

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031721\
 Data File : VW018358.D
 Acq On : 17 Mar 2021 21:18
 Operator : SY/VA
 Sample : M1458-02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 4:12:55 PM

Quant Time: Mar 18 03:34:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 18 03:32:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	367694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	628425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	575825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	275543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	199735	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
35) Dibromofluoromethane	7.884	113	175991	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
50) Toluene-d8	10.323	98	698406	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	12.615	95	265541	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	10962	4.19	ug/l	96
3) Chloromethane	2.215	50	20598	5.09	ug/l	99
4) Vinyl Chloride	2.361	62	19722	5.04	ug/l	98
5) Bromomethane	2.776	94	19267	6.04	ug/l	86
6) Chloroethane	2.922	64	16530	5.40	ug/l	98
7) Trichlorofluoromethane	3.257	101	12726	4.19	ug/l	100
8) Diethyl Ether	3.684	74	9448	5.15	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.062	101	17429	5.08	ug/l	96
10) Methyl Iodide	4.269	142	26215	5.19	ug/l	95
11) Tert butyl alcohol	5.159	59	7757	32.46	ug/l #	72
12) 1,1-Dichloroethene	4.038	96	17896	5.06	ug/l #	88
13) Acrolein	3.897	56	5321	29.16	ug/l	94
14) Allyl chloride	4.666	41	24038	4.99	ug/l	95
15) Acrylonitrile	5.367	53	20245	27.88	ug/l	98
16) Acetone	4.123	43	18153	30.93	ug/l	95
17) Carbon Disulfide	4.385	76	44659	4.81	ug/l	98
18) Methyl Acetate	4.672	43	9477	6.15	ug/l	93
19) Methyl tert-butyl Ether	5.434	73	29889	5.63	ug/l	94
20) Methylene Chloride	4.922	84	32134	7.20	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	21635	5.20	ug/l #	84
22) Diisopropyl ether	6.312	45	53001	5.36	ug/l	96
23) Vinyl Acetate	6.257	43	157262	25.69	ug/l	97
24) 1,1-Dichloroethane	6.220	63	36623	5.16	ug/l	99
25) 2-Butanone	7.171	43	24636	28.33	ug/l	99
26) 2,2-Dichloropropane	7.165	77	23358	5.12	ug/l	96
27) cis-1,2-Dichloroethene	7.171	96	24366	5.38	ug/l	93
28) Bromochloromethane	7.513	49	15980	5.77	ug/l	88
29) Tetrahydrofuran	7.531	42	15114	26.78	ug/l	96
30) Chloroform	7.677	83	39509	5.28	ug/l	100
31) Cyclohexane	7.952	56	39129	5.82	ug/l #	85
32) 1,1,1-Trichloroethane	7.872	97	31244	5.14	ug/l	94
36) 1,1-Dichloropropene	8.080	75	30304	4.88	ug/l	99
37) Ethyl Acetate	7.263	43	10052	4.63	ug/l #	83
38) Carbon Tetrachloride	8.073	117	27999	4.82	ug/l	93
39) Methylcyclohexane	9.335	83	38912	4.95	ug/l	97
40) Benzene	8.323	78	85016	5.11	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031721\
 Data File : VW018358.D
 Acq On : 17 Mar 2021 21:18
 Operator : SY/VA
 Sample : M1458-02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 4:12:55 PM

Quant Time: Mar 18 03:34:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 18 03:32:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.476	41	6248	5.32	ug/l #	92
42) 1,2-Dichloroethane	8.397	62	27167	5.20	ug/l	99
43) Isopropyl Acetate	8.427	43	21513	4.94	ug/l	98
44) Trichloroethene	9.092	130	22293	4.98	ug/l	94
45) 1,2-Dichloropropane	9.372	63	20550	5.12	ug/l	93
46) Dibromomethane	9.463	93	11097	4.95	ug/l	98
47) Bromodichloromethane	9.646	83	28940	4.96	ug/l	99
48) Methyl methacrylate	9.439	41	9514	4.60	ug/l	90
49) 1,4-Dioxane	9.451	88	4112	126.35	ug/l	96
51) 4-Methyl-2-Pentanone	10.207	43	53388	25.08	ug/l	99
52) Toluene	10.390	92	54838	5.00	ug/l	100
53) t-1,3-Dichloropropene	10.610	75	27945	4.70	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	33109	4.88	ug/l	91
55) 1,1,2-Trichloroethane	10.786	97	16146	5.32	ug/l	97
56) Ethyl methacrylate	10.640	69	19737	5.00	ug/l	96
57) 1,3-Dichloropropane	10.933	76	27469	5.08	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.921	63	51240	25.58	ug/l	95
59) 2-Hexanone	10.969	43	37080	25.31	ug/l	97
60) Dibromochloromethane	11.128	129	17046	4.56	ug/l	95
61) 1,2-Dibromoethane	11.238	107	14573	4.89	ug/l	99
64) Tetrachloroethene	10.860	164	18180	4.95	ug/l	93
65) Chlorobenzene	11.652	112	59244	5.09	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	19643	4.78	ug/l	98
67) Ethyl Benzene	11.731	91	109009	4.95	ug/l	96
68) m/p-Xylenes	11.841	106	79725	9.55	ug/l	95
69) o-Xylene	12.164	106	37272	4.77	ug/l	98
70) Styrene	12.182	104	61922	4.74	ug/l	99
71) Bromoform	12.353	173	9093	4.34	ug/l #	99
73) Isopropylbenzene	12.463	105	103634	4.99	ug/l	100
74) N-amyl acetate	12.274	43	20609	5.05	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	17742	5.24	ug/l	100
76) 1,2,3-Trichloropropane	12.768	75	13815m	5.45	ug/l	
77) Bromobenzene	12.749	156	22060	4.96	ug/l	93
78) n-propylbenzene	12.804	91	125723	5.08	ug/l	100
79) 2-Chlorotoluene	12.890	91	72275	5.10	ug/l	96
80) 1,3,5-Trimethylbenzene	12.945	105	86889	4.85	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.512	75	5142	4.44	ug/l	99
82) 4-Chlorotoluene	12.987	91	77034	5.16	ug/l	99
83) tert-Butylbenzene	13.207	119	73929	4.87	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	88696	4.95	ug/l	99
85) sec-Butylbenzene	13.383	105	101402	4.74	ug/l	98
86) p-Isopropyltoluene	13.493	119	94243	4.91	ug/l	97
87) 1,3-Dichlorobenzene	13.499	146	44474	4.96	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	45025	5.03	ug/l	88
89) n-Butylbenzene	13.822	91	95845	5.03	ug/l	99
90) Hexachloroethane	14.091	117	17383	4.92	ug/l	88
91) 1,2-Dichlorobenzene	13.871	146	39812	5.04	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.481	75	3422	5.45	ug/l	86
93) 1,2,4-Trichlorobenzene	15.133	180	29288	5.24	ug/l	91
94) Hexachlorobutadiene	15.231	225	14710	4.64	ug/l	83
95) Naphthalene	15.365	128	52096	5.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	22876	4.92	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031721\
Data File : VW018358.D
Acq On : 17 Mar 2021 21:18
Operator : SY/VA
Sample : M1458-02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

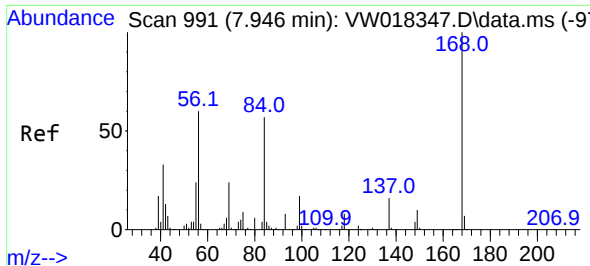
Manual Integrations
APPROVED

MMDadoda
3/18/2021 4:12:55 PM

Quant Time: Mar 18 03:34:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031721S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 18 03:32:22 2021
Response via : Initial Calibration

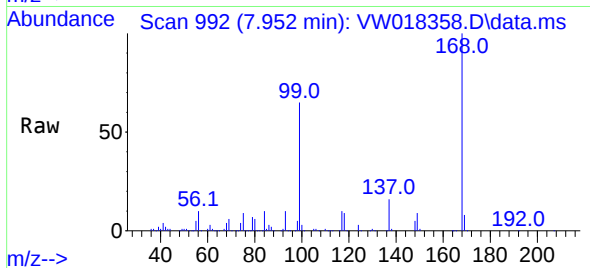
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

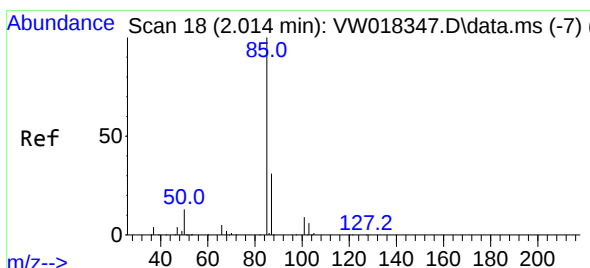
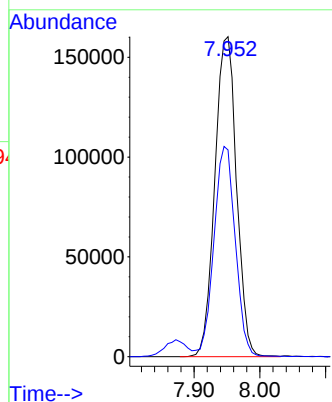
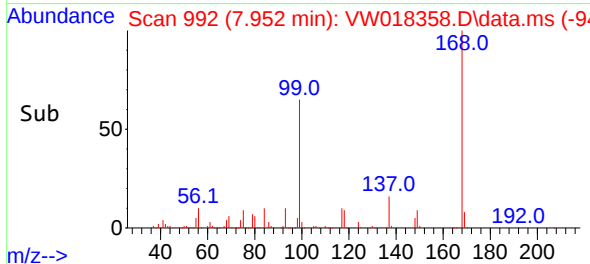
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



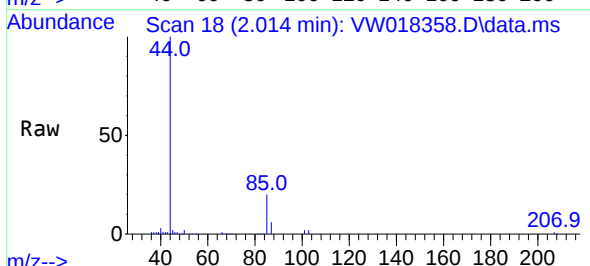
Tgt Ion:168 Resp: 367694
Ion Ratio Lower Upper
168 100
99 64.5 60.8 91.2

Manual Integrations
APPROVED

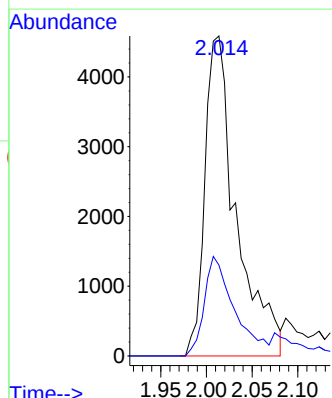
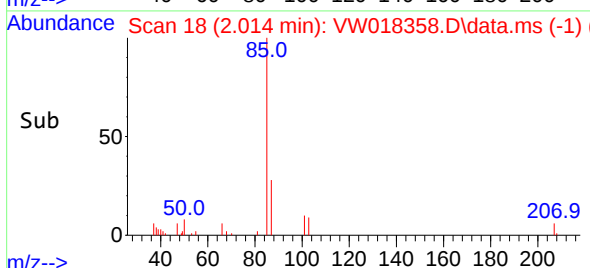
MMDadoda
3/18/2021 4:12:55 PM

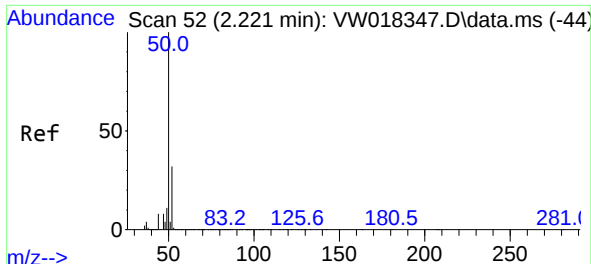


#2
Dichlorodifluoromethane
Concen: 4.19 ug/l
RT: 2.014 min Scan# 18
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 85 Resp: 10962
Ion Ratio Lower Upper
85 100
87 28.4 15.3 45.9





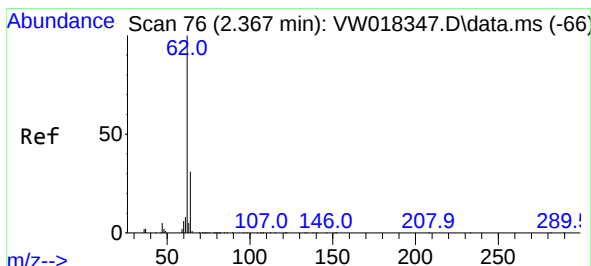
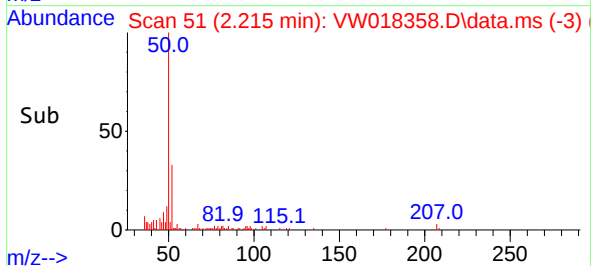
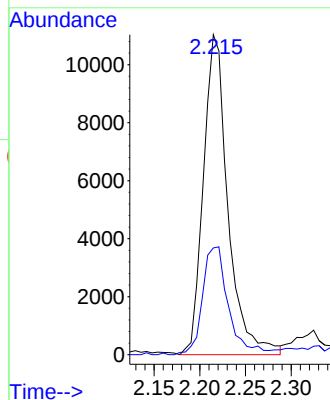
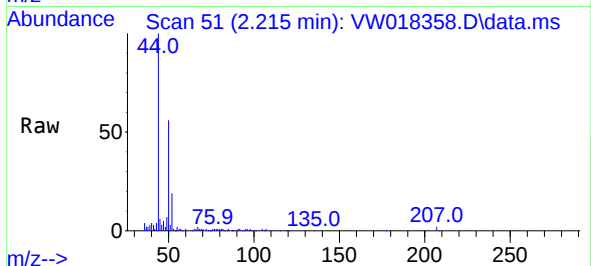
#3
Chloromethane
Concen: 5.09 ug/l
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 50 Resp: 20598
Ion Ratio Lower Upper
50 100
52 32.6 25.8 38.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

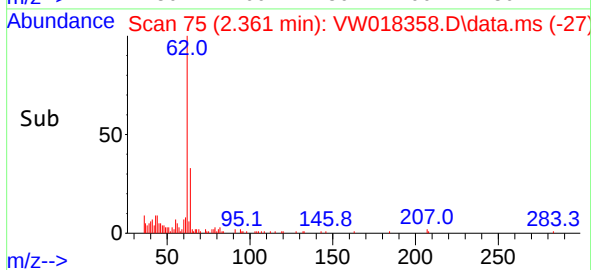
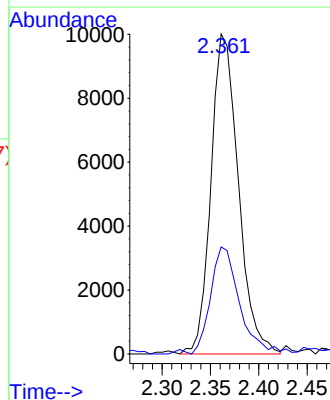
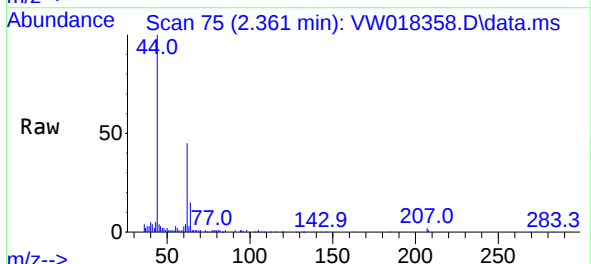
Manual Integrations
APPROVED

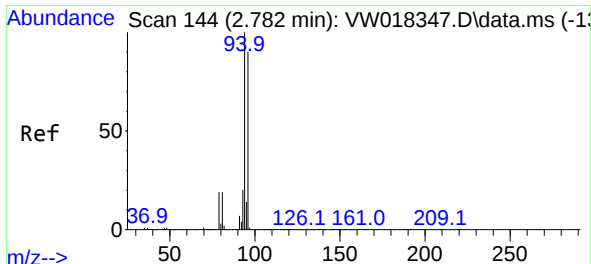
MMDadoda
3/18/2021 4:12:55 PM



#4
Vinyl Chloride
Concen: 5.04 ug/l
RT: 2.361 min Scan# 75
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 62 Resp: 19722
Ion Ratio Lower Upper
62 100
64 32.5 26.7 40.1





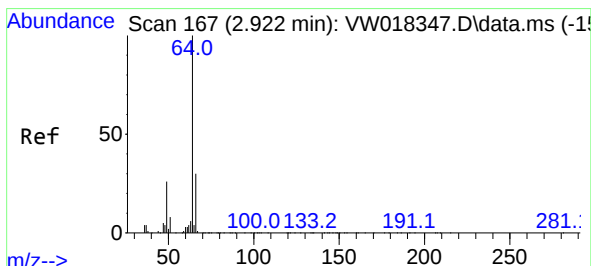
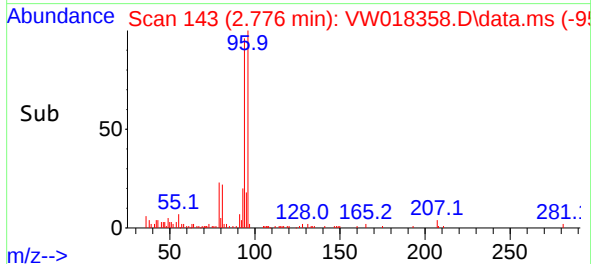
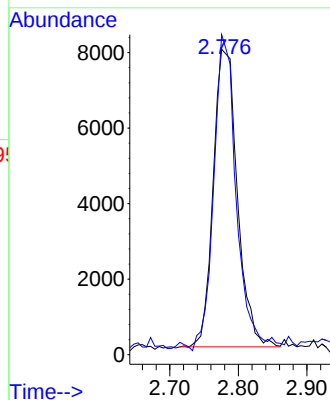
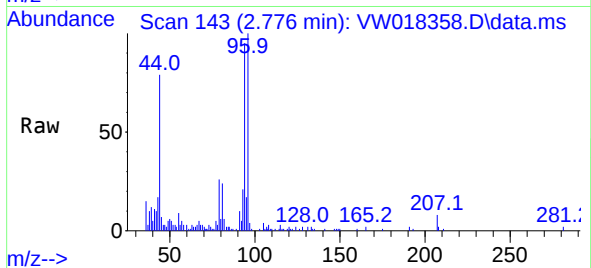
#5
Bromomethane
Concen: 6.04 ug/l
RT: 2.776 min Scan# 143
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 94 Resp: 19267
Ion Ratio Lower Upper
94 100
96 103.7 72.3 108.5

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

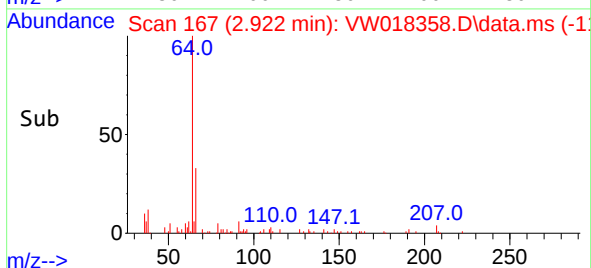
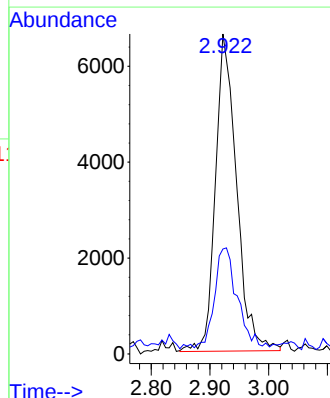
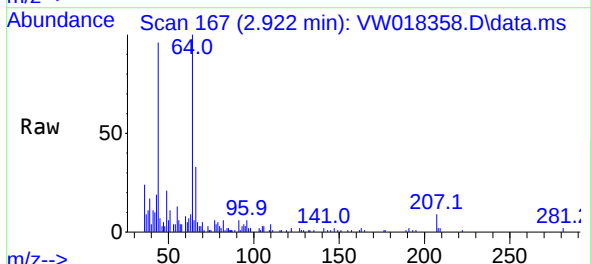
Manual Integrations
APPROVED

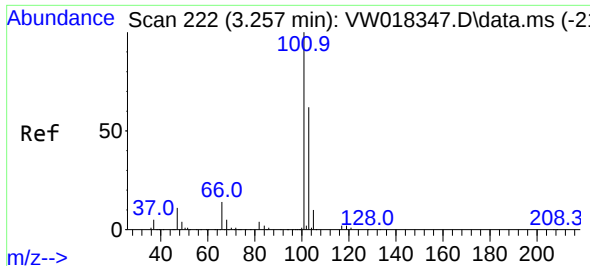
MMDadoda
3/18/2021 4:12:55 PM



#6
Chloroethane
Concen: 5.40 ug/l
RT: 2.922 min Scan# 167
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 64 Resp: 16530
Ion Ratio Lower Upper
64 100
66 31.5 24.5 36.7





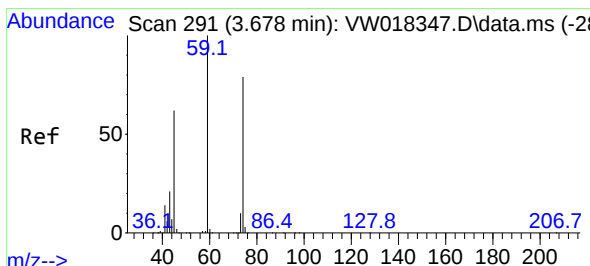
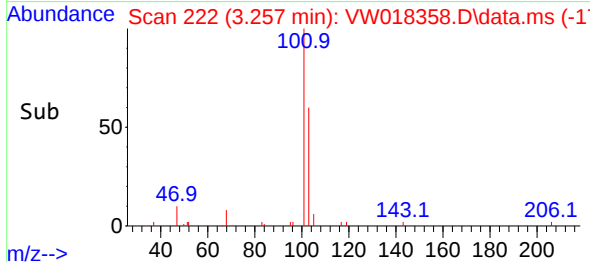
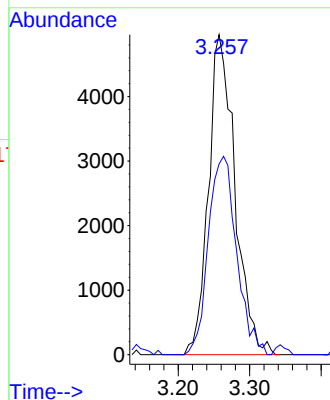
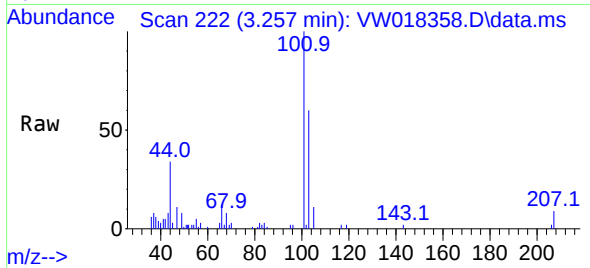
#7
 Trichlorofluoromethane
 Concen: 4.19 ug/l
 RT: 3.257 min Scan# 222
 Delta R.T. 0.000 min
 Lab File: VW018358.D
 Acq: 17 Mar 2021 21:18

Tgt Ion: 101 Resp: 12726
 Ion Ratio Lower Upper
 101 100
 103 59.6 47.6 71.4

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021

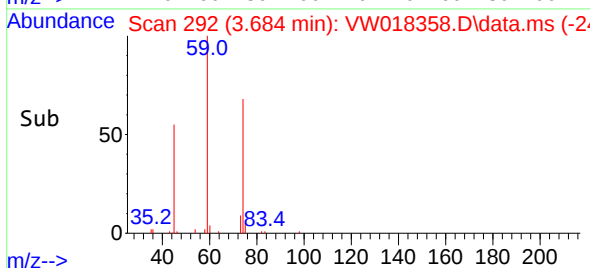
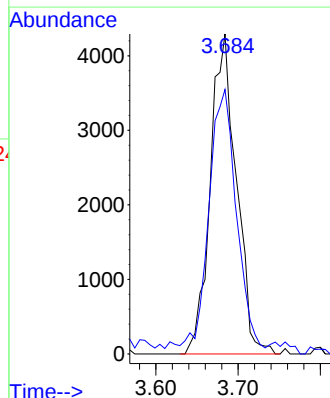
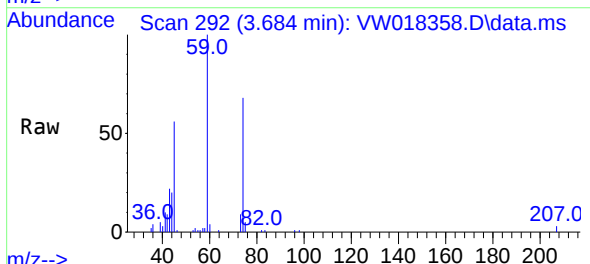
Manual Integrations
 APPROVED

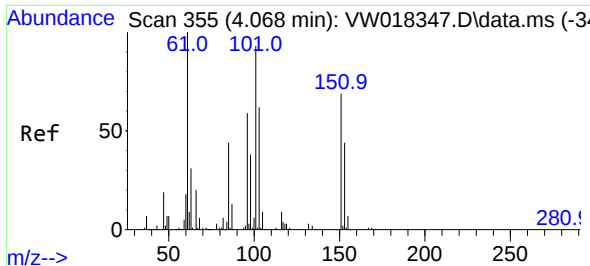
MMDadoda
 3/18/2021 4:12:55 PM



#8
 Diethyl Ether
 Concen: 5.15 ug/l
 RT: 3.684 min Scan# 292
 Delta R.T. 0.006 min
 Lab File: VW018358.D
 Acq: 17 Mar 2021 21:18

Tgt Ion: 74 Resp: 9448
 Ion Ratio Lower Upper
 74 100
 45 84.9 38.4 115.1





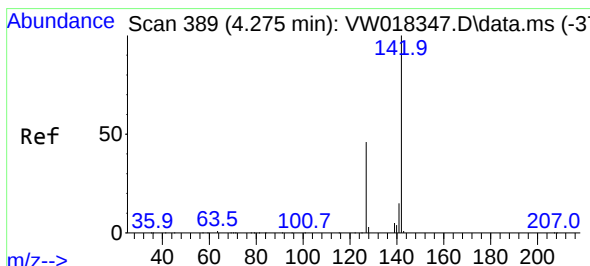
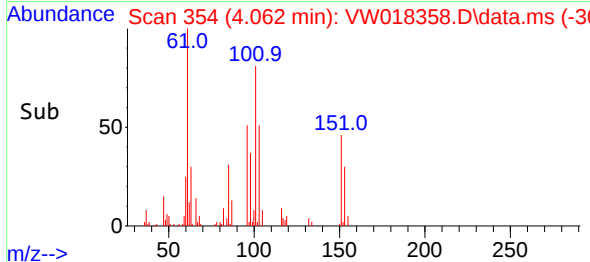
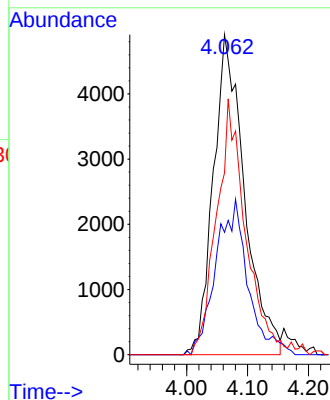
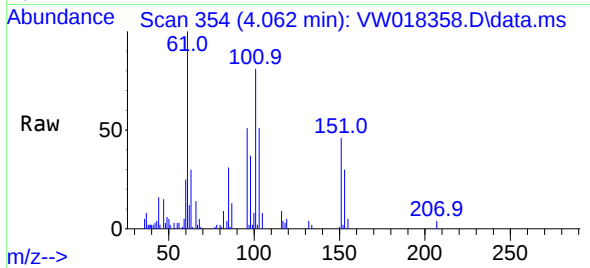
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.08 ug/l
RT: 4.062 min Scan# 354
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:101 Resp: 17429
Ion Ratio Lower Upper
101 100
85 50.0 36.2 54.4
151 74.3 61.0 91.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

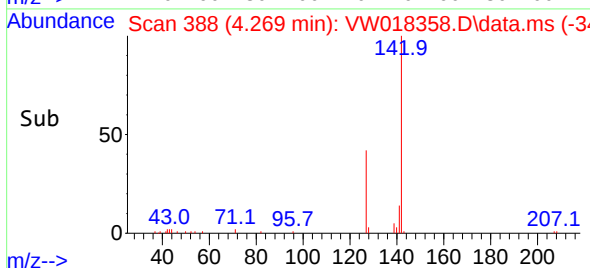
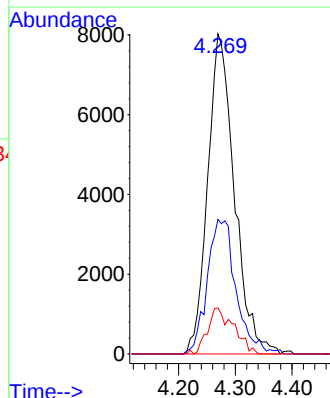
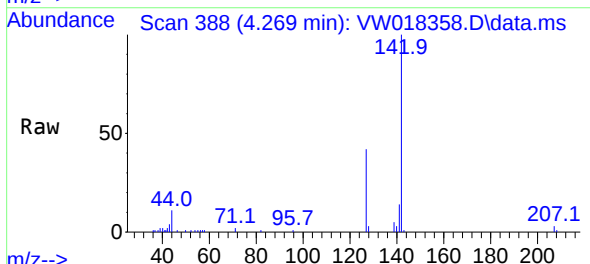
Manual Integrations
APPROVED

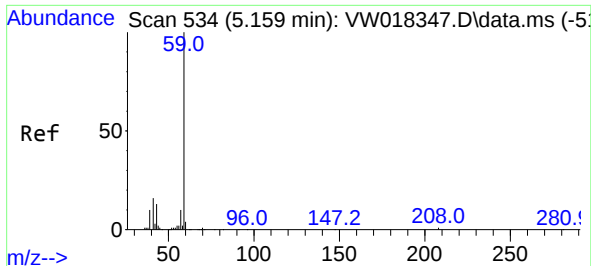
MMDadoda
3/18/2021 4:12:55 PM



#10
Methyl Iodide
Concen: 5.19 ug/l
RT: 4.269 min Scan# 388
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:142 Resp: 26215
Ion Ratio Lower Upper
142 100
127 45.4 39.8 59.6
141 14.2 11.8 17.6





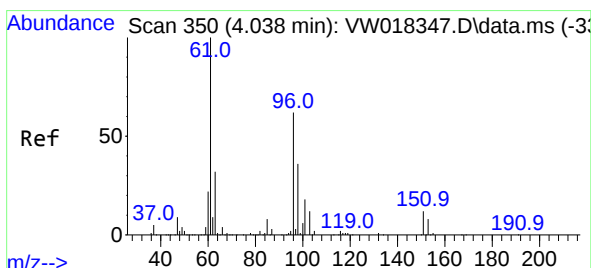
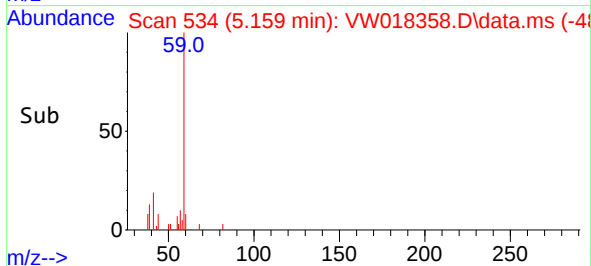
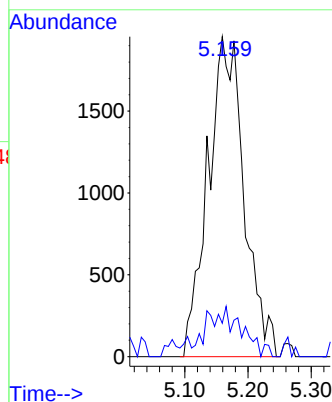
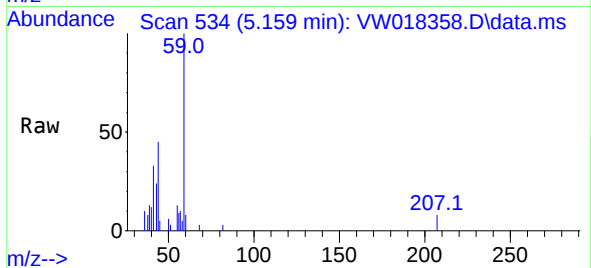
#11
Tert butyl alcohol
Concen: 32.46 ug/l
RT: 5.159 min Scan# 534
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 59 Resp: 7757
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

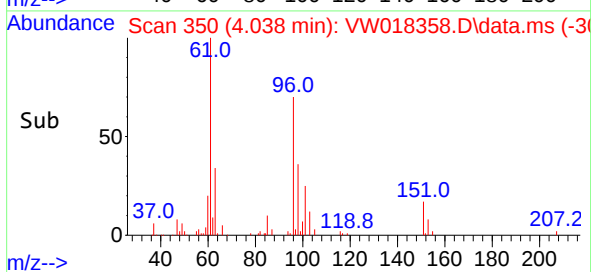
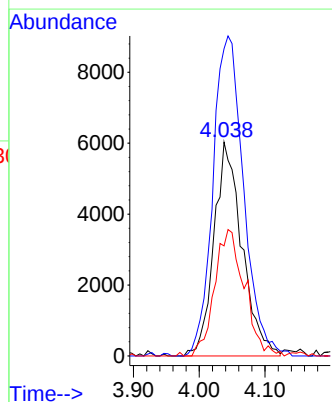
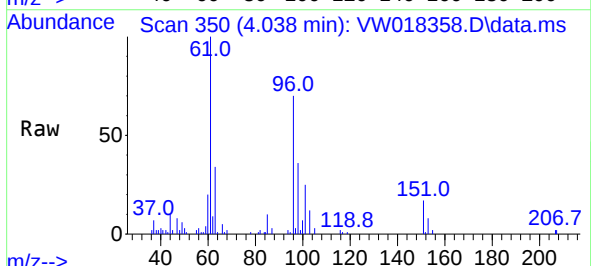
Manual Integrations
APPROVED

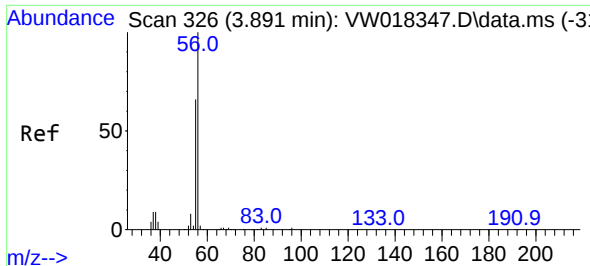
MMDadoda
3/18/2021 4:12:55 PM



#12
1,1-Dichloroethene
Concen: 5.06 ug/l
RT: 4.038 min Scan# 350
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 96 Resp: 17896
Ion Ratio Lower Upper
96 100
61 143.7 125.4 188.0
98 49.9 50.6 76.0#





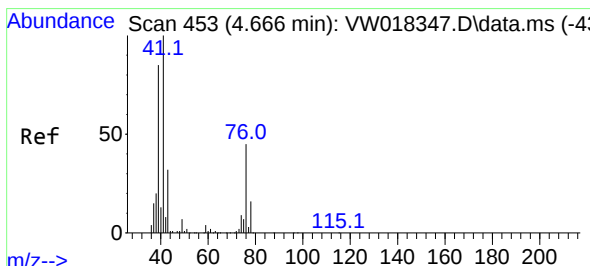
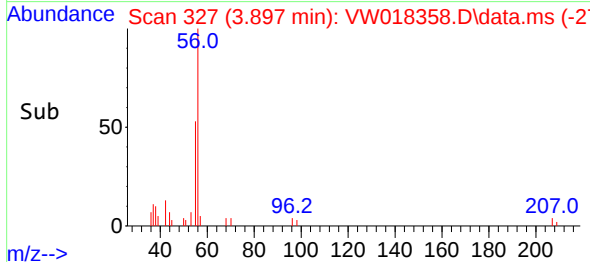
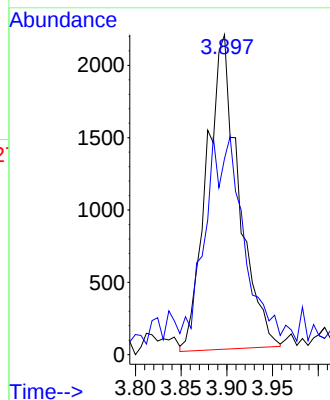
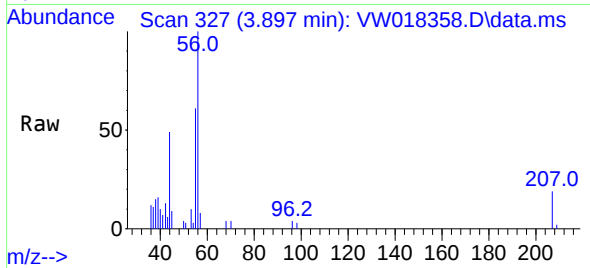
#13
Acrolein
Concen: 29.16 ug/l
RT: 3.897 min Scan# 327
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 56 Resp: 5321
Ion Ratio Lower Upper
56 100
55 76.2 56.8 85.2

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

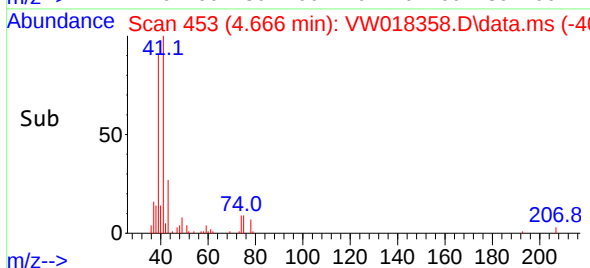
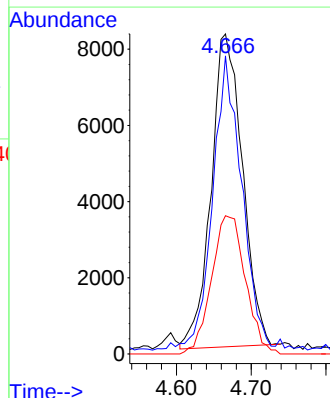
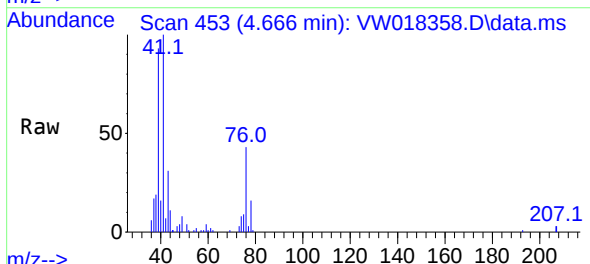
Manual Integrations
APPROVED

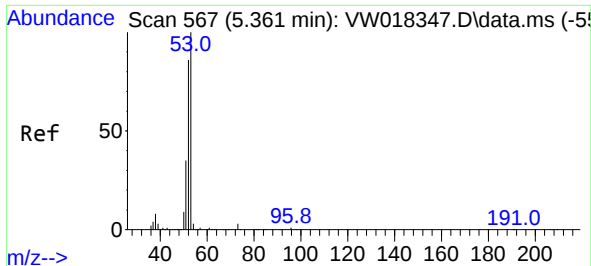
MMDadoda
3/18/2021 4:12:55 PM



#14
Allyl chloride
Concen: 4.99 ug/l
RT: 4.666 min Scan# 453
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

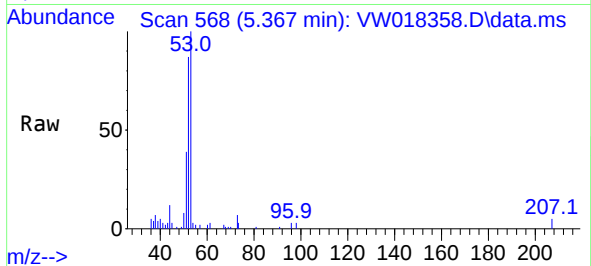
Tgt Ion: 41 Resp: 24038
Ion Ratio Lower Upper
41 100
39 87.7 64.6 96.8
76 47.6 37.9 56.9





#15
Acrylonitrile
Concen: 27.88 ug/l
RT: 5.367 min Scan# 568
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

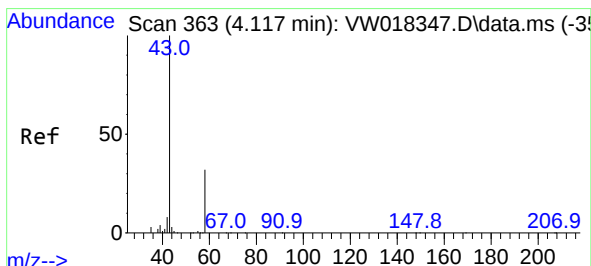
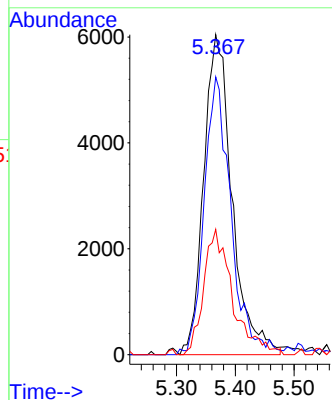
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



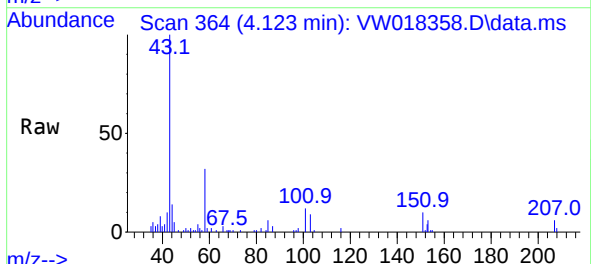
Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	99.8
51	40.0	30.5	45.7

Manual Integrations
APPROVED

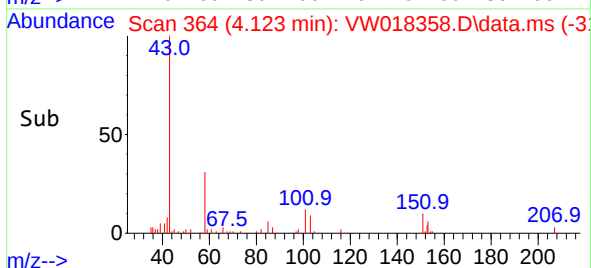
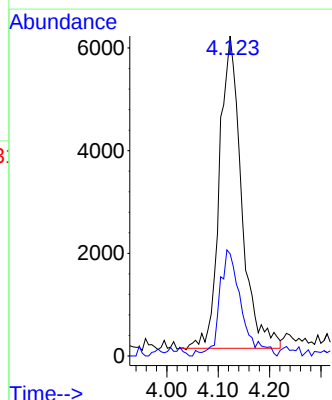
MMDadoda
3/18/2021 4:12:55 PM

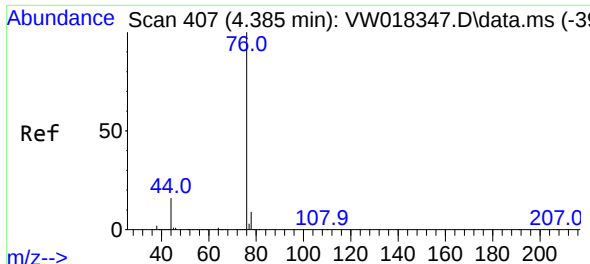


#16
Acetone
Concen: 30.93 ug/l
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



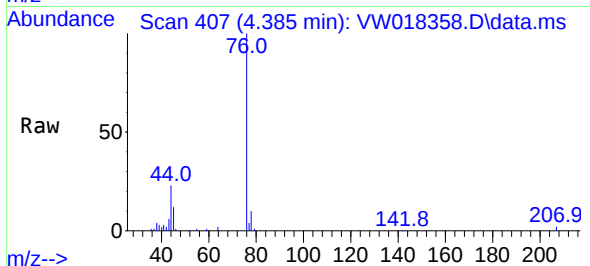
Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.9	40.3





#17
Carbon Disulfide
Concen: 4.81 ug/l
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

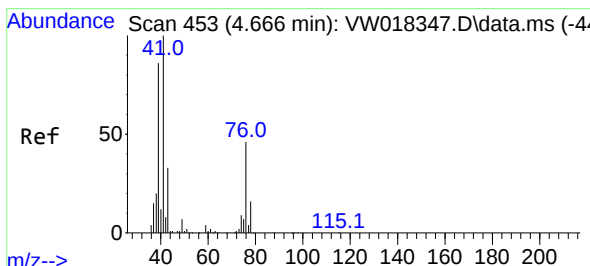
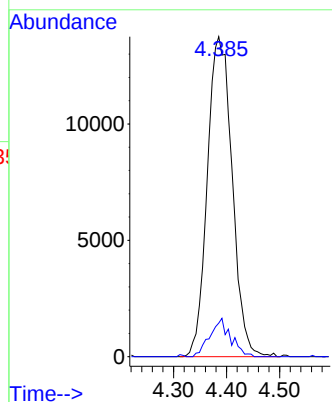
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



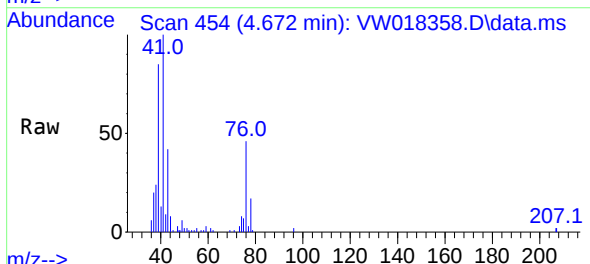
Tgt Ion: 76 Resp: 44659
Ion Ratio Lower Upper
76 100
78 10.5 7.8 11.6

Manual Integrations
APPROVED

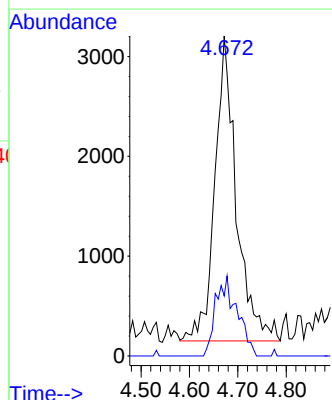
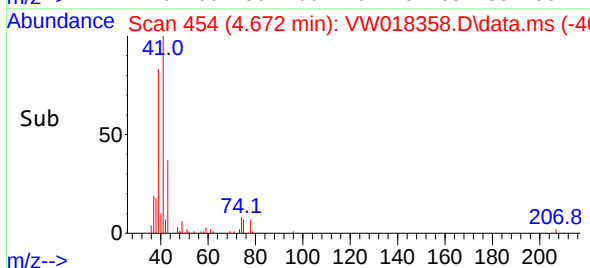
MMDadoda
3/18/2021 4:12:55 PM

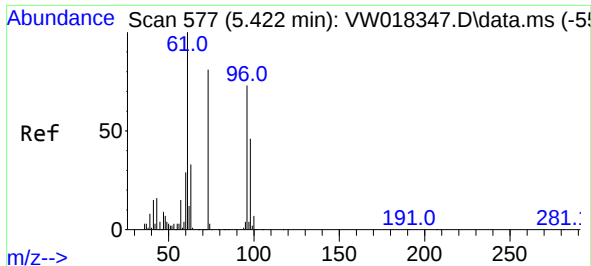


#18
Methyl Acetate
Concen: 6.15 ug/l
RT: 4.672 min Scan# 454
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 43 Resp: 9477
Ion Ratio Lower Upper
43 100
74 25.9 23.9 35.9





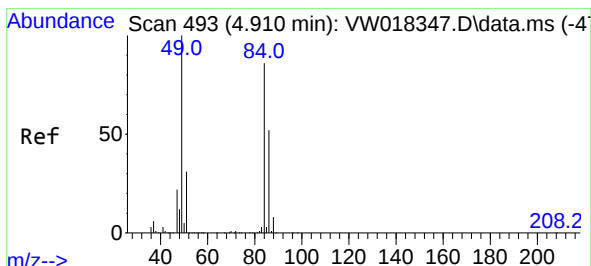
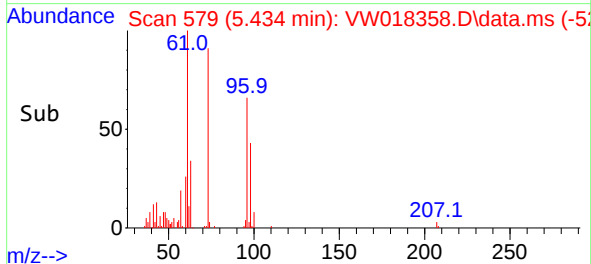
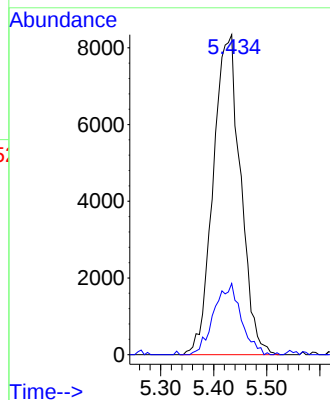
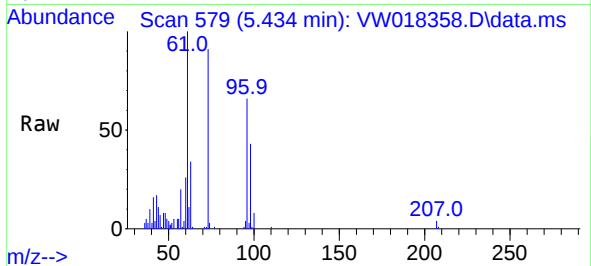
#19
Methyl tert-butyl Ether
Concen: 5.63 ug/l
RT: 5.434 min Scan# 579
Delta R.T. 0.012 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 73 Resp: 29889
Ion Ratio Lower Upper
73 100
57 22.3 15.6 23.4

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

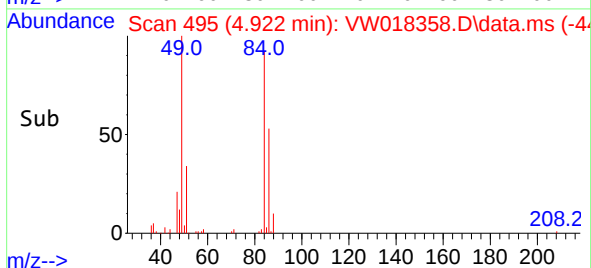
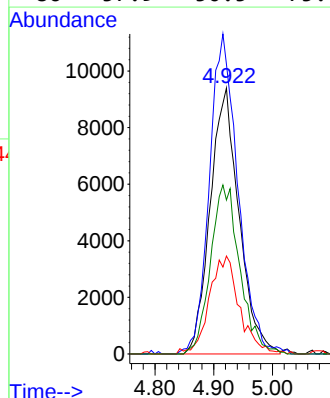
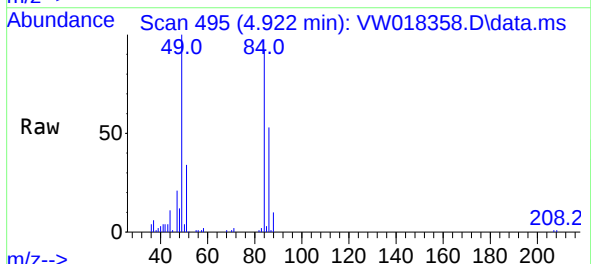
Manual Integrations
APPROVED

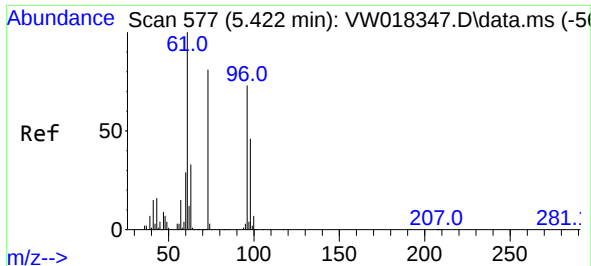
MMDadoda
3/18/2021 4:12:55 PM



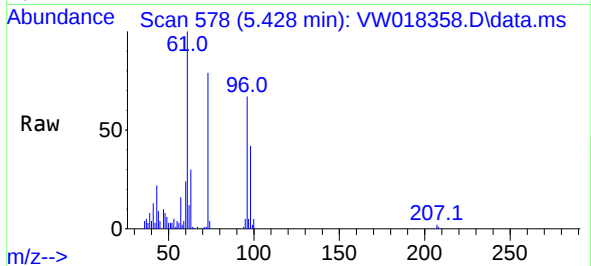
#20
Methylene Chloride
Concen: 7.20 ug/l
RT: 4.922 min Scan# 495
Delta R.T. 0.012 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 84 Resp: 32134
Ion Ratio Lower Upper
84 100
49 108.0 85.1 127.7
51 35.8 27.4 41.0
86 57.9 50.5 75.7

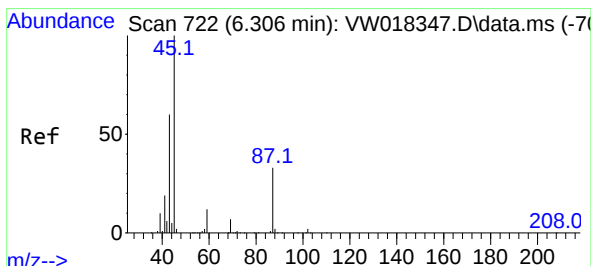
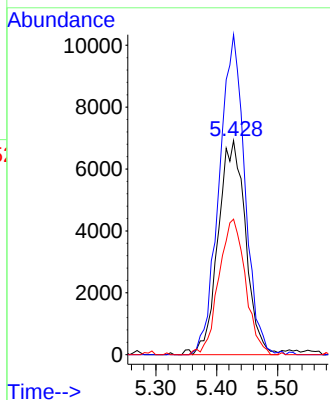
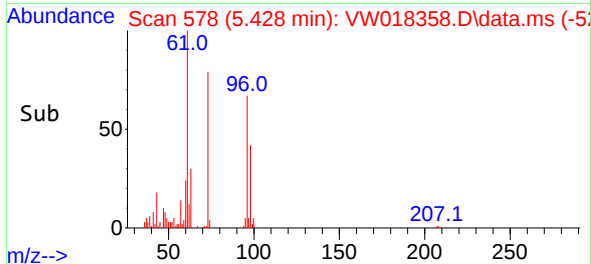




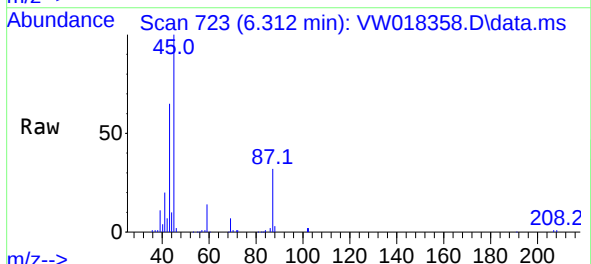
#21
trans-1,2-Dichloroethene
Concen: 5.20 ug/l
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



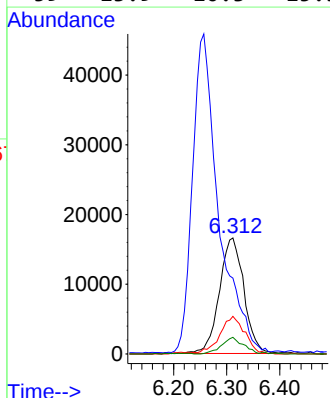
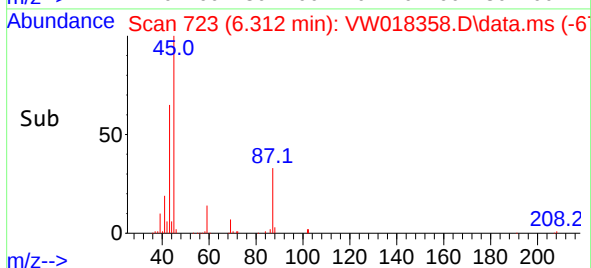
Tgt Ion: 96 Resp: 21635
Ion Ratio Lower Upper
96 100
61 149.5 99.2 148.8#
98 63.3 48.2 72.4



#22
Diisopropyl ether
Concen: 5.36 ug/l
RT: 6.312 min Scan# 723
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



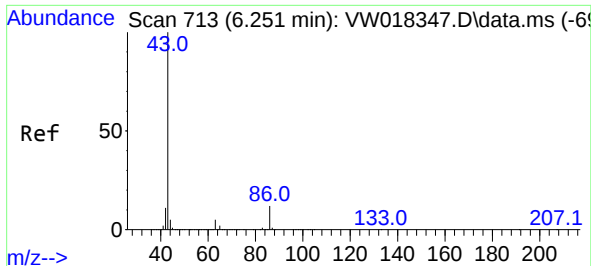
Tgt Ion: 45 Resp: 53001
Ion Ratio Lower Upper
45 100
43 63.0 47.8 71.8
87 32.6 27.8 41.8
59 13.9 10.3 15.5



Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

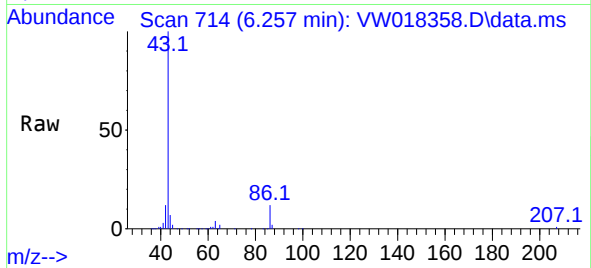
Manual Integrations
APPROVED

MMDadoda
3/18/2021 4:12:55 PM



#23
 Vinyl Acetate
 Concen: 25.69 ug/l
 RT: 6.257 min Scan# 714
 Delta R.T. 0.006 min
 Lab File: VW018358.D
 Acq: 17 Mar 2021 21:18

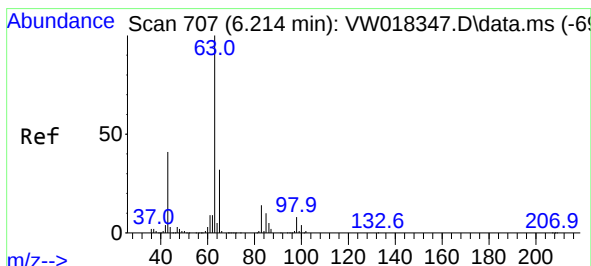
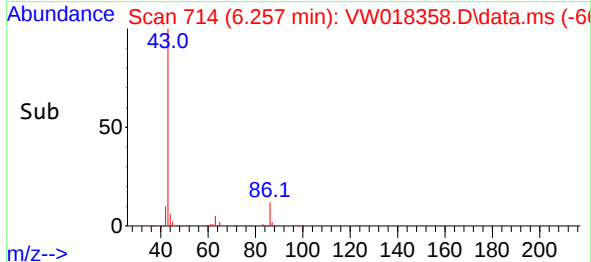
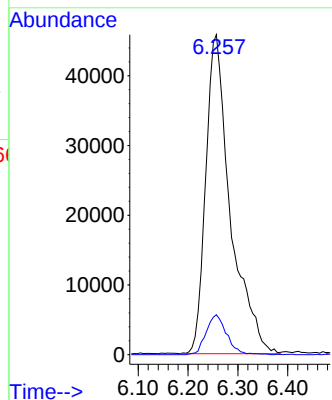
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021



Tgt Ion: 43 Resp: 157262
 Ion Ratio Lower Upper
 43 100
 86 12.5 11.0 16.6

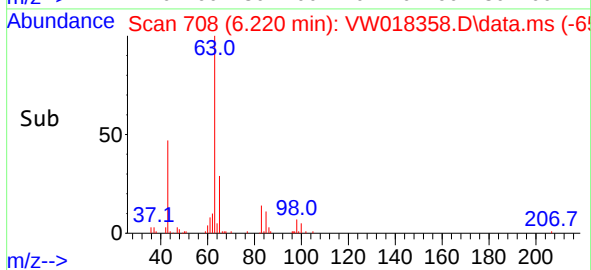
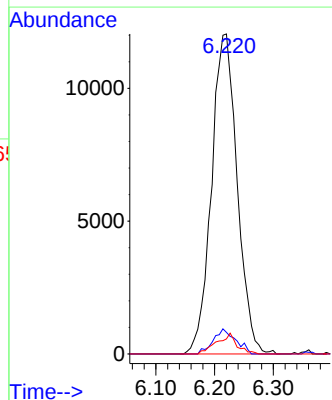
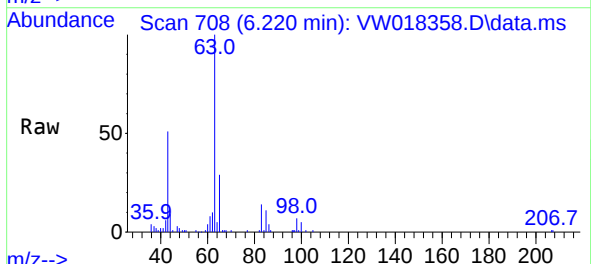
Manual Integrations
 APPROVED

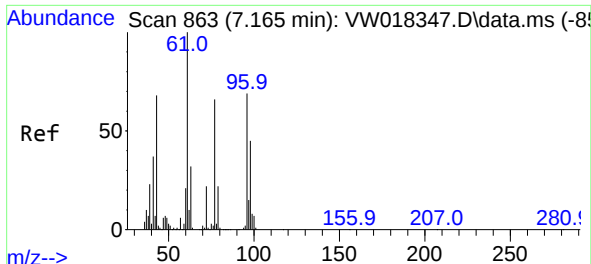
MMDadoda
 3/18/2021 4:12:55 PM



#24
 1,1-Dichloroethane
 Concen: 5.16 ug/l
 RT: 6.220 min Scan# 708
 Delta R.T. 0.006 min
 Lab File: VW018358.D
 Acq: 17 Mar 2021 21:18

Tgt Ion: 63 Resp: 36623
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.6
 100 4.7 2.2 6.6





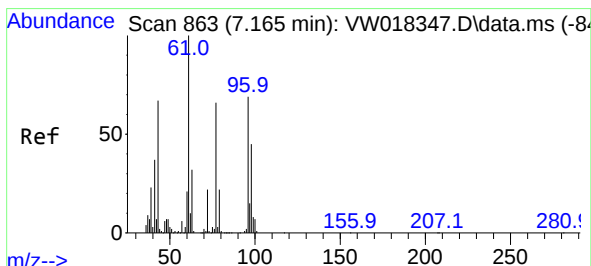
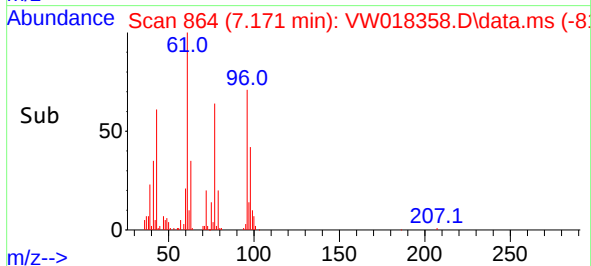
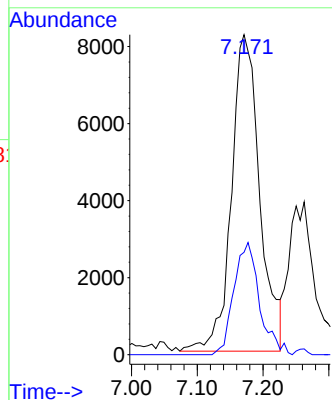
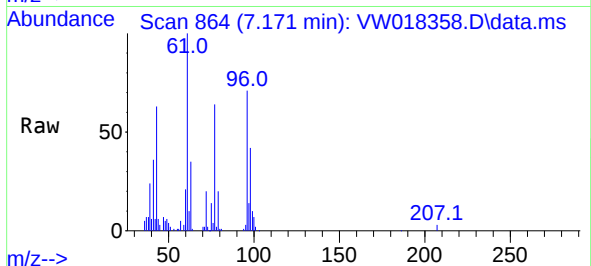
#25
2-Butanone
Concen: 28.33 ug/l
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 43 Resp: 24636
Ion Ratio Lower Upper
43 100
72 32.4 26.6 39.8

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

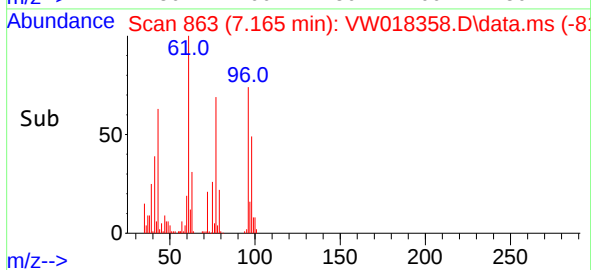
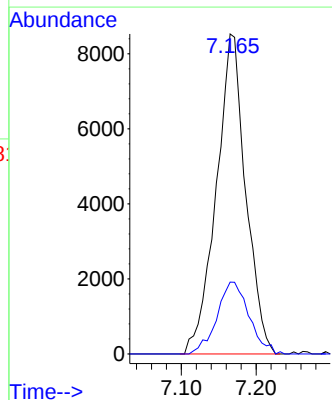
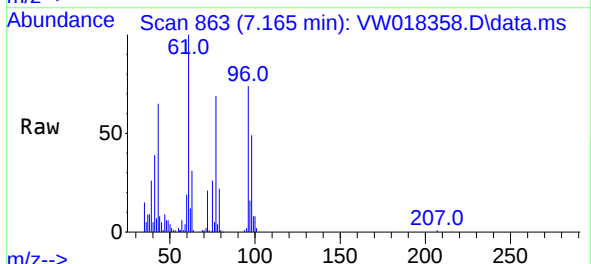
Manual Integrations
APPROVED

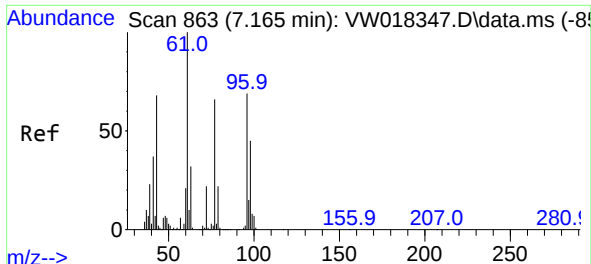
MMDadoda
3/18/2021 4:12:55 PM



#26
2,2-Dichloropropane
Concen: 5.12 ug/l
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

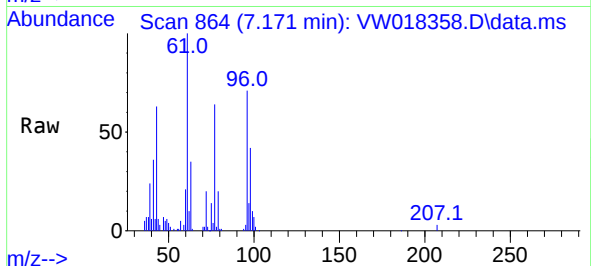
Tgt Ion: 77 Resp: 23358
Ion Ratio Lower Upper
77 100
97 24.5 11.3 33.8





#27
cis-1,2-Dichloroethene
Concen: 5.38 ug/l
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

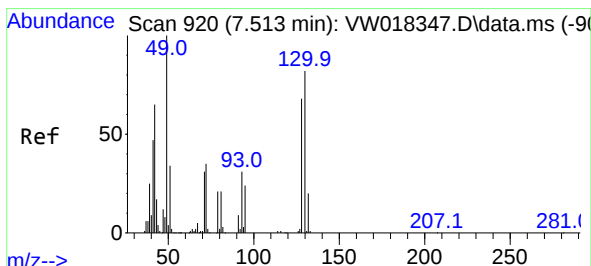
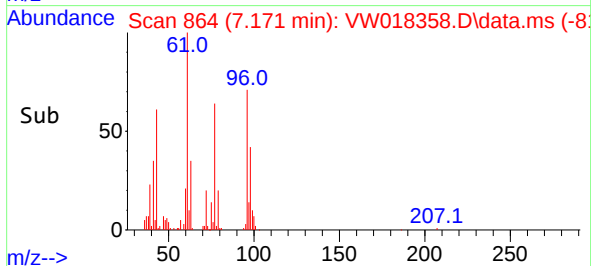
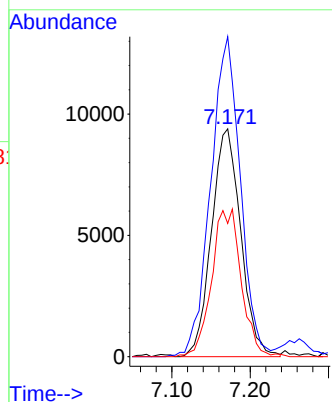
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



Tgt Ion: 96 Resp: 24366
Ion Ratio Lower Upper
96 100
61 142.3 0.0 261.4
98 65.4 0.0 129.8

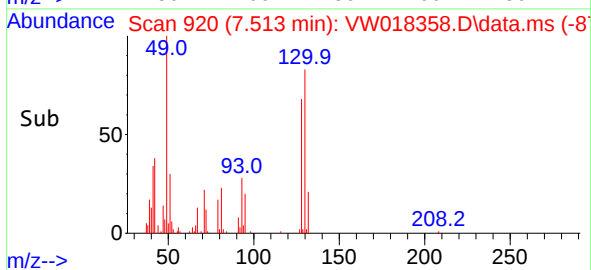
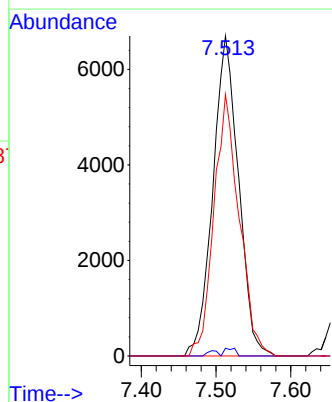
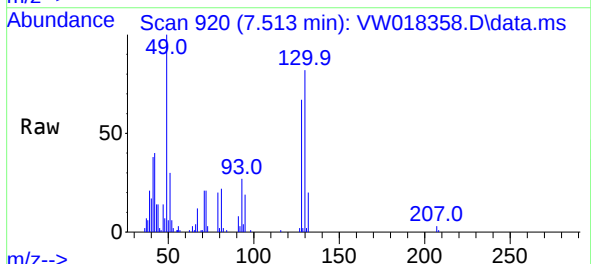
Manual Integrations
APPROVED

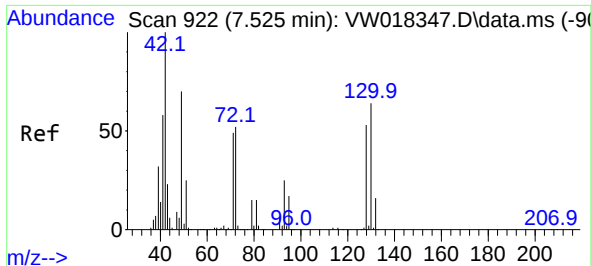
MMDadoda
3/18/2021 4:12:55 PM



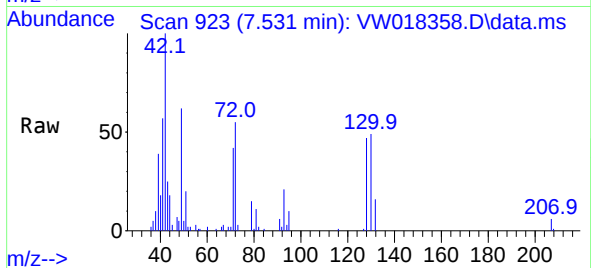
#28
Bromochloromethane
Concen: 5.77 ug/l
RT: 7.513 min Scan# 920
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 49 Resp: 15980
Ion Ratio Lower Upper
49 100
129 1.0 0.0 5.0
130 80.5 73.9 110.9



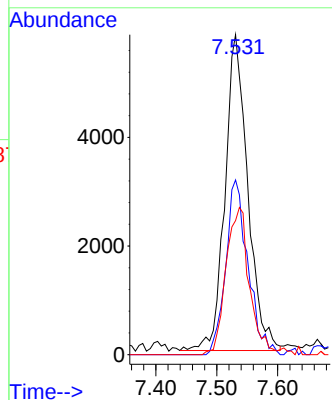


#29
Tetrahydrofuran
Concen: 26.78 ug/l
RT: 7.531 min Scan# 923
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 42 Resp: 15114

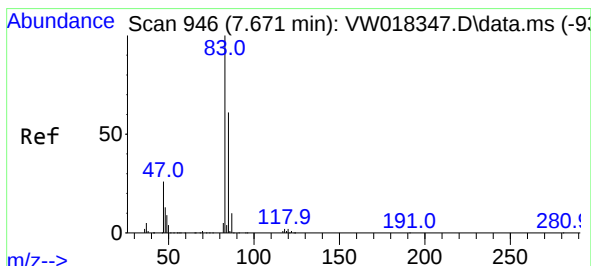
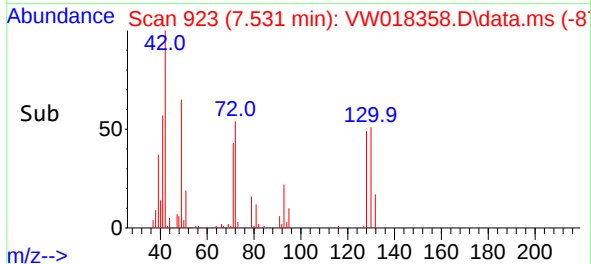
Ion	Ratio	Lower	Upper
42	100		
72	53.8	44.5	66.7
71	47.7	41.7	62.5



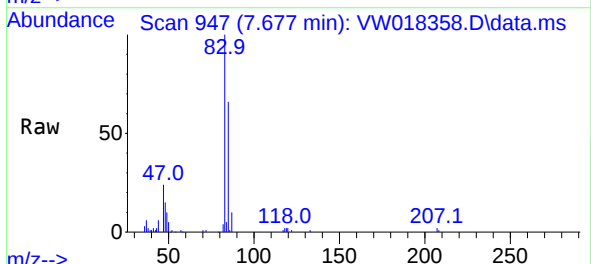
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations
APPROVED

MMDadoda
3/18/2021 4:12:55 PM

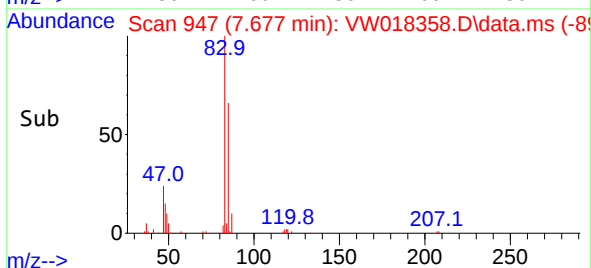
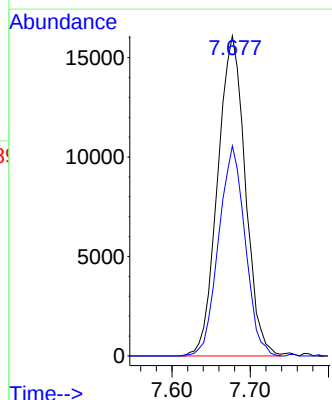


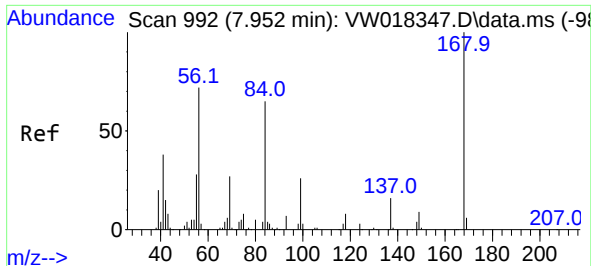
#30
Chloroform
Concen: 5.28 ug/l
RT: 7.677 min Scan# 947
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 83 Resp: 39509

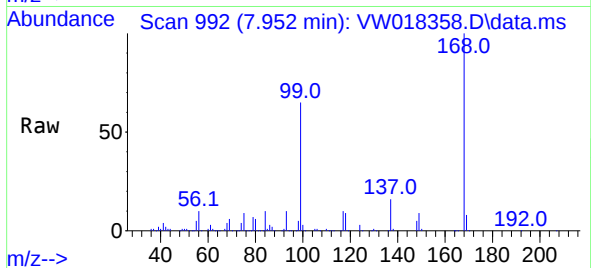
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





#31
Cyclohexane
Concen: 5.82 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

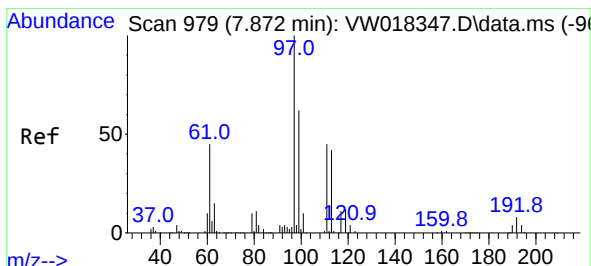
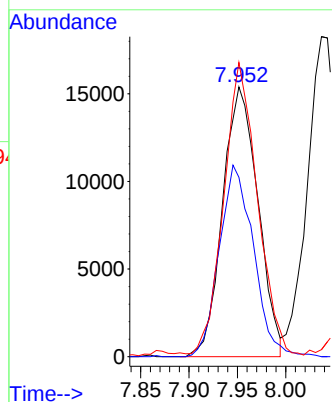
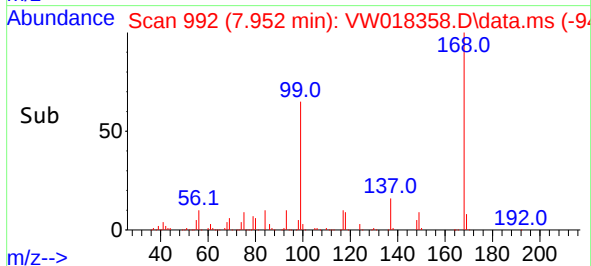
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



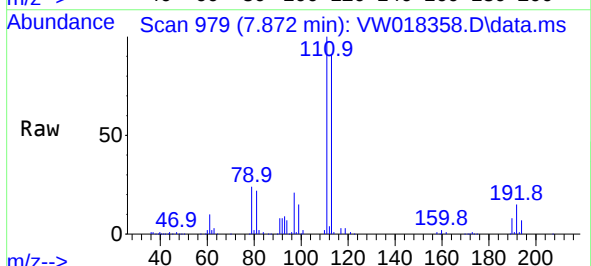
Tgt Ion: 56 Resp: 39129
Ion Ratio Lower Upper
56 100
69 66.5 29.9 44.9#
84 107.7 83.8 125.6

Manual Integrations
APPROVED

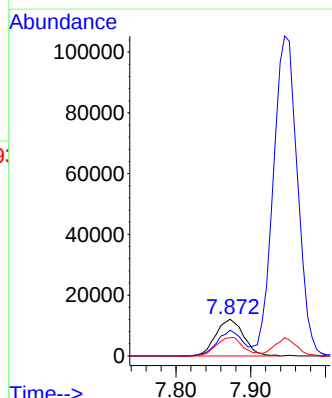
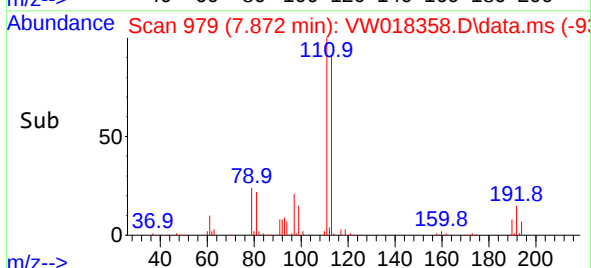
MMDadoda
3/18/2021 4:12:55 PM

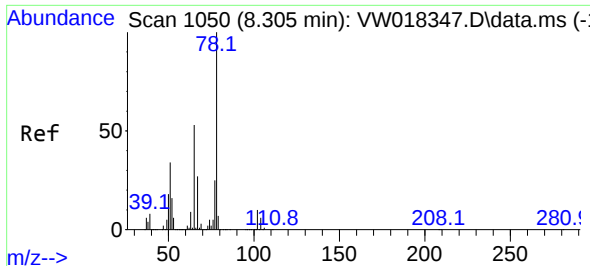


#32
1,1,1-Trichloroethane
Concen: 5.14 ug/l
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 97 Resp: 31244
Ion Ratio Lower Upper
97 100
99 61.9 51.8 77.6
61 49.5 34.6 52.0





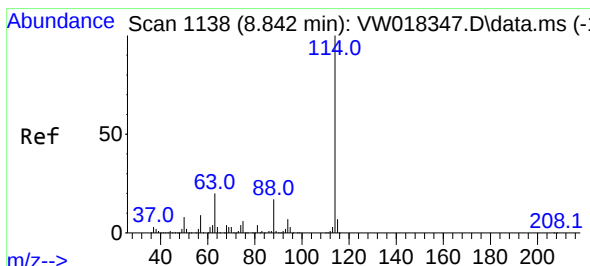
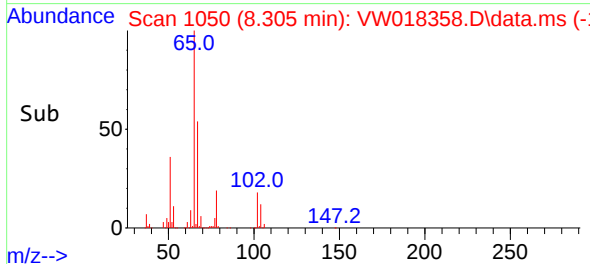
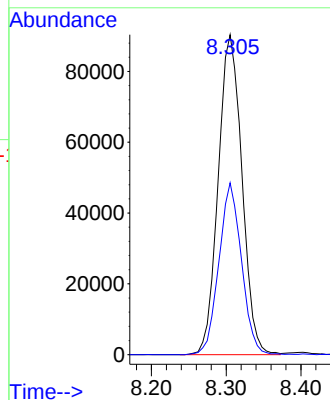
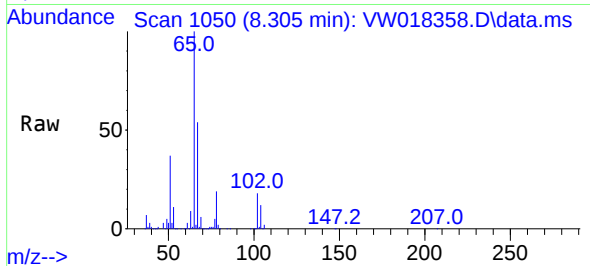
#33
1,2-Dichloroethane-d4
Concen: 50.87 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 65 Resp: 199735
Ion Ratio Lower Upper
65 100
67 51.1 0.0 96.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

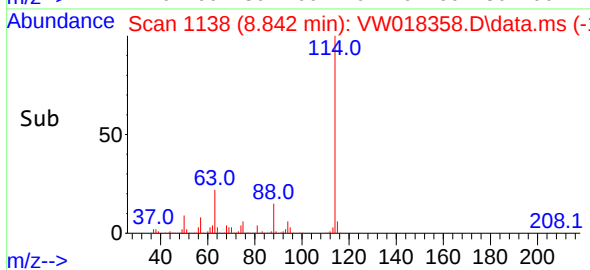
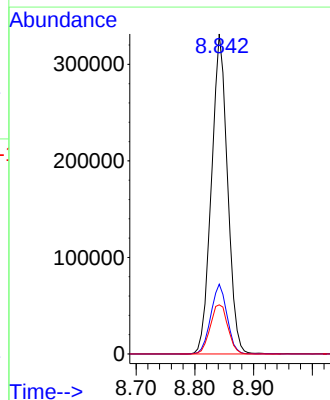
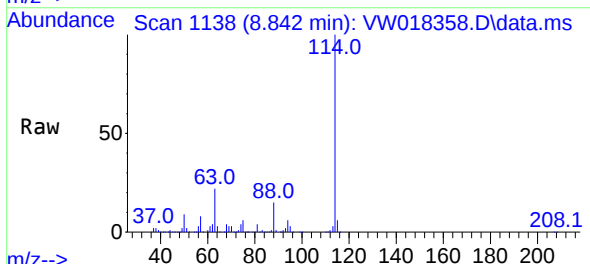
Manual Integrations
APPROVED

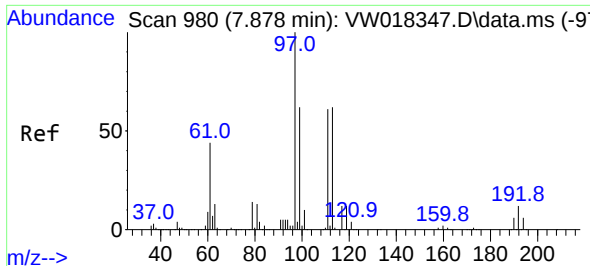
MMDadoda
3/18/2021 4:12:55 PM



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

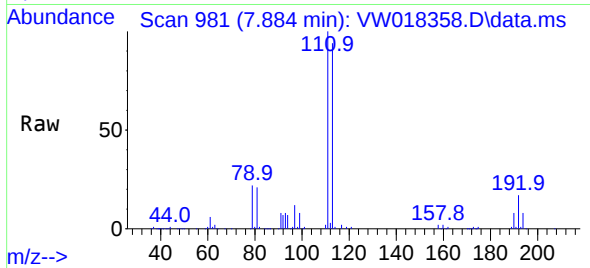
Tgt Ion: 114 Resp: 628425
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.4
88 15.3 0.0 32.0





#35
Dibromofluoromethane
Concen: 48.05 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

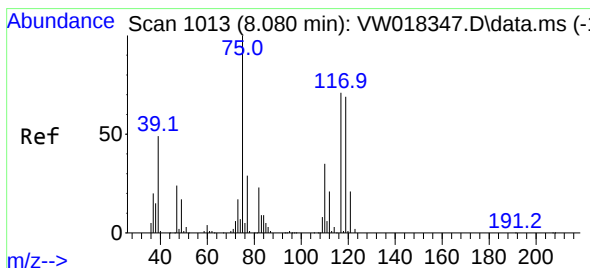
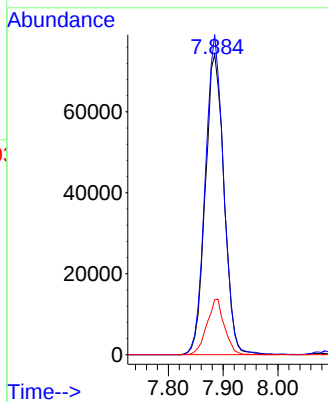
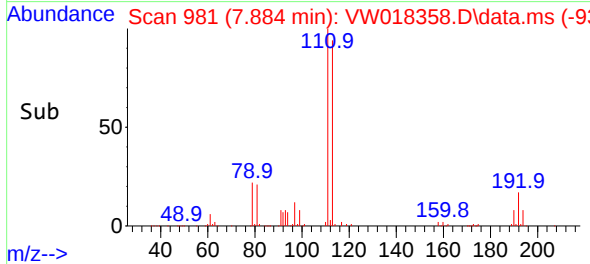
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



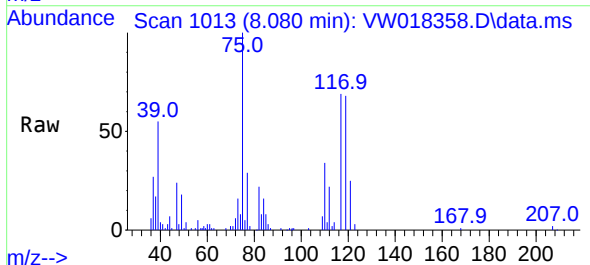
Tgt Ion:113 Resp: 175991
Ion Ratio Lower Upper
113 100
111 104.2 83.6 125.4
192 17.2 13.8 20.8

Manual Integrations
APPROVED

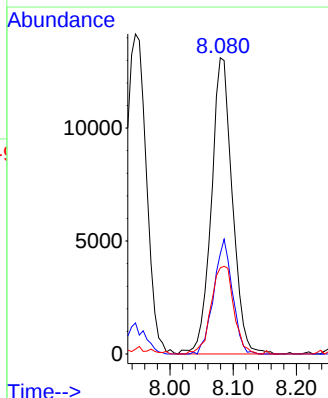
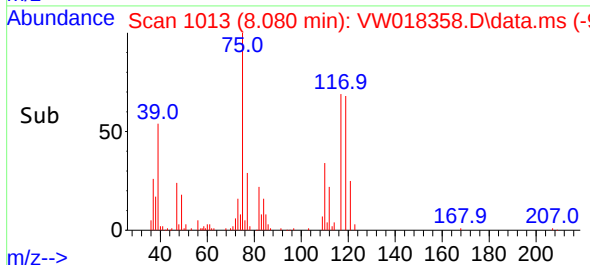
MMDadoda
3/18/2021 4:12:55 PM

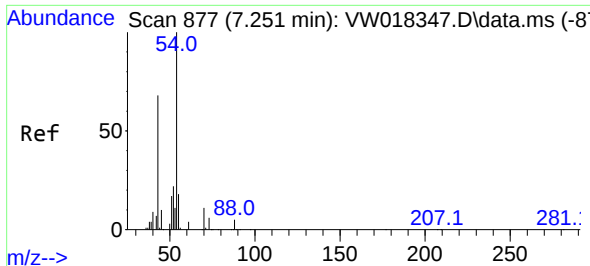


#36
1,1-Dichloropropene
Concen: 4.88 ug/l
RT: 8.080 min Scan# 1013
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 75 Resp: 30304
Ion Ratio Lower Upper
75 100
110 34.4 17.2 51.6
77 31.7 24.6 37.0





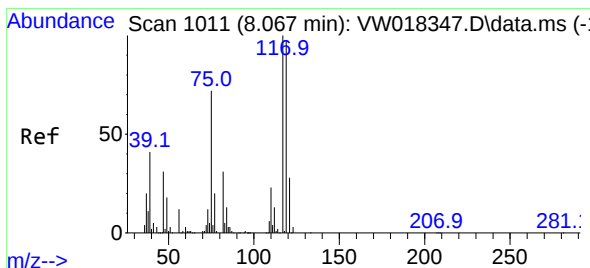
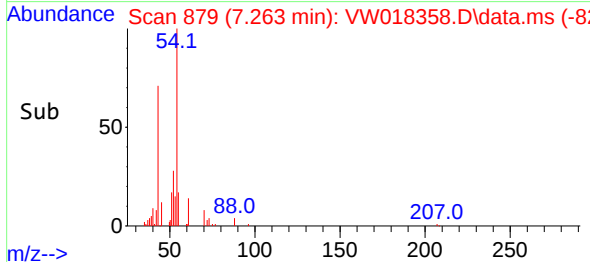
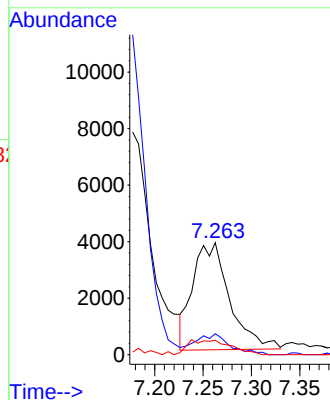
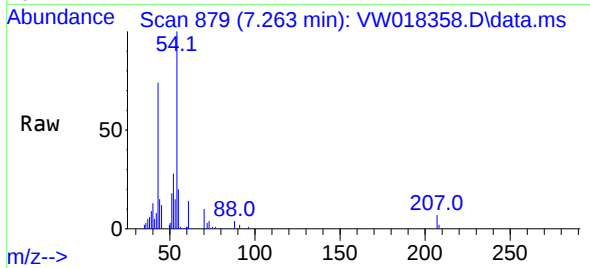
#37
Ethyl Acetate
Concen: 4.63 ug/l
RT: 7.263 min Scan# 879
Delta R.T. 0.012 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 43 Resp: 10052
Ion Ratio Lower Upper
43 100
61 18.4 12.6 19.0
70 0.0 9.8 14.6#

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

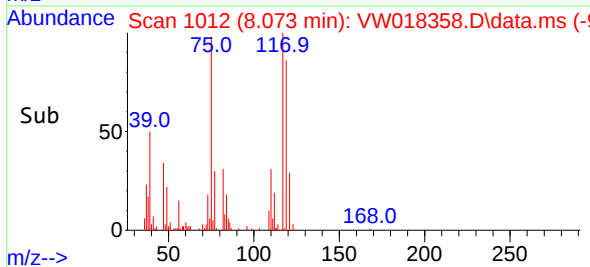
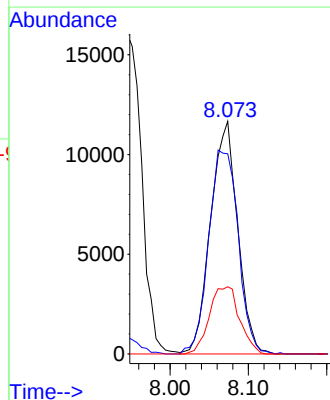
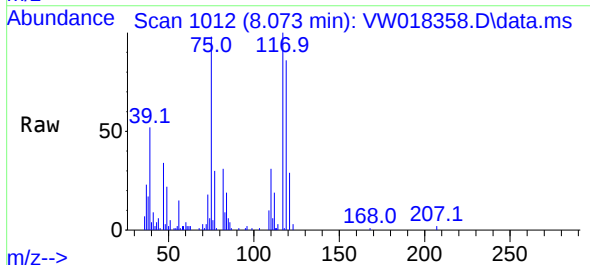
Manual Integrations
APPROVED

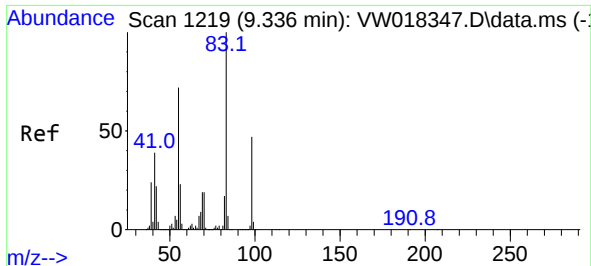
MMDadoda
3/18/2021 4:12:55 PM



#38
Carbon Tetrachloride
Concen: 4.82 ug/l
RT: 8.073 min Scan# 1012
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 117 Resp: 27999
Ion Ratio Lower Upper
117 100
119 86.1 74.5 111.7
121 28.9 20.3 30.5





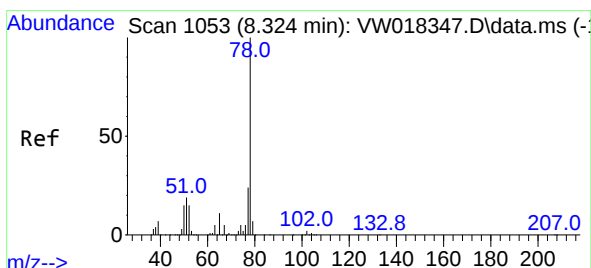
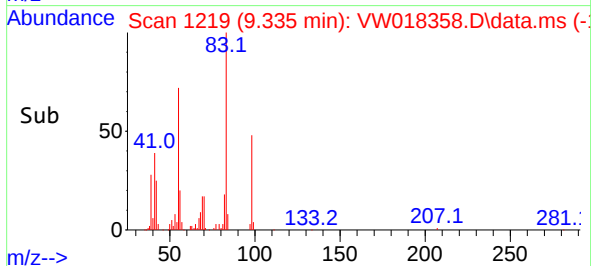
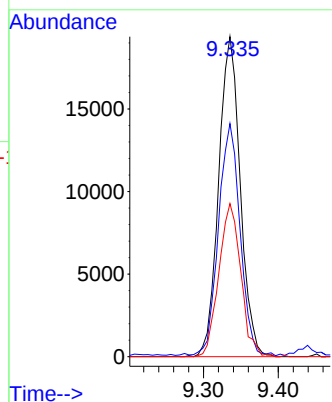
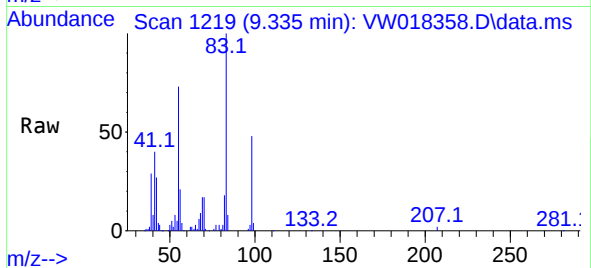
#39
Methylcyclohexane
Concen: 4.95 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. -0.001 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	83	Resp:	38912
Ion	Ratio	Lower	Upper
83	100		
55	72.3	55.0	82.6
98	47.9	38.6	57.8

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

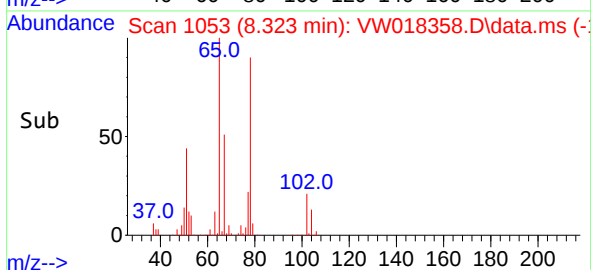
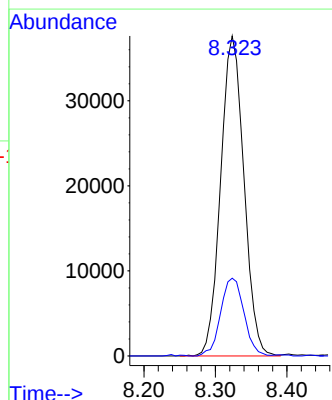
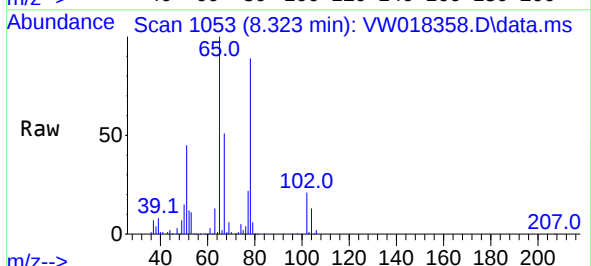
Manual Integrations
APPROVED

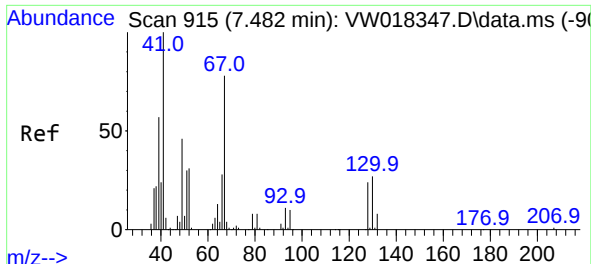
MMDadoda
3/18/2021 4:12:55 PM



#40
Benzene
Concen: 5.11 ug/l
RT: 8.323 min Scan# 1053
Delta R.T. -0.001 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

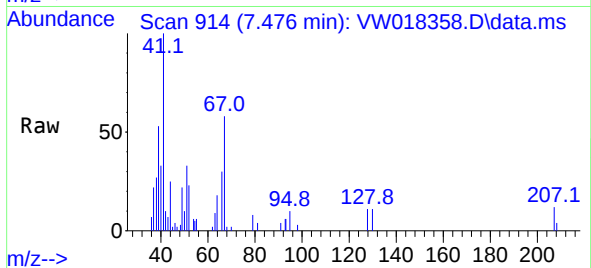
Tgt Ion:	78	Resp:	85016
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3





#41
Methacrylonitrile
Concen: 5.32 ug/l
RT: 7.476 min Scan# 914
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

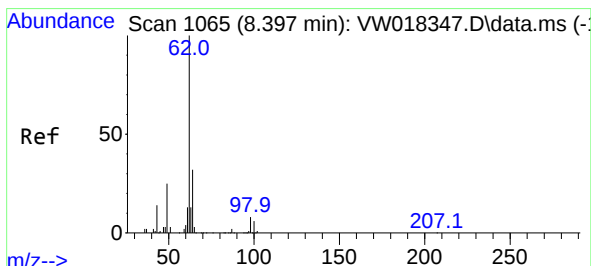
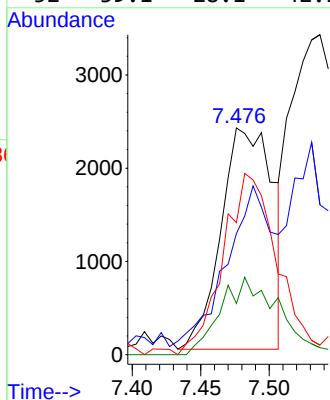
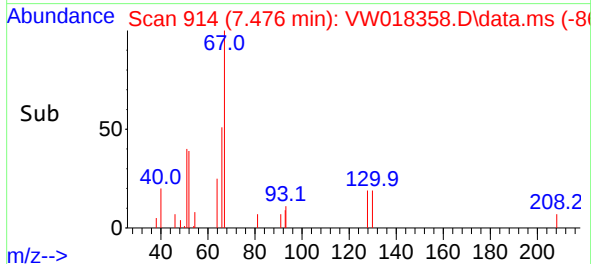
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



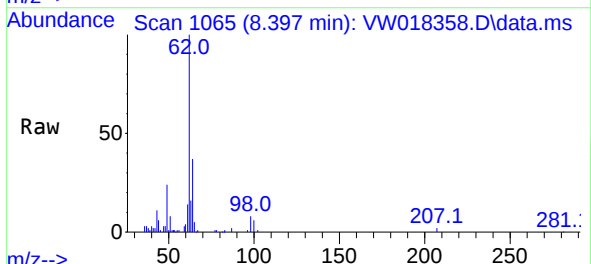
Tgt Ion:	41	Resp:	6248
Ion	Ratio	Lower	Upper
41	100		
39	67.2	44.6	67.0#
67	84.8	66.1	99.1
52	39.1	28.1	42.1

Manual Integrations
APPROVED

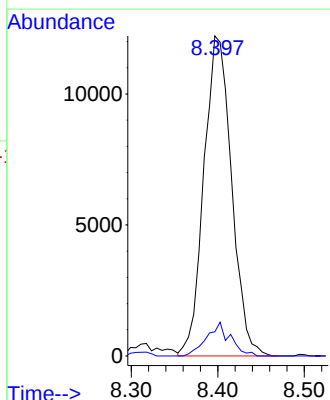
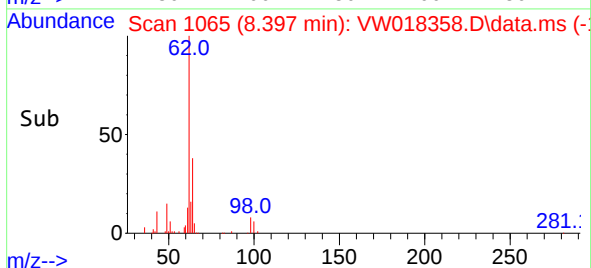
MMDadoda
3/18/2021 4:12:55 PM

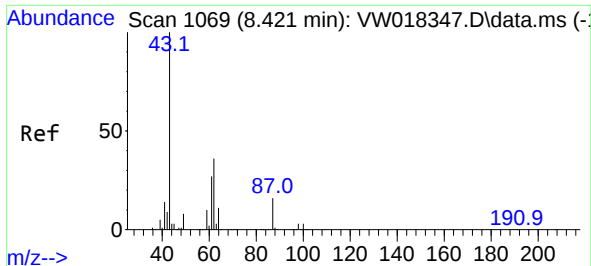


#42
1,2-Dichloroethane
Concen: 5.20 ug/l
RT: 8.397 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion:	62	Resp:	27167
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





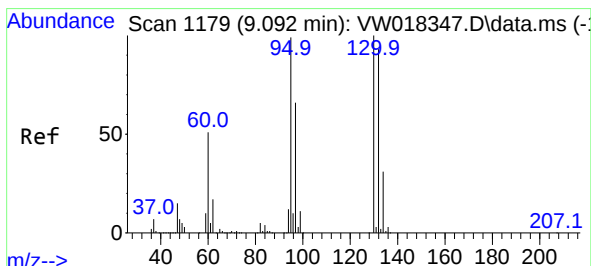
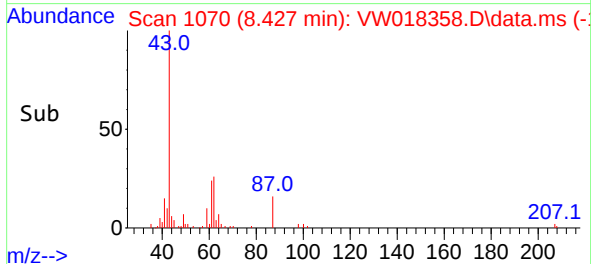
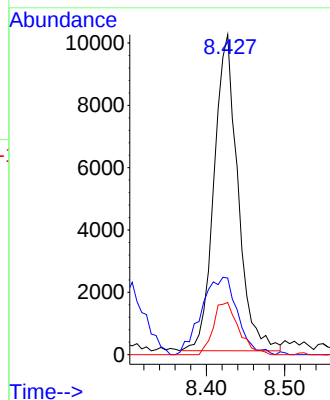
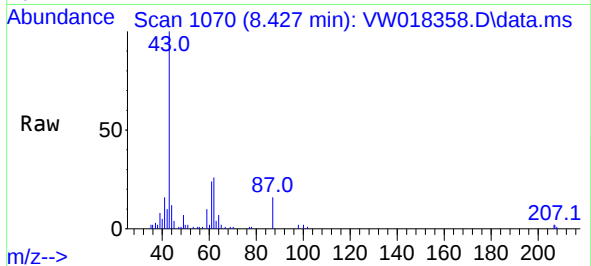
#43
Isopropyl Acetate
Concen: 4.94 ug/l
RT: 8.427 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	43	Resp:	21513
Ion	Ratio	Lower	Upper
43	100		
61	37.0	29.0	43.4
87	17.5	13.0	19.4

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

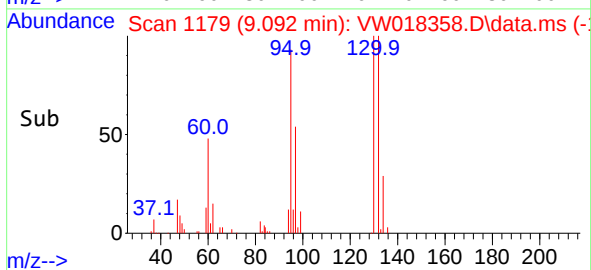
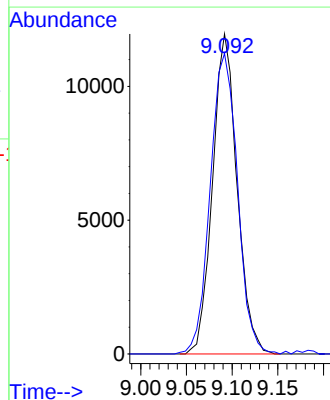
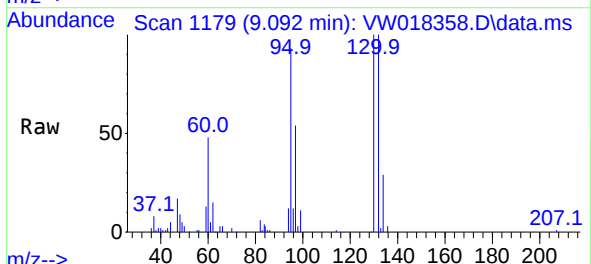
Manual Integrations
APPROVED

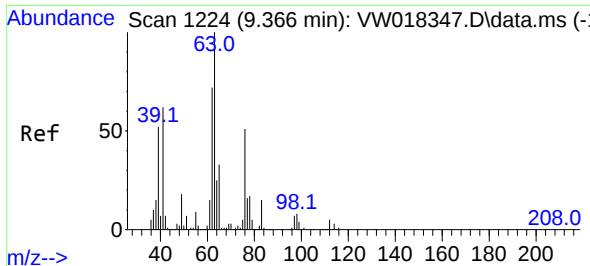
MMDadoda
3/18/2021 4:12:55 PM



#44
Trichloroethene
Concen: 4.98 ug/l
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	130	Resp:	22293
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	200.6





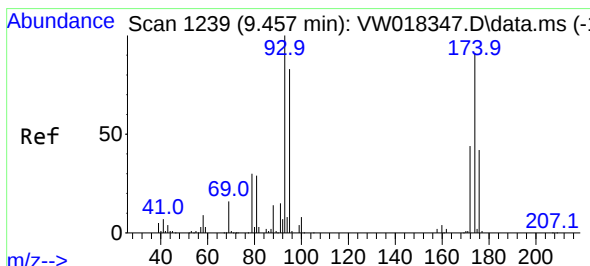
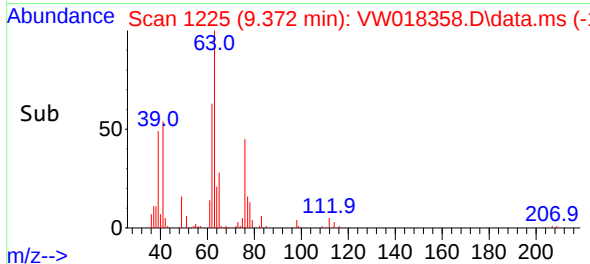
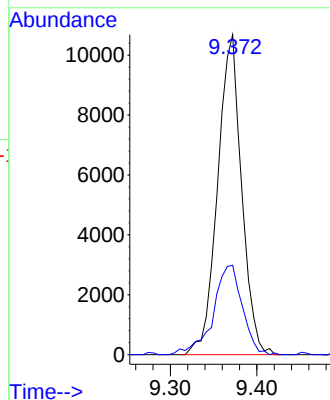
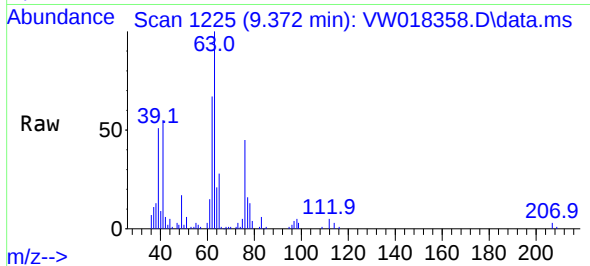
#45
1,2-Dichloropropane
Concen: 5.12 ug/l
RT: 9.372 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 63 Resp: 20550
Ion Ratio Lower Upper
63 100
65 27.9 25.4 38.2

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

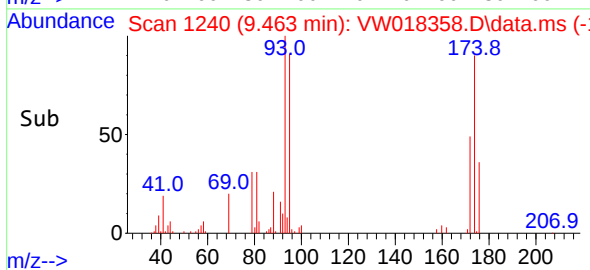
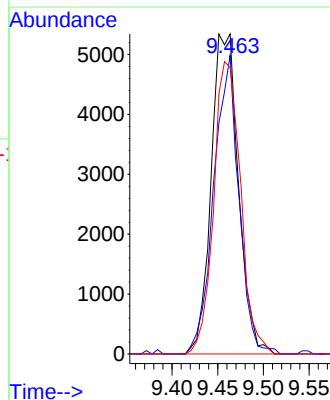
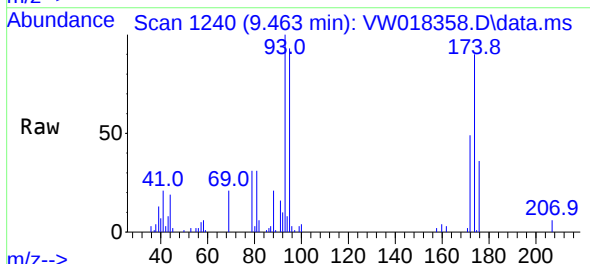
Manual Integrations
APPROVED

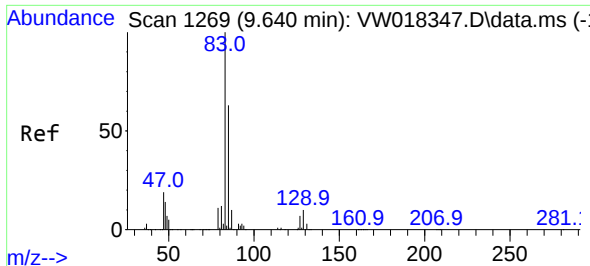
MMDadoda
3/18/2021 4:12:55 PM



#46
Dibromomethane
Concen: 4.95 ug/l
RT: 9.463 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 93 Resp: 11097
Ion Ratio Lower Upper
93 100
95 85.4 66.3 99.5
174 89.7 73.1 109.7





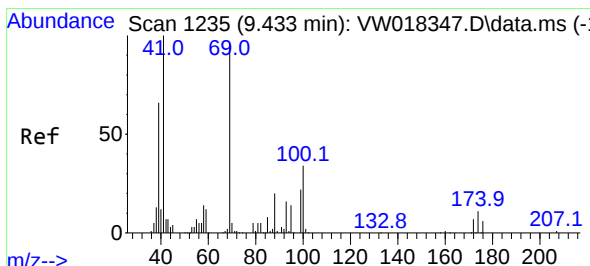
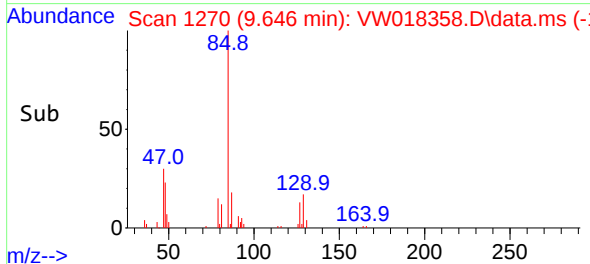
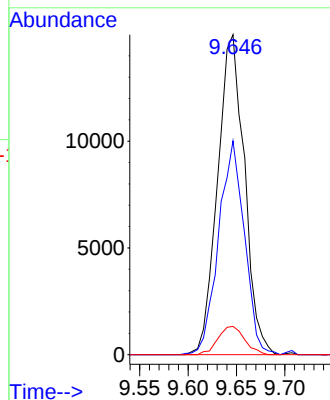
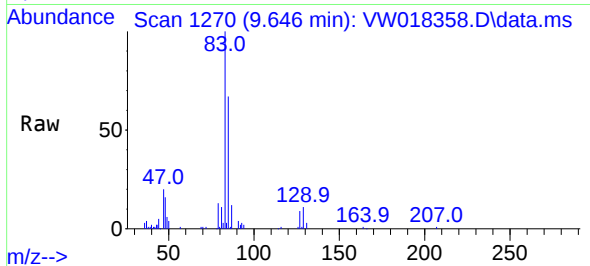
#47
Bromodichloromethane
Concen: 4.96 ug/l
RT: 9.646 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 83 Resp: 28940
Ion Ratio Lower Upper
83 100
85 66.8 53.1 79.7
127 8.8 6.3 9.5

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

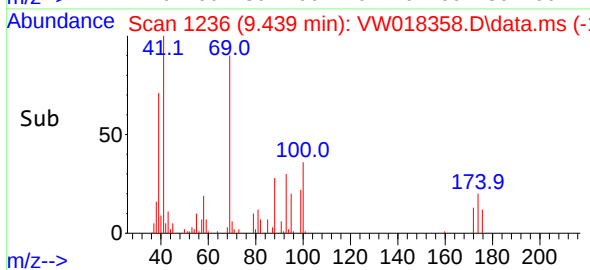
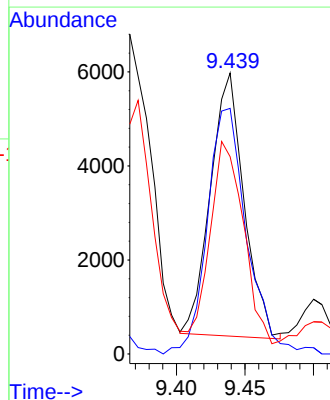
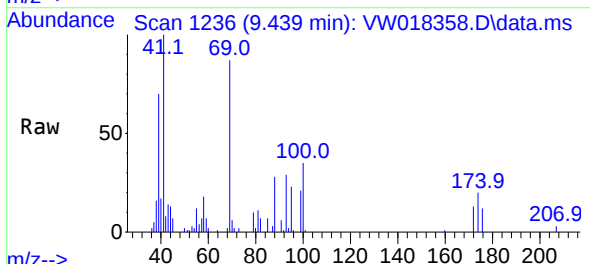
Manual Integrations
APPROVED

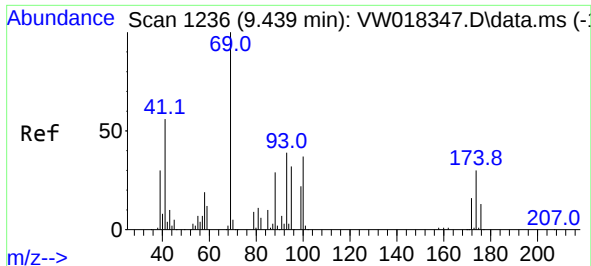
MMDadoda
3/18/2021 4:12:55 PM



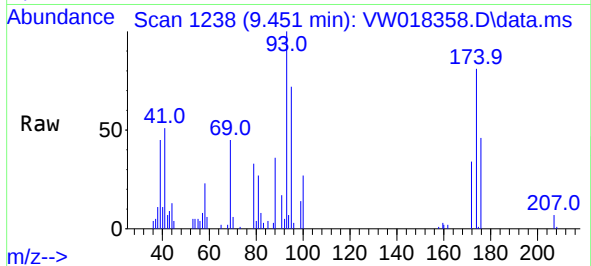
#48
Methyl methacrylate
Concen: 4.60 ug/l
RT: 9.439 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 41 Resp: 9514
Ion Ratio Lower Upper
41 100
69 110.4 82.1 123.1
39 73.8 50.4 75.6

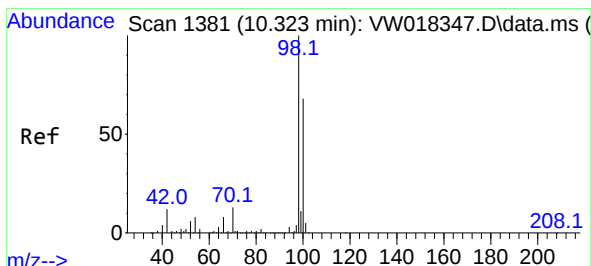
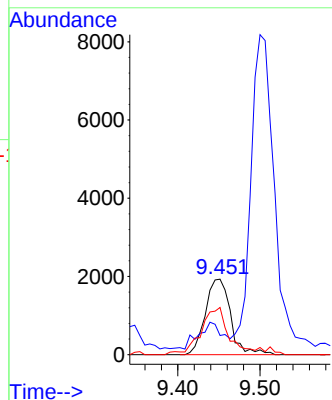
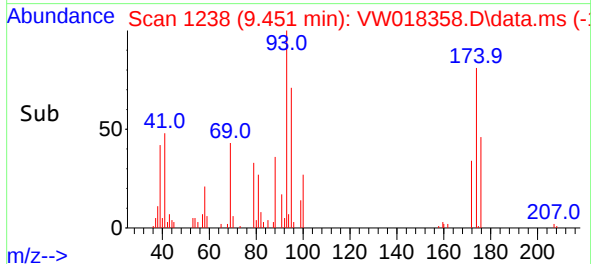




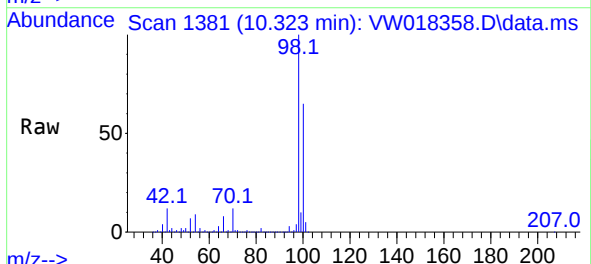
#49
1,4-Dioxane
Concen: 126.35 ug/l
RT: 9.451 min Scan# 1238
Delta R.T. 0.012 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



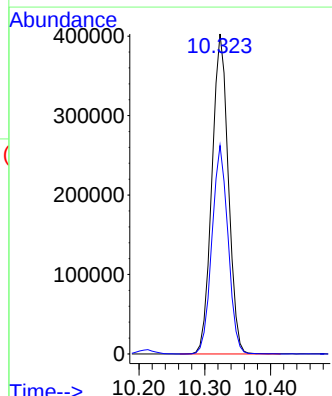
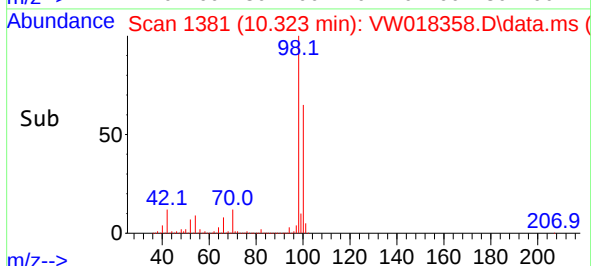
Tgt Ion: 88 Resp: 4112
Ion Ratio Lower Upper
88 100
43 31.3 25.5 38.3
58 68.5 51.3 76.9



#50
Toluene-d8
Concen: 47.96 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



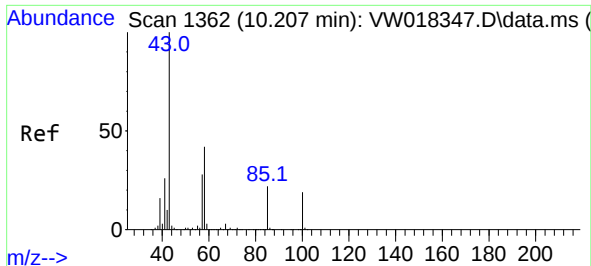
Tgt Ion: 98 Resp: 698406
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8



Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations
APPROVED

MMDadoda
3/18/2021 4:12:55 PM



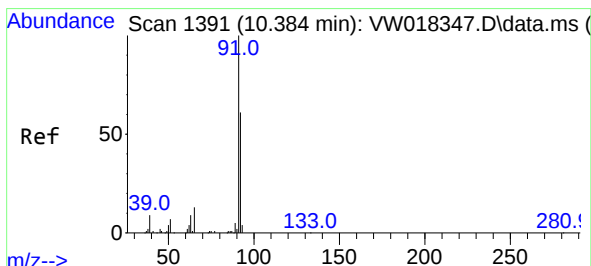
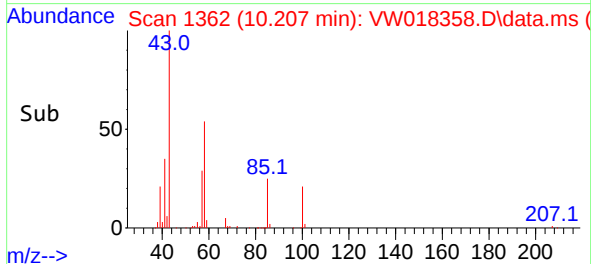
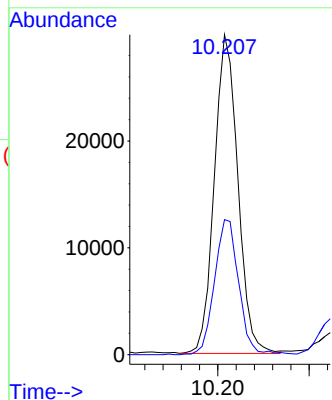
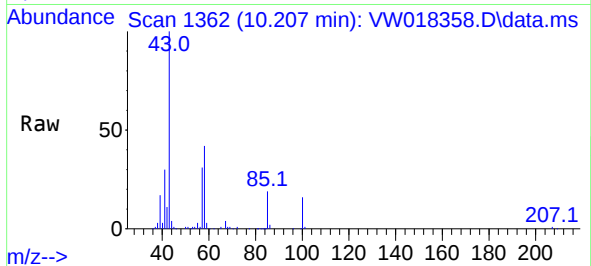
#51
4-Methyl-2-Pentanone
Concen: 25.08 ug/l
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 43 Resp: 53388
Ion Ratio Lower Upper
43 100
58 43.6 35.4 53.0

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

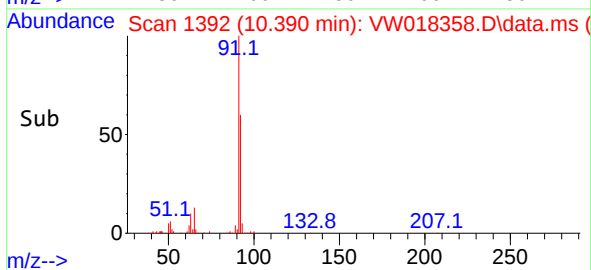
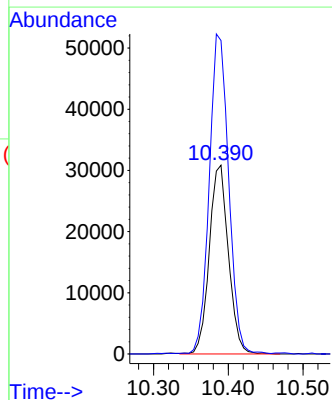
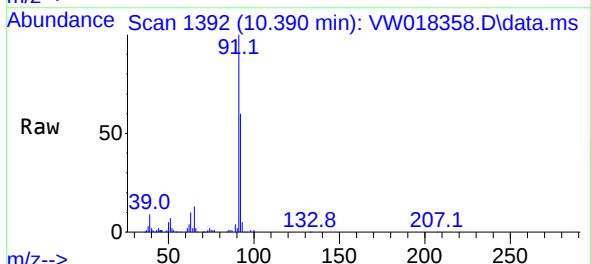
Manual Integrations
APPROVED

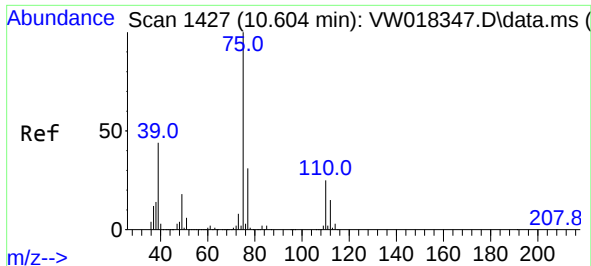
MMDadoda
3/18/2021 4:12:55 PM



#52
Toluene
Concen: 5.00 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 92 Resp: 54838
Ion Ratio Lower Upper
92 100
91 171.1 136.6 205.0





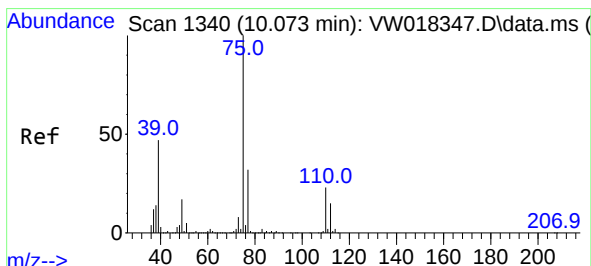
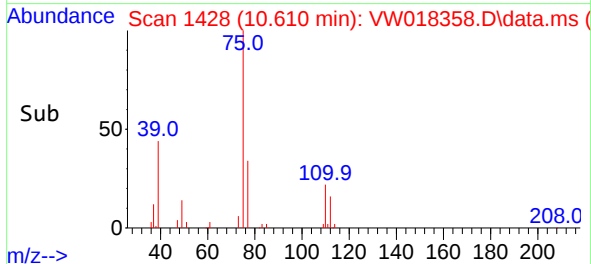
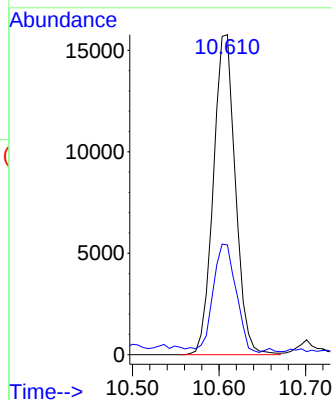
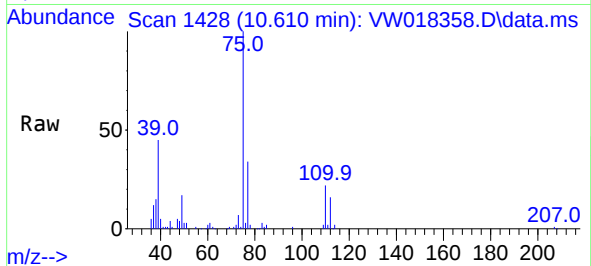
#53
t-1,3-Dichloropropene
Concen: 4.70 ug/l
RT: 10.610 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 75 Resp: 27945
Ion Ratio Lower Upper
75 100
77 33.4 25.8 38.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

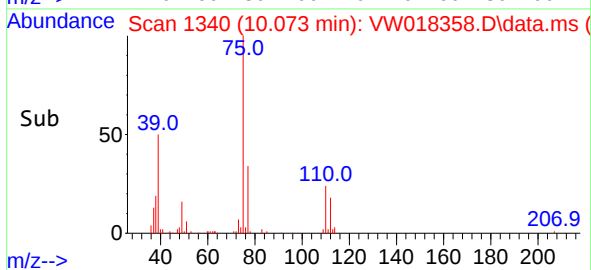
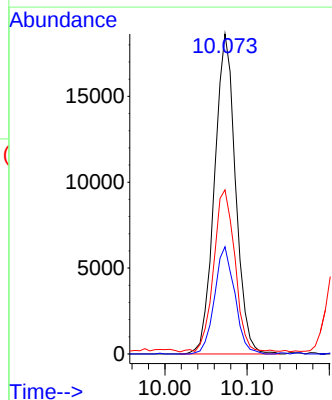
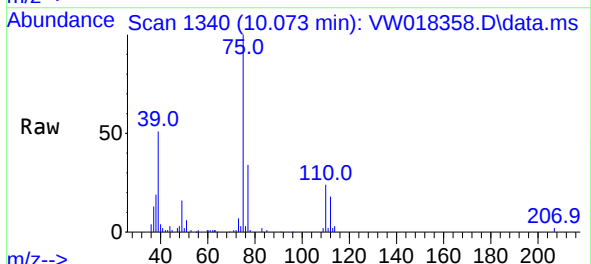
Manual Integrations
APPROVED

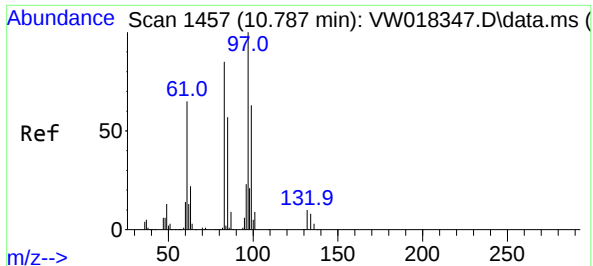
MMDadoda
3/18/2021 4:12:55 PM



#54
cis-1,3-Dichloropropene
Concen: 4.88 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 75 Resp: 33109
Ion Ratio Lower Upper
75 100
77 33.5 24.9 37.3
39 50.7 34.6 51.8





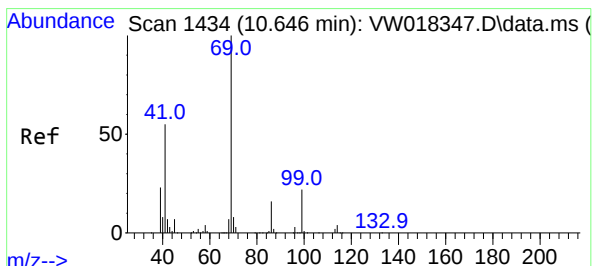
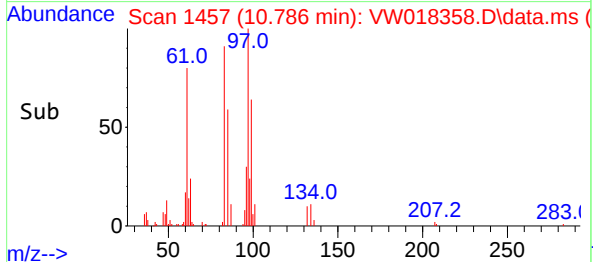
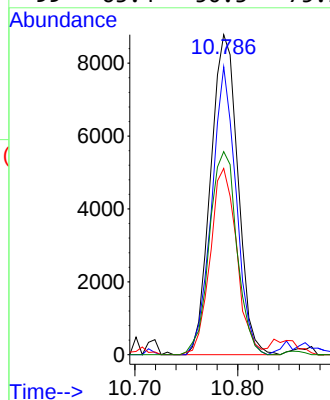
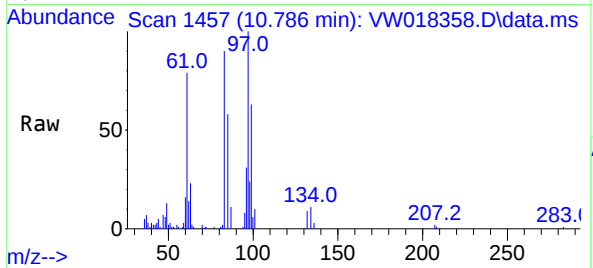
#55
1,1,2-Trichloroethane
Concen: 5.32 ug/l
RT: 10.786 min Scan# 1457
Delta R.T. -0.001 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	97	Resp:	16146
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.1	105.1
85	58.2	43.3	64.9
99	63.4	50.3	75.5

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

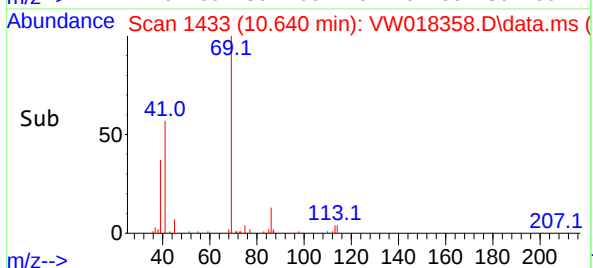
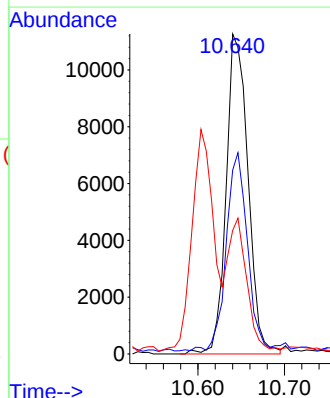
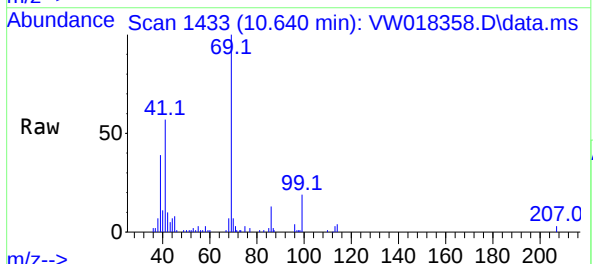
Manual Integrations
APPROVED

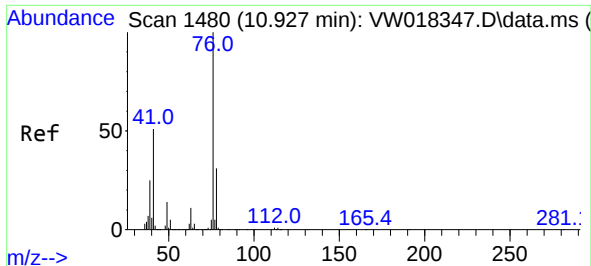
MMDadoda
3/18/2021 4:12:55 PM



#56
Ethyl methacrylate
Concen: 5.00 ug/l
RT: 10.640 min Scan# 1433
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	69	Resp:	19737
Ion	Ratio	Lower	Upper
69	100		
41	59.6	45.2	67.8
39	35.8	26.5	39.7





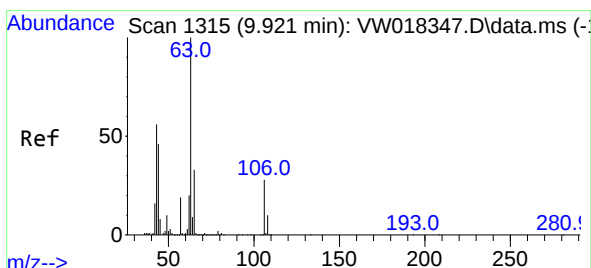
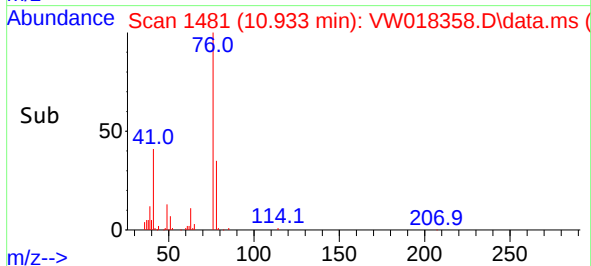
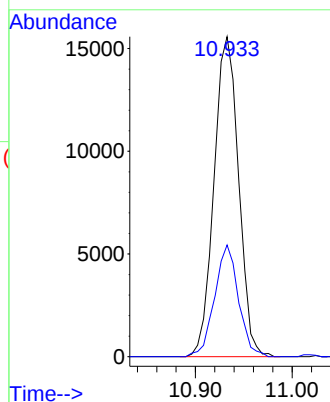
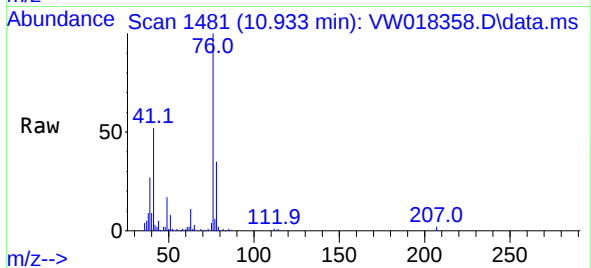
#57
1,3-Dichloropropane
Concen: 5.08 ug/l
RT: 10.933 min Scan# 1481
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 76 Resp: 27469
Ion Ratio Lower Upper
76 100
78 33.9 26.4 39.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

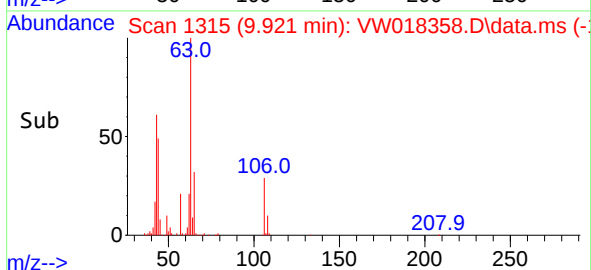
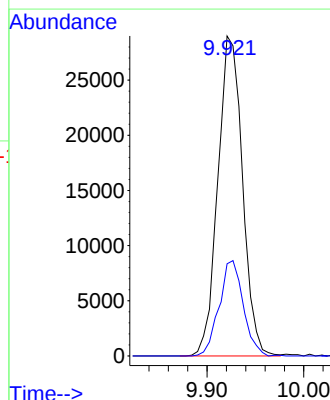
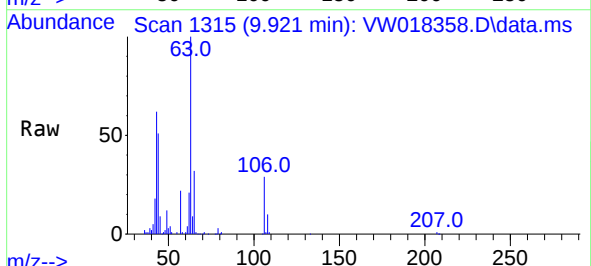
Manual Integrations
APPROVED

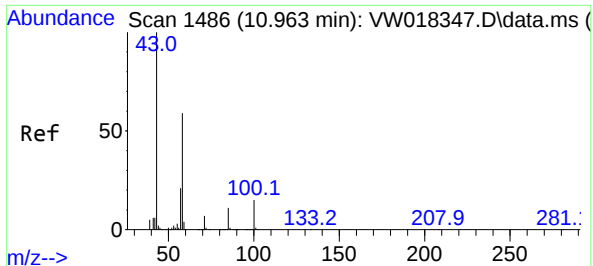
MMDadoda
3/18/2021 4:12:55 PM



#58
2-Chloroethyl Vinyl ether
Concen: 25.58 ug/l
RT: 9.921 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 63 Resp: 51240
Ion Ratio Lower Upper
63 100
106 29.2 25.8 38.6





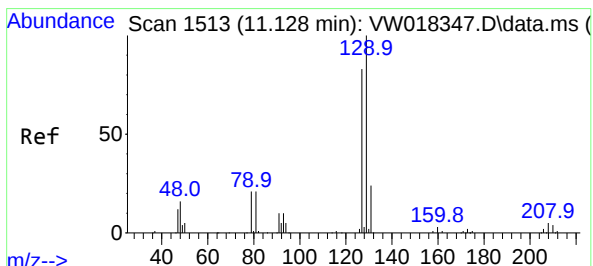
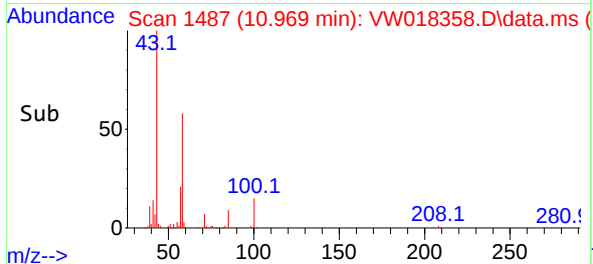
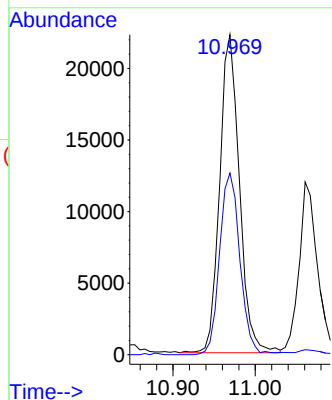
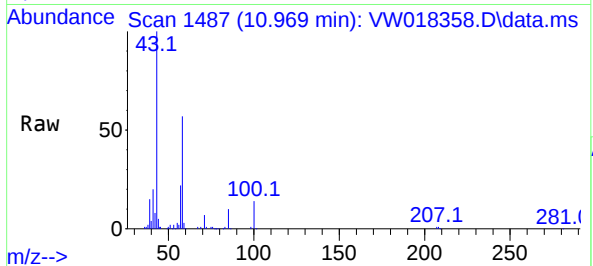
#59
2-Hexanone
Concen: 25.31 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 43 Resp: 37080
Ion Ratio Lower Upper
43 100
58 58.7 30.6 92.0

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

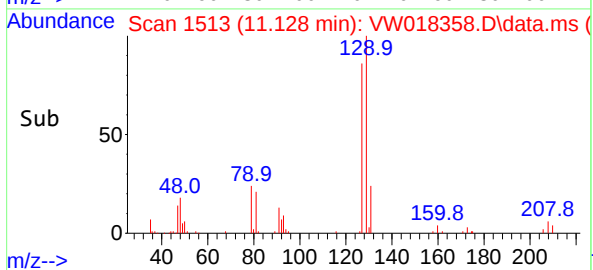
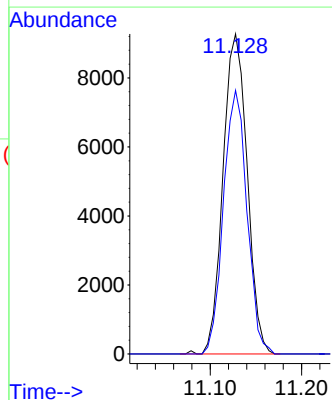
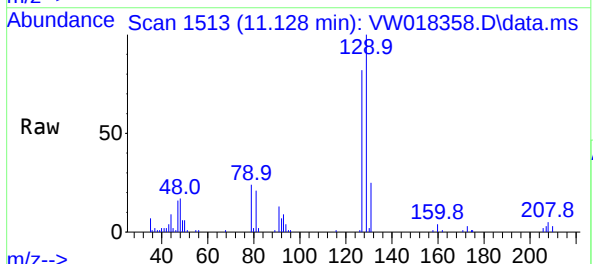
Manual Integrations
APPROVED

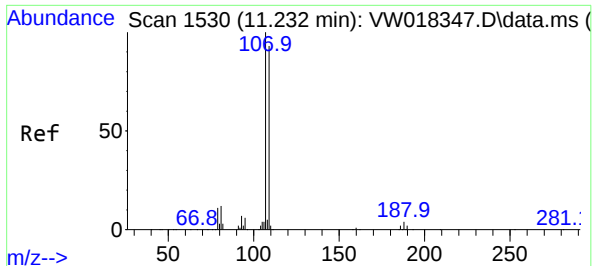
MMDadoda
3/18/2021 4:12:55 PM



#60
Dibromochloromethane
Concen: 4.56 ug/l
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

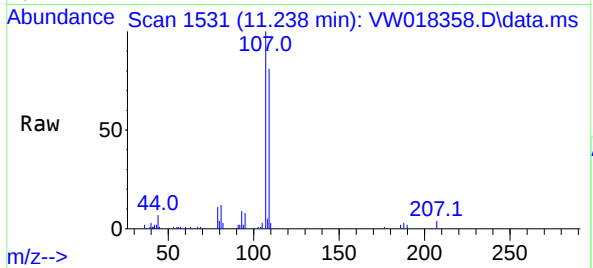
Tgt Ion: 129 Resp: 17046
Ion Ratio Lower Upper
129 100
127 80.2 37.9 113.7





#61
1,2-Dibromoethane
Concen: 4.89 ug/l
RT: 11.238 min Scan# 1531
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

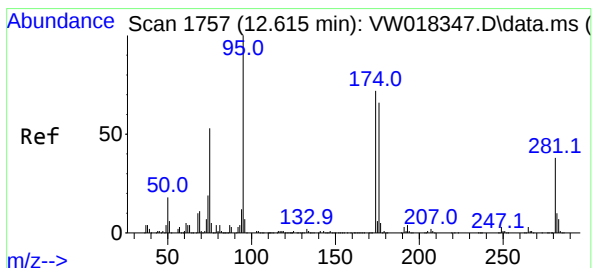
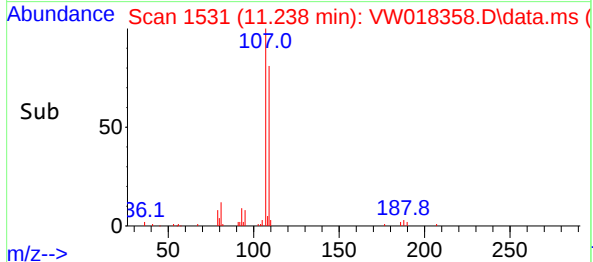
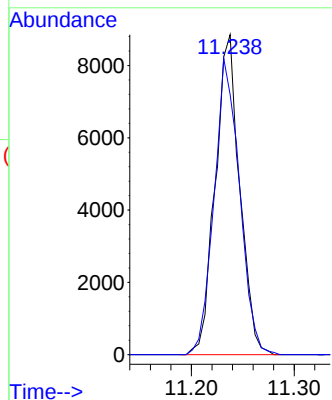
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



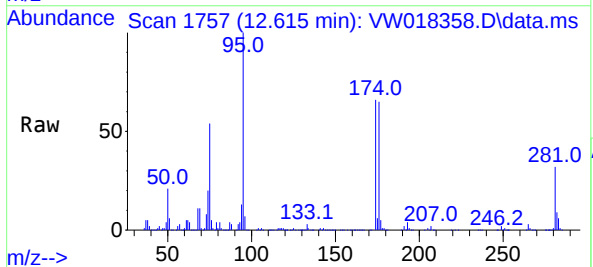
Tgt Ion:107 Resp: 14573
Ion Ratio Lower Upper
107 100
109 96.7 76.4 114.6

Manual Integrations
APPROVED

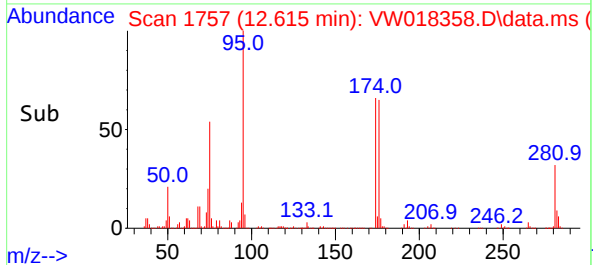
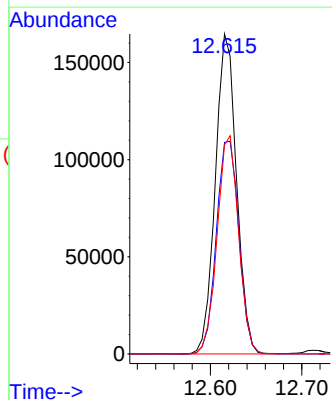
MMDadoda
3/18/2021 4:12:55 PM

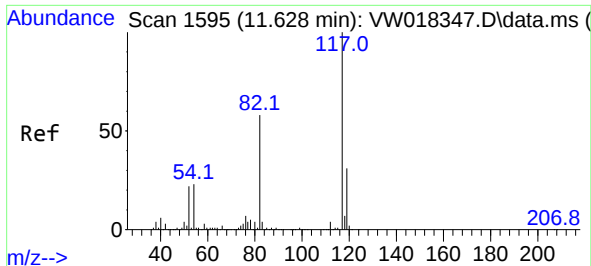


#62
4-Bromofluorobenzene
Concen: 48.03 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



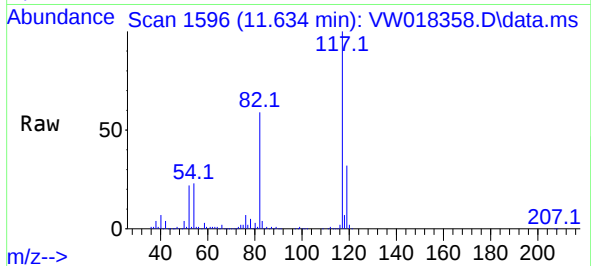
Tgt Ion: 95 Resp: 265541
Ion Ratio Lower Upper
95 100
174 70.9 0.0 132.8
176 69.0 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

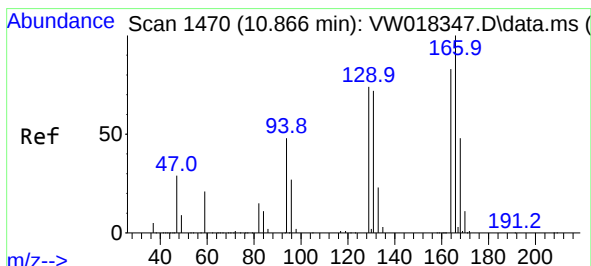
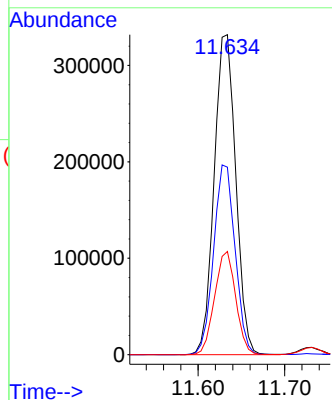
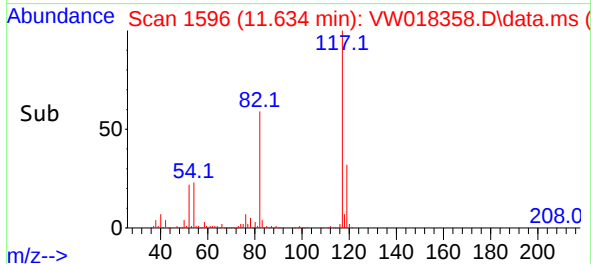
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



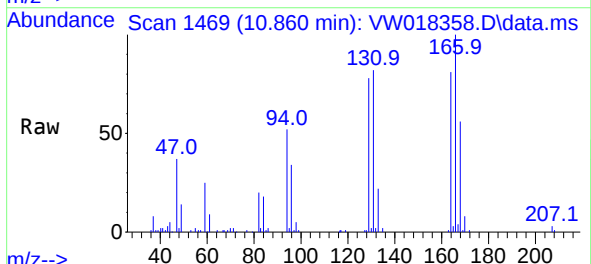
Tgt Ion:117 Resp: 575825
Ion Ratio Lower Upper
117 100
82 58.6 43.1 64.7
119 32.2 25.1 37.7

Manual Integrations
APPROVED

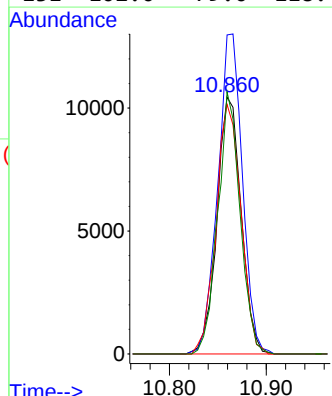
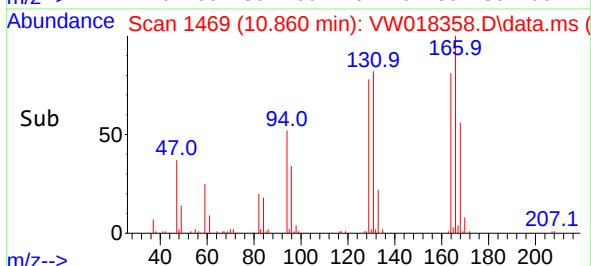
MMDadoda
3/18/2021 4:12:55 PM

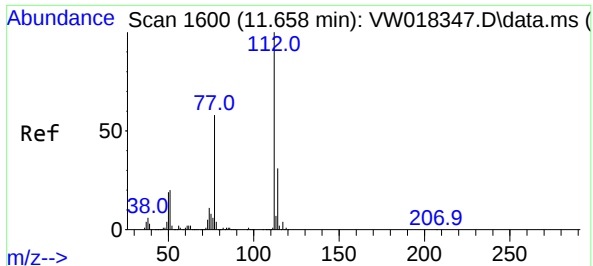


#64
Tetrachloroethene
Concen: 4.95 ug/l
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion:164 Resp: 18180
Ion Ratio Lower Upper
164 100
166 124.2 101.3 151.9
129 97.1 90.7 136.1
131 102.0 79.0 118.4





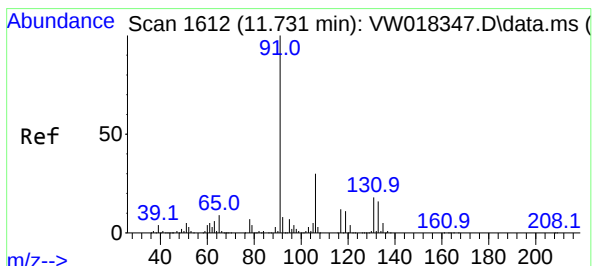
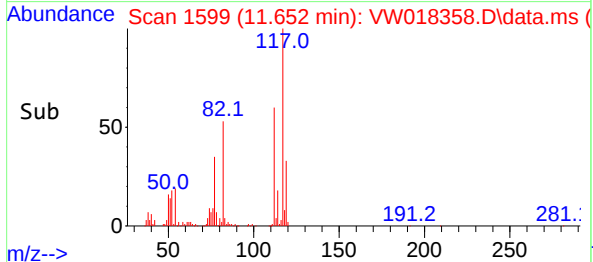
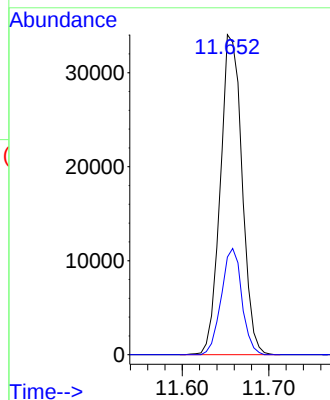
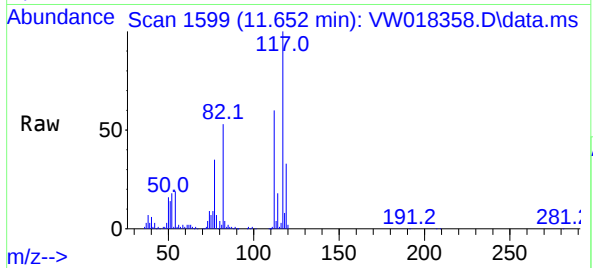
#65
Chlorobenzene
Concen: 5.09 ug/l
RT: 11.652 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:112 Resp: 59244
Ion Ratio Lower Upper
112 100
114 30.5 25.8 38.8

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

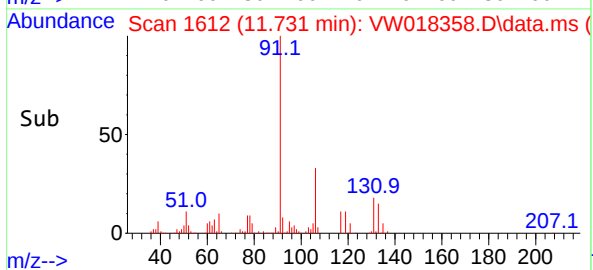
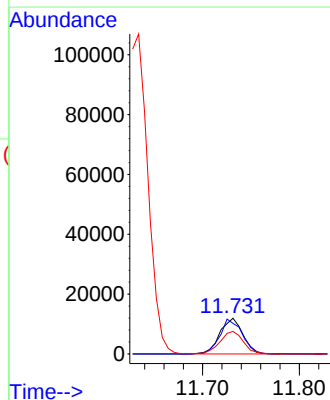
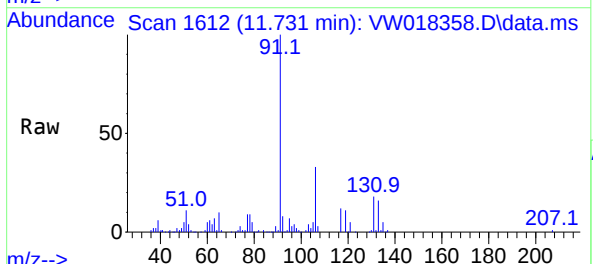
Manual Integrations
APPROVED

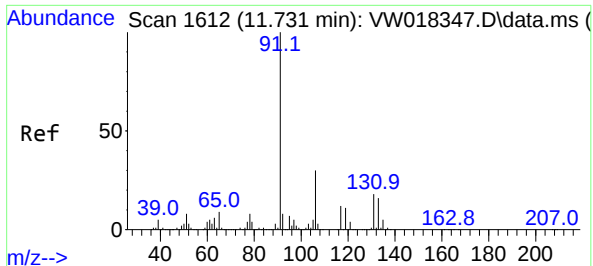
MMDadoda
3/18/2021 4:12:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.78 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

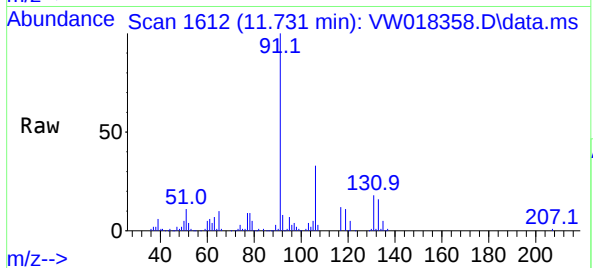
Tgt Ion:131 Resp: 19643
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.8
119 64.9 31.1 93.5





#67
Ethyl Benzene
Concen: 4.95 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

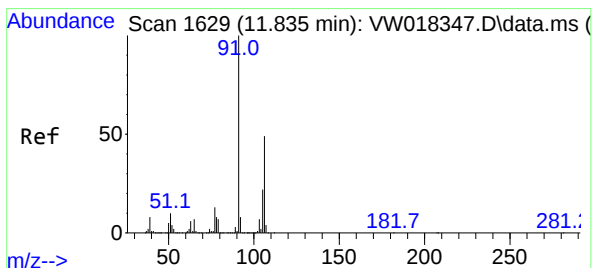
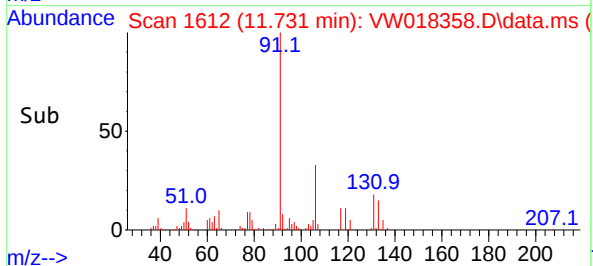
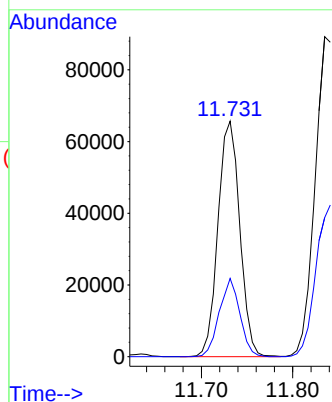
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



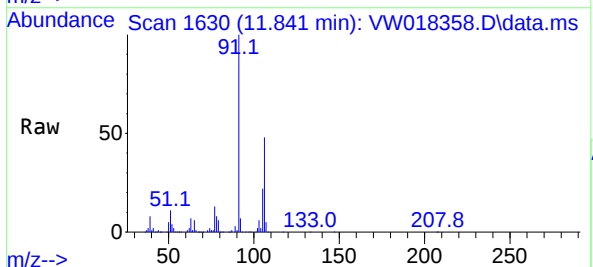
Tgt Ion: 91 Resp: 109009
Ion Ratio Lower Upper
91 100
106 33.2 25.0 37.6

Manual Integrations
APPROVED

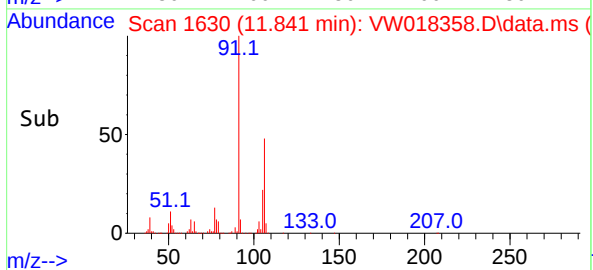
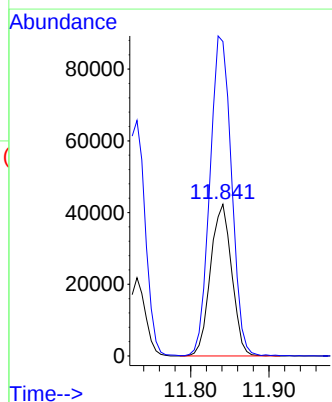
MMDadoda
3/18/2021 4:12:55 PM

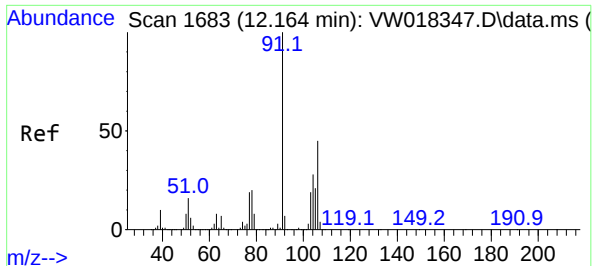


#68
m/p-Xylenes
Concen: 9.55 ug/l
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 106 Resp: 79725
Ion Ratio Lower Upper
106 100
91 214.7 165.5 248.3





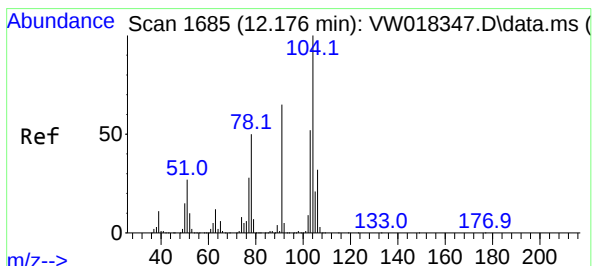
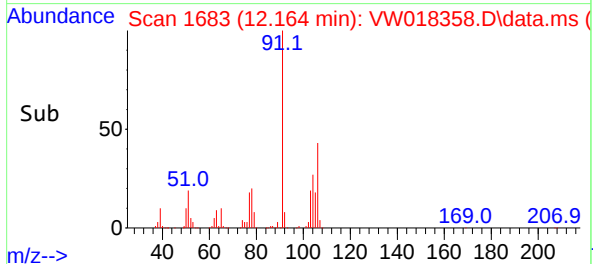
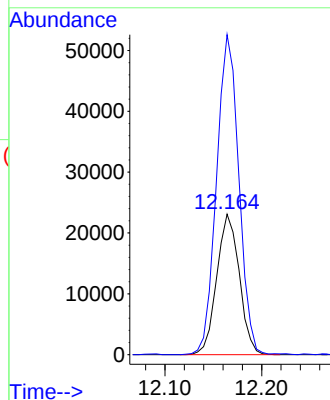
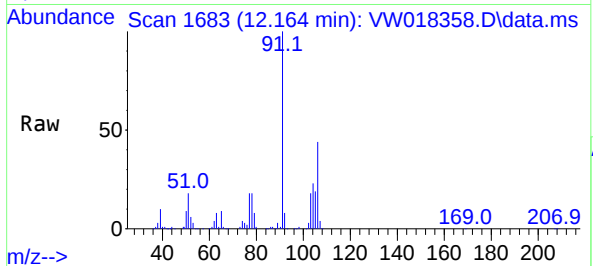
#69
o-Xylene
Concen: 4.77 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:106 Resp: 37272
Ion Ratio Lower Upper
106 100
91 226.0 111.3 333.9

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

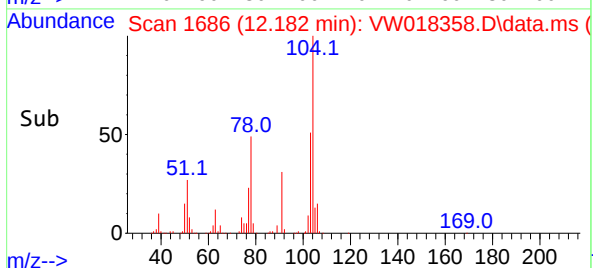
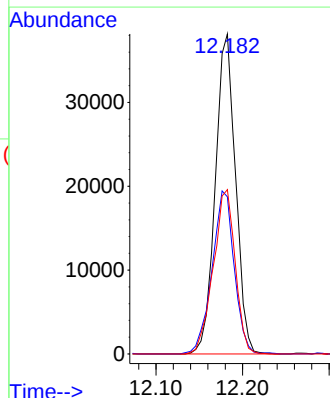
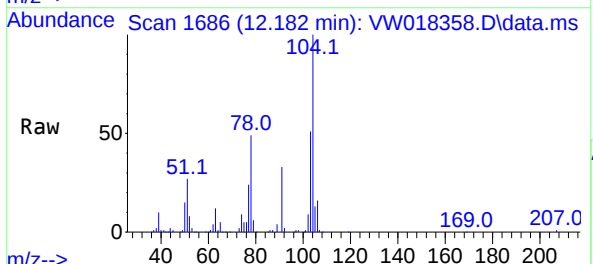
Manual Integrations
APPROVED

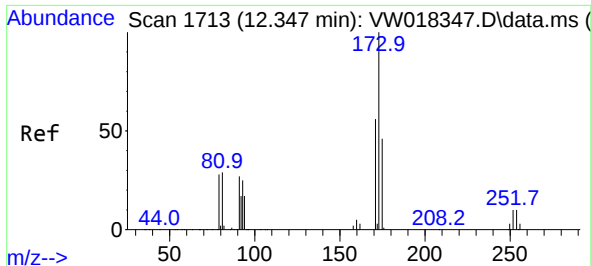
MMDadoda
3/18/2021 4:12:55 PM



#70
Styrene
Concen: 4.74 ug/l
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:104 Resp: 61922
Ion Ratio Lower Upper
104 100
78 56.0 43.2 64.8
103 55.6 44.4 66.6





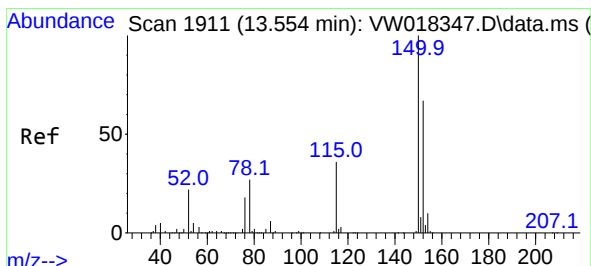
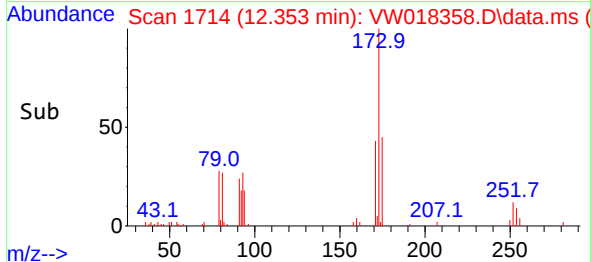
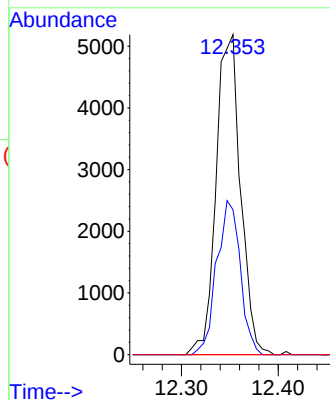
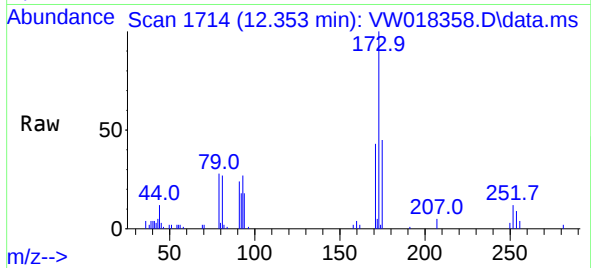
#71
Bromoform
Concen: 4.34 ug/l
RT: 12.353 min Scan# 1714
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	173	Resp:	9093
Ion Ratio	Lower	Upper	
173	100		
175	46.4	23.5	70.6
254	0.0	0.0	0.0

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

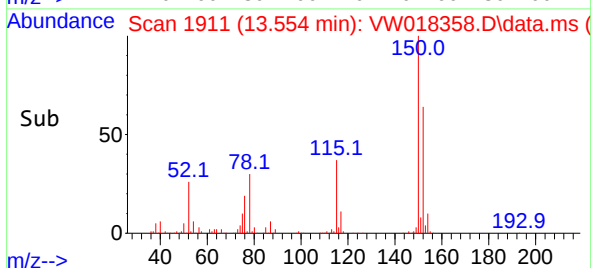
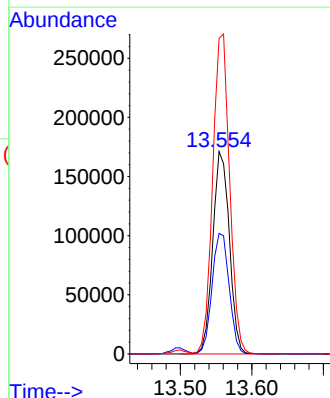
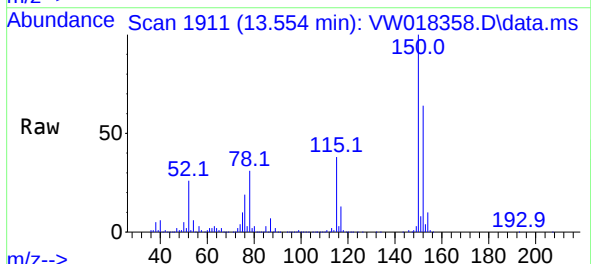
Manual Integrations
APPROVED

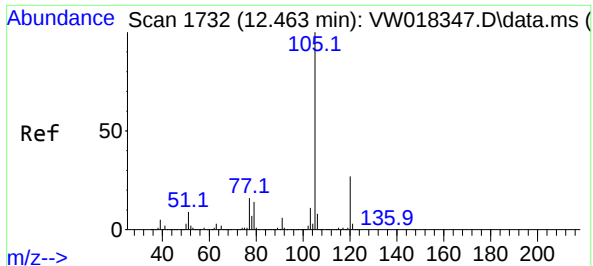
MMDadoda
3/18/2021 4:12:55 PM



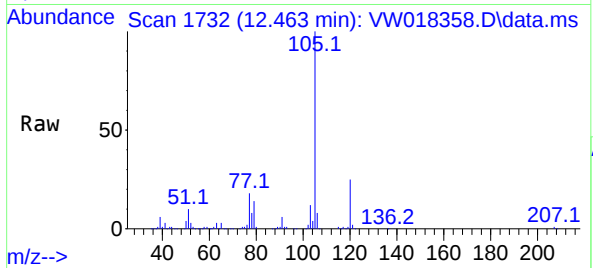
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	152	Resp:	275543
Ion Ratio	Lower	Upper	
152	100		
115	61.5	31.9	95.7
150	161.0	0.0	347.2

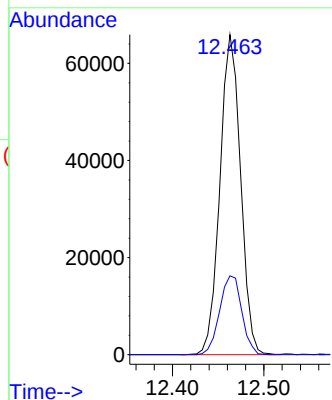




#73
Isopropylbenzene
Concen: 4.99 ug/l
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



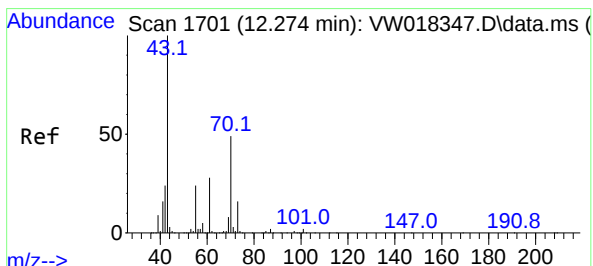
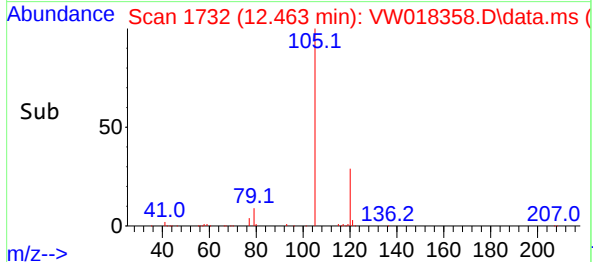
Tgt Ion: 105 Resp: 103634
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.3



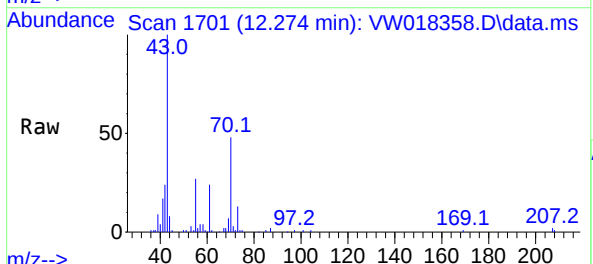
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations
APPROVED

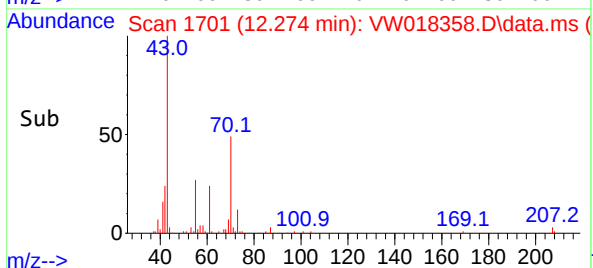
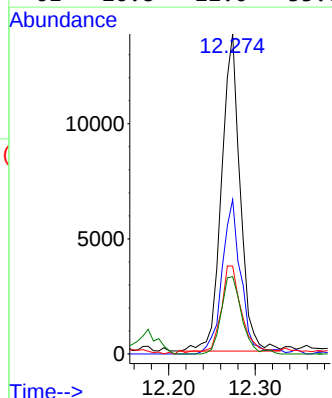
MMDadoda
3/18/2021 4:12:55 PM

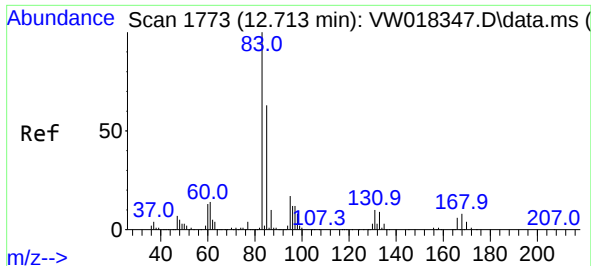


#74
N-ethyl acetate
Concen: 5.05 ug/l
RT: 12.274 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



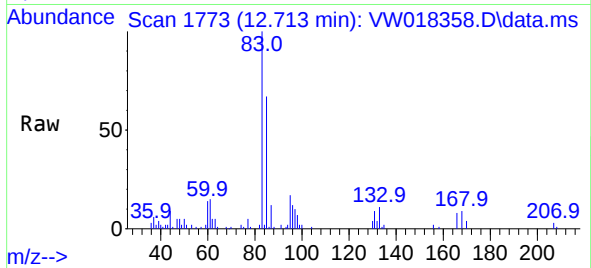
Tgt Ion: 43 Resp: 20609
Ion Ratio Lower Upper
43 100
70 49.4 41.8 62.6
55 31.8 23.0 34.6
61 26.8 22.0 33.0





#75
1,1,2,2-Tetrachloroethane
Concen: 5.24 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

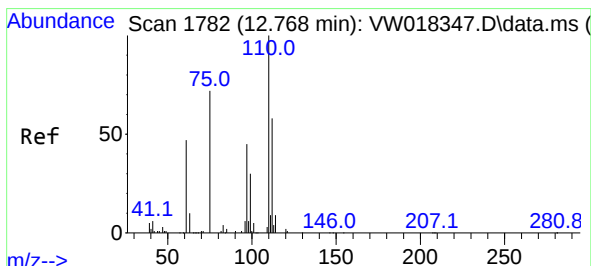
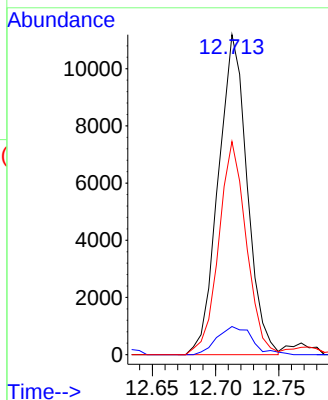
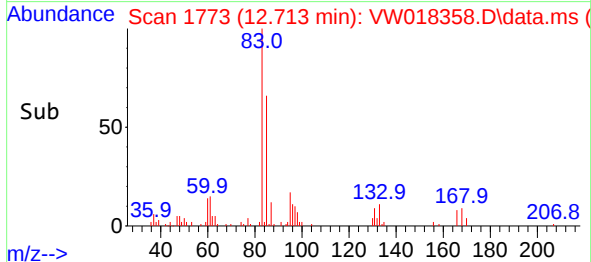
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



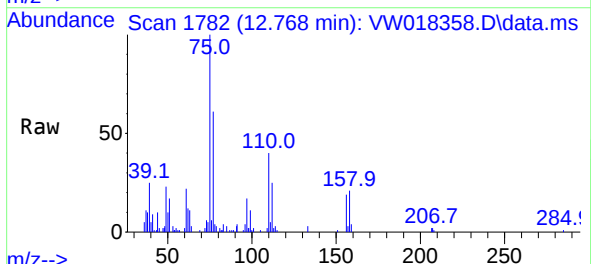
Tgt Ion: 83 Resp: 17742
Ion Ratio Lower Upper
83 100
131 10.8 5.9 17.6
85 63.6 31.9 95.5

Manual Integrations
APPROVED

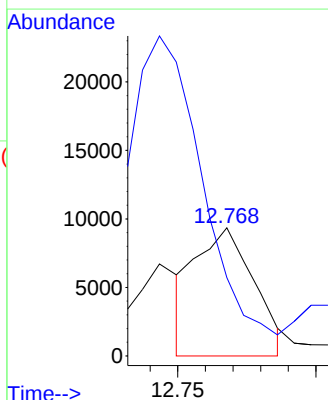
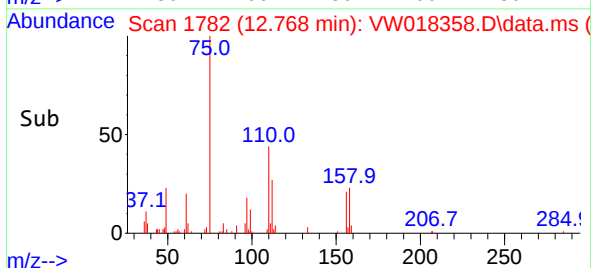
MMDadoda
3/18/2021 4:12:55 PM

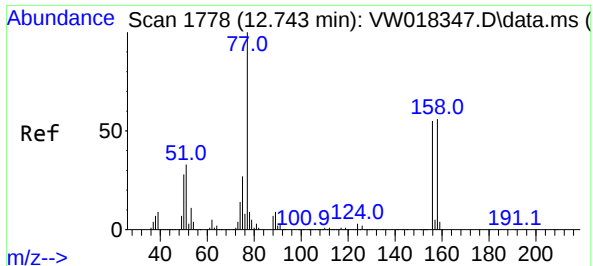


#76
1,2,3-Trichloropropane
Concen: 5.45 ug/l m
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 75 Resp: 13815
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





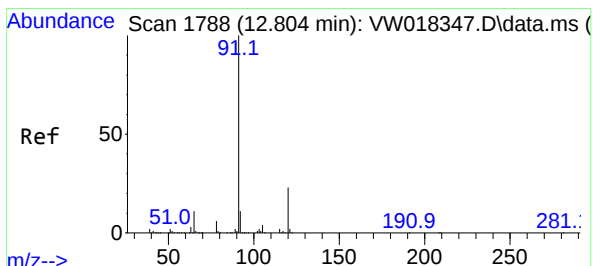
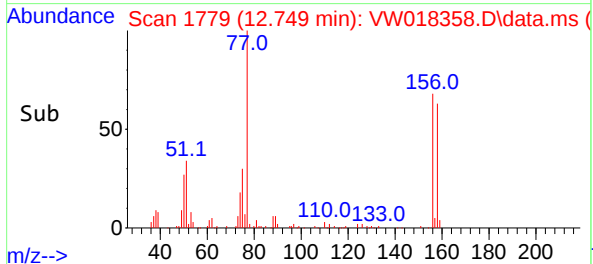
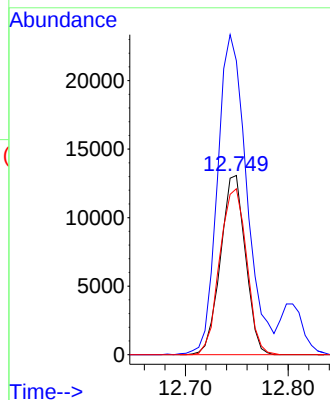
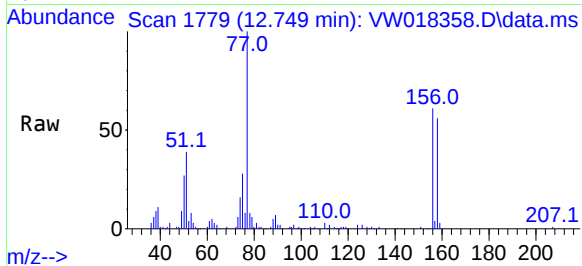
#77
Bromobenzene
Concen: 4.96 ug/l
RT: 12.749 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 156 Resp: 22060
Ion Ratio Lower Upper
156 100
77 209.6 97.8 293.4
158 99.7 49.1 147.3

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

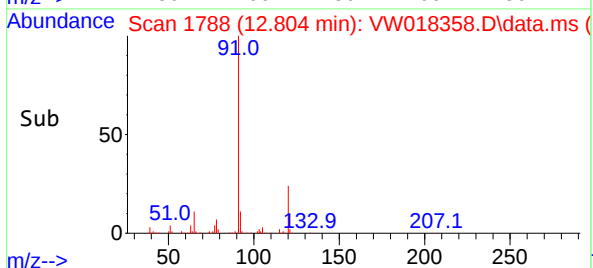
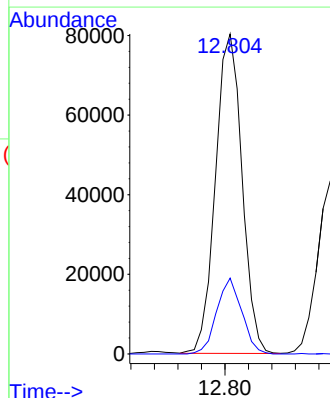
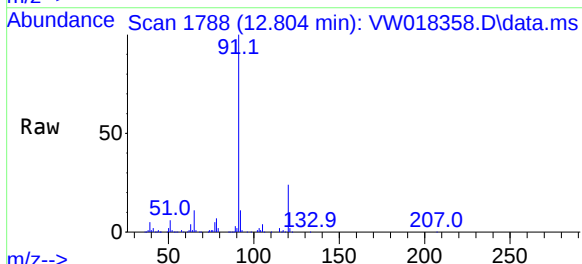
Manual Integrations
APPROVED

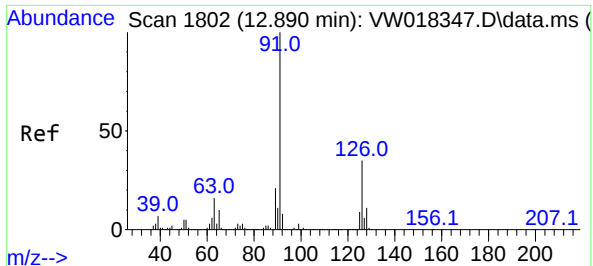
MMDadoda
3/18/2021 4:12:55 PM



#78
n-propylbenzene
Concen: 5.08 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

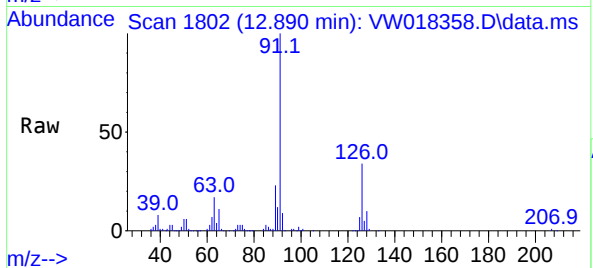
Tgt Ion: 91 Resp: 125723
Ion Ratio Lower Upper
91 100
120 22.4 11.3 33.9





#79
2-Chlorotoluene
Concen: 5.10 ug/l
RT: 12.890 min Scan# 1802
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

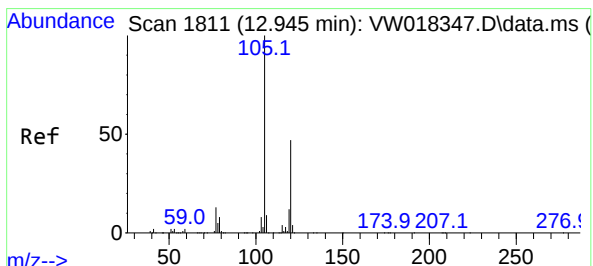
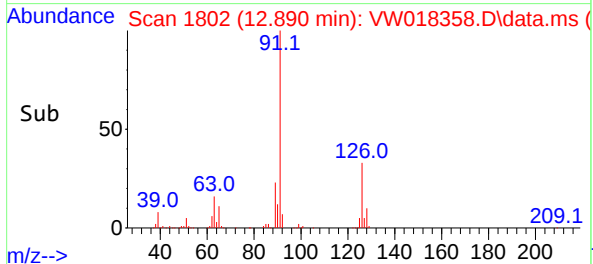
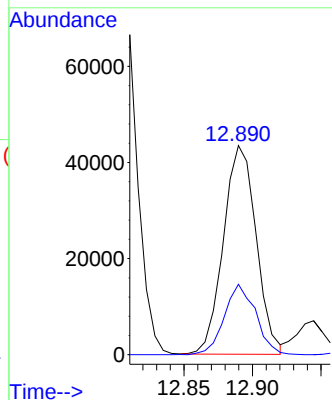
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



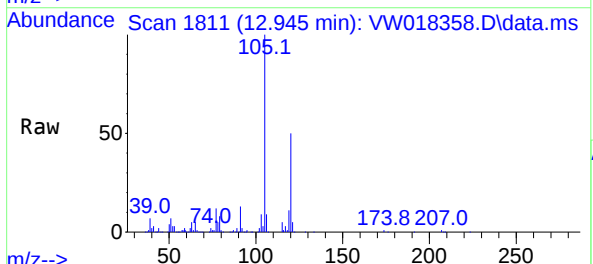
Tgt Ion: 91 Resp: 72275
Ion Ratio Lower Upper
91 100
126 32.3 15.0 45.0

Manual Integrations
APPROVED

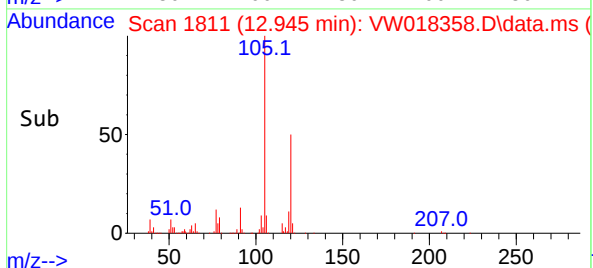
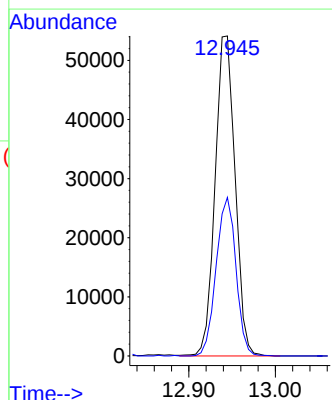
MMDadoda
3/18/2021 4:12:55 PM

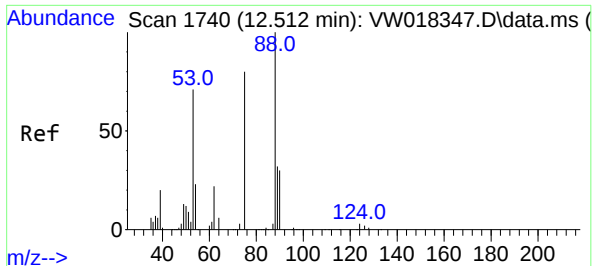


#80
1,3,5-Trimethylbenzene
Concen: 4.85 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 105 Resp: 86889
Ion Ratio Lower Upper
105 100
120 49.0 23.4 70.0





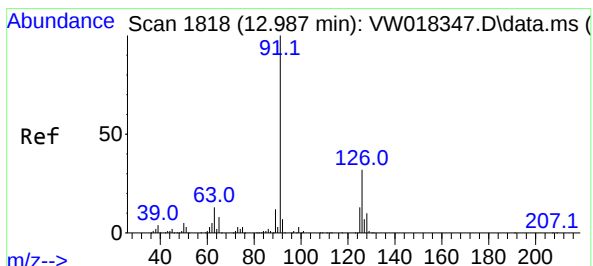
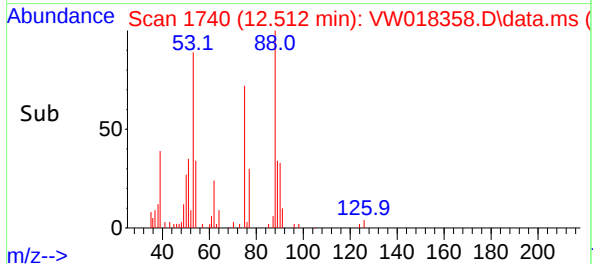
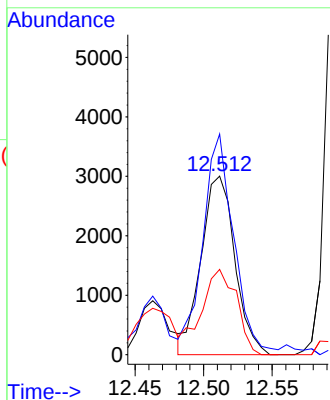
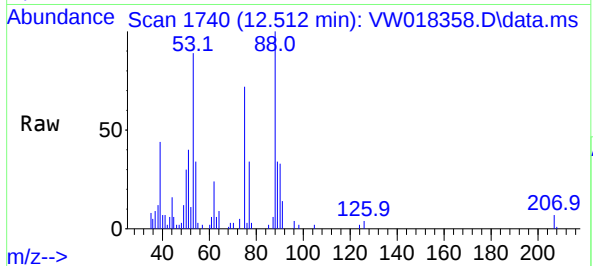
#81
trans-1,4-Dichloro-2-butene
Concen: 4.44 ug/l
RT: 12.512 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	75	Resp:	5142
Ion Ratio	Lower	Upper	
75	100		
53	108.3	86.9	130.3
89	50.0	38.8	58.2

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

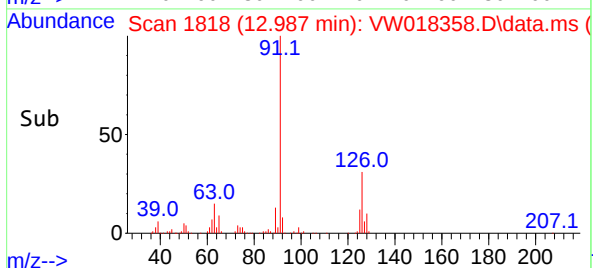
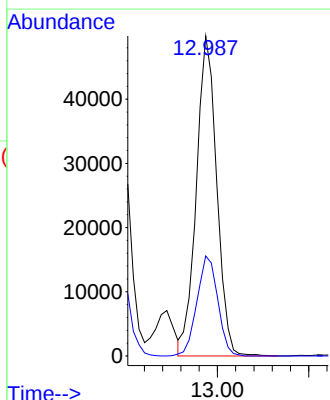
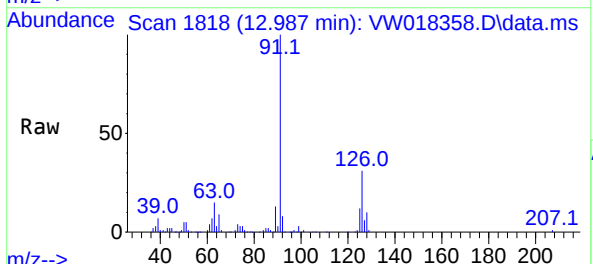
Manual Integrations
APPROVED

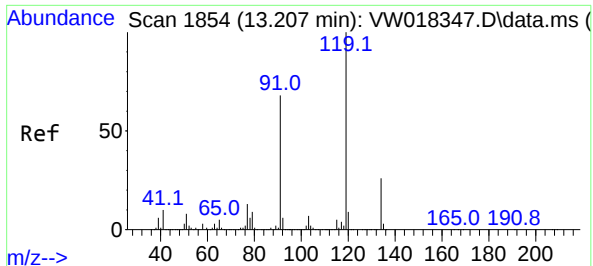
MMDadoda
3/18/2021 4:12:55 PM



#82
4-Chlorotoluene
Concen: 5.16 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

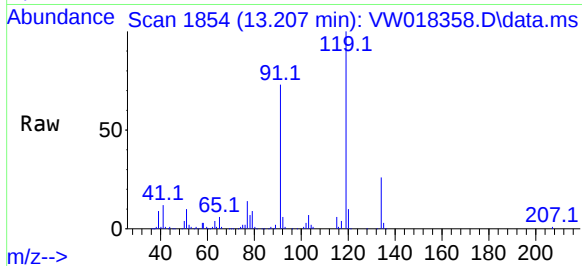
Tgt Ion:	91	Resp:	77034
Ion Ratio	Lower	Upper	
91	100		
126	32.0	15.8	47.4





#83
tert-Butylbenzene
Concen: 4.87 ug/l
RT: 13.207 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

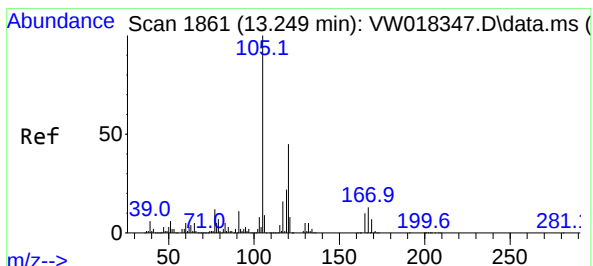
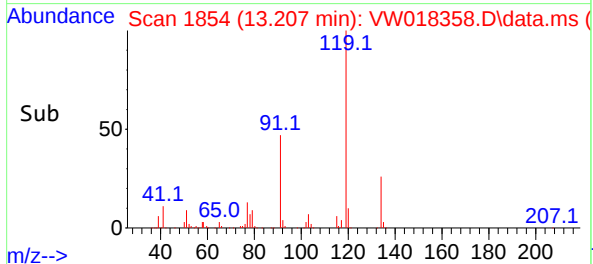
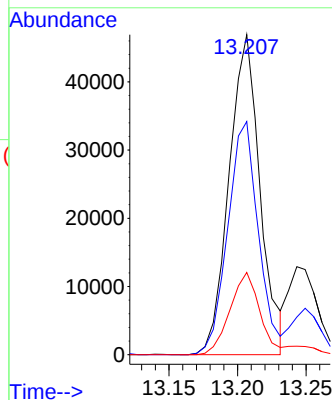
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



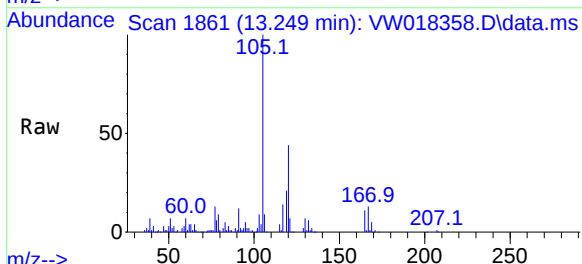
Tgt Ion:119 Resp: 73929
Ion Ratio Lower Upper
119 100
91 72.0 34.9 104.7
134 25.2 12.3 36.9

Manual Integrations
APPROVED

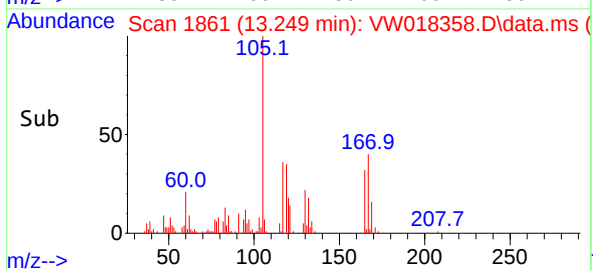
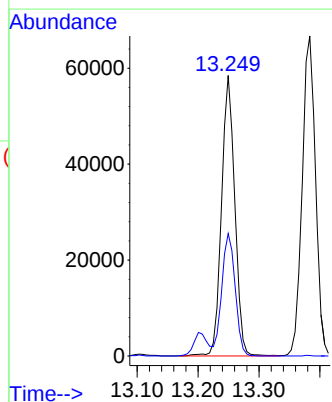
MMDadoda
3/18/2021 4:12:55 PM

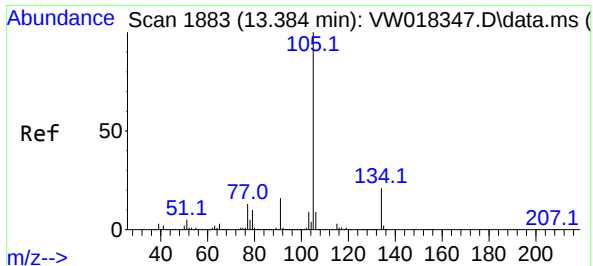


#84
1,2,4-Trimethylbenzene
Concen: 4.95 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



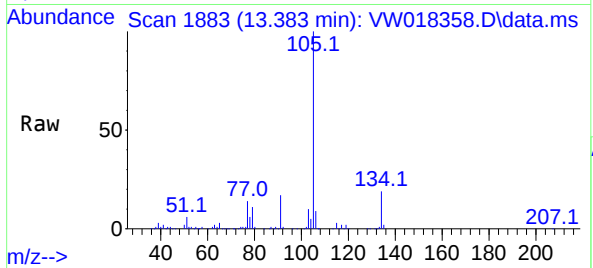
Tgt Ion:105 Resp: 88696
Ion Ratio Lower Upper
105 100
120 43.6 21.3 64.0





#85
sec-Butylbenzene
Concen: 4.74 ug/l
RT: 13.383 min Scan# 1883
Delta R.T. -0.001 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

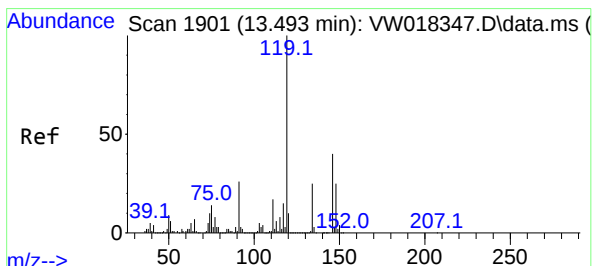
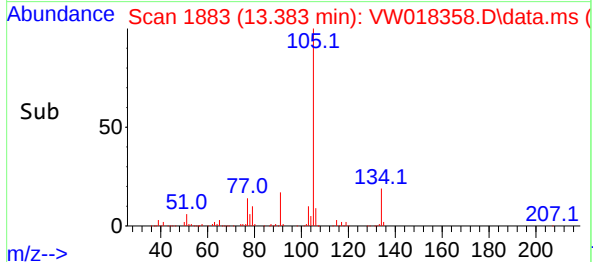
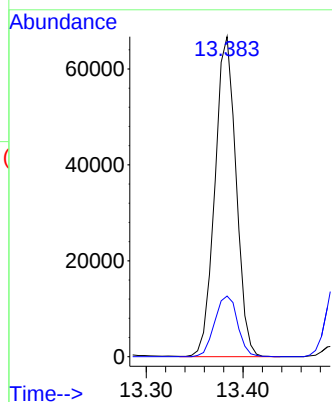
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



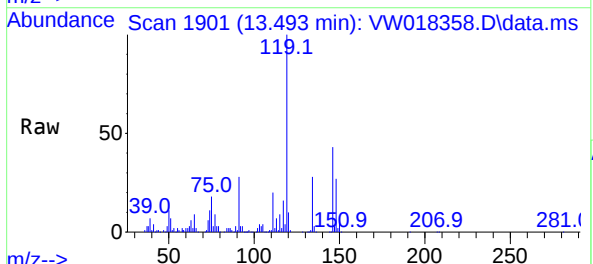
Tgt Ion:105 Resp: 101402
Ion Ratio Lower Upper
105 100
134 20.5 9.8 29.3

Manual Integrations
APPROVED

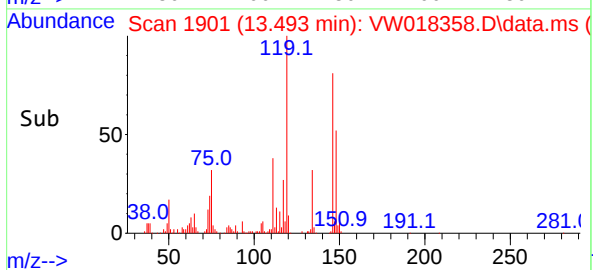
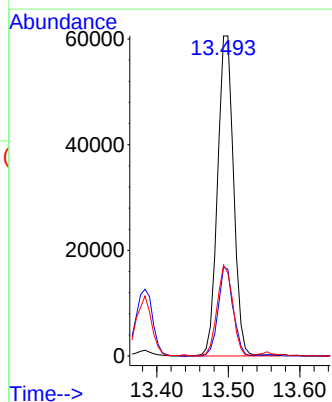
MMDadoda
3/18/2021 4:12:55 PM

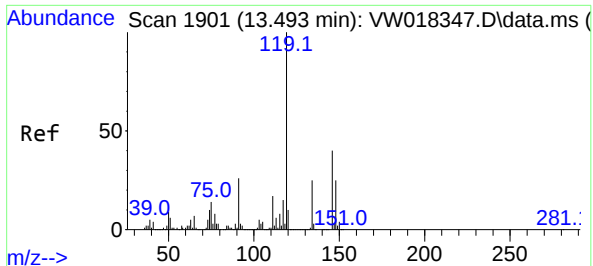


#86
p-Isopropyltoluene
Concen: 4.91 ug/l
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion:119 Resp: 94243
Ion Ratio Lower Upper
119 100
134 26.1 12.4 37.4
91 27.5 13.1 39.1





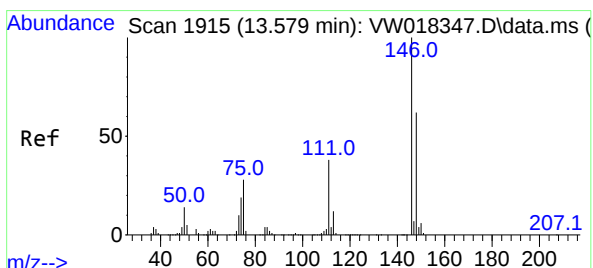
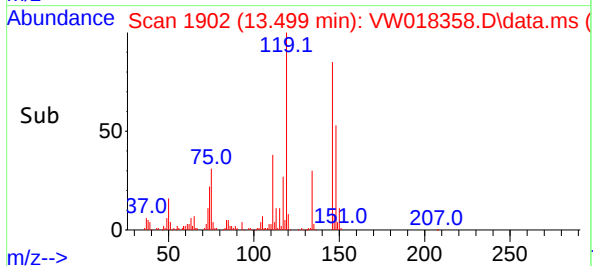
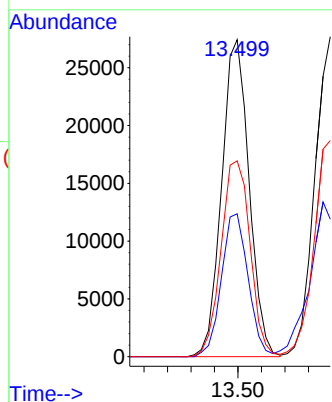
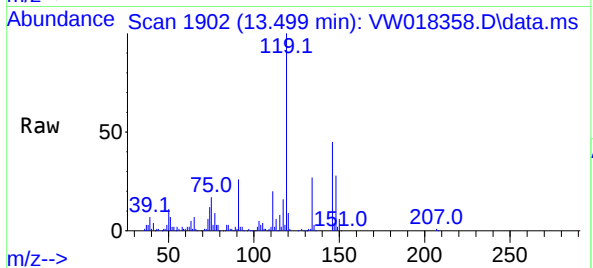
#87
1,3-Dichlorobenzene
Concen: 4.96 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:146 Resp: 44474
Ion Ratio Lower Upper
146 100
111 44.0 21.8 65.3
148 65.5 32.6 97.7

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

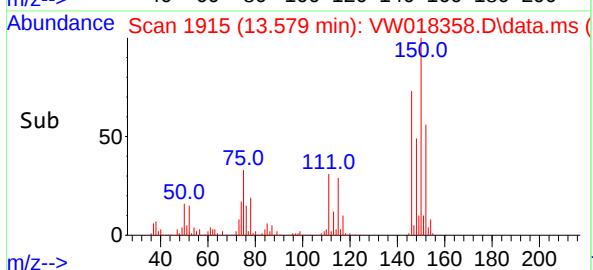
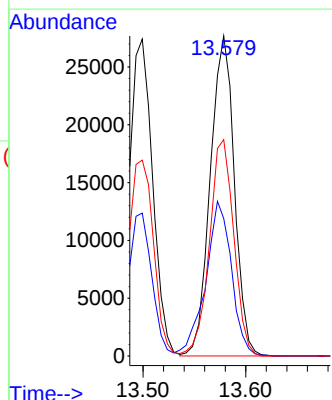
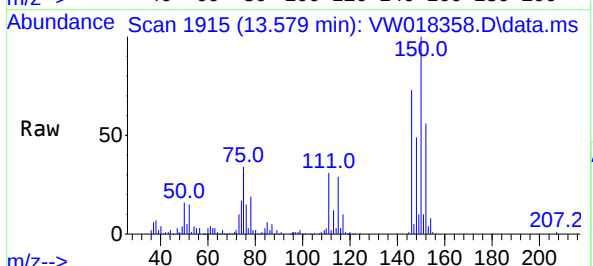
Manual Integrations
APPROVED

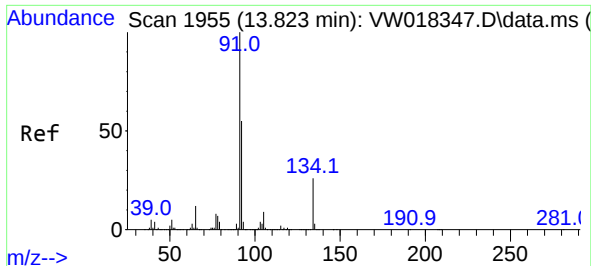
MMDadoda
3/18/2021 4:12:55 PM



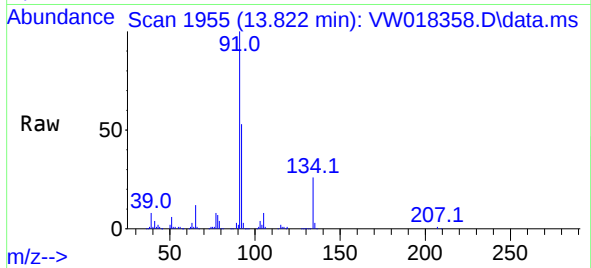
#88
1,4-Dichlorobenzene
Concen: 5.03 ug/l
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:146 Resp: 45025
Ion Ratio Lower Upper
146 100
111 52.1 20.3 60.8
148 68.4 31.4 94.0



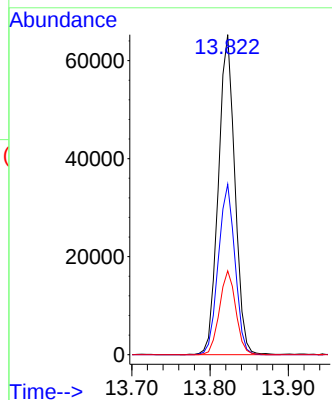


#89
n-Butylbenzene
Concen: 5.03 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. -0.001 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 91 Resp: 95845

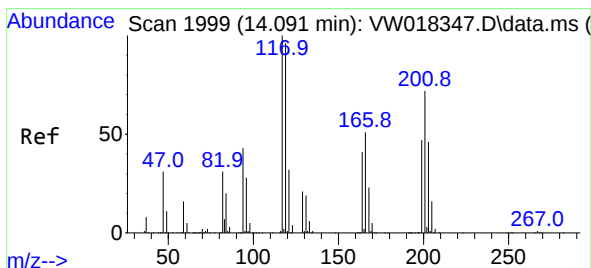
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.8
134	25.9	12.4	37.4



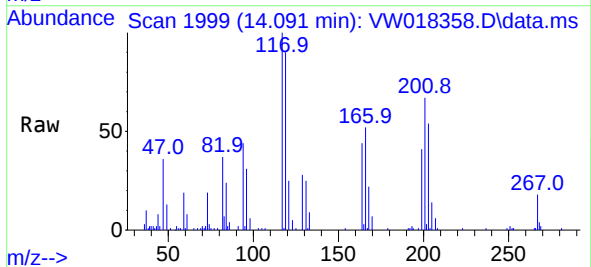
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations
APPROVED

MMDadoda
3/18/2021 4:12:55 PM

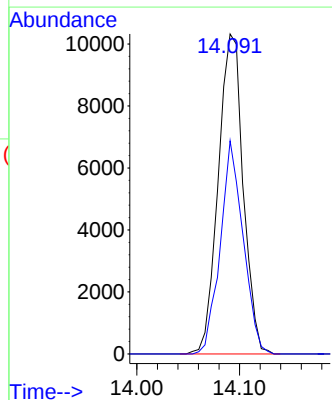
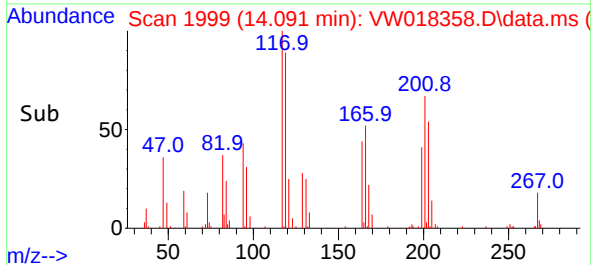


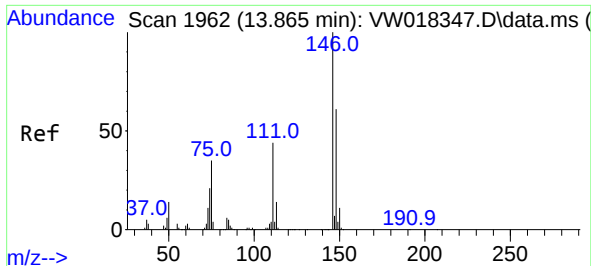
#90
Hexachloroethane
Concen: 4.92 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion: 117 Resp: 17383

Ion	Ratio	Lower	Upper
117	100		
201	61.1	35.4	106.1





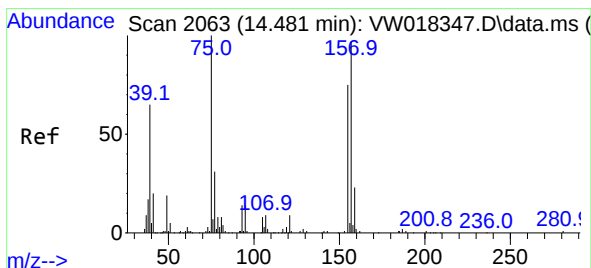
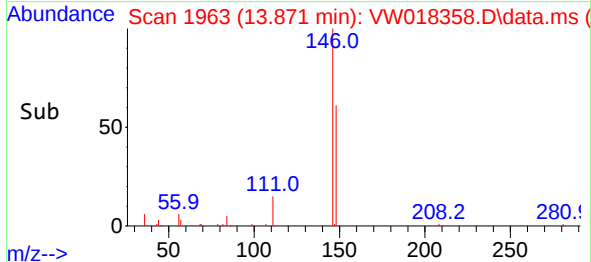
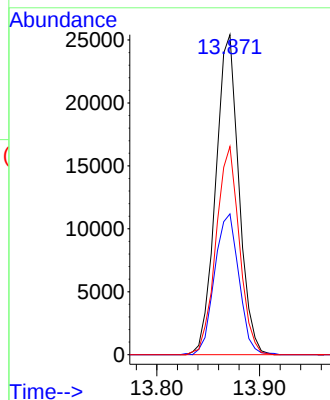
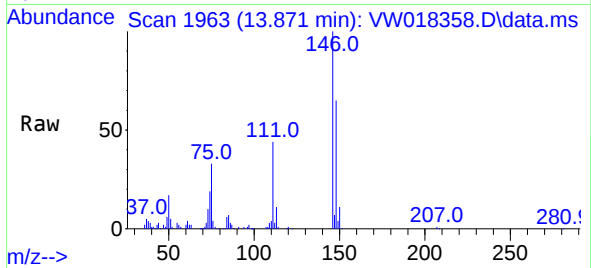
#91
1,2-Dichlorobenzene
Concen: 5.04 ug/l
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion: 146 Resp: 39812
Ion Ratio Lower Upper
146 100
111 46.3 22.3 66.9
148 65.6 31.2 93.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

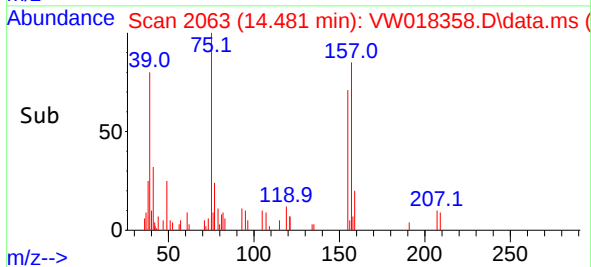
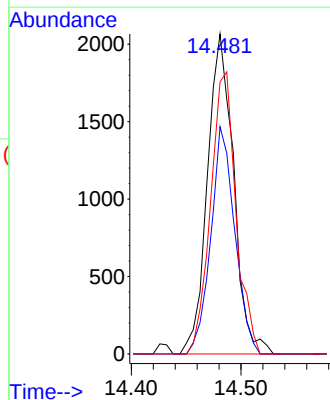
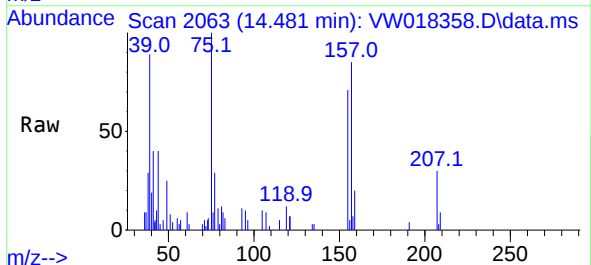
Manual Integrations
APPROVED

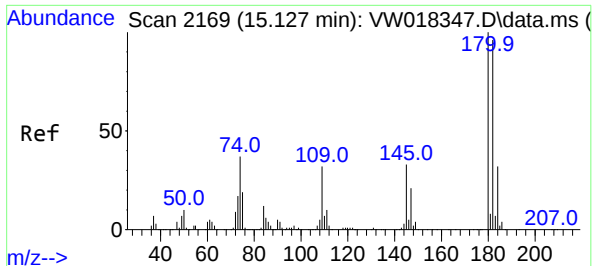
MMDadoda
3/18/2021 4:12:55 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.45 ug/l
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

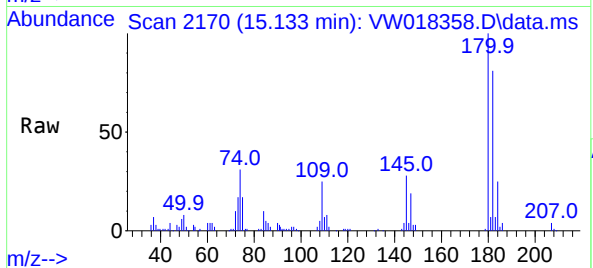
Tgt Ion: 75 Resp: 3422
Ion Ratio Lower Upper
75 100
155 65.3 38.0 113.9
157 85.4 49.9 149.7





#93
1,2,4-Trichlorobenzene
Concen: 5.24 ug/l
RT: 15.133 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

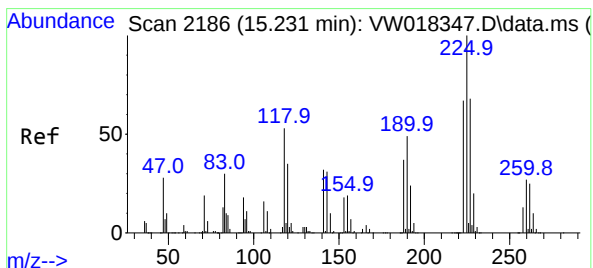
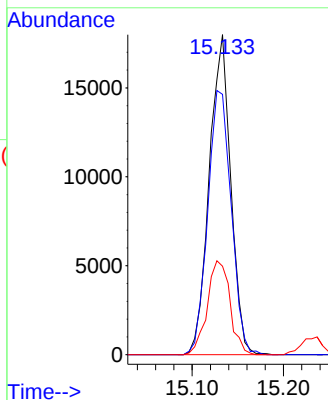
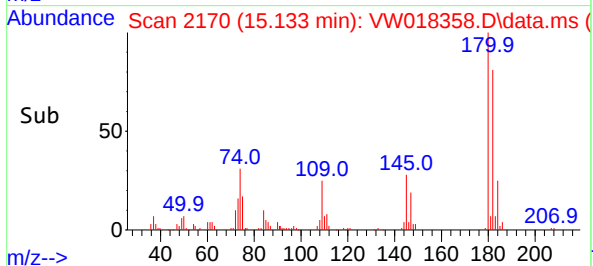
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021



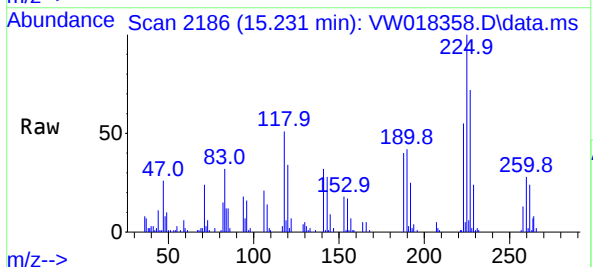
Tgt Ion:180 Resp: 29288
Ion Ratio Lower Upper
180 100
182 90.2 50.0 150.0
145 31.2 17.9 53.8

Manual Integrations
APPROVED

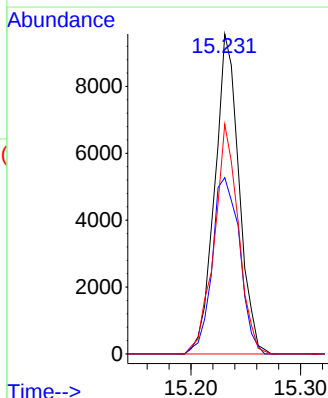
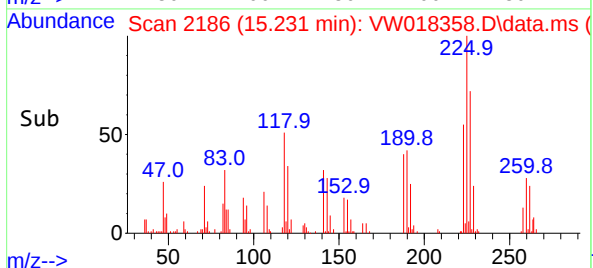
MMDadoda
3/18/2021 4:12:55 PM

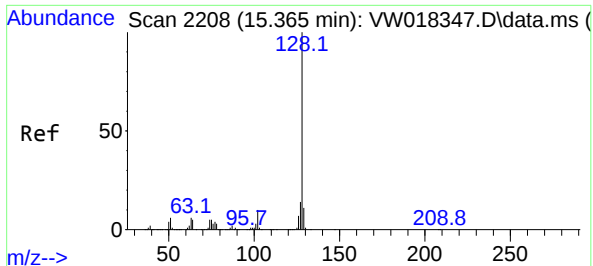


#94
Hexachlorobutadiene
Concen: 4.64 ug/l
RT: 15.231 min Scan# 2186
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18



Tgt Ion:225 Resp: 14710
Ion Ratio Lower Upper
225 100
223 62.6 27.3 81.8
227 71.5 27.8 83.3





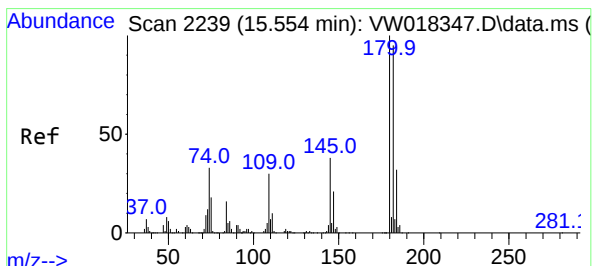
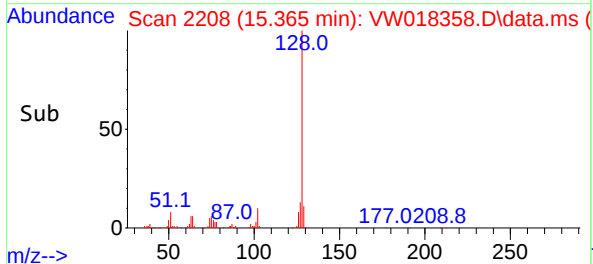
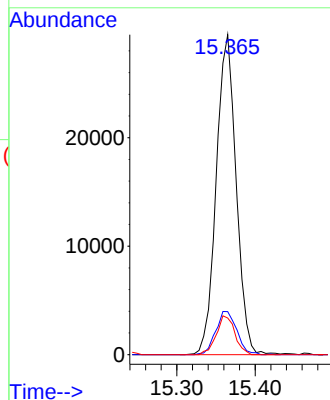
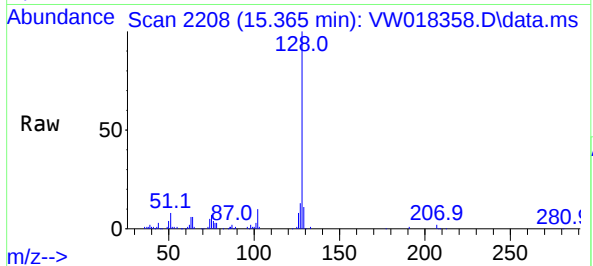
#95
Naphthalene
Concen: 5.05 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	128	Resp:	52096
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.9	16.3
129	11.4	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations
APPROVED

MMDadoda
3/18/2021 4:12:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.92 ug/l
RT: 15.554 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VW018358.D
Acq: 17 Mar 2021 21:18

Tgt Ion:	180	Resp:	22876
Ion Ratio	Lower	Upper	
180	100		
182	101.7	45.1	135.2
145	35.0	17.8	53.3

