Upper
69	100		
41	62.1	42.2	63.2
39	36.6	26.3	39.5





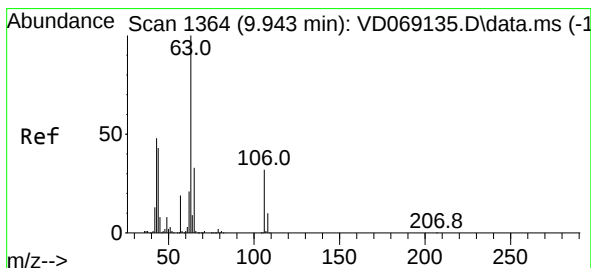
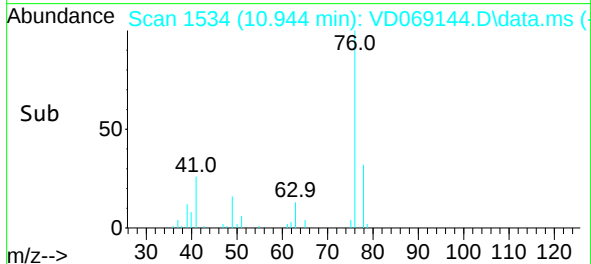
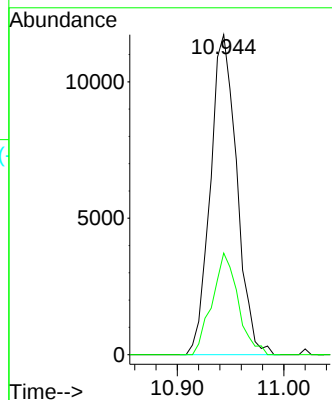
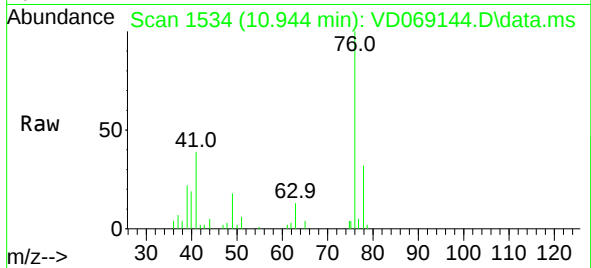
#57
1,3-Dichloropropane
Concen: 4.89 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 76 Resp: 20223
Ion Ratio Lower Upper
76 100
78 31.2 25.7 38.5

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

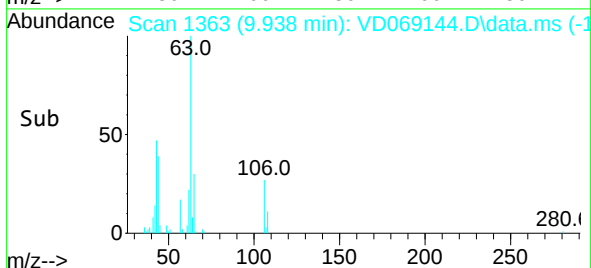
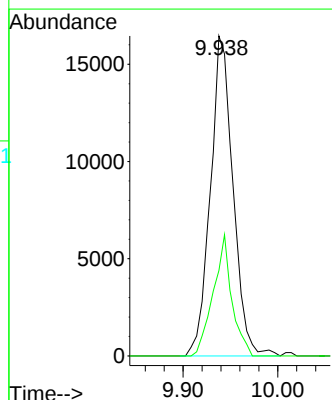
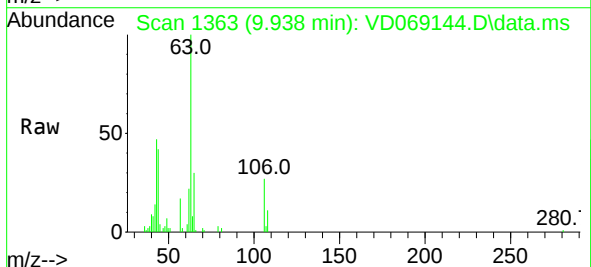
Manual Integrations
APPROVED

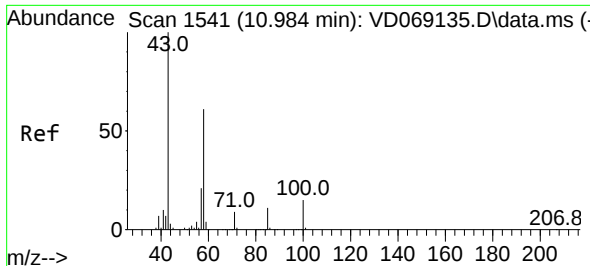
MMDadoda
5/13/2021 4:06:12 PM



#58
2-Chloroethyl Vinyl ether
Concen: 21.59 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 63 Resp: 27362
Ion Ratio Lower Upper
63 100
106 31.1 25.3 37.9





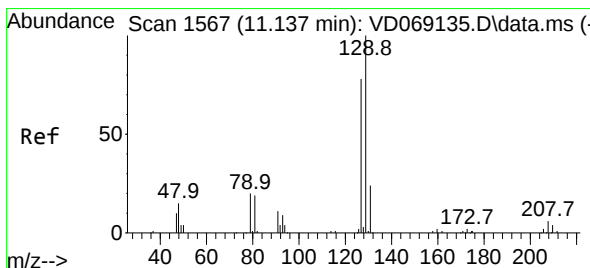
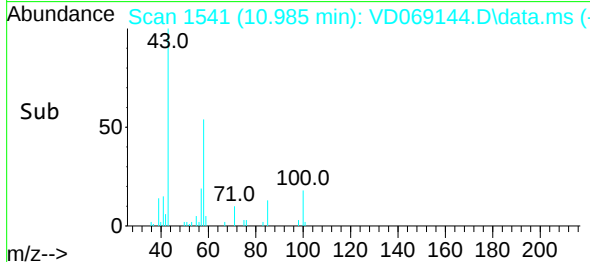
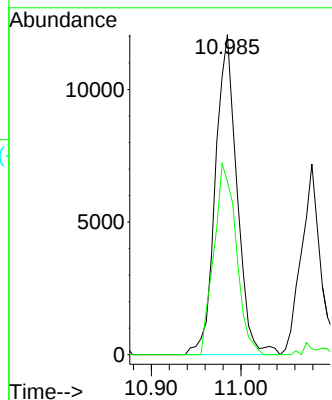
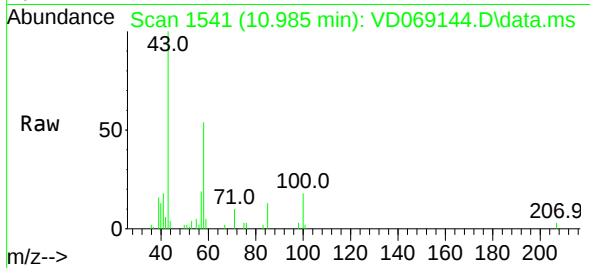
#59
2-Hexanone
Concen: 21.43 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 43 Resp: 20173
Ion Ratio Lower Upper
43 100
58 61.6 31.1 93.5

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

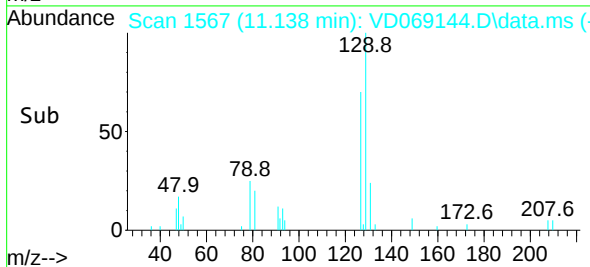
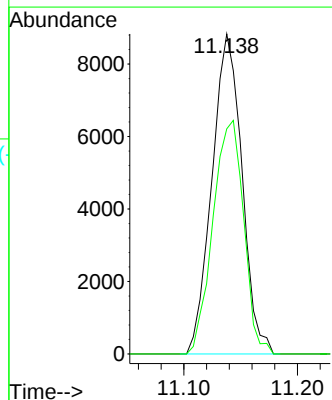
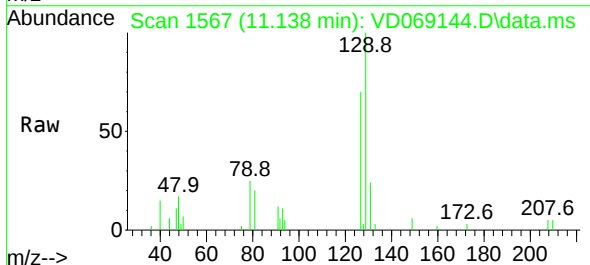
Manual Integrations
APPROVED

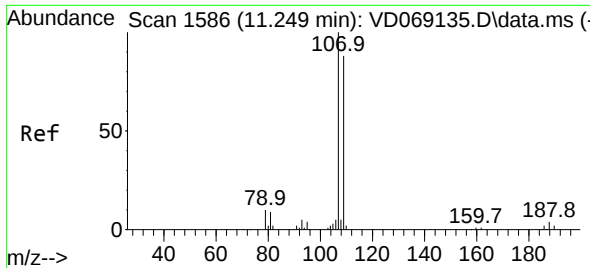
MMDadoda
5/13/2021 4:06:12 PM



#60
Dibromochloromethane
Concen: 4.93 ug/l
RT: 11.138 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

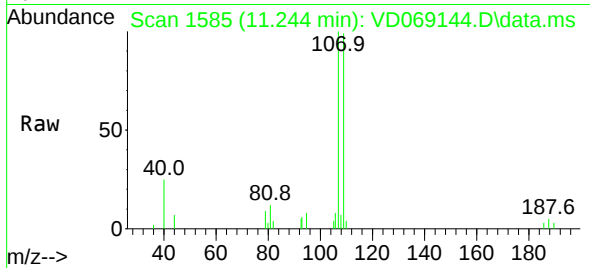
Tgt Ion: 129 Resp: 16195
Ion Ratio Lower Upper
129 100
127 74.8 38.5 115.5





#61
1,2-Dibromoethane
Concen: 5.08 ug/l
RT: 11.244 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

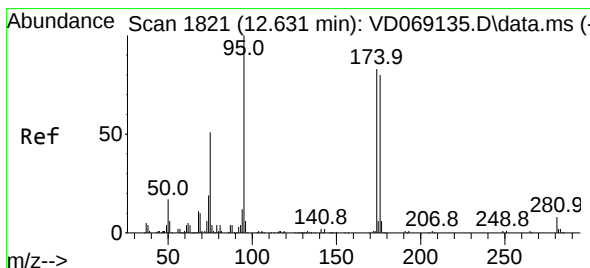
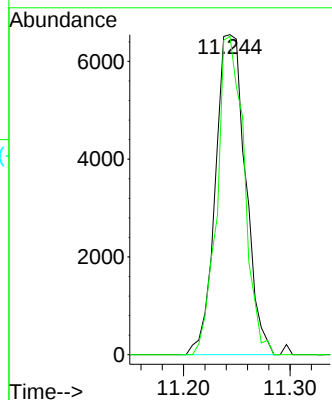
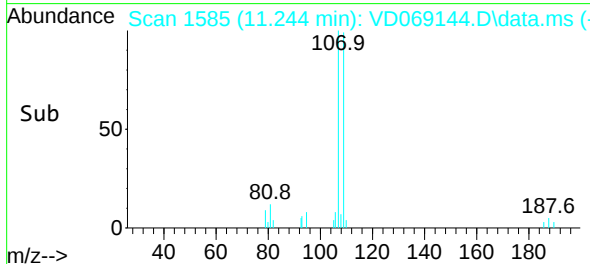
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



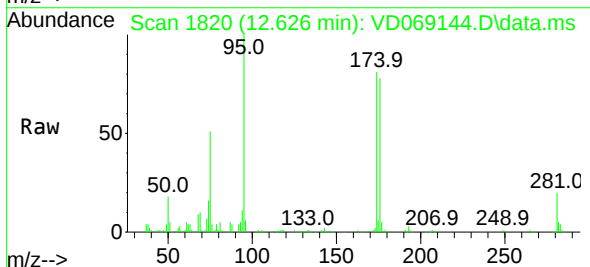
Tgt Ion:107 Resp: 12846
Ion Ratio Lower Upper
107 100
109 89.7 73.6 110.4

Manual Integrations
APPROVED

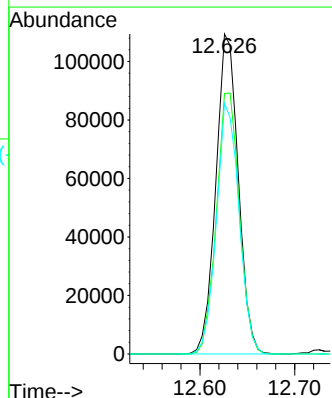
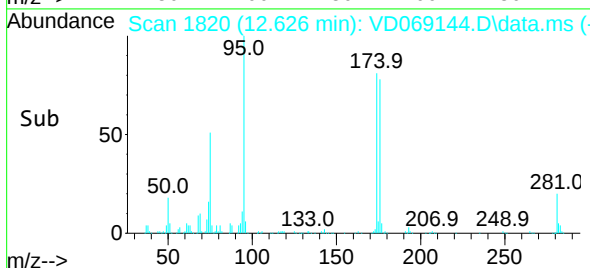
MMDadoda
5/13/2021 4:06:12 PM

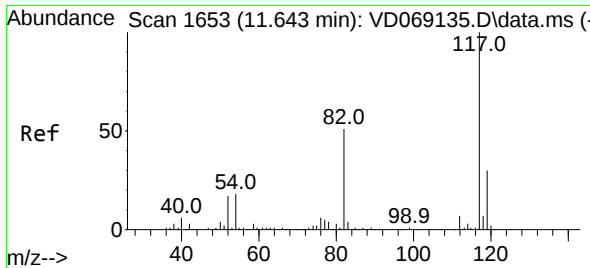


#62
4-Bromofluorobenzene
Concen: 48.38 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

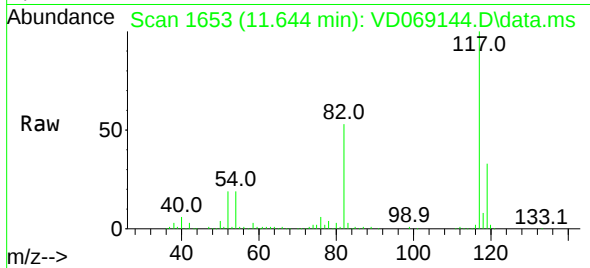


Tgt Ion: 95 Resp: 179946
Ion Ratio Lower Upper
95 100
174 83.7 0.0 171.8
176 79.0 0.0 165.4

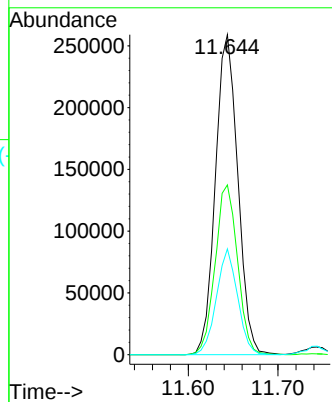
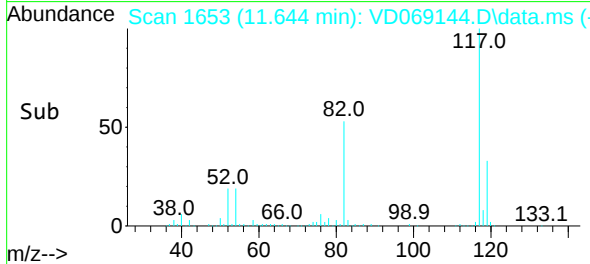




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



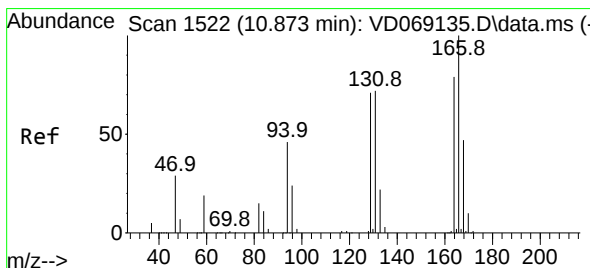
Tgt Ion:117 Resp: 448986
Ion Ratio Lower Upper
117 100
82 53.1 40.5 60.7
119 33.1 24.2 36.4



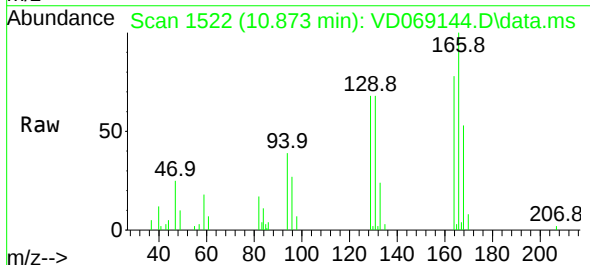
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

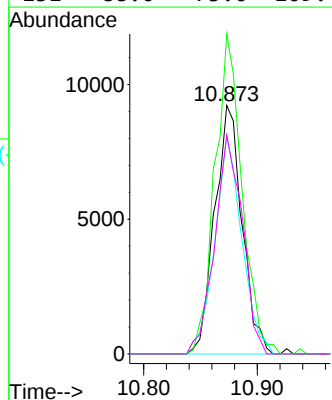
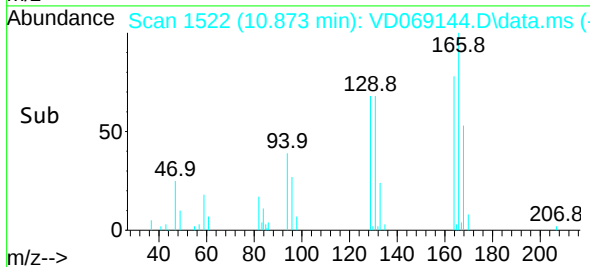
MMDadoda
5/13/2021 4:06:12 PM

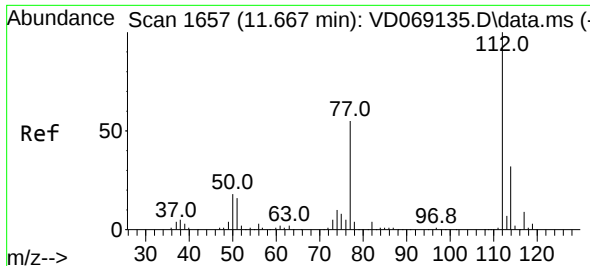


#64
Tetrachloroethene
Concen: 4.95 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

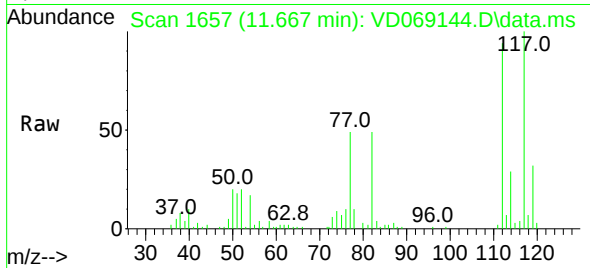


Tgt Ion:164 Resp: 15448
Ion Ratio Lower Upper
164 100
166 128.8 101.7 152.5
129 88.1 72.6 109.0
131 88.0 73.0 109.4

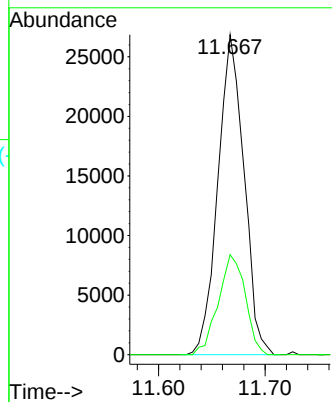
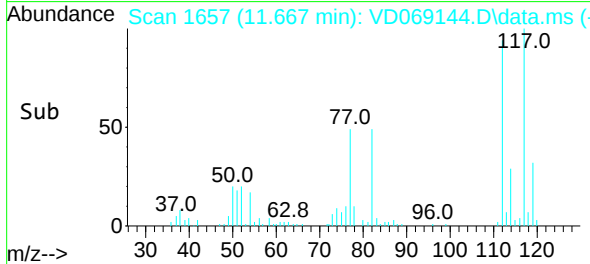




#65
Chlorobenzene
Concen: 4.90 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



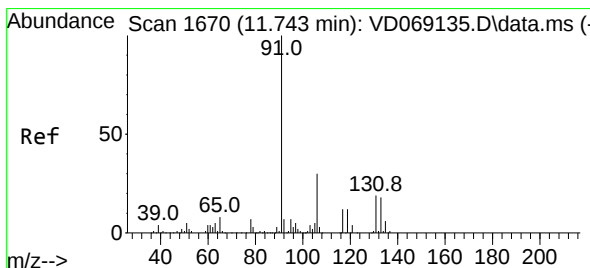
Tgt Ion:112 Resp: 45632
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6



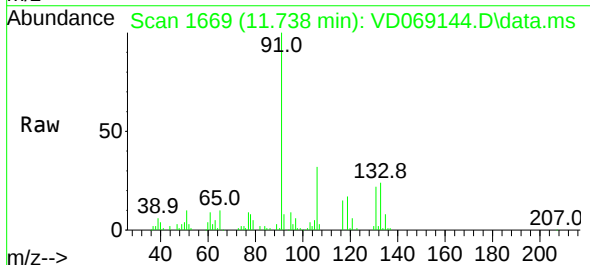
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

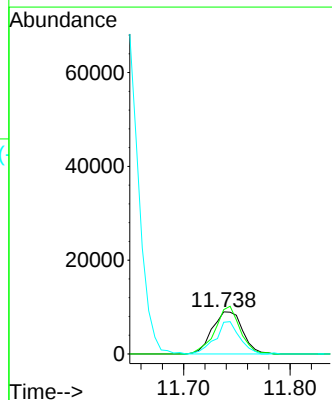
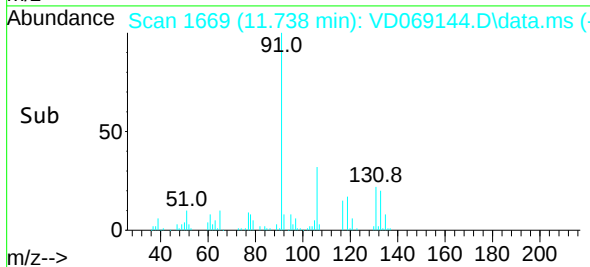
MMDadoda
5/13/2021 4:06:12 PM

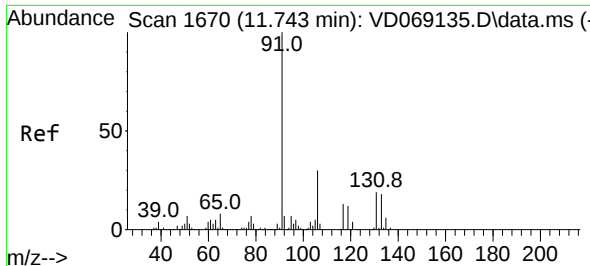


#66
1,1,1,2-Tetrachloroethane
Concen: 5.07 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

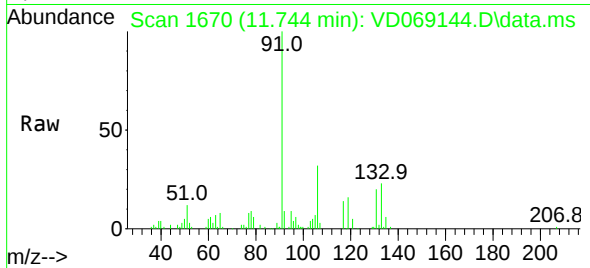


Tgt Ion:131 Resp: 17805
Ion Ratio Lower Upper
131 100
133 92.7 47.5 142.5
119 61.2 32.1 96.5

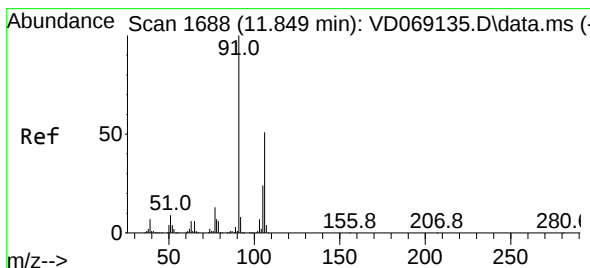
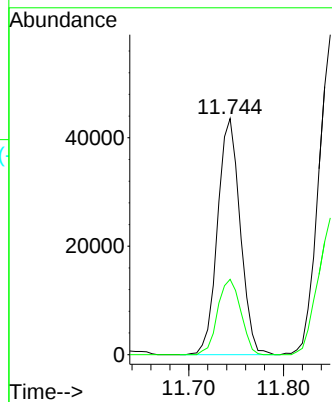
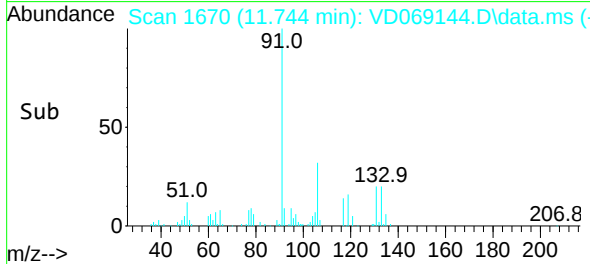




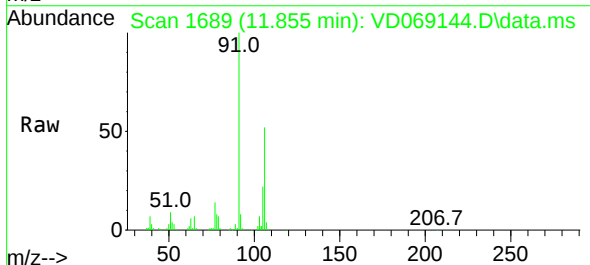
#67
Ethyl Benzene
Concen: 4.51 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



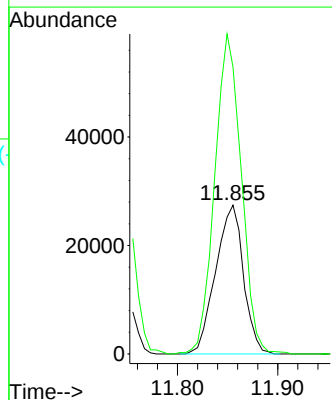
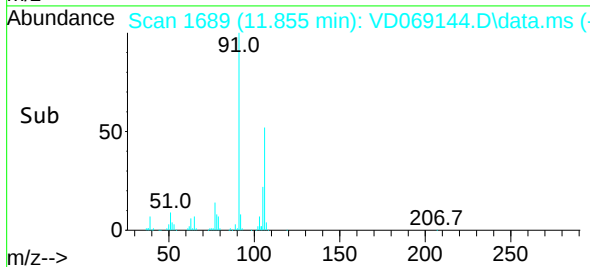
Tgt Ion: 91 Resp: 72257
Ion Ratio Lower Upper
91 100
106 31.9 24.0 36.0



#68
m/p-Xylenes
Concen: 8.42 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



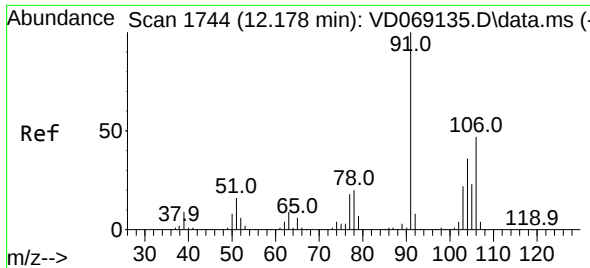
Tgt Ion: 106 Resp: 52812
Ion Ratio Lower Upper
106 100
91 205.7 157.3 235.9



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



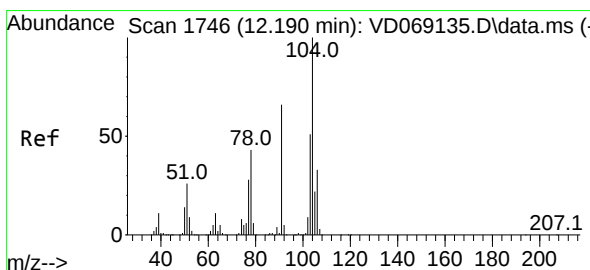
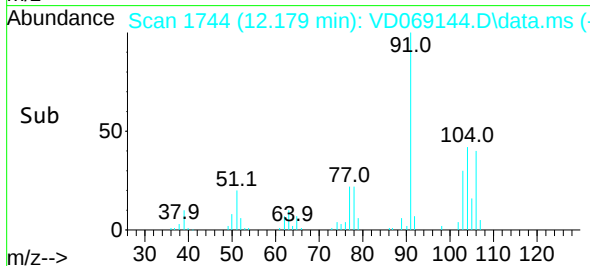
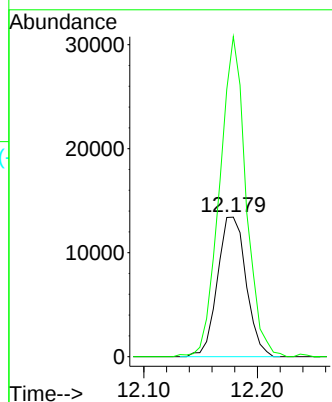
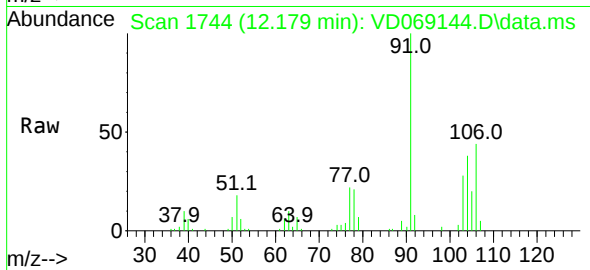
#69
o-Xylene
Concen: 4.21 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Tgt Ion:106 Resp: 23476
Ion Ratio Lower Upper
106 100
91 211.7 104.8 314.6

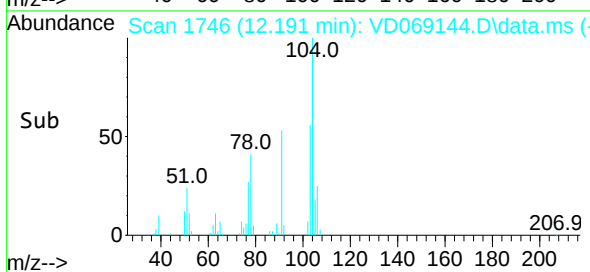
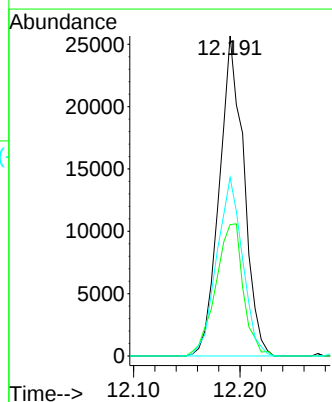
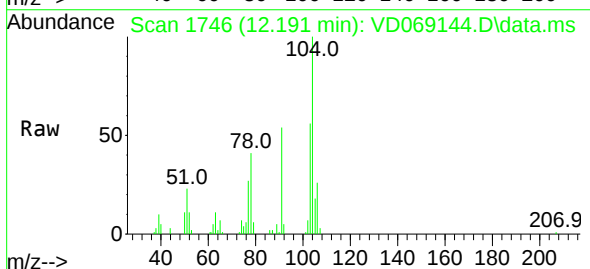
Manual Integrations
APPROVED

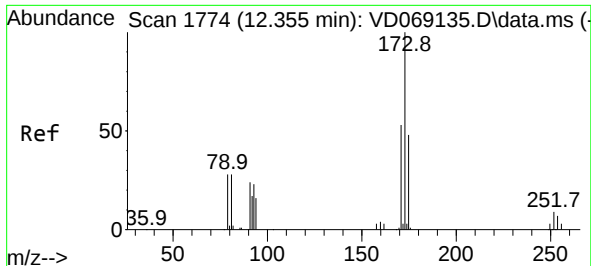
MMDadoda
5/13/2021 4:06:12 PM



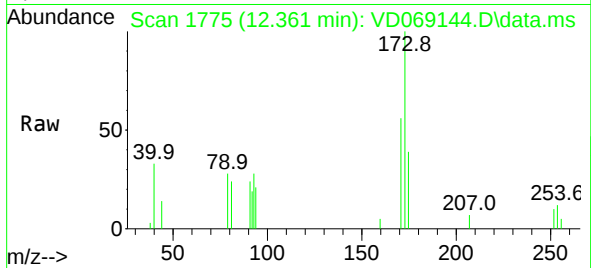
#70
Styrene
Concen: 4.21 ug/l
RT: 12.191 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:104 Resp: 40971
Ion Ratio Lower Upper
104 100
78 46.5 37.8 56.6
103 58.5 44.8 67.2

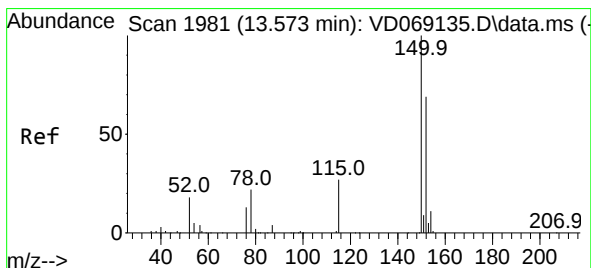
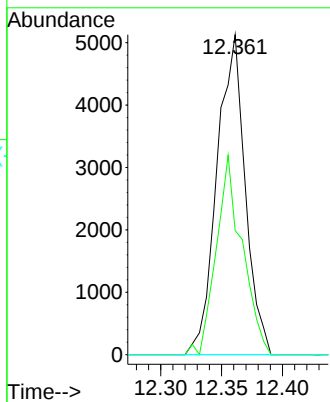
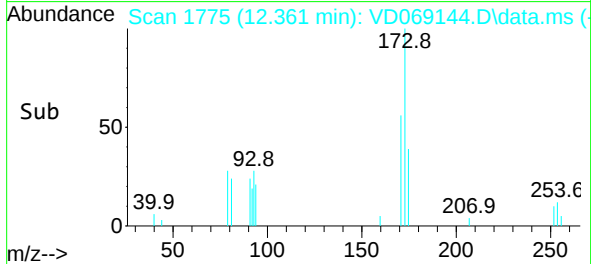




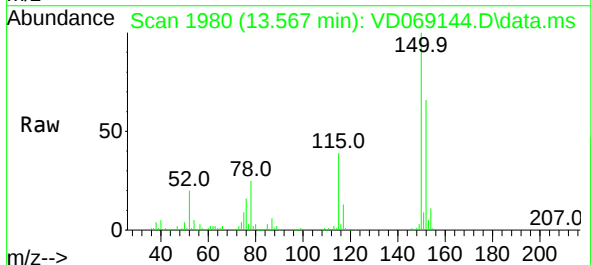
#71
Bromoform
Concen: 4.54 ug/l
RT: 12.361 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



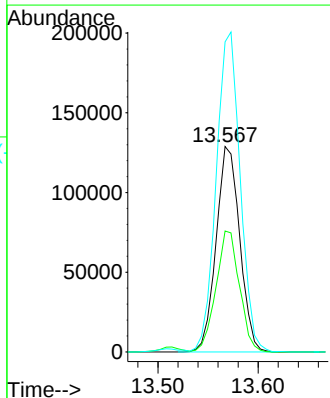
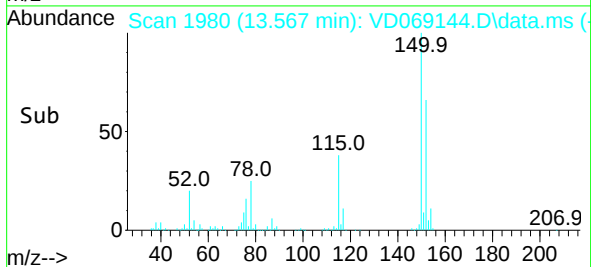
Tgt Ion:173 Resp: 8281
Ion Ratio Lower Upper
173 100
175 57.0 24.3 73.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



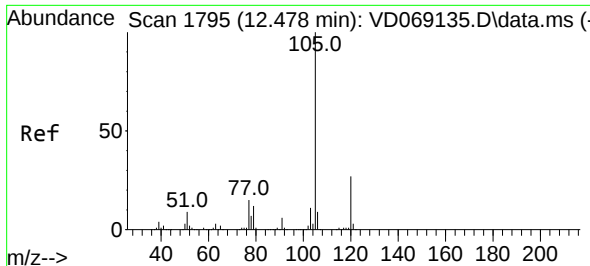
Tgt Ion:152 Resp: 210736
Ion Ratio Lower Upper
152 100
115 58.6 29.9 89.8
150 158.0 0.0 350.2



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

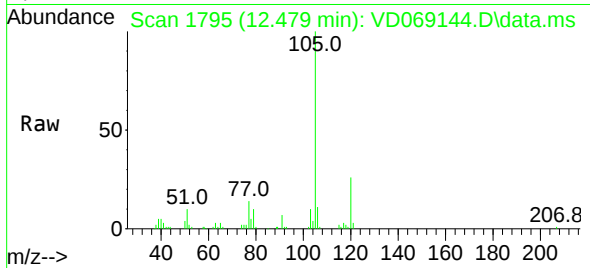
Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



#73
Isopropylbenzene
Concen: 4.23 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

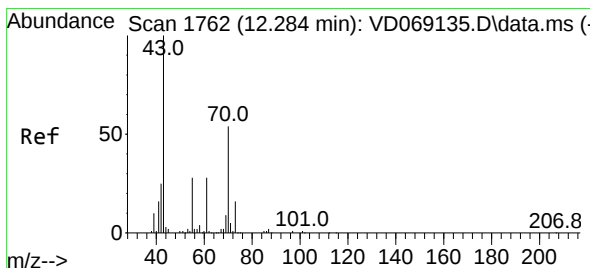
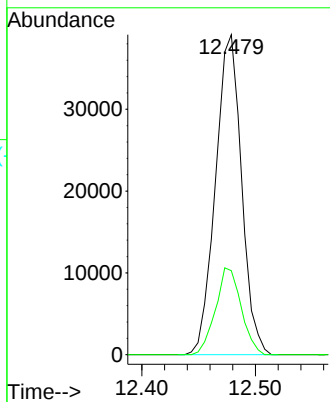
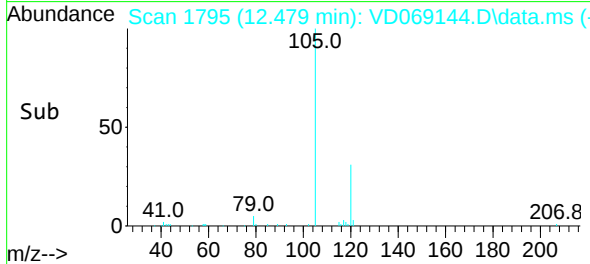
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



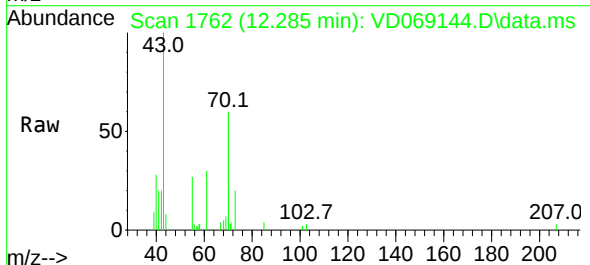
Tgt Ion: 105 Resp: 62313
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2

Manual Integrations
APPROVED

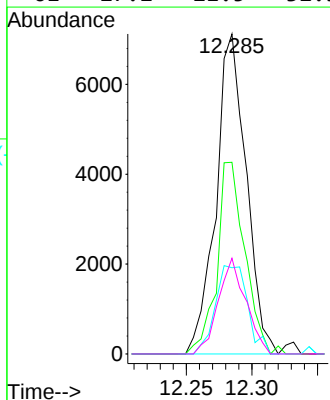
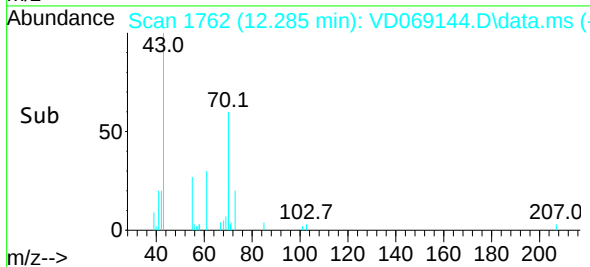
MMDadoda
5/13/2021 4:06:12 PM

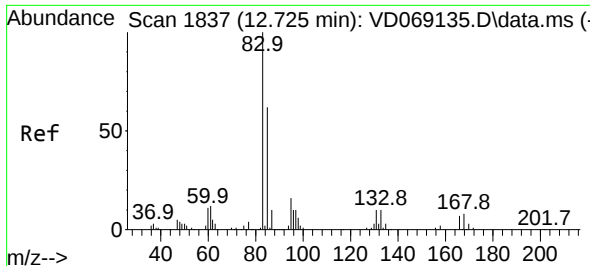


#74
N-ethyl acetate
Concen: 4.73 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



Tgt Ion: 43 Resp: 11402
Ion Ratio Lower Upper
43 100
70 55.3 41.6 62.4
55 29.4 22.6 34.0
61 27.2 21.5 32.3





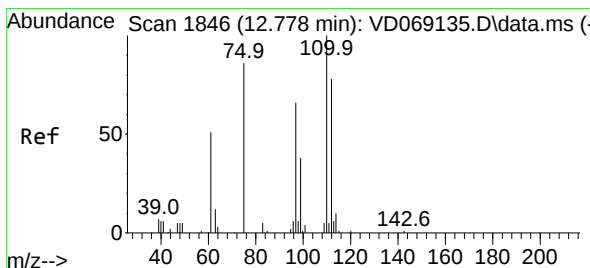
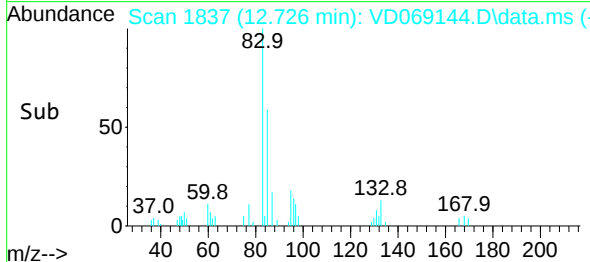
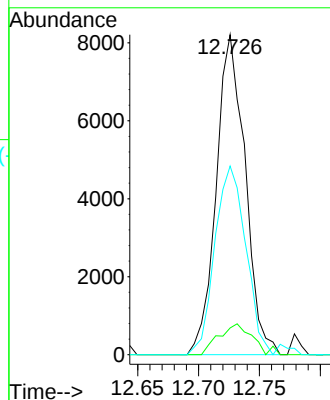
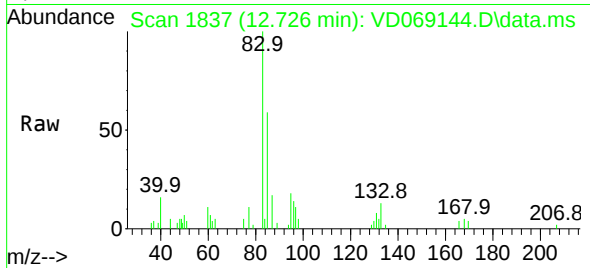
#75
1,1,2,2-Tetrachloroethane
Concen: 5.08 ug/l
RT: 12.726 min Scan# 1837
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.4	16.2
85	63.2	31.9	95.5

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

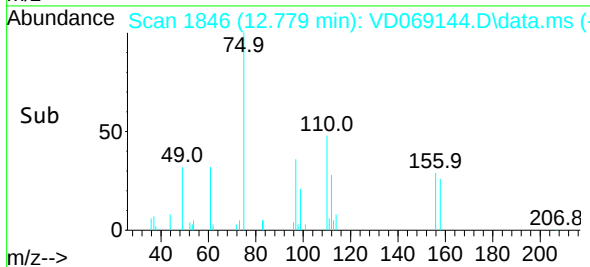
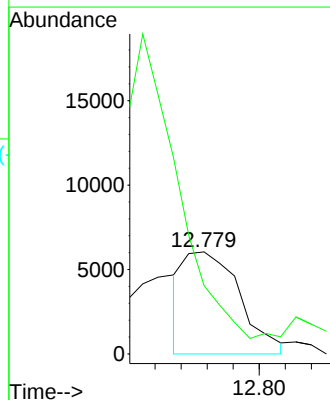
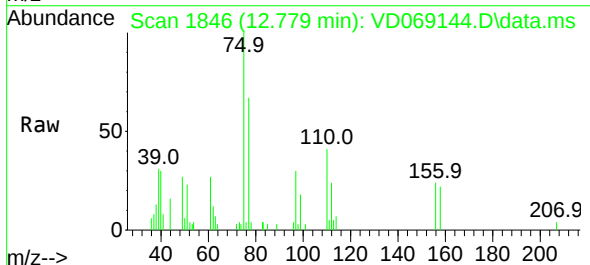
Manual Integrations
APPROVED

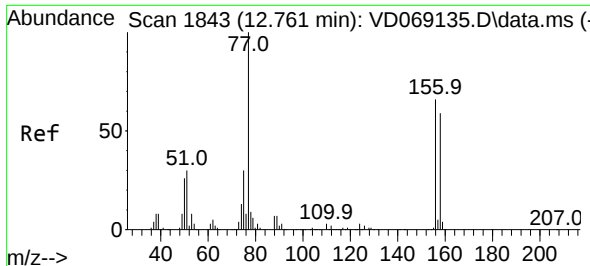
MMDadoda
5/13/2021 4:06:12 PM



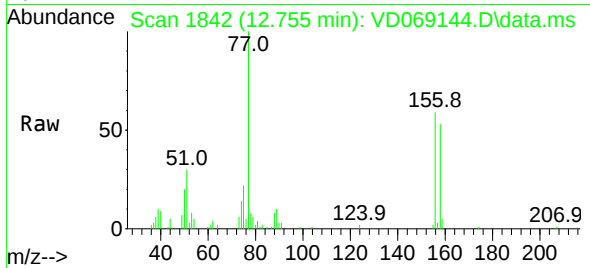
#76
1,2,3-Trichloropropane
Concen: 5.70 ug/l m
RT: 12.779 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

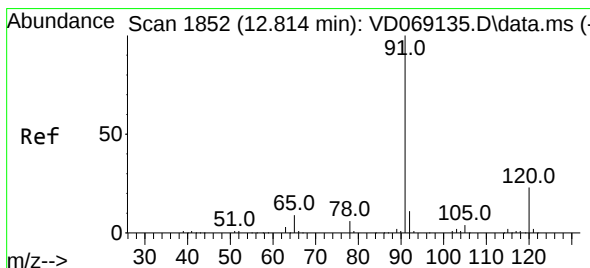
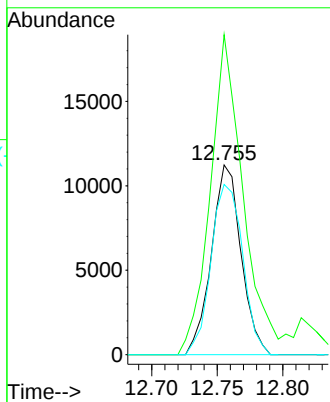
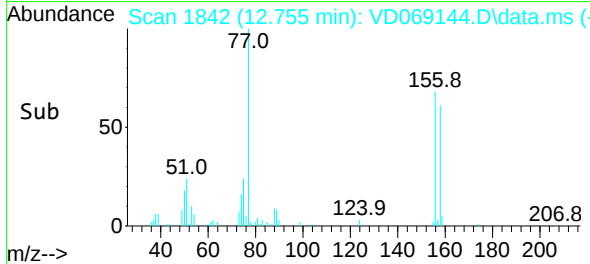




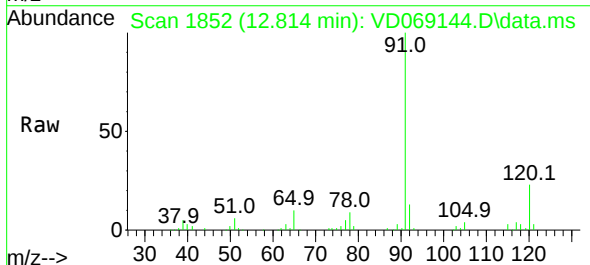
#77
Bromobenzene
Concen: 5.05 ug/l
RT: 12.755 min Scan# 1842
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



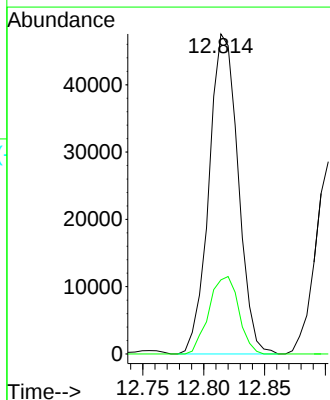
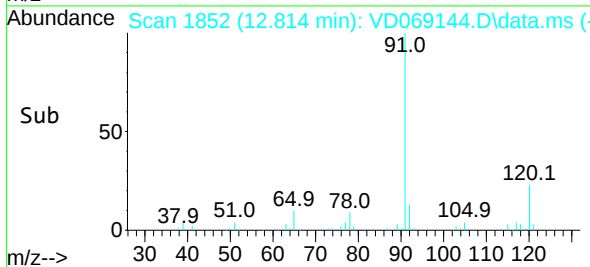
Tgt Ion:156 Resp: 17663
Ion Ratio Lower Upper
156 100
77 185.7 85.8 257.3
158 96.0 47.8 143.4



#78
n-propylbenzene
Concen: 4.46 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



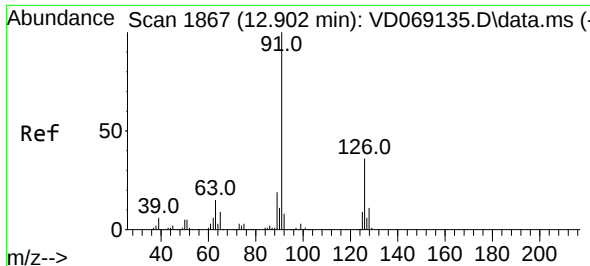
Tgt Ion: 91 Resp: 79187
Ion Ratio Lower Upper
91 100
120 24.7 11.6 34.7



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



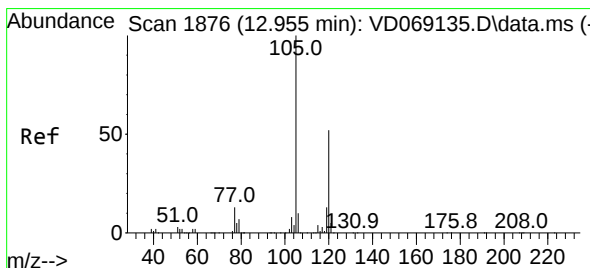
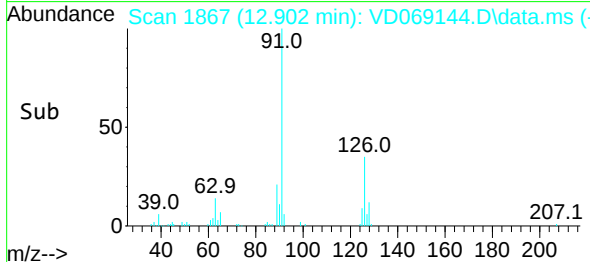
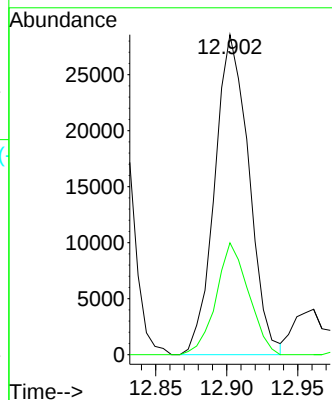
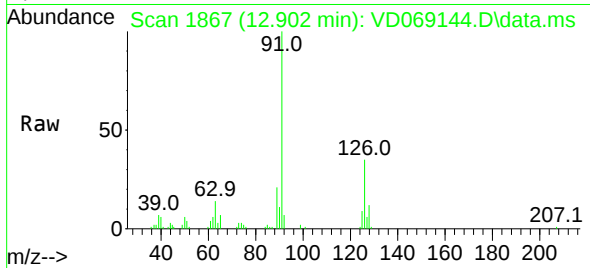
#79
2-Chlorotoluene
Concen: 4.83 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion: 91 Resp: 47742
Ion Ratio Lower Upper
91 100
126 33.2 18.1 54.1

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

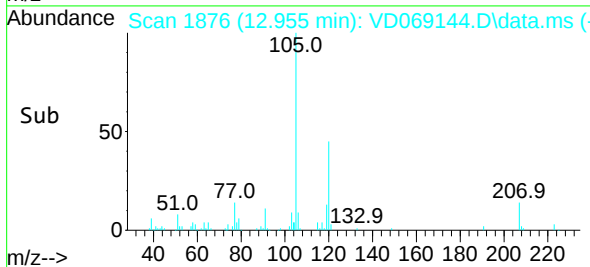
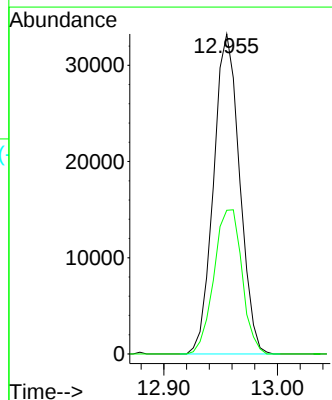
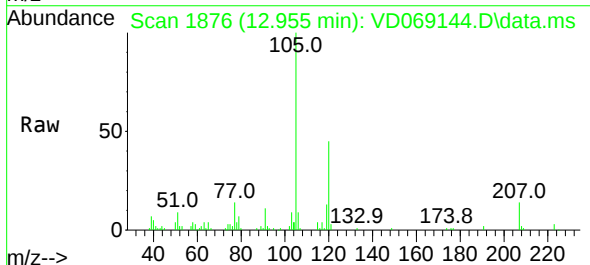
Manual Integrations
APPROVED

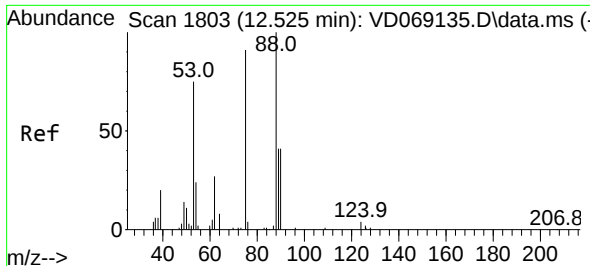
MMDadoda
5/13/2021 4:06:12 PM



#80
1,3,5-Trimethylbenzene
Concen: 4.37 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

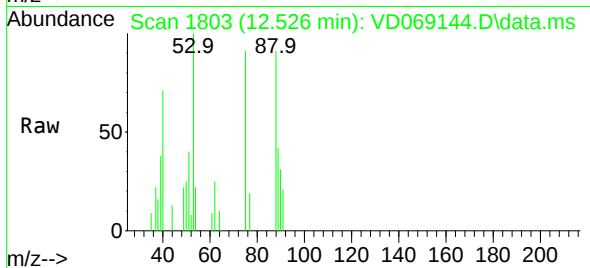
Tgt Ion: 105 Resp: 53027
Ion Ratio Lower Upper
105 100
120 48.4 25.3 75.8





#81
trans-1,4-Dichloro-2-butene
Concen: 4.57 ug/l
RT: 12.526 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

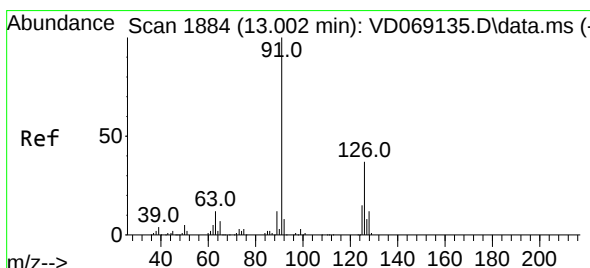
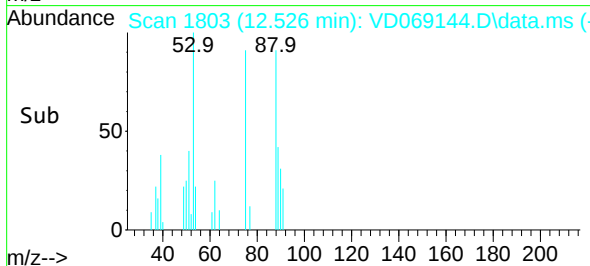
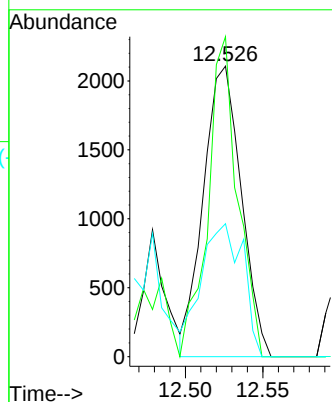
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.6	70.0	105.0
89	50.6	40.2	60.2

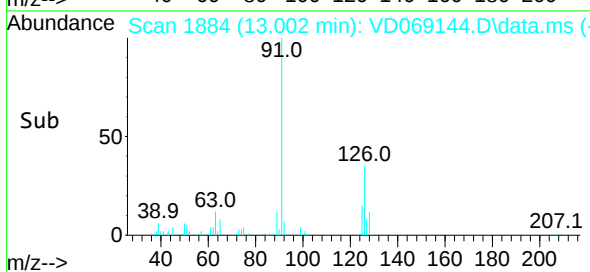
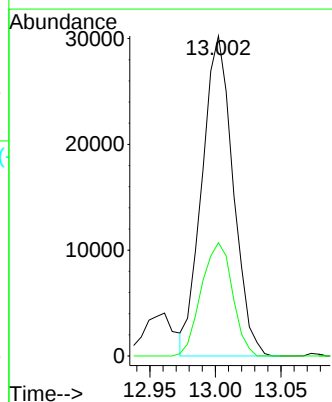
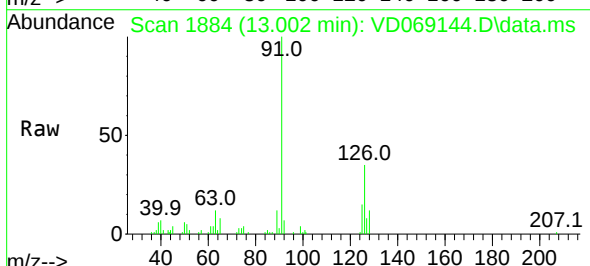
Manual Integrations
APPROVED

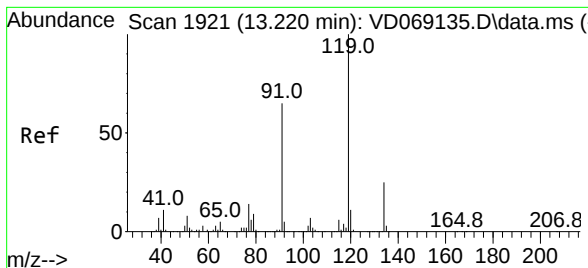
MMDadoda
5/13/2021 4:06:12 PM



#82
4-Chlorotoluene
Concen: 4.73 ug/l
RT: 13.002 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

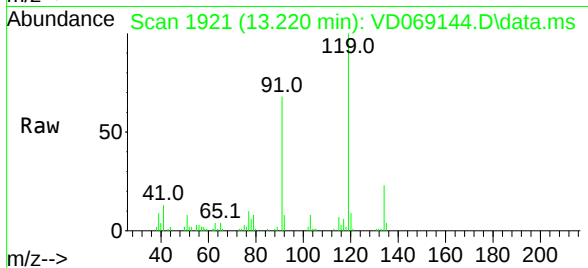
Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.7	53.1





#83
tert-Butylbenzene
Concen: 4.35 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

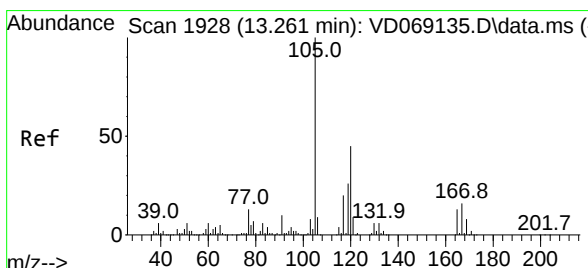
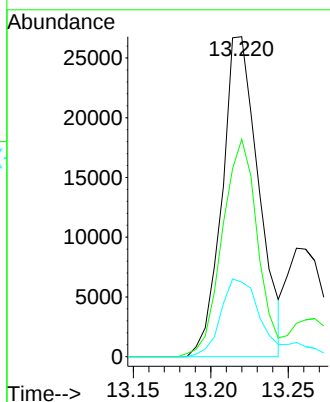
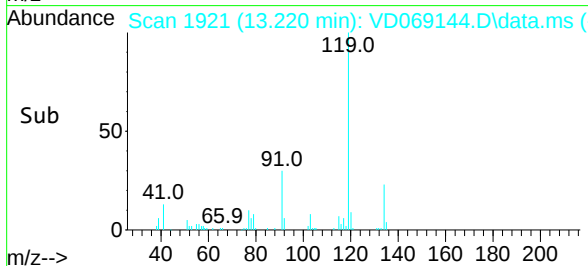
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



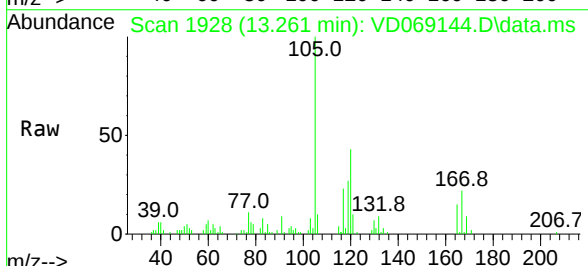
Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.5	97.4
134	28.8	13.8	41.3

Manual Integrations
APPROVED

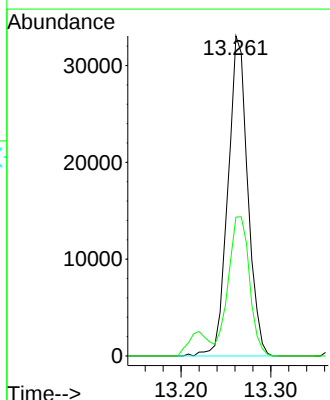
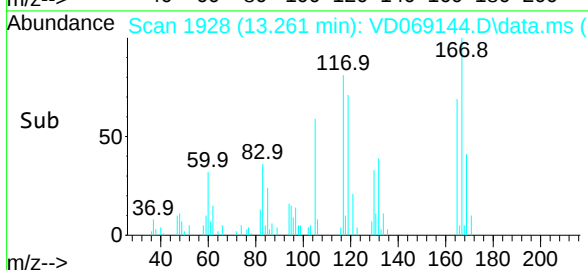
MMDadoda
5/13/2021 4:06:12 PM

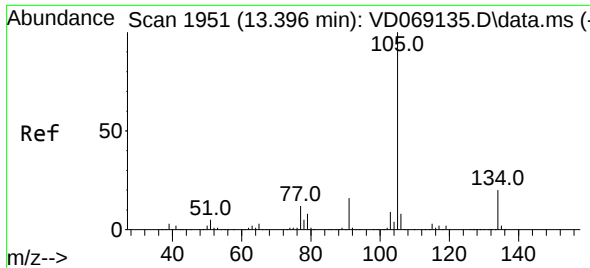


#84
1,2,4-Trimethylbenzene
Concen: 4.13 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.8	68.4





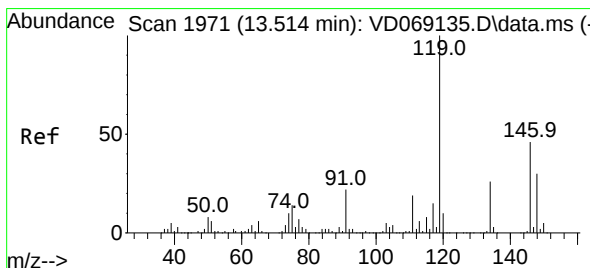
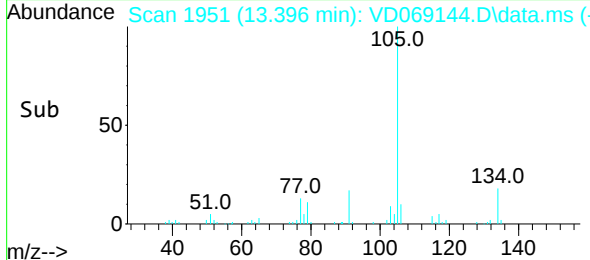
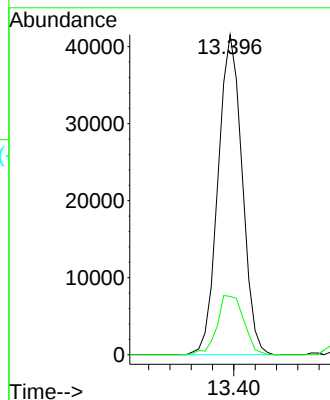
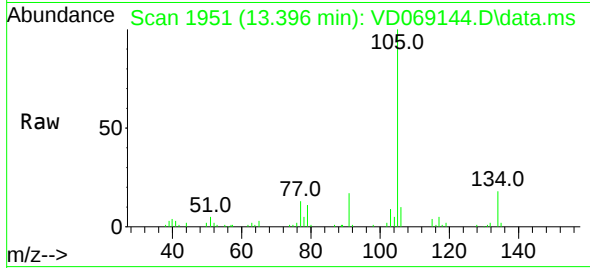
#85
 sec-Butylbenzene
 Concen: 4.27 ug/l
 RT: 13.396 min Scan# 1951
 Delta R.T. 0.000 min
 Lab File: VD069144.D
 Acq: 12 May 2021 18:54

Tgt Ion:105 Resp: 64979
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2021

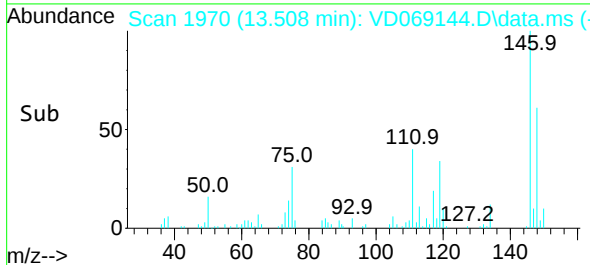
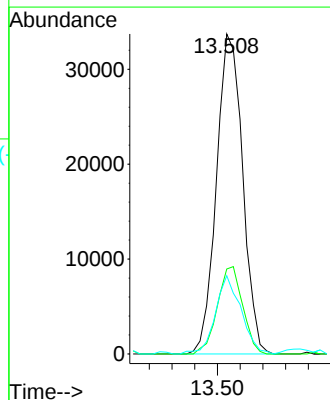
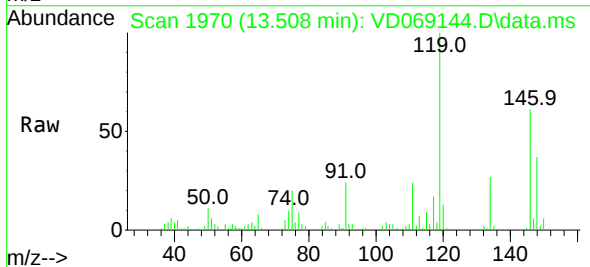
Manual Integrations
 APPROVED

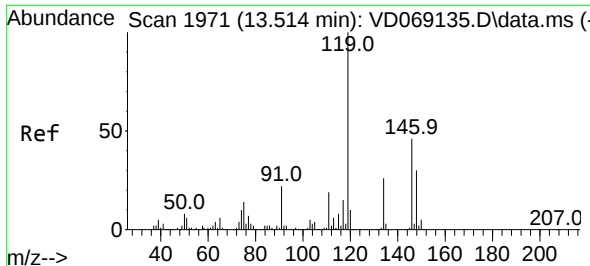
MMDadoda
 5/13/2021 4:06:12 PM



#86
 p-Isopropyltoluene
 Concen: 4.04 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.006 min
 Lab File: VD069144.D
 Acq: 12 May 2021 18:54

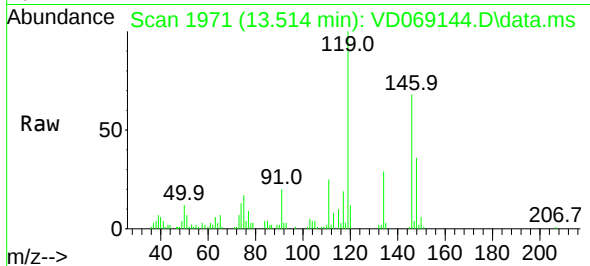
Tgt Ion:119 Resp: 53977
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 23.9 11.3 33.9





#87
1,3-Dichlorobenzene
Concen: 5.01 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

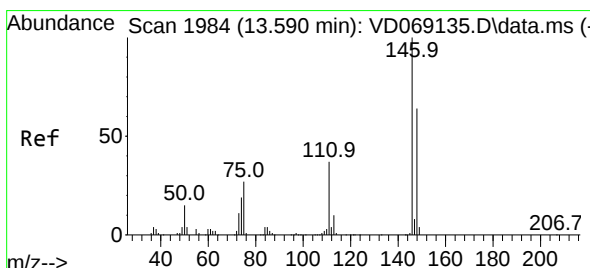
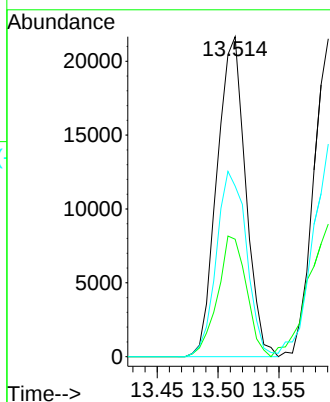
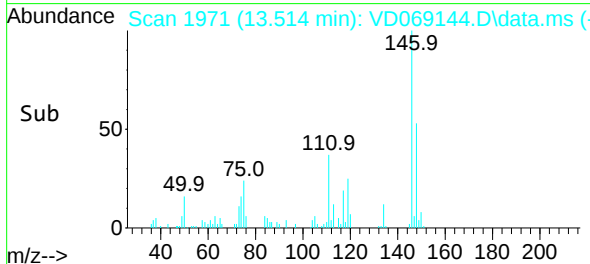
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021



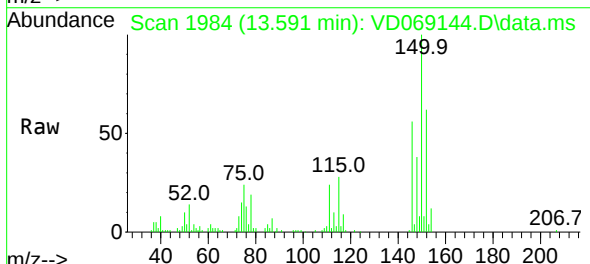
Tgt Ion:146 Resp: 35438
Ion Ratio Lower Upper
146 100
111 37.9 19.9 59.6
148 61.1 31.6 94.8

Manual Integrations
APPROVED

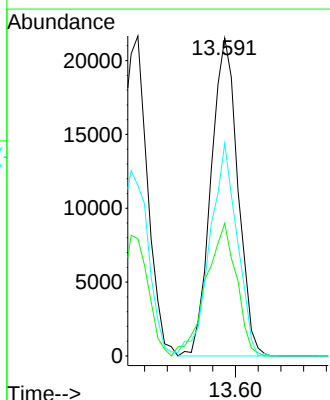
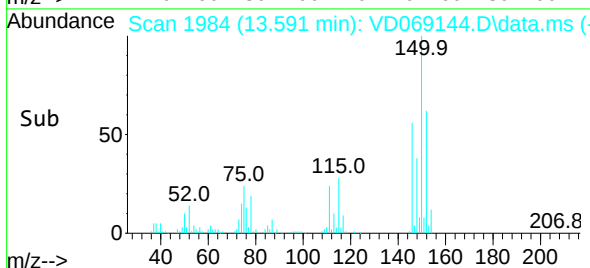
MMDadoda
5/13/2021 4:06:12 PM

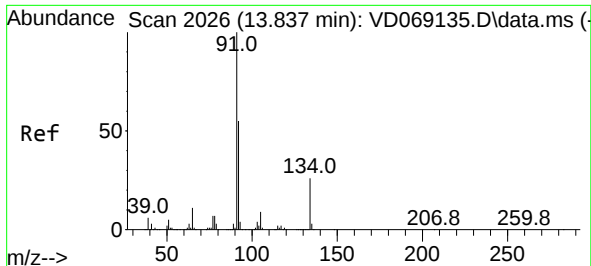


#88
1,4-Dichlorobenzene
Concen: 5.04 ug/l
RT: 13.591 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



Tgt Ion:146 Resp: 35308
Ion Ratio Lower Upper
146 100
111 47.3 19.4 58.2
148 67.5 32.4 97.0





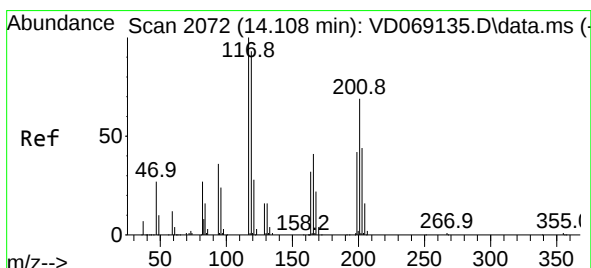
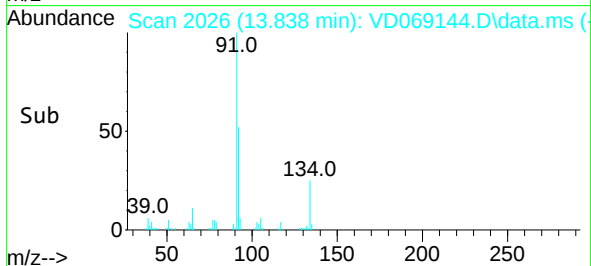
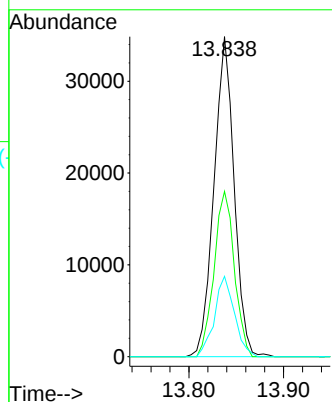
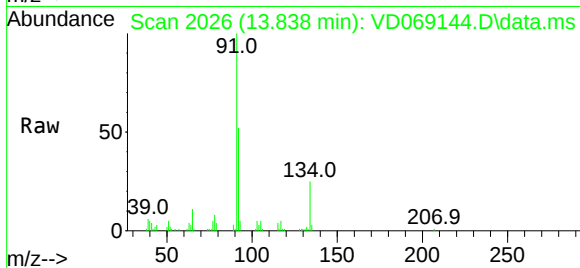
#89
n-Butylbenzene
Concen: 4.13 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:	91	Resp:	51485
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.5	79.5
134	24.9	13.0	39.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

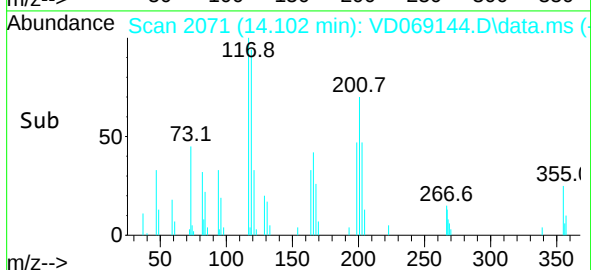
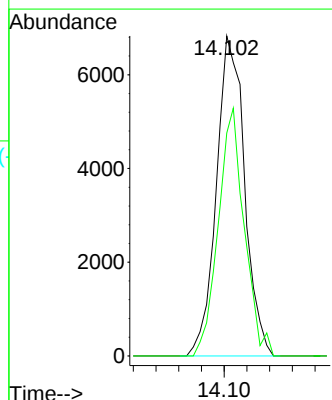
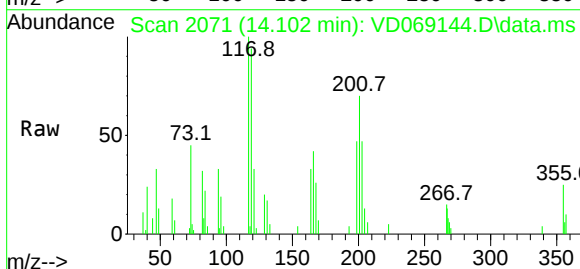
Manual Integrations
APPROVED

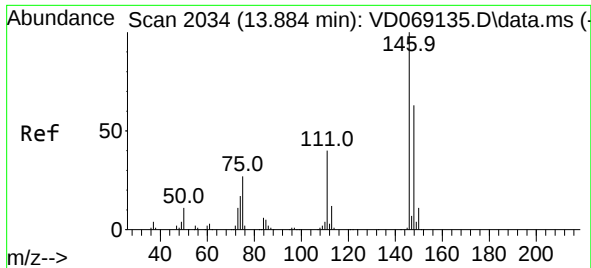
MMDadoda
5/13/2021 4:06:12 PM



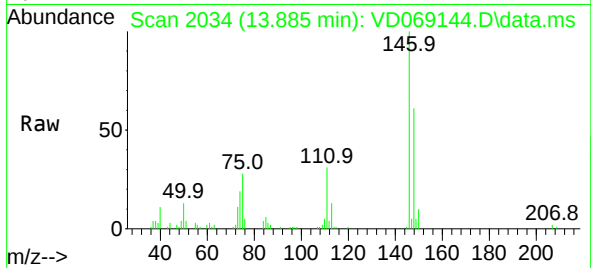
#90
Hexachloroethane
Concen: 4.69 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:	117	Resp:	11763
Ion Ratio	Lower	Upper	
117	100		
201	71.5	35.4	106.1

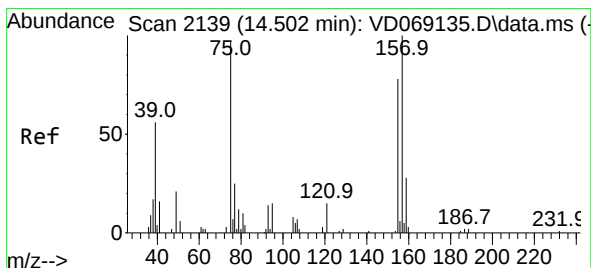
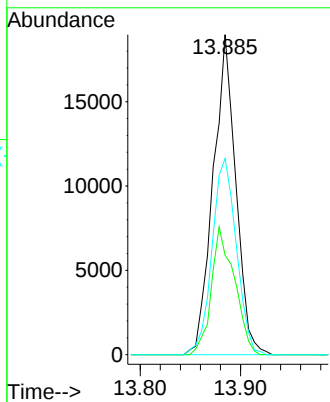
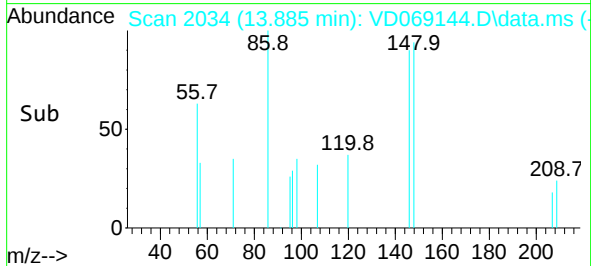




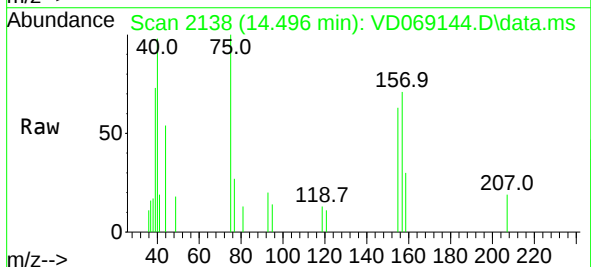
#91
1,2-Dichlorobenzene
Concen: 4.92 ug/l
RT: 13.885 min Scan# 2034
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



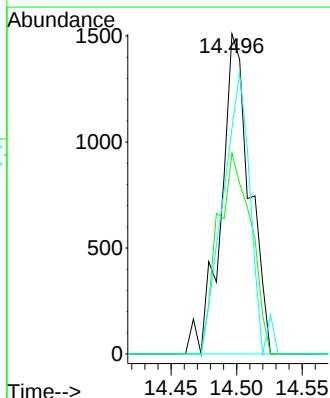
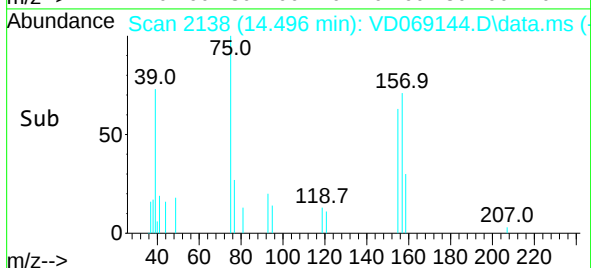
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	61.0
148	65.5	31.3	93.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.53 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. -0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



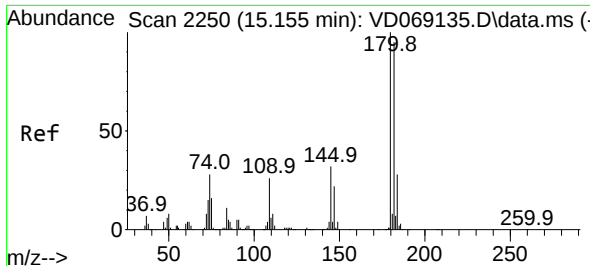
Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	43.9	131.7
157	84.3	54.9	164.7



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



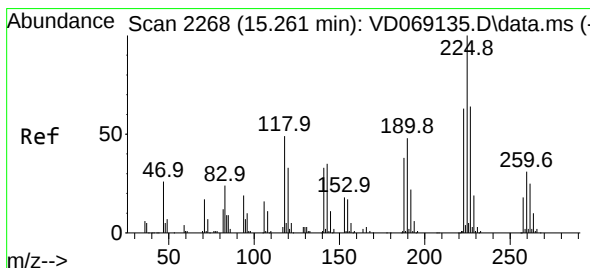
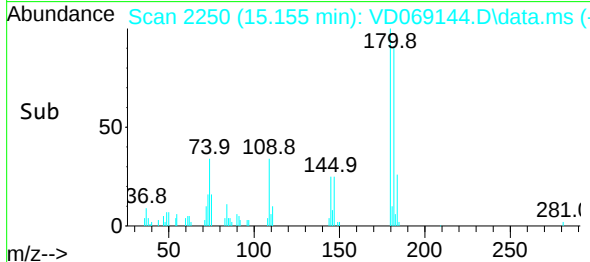
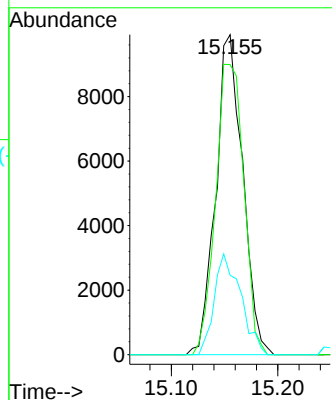
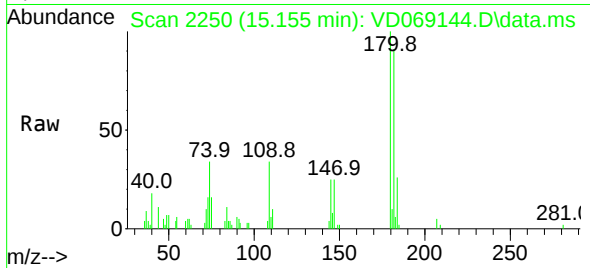
#93
1,2,4-Trichlorobenzene
Concen: 4.67 ug/l
RT: 15.155 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:	180	Resp:	17396
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.8	143.3
145	30.9	15.6	46.8

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

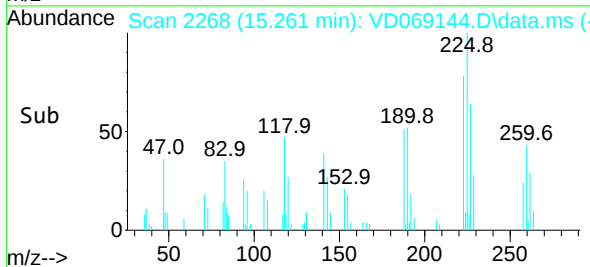
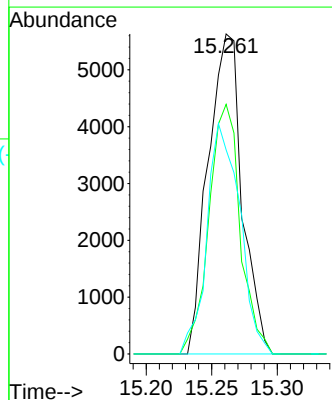
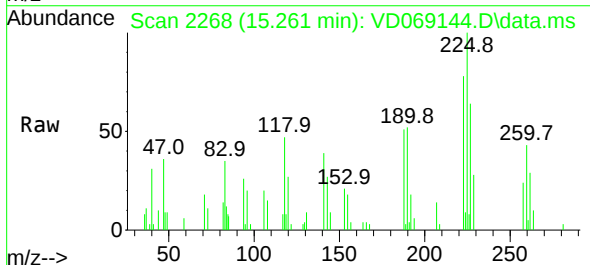
Manual Integrations
APPROVED

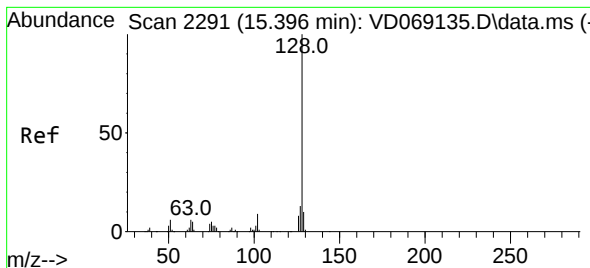
MMDadoda
5/13/2021 4:06:12 PM



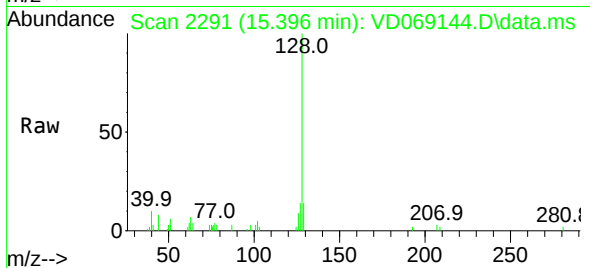
#94
Hexachlorobutadiene
Concen: 4.56 ug/l
RT: 15.261 min Scan# 2268
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54

Tgt Ion:	225	Resp:	10178
Ion Ratio	Lower	Upper	
225	100		
223	71.6	31.1	93.5
227	69.6	31.6	95.0

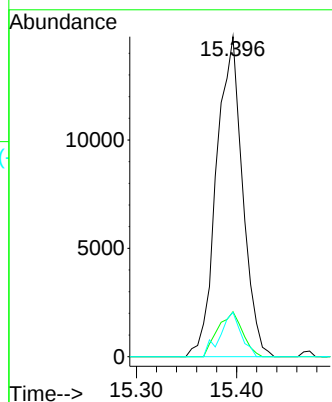
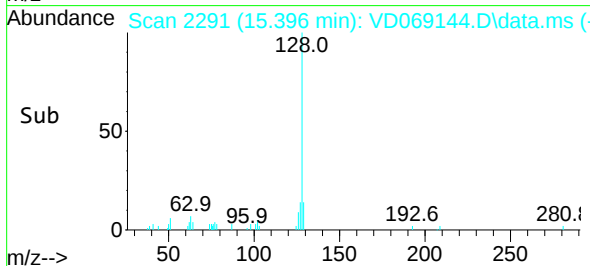




#95
Naphthalene
Concen: 4.27 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



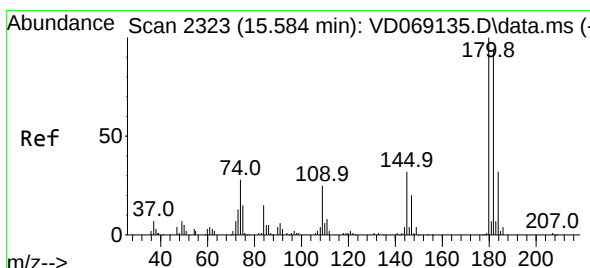
Tgt Ion:128 Resp: 26655
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.1 8.9 13.3



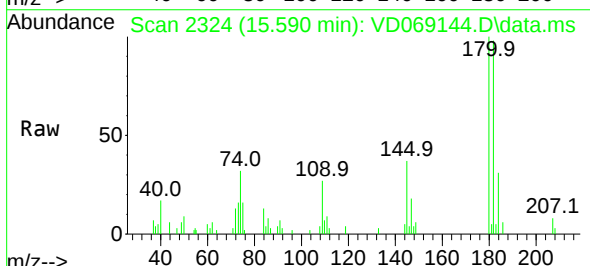
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:06:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.62 ug/l
RT: 15.590 min Scan# 2324
Delta R.T. 0.006 min
Lab File: VD069144.D
Acq: 12 May 2021 18:54



Tgt Ion:180 Resp: 14725
Ion Ratio Lower Upper
180 100
182 94.0 47.8 143.4
145 31.3 16.1 48.3

