

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102921\
 Data File : VW020731.D
 Acq On : 29 Oct 2021 17:21
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 6:28:15 PM

Quant Time: Nov 01 00:43:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 01 00:41:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	104260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	164555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	152041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	81218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	51787	50.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.060%
35) Dibromofluoromethane	7.884	113	44485	46.083	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.160%
50) Toluene-d8	10.323	98	168259	46.447	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.900%
62) 4-Bromofluorobenzene	12.615	95	63904	46.758	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	1369	5.346	ug/l	96
3) Chloromethane	2.209	50	3659	5.869	ug/l	95
4) Vinyl Chloride	2.349	62	4166	5.710	ug/l	100
5) Bromomethane	2.763	94	2389	8.093	ug/l	96
6) Chloroethane	2.910	64	1078	5.849	ug/l #	87
7) Trichlorofluoromethane	3.245	101	1593	4.641	ug/l	94
8) Diethyl Ether	3.678	74	2300	5.406	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.050	101	4870	5.793	ug/l	98
10) Methyl Iodide	4.263	142	4994	5.273	ug/l	96
11) Tert butyl alcohol	5.190	59	1405	25.760	ug/l #	72
12) 1,1-Dichloroethene	4.038	96	4439	5.417	ug/l	87
13) Acrolein	3.891	56	593	24.730	ug/l	97
14) Allyl chloride	4.659	41	5732	4.548	ug/l	99
15) Acrylonitrile	5.367	53	5572	27.975	ug/l	96
16) Acetone	4.129	43	6402	27.921	ug/l	94
17) Carbon Disulfide	4.385	76	13154	5.799	ug/l	99
18) Methyl Acetate	4.678	43	4513	6.158	ug/l	97
19) Methyl tert-butyl Ether	5.421	73	5564	4.955	ug/l	98
20) Methylene Chloride	4.915	84	9687	8.900	ug/l	96
21) trans-1,2-Dichloroethene	5.409	96	5098	5.562	ug/l	91
22) Diisopropyl ether	6.305	45	13577	5.165	ug/l	92
23) Vinyl Acetate	6.257	43	34805	24.330	ug/l	99
24) 1,1-Dichloroethane	6.208	63	9436	5.600	ug/l	97
25) 2-Butanone	7.177	43	7367	26.722	ug/l	93
26) 2,2-Dichloropropane	7.165	77	5005	5.338	ug/l	99
27) cis-1,2-Dichloroethene	7.165	96	5623	5.609	ug/l	98
28) Bromochloromethane	7.513	49	4686	5.985	ug/l #	99
29) Tetrahydrofuran	7.537	42	4358	26.125	ug/l	99
30) Chloroform	7.677	83	9881	5.617	ug/l	99
31) Cyclohexane	7.951	56	10431	6.074	ug/l #	76
32) 1,1,1-Trichloroethane	7.866	97	7804	5.794	ug/l	97
36) 1,1-Dichloropropene	8.079	75	7560	5.150	ug/l	99
37) Ethyl Acetate	7.256	43	3565	5.691	ug/l #	94
38) Carbon Tetrachloride	8.073	117	7090	5.244	ug/l	96
39) Methylcyclohexane	9.335	83	8289	4.673	ug/l	93
40) Benzene	8.323	78	26326	6.249	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102921\
 Data File : VW020731.D
 Acq On : 29 Oct 2021 17:21
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 6:28:15 PM

Quant Time: Nov 01 00:43:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 01 00:41:46 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	1678	4.553	ug/l	99
42) 1,2-Dichloroethane	8.397	62	6943	5.362	ug/l	99
43) Isopropyl Acetate	8.427	43	6442	5.369	ug/l	98
44) Trichloroethene	9.092	130	5914	5.343	ug/l	96
45) 1,2-Dichloropropane	9.366	63	5140	5.172	ug/l	98
46) Dibromomethane	9.457	93	2806	5.196	ug/l	97
47) Bromodichloromethane	9.646	83	7125	5.198	ug/l	98
48) Methyl methacrylate	9.439	41	2649	4.508	ug/l	99
49) 1,4-Dioxane	9.451	88	651	90.937	ug/l	92
51) 4-Methyl-2-Pentanone	10.207	43	15757	25.101	ug/l	98
52) Toluene	10.390	92	13959	5.421	ug/l	97
53) t-1,3-Dichloropropene	10.603	75	6857	4.965	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	7777	4.895	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	4086	5.425	ug/l	92
56) Ethyl methacrylate	10.646	69	4429	4.708	ug/l	98
57) 1,3-Dichloropropane	10.933	76	6873	5.231	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.921	63	9239	20.709	ug/l	100
59) 2-Hexanone	10.969	43	10773	24.267	ug/l	97
60) Dibromochloromethane	11.128	129	4711	5.233	ug/l	96
61) 1,2-Dibromoethane	11.237	107	3760	5.216	ug/l	99
64) Tetrachloroethene	10.859	164	5206	5.377	ug/l	95
65) Chlorobenzene	11.658	112	15110	5.480	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	5399	5.373	ug/l	97
67) Ethyl Benzene	11.731	91	25137	5.033	ug/l	99
68) m/p-Xylenes	11.841	106	19159	9.903	ug/l	100
69) o-Xylene	12.164	106	8367	4.698	ug/l	95
70) Styrene	12.176	104	14908	4.884	ug/l	99
71) Bromoform	12.347	173	2811	5.118	ug/l #	98
73) Isopropylbenzene	12.463	105	23204	4.733	ug/l	97
74) N-amyl acetate	12.268	43	5343	4.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	4624	5.347	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	3806m	5.466	ug/l	
77) Bromobenzene	12.743	156	6085	5.127	ug/l	97
78) n-propylbenzene	12.804	91	29448	4.872	ug/l	100
79) 2-Chlorotoluene	12.890	91	17460	5.016	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	20715	4.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	1278	4.584	ug/l	93
82) 4-Chlorotoluene	12.987	91	18722	5.068	ug/l	97
83) tert-Butylbenzene	13.201	119	17169	4.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	20355	4.791	ug/l	100
85) sec-Butylbenzene	13.383	105	26585	4.872	ug/l	97
86) p-Isopropyltoluene	13.493	119	21684	4.680	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	12215	5.022	ug/l	93
88) 1,4-Dichlorobenzene	13.579	146	13118	5.406	ug/l	92
89) n-Butylbenzene	13.822	91	20015	4.596	ug/l	99
90) Hexachloroethane	14.091	117	4205	4.986	ug/l	100
91) 1,2-Dichlorobenzene	13.871	146	11121	5.222	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.481	75	864	5.603	ug/l	88
93) 1,2,4-Trichlorobenzene	15.127	180	7148	4.893	ug/l	95
94) Hexachlorobutadiene	15.231	225	4934	5.227	ug/l	99
95) Naphthalene	15.365	128	11307	4.655	ug/l	98
96) 1,2,3-Trichlorobenzene	15.554	180	6760	5.153	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102921\
 Data File : VW020731.D
 Acq On : 29 Oct 2021 17:21
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 LOQ-SOIL-02-QT4-2021

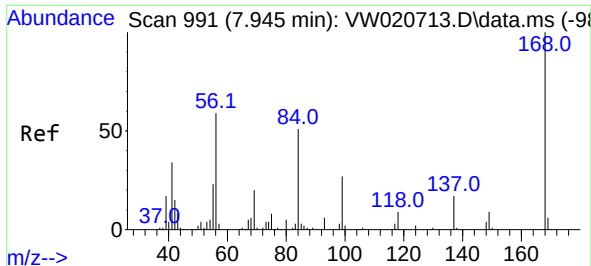
Manual Integrations
APPROVED

MMDadoda
 11/1/2021 6:28:15 PM

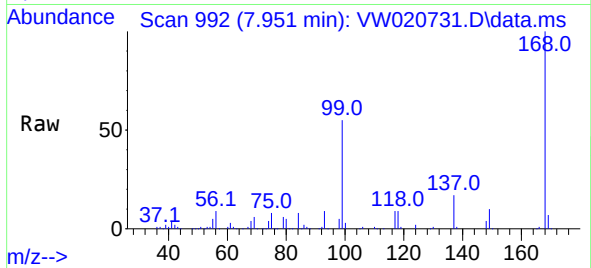
Quant Time: Nov 01 00:43:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 01 00:41:46 2021
 Response via : Initial Calibration

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

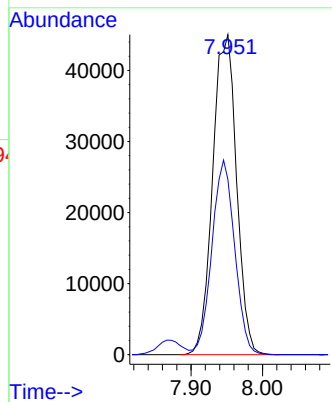
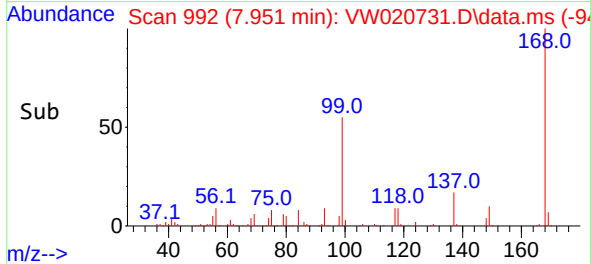
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



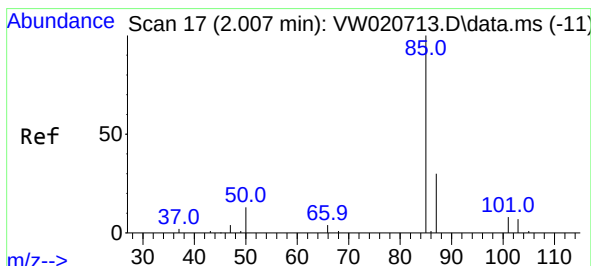
Tgt Ion:168 Resp: 104260
Ion Ratio Lower Upper
168 100
99 54.8 46.2 69.4



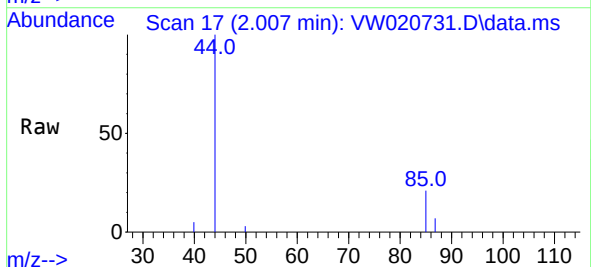
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

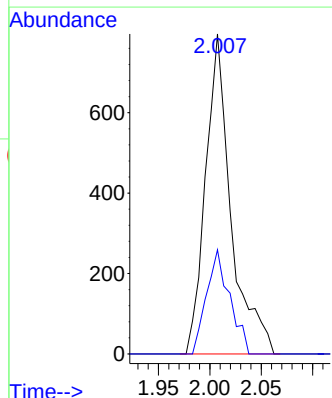
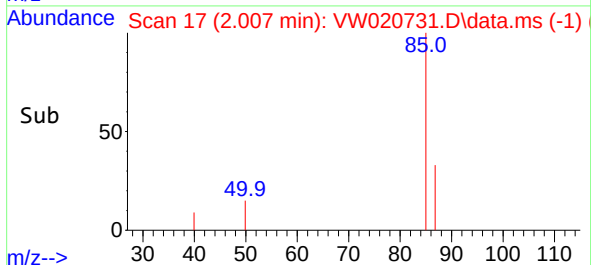
MMDadoda
11/1/2021 6:28:15 PM

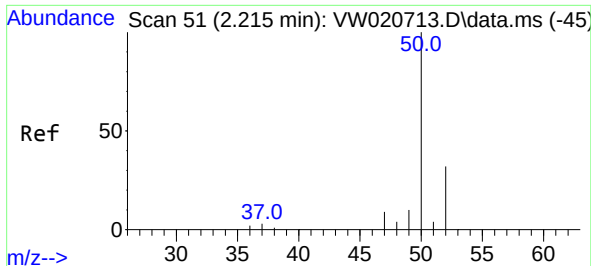


#2
Dichlorodifluoromethane
Concen: 5.346 ug/l
RT: 2.007 min Scan# 17
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 85 Resp: 1369
Ion Ratio Lower Upper
85 100
87 32.5 15.0 45.1





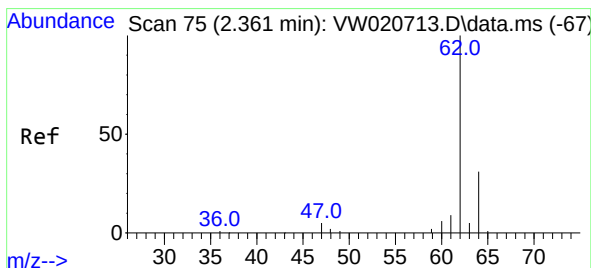
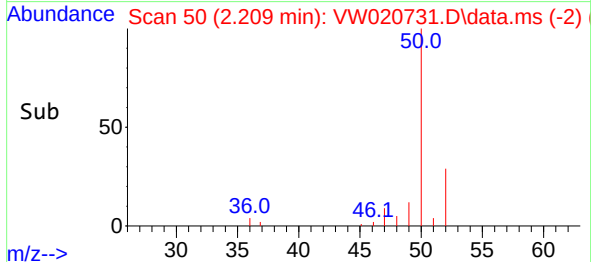
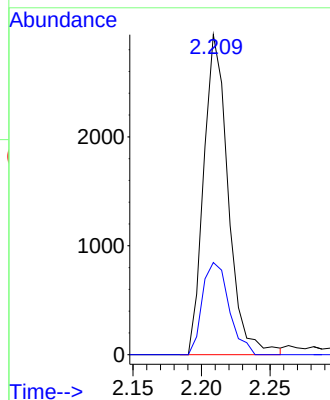
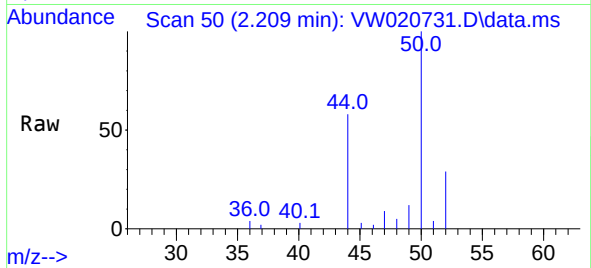
#3
Chloromethane
Concen: 5.869 ug/l
RT: 2.209 min Scan# 50
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 50 Resp: 3659
Ion Ratio Lower Upper
50 100
52 28.8 25.2 37.8

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

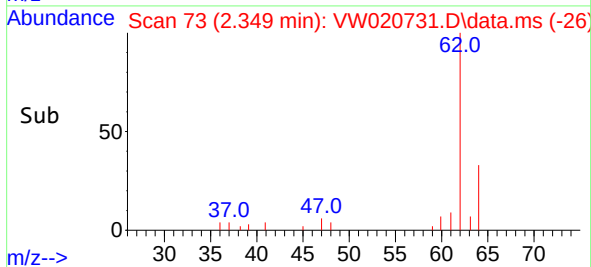
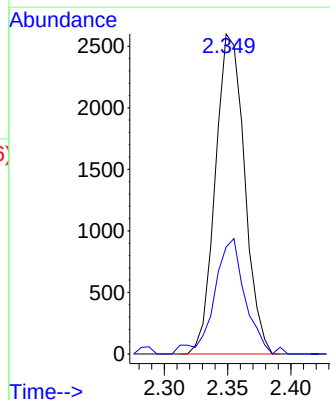
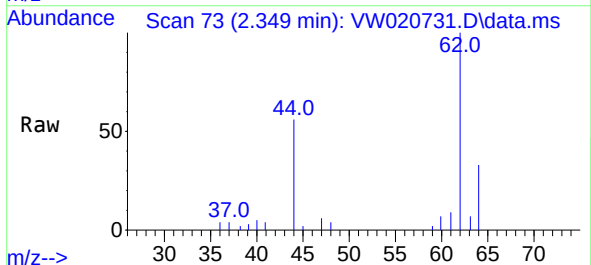
Manual Integrations
APPROVED

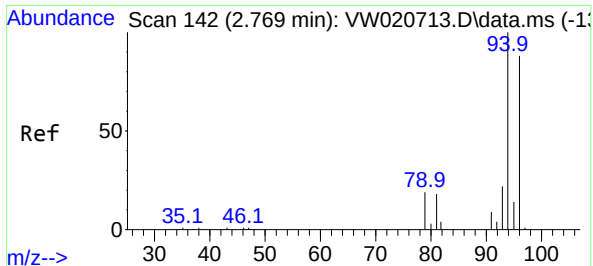
MMDadoda
11/1/2021 6:28:15 PM



#4
Vinyl Chloride
Concen: 5.710 ug/l
RT: 2.349 min Scan# 73
Delta R.T. -0.012 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 62 Resp: 4166
Ion Ratio Lower Upper
62 100
64 31.3 25.0 37.4





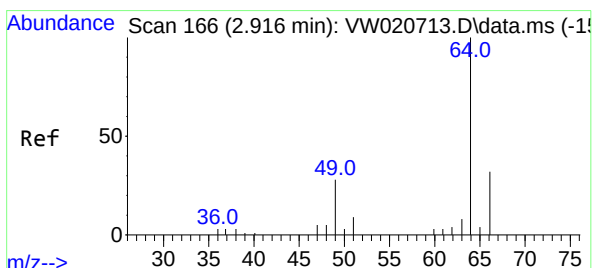
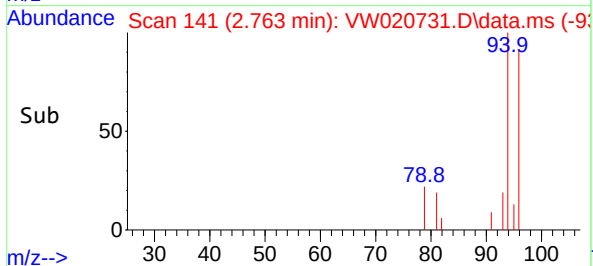
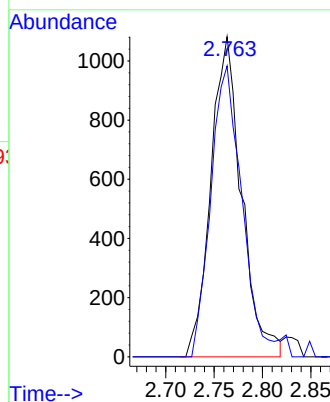
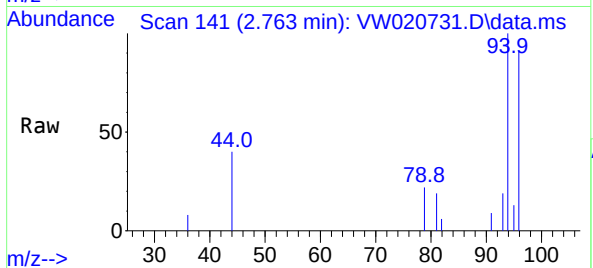
#5
Bromomethane
Concen: 8.093 ug/l
RT: 2.763 min Scan# 141
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 94 Resp: 2389
Ion Ratio Lower Upper
94 100
96 90.9 70.1 105.1

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

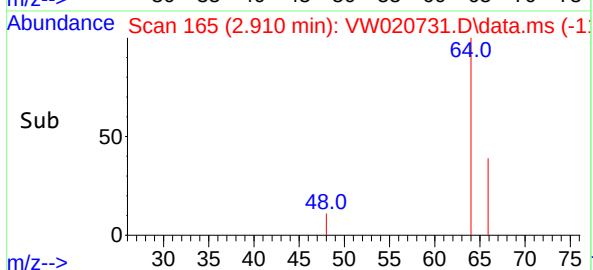
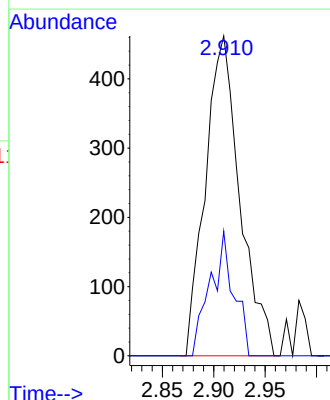
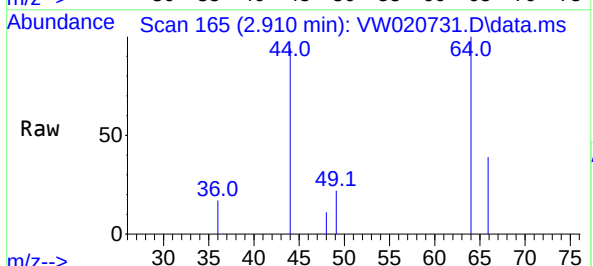
Manual Integrations
APPROVED

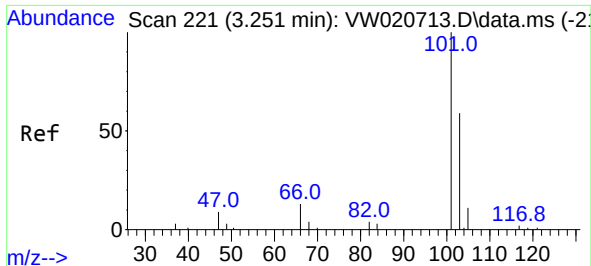
MMDadoda
11/1/2021 6:28:15 PM



#6
Chloroethane
Concen: 5.849 ug/l
RT: 2.910 min Scan# 165
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 64 Resp: 1078
Ion Ratio Lower Upper
64 100
66 39.0 25.5 38.3#





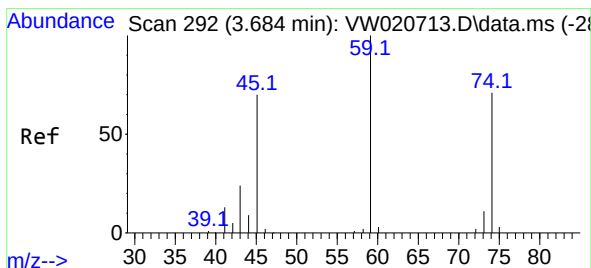
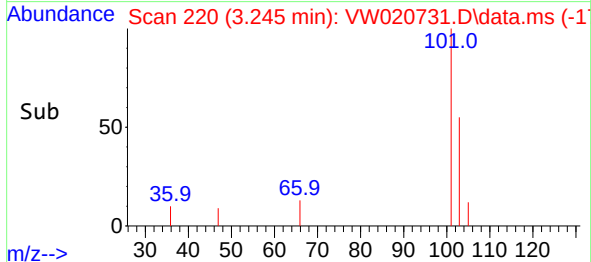
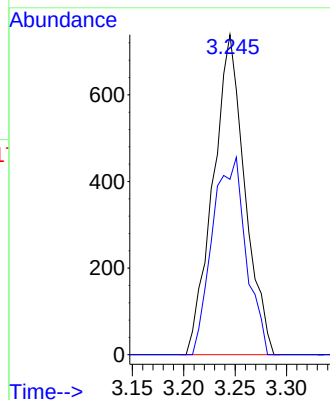
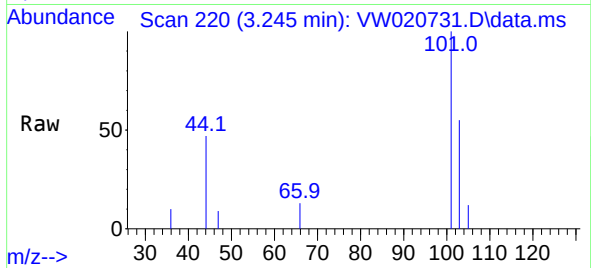
#7
Trichlorofluoromethane
Concen: 4.641 ug/l
RT: 3.245 min Scan# 220
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:101 Resp: 1593
Ion Ratio Lower Upper
101 100
103 54.8 47.4 71.0

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

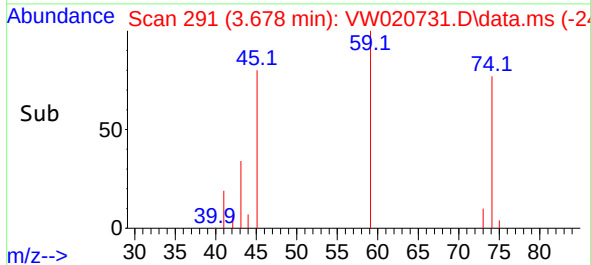
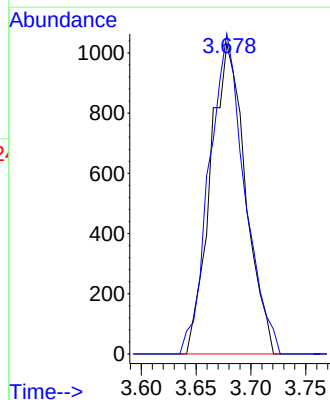
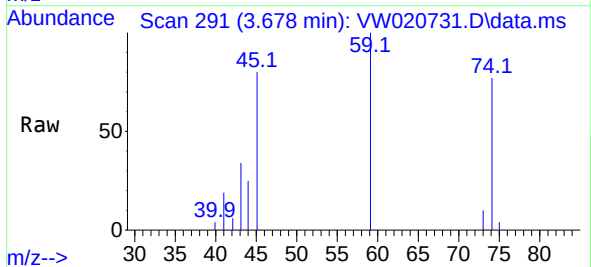
Manual Integrations
APPROVED

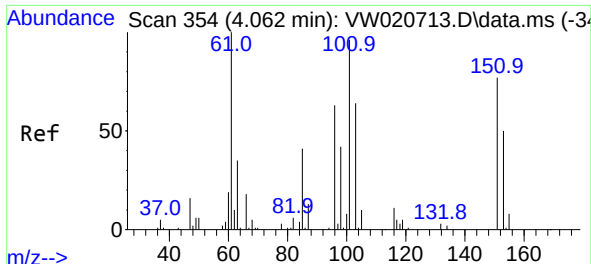
MMDadoda
11/1/2021 6:28:15 PM



#8
Diethyl Ether
Concen: 5.406 ug/l
RT: 3.678 min Scan# 291
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 74 Resp: 2300
Ion Ratio Lower Upper
74 100
45 104.3 50.4 151.2





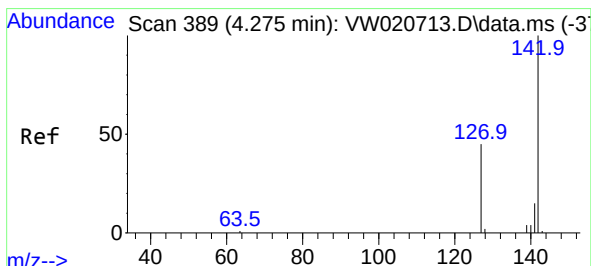
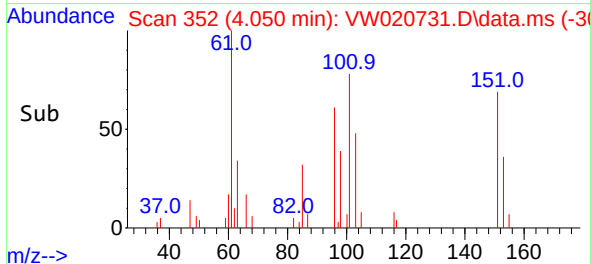
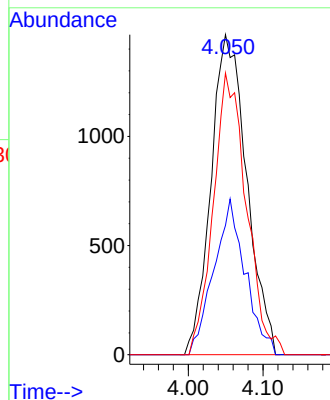
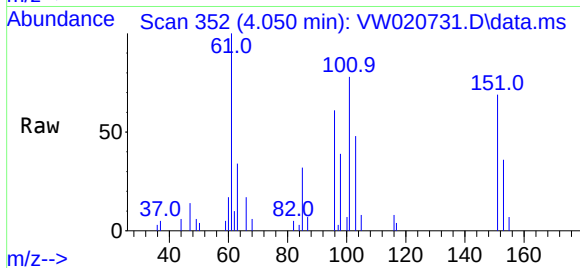
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.793 ug/l
RT: 4.050 min Scan# 352
Delta R.T. -0.012 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	101	Resp:	4870
Ion	Ratio	Lower	Upper
101	100		
85	42.8	35.3	52.9
151	81.5	63.8	95.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

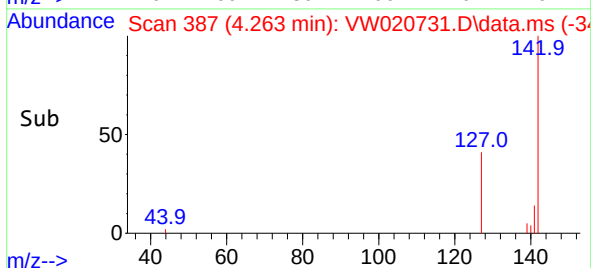
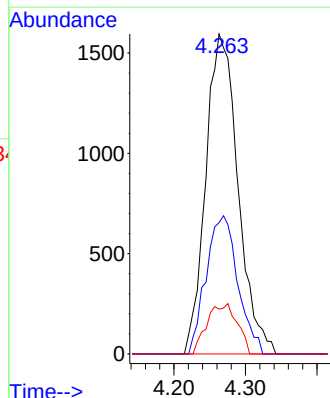
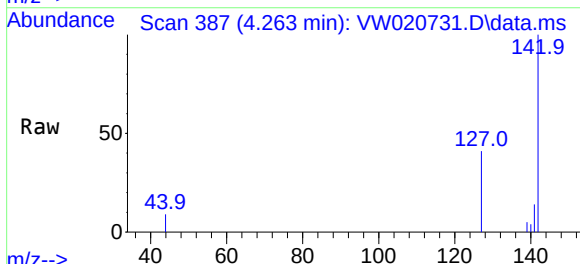
Manual Integrations
APPROVED

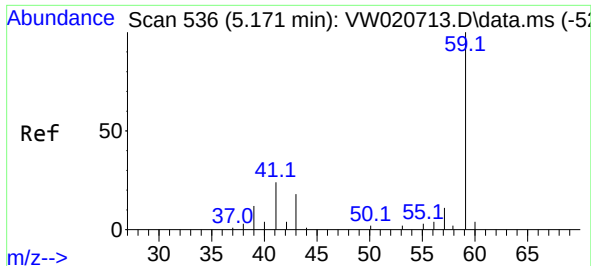
MMDadoda
11/1/2021 6:28:15 PM



#10
Methyl Iodide
Concen: 5.273 ug/l
RT: 4.263 min Scan# 387
Delta R.T. -0.012 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	142	Resp:	4994
Ion	Ratio	Lower	Upper
142	100		
127	42.4	36.3	54.5
141	14.6	12.1	18.1





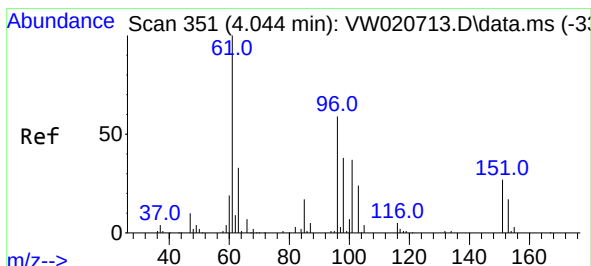
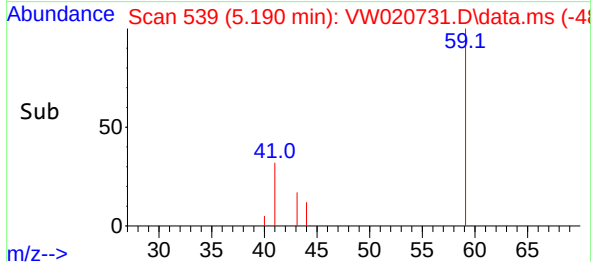
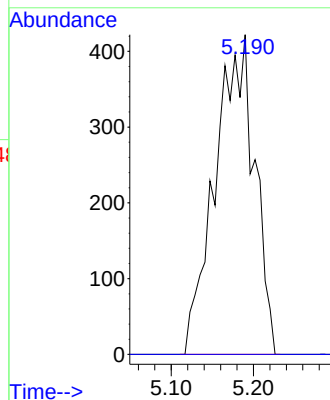
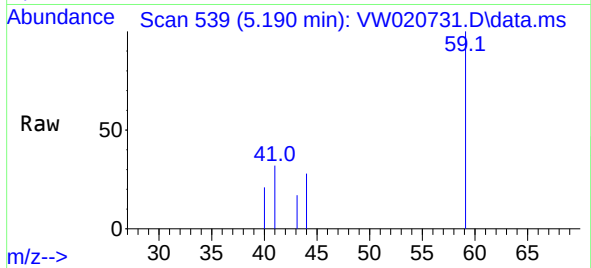
#11
Tert butyl alcohol
Concen: 25.760 ug/l
RT: 5.190 min Scan# 539
Delta R.T. 0.018 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 59 Resp: 1405
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

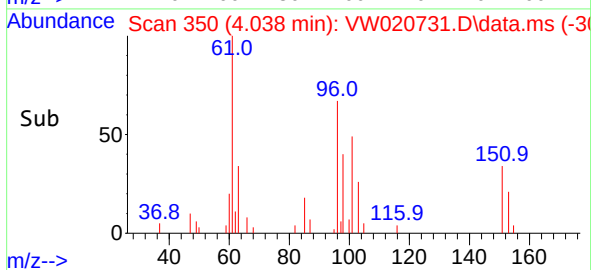
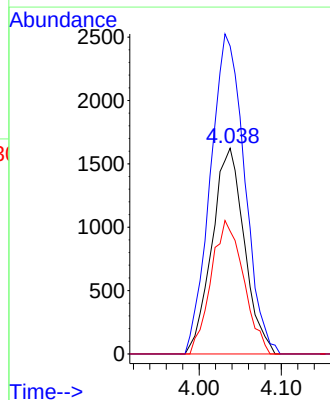
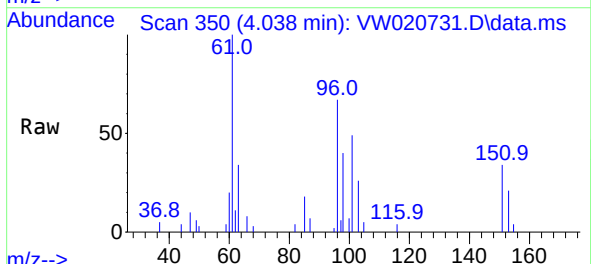
Manual Integrations
APPROVED

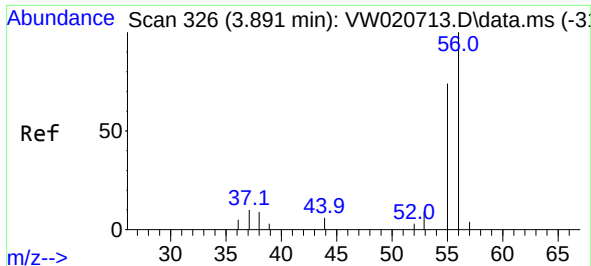
MMDadoda
11/1/2021 6:28:15 PM



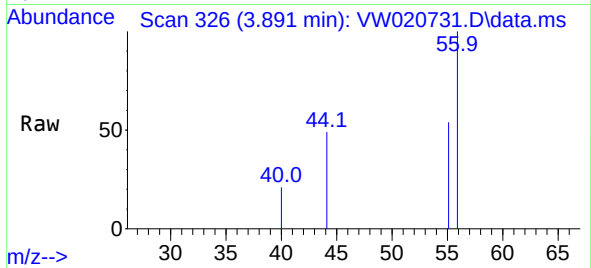
#12
1,1-Dichloroethene
Concen: 5.417 ug/l
RT: 4.038 min Scan# 350
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 96 Resp: 4439
Ion Ratio Lower Upper
96 100
61 149.6 136.6 205.0
98 59.7 52.2 78.4

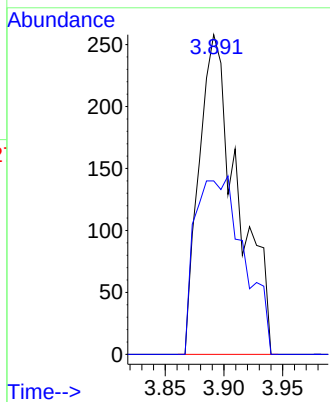
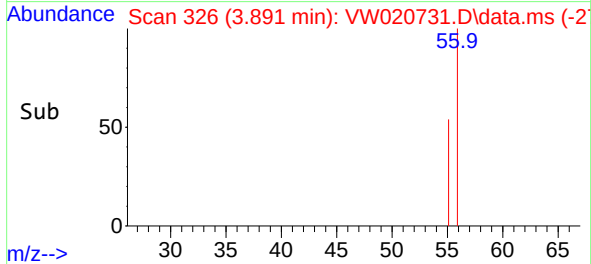




#13
Acrolein
Concen: 24.730 ug/l
RT: 3.891 min Scan# 326
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



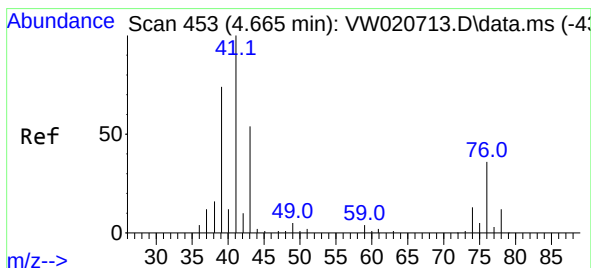
Tgt Ion: 56 Resp: 593
Ion Ratio Lower Upper
56 100
55 70.0 58.2 87.4



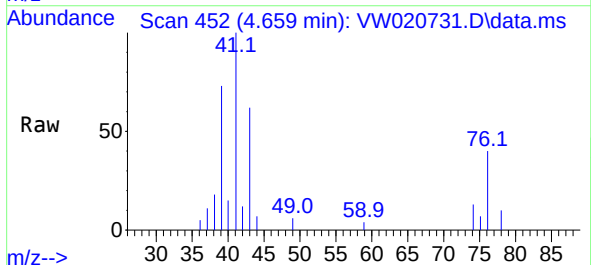
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

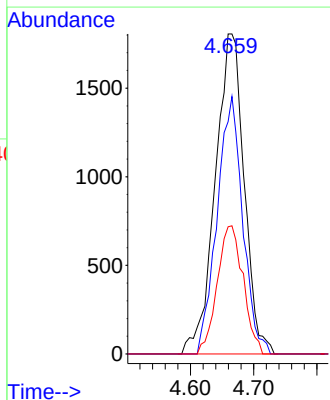
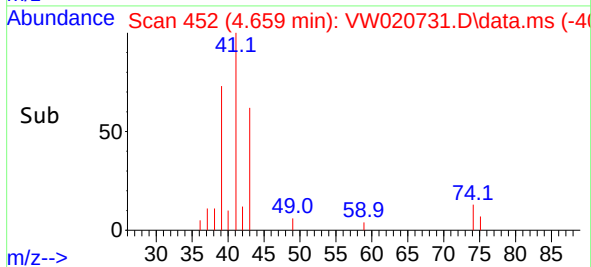
MMDadoda
11/1/2021 6:28:15 PM

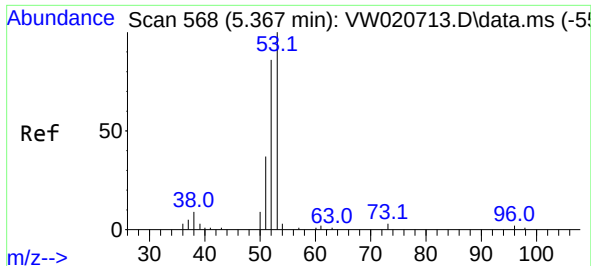


#14
Allyl chloride
Concen: 4.548 ug/l
RT: 4.659 min Scan# 452
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

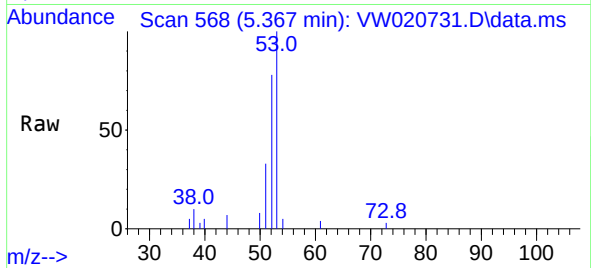


Tgt Ion: 41 Resp: 5732
Ion Ratio Lower Upper
41 100
39 71.2 57.1 85.7
76 35.9 27.9 41.9

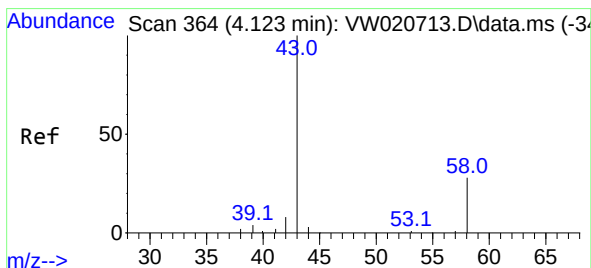
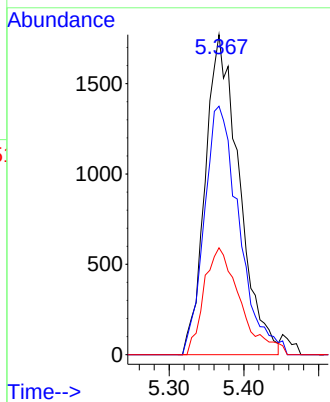
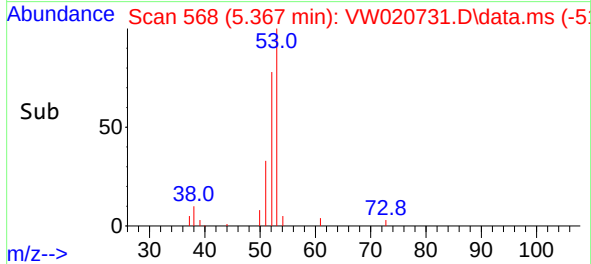




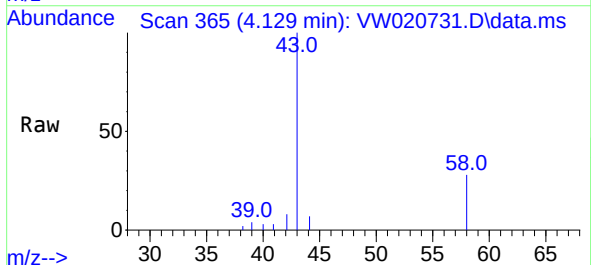
#15
Acrylonitrile
Concen: 27.975 ug/l
RT: 5.367 min Scan# 568
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



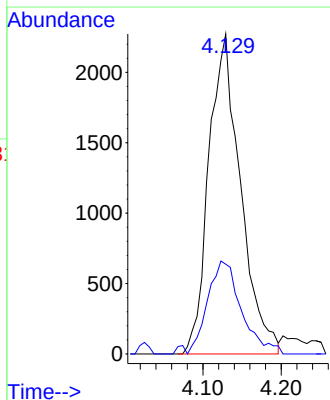
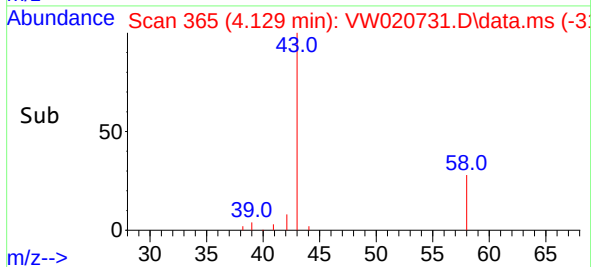
Tgt Ion:	53	Resp:	5572
Ion	Ratio	Lower	Upper
53	100		
52	80.2	67.7	101.5
51	35.8	29.8	44.8



#16
Acetone
Concen: 27.921 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



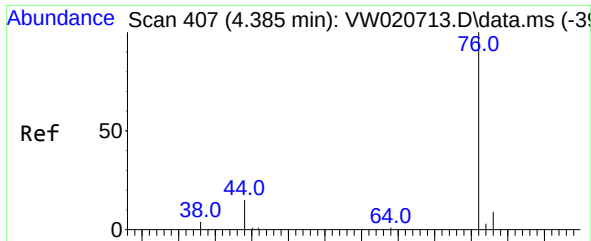
Tgt Ion:	43	Resp:	6402
Ion	Ratio	Lower	Upper
43	100		
58	25.8	23.2	34.8



Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

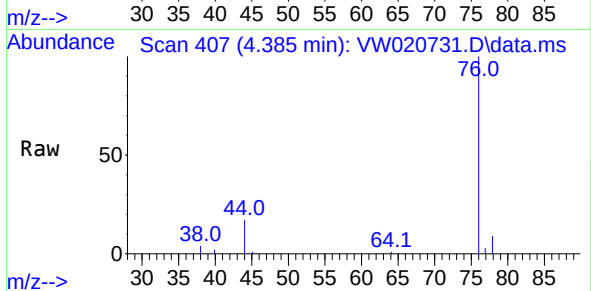
Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM

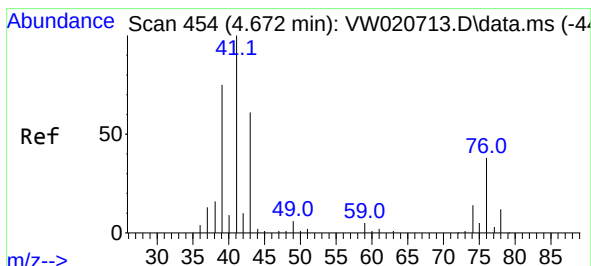
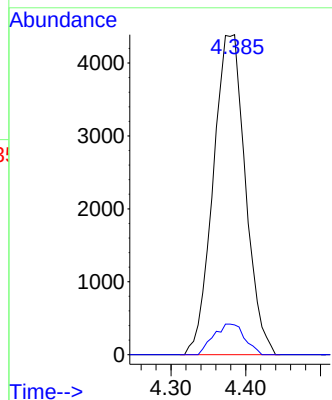
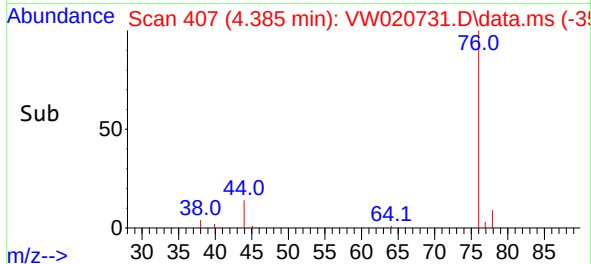


#17
Carbon Disulfide
Concen: 5.799 ug/l
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

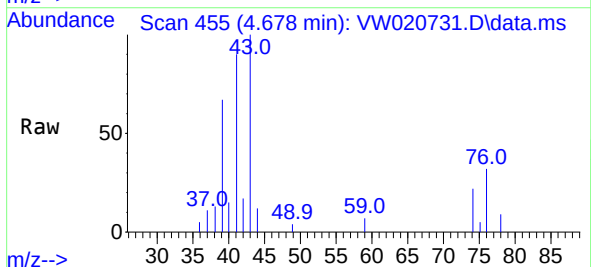
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



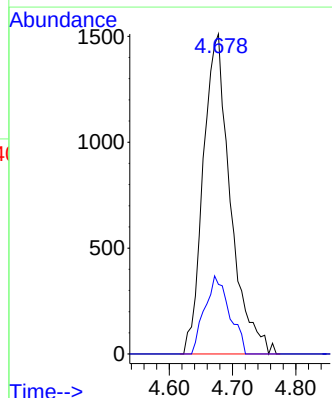
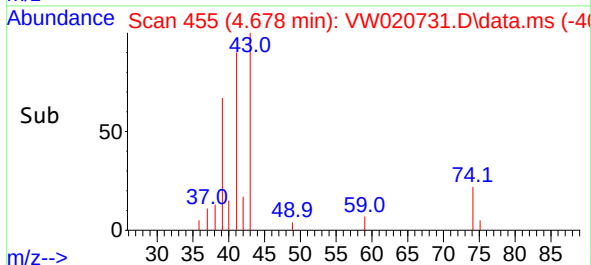
Tgt Ion: 76 Resp: 13154
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

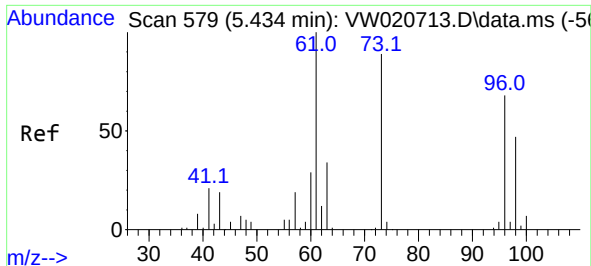


#18
Methyl Acetate
Concen: 6.158 ug/l
RT: 4.678 min Scan# 455
Delta R.T. 0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 43 Resp: 4513
Ion Ratio Lower Upper
43 100
74 22.1 18.8 28.2





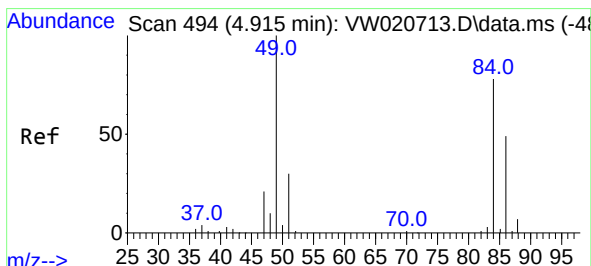
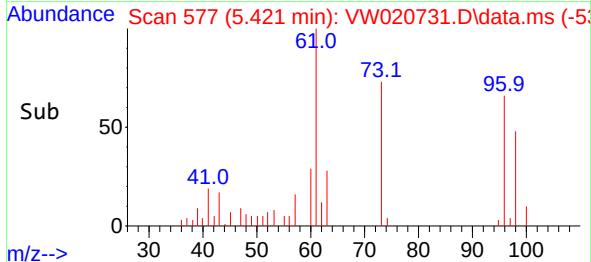
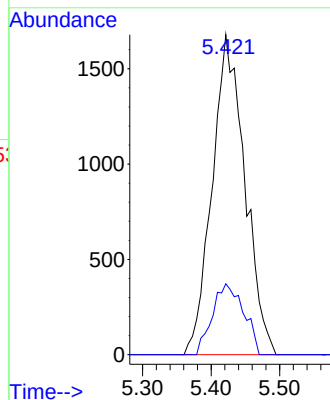
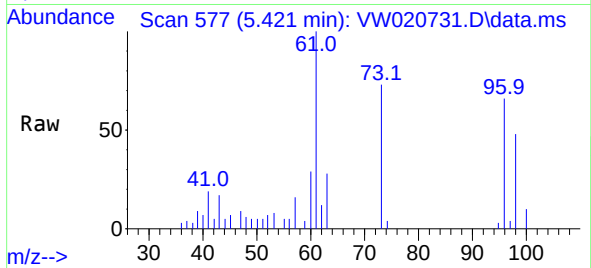
#19
Methyl tert-butyl Ether
Concen: 4.955 ug/l
RT: 5.421 min Scan# 577
Delta R.T. -0.012 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 73 Resp: 5564
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

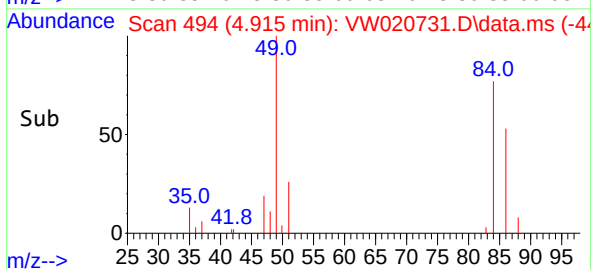
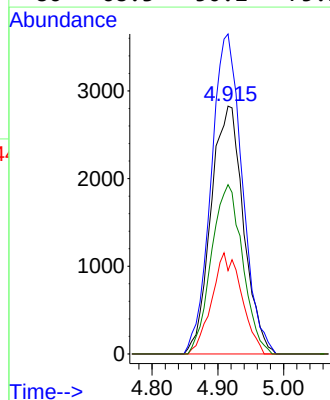
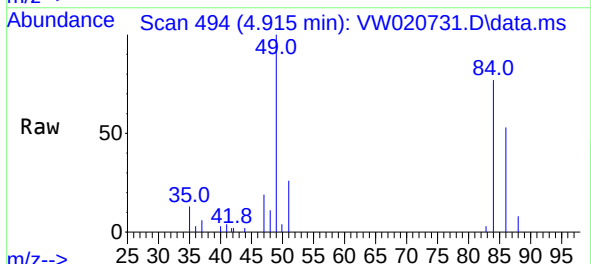
Manual Integrations
APPROVED

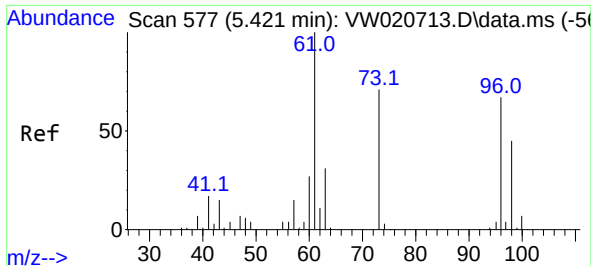
MMDadoda
11/1/2021 6:28:15 PM



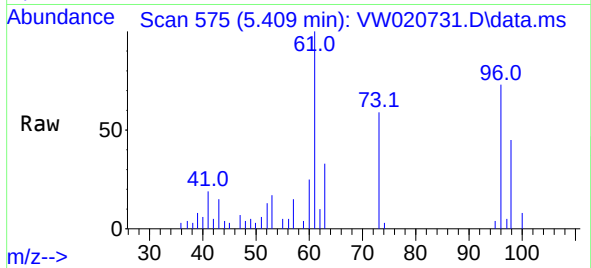
#20
Methylene Chloride
Concen: 8.900 ug/l
RT: 4.915 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 84 Resp: 9687
Ion Ratio Lower Upper
84 100
49 129.1 102.0 153.0
51 33.6 30.6 45.8
86 68.3 50.2 75.2



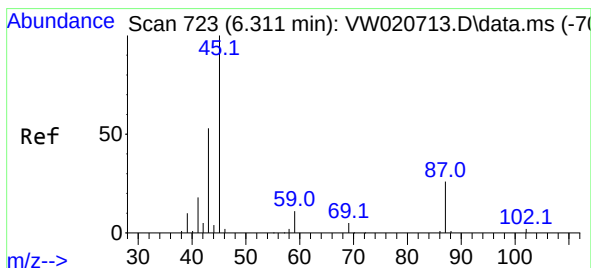
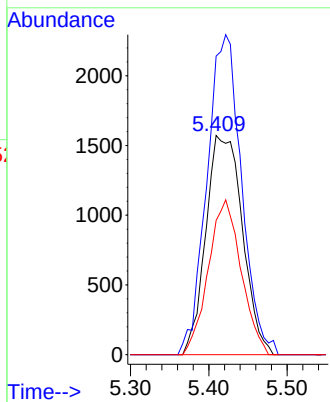
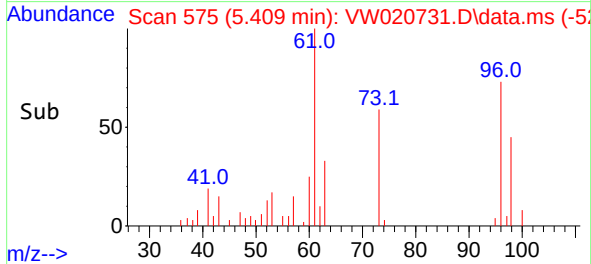


#21
trans-1,2-Dichloroethene
Concen: 5.562 ug/l
RT: 5.409 min Scan# 575
Delta R.T. -0.012 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

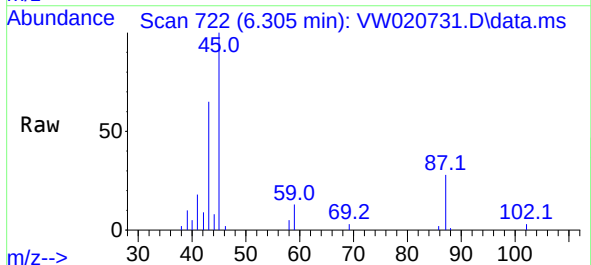


Tgt Ion: 96 Resp: 5098

Ion	Ratio	Lower	Upper
96	100		
61	136.2	119.0	178.6
98	61.3	53.7	80.5

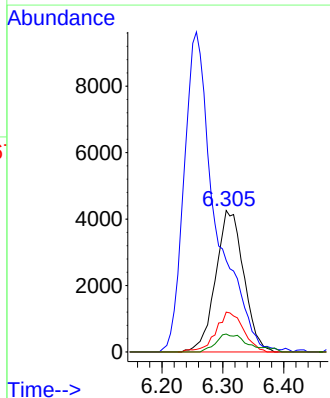
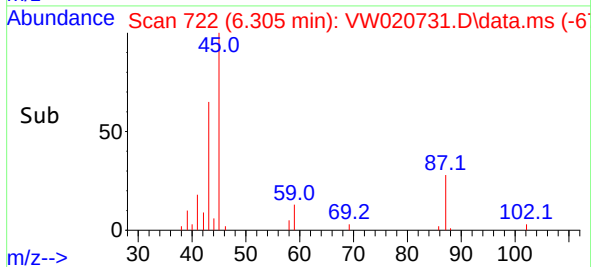


#22
Diisopropyl ether
Concen: 5.165 ug/l
RT: 6.305 min Scan# 722
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 45 Resp: 13577

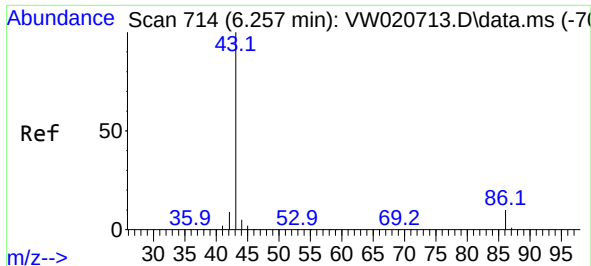
Ion	Ratio	Lower	Upper
45	100		
43	63.1	43.8	65.6
87	28.1	21.6	32.4
59	12.7	9.4	14.0



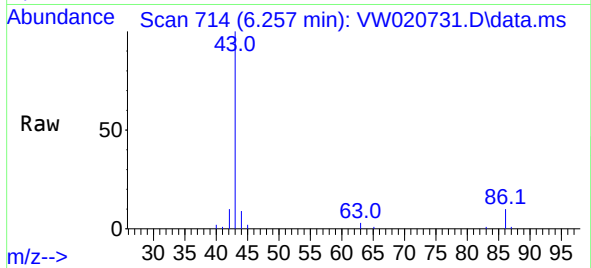
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

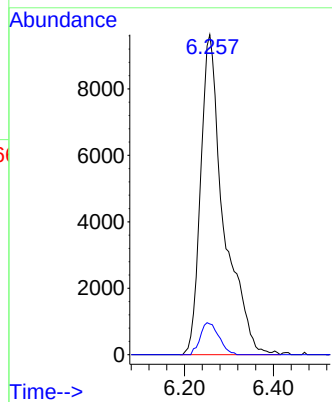
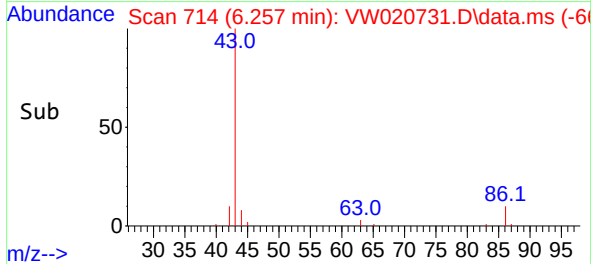
MMDadoda
11/1/2021 6:28:15 PM



#23
 Vinyl Acetate
 Concen: 24.330 ug/l
 RT: 6.257 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: VW020731.D
 Acq: 29 Oct 2021 17:21



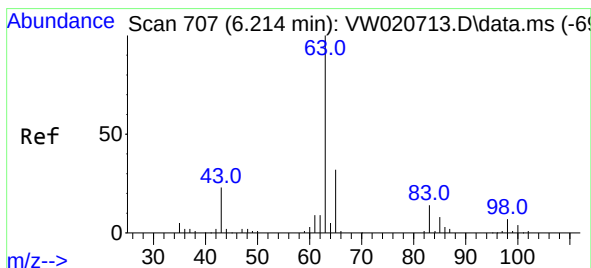
Tgt Ion: 43 Resp: 34805
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.1 12.1



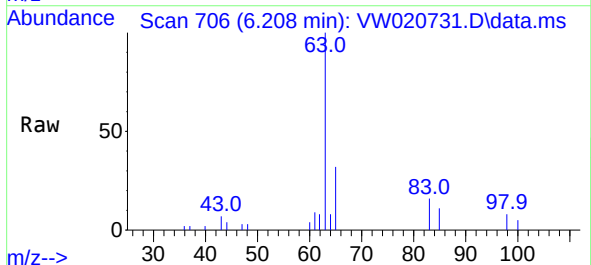
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

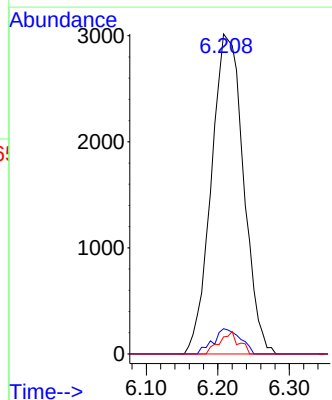
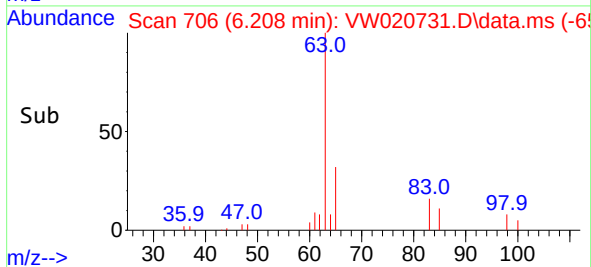
MMDadoda
 11/1/2021 6:28:15 PM

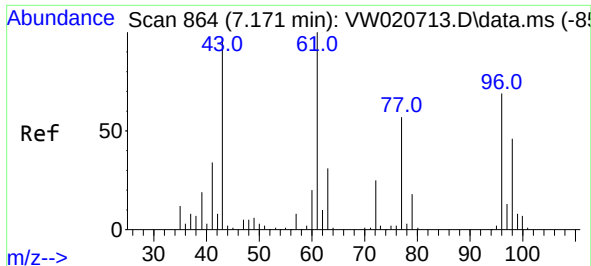


#24
 1,1-Dichloroethane
 Concen: 5.600 ug/l
 RT: 6.208 min Scan# 706
 Delta R.T. -0.006 min
 Lab File: VW020731.D
 Acq: 29 Oct 2021 17:21



Tgt Ion: 63 Resp: 9436
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.5 10.6
 100 5.3 2.1 6.5





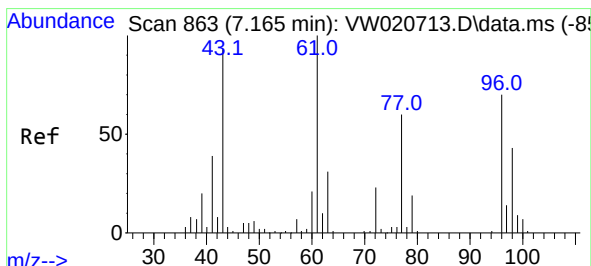
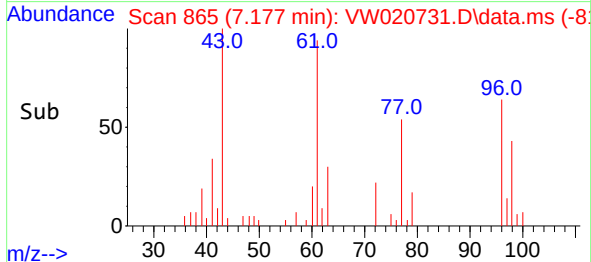
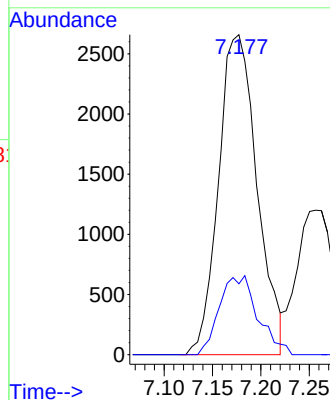
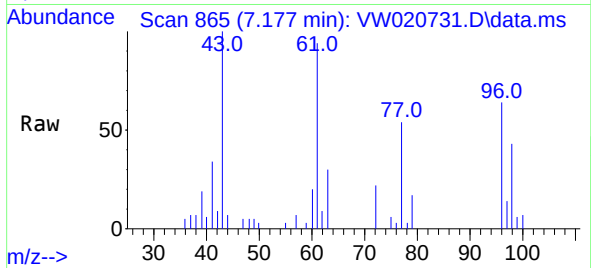
#25
2-Butanone
Concen: 26.722 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 43 Resp: 7367
Ion Ratio Lower Upper
43 100
72 22.2 20.4 30.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

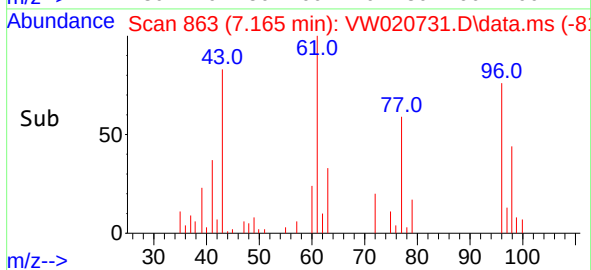
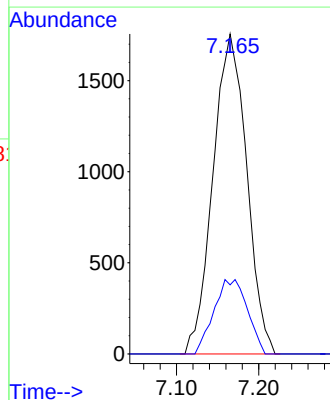
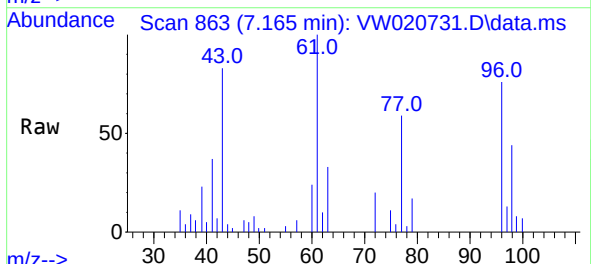
Manual Integrations
APPROVED

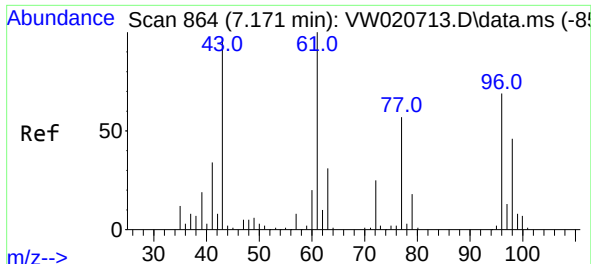
MMDadoda
11/1/2021 6:28:15 PM



#26
2,2-Dichloropropane
Concen: 5.338 ug/l
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 77 Resp: 5005
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 5.609 ug/l

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW020731.D

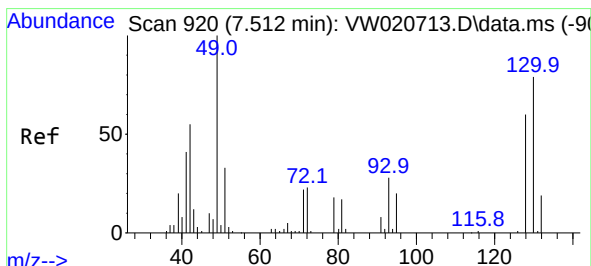
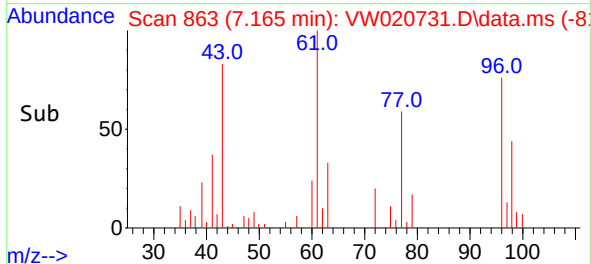
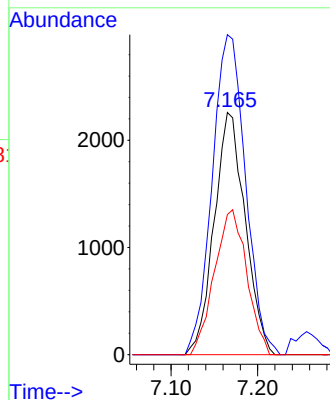
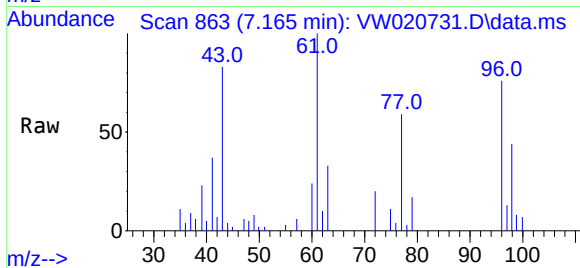
Acq: 29 Oct 2021 17:21

Tgt Ion:	96	Resp:	5623
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	288.8
98	62.2	0.0	129.2

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM



#28

Bromochloromethane

Concen: 5.985 ug/l

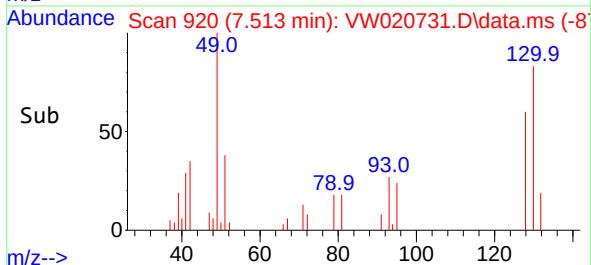
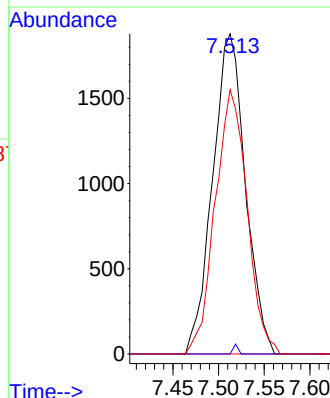
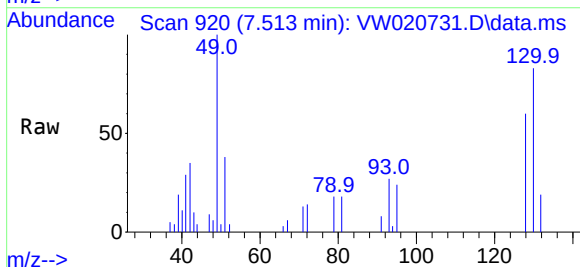
RT: 7.513 min Scan# 920

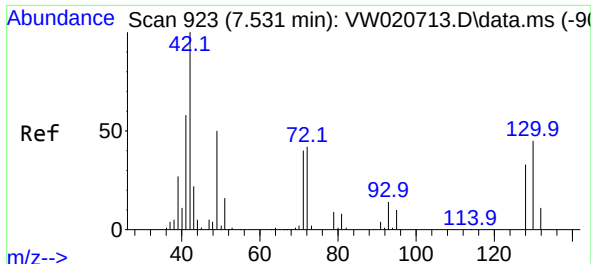
Delta R.T. 0.000 min

Lab File: VW020731.D

Acq: 29 Oct 2021 17:21

Tgt Ion:	49	Resp:	4686
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	0.0#
130	80.5	63.7	95.5





#29

Tetrahydrofuran

Concen: 26.125 ug/l

RT: 7.537 min Scan# 924

Delta R.T. 0.006 min

Lab File: VW020731.D

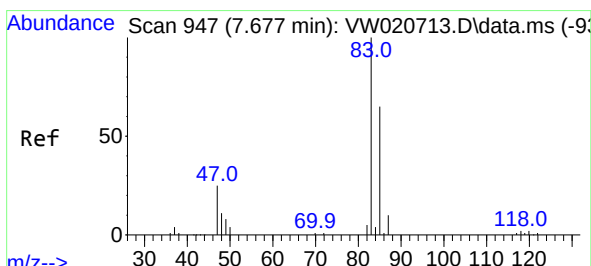
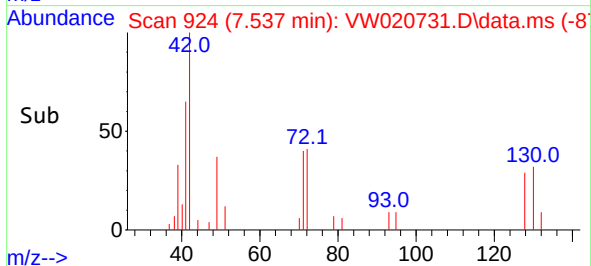
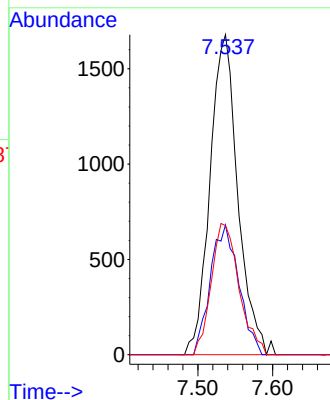
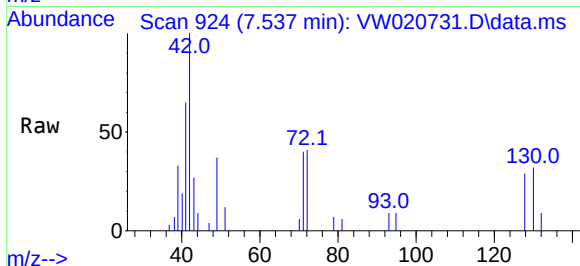
Acq: 29 Oct 2021 17:21

Tgt Ion:	42	Resp:	4358
Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.0	49.6
71	40.9	31.5	47.3

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM



#30

Chloroform

Concen: 5.617 ug/l

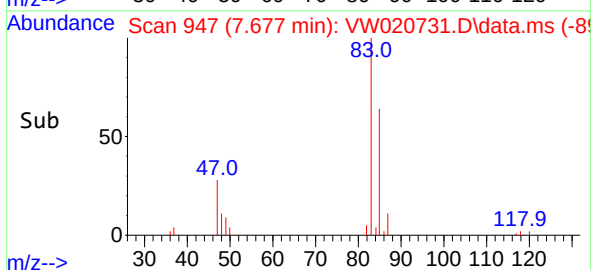
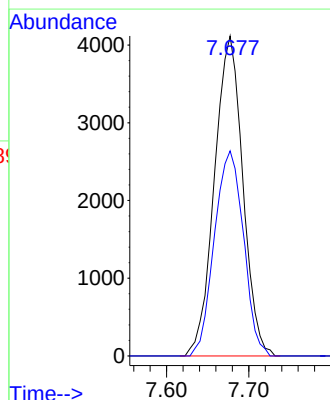
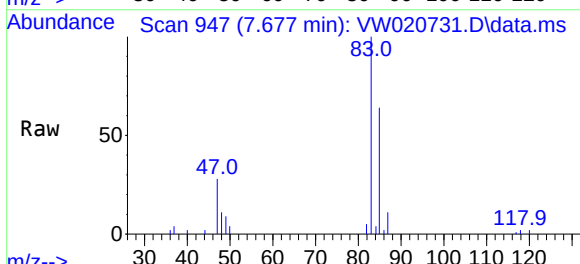
RT: 7.677 min Scan# 947

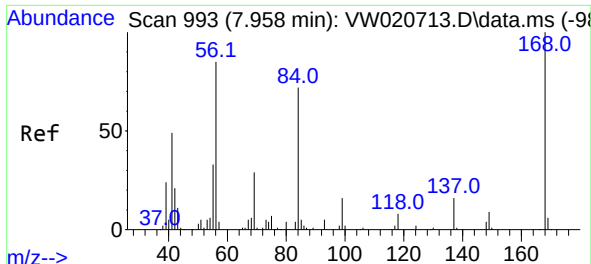
Delta R.T. 0.000 min

Lab File: VW020731.D

Acq: 29 Oct 2021 17:21

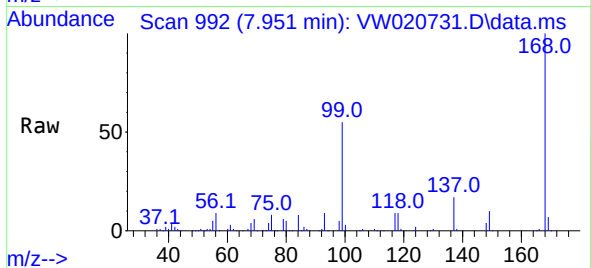
Tgt Ion:	83	Resp:	9881
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.6	77.4





#31
Cyclohexane
Concen: 6.074 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

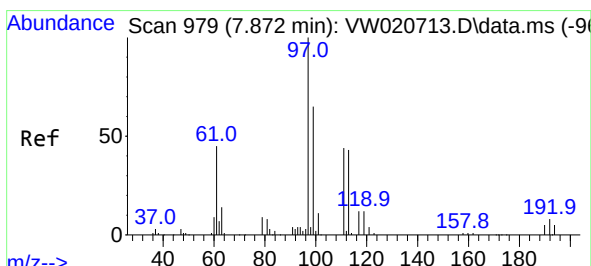
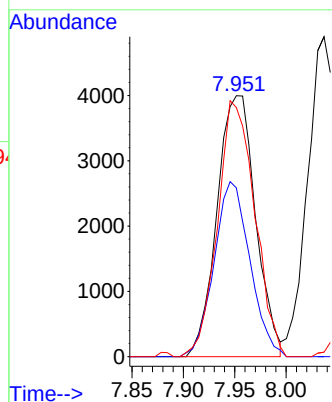
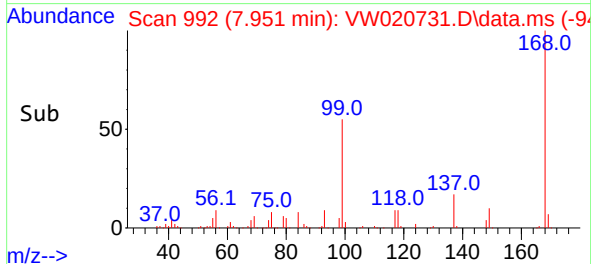
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



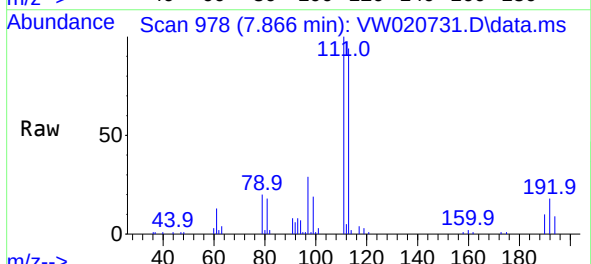
Tgt Ion: 56 Resp: 10431
Ion Ratio Lower Upper
56 100
69 64.7 26.9 40.3#
84 95.5 68.1 102.1

Manual Integrations
APPROVED

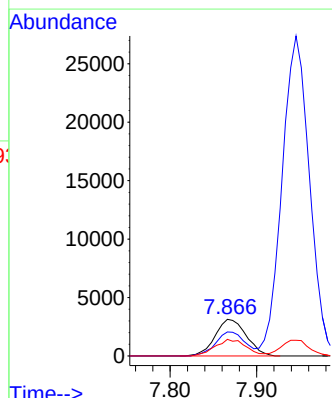
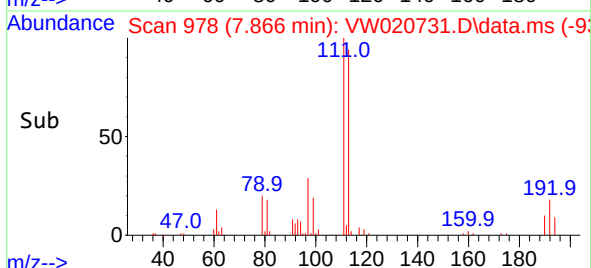
MMDadoda
11/1/2021 6:28:15 PM

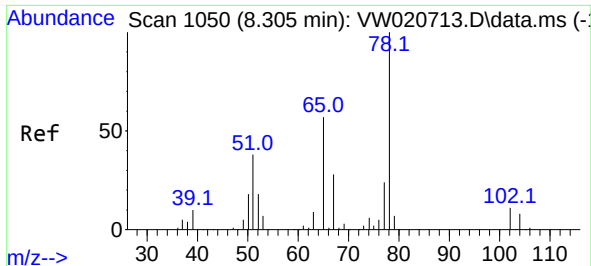


#32
1,1,1-Trichloroethane
Concen: 5.794 ug/l
RT: 7.866 min Scan# 978
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 97 Resp: 7804
Ion Ratio Lower Upper
97 100
99 61.6 51.9 77.9
61 45.2 36.5 54.7





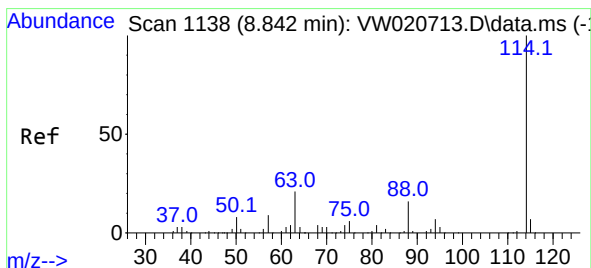
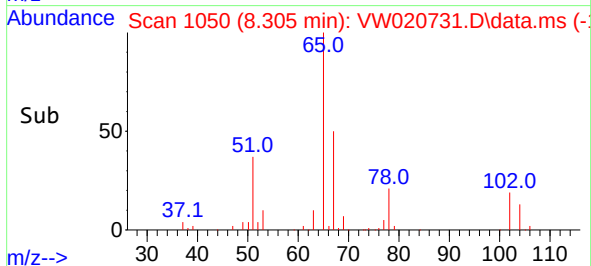
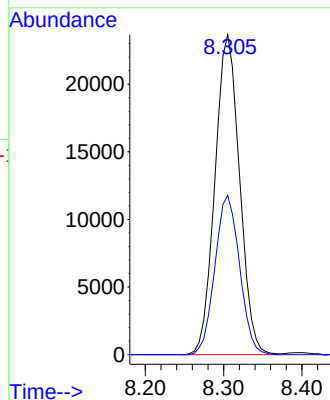
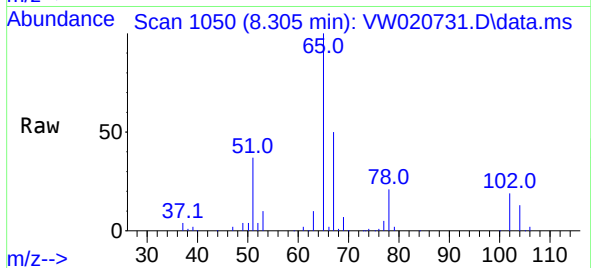
#33
1,2-Dichloroethane-d4
Concen: 50.532 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 65 Resp: 51787
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.8

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

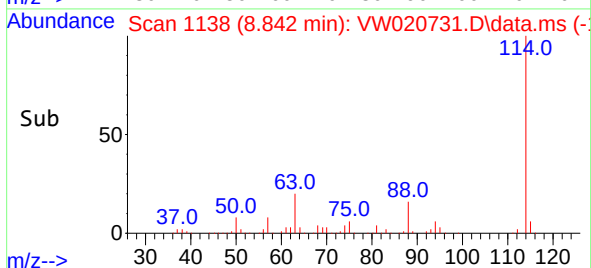
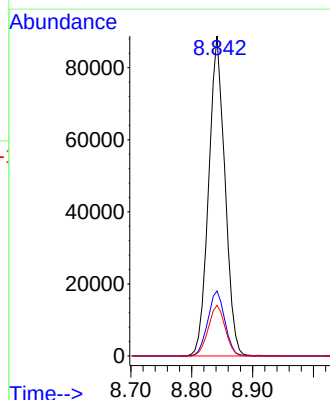
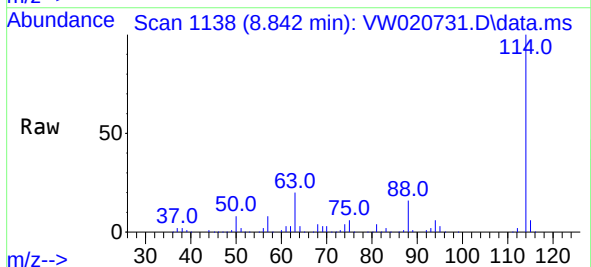
Manual Integrations
APPROVED

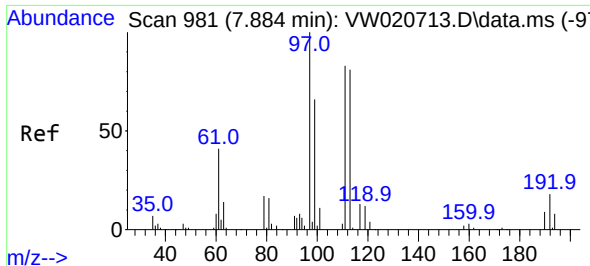
MMDadoda
11/1/2021 6:28:15 PM



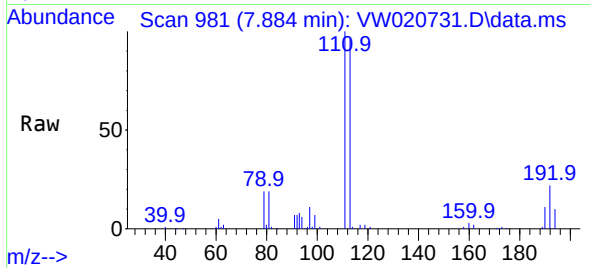
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 114 Resp: 164555
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.4
88 15.8 0.0 32.8



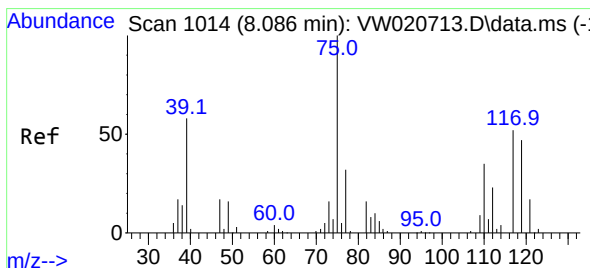
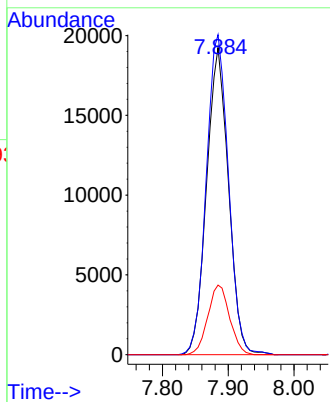
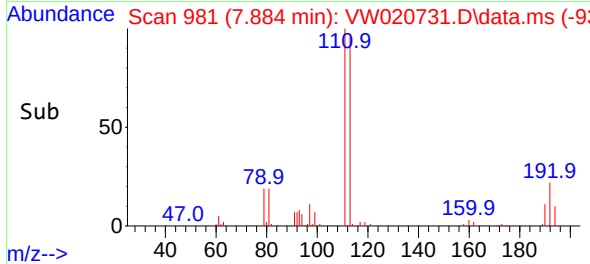


#35
Dibromofluoromethane
Concen: 46.083 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

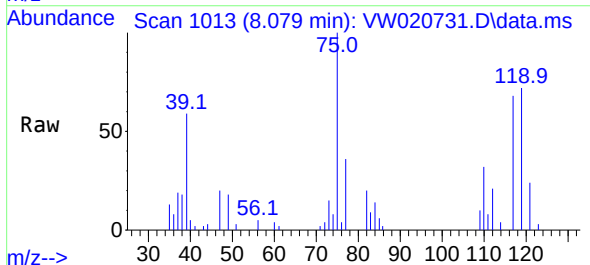


Tgt Ion: 113 Resp: 44485

Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.3	123.5
192	22.6	17.7	26.5

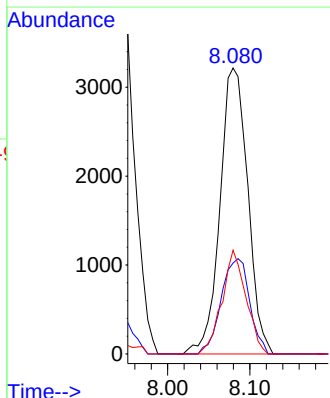
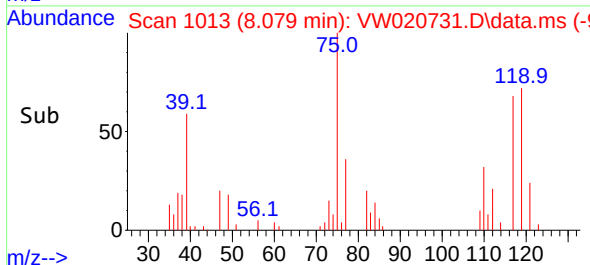


#36
1,1-Dichloropropene
Concen: 5.150 ug/l
RT: 8.079 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 75 Resp: 7560

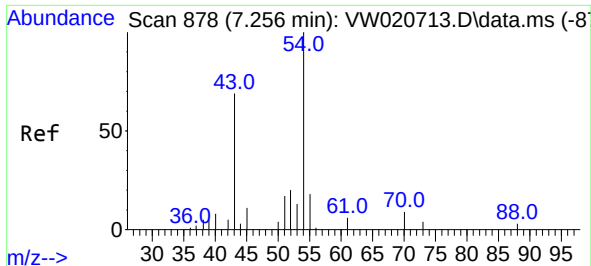
Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.3	52.0
77	31.4	24.8	37.2



Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM



#37

Ethyl Acetate

Concen: 5.691 ug/l

RT: 7.256 min Scan# 878

Delta R.T. 0.000 min

Lab File: VW020731.D

Acq: 29 Oct 2021 17:21

Tgt Ion:	43	Resp:	3565
Ion	Ratio	Lower	Upper
43	100		
61	11.7	11.0	16.4
70	8.3	8.6	13.0#

Instrument :

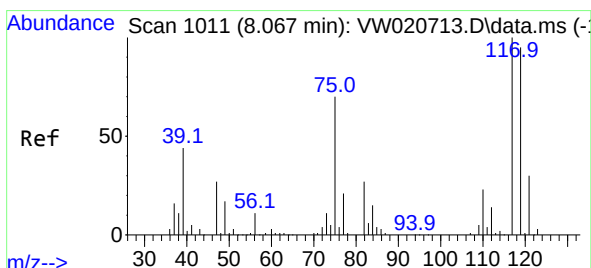
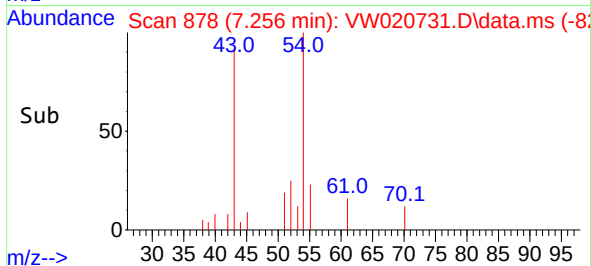
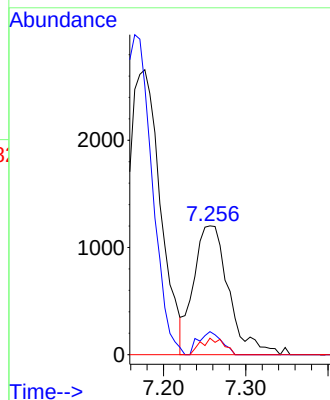
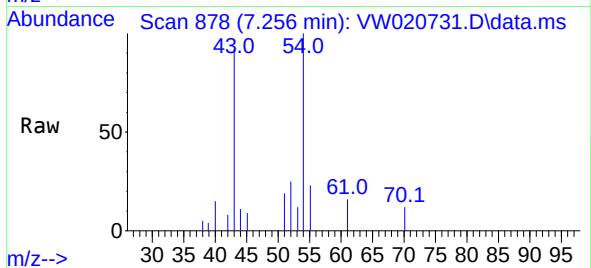
MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM



#38

Carbon Tetrachloride

Concen: 5.244 ug/l

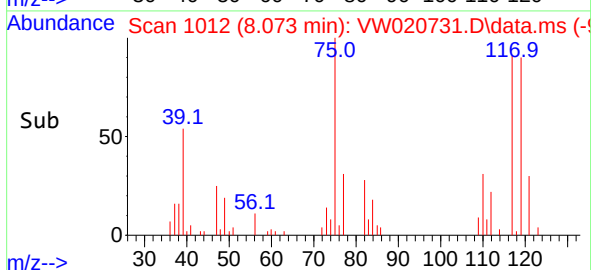
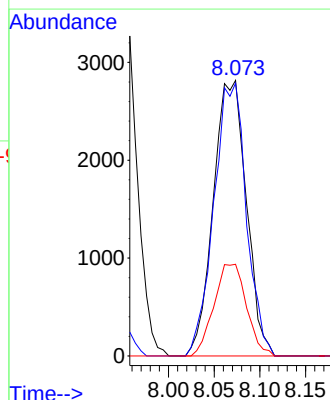
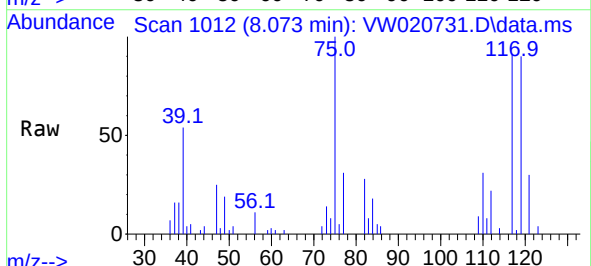
RT: 8.073 min Scan# 1012

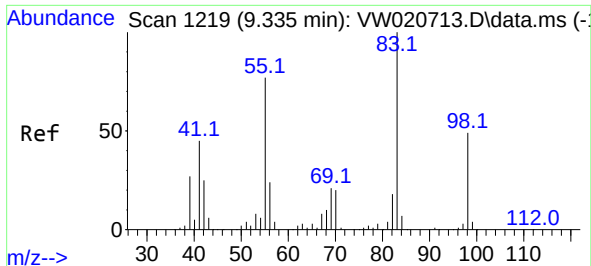
Delta R.T. 0.006 min

Lab File: VW020731.D

Acq: 29 Oct 2021 17:21

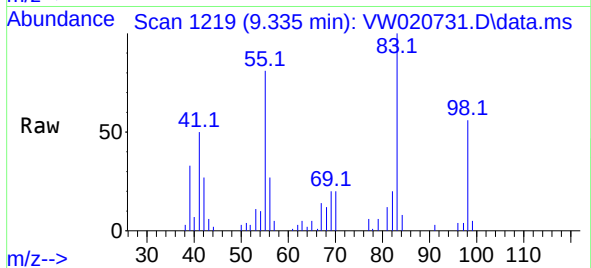
Tgt Ion:	117	Resp:	7090
Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.1	114.1
121	33.3	24.2	36.4





#39
Methylcyclohexane
Concen: 4.673 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

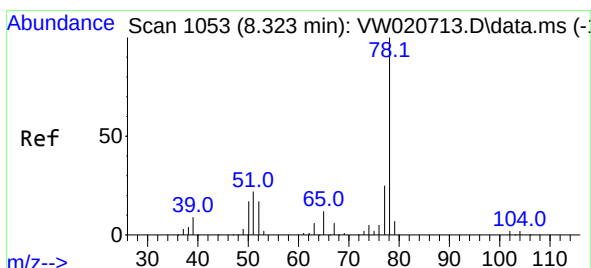
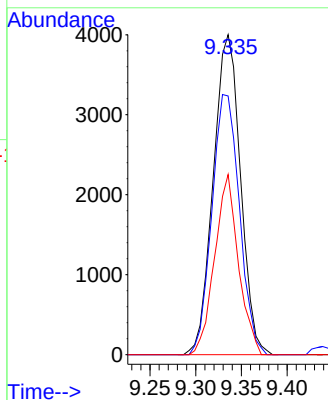
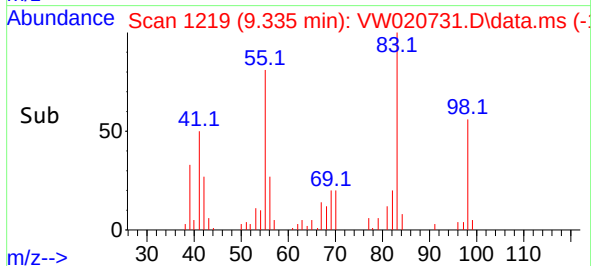
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



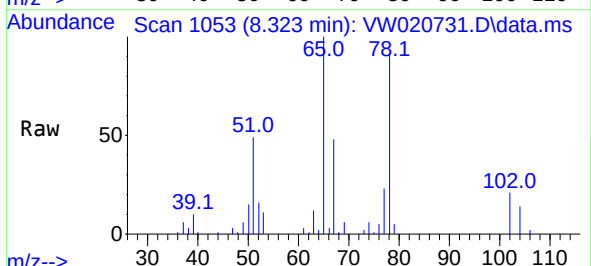
Tgt Ion: 83 Resp: 8289
Ion Ratio Lower Upper
83 100
55 80.9 61.6 92.4
98 56.3 39.0 58.6

Manual Integrations
APPROVED

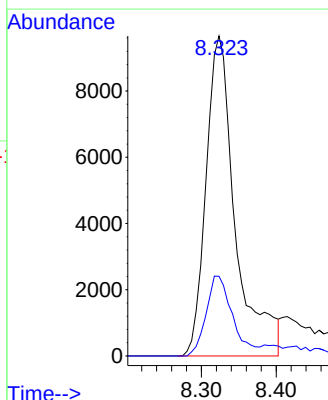
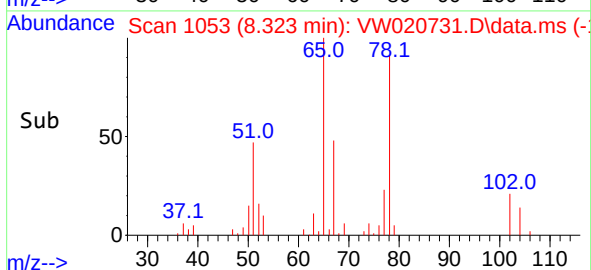
MMDadoda
11/1/2021 6:28:15 PM

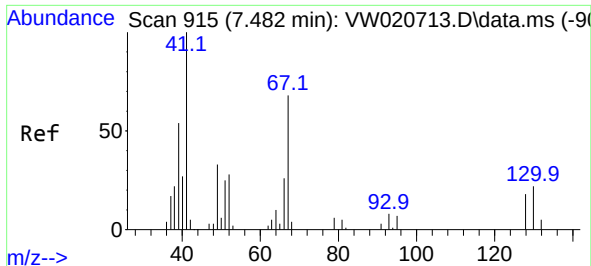


#40
Benzene
Concen: 6.249 ug/l
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

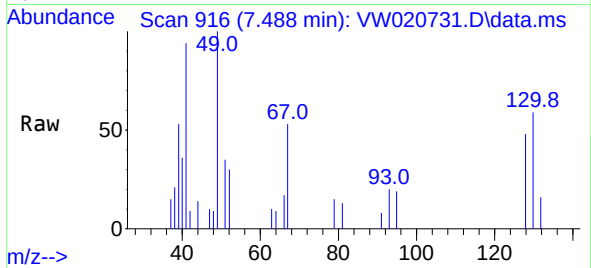


Tgt Ion: 78 Resp: 26326
Ion Ratio Lower Upper
78 100
77 24.9 19.6 29.4



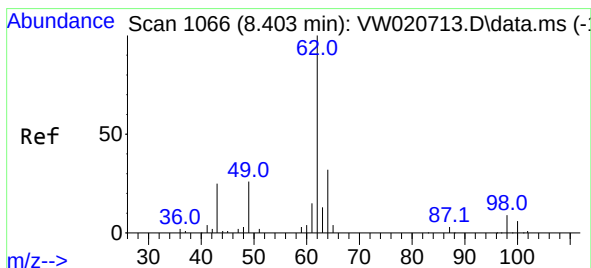
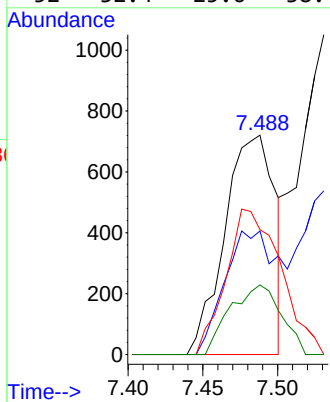
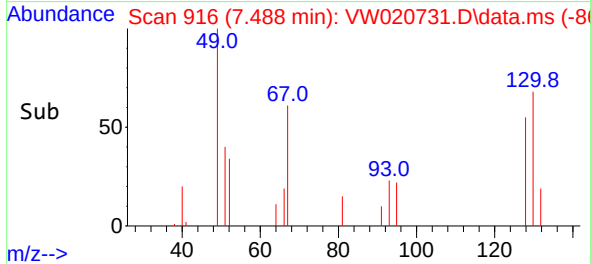


#41
Methacrylonitrile
Concen: 4.553 ug/l
RT: 7.488 min Scan# 916
Delta R.T. 0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

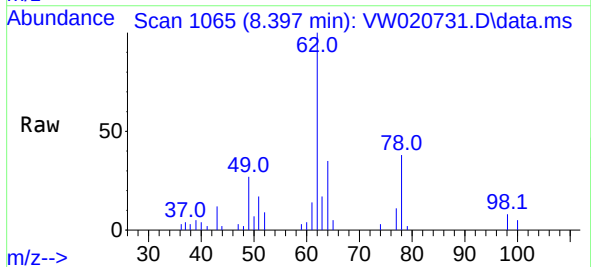


Tgt Ion: 41 Resp: 1678

Ion	Ratio	Lower	Upper
41	100		
39	61.9	49.4	74.2
67	72.4	58.9	88.3
52	32.4	25.6	38.4

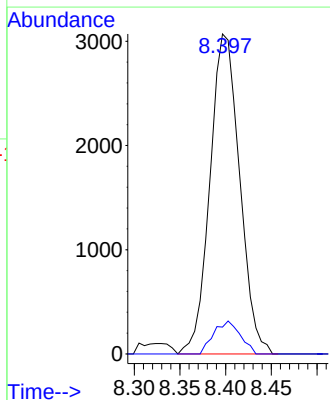
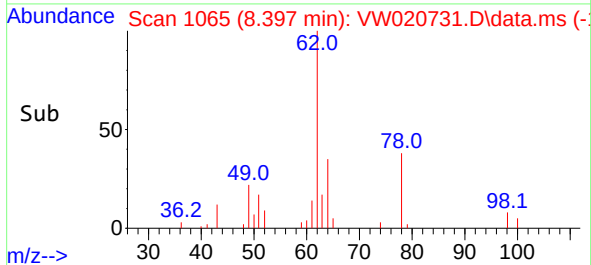


#42
1,2-Dichloroethane
Concen: 5.362 ug/l
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 62 Resp: 6943

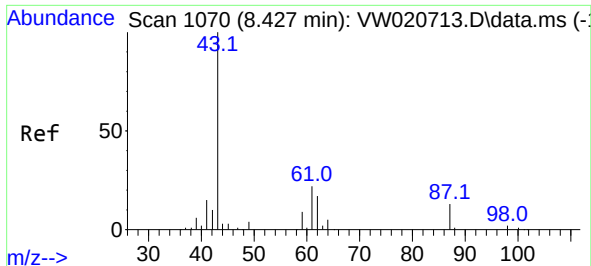
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8



Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM



#43
Isopropyl Acetate
Concen: 5.369 ug/l
RT: 8.427 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

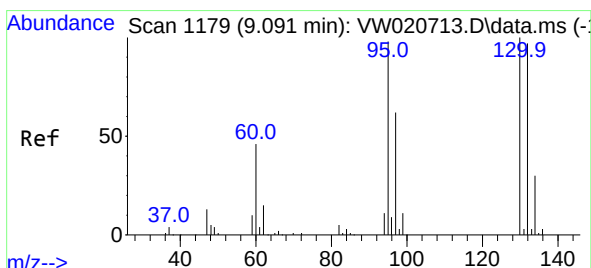
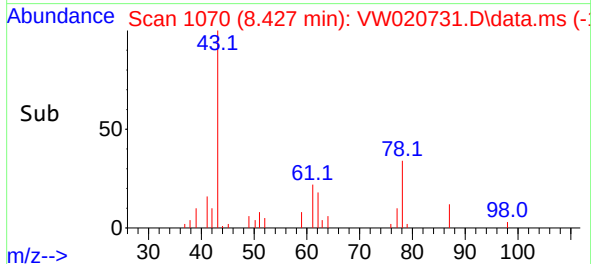
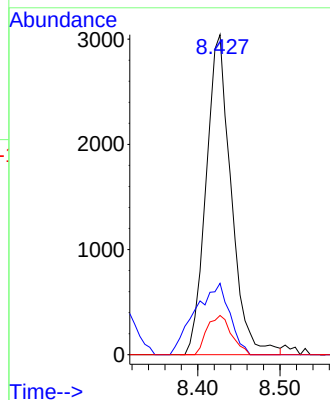
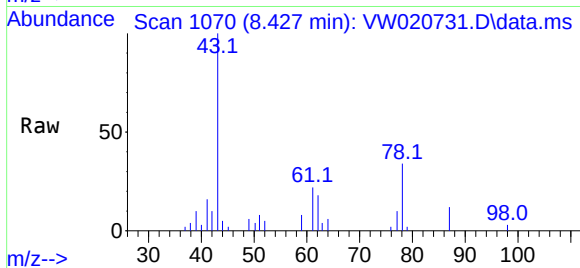
Tgt Ion: 43 Resp: 6442

Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.1	36.1
87	12.0	10.5	15.7

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

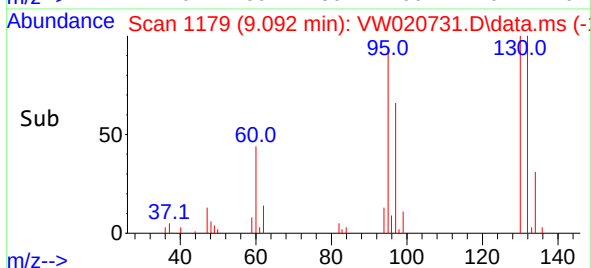
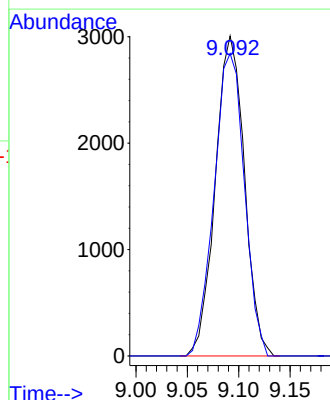
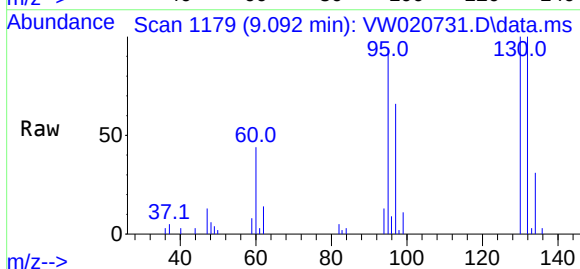
MMDadoda
11/1/2021 6:28:15 PM

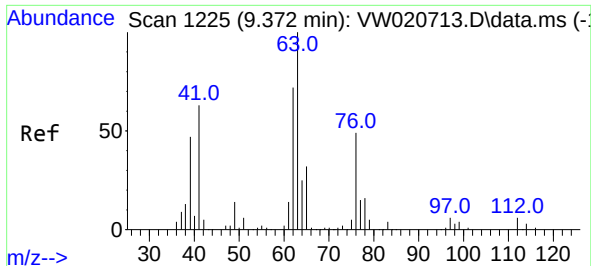


#44
Trichloroethene
Concen: 5.343 ug/l
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 130 Resp: 5914

Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	196.2





#45

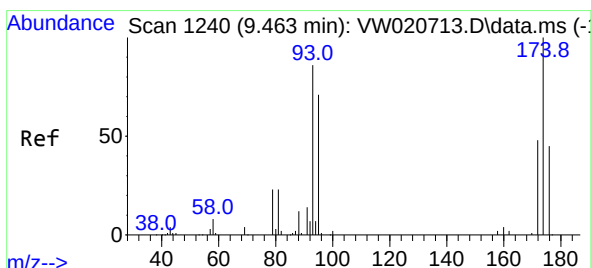
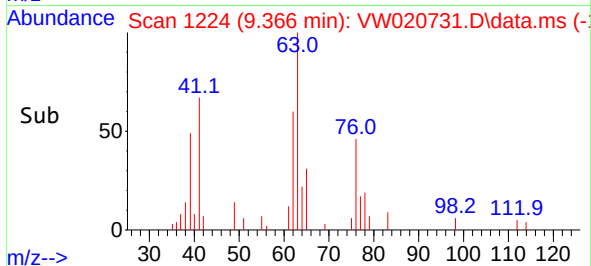
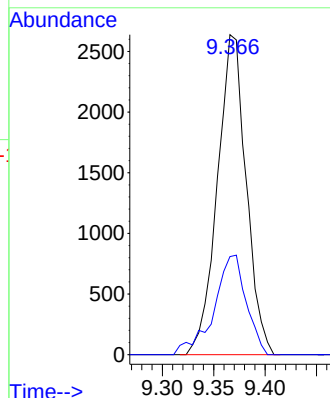
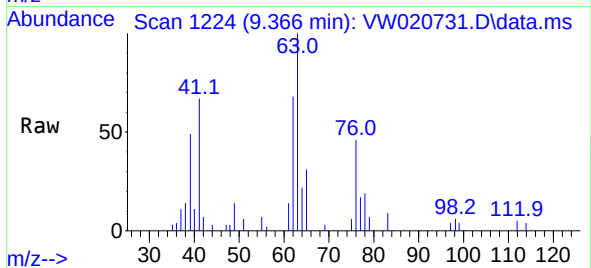
1,2-Dichloropropane
Concen: 5.172 ug/l
RT: 9.366 min Scan# 1224
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 63 Resp: 5140
Ion Ratio Lower Upper
63 100
65 30.7 25.2 37.8

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

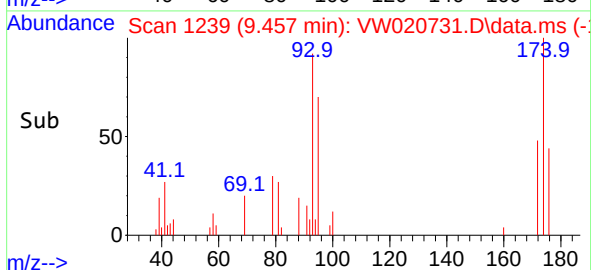
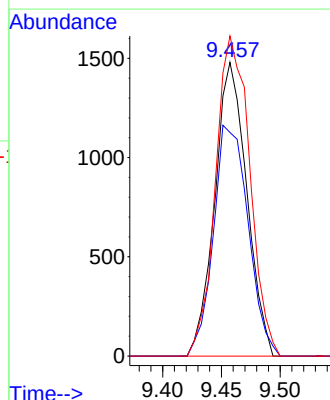
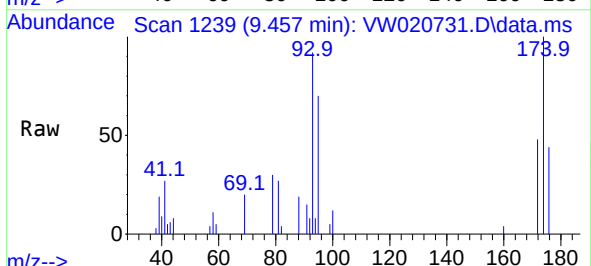
MMDadoda
11/1/2021 6:28:15 PM

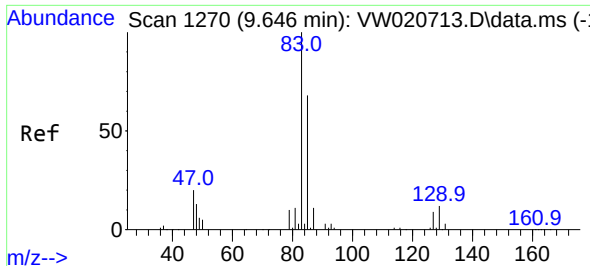


#46

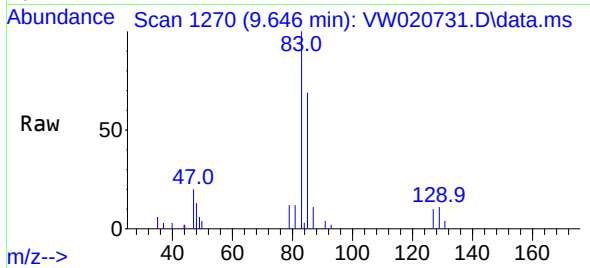
Dibromomethane
Concen: 5.196 ug/l
RT: 9.457 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 93 Resp: 2806
Ion Ratio Lower Upper
93 100
95 85.1 66.7 100.1
174 116.1 90.4 135.6



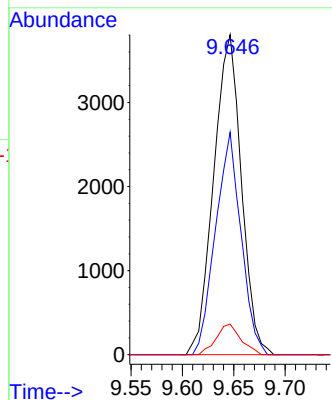


#47
Bromodichloromethane
Concen: 5.198 ug/l
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 83 Resp: 7125

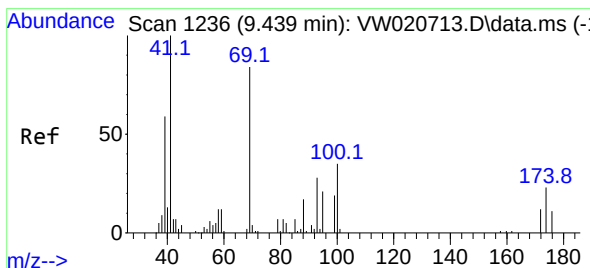
Ion	Ratio	Lower	Upper
83	100		
85	69.5	54.0	81.0
127	9.6	7.0	10.6



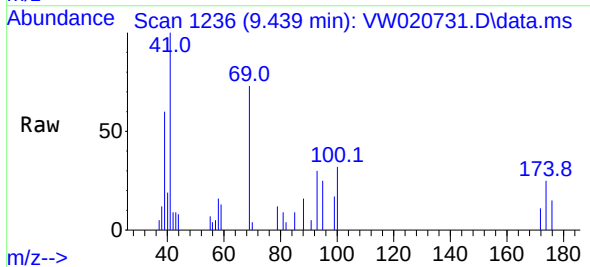
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM

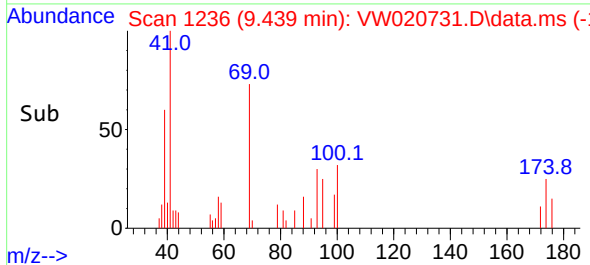
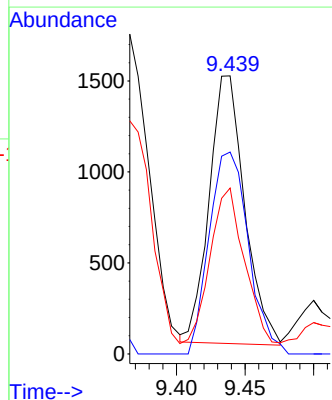


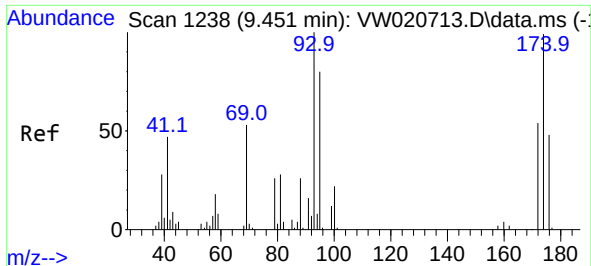
#48
Methyl methacrylate
Concen: 4.508 ug/l
RT: 9.439 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 41 Resp: 2649

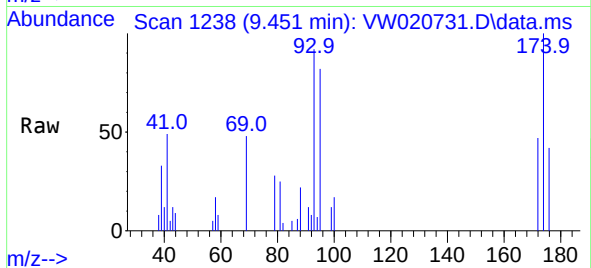
Ion	Ratio	Lower	Upper
41	100		
69	83.5	67.4	101.0
39	58.4	47.2	70.8





#49
1,4-Dioxane
Concen: 90.937 ug/l
RT: 9.451 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

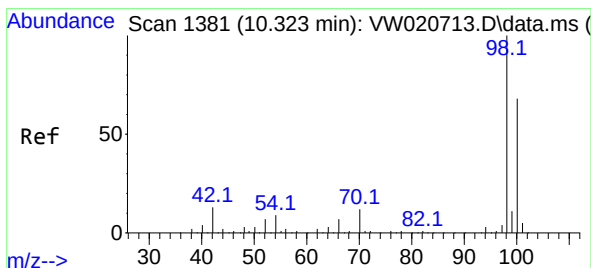
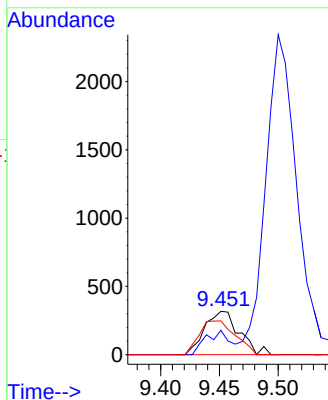
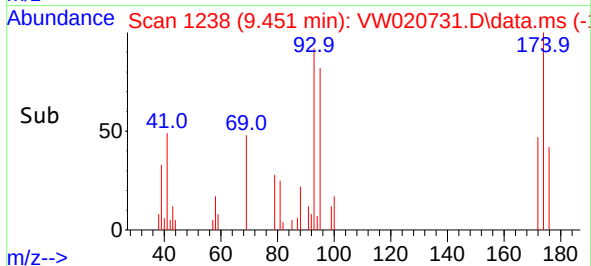
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



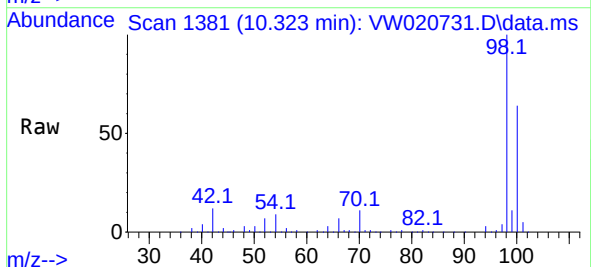
Tgt Ion: 88 Resp: 651
Ion Ratio Lower Upper
88 100
43 38.7 29.1 43.7
58 81.3 58.6 88.0

Manual Integrations
APPROVED

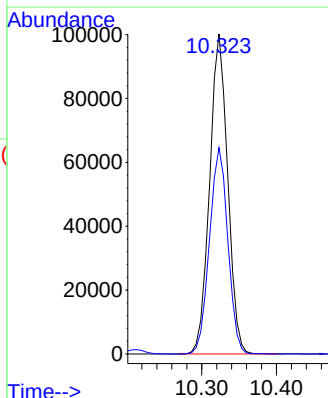
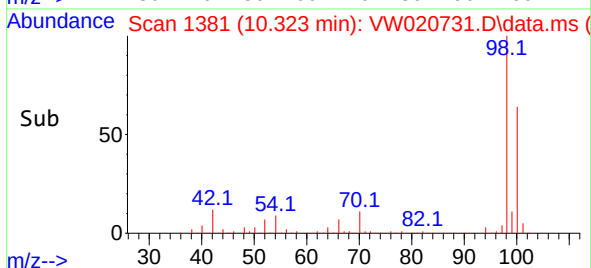
MMDadoda
11/1/2021 6:28:15 PM

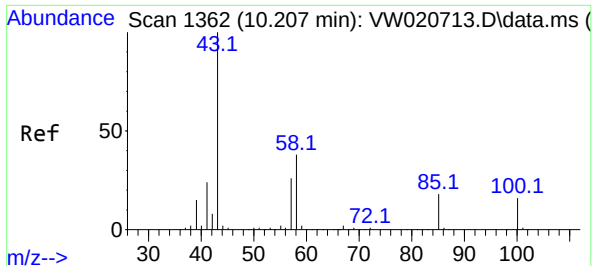


#50
Toluene-d8
Concen: 46.447 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion: 98 Resp: 168259
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4





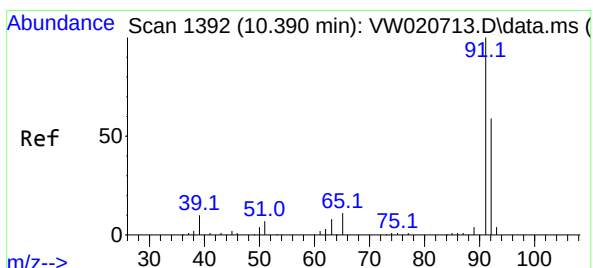
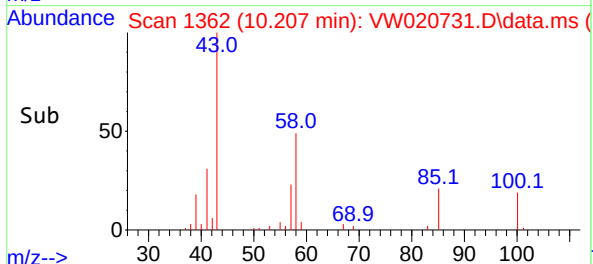
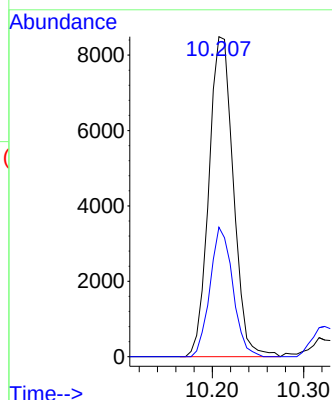
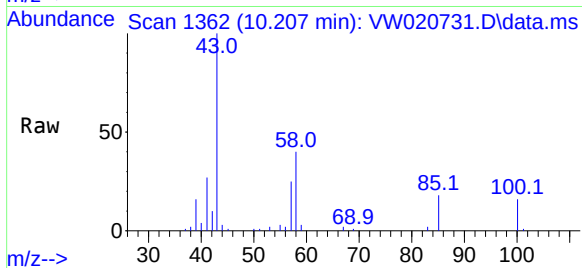
#51
4-Methyl-2-Pentanone
Concen: 25.101 ug/l
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 43 Resp: 15757
Ion Ratio Lower Upper
43 100
58 37.6 31.0 46.4

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

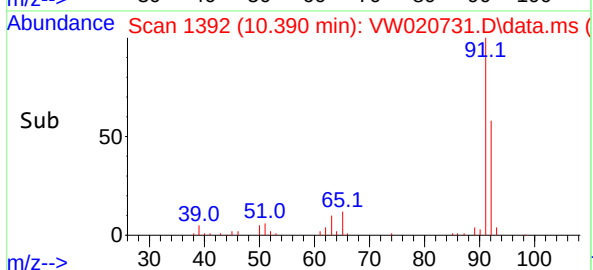
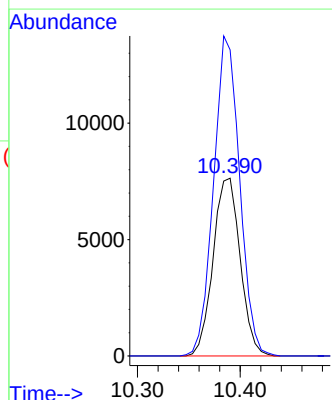
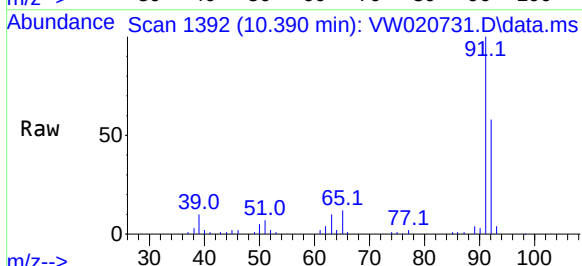
Manual Integrations
APPROVED

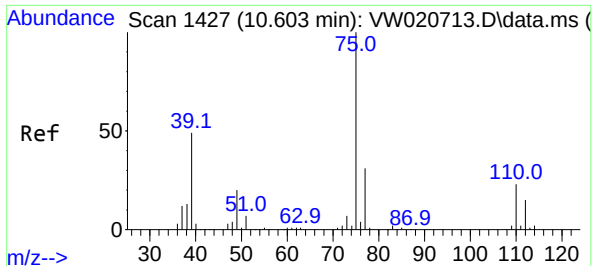
MMDadoda
11/1/2021 6:28:15 PM



#52
Toluene
Concen: 5.421 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 92 Resp: 13959
Ion Ratio Lower Upper
92 100
91 173.4 135.4 203.2





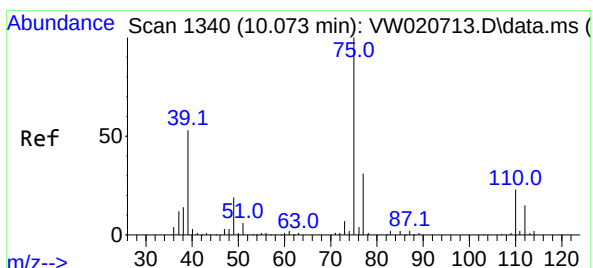
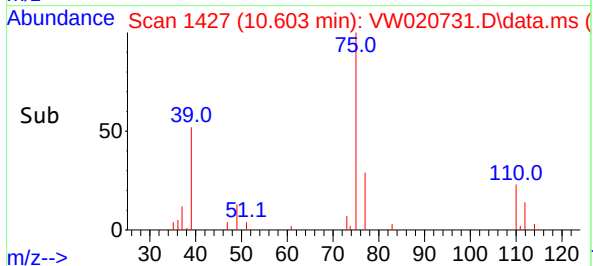
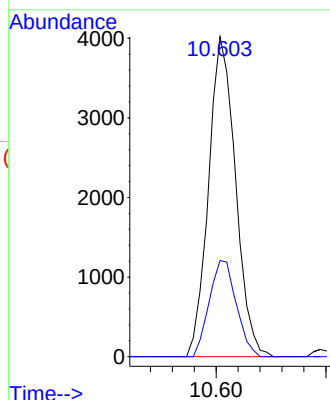
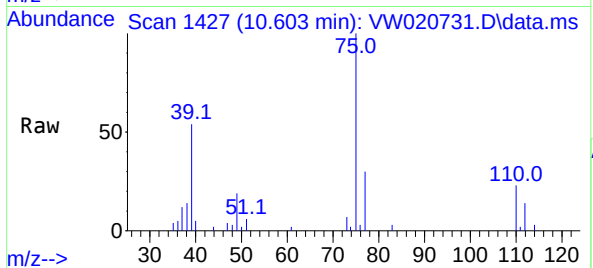
#53
t-1,3-Dichloropropene
Concen: 4.965 ug/l
RT: 10.603 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 75 Resp: 6857
Ion Ratio Lower Upper
75 100
77 30.1 25.0 37.6

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

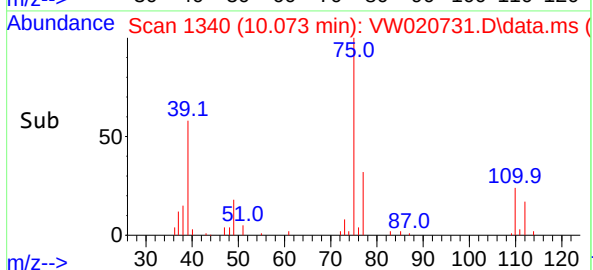
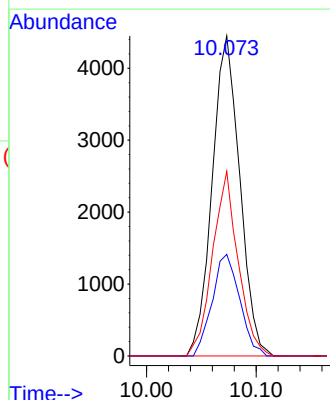
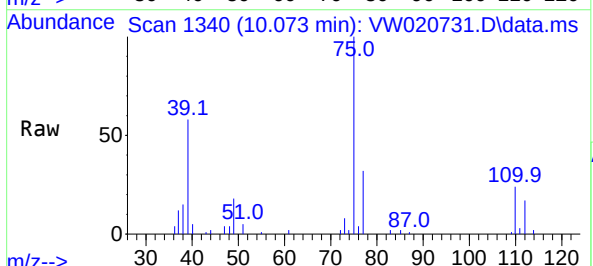
Manual Integrations
APPROVED

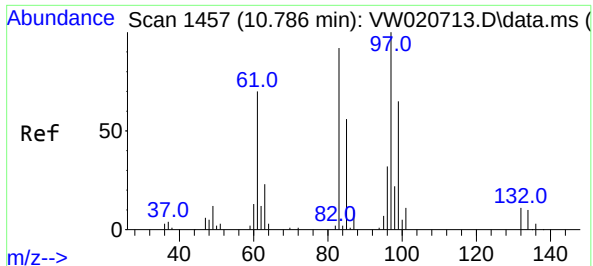
MMDadoda
11/1/2021 6:28:15 PM



#54
cis-1,3-Dichloropropene
Concen: 4.895 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 75 Resp: 7777
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3
39 57.7 42.6 63.8





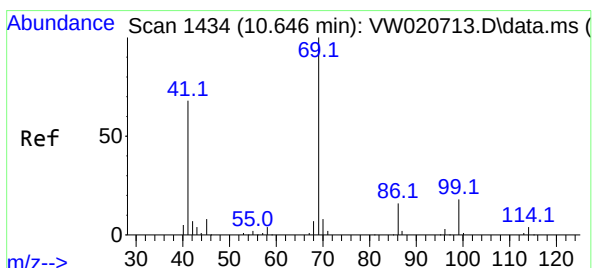
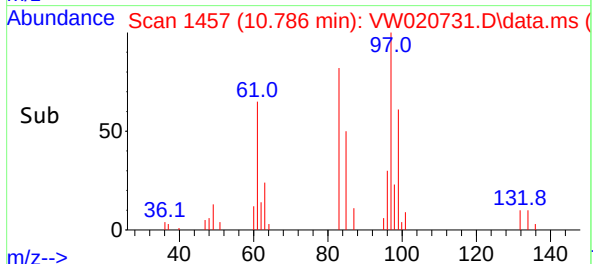
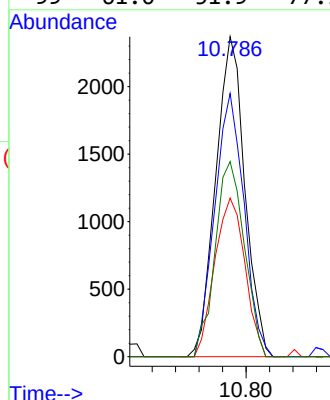
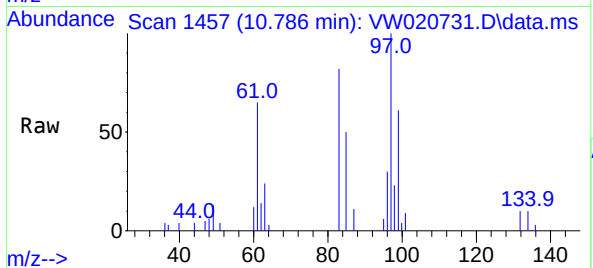
#55
1,1,2-Trichloroethane
Concen: 5.425 ug/l
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	97	Resp:	4086
Ion	Ratio	Lower	Upper
97	100		
83	82.2	73.9	110.9
85	49.5	44.8	67.2
99	61.0	51.9	77.9

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

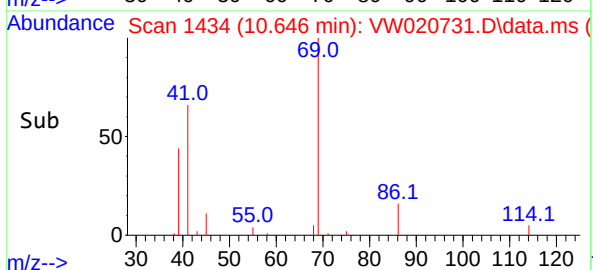
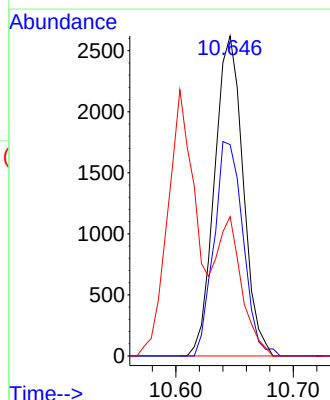
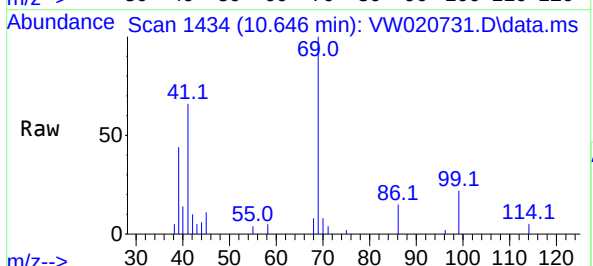
Manual Integrations
APPROVED

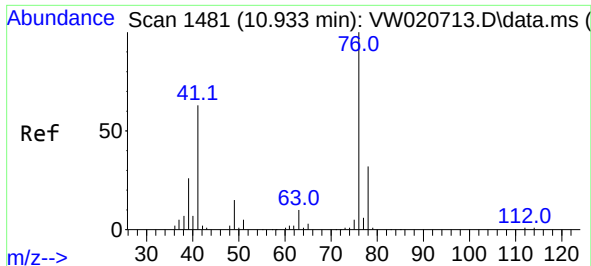
MMDadoda
11/1/2021 6:28:15 PM



#56
Ethyl methacrylate
Concen: 4.708 ug/l
RT: 10.646 min Scan# 1434
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	69	Resp:	4429
Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.5	83.3
39	38.3	29.6	44.4





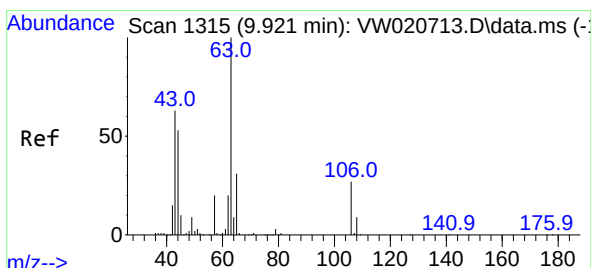
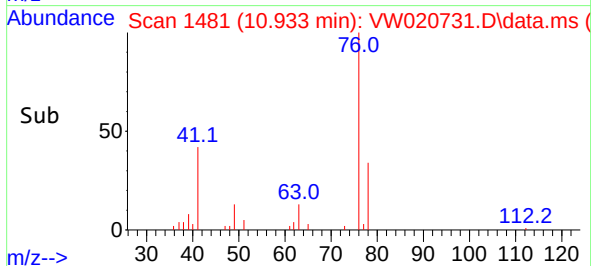
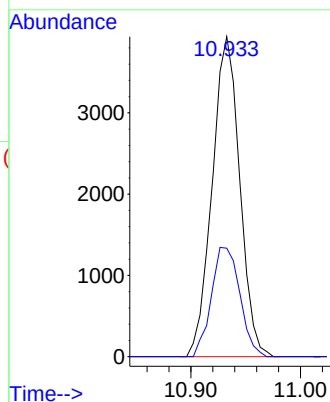
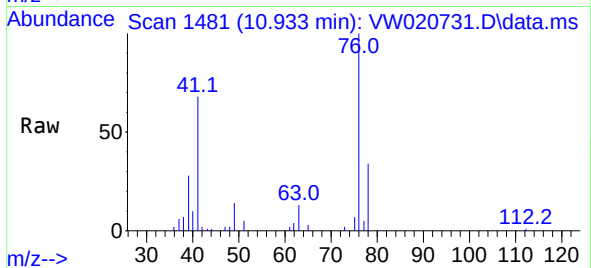
#57
1,3-Dichloropropane
Concen: 5.231 ug/l
RT: 10.933 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 76 Resp: 6873
Ion Ratio Lower Upper
76 100
78 35.4 25.7 38.5

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

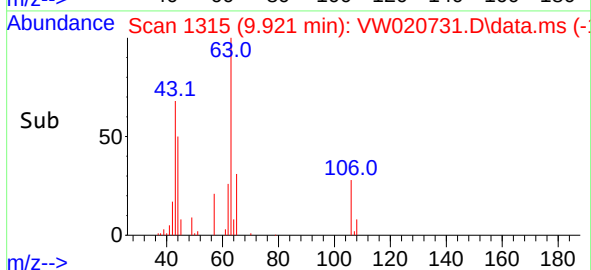
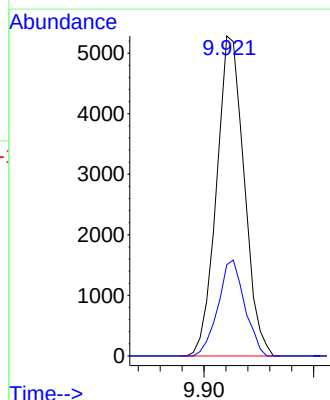
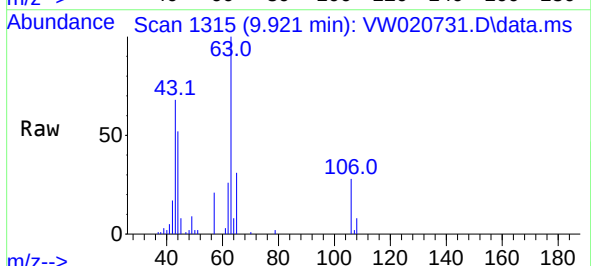
Manual Integrations
APPROVED

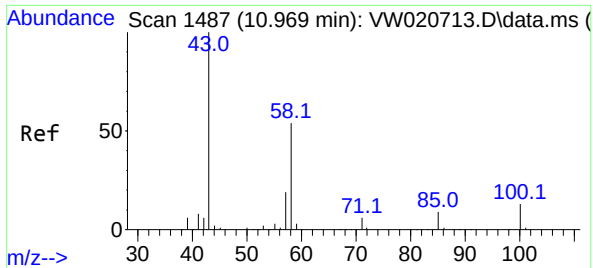
MMDadoda
11/1/2021 6:28:15 PM



#58
2-Chloroethyl Vinyl ether
Concen: 20.709 ug/l
RT: 9.921 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 63 Resp: 9239
Ion Ratio Lower Upper
63 100
106 28.8 23.1 34.7





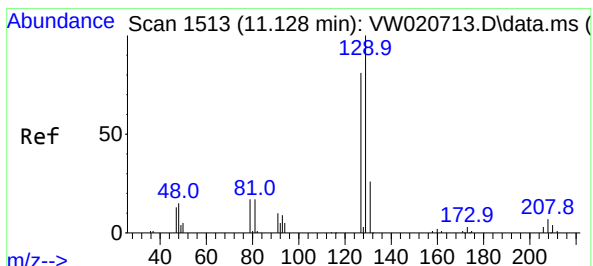
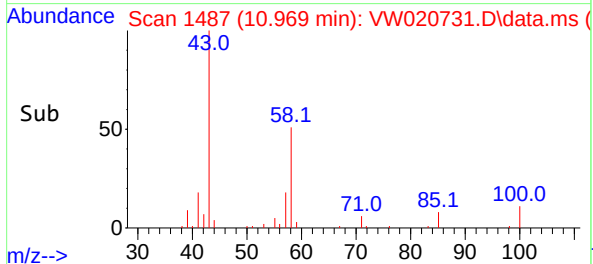
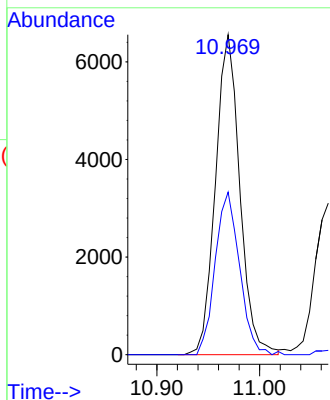
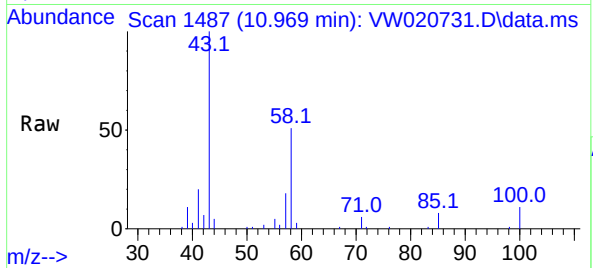
#59
2-Hexanone
Concen: 24.267 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 43 Resp: 10773
Ion Ratio Lower Upper
43 100
58 50.8 26.7 80.0

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

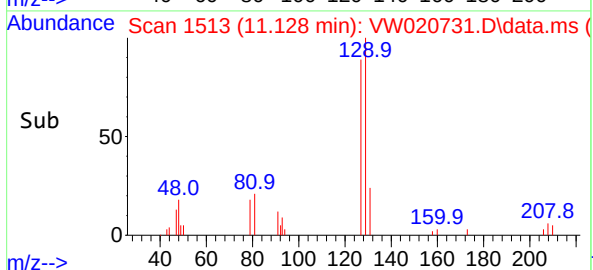
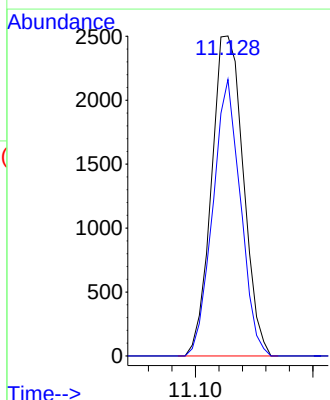
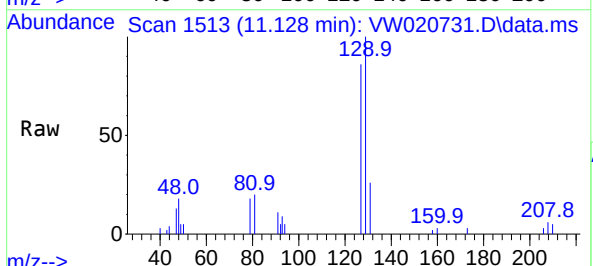
Manual Integrations
APPROVED

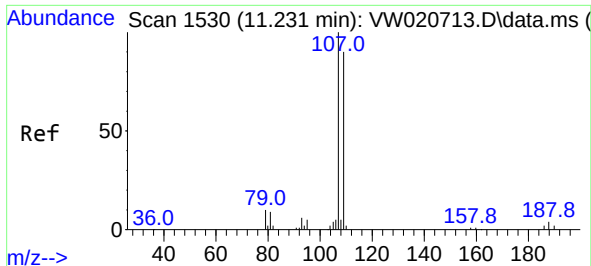
MMDadoda
11/1/2021 6:28:15 PM



#60
Dibromochloromethane
Concen: 5.233 ug/l
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

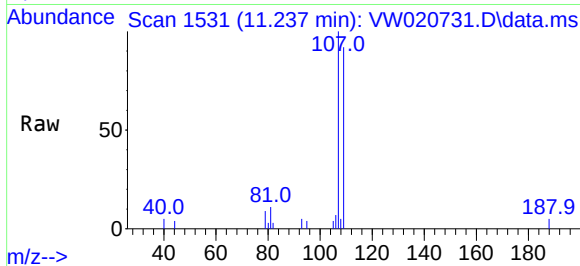
Tgt Ion: 129 Resp: 4711
Ion Ratio Lower Upper
129 100
127 75.3 39.3 117.9





#61
1,2-Dibromoethane
Concen: 5.216 ug/l
RT: 11.237 min Scan# 1531
Delta R.T. 0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

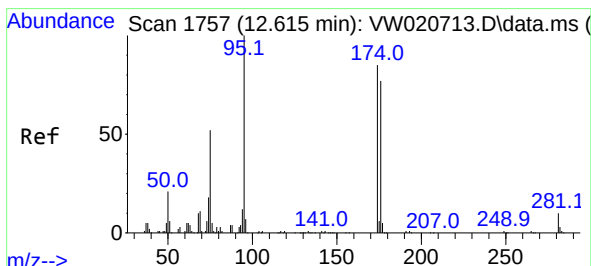
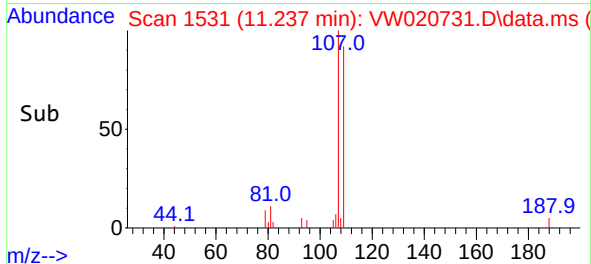
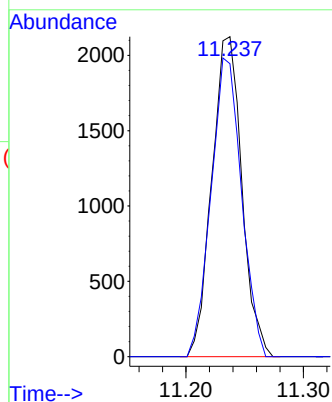
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



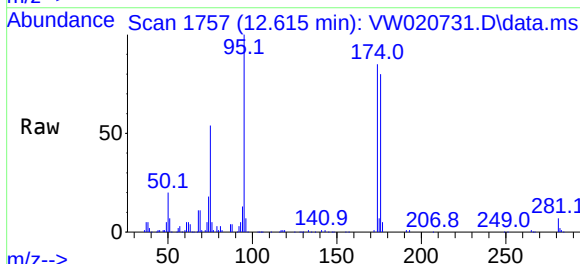
Tgt Ion:107 Resp: 3760
Ion Ratio Lower Upper
107 100
109 94.8 74.9 112.3

Manual Integrations
APPROVED

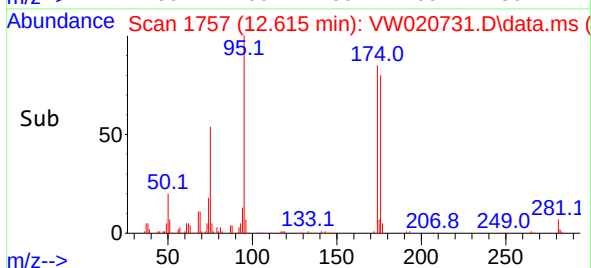
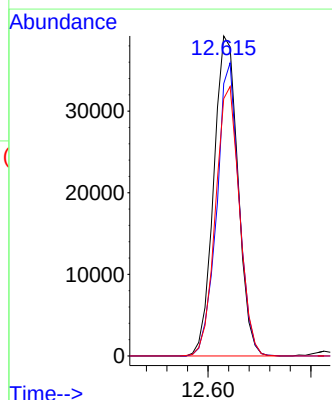
MMDadoda
11/1/2021 6:28:15 PM



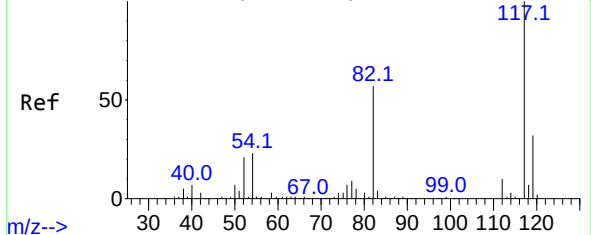
#62
4-Bromofluorobenzene
Concen: 46.758 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



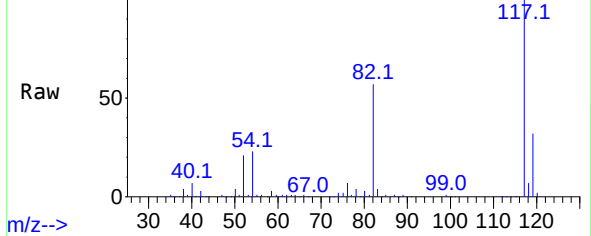
Tgt Ion: 95 Resp: 63904
Ion Ratio Lower Upper
95 100
174 84.0 0.0 171.0
176 83.1 0.0 165.0



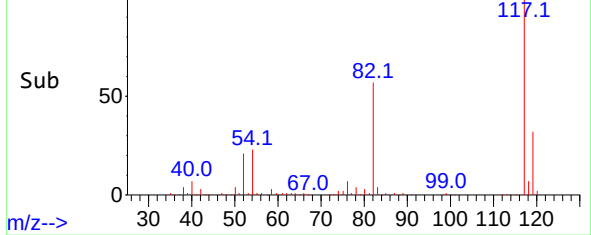
Abundance Scan 1596 (11.634 min): VW020713.D\data.ms (



m/z--> Abundance Scan 1595 (11.628 min): VW020731.D\data.ms



m/z--> Abundance Scan 1595 (11.628 min): VW020731.D\data.ms (



m/z-->

#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.628 min Scan# 1595

Delta R.T. -0.006 min

Lab File: VW020731.D

Acq: 29 Oct 2021 17:21

Tgt Ion:117 Resp: 152041

Ion Ratio Lower Upper

117 100

82 57.2 45.7 68.5

119 31.9 25.4 38.2

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

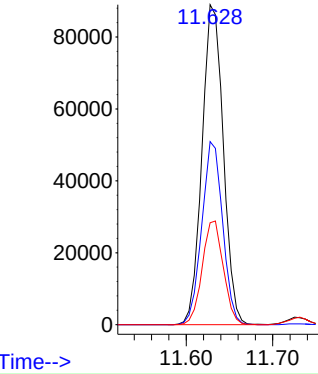
Manual Integrations

APPROVED

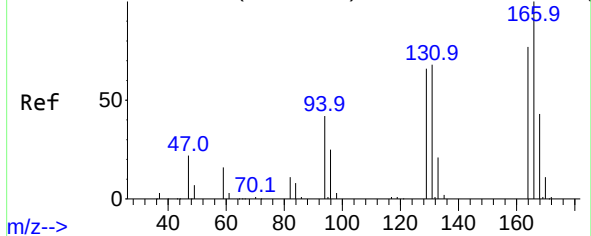
MMDadoda

11/1/2021 6:28:15 PM

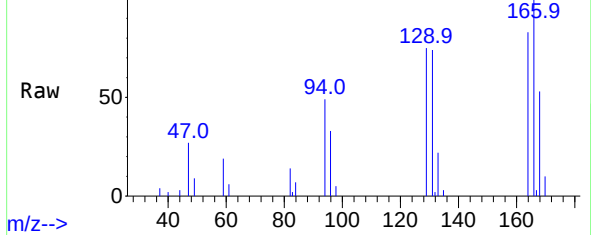
Abundance



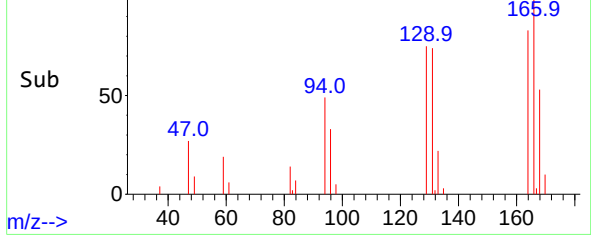
Abundance Scan 1470 (10.866 min): VW020713.D\data.ms (



m/z--> Abundance Scan 1469 (10.859 min): VW020731.D\data.ms



m/z--> Abundance Scan 1469 (10.859 min): VW020731.D\data.ms (



m/z-->

#64

Tetrachloroethene

Concen: 5.377 ug/l

RT: 10.859 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW020731.D

Acq: 29 Oct 2021 17:21

Tgt Ion:164 Resp: 5206

Ion Ratio Lower Upper

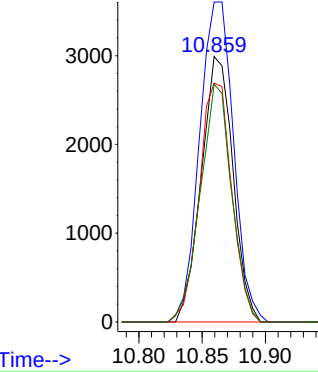
164 100

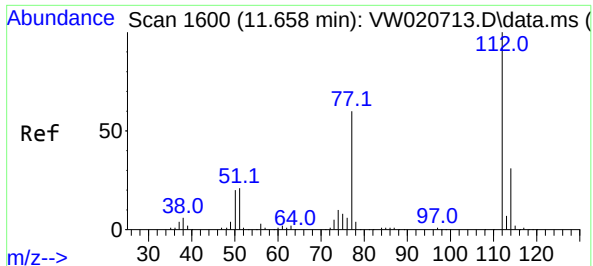
166 120.5 104.1 156.1

129 90.0 68.5 102.7

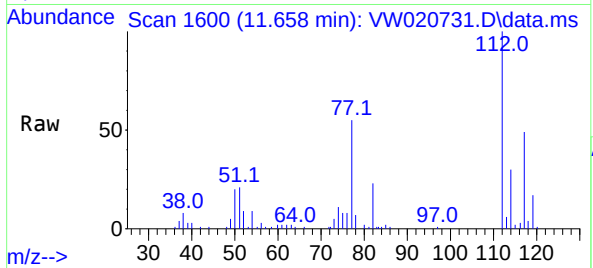
131 89.6 70.4 105.6

Abundance

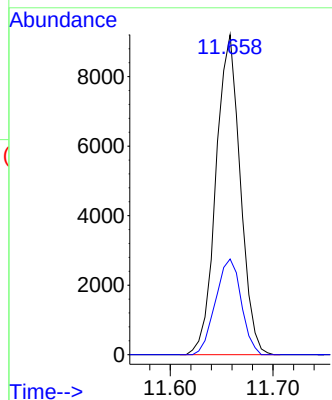




#65
Chlorobenzene
Concen: 5.480 ug/l
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



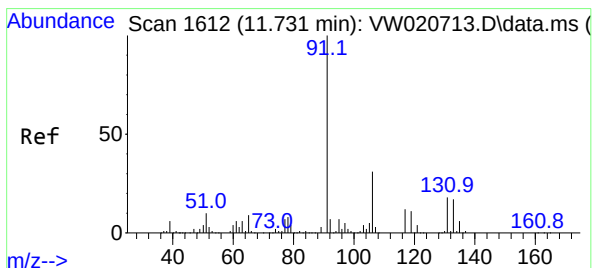
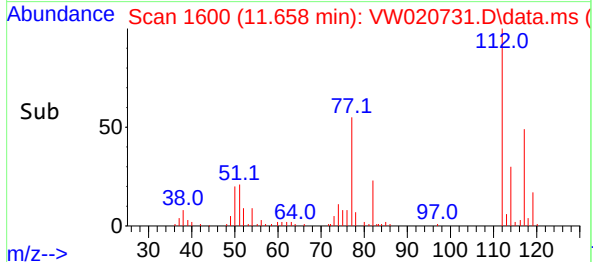
Tgt Ion:112 Resp: 15110
Ion Ratio Lower Upper
112 100
114 29.9 25.2 37.8



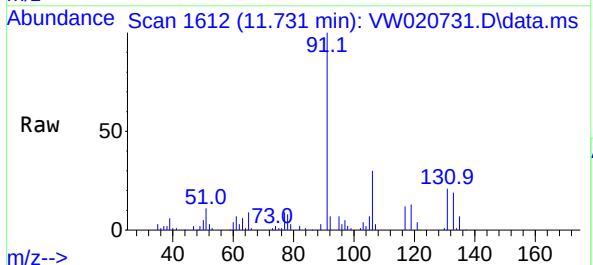
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

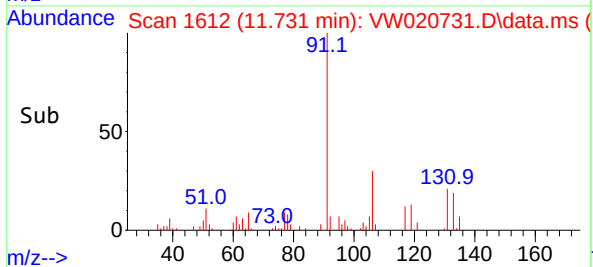
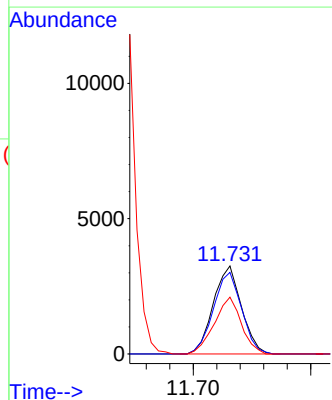
MMDadoda
11/1/2021 6:28:15 PM

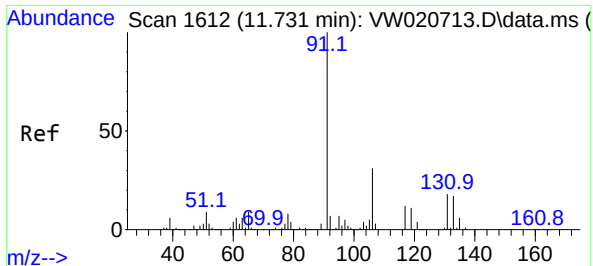


#66
1,1,1,2-Tetrachloroethane
Concen: 5.373 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

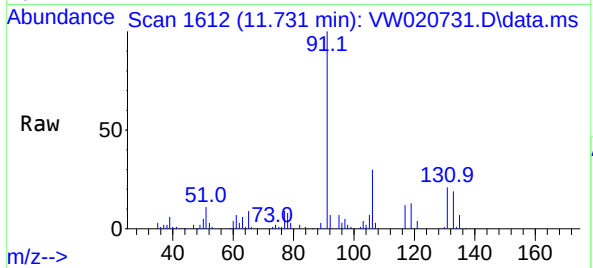


Tgt Ion:131 Resp: 5399
Ion Ratio Lower Upper
131 100
133 93.1 48.3 144.8
119 62.2 31.7 95.1

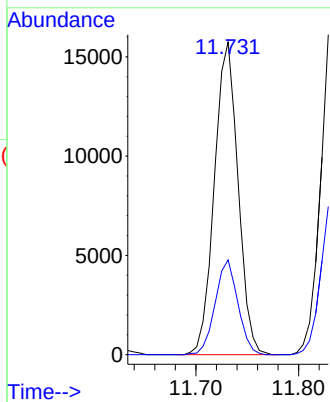
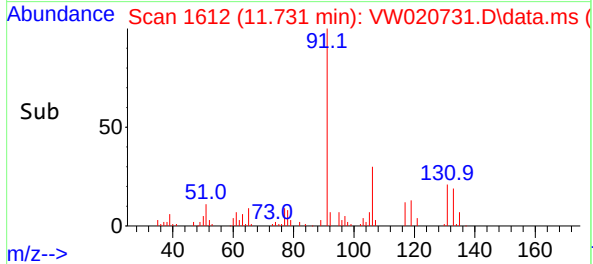




#67
Ethyl Benzene
Concen: 5.033 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



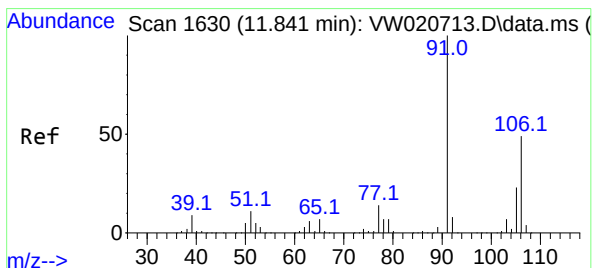
Tgt Ion: 91 Resp: 25137
Ion Ratio Lower Upper
91 100
106 30.3 24.5 36.7



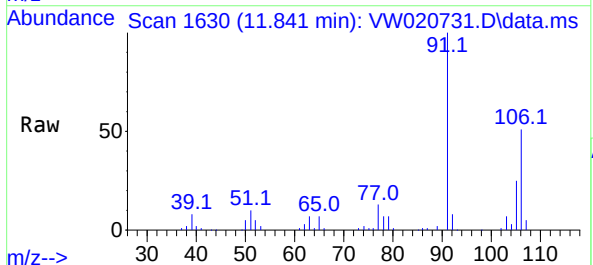
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

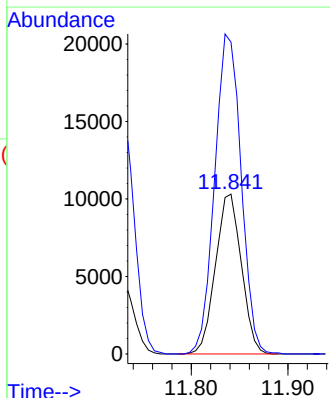
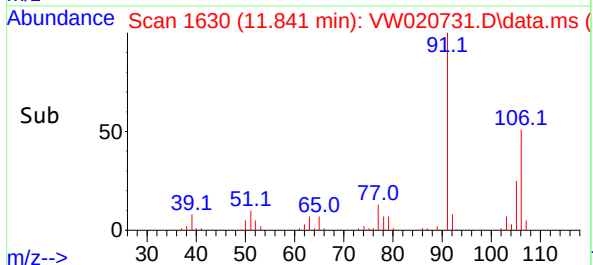
MMDadoda
11/1/2021 6:28:15 PM

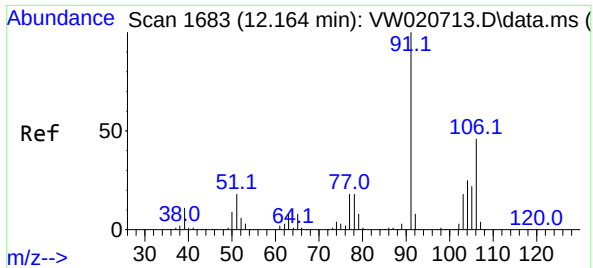


#68
m/p-Xylenes
Concen: 9.903 ug/l
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



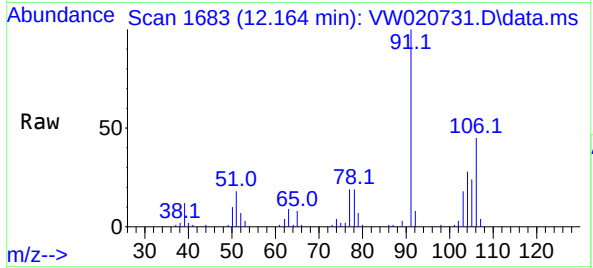
Tgt Ion:106 Resp: 19159
Ion Ratio Lower Upper
106 100
91 204.4 163.8 245.8





#69
o-Xylene
Concen: 4.698 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

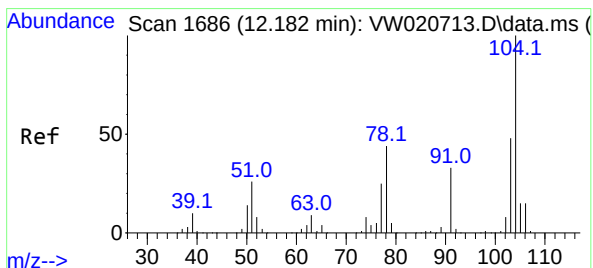
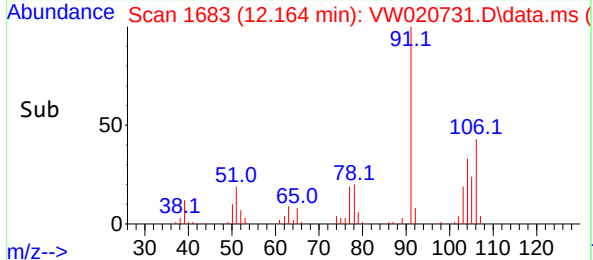
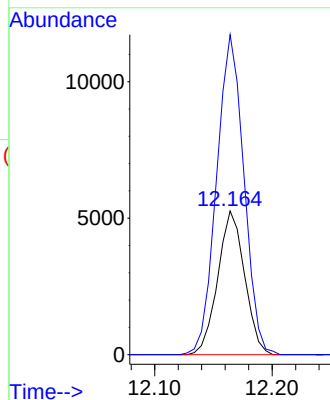
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



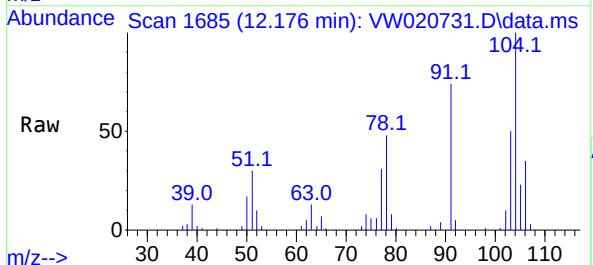
Tgt Ion:106 Resp: 8367
Ion Ratio Lower Upper
106 100
91 226.4 109.3 327.9

Manual Integrations
APPROVED

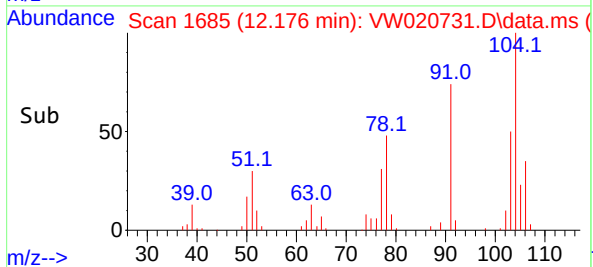
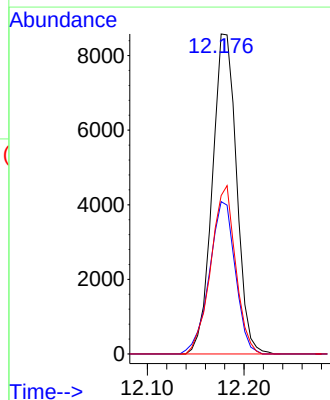
MMDadoda
11/1/2021 6:28:15 PM

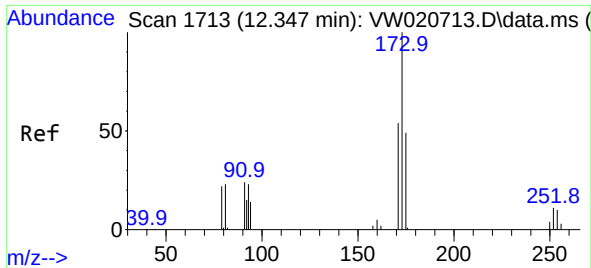


#70
Styrene
Concen: 4.884 ug/l
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

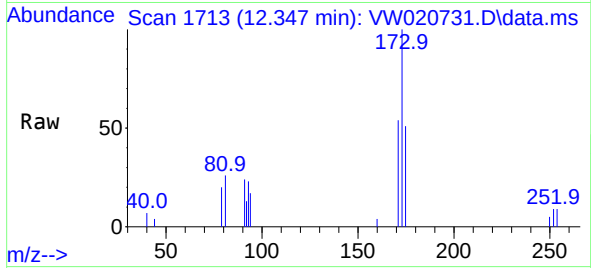


Tgt Ion:104 Resp: 14908
Ion Ratio Lower Upper
104 100
78 50.9 41.5 62.3
103 53.5 43.4 65.2

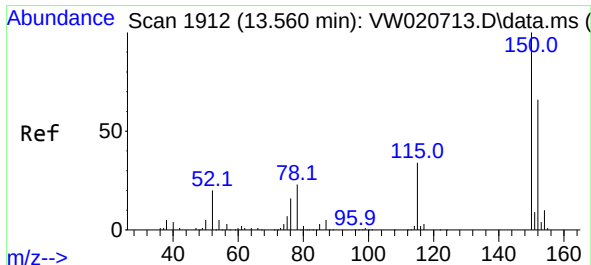
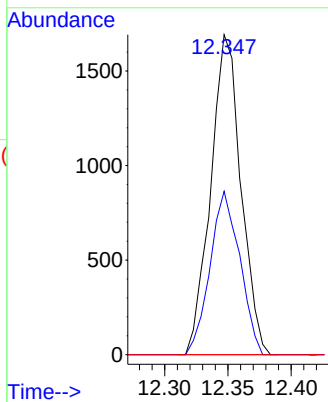
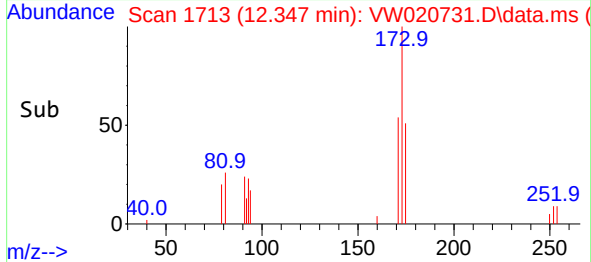




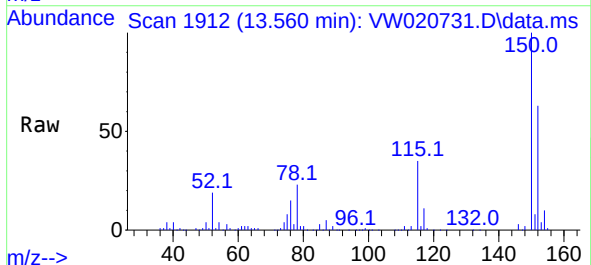
#71
Bromoform
Concen: 5.118 ug/l
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



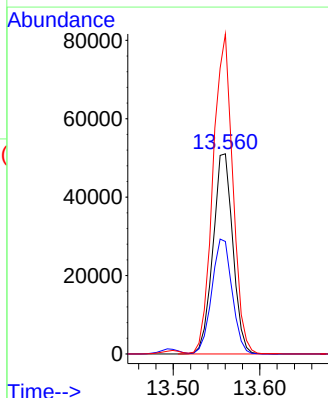
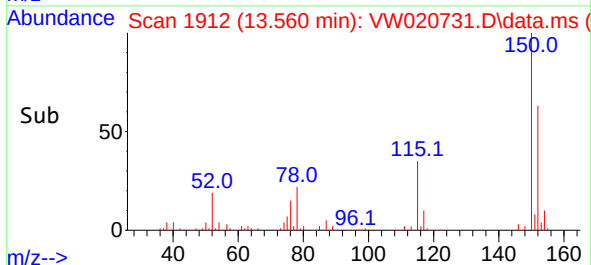
Tgt Ion:173 Resp: 2811
Ion Ratio Lower Upper
173 100
175 50.3 24.3 73.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



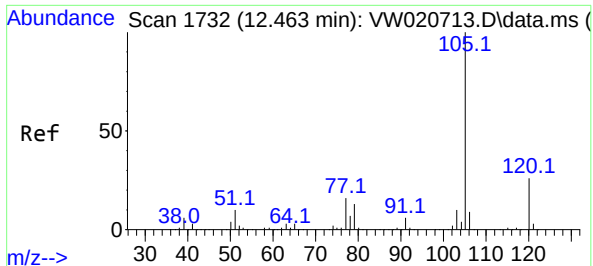
Tgt Ion:152 Resp: 81218
Ion Ratio Lower Upper
152 100
115 58.8 28.7 86.3
150 159.5 0.0 342.2



Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM



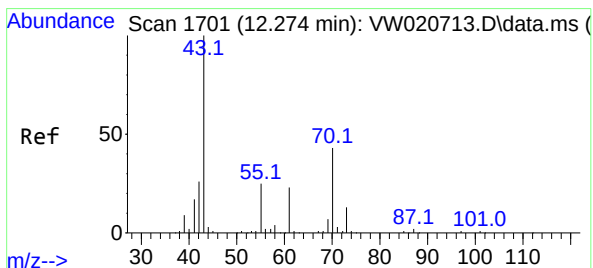
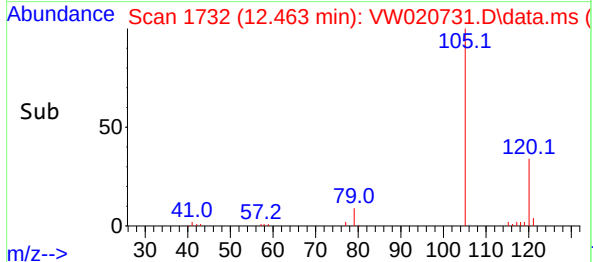
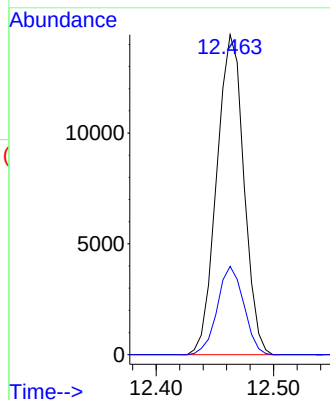
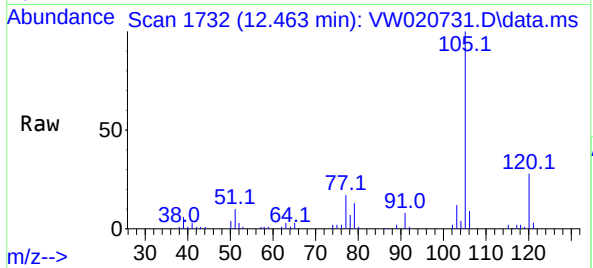
#73
Isopropylbenzene
Concen: 4.733 ug/l
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 105 Resp: 23204
Ion Ratio Lower Upper
105 100
120 26.8 12.8 38.3

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

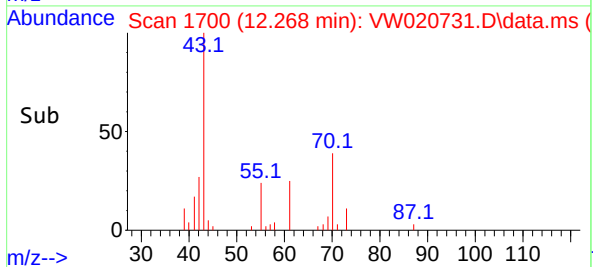
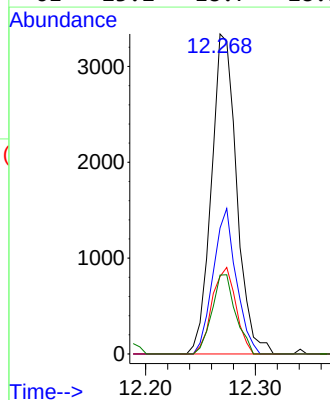
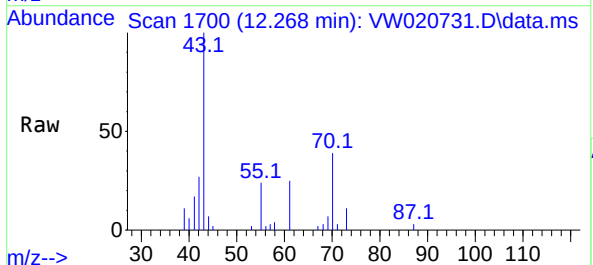
Manual Integrations
APPROVED

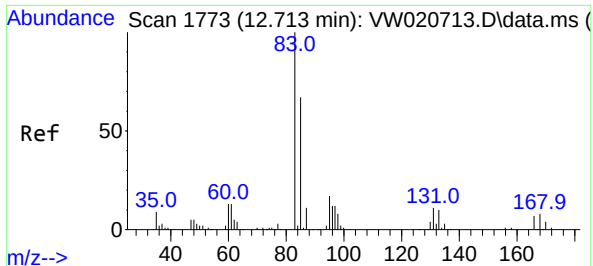
MMDadoda
11/1/2021 6:28:15 PM



#74
N-ethyl acetate
Concen: 4.757 ug/l
RT: 12.268 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 43 Resp: 5343
Ion Ratio Lower Upper
43 100
70 41.5 34.3 51.5
55 25.5 20.0 30.0
61 23.2 18.7 28.1





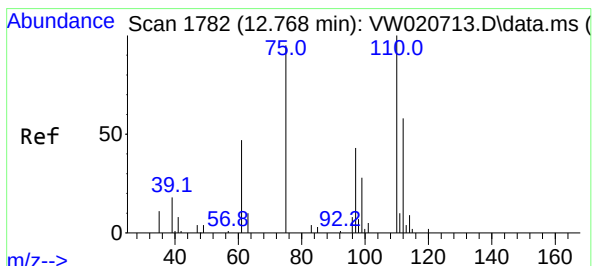
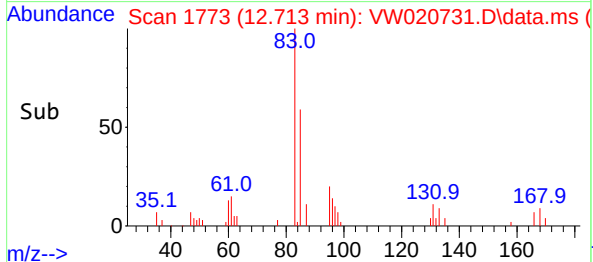
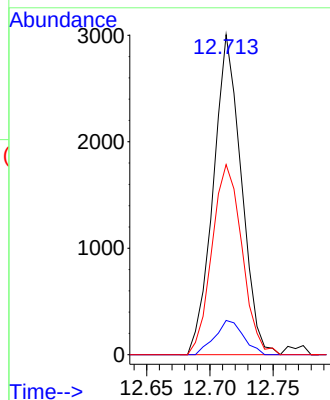
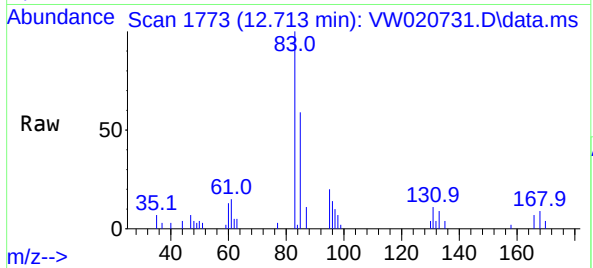
#75
1,1,2,2-Tetrachloroethane
Concen: 5.347 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 83 Resp: 4624
Ion Ratio Lower Upper
83 100
131 10.9 5.7 17.1
85 63.8 32.5 97.5

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

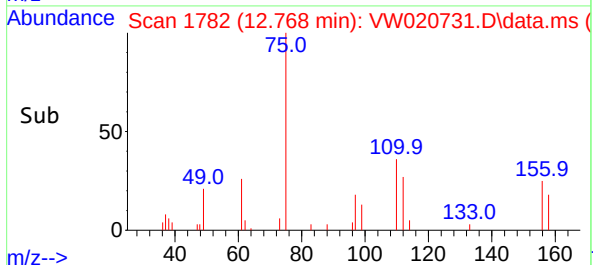
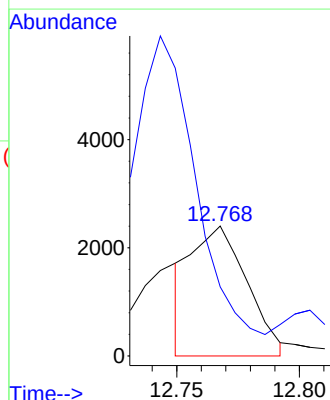
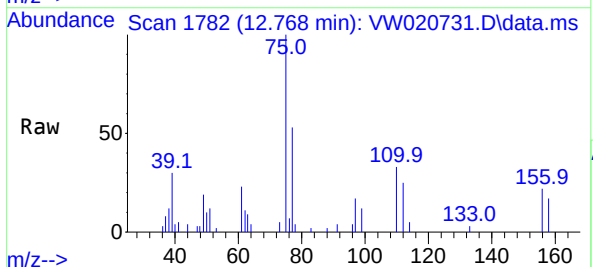
Manual Integrations
APPROVED

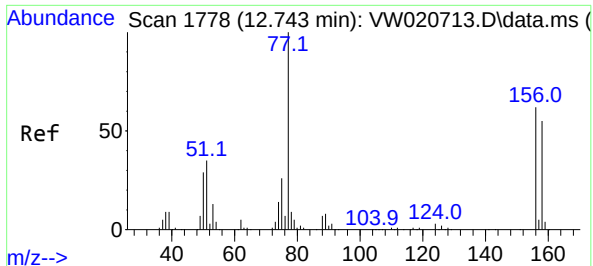
MMDadoda
11/1/2021 6:28:15 PM



#76
1,2,3-Trichloropropane
Concen: 5.466 ug/l m
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 75 Resp: 3806
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





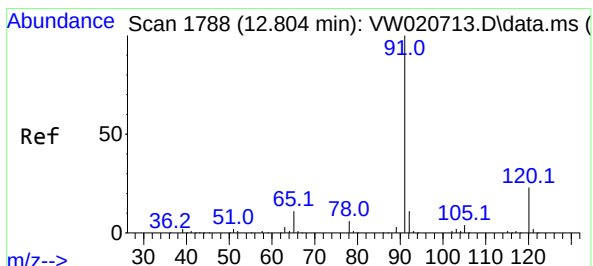
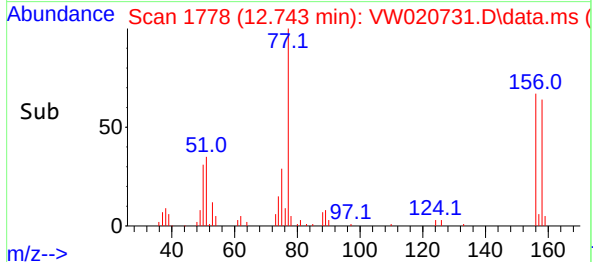
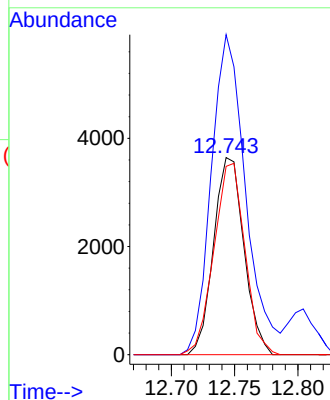
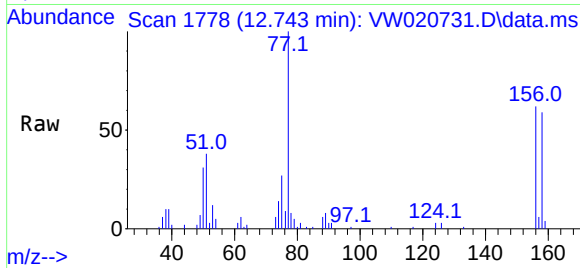
#77
Bromobenzene
Concen: 5.127 ug/l
RT: 12.743 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 156 Resp: 6085
Ion Ratio Lower Upper
156 100
77 183.4 91.0 273.0
158 99.0 46.7 140.1

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

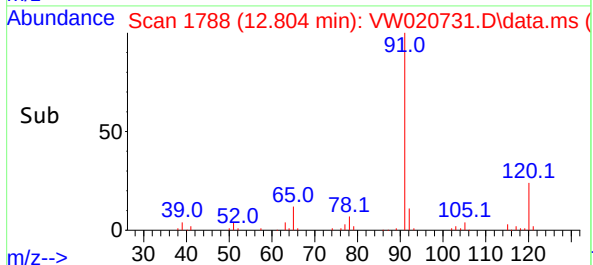
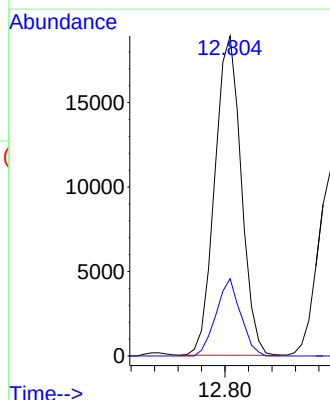
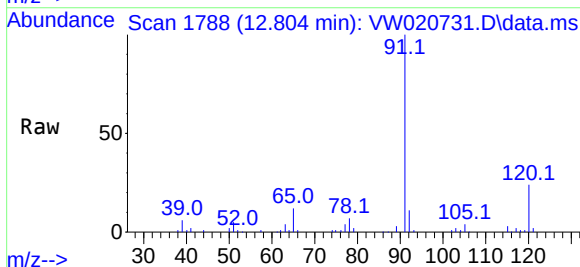
Manual Integrations
APPROVED

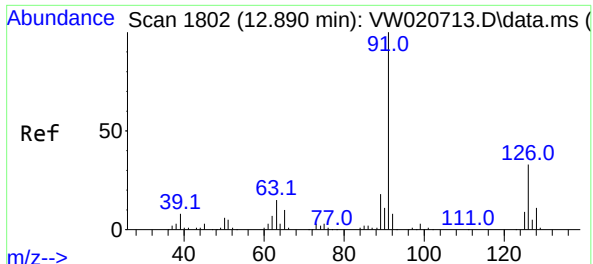
MMDadoda
11/1/2021 6:28:15 PM



#78
n-propylbenzene
Concen: 4.872 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 91 Resp: 29448
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9





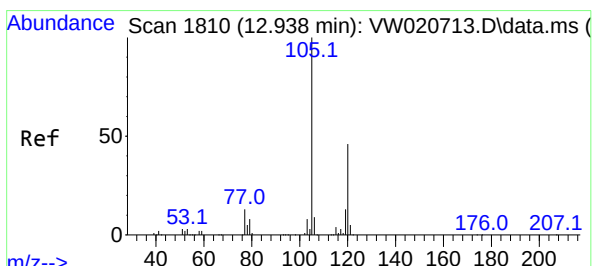
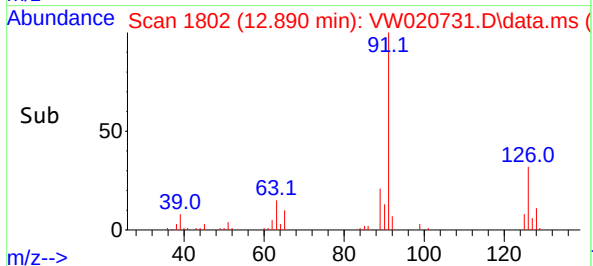
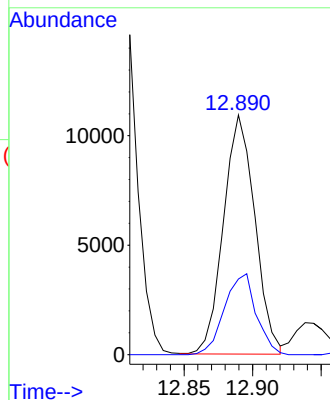
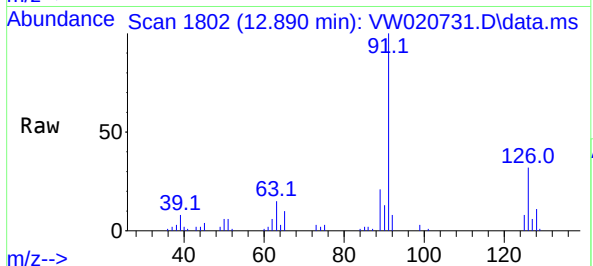
#79
2-Chlorotoluene
Concen: 5.016 ug/l
RT: 12.890 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 91 Resp: 17460
Ion Ratio Lower Upper
91 100
126 34.1 16.7 50.1

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

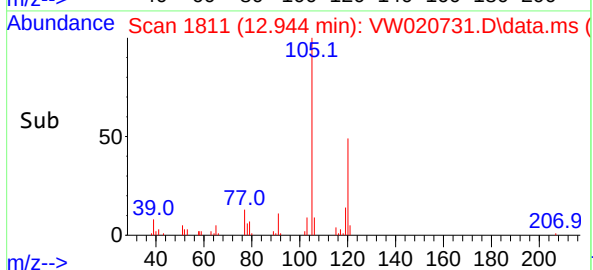
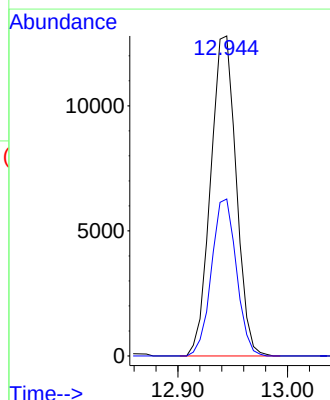
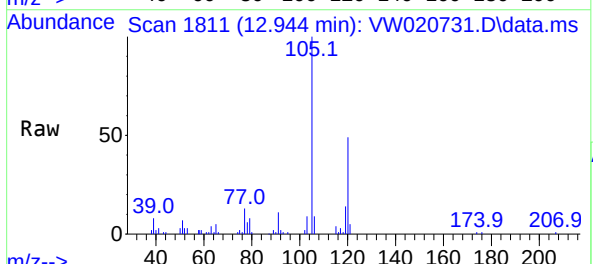
Manual Integrations
APPROVED

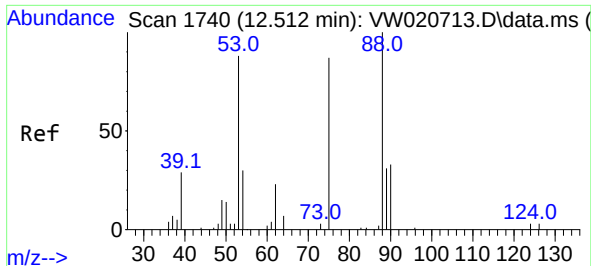
MMDadoda
11/1/2021 6:28:15 PM



#80
1,3,5-Trimethylbenzene
Concen: 4.855 ug/l
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

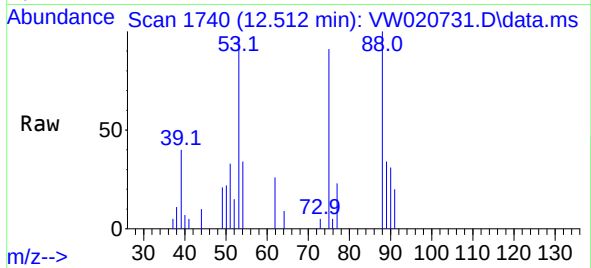
Tgt Ion: 105 Resp: 20715
Ion Ratio Lower Upper
105 100
120 47.9 24.0 72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.584 ug/l
RT: 12.512 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

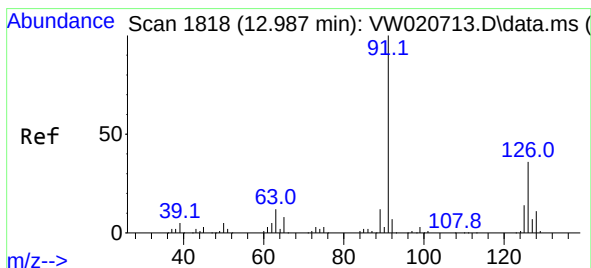
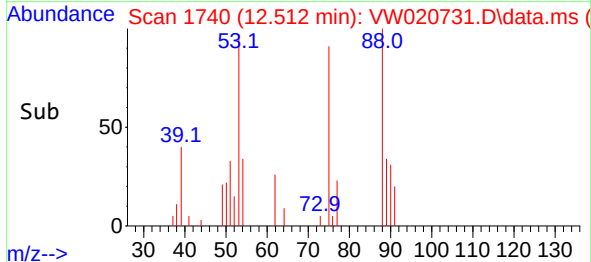
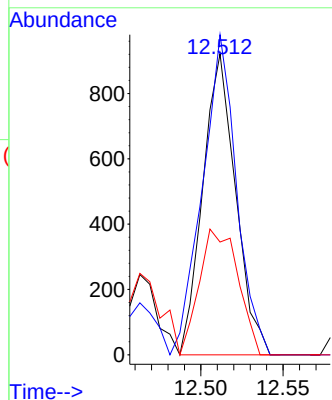
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



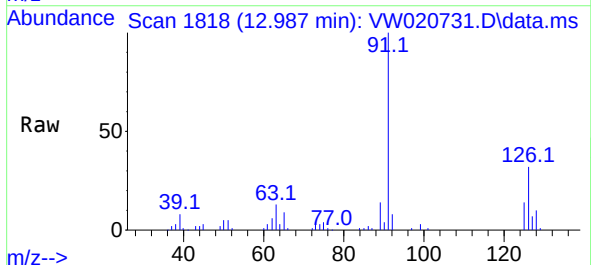
Tgt Ion: 75 Resp: 1278
Ion Ratio Lower Upper
75 100
53 110.4 83.1 124.7
89 49.2 35.1 52.7

Manual Integrations
APPROVED

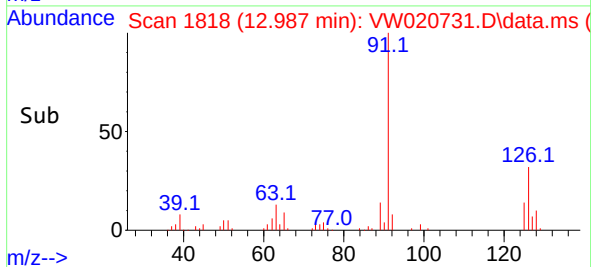
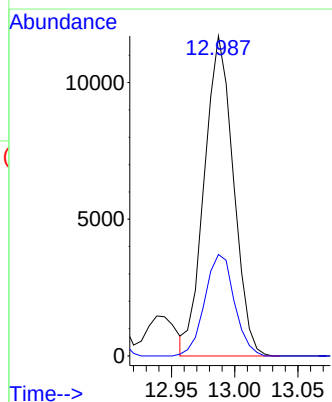
MMDadoda
11/1/2021 6:28:15 PM

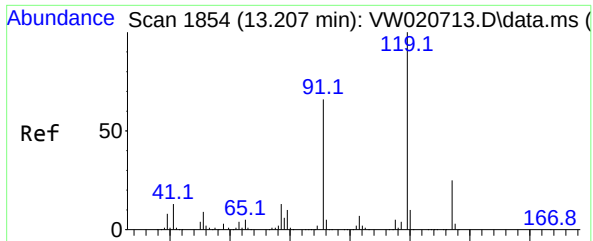


#82
4-Chlorotoluene
Concen: 5.068 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



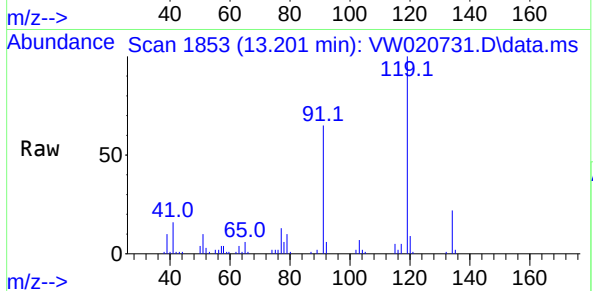
Tgt Ion: 91 Resp: 18722
Ion Ratio Lower Upper
91 100
126 32.3 17.0 51.0





#83
tert-Butylbenzene
Concen: 4.733 ug/l
RT: 13.201 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

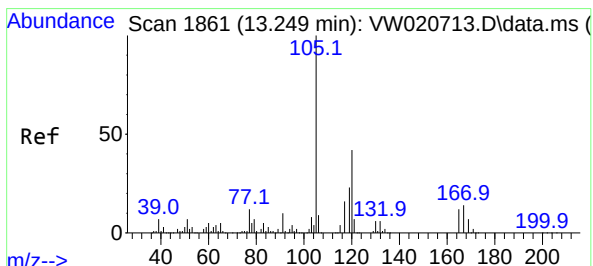
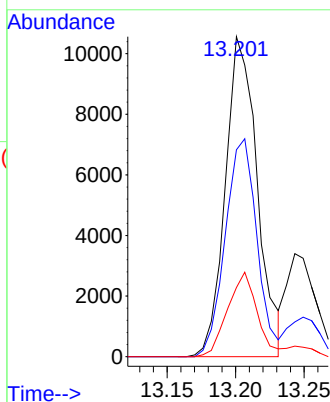
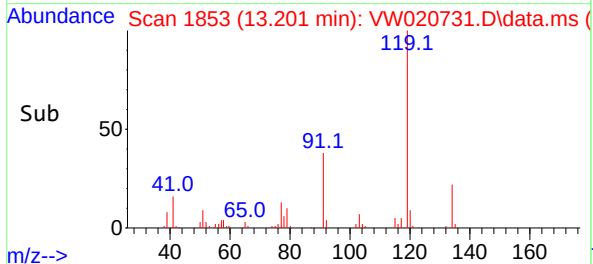
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



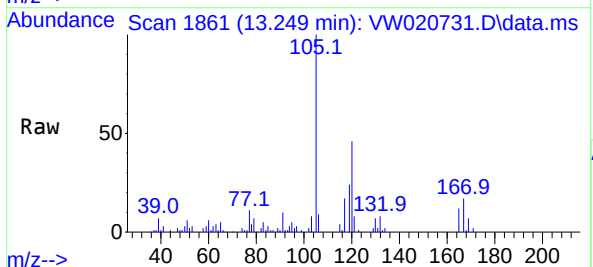
Tgt Ion:119 Resp: 17169
Ion Ratio Lower Upper
119 100
91 67.4 33.6 100.6
134 24.3 12.4 37.4

Manual Integrations
APPROVED

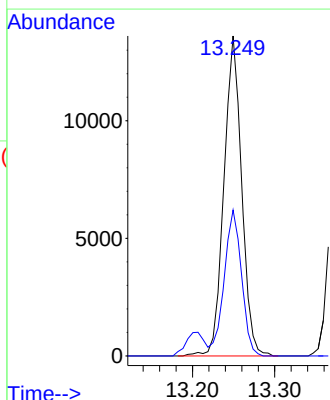
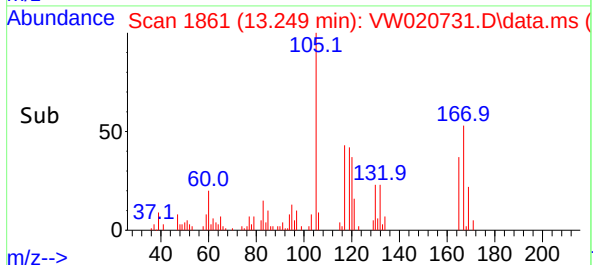
MMDadoda
11/1/2021 6:28:15 PM

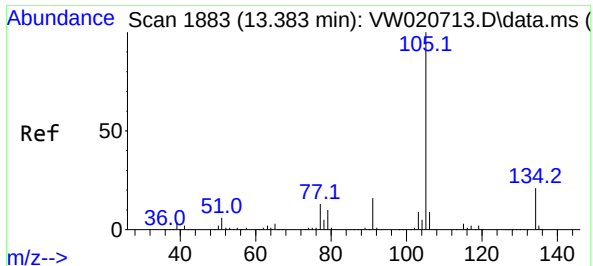


#84
1,2,4-Trimethylbenzene
Concen: 4.791 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



Tgt Ion:105 Resp: 20355
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.8





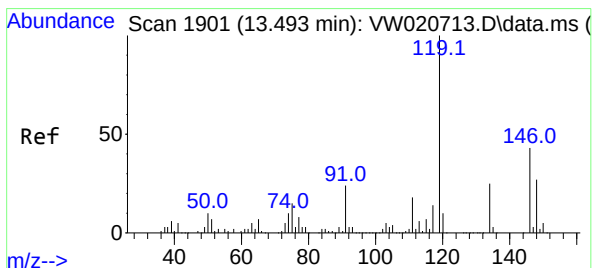
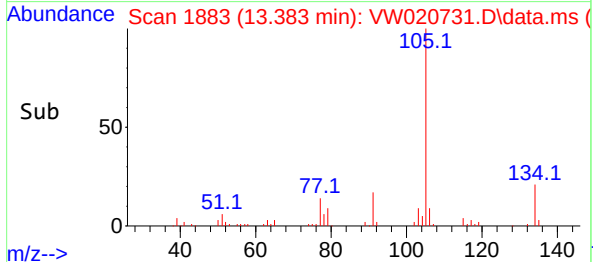
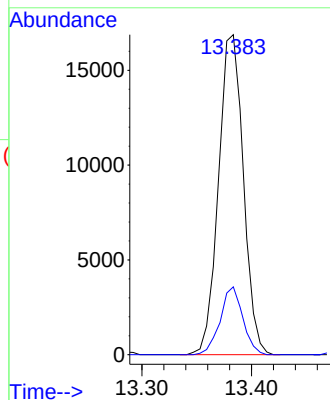
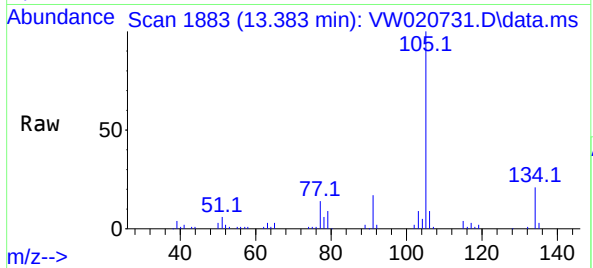
#85
sec-Butylbenzene
Concen: 4.872 ug/l
RT: 13.383 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:105 Resp: 26585
Ion Ratio Lower Upper
105 100
134 19.3 10.3 30.8

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

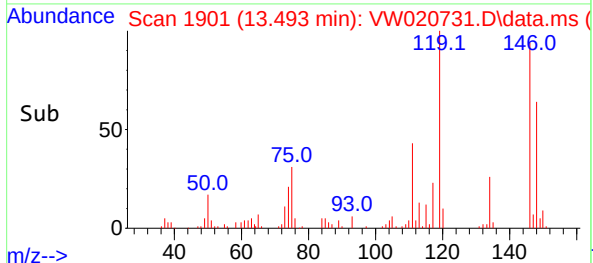
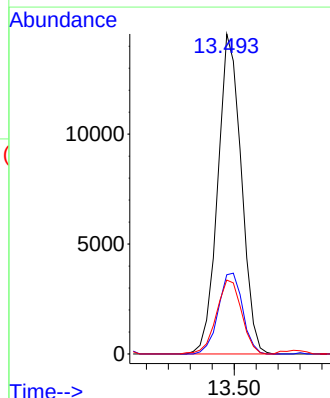
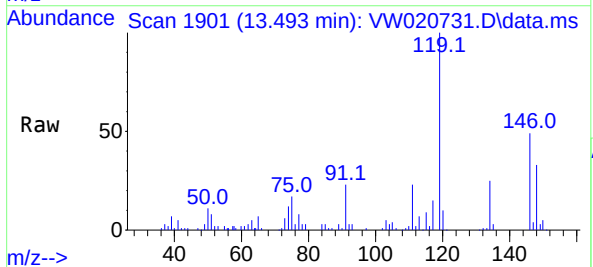
Manual Integrations
APPROVED

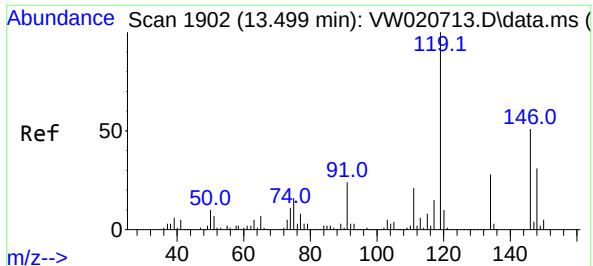
MMDadoda
11/1/2021 6:28:15 PM



#86
p-Isopropyltoluene
Concen: 4.680 ug/l
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:119 Resp: 21684
Ion Ratio Lower Upper
119 100
134 26.0 13.1 39.1
91 24.7 12.0 36.0





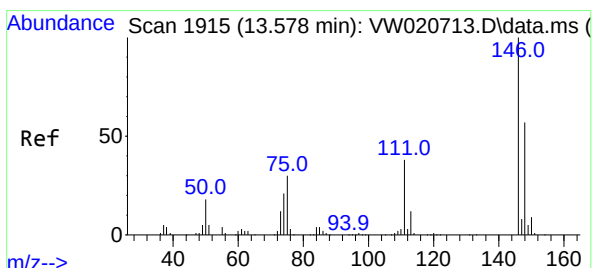
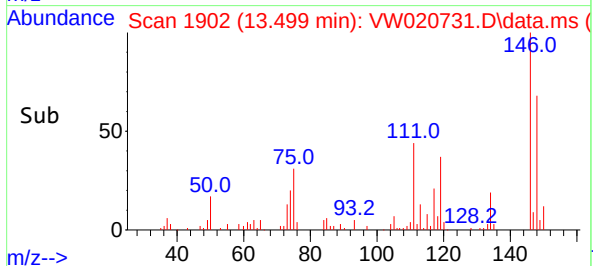
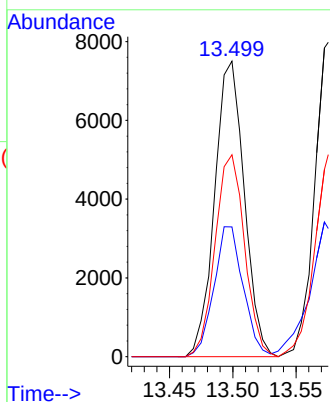
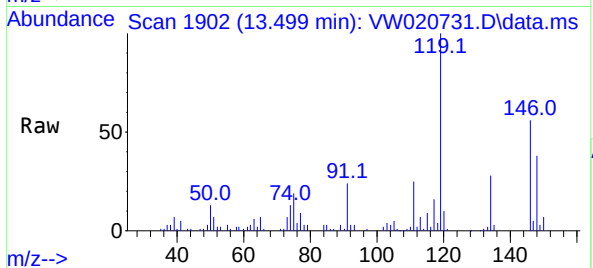
#87
1,3-Dichlorobenzene
Concen: 5.022 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	146	Resp:	12215
Ion Ratio	Lower	Upper	
146	100		
111	43.4	19.8	59.4
148	68.1	31.1	93.2

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

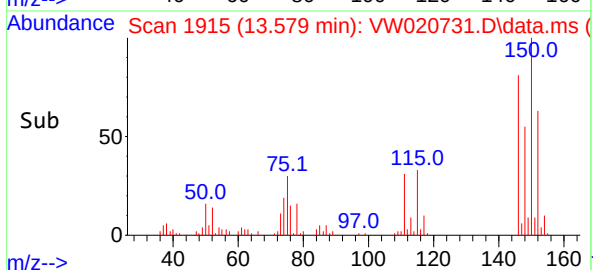
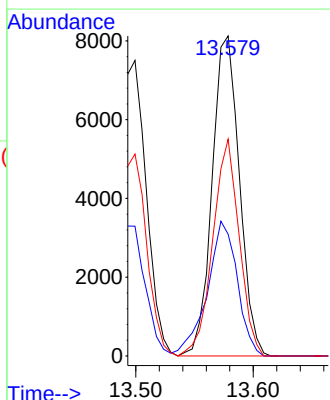
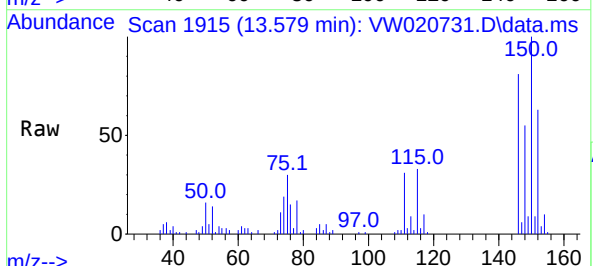
Manual Integrations
APPROVED

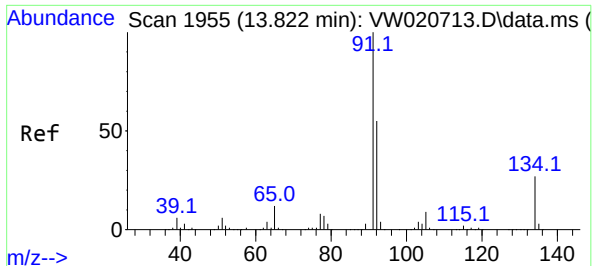
MMDadoda
11/1/2021 6:28:15 PM



#88
1,4-Dichlorobenzene
Concen: 5.406 ug/l
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	146	Resp:	13118
Ion Ratio	Lower	Upper	
146	100		
111	46.4	19.7	59.0
148	65.6	30.8	92.3





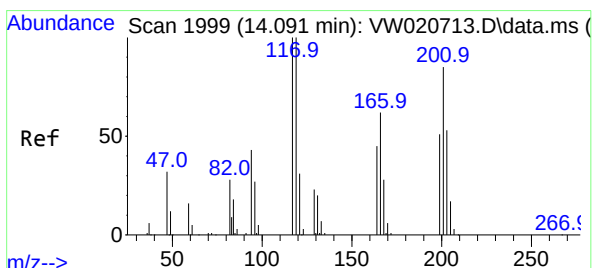
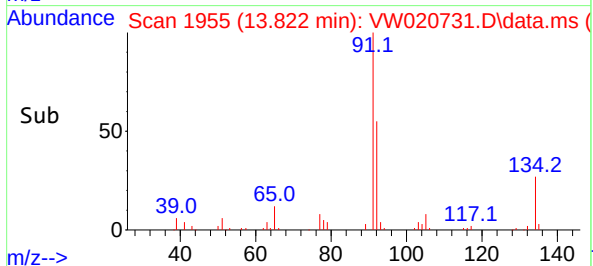
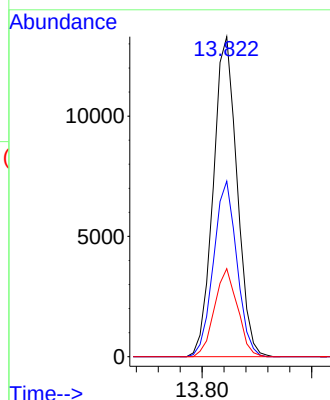
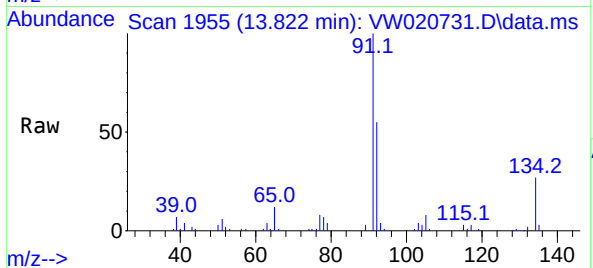
#89
n-Butylbenzene
Concen: 4.596 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	91	Resp:	20015
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	26.7	13.1	39.3

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

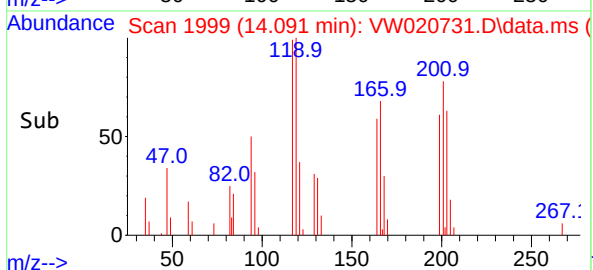
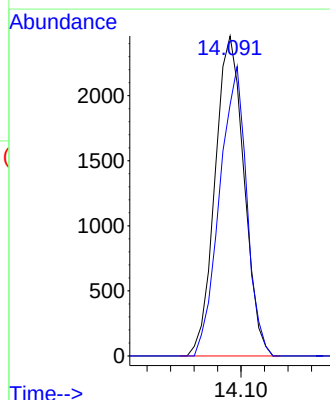
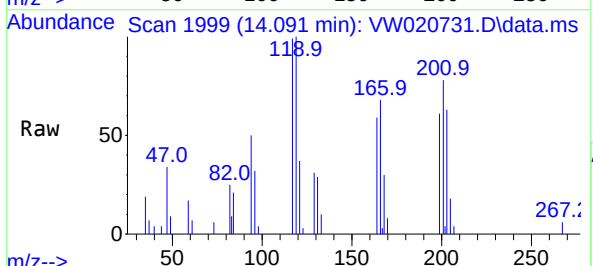
Manual Integrations
APPROVED

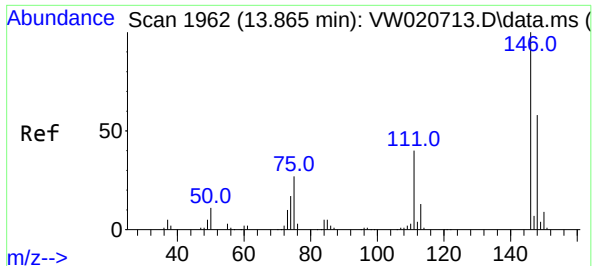
MMDadoda
11/1/2021 6:28:15 PM



#90
Hexachloroethane
Concen: 4.986 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	117	Resp:	4205
Ion	Ratio	Lower	Upper
117	100		
201	84.8	42.4	127.1





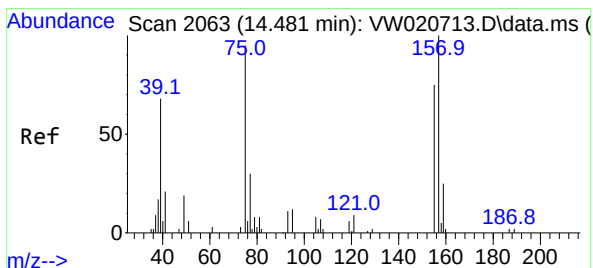
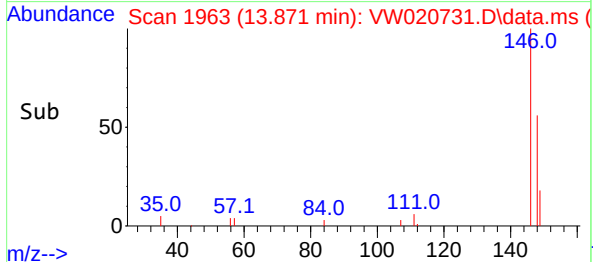
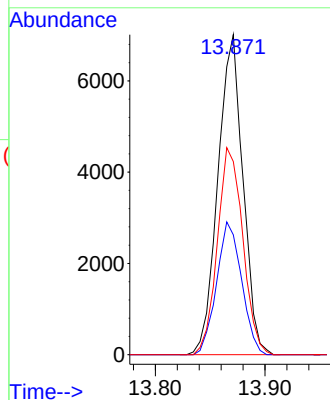
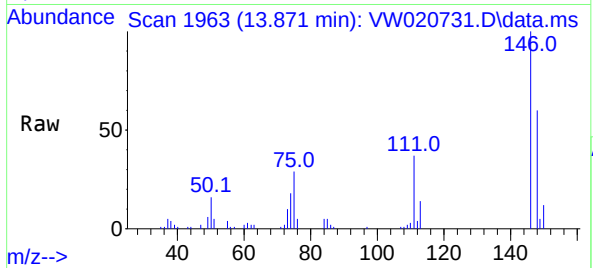
#91
1,2-Dichlorobenzene
Concen: 5.222 ug/l
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion: 146 Resp: 11121
Ion Ratio Lower Upper
146 100
111 41.5 20.4 61.3
148 65.8 30.7 92.1

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

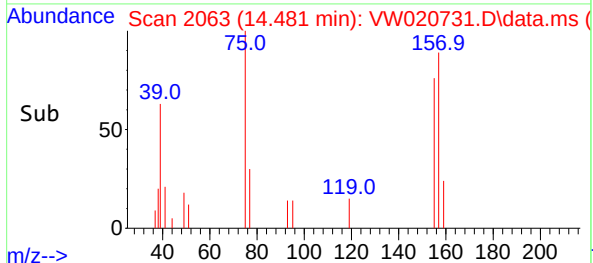
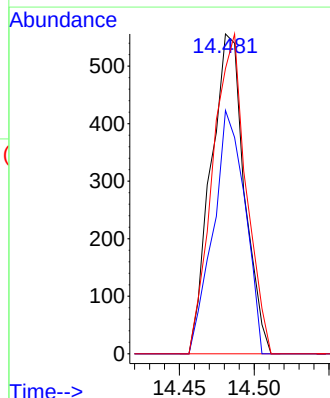
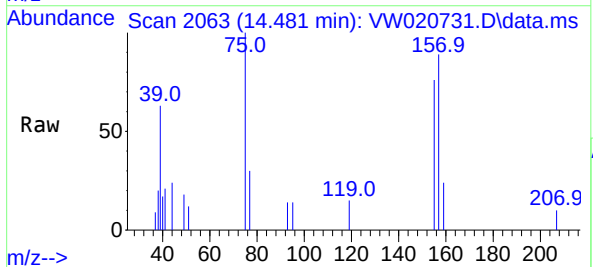
Manual Integrations
APPROVED

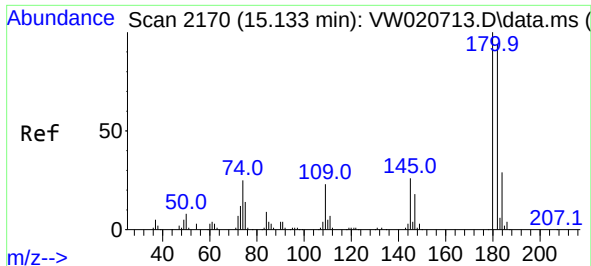
MMDadoda
11/1/2021 6:28:15 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.603 ug/l
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

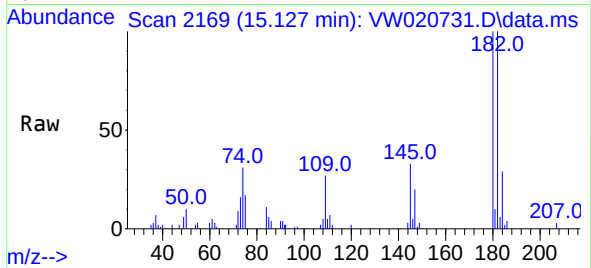
Tgt Ion: 75 Resp: 864
Ion Ratio Lower Upper
75 100
155 72.5 42.4 127.1
157 99.9 55.9 167.7





#93
1,2,4-Trichlorobenzene
Concen: 4.893 ug/l
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

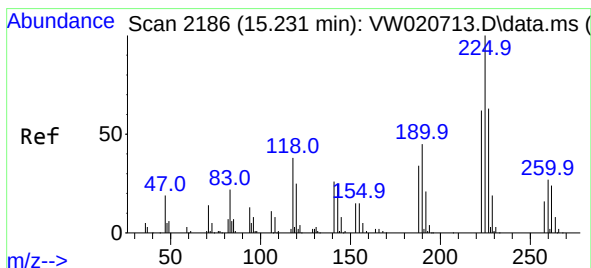
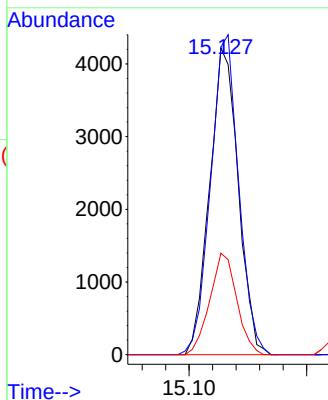
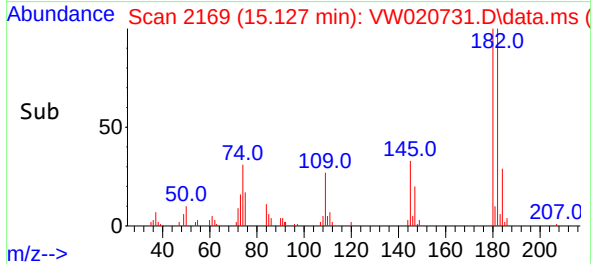
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



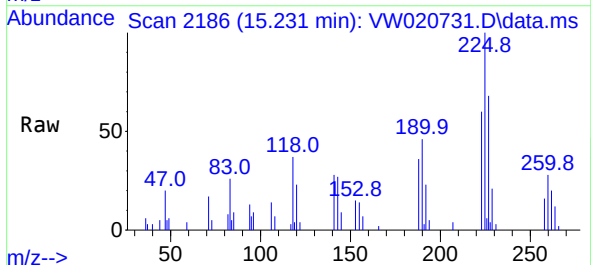
Tgt Ion:180 Resp: 7148
Ion Ratio Lower Upper
180 100
182 101.9 47.9 143.8
145 31.2 14.8 44.4

Manual Integrations
APPROVED

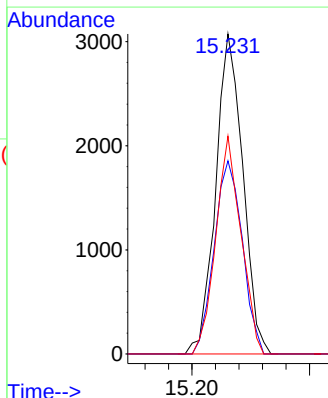
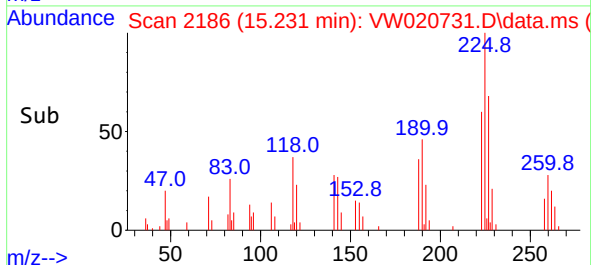
MMDadoda
11/1/2021 6:28:15 PM

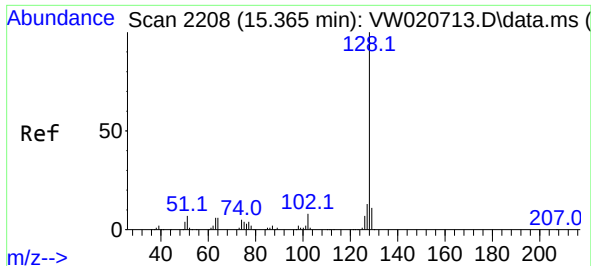


#94
Hexachlorobutadiene
Concen: 5.227 ug/l
RT: 15.231 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21



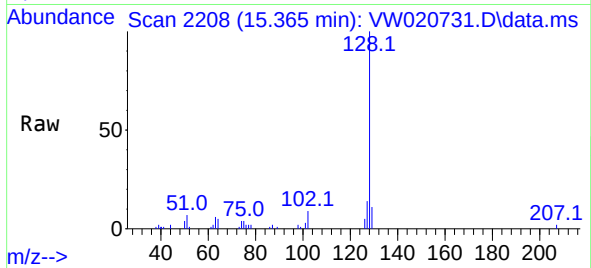
Tgt Ion:225 Resp: 4934
Ion Ratio Lower Upper
225 100
223 62.4 31.6 95.0
227 63.3 31.9 95.7





#95
Naphthalene
Concen: 4.655 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

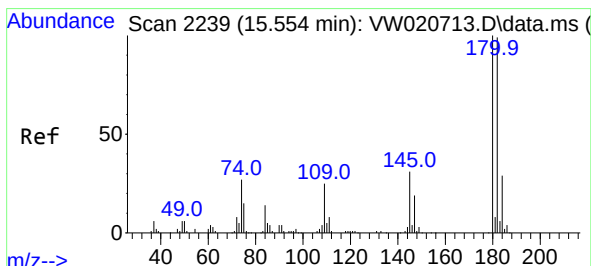
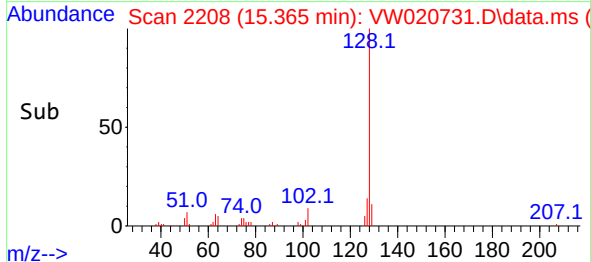
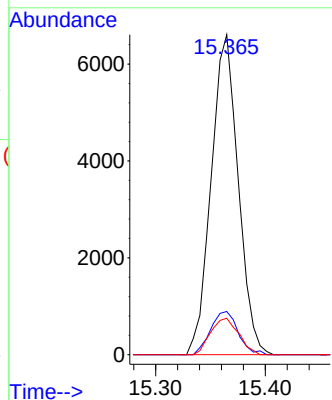
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:	128	Resp:	11307
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	16.0
129	11.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/1/2021 6:28:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.153 ug/l
RT: 15.554 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VW020731.D
Acq: 29 Oct 2021 17:21

Tgt Ion:	180	Resp:	6760
Ion Ratio	Lower	Upper	
180	100		
182	93.9	48.5	145.5
145	33.3	15.7	47.1

