

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072402.D
 Acq On : 24 Mar 2022 12:36
 Operator : VA/SY
 Sample : N1645-01 2.5ppb
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 25 03:45:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 03:45:33 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	359403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	609540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	568823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	276204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217220	54.233	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.460%	
35) Dibromofluoromethane	7.909	113	225530	52.579	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.160%	
50) Toluene-d8	10.332	98	760970	48.518	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.040%	
62) 4-Bromofluorobenzene	12.626	95	287189	47.125	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	6841	2.058	ug/l	95
3) Chloromethane	2.209	50	6554	2.219	ug/l	99
4) Vinyl Chloride	2.350	62	6308	2.212	ug/l	91
5) Bromomethane	2.773	94	5875	3.164	ug/l #	73
6) Chloroethane	2.915	64	4622	2.452	ug/l	94
7) Trichlorofluoromethane	3.273	101	14630	2.272	ug/l	98
8) Diethyl Ether	3.709	74	4087	2.298	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	9332	2.273	ug/l	98
10) Methyl Iodide	4.303	142	7005	2.133	ug/l #	91
11) Tert butyl alcohol	5.203	59	3892m	16.759	ug/l	
12) 1,1-Dichloroethene	4.068	96	7835	2.372	ug/l #	72
13) Acrolein	3.938	56	3180	15.345	ug/l	99
14) Allyl chloride	4.720	41	12717	2.202	ug/l	98
15) Acrylonitrile	5.420	53	12212	13.609	ug/l	92
16) Acetone	4.156	43	17470	20.089	ug/l	98
17) Carbon Disulfide	4.415	76	10220	1.517	ug/l #	95
18) Methyl Acetate	4.709	43	7751	3.637	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	23519	2.620	ug/l	97
20) Methylene Chloride	4.967	84	26379	5.047	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	7745	2.120	ug/l	82
22) Diisopropyl ether	6.356	45	32585	2.474	ug/l	95
23) Vinyl Acetate	6.309	43	79188	11.779	ug/l	100
24) 1,1-Dichloroethane	6.267	63	20858	2.685	ug/l #	93
25) 2-Butanone	7.214	43	19462	16.785	ug/l #	85
26) 2,2-Dichloropropane	7.197	77	15704	2.240	ug/l	92
27) cis-1,2-Dichloroethene	7.209	96	11136	2.387	ug/l	96
28) Bromochloromethane	7.550	49	7847	2.509	ug/l	97
29) Tetrahydrofuran	7.567	42	9276	13.605	ug/l	96
30) Chloroform	7.708	83	22941	2.772	ug/l	84
31) Cyclohexane	7.979	56	18878	3.017	ug/l #	33
32) 1,1,1-Trichloroethane	7.897	97	17048	2.319	ug/l	99
36) 1,1-Dichloropropene	8.108	75	12478	2.074	ug/l	96
37) Ethyl Acetate	7.297	43	8067	3.060	ug/l #	76
38) Carbon Tetrachloride	8.091	117	14514	2.122	ug/l	85
39) Methylcyclohexane	9.350	83	12190	1.800	ug/l	97
40) Benzene	8.344	78	37379	2.177	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	5465m	3.557	ug/l	
42) 1,2-Dichloroethane	8.414	62	13747	2.640	ug/l	93
43) Isopropyl Acetate	8.444	43	14054	2.747	ug/l #	92
44) Trichloroethene	9.108	130	10949	2.272	ug/l	74
45) 1,2-Dichloropropane	9.379	63	11704	2.486	ug/l	95
46) Dibromomethane	9.467	93	5980	2.582	ug/l	94
47) Bromodichloromethane	9.650	83	17845	2.643	ug/l	91
48) Methyl methacrylate	9.450	41	7037	2.881	ug/l	91
49) 1,4-Dioxane	9.455	88	1327	47.782	ug/l #	88
51) 4-Methyl-2-Pentanone	10.220	43	36371	13.535	ug/l	97
52) Toluene	10.397	92	24690	2.186	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	15311	2.482	ug/l	91
54) cis-1,3-Dichloropropene	10.085	75	15914	2.232	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	11120	3.152	ug/l #	89
56) Ethyl methacrylate	10.650	69	11093	2.684	ug/l	97
57) 1,3-Dichloropropane	10.938	76	14277	2.411	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	15970	8.595	ug/l	98
59) 2-Hexanone	10.979	43	27707	14.929	ug/l	99
60) Dibromochloromethane	11.132	129	11953	2.611	ug/l	98
61) 1,2-Dibromoethane	11.238	107	9026	2.831	ug/l	96
64) Tetrachloroethene	10.867	164	9103	2.271	ug/l	94
65) Chlorobenzene	11.661	112	30589	2.426	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.732	131	12376	2.482	ug/l	98
67) Ethyl Benzene	11.738	91	47144	2.093	ug/l	94
68) m/p-Xylenes	11.849	106	33745	3.946	ug/l	96
69) o-Xylene	12.179	106	16711	2.043	ug/l	99
70) Styrene	12.185	104	28690	2.008	ug/l	96
71) Bromoform	12.355	173	7023	2.636	ug/l #	92
73) Isopropylbenzene	12.473	105	45890	2.097	ug/l	99
74) N-amyl acetate	12.279	43	14368	3.055	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	12286	3.139	ug/l	91
76) 1,2,3-Trichloropropane	12.773	75	8755m	2.874	ug/l	
77) Bromobenzene	12.749	156	12722	2.582	ug/l	95
78) n-propylbenzene	12.814	91	58055	2.184	ug/l	99
79) 2-Chlorotoluene	12.896	91	34931	2.272	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	43307	2.303	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	3031m	2.468	ug/l	
82) 4-Chlorotoluene	12.996	91	35753	2.246	ug/l	98
83) tert-Butylbenzene	13.214	119	32320	1.961	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	41167	2.222	ug/l	99
85) sec-Butylbenzene	13.391	105	50414	2.036	ug/l	96
86) p-Isopropyltoluene	13.508	119	38935	1.911	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	25716	2.491	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	25430	2.484	ug/l	80
89) n-Butylbenzene	13.832	91	42045	2.165	ug/l	94
90) Hexachloroethane	14.096	117	9016	2.258	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	23543	2.615	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1644	2.632	ug/l	85
93) 1,2,4-Trichlorobenzene	15.149	180	14530	2.438	ug/l	96
94) Hexachlorobutadiene	15.255	225	8039	2.319	ug/l	97
95) Naphthalene	15.390	128	24669	2.401	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.579	180	12460	2.415	ug/l	98

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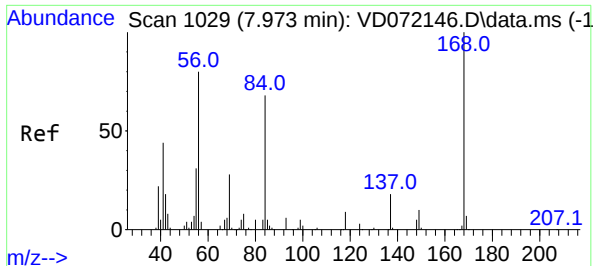
Manual Integrations
APPROVED

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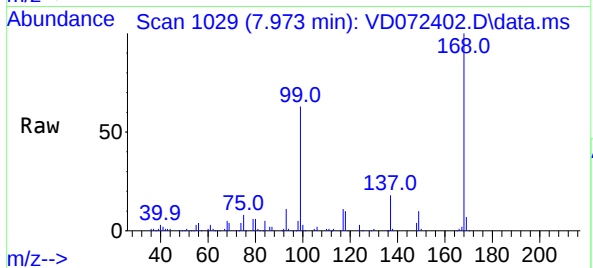
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
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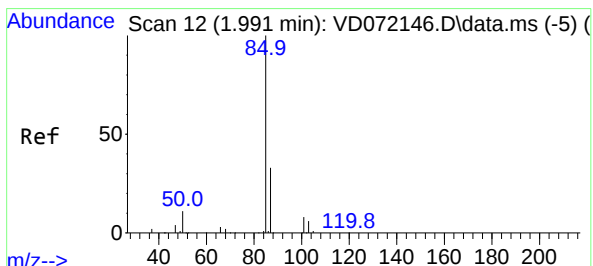
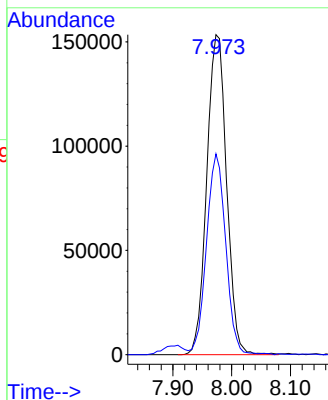
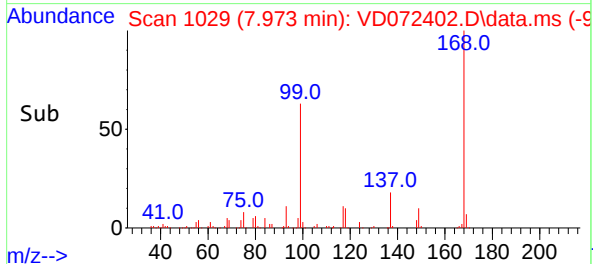
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:168 Resp: 35940
Ion Ratio Lower Upper
168 100
99 62.5 49.8 74.6

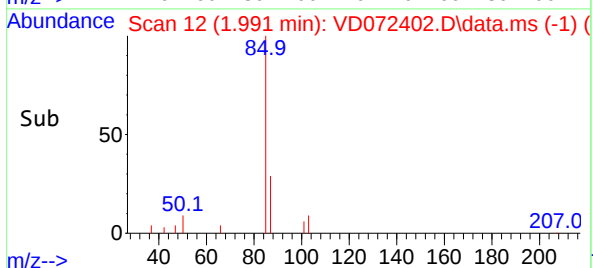
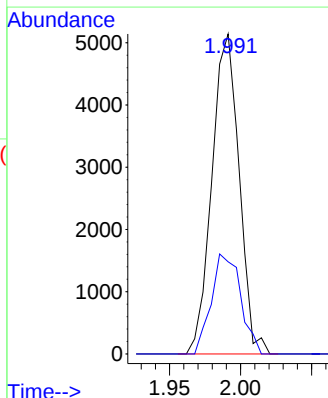
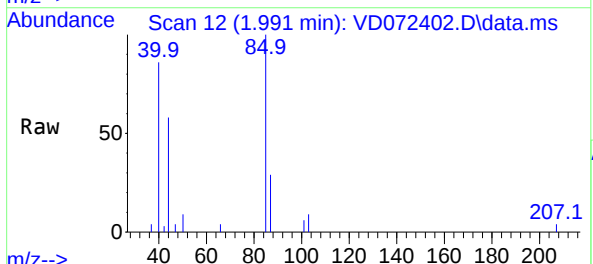
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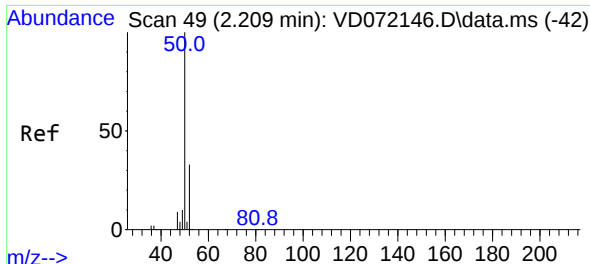
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



Dichlorodifluoromethane
Concen: 2.058 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

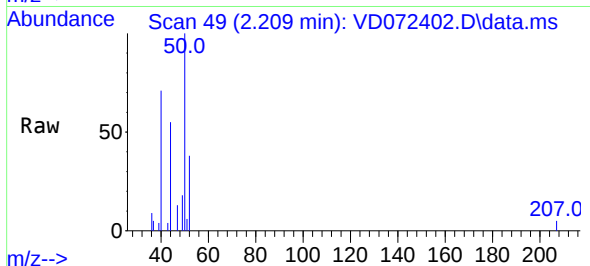
Tgt Ion: 85 Resp: 6841
Ion Ratio Lower Upper
85 100
87 28.8 15.7 47.0





#3
Chloromethane
Concen: 2.219 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

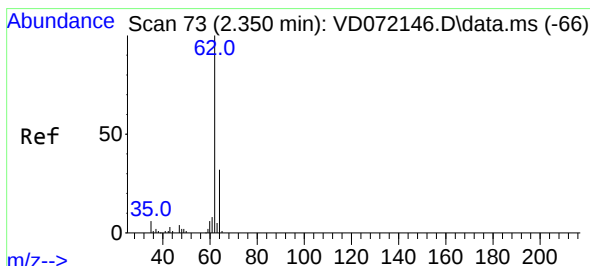
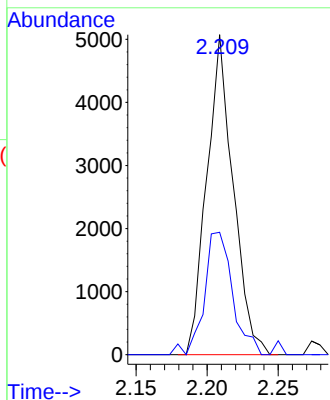
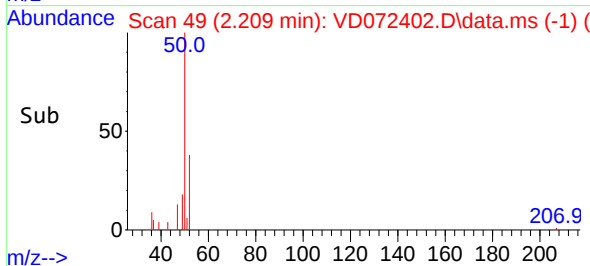
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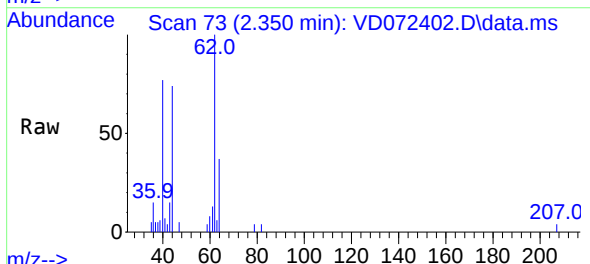
Tgt Ion: 50 Resp: 6554
Ion Ratio Lower Upper
50 100
52 34.9 27.4 41.0

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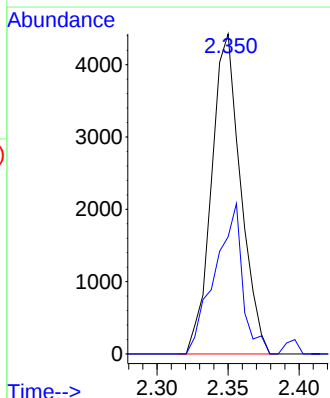
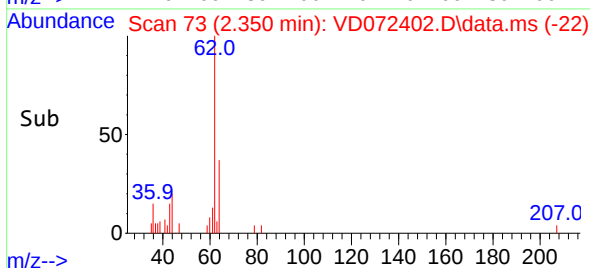
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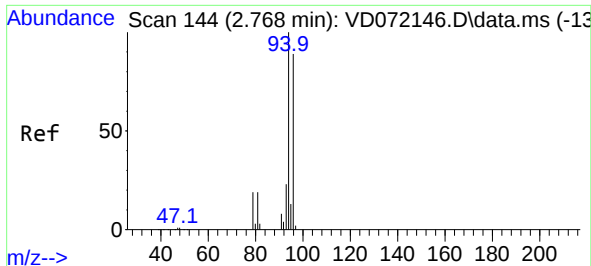


#4
Vinyl Chloride
Concen: 2.212 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



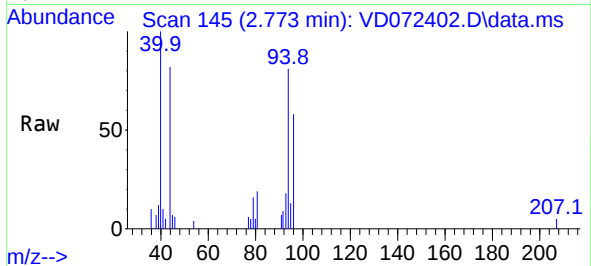
Tgt Ion: 62 Resp: 6308
Ion Ratio Lower Upper
62 100
64 36.6 25.4 38.0





#5
Bromomethane
Concen: 3.164 ug/l
RT: 2.773 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

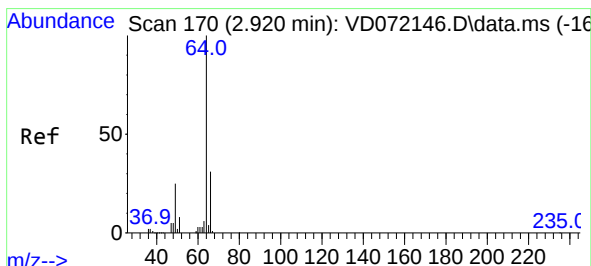
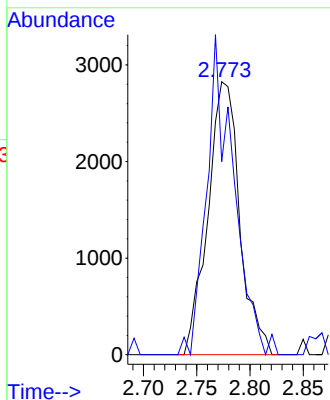
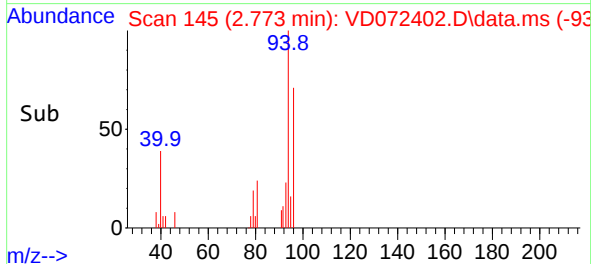
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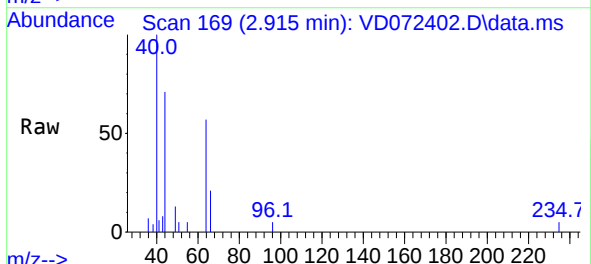
Tgt Ion: 94 Resp: 587
Ion Ratio Lower Upper
94 100
96 70.7 77.6 116.4

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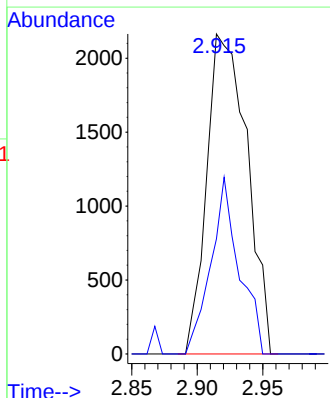
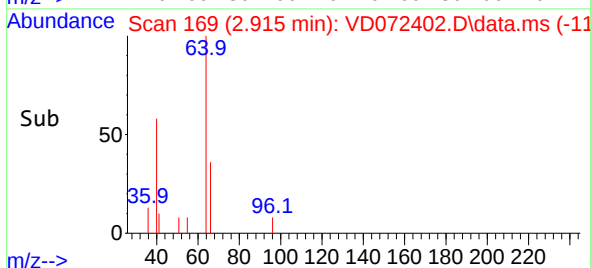
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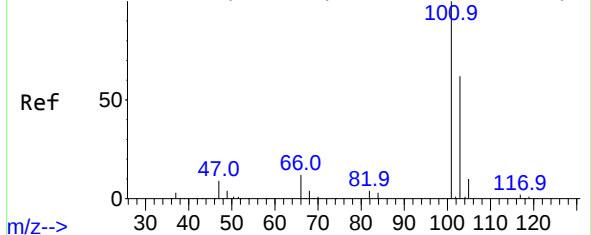
#6
Chloroethane
Concen: 2.452 ug/l
RT: 2.915 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



Tgt Ion: 64 Resp: 4622
Ion Ratio Lower Upper
64 100
66 36.0 25.9 38.9



Abundance Scan 230 (3.273 min): VD072146.D\data.ms (-21



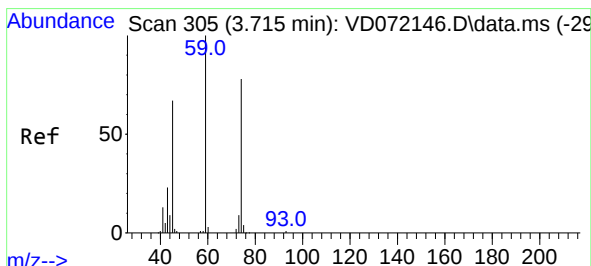
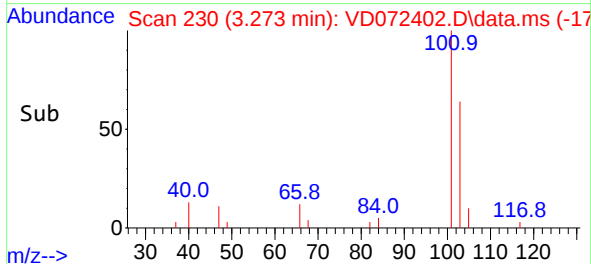
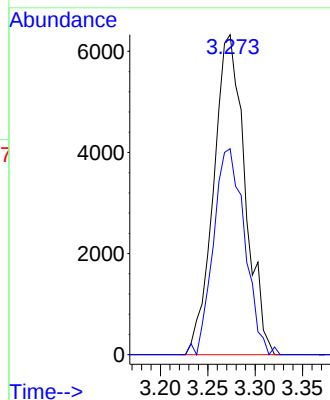
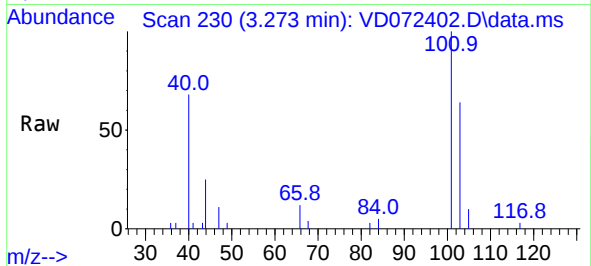
#7
Trichlorofluoromethane
Concen: 2.272 ug/l
RT: 3.273 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:101 Resp: 14630
Ion Ratio Lower Upper
101 100
103 64.4 50.1 75.1

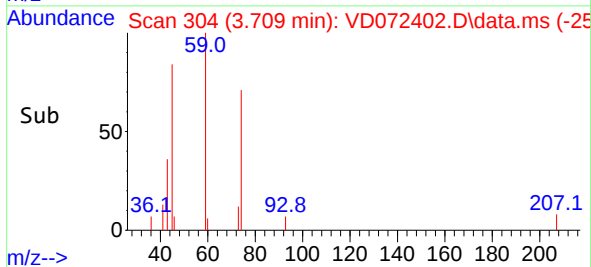
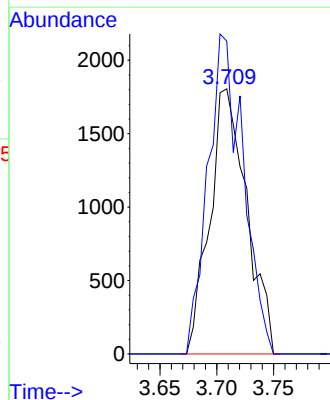
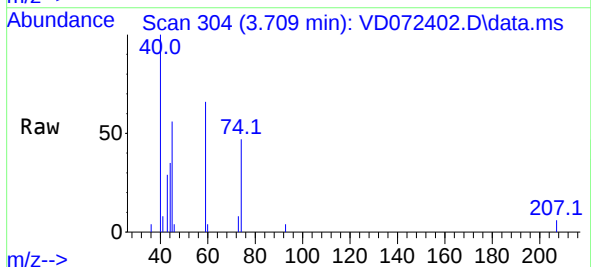
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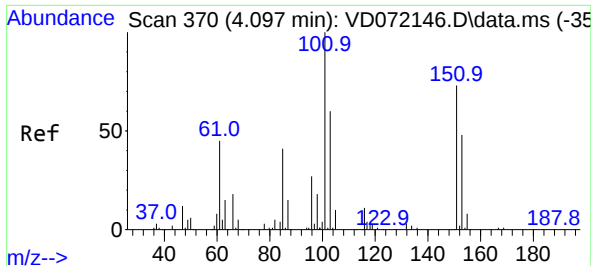
Reviewed By :John Carlone 03/25/2022
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#8
Diethyl Ether
Concen: 2.298 ug/l
RT: 3.709 min Scan# 304
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Tgt Ion: 74 Resp: 4087
Ion Ratio Lower Upper
74 100
45 114.3 52.6 157.8





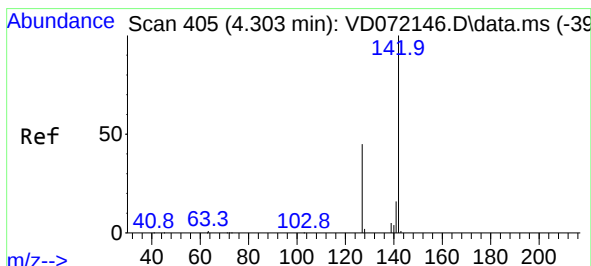
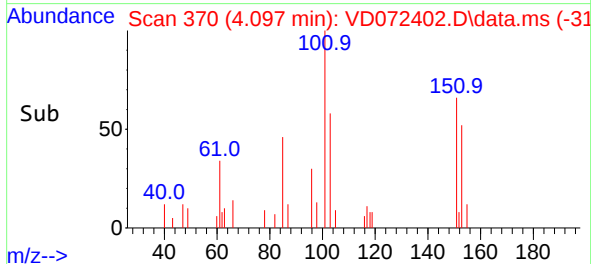
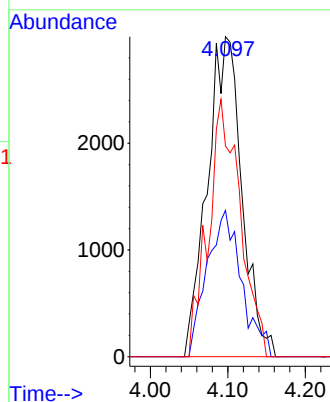
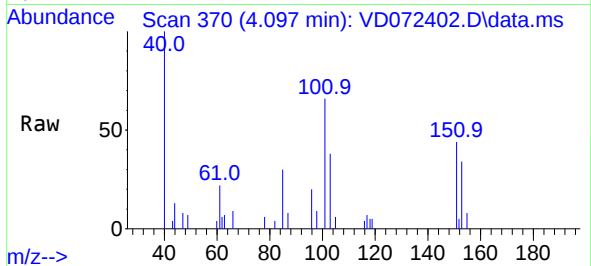
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.273 ug/l
RT: 4.097 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:101 Resp: 933
Ion Ratio Lower Upper
101 100
85 45.4 36.4 54.6
151 73.6 57.3 85.9

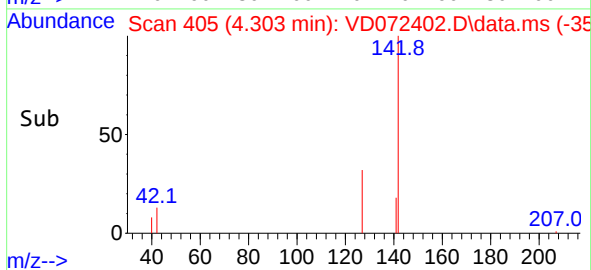
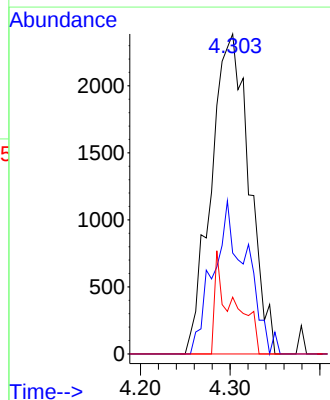
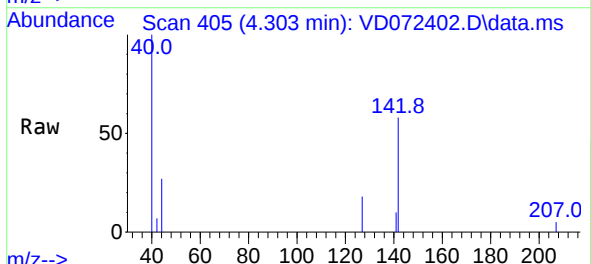
Manual Integrations
APPROVED

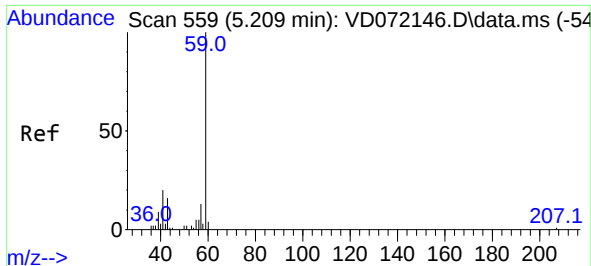
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#10
Methyl Iodide
Concen: 2.133 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

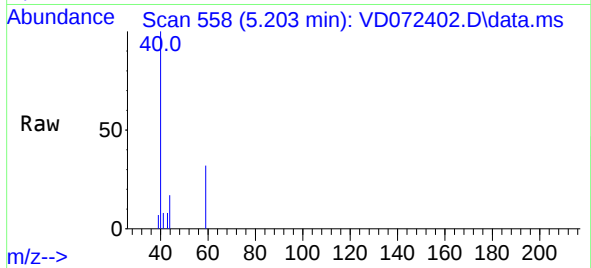
Tgt Ion:142 Resp: 7005
Ion Ratio Lower Upper
142 100
127 42.1 37.3 55.9
141 7.3 11.7 17.5#





#11
Tert butyl alcohol
Concen: 16.759 ug/l m
RT: 5.203 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

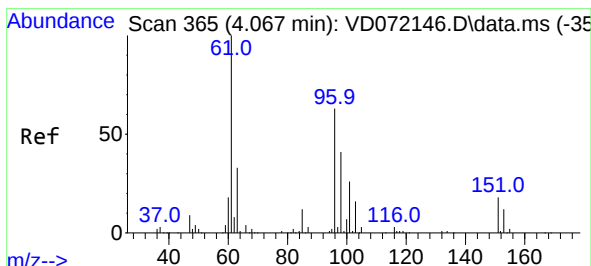
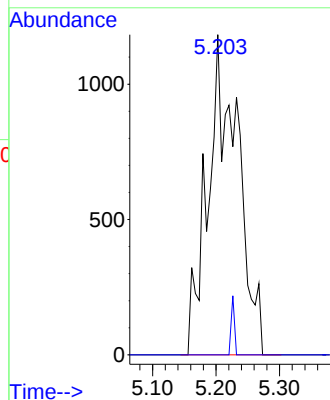
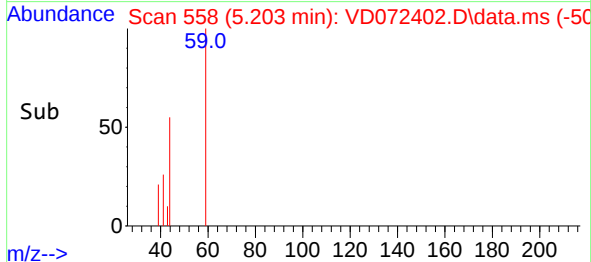
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



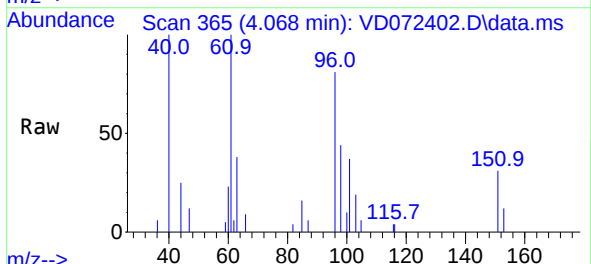
Tgt Ion: 59 Resp: 3892
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6

Manual Integrations
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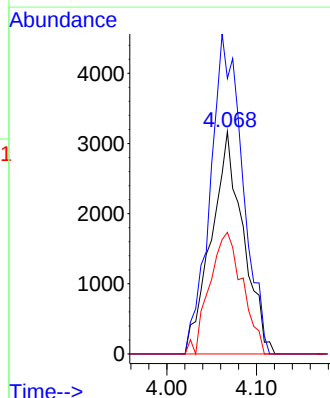
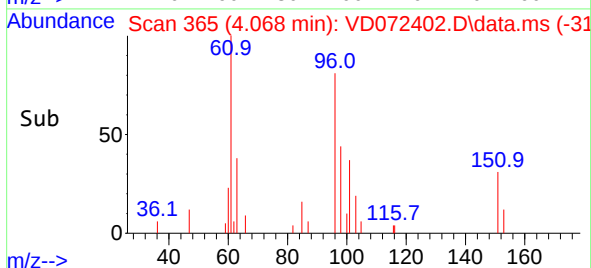
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

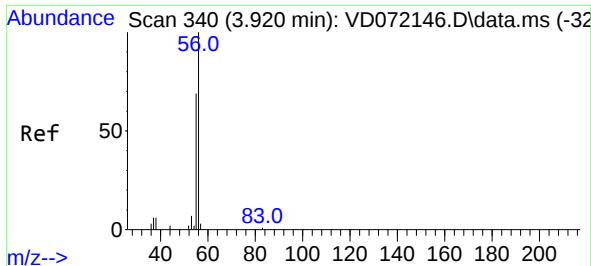


#12
1,1-Dichloroethene
Concen: 2.372 ug/l
RT: 4.068 min Scan# 365
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



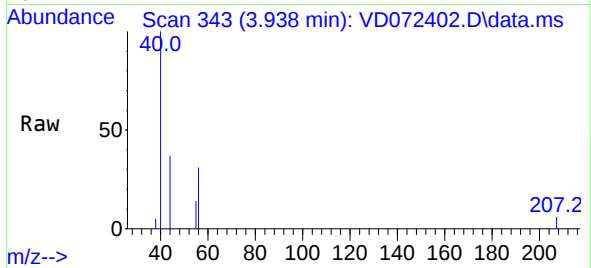
Tgt Ion: 96 Resp: 7835
Ion Ratio Lower Upper
96 100
61 124.0 138.5 207.7#
98 54.7 48.6 73.0





#13
Acrolein
Concen: 15.345 ug/l
RT: 3.938 min Scan# 341
Delta R.T. 0.018 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

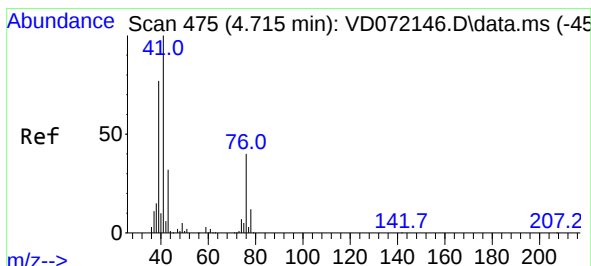
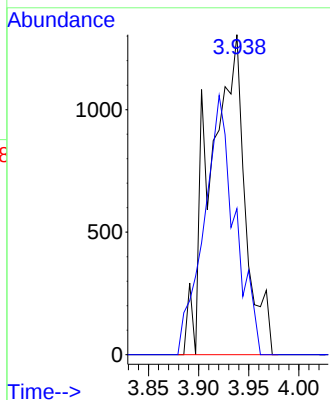
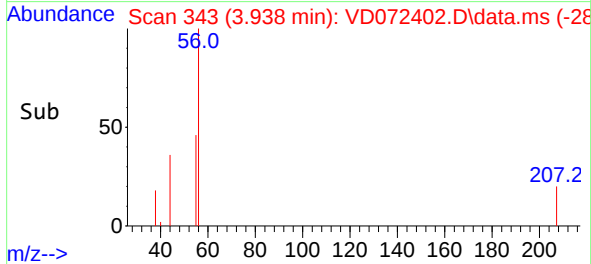
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



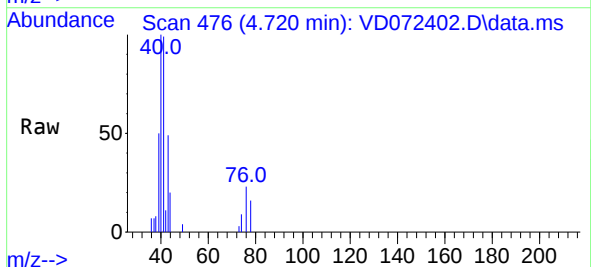
Tgt Ion: 56 Resp: 3180
Ion Ratio Lower Upper
56 100
55 72.0 57.1 85.7

Manual Integrations
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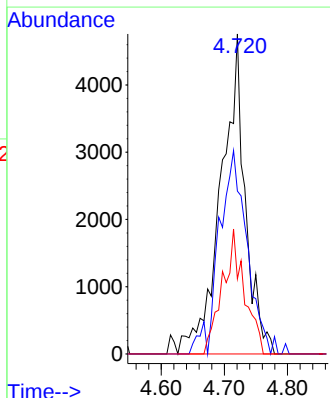
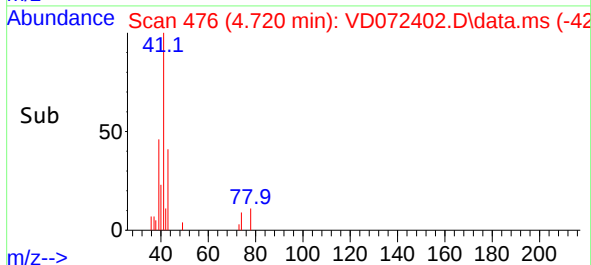
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

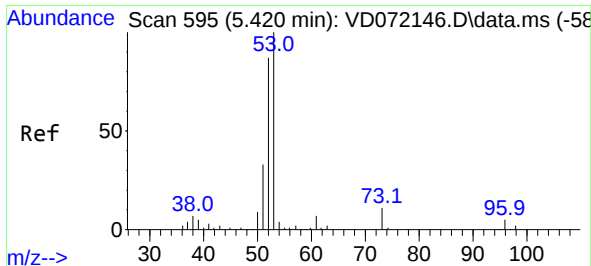


#14
Allyl chloride
Concen: 2.202 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



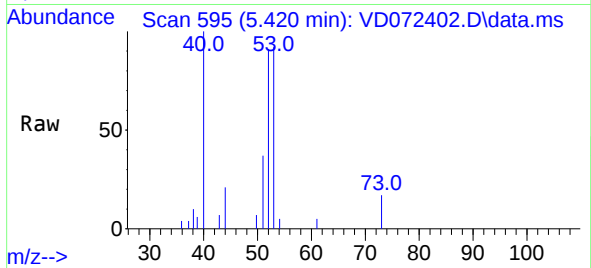
Tgt Ion: 41 Resp: 12717
Ion Ratio Lower Upper
41 100
39 73.1 59.3 88.9
76 34.8 25.7 38.5





#15
Acrylonitrile
Concen: 13.609 ug/l
RT: 5.420 min Scan# 595
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

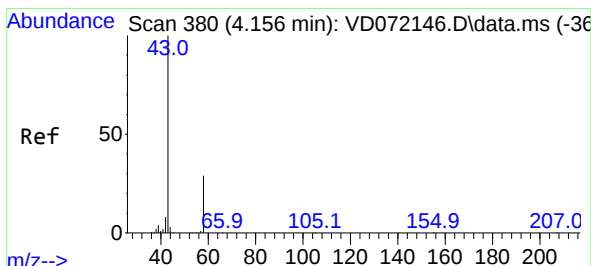
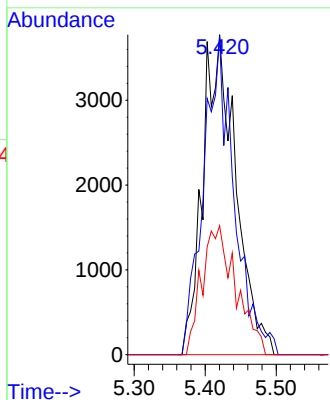
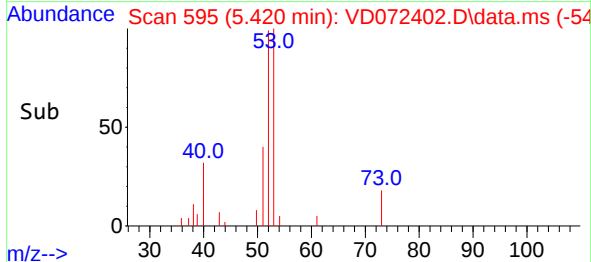
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



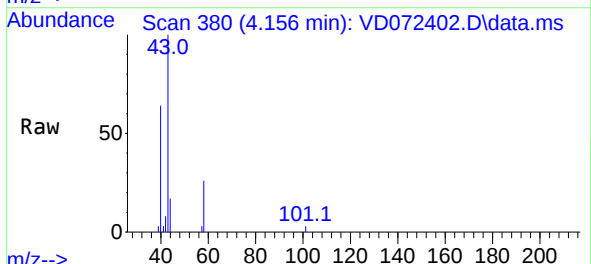
Tgt Ion: 53 Resp: 1221
Ion Ratio Lower Upper
53 100
52 92.3 67.2 100.8
51 41.6 30.3 45.5

Manual Integrations
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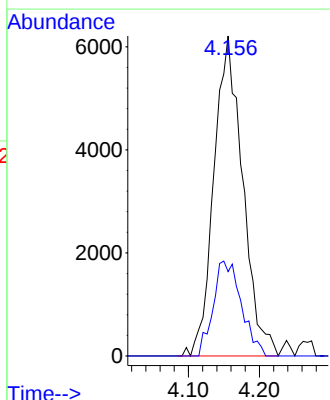
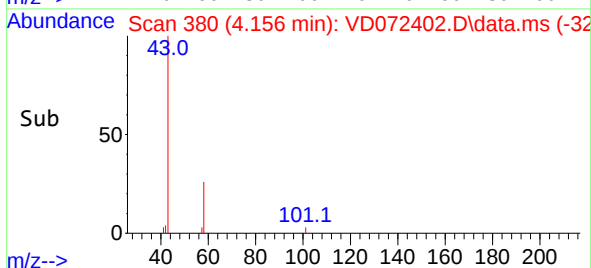
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

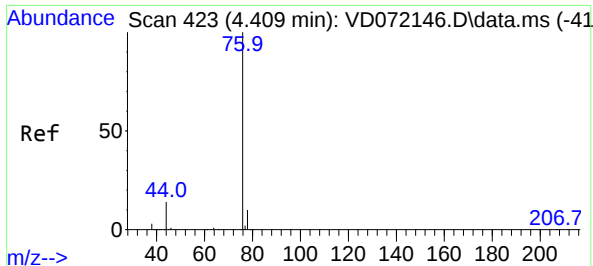


#16
Acetone
Concen: 20.089 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



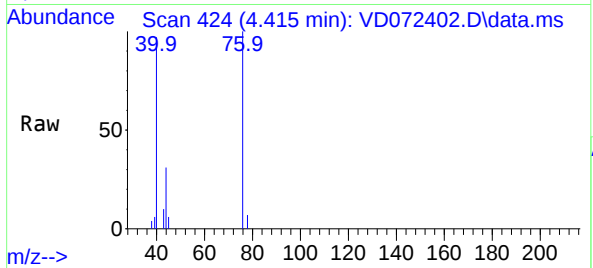
Tgt Ion: 43 Resp: 17470
Ion Ratio Lower Upper
43 100
58 26.4 22.1 33.1





#17
Carbon Disulfide
Concen: 1.517 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

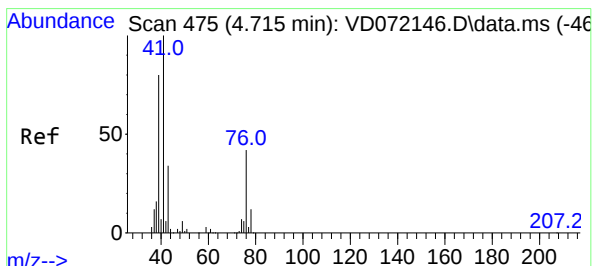
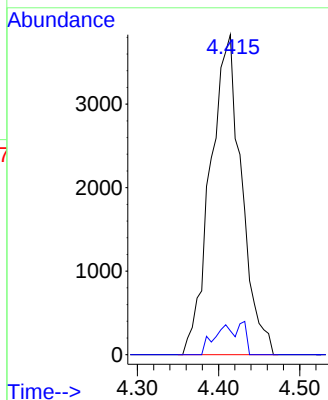
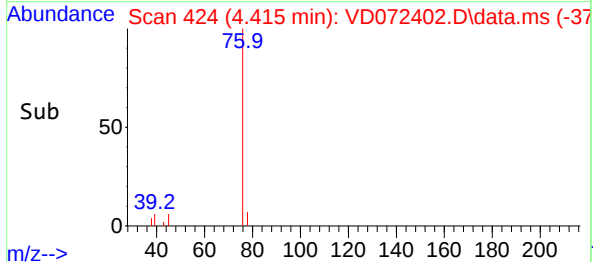
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



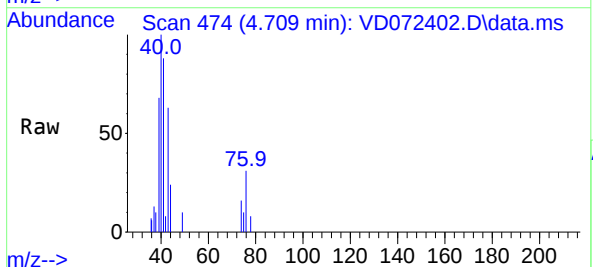
Tgt Ion: 76 Resp: 10220
Ion Ratio Lower Upper
76 100
78 7.4 7.5 11.3

Manual Integrations
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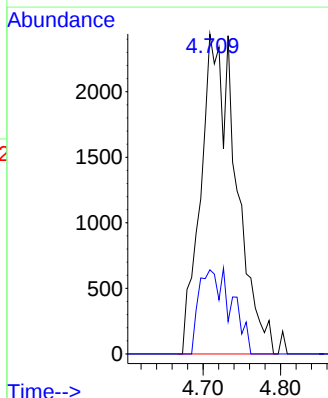
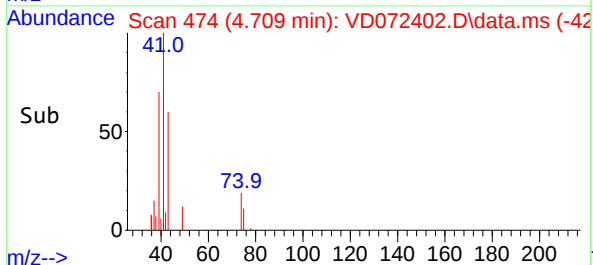
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

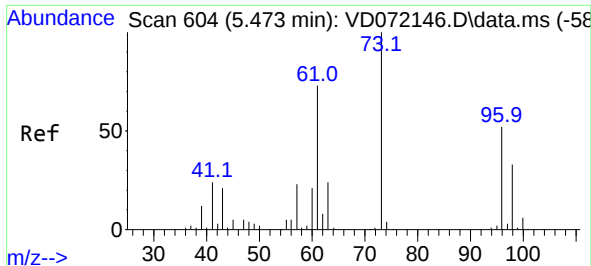


#18
Methyl Acetate
Concen: 3.637 ug/l
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



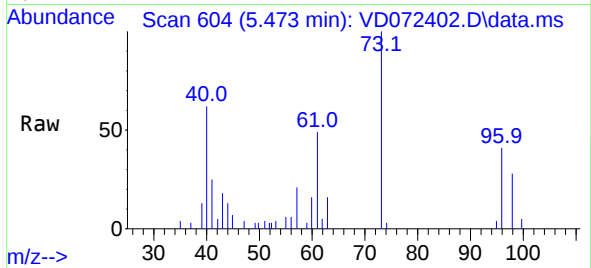
Tgt Ion: 43 Resp: 7751
Ion Ratio Lower Upper
43 100
74 24.2 16.7 25.1





#19
Methyl tert-butyl Ether
Concen: 2.620 ug/l
RT: 5.473 min Scan# 604
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

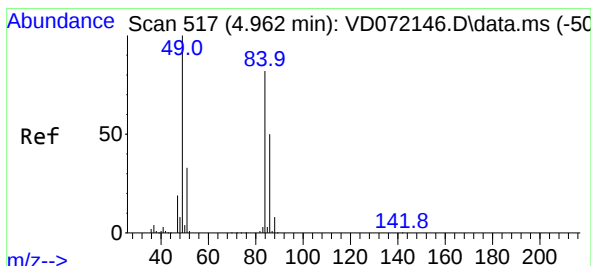
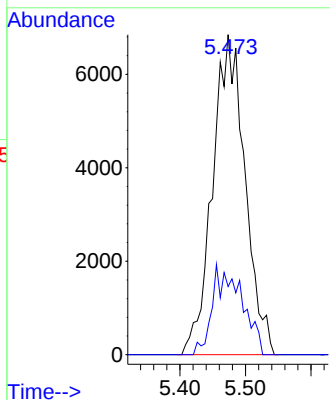
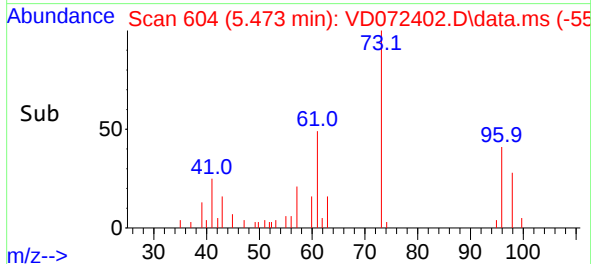
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



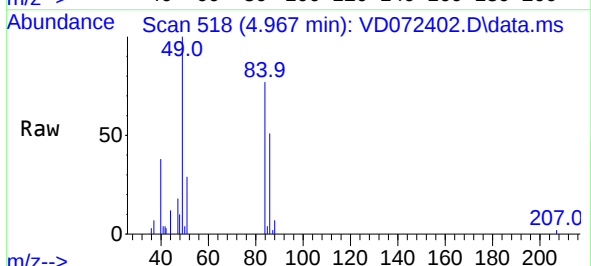
Tgt Ion: 73 Resp: 23519
Ion Ratio Lower Upper
73 100
57 21.3 18.0 27.0

Manual Integrations
APPROVED

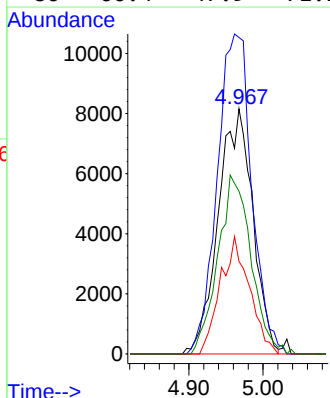
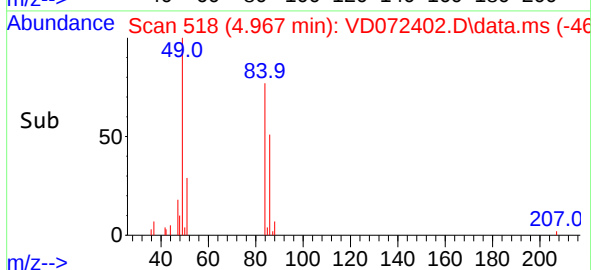
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

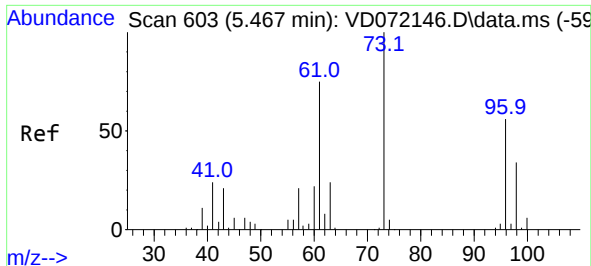


#20
Methylene Chloride
Concen: 5.047 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



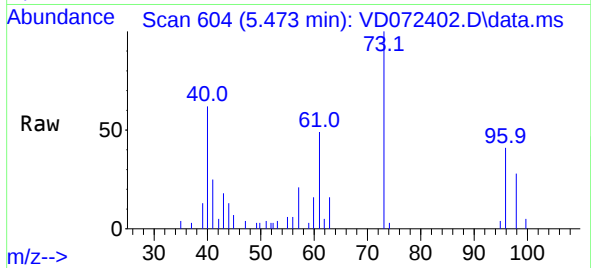
Tgt Ion: 84 Resp: 26379
Ion Ratio Lower Upper
84 100
49 129.2 112.8 169.2
51 37.7 32.6 48.8
86 66.4 47.9 71.9





#21
trans-1,2-Dichloroethene
Concen: 2.120 ug/l
RT: 5.473 min Scan# 603
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

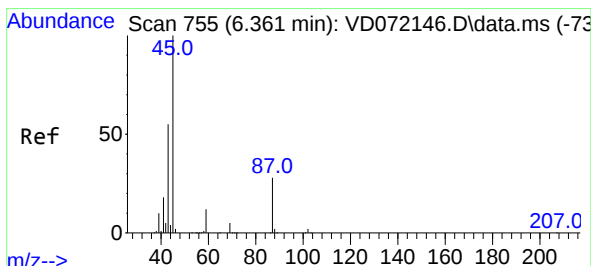
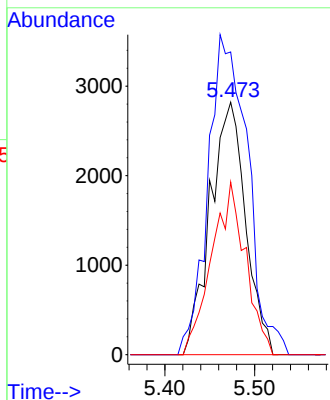
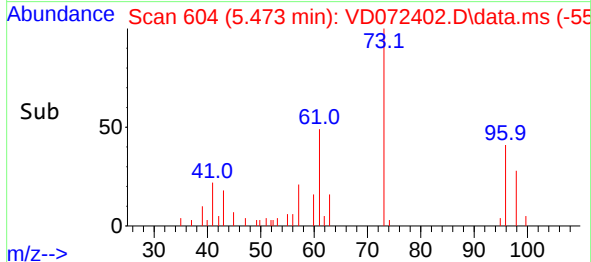
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 96 Resp: 7745
Ion Ratio Lower Upper
96 100
61 119.9 117.9 176.9
98 68.4 49.4 74.2

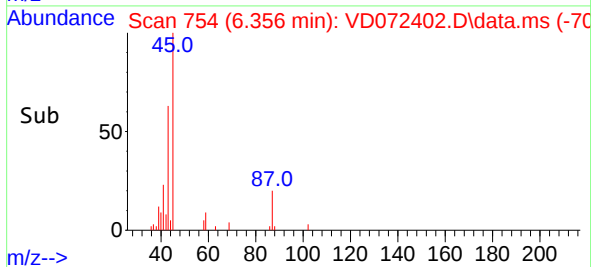
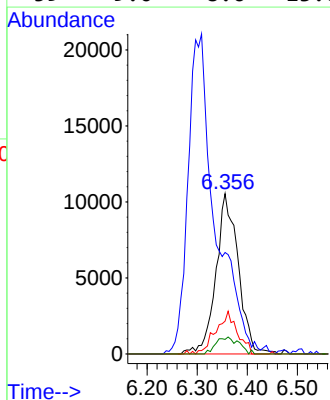
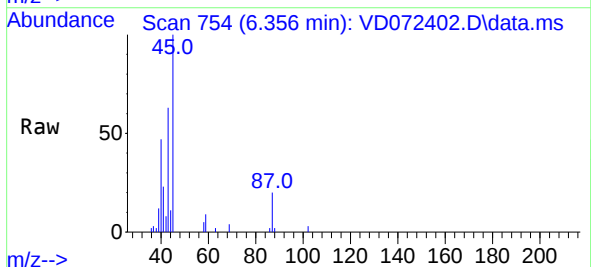
Manual Integrations
APPROVED

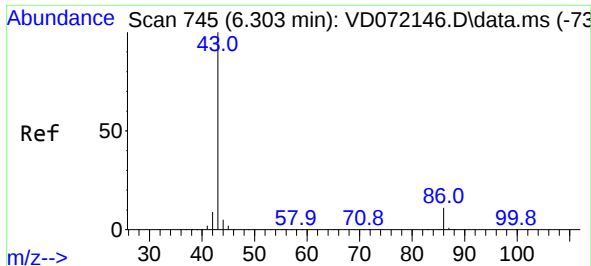
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#22
Diisopropyl ether
Concen: 2.474 ug/l
RT: 6.356 min Scan# 754
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

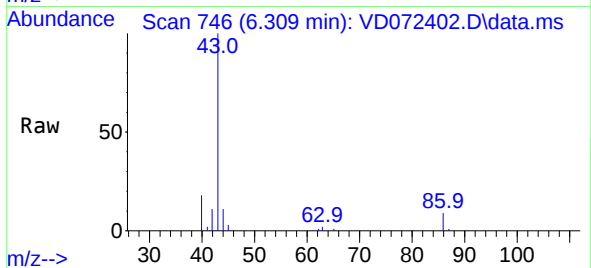
Tgt Ion: 45 Resp: 32585
Ion Ratio Lower Upper
45 100
43 61.6 46.6 70.0
87 20.5 18.4 27.6
59 9.0 8.6 13.0





#23
 Vinyl Acetate
 Concen: 11.779 ug/l
 RT: 6.309 min Scan# 745
 Delta R.T. 0.006 min
 Lab File: VD072402.D
 Acq: 24 Mar 2022 12:36

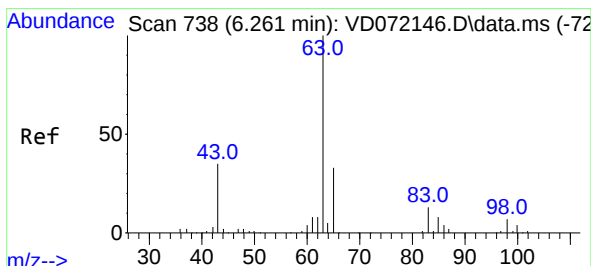
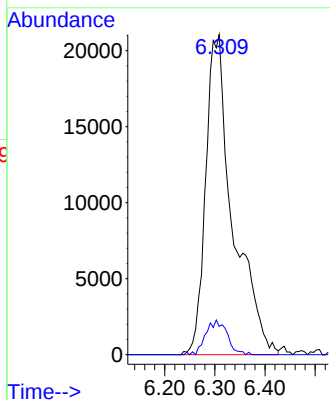
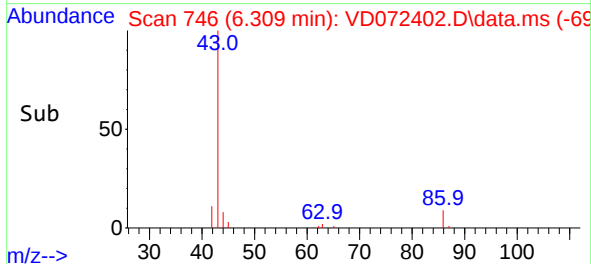
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022



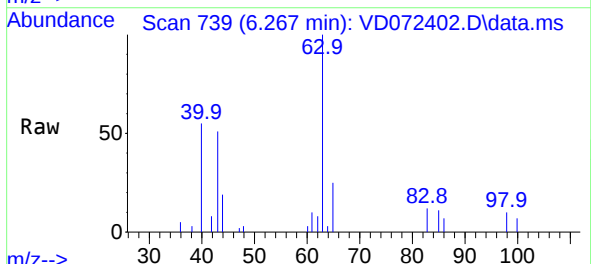
Tgt Ion: 43 Resp: 7918
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7

Manual Integrations
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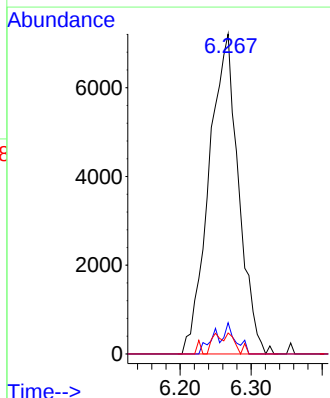
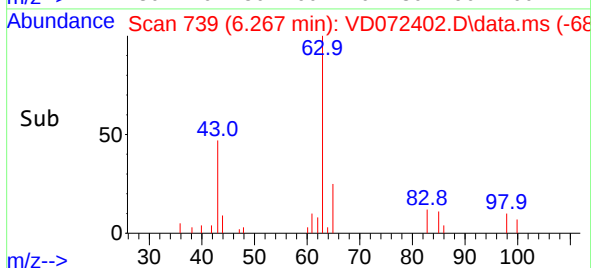
Reviewed By :John Carlone 03/25/2022
 Supervised By :Mahesh Dadoda 03/25/2022

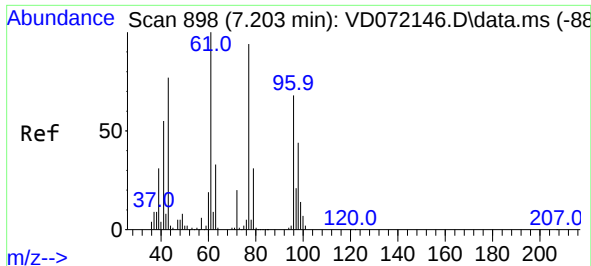


#24
 1,1-Dichloroethane
 Concen: 2.685 ug/l
 RT: 6.267 min Scan# 739
 Delta R.T. 0.006 min
 Lab File: VD072402.D
 Acq: 24 Mar 2022 12:36



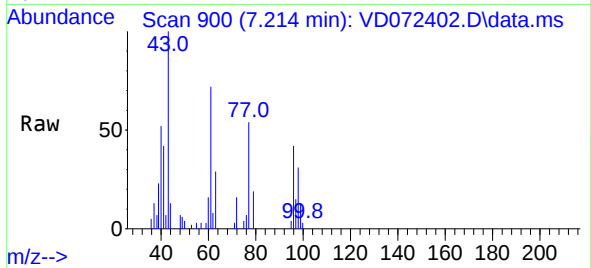
Tgt Ion: 63 Resp: 20858
 Ion Ratio Lower Upper
 63 100
 98 9.7 3.6 10.9
 100 6.6 2.1 6.5#





#25
2-Butanone
Concen: 16.785 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

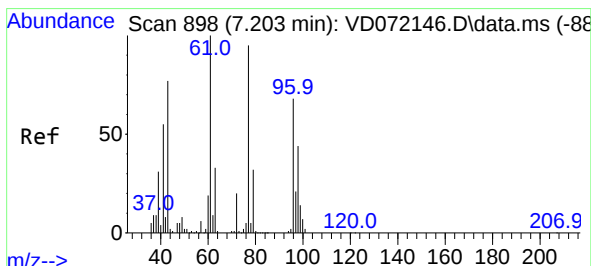
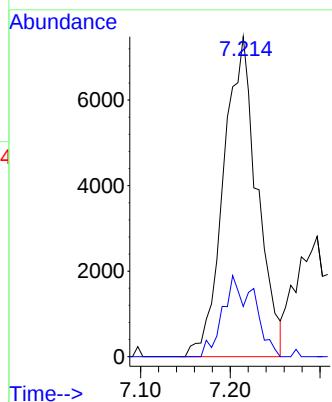
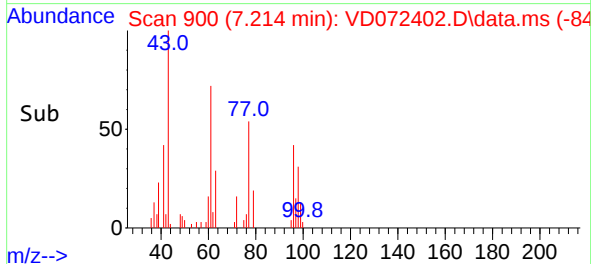
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



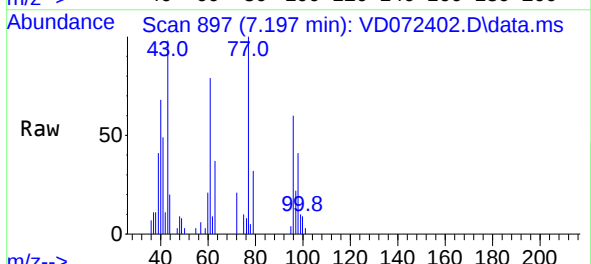
Tgt Ion: 43 Resp: 1946
Ion Ratio Lower Upper
43 100
72 15.7 18.6 27.8

Manual Integrations
APPROVED

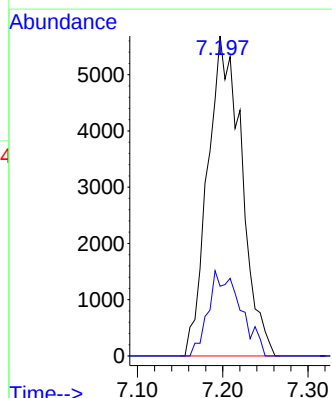
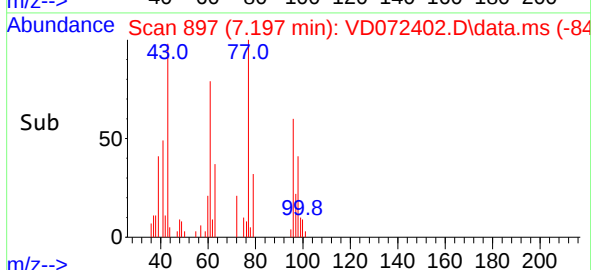
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

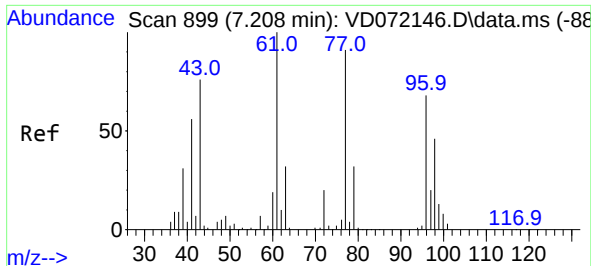


#26
2,2-Dichloropropane
Concen: 2.240 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



Tgt Ion: 77 Resp: 15704
Ion Ratio Lower Upper
77 100
97 25.2 10.8 32.4





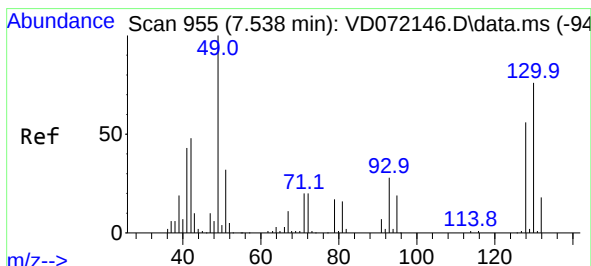
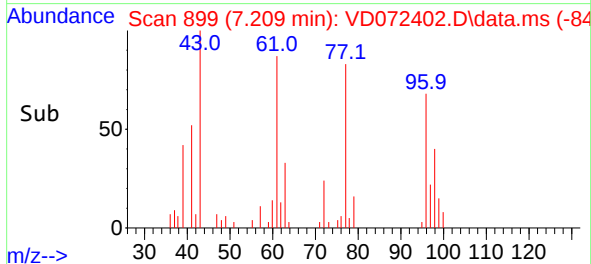
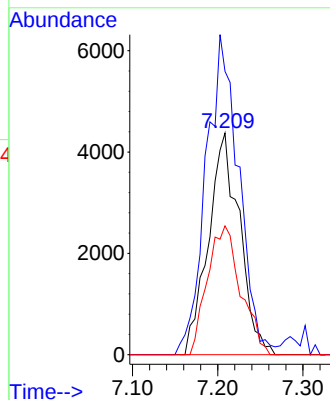
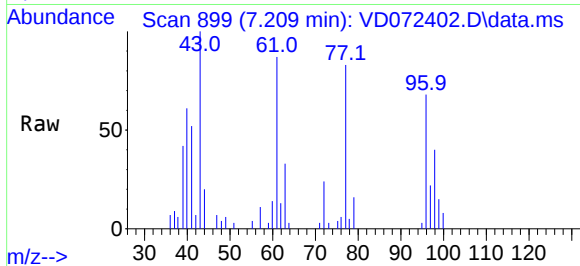
#27
cis-1,2-Dichloroethene
Concen: 2.387 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 96 Resp: 11130
Ion Ratio Lower Upper
96 100
61 151.3 0.0 313.8
98 62.1 0.0 128.8

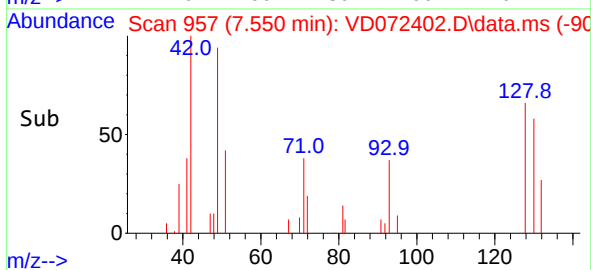
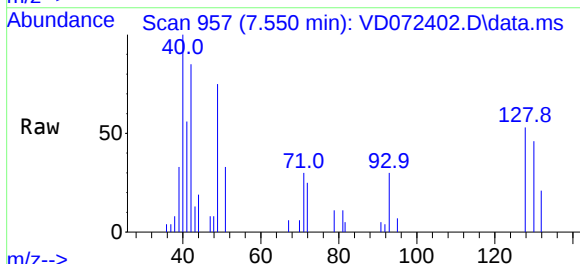
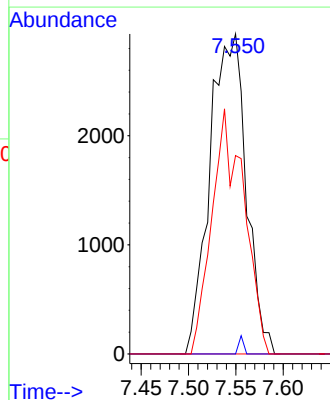
Manual Integrations
APPROVED

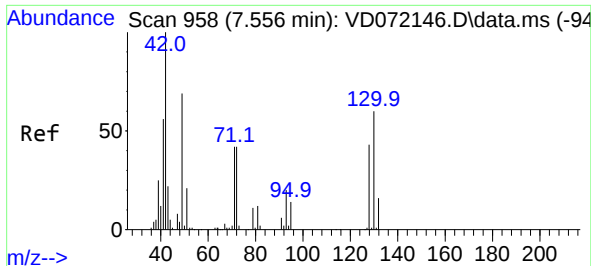
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#28
Bromochloromethane
Concen: 2.509 ug/l
RT: 7.550 min Scan# 957
Delta R.T. 0.012 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

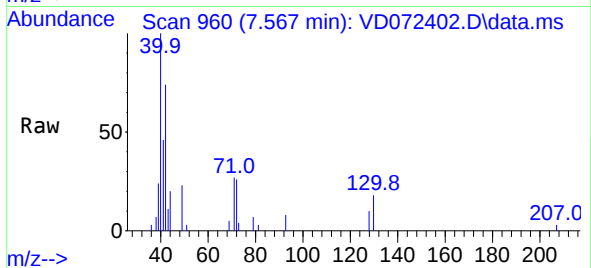
Tgt Ion: 49 Resp: 7847
Ion Ratio Lower Upper
49 100
129 0.8 0.0 4.0
130 67.8 52.6 79.0





#29
Tetrahydrofuran
Concen: 13.605 ug/l
RT: 7.567 min Scan# 90
Delta R.T. 0.012 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

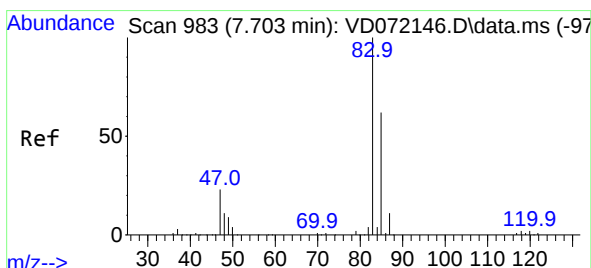
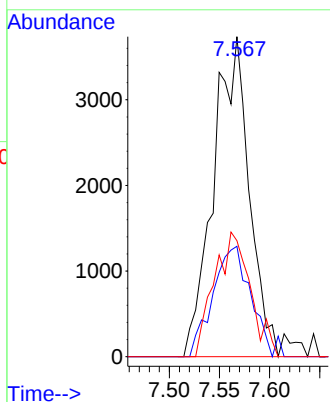
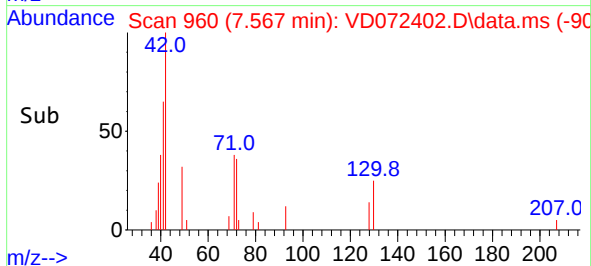
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 42 Resp: 9270
Ion Ratio Lower Upper
42 100
72 37.0 30.7 46.1
71 39.1 28.6 43.0

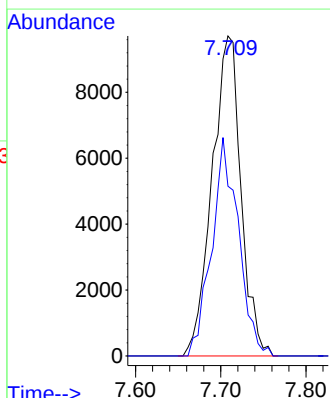
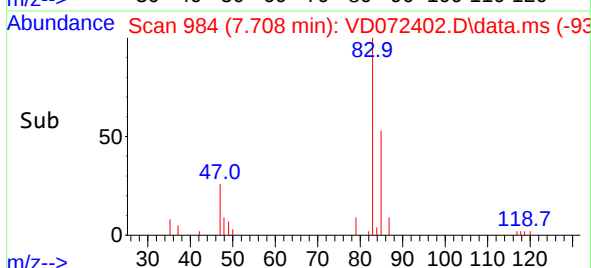
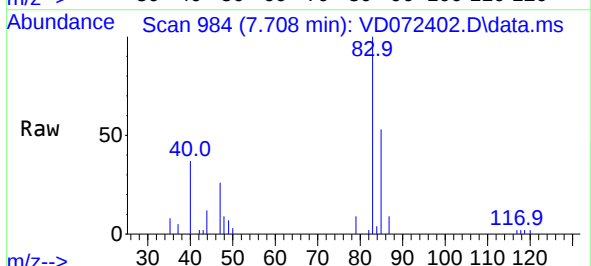
Manual Integrations
APPROVED

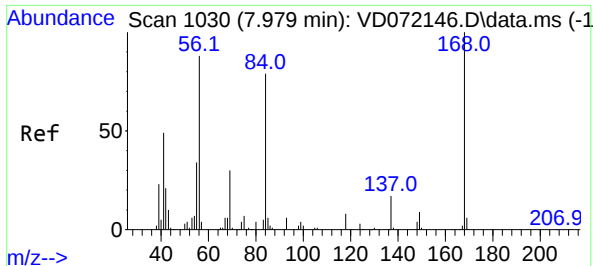
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#30
Chloroform
Concen: 2.772 ug/l
RT: 7.708 min Scan# 984
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Tgt Ion: 83 Resp: 22941
Ion Ratio Lower Upper
83 100
85 53.1 52.7 79.1





#31

Cyclohexane

Concen: 3.017 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072402.D

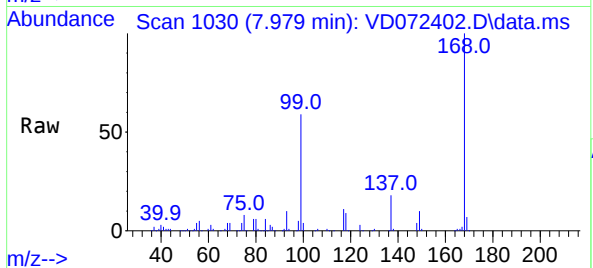
Acq: 24 Mar 2022 12:36

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 56 Resp: 18878

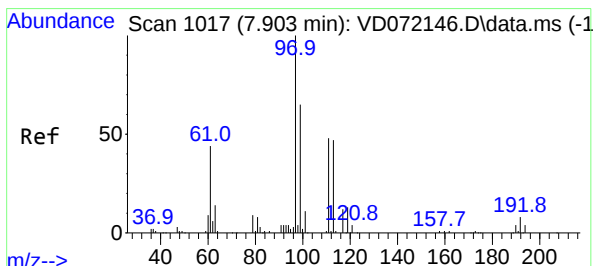
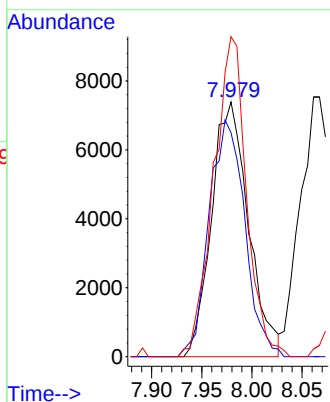
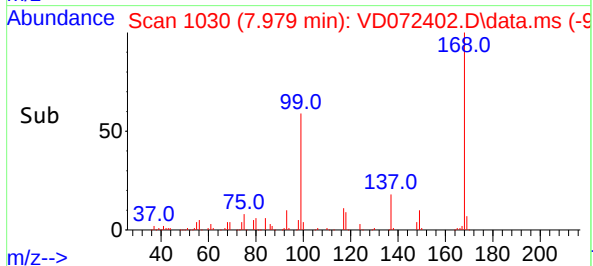
Ion	Ratio	Lower	Upper
56	100		
69	87.9	25.4	38.2
84	125.6	63.0	94.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/25/2022

Supervised By :Mahesh Dadoda 03/25/2022



#32

1,1,1-Trichloroethane

Concen: 2.319 ug/l

RT: 7.897 min Scan# 1016

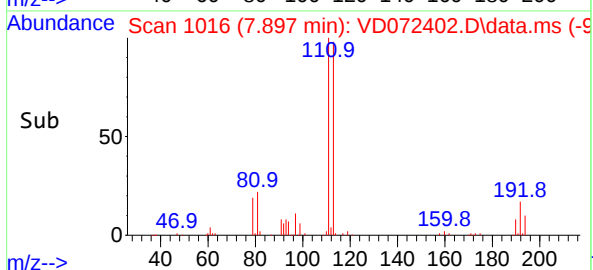
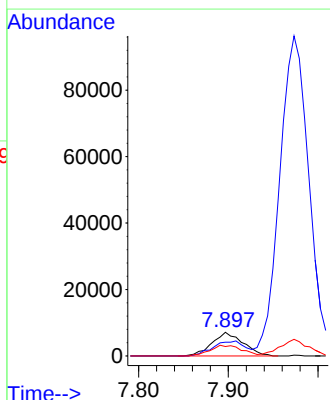
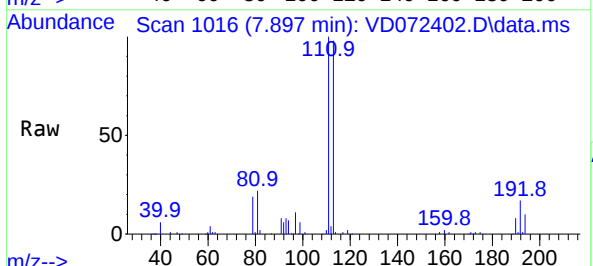
Delta R.T. -0.006 min

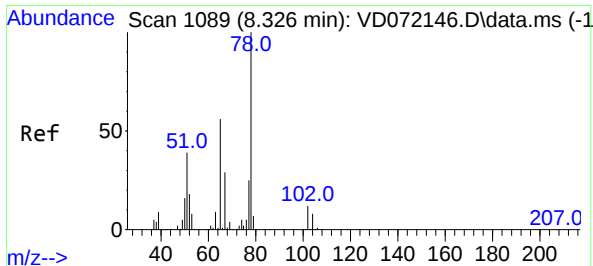
Lab File: VD072402.D

Acq: 24 Mar 2022 12:36

Tgt Ion: 97 Resp: 17048

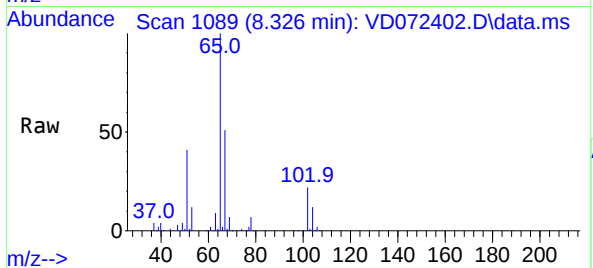
Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.4	78.6
61	46.5	38.0	57.0





#33
1,2-Dichloroethane-d4
Concen: 54.233 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

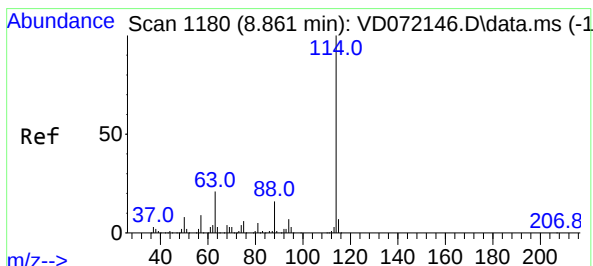
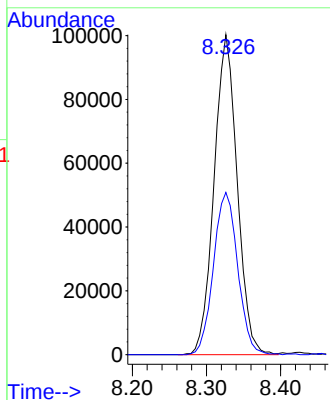
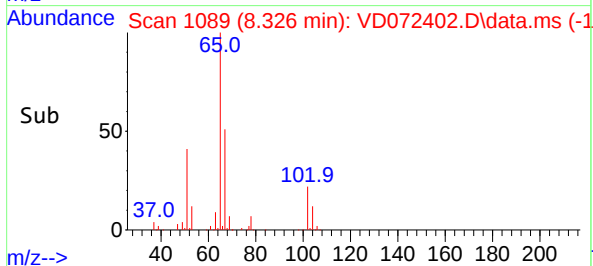
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



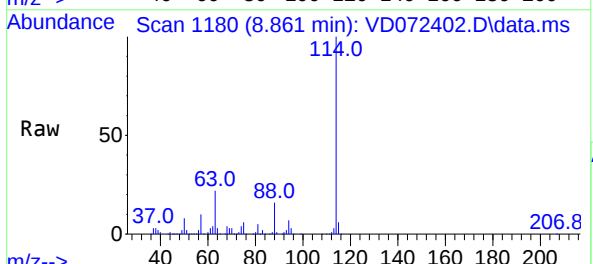
Tgt Ion: 65 Resp: 217220
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.4

Manual Integrations
APPROVED

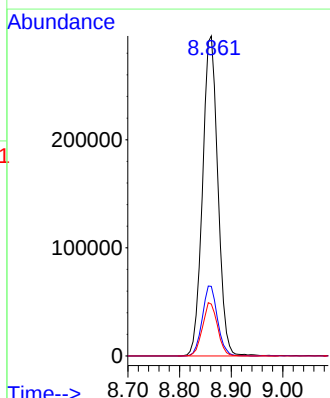
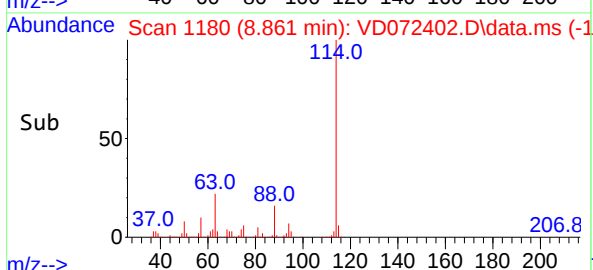
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

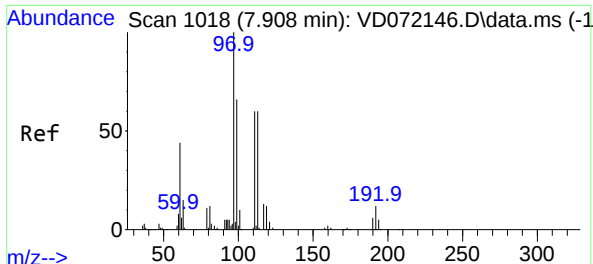


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



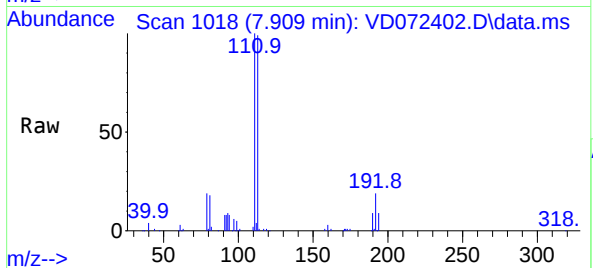
Tgt Ion:114 Resp: 609540
Ion Ratio Lower Upper
114 100
63 21.8 0.0 46.6
88 16.2 0.0 33.2





#35
Dibromofluoromethane
Concen: 52.579 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

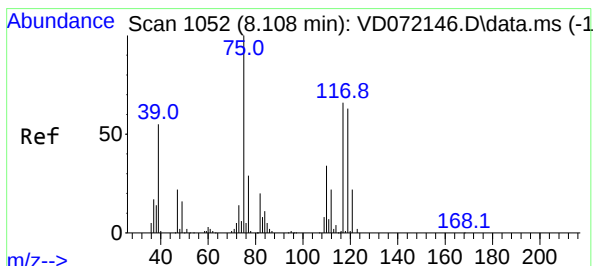
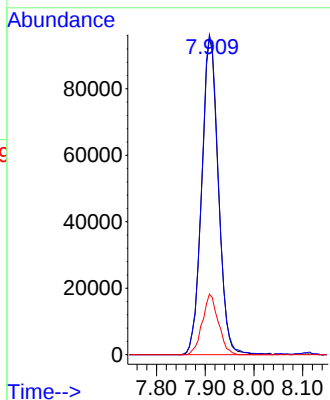
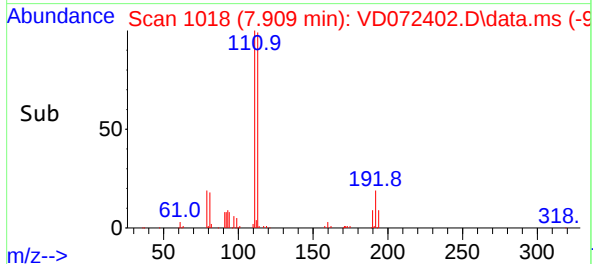
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:113 Resp: 225530
Ion Ratio Lower Upper
113 100
111 101.3 83.8 125.6
192 18.4 14.6 21.8

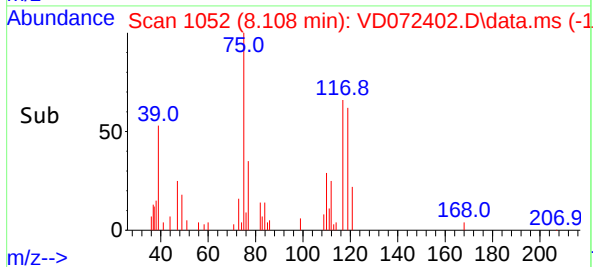
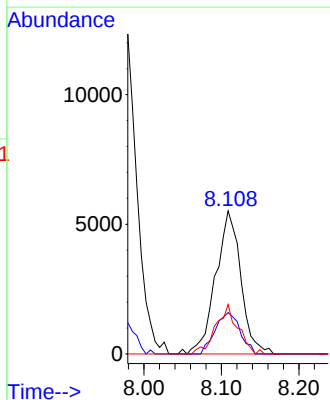
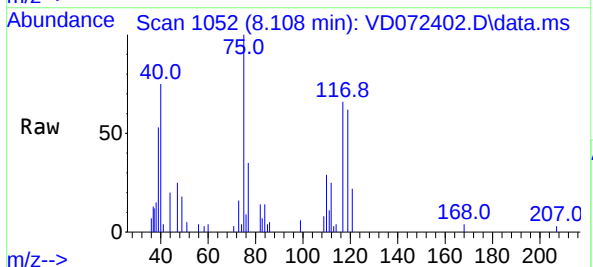
Manual Integrations
APPROVED

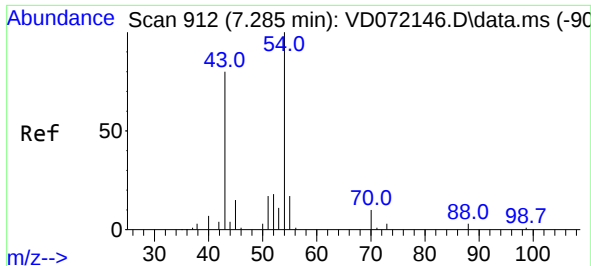
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#36
1,1-Dichloropropene
Concen: 2.074 ug/l
RT: 8.108 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

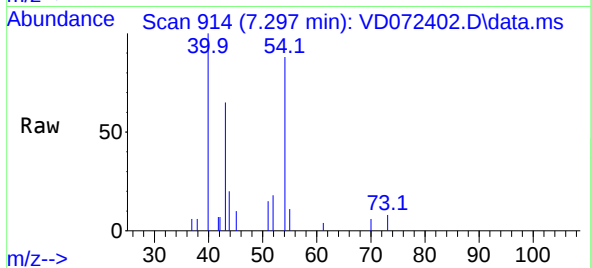
Tgt Ion: 75 Resp: 12478
Ion Ratio Lower Upper
75 100
110 28.5 16.4 49.1
77 30.5 24.2 36.2





#37
Ethyl Acetate
Concen: 3.060 ug/l
RT: 7.297 min Scan# 912
Delta R.T. 0.012 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

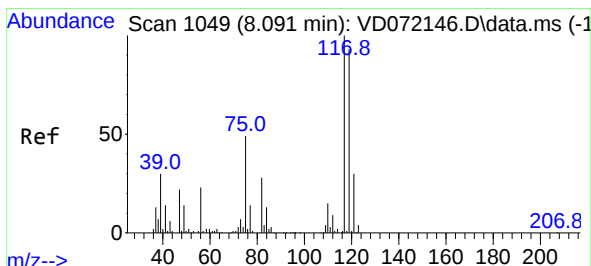
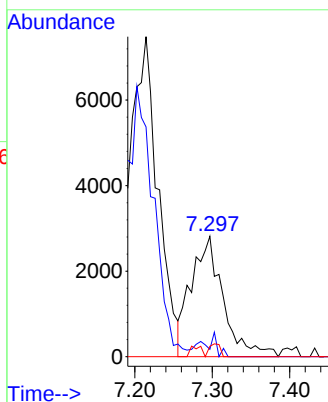
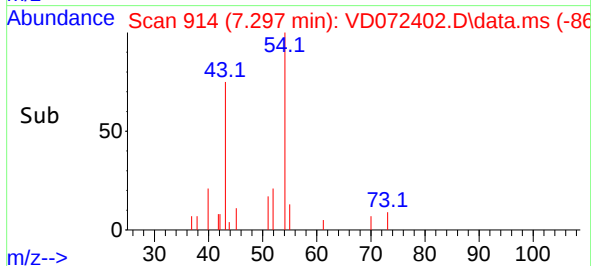
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



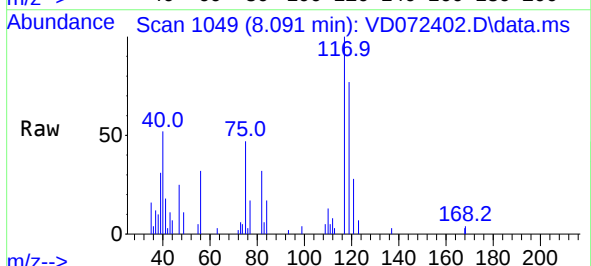
Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8
70 3.6 6.9 10.3

Manual Integrations
APPROVED

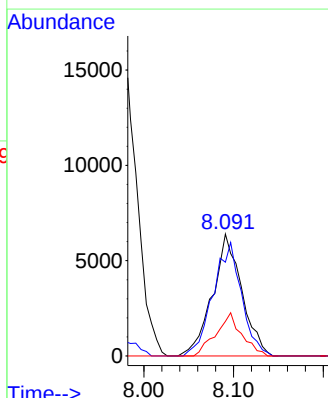
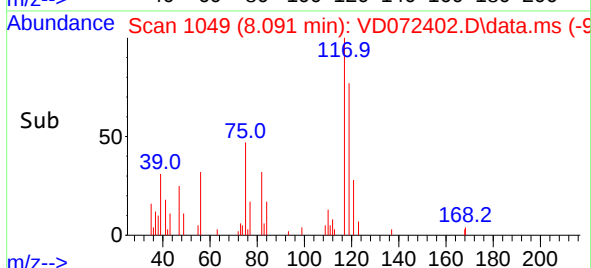
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

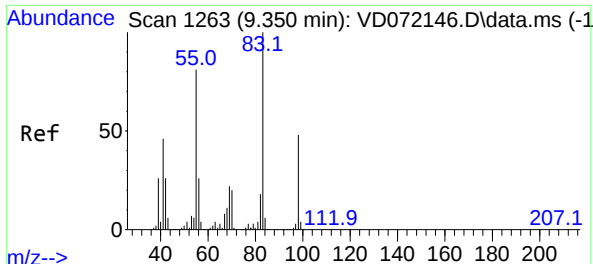


#38
Carbon Tetrachloride
Concen: 2.122 ug/l
RT: 8.091 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



Tgt Ion:117 Resp: 14514
Ion Ratio Lower Upper
117 100
119 77.0 75.8 113.6
121 28.4 24.5 36.7





#39

Methylcyclohexane

Concen: 1.800 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VD072402.D

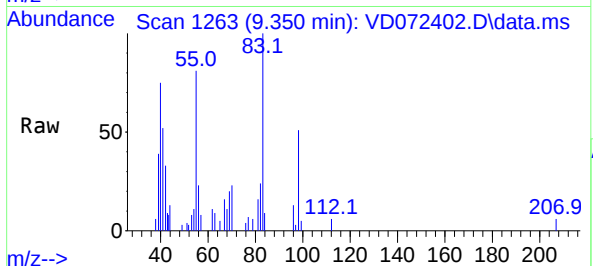
Acq: 24 Mar 2022 12:36

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022



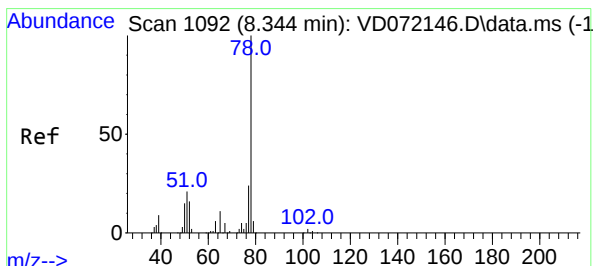
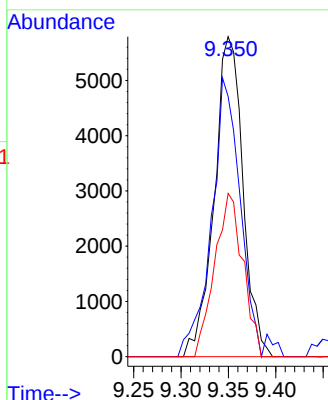
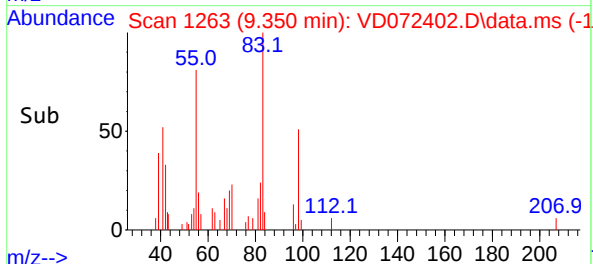
Tgt Ion: 83	Resp: 12190
Ion Ratio	Lower Upper
83	100
55	81.3 63.2 94.8
98	51.0 38.2 57.4

Manual Integrations

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Reviewed By :John Carlone 03/25/2022

Supervised By :Mahesh Dadoda 03/25/2022



#40

Benzene

Concen: 2.177 ug/l

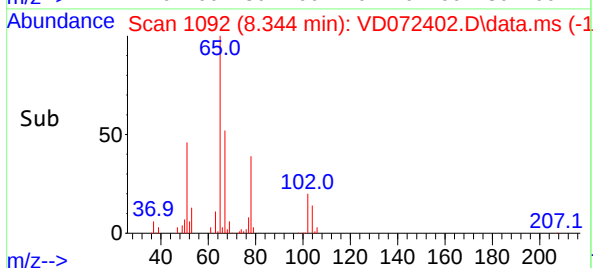
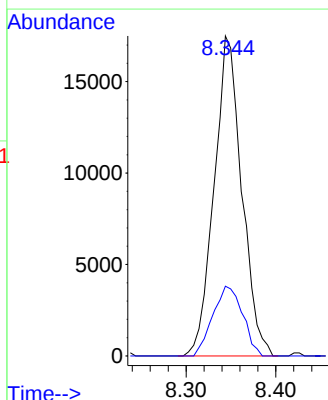
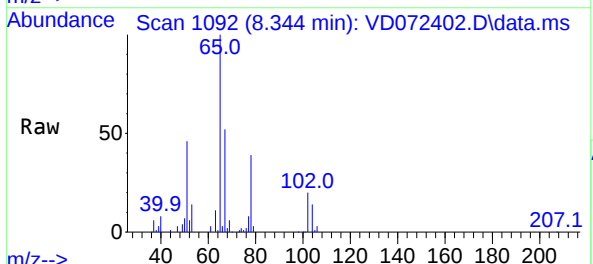
RT: 8.344 min Scan# 1092

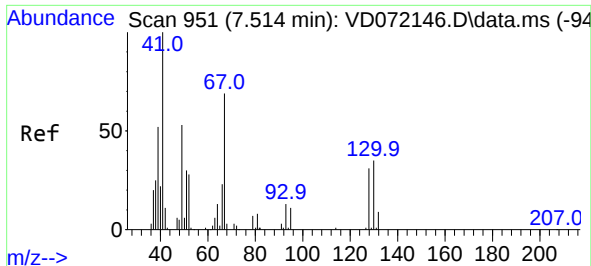
Delta R.T. 0.000 min

Lab File: VD072402.D

Acq: 24 Mar 2022 12:36

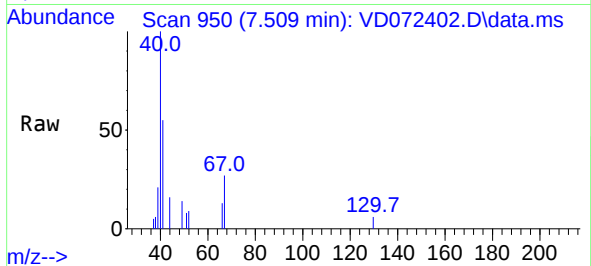
Tgt Ion: 78	Resp: 37379
Ion Ratio	Lower Upper
78	100
77	21.8 19.1 28.7





#41
Methacrylonitrile
Concen: 3.557 ug/l m
RT: 7.509 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

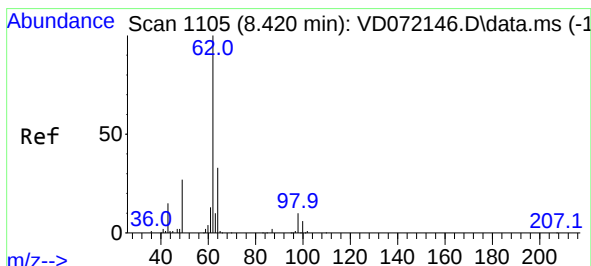
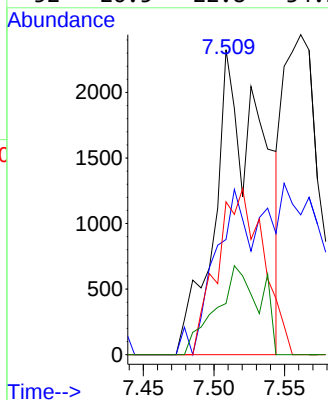
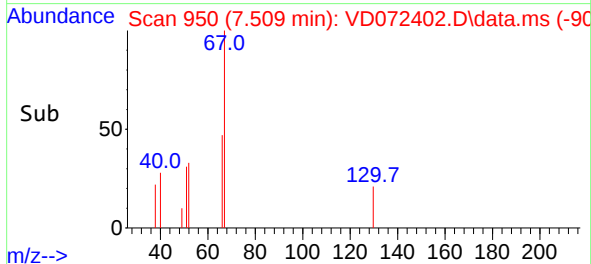
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 41 Resp: 546
Ion Ratio Lower Upper
41 100
39 38.4 44.6 67.0
67 52.5 48.2 72.4
52 26.5 22.8 34.2

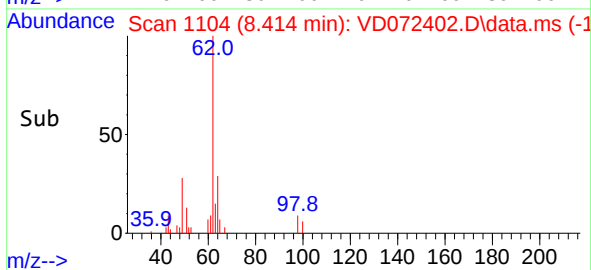
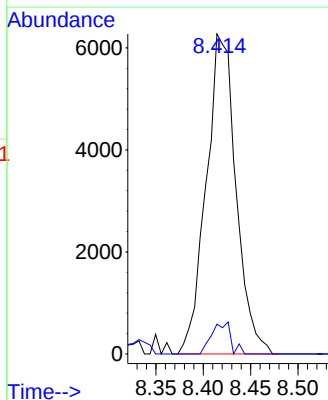
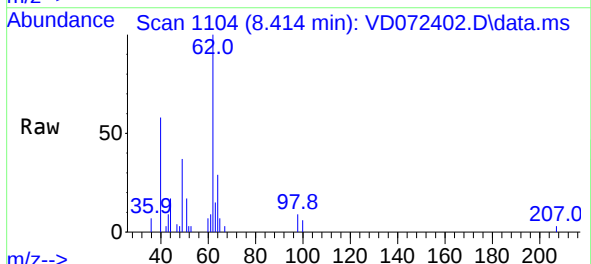
Manual Integrations
APPROVED

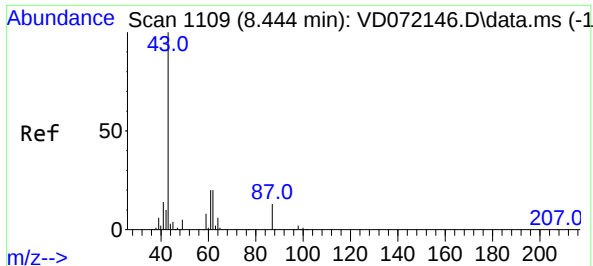
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#42
1,2-Dichloroethane
Concen: 2.640 ug/l
RT: 8.414 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

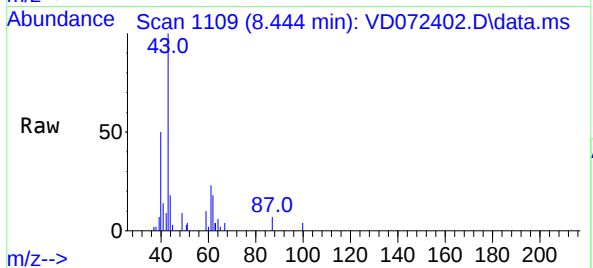
Tgt Ion: 62 Resp: 13747
Ion Ratio Lower Upper
62 100
98 6.4 0.0 17.6





#43
Isopropyl Acetate
Concen: 2.747 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

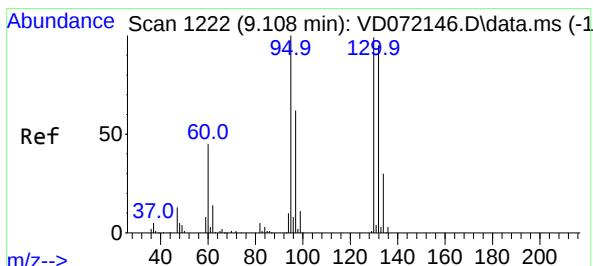
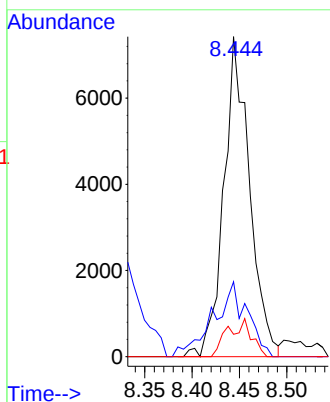
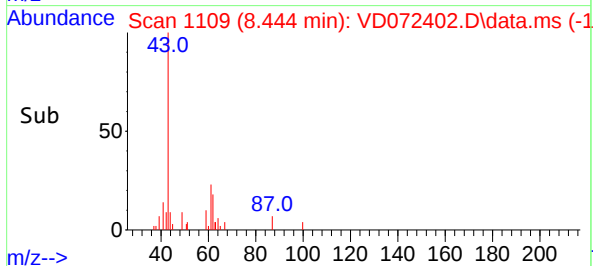
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 43 Resp: 14054
Ion Ratio Lower Upper
43 100
61 30.9 22.4 33.6
87 4.9 8.7 13.1

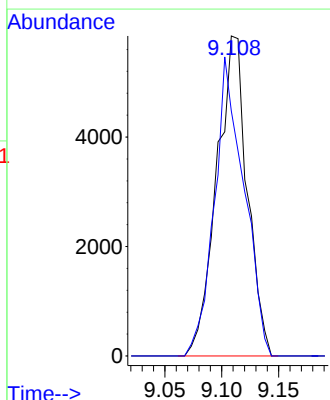
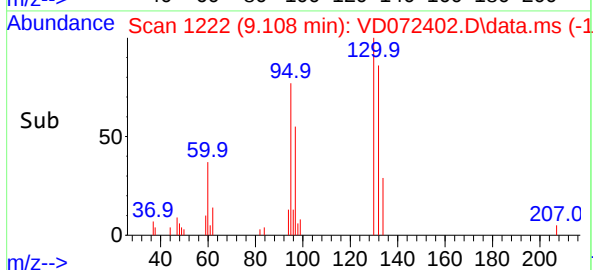
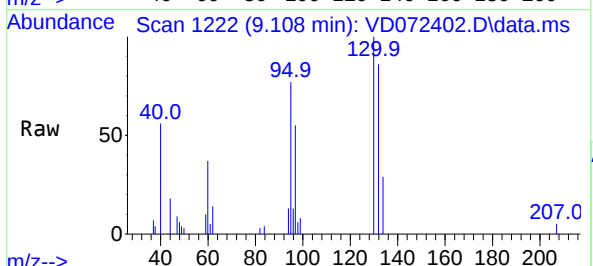
Manual Integrations
APPROVED

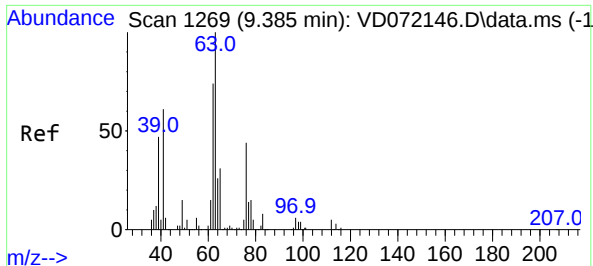
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#44
Trichloroethene
Concen: 2.272 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Tgt Ion:130 Resp: 10949
Ion Ratio Lower Upper
130 100
95 76.6 0.0 205.4





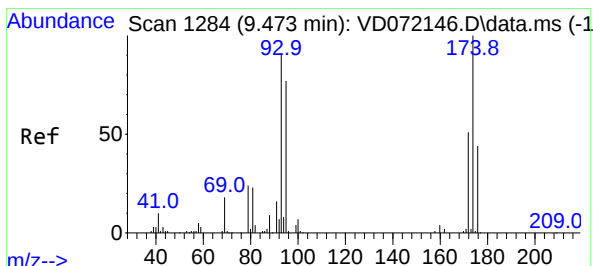
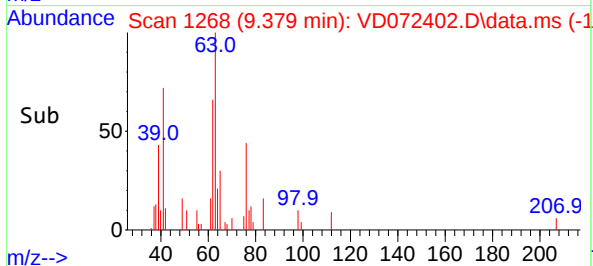
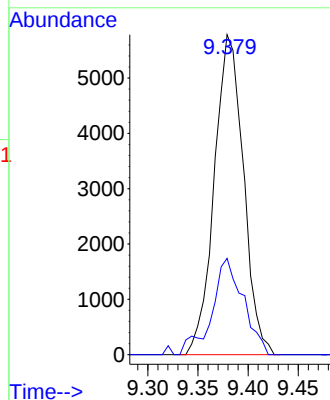
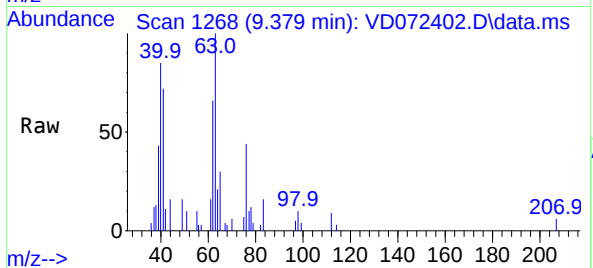
#45
1,2-Dichloropropane
Concen: 2.486 ug/l
RT: 9.379 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 63 Resp: 1170
Ion Ratio Lower Upper
63 100
65 30.1 26.2 39.4

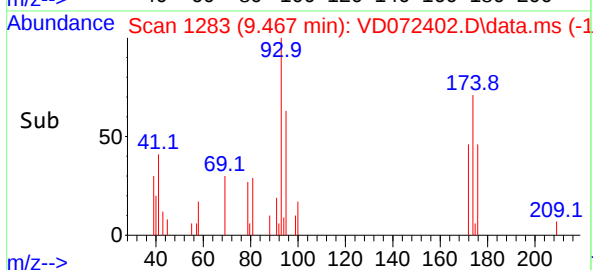
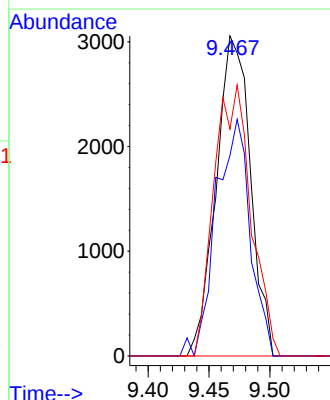
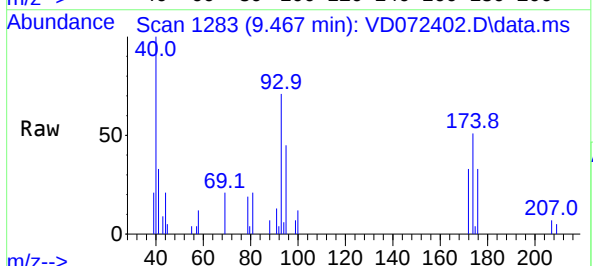
Manual Integrations
APPROVED

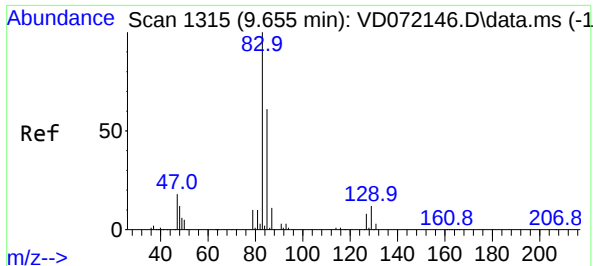
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#46
Dibromomethane
Concen: 2.582 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

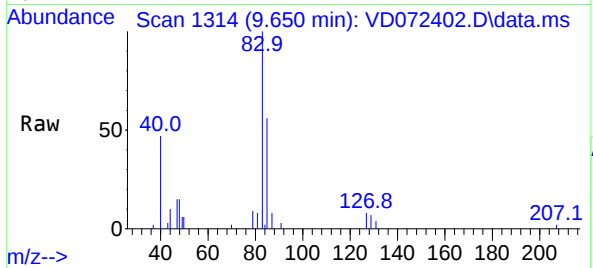
Tgt Ion: 93 Resp: 5980
Ion Ratio Lower Upper
93 100
95 73.6 66.7 100.1
174 91.6 71.6 107.4





#47
Bromodichloromethane
Concen: 2.643 ug/l
RT: 9.650 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

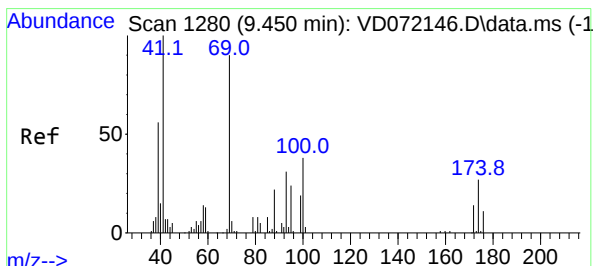
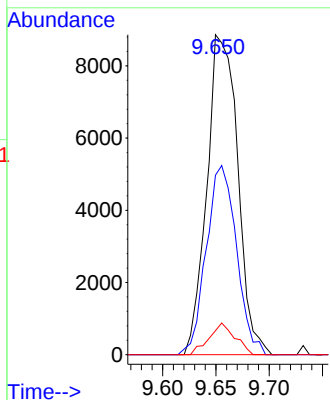
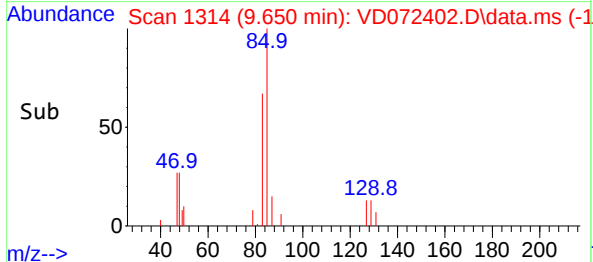
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



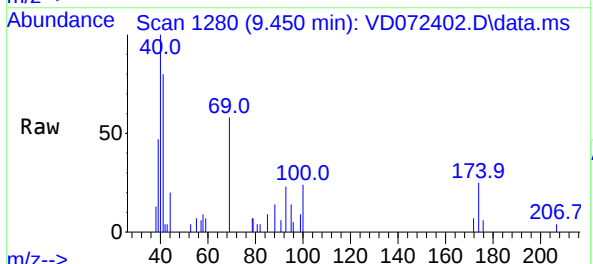
Tgt Ion: 83 Resp: 1784
Ion Ratio Lower Upper
83 100
85 56.1 51.4 77.0
127 7.5 6.1 9.1

Manual Integrations
APPROVED

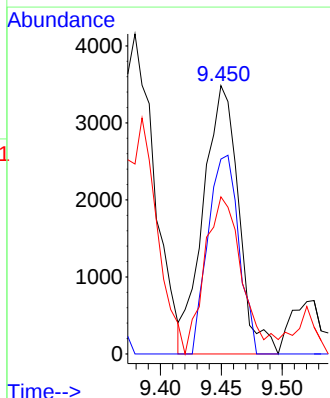
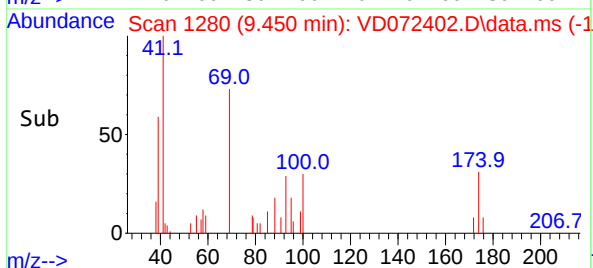
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

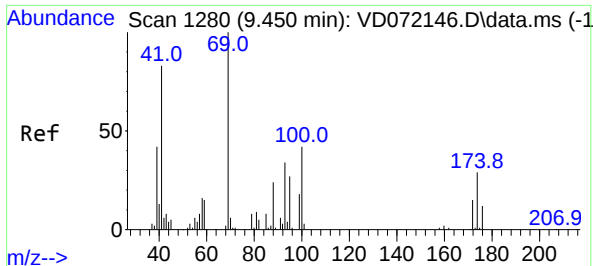


#48
Methyl methacrylate
Concen: 2.881 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



Tgt Ion: 41 Resp: 7037
Ion Ratio Lower Upper
41 100
69 64.8 56.7 85.1
39 61.9 42.7 64.1





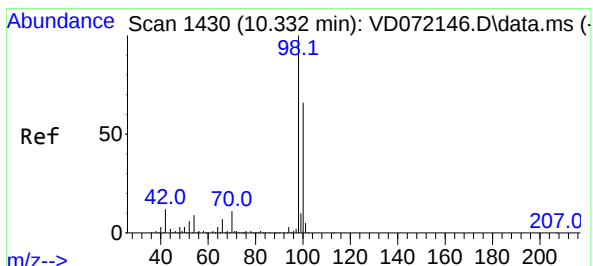
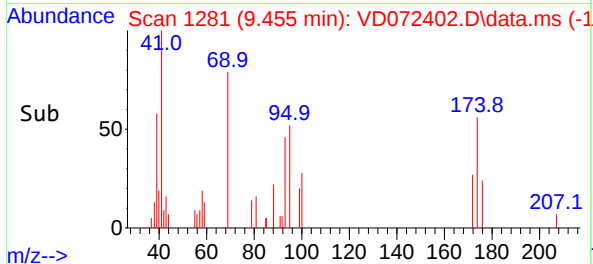
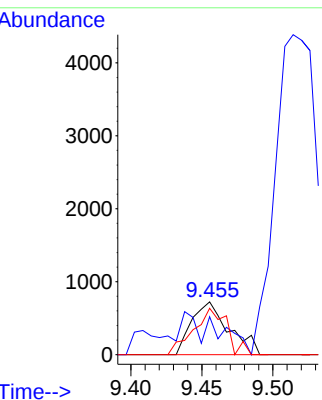
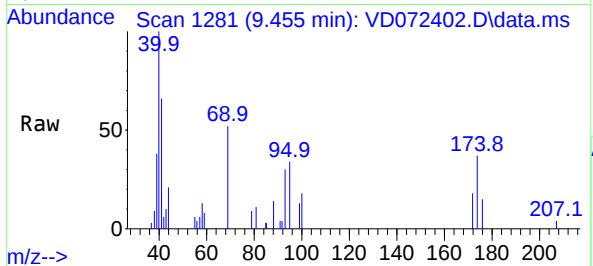
#49
1,4-Dioxane
Concen: 47.782 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 26.4 31.0 46.4
58 78.5 58.1 87.1

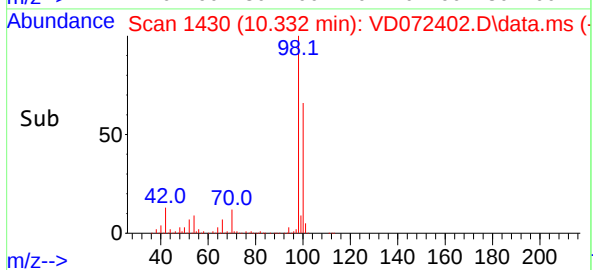
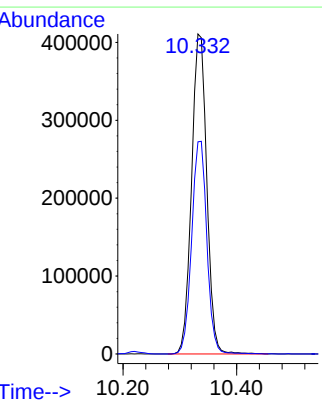
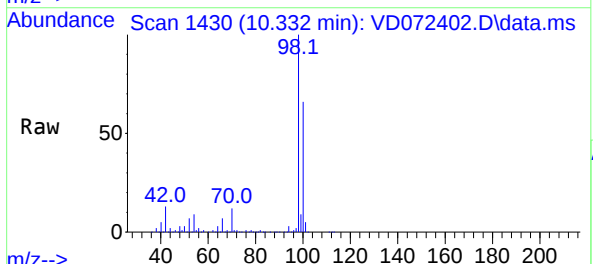
Manual Integrations
APPROVED

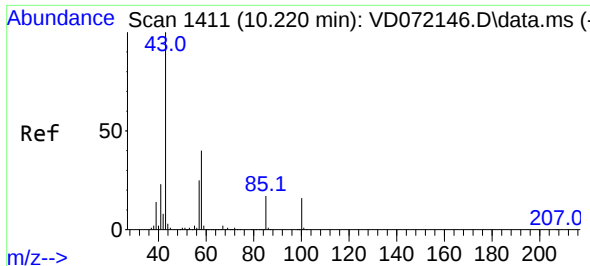
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#50
Toluene-d8
Concen: 48.518 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

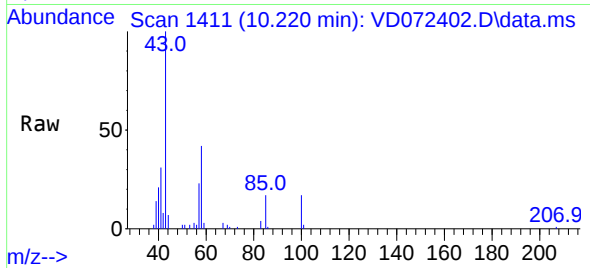
Tgt Ion: 98 Resp: 760970
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6





#51
4-Methyl-2-Pentanone
Concen: 13.535 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

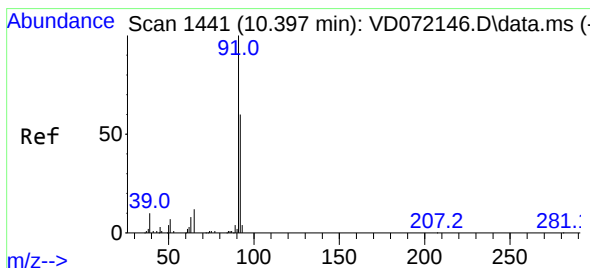
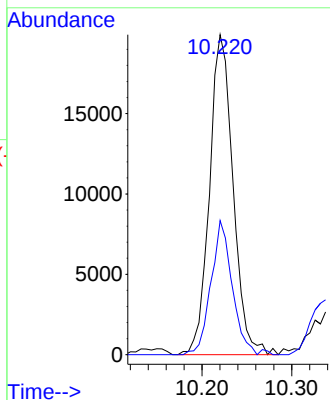
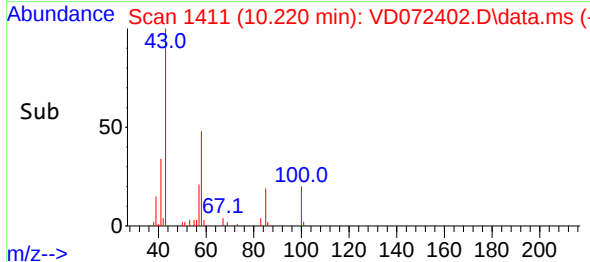
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 43 Resp: 3637
Ion Ratio Lower Upper
43 100
58 37.6 28.6 43.0

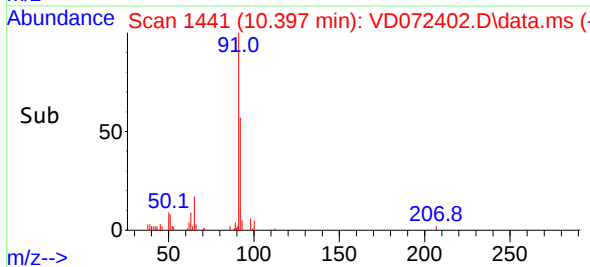
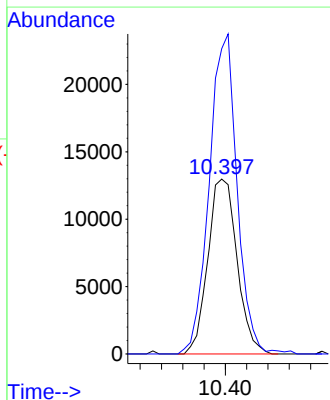
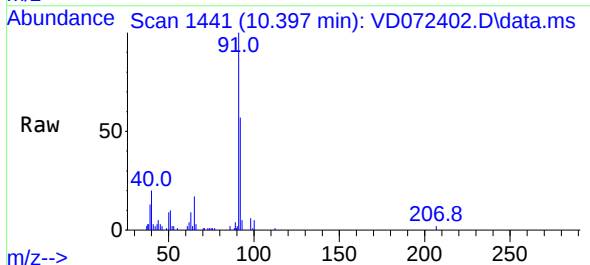
Manual Integrations
APPROVED

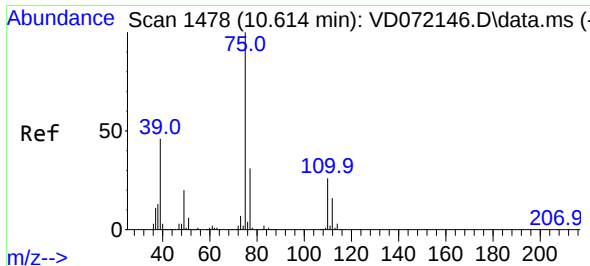
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#52
Toluene
Concen: 2.186 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Tgt Ion: 92 Resp: 24690
Ion Ratio Lower Upper
92 100
91 174.5 139.6 209.4





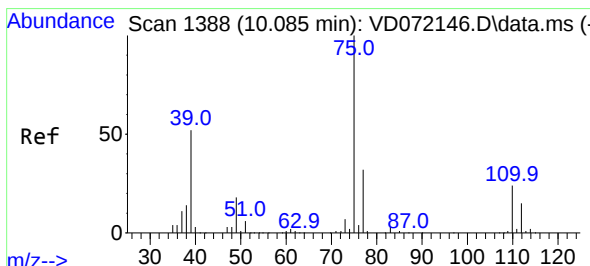
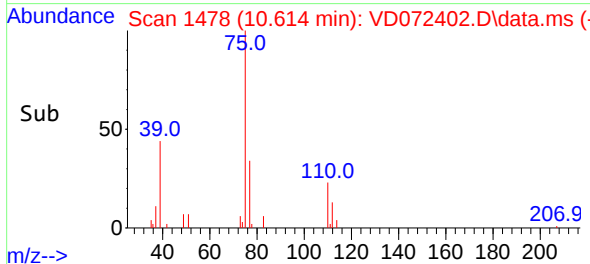
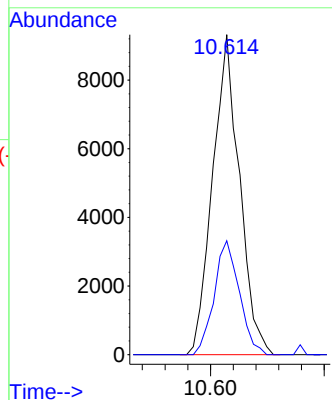
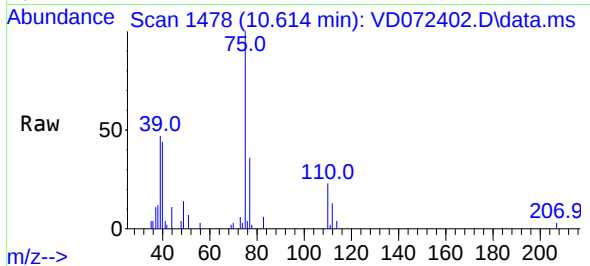
#53
t-1,3-Dichloropropene
Concen: 2.482 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 75 Resp: 1531
Ion Ratio Lower Upper
75 100
77 35.6 24.5 36.7

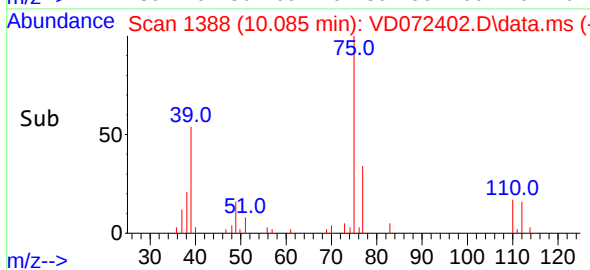
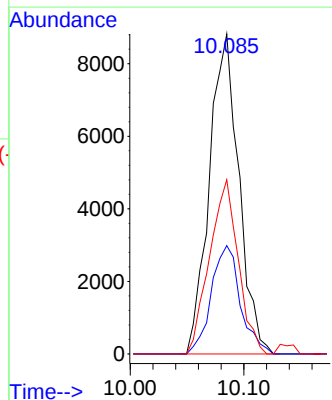
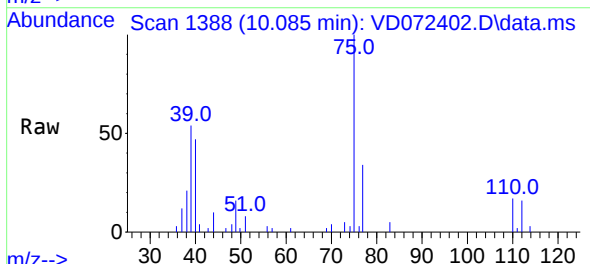
Manual Integrations
APPROVED

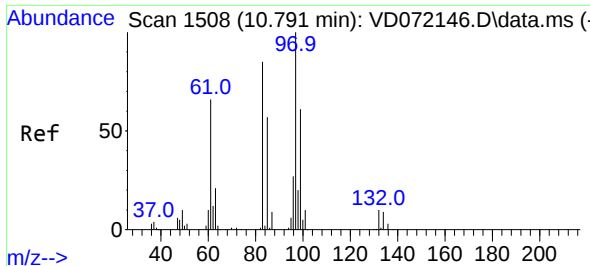
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#54
cis-1,3-Dichloropropene
Concen: 2.232 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

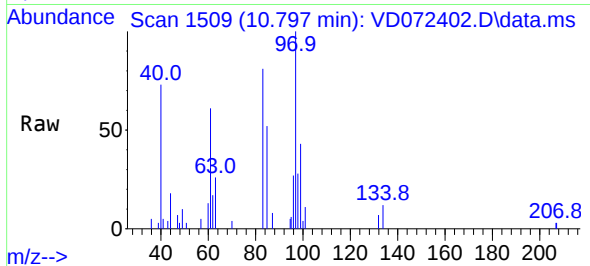
Tgt Ion: 75 Resp: 15914
Ion Ratio Lower Upper
75 100
77 33.8 24.8 37.2
39 54.4 46.8 70.2





#55
1,1,2-Trichloroethane
Concen: 3.152 ug/l
RT: 10.797 min Scan# 11120
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

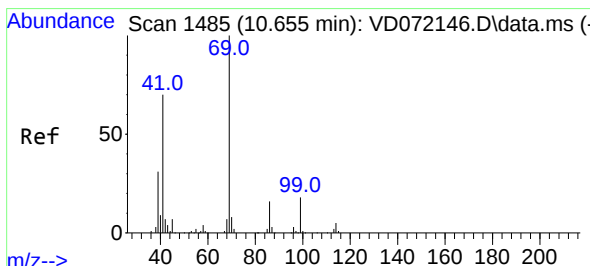
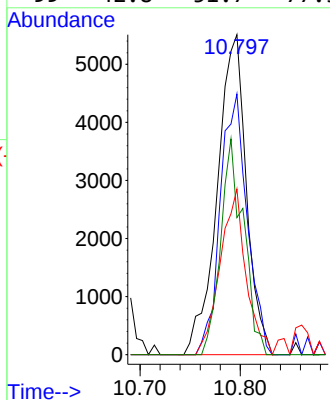
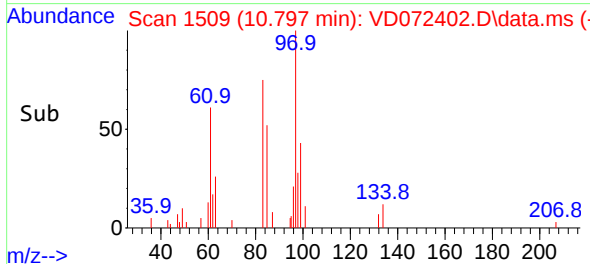


Tgt Ion: 97 Resp: 11120

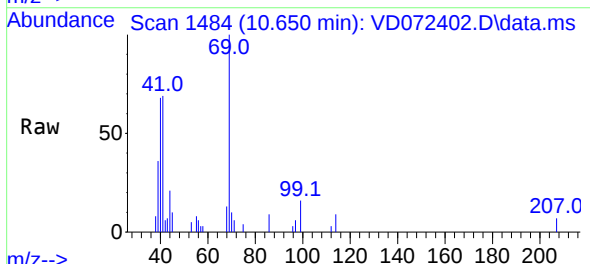
Ion	Ratio	Lower	Upper
97	100		
83	81.4	69.0	103.4
85	51.8	42.6	63.8
99	42.8	51.7	77.5#

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

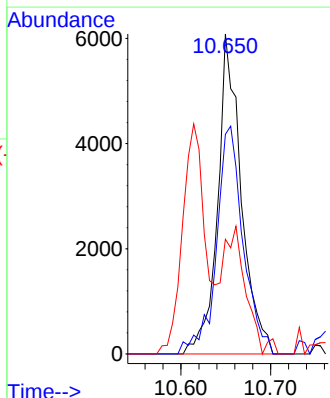
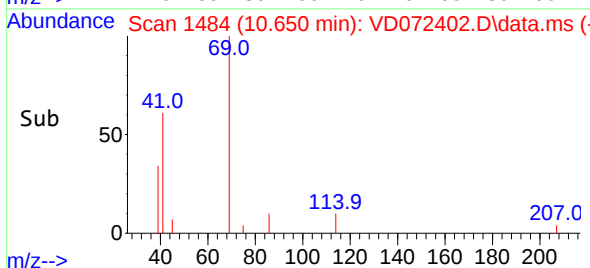


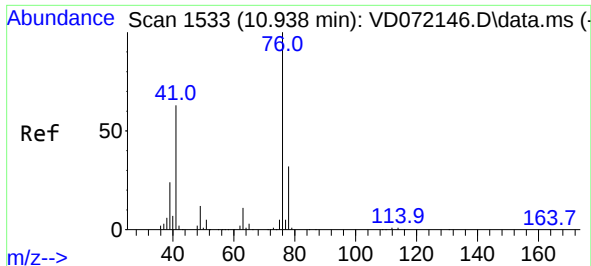
#56
Ethyl methacrylate
Concen: 2.684 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



Tgt Ion: 69 Resp: 11093

Ion	Ratio	Lower	Upper
69	100		
41	80.8	63.0	94.6
39	40.0	33.8	50.8





#57

1,3-Dichloropropane

Concen: 2.411 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VD072402.D

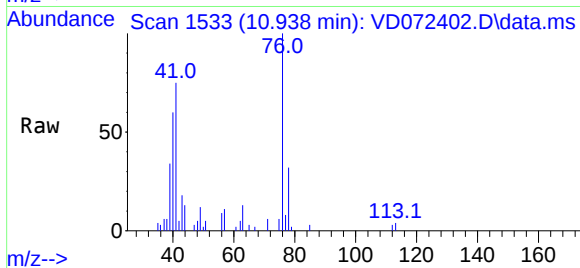
Acq: 24 Mar 2022 12:36

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 76 Resp: 1427

Ion Ratio Lower Upper

76 100

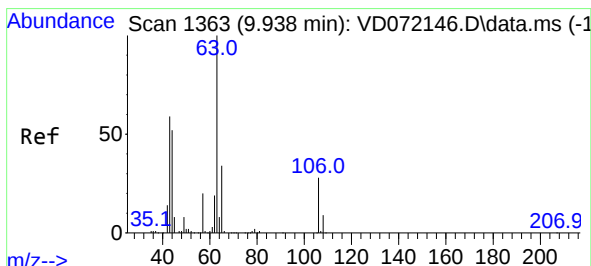
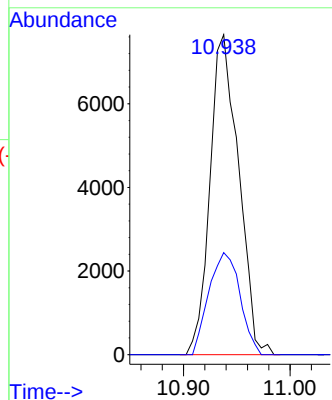
78 34.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/25/2022

Supervised By :Mahesh Dadoda 03/25/2022



#58

2-Chloroethyl Vinyl ether

Concen: 8.595 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. 0.000 min

Lab File: VD072402.D

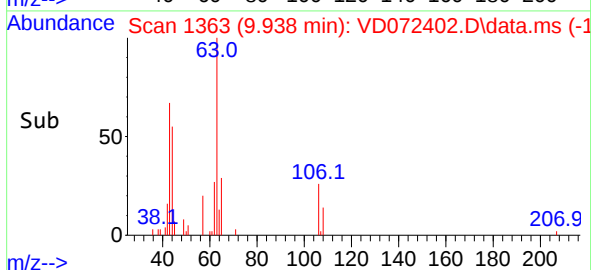
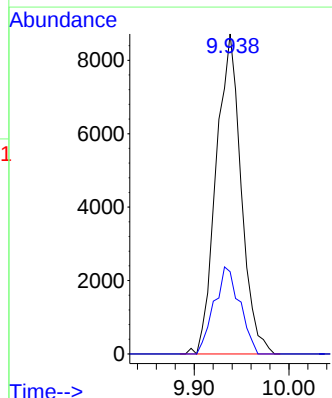
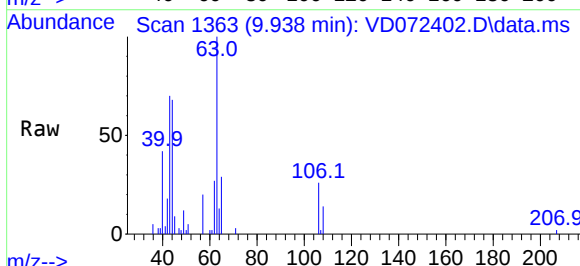
Acq: 24 Mar 2022 12:36

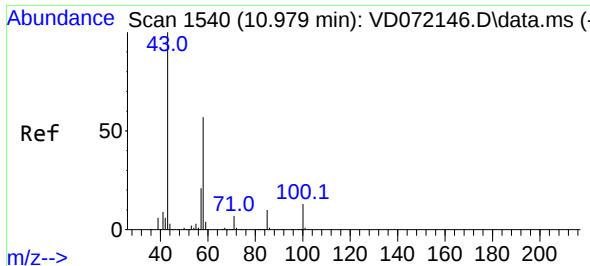
Tgt Ion: 63 Resp: 15970

Ion Ratio Lower Upper

63 100

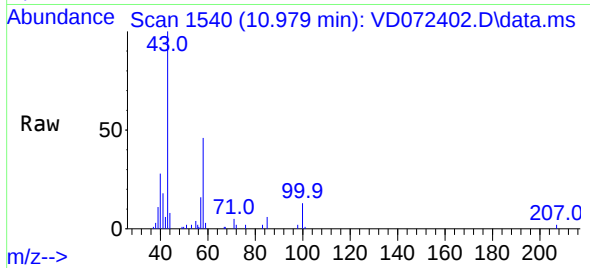
106 27.8 21.4 32.0





#59
2-Hexanone
Concen: 14.929 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

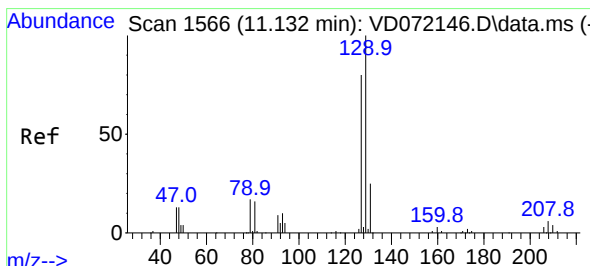
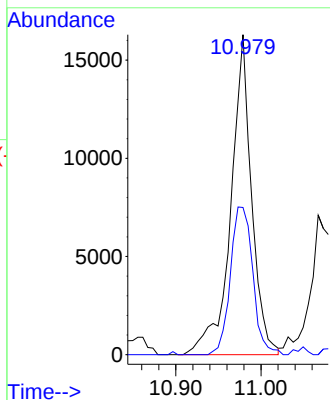
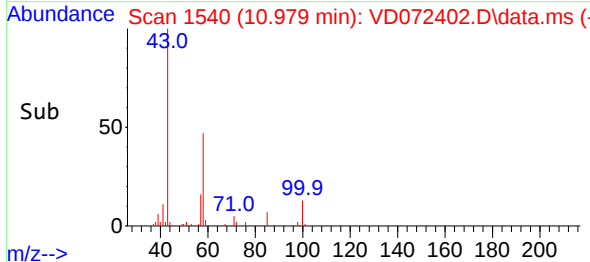
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



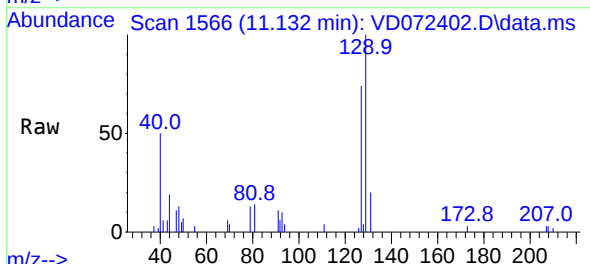
Tgt Ion: 43 Resp: 2770
Ion Ratio Lower Upper
43 100
58 49.8 25.3 75.9

Manual Integrations
APPROVED

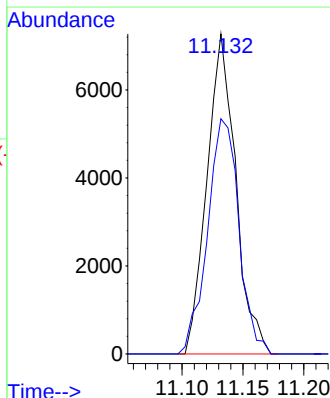
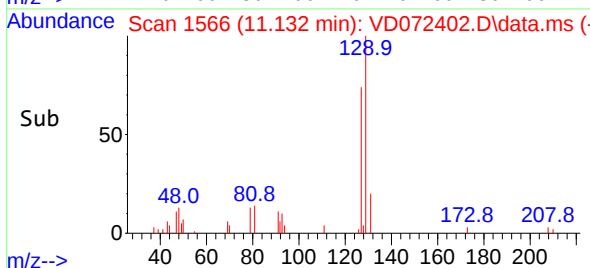
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

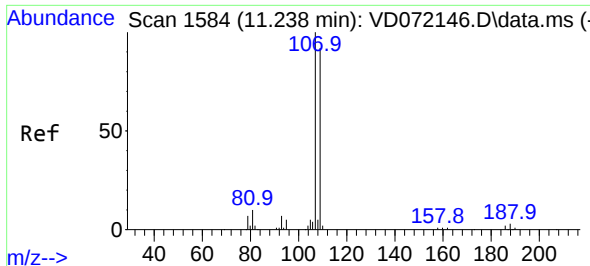


#60
Dibromochloromethane
Concen: 2.611 ug/l
RT: 11.132 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



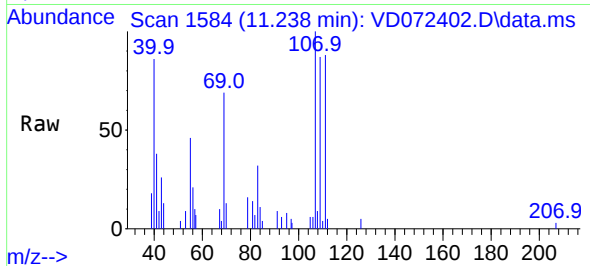
Tgt Ion:129 Resp: 11953
Ion Ratio Lower Upper
129 100
127 80.0 39.2 117.6





#61
1,2-Dibromoethane
Concen: 2.831 ug/l
RT: 11.238 min Scan# 1120
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

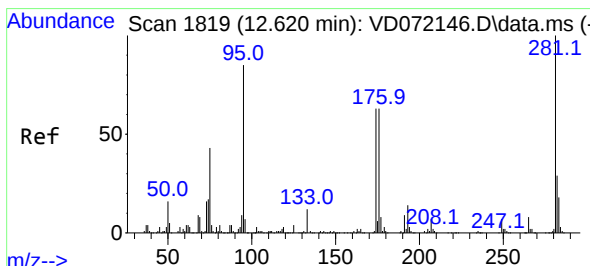
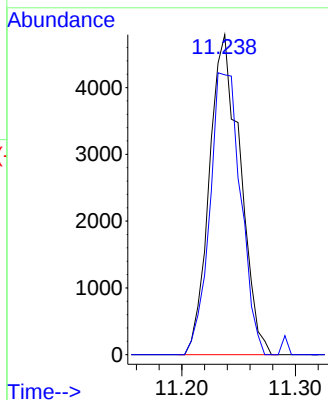
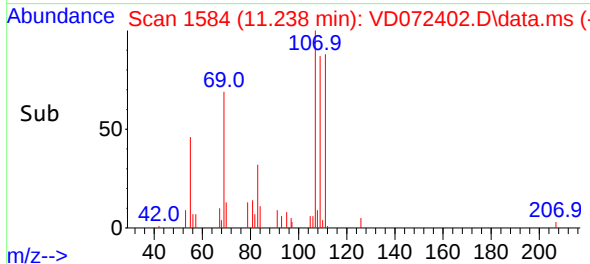
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



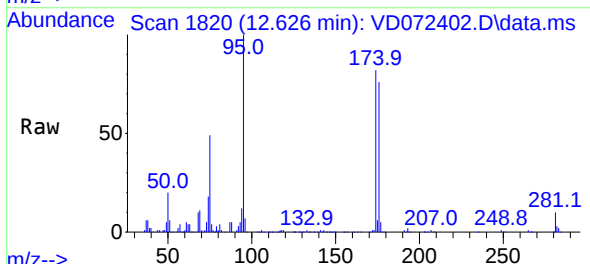
Tgt Ion:107 Resp: 9020
Ion Ratio Lower Upper
107 100
109 88.5 74.2 111.4

Manual Integrations
APPROVED

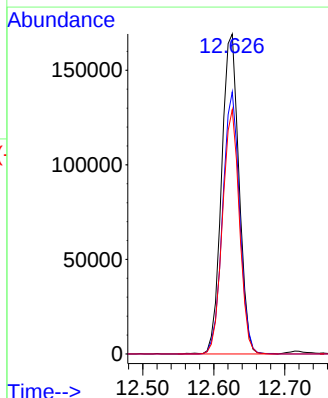
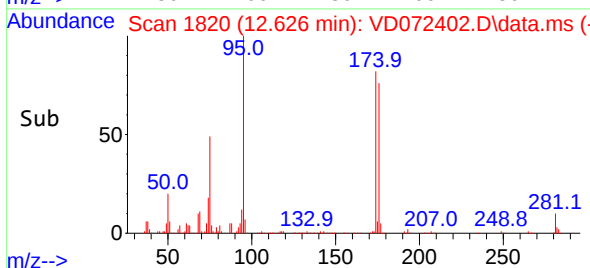
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

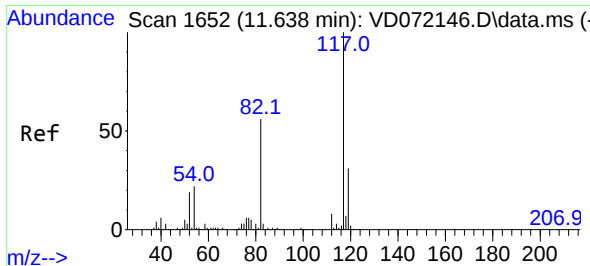


#62
4-Bromofluorobenzene
Concen: 47.125 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



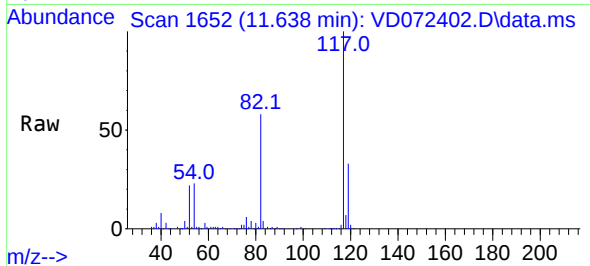
Tgt Ion: 95 Resp: 287189
Ion Ratio Lower Upper
95 100
174 79.6 0.0 152.8
176 74.0 0.0 145.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

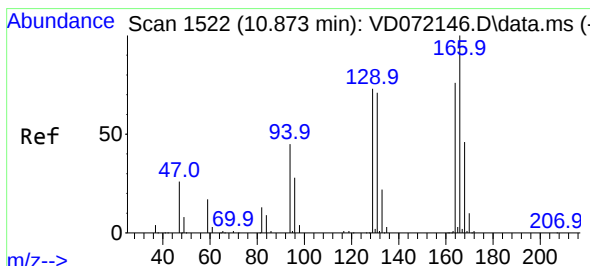
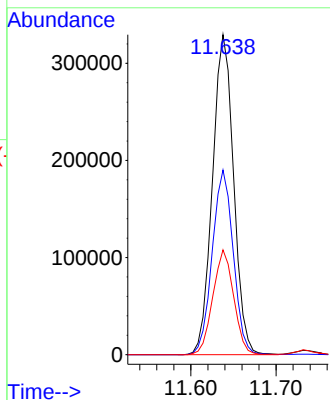
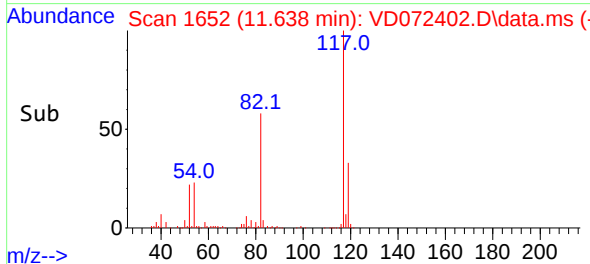
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



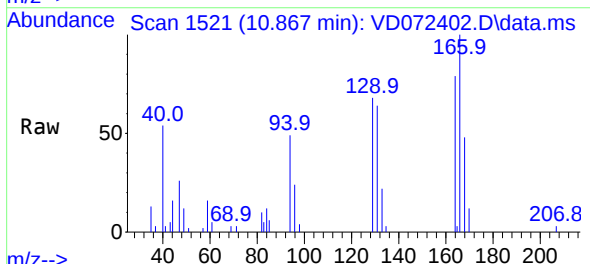
Tgt Ion:117 Resp: 56823
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 32.8 26.6 40.0

Manual Integrations
APPROVED

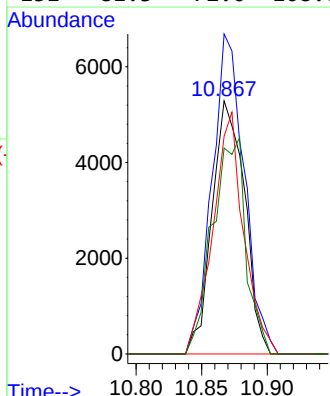
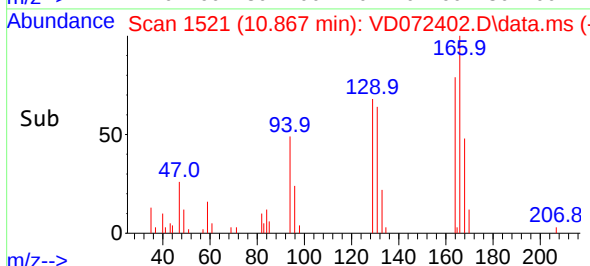
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

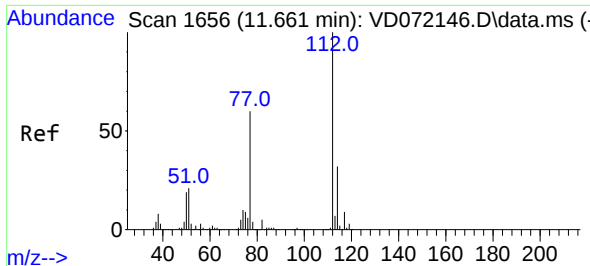


#64
Tetrachloroethene
Concen: 2.271 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



Tgt Ion:164 Resp: 9103
Ion Ratio Lower Upper
164 100
166 126.4 98.5 147.7
129 86.0 74.6 111.8
131 81.3 72.0 108.0





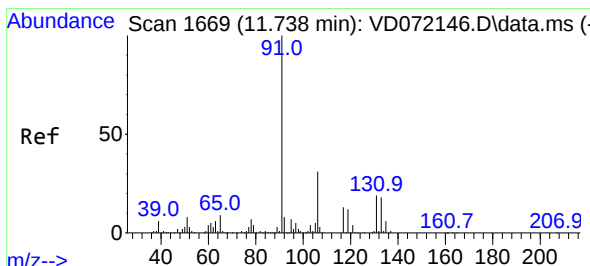
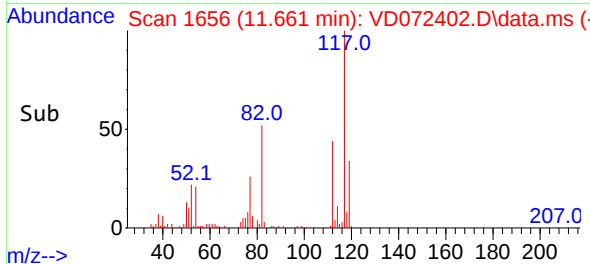
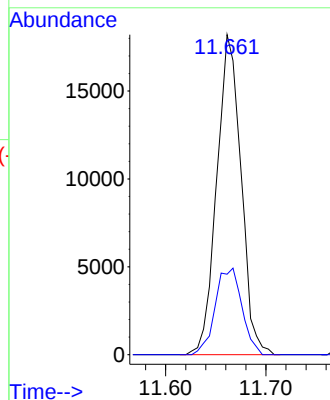
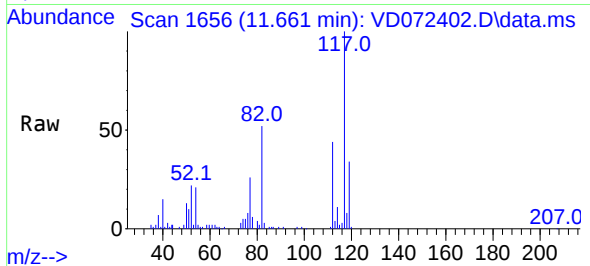
#65
Chlorobenzene
Concen: 2.426 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:112 Resp: 30589
Ion Ratio Lower Upper
112 100
114 25.2 25.8 38.6

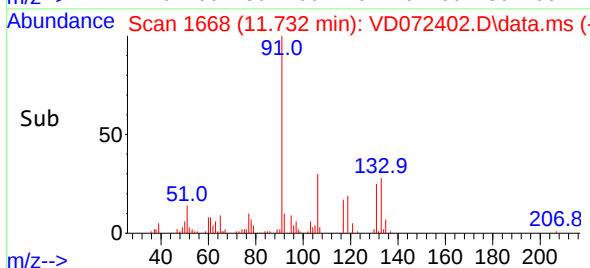
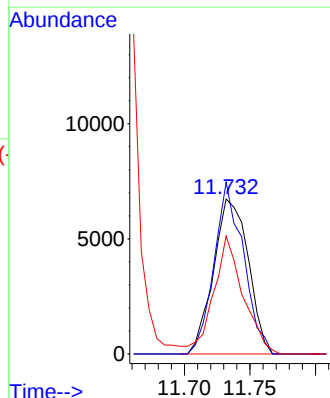
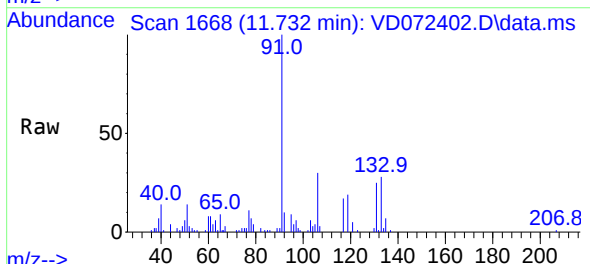
Manual Integrations
APPROVED

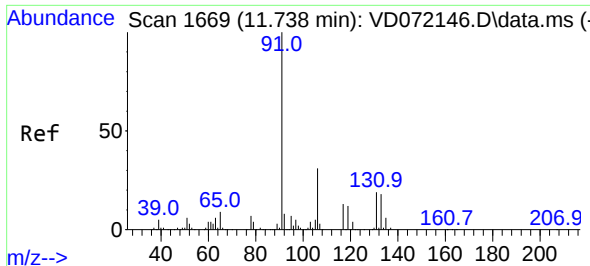
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#66
1,1,1,2-Tetrachloroethane
Concen: 2.482 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

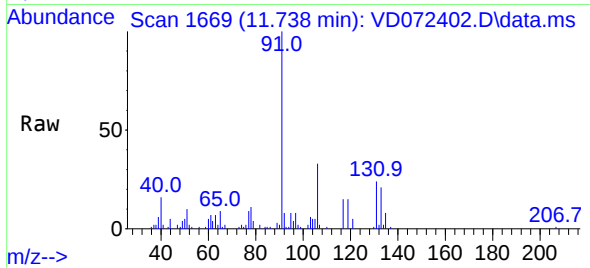
Tgt Ion:131 Resp: 12376
Ion Ratio Lower Upper
131 100
133 93.8 48.1 144.3
119 64.4 31.9 95.9





#67
Ethyl Benzene
Concen: 2.093 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

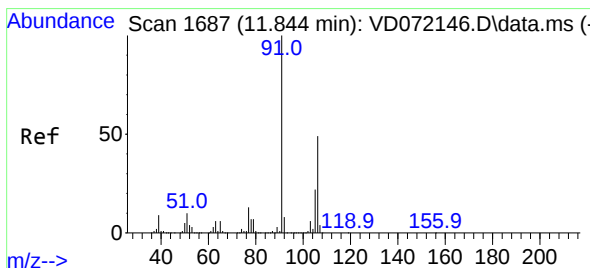
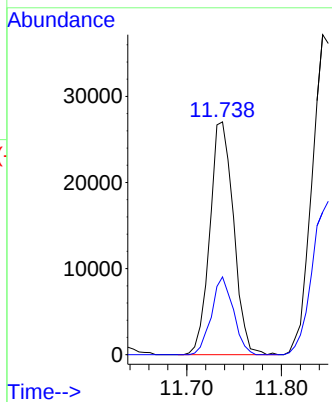
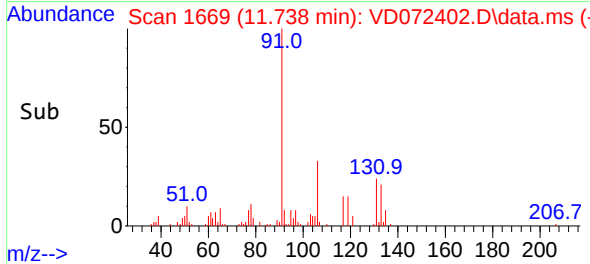
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 91 Resp: 47144
Ion Ratio Lower Upper
91 100
106 33.4 24.2 36.4

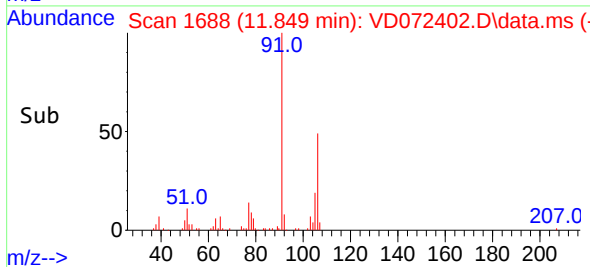
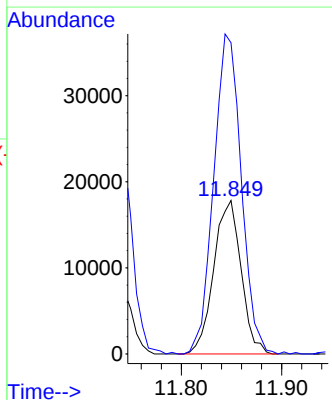
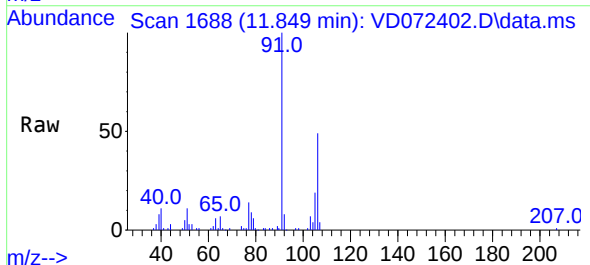
Manual Integrations
APPROVED

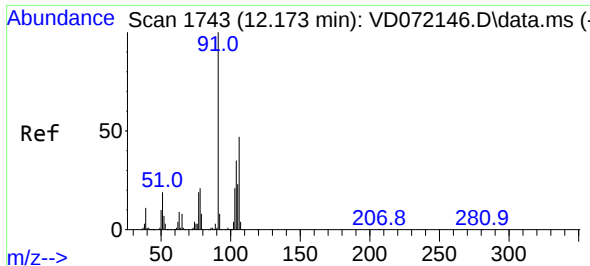
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#68
m/p-Xylenes
Concen: 3.946 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Tgt Ion:106 Resp: 33745
Ion Ratio Lower Upper
106 100
91 210.5 163.7 245.5





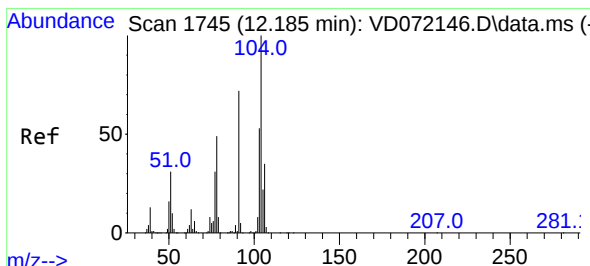
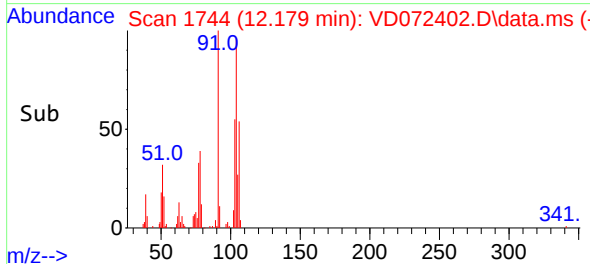
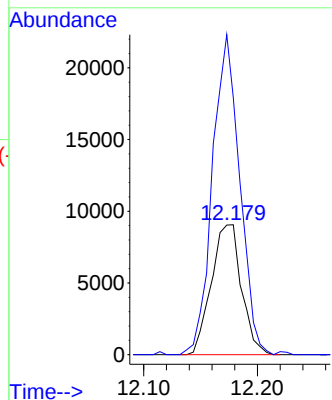
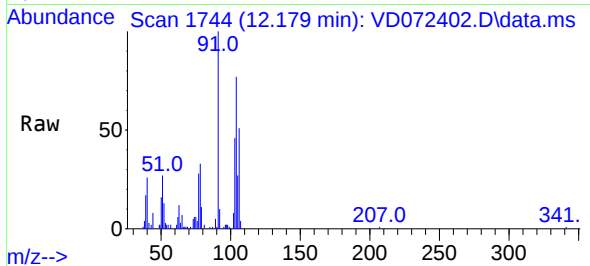
#69
o-Xylene
Concen: 2.043 ug/l
RT: 12.179 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:106 Resp: 1671
Ion Ratio Lower Upper
106 100
91 222.5 110.4 331.2

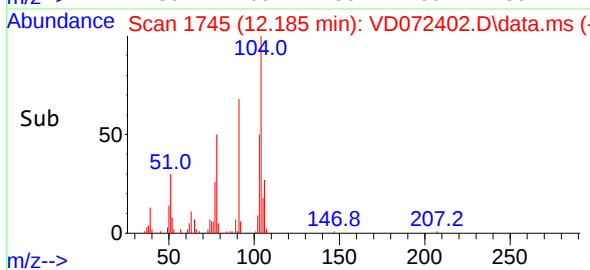
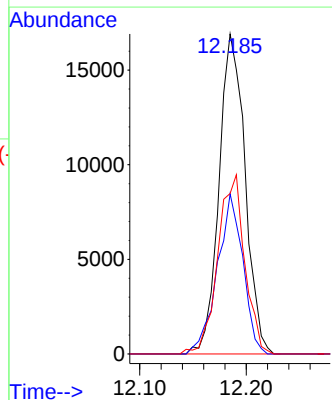
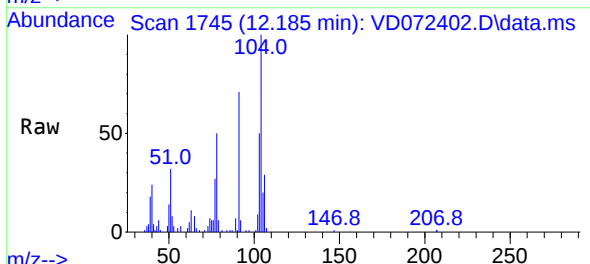
Manual Integrations
APPROVED

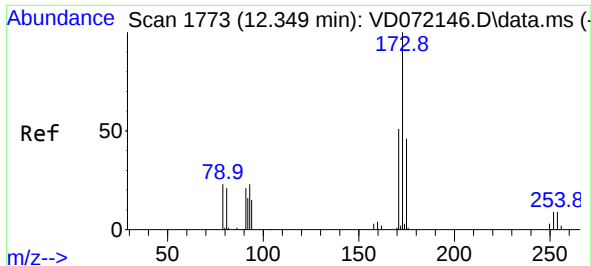
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#70
Styrene
Concen: 2.008 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

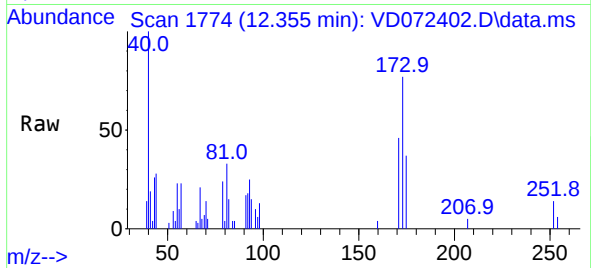
Tgt Ion:104 Resp: 28690
Ion Ratio Lower Upper
104 100
78 49.1 41.8 62.8
103 57.9 44.2 66.4





#71
Bromoform
Concen: 2.636 ug/l
RT: 12.355 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

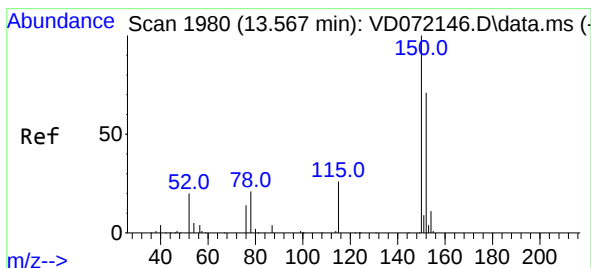
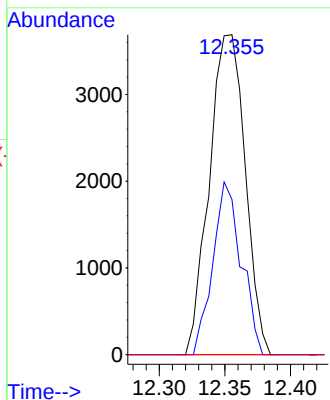
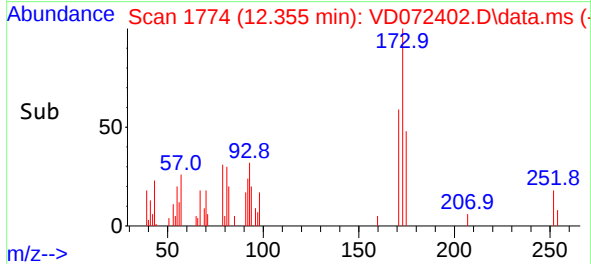
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



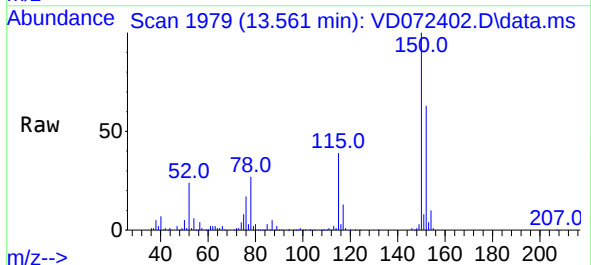
Tgt Ion:173 Resp: 7020
Ion Ratio Lower Upper
173 100
175 42.8 23.9 71.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

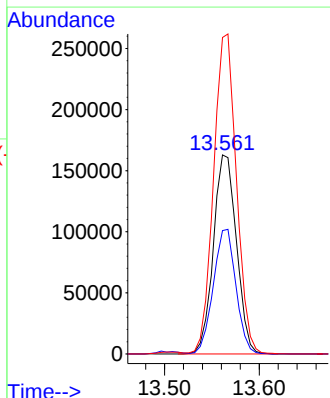
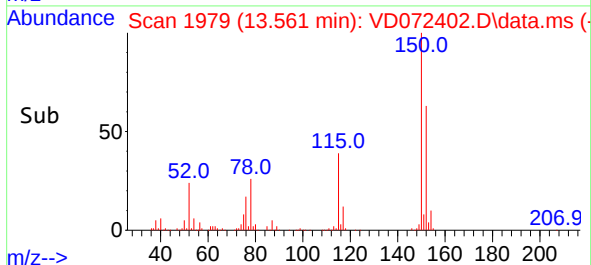
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

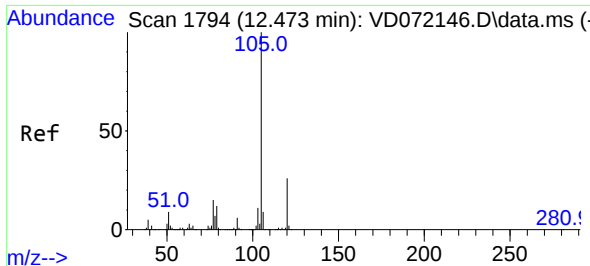


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



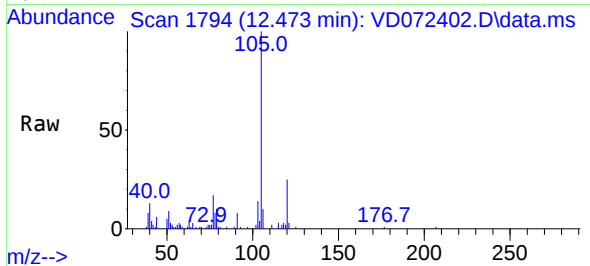
Tgt Ion:152 Resp: 276204
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.8
150 159.4 0.0 348.6





#73
Isopropylbenzene
Concen: 2.097 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

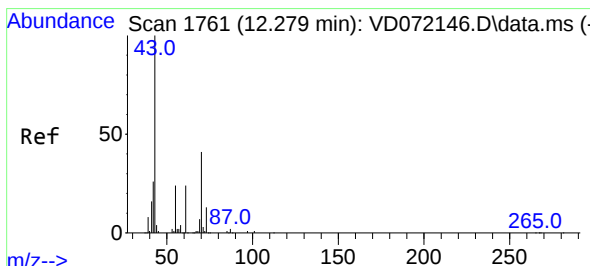
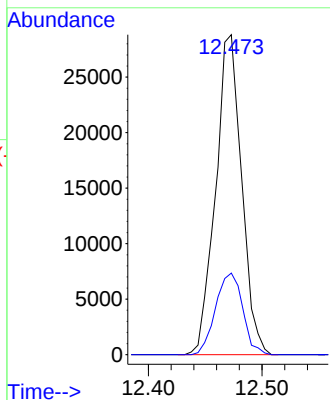
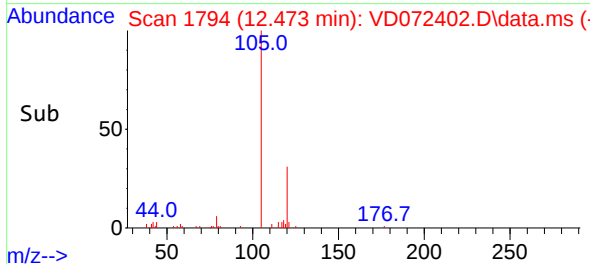
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



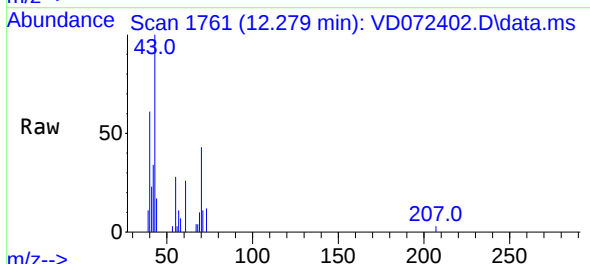
Tgt Ion:105 Resp: 45890
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9

Manual Integrations
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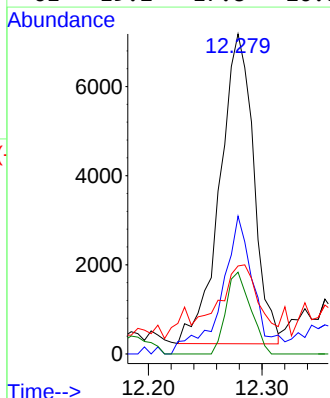
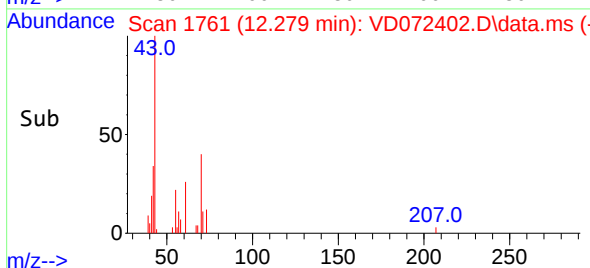
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

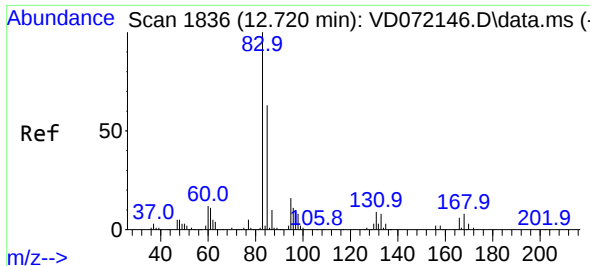


#74
N-ethyl acetate
Concen: 3.055 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



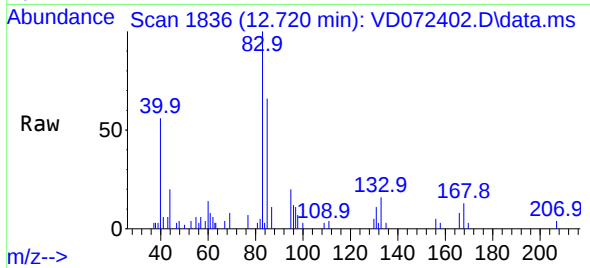
Tgt Ion: 43 Resp: 14368
Ion Ratio Lower Upper
43 100
70 42.6 31.3 46.9
55 27.5 20.0 30.0
61 19.2 17.8 26.8





#75
1,1,2,2-Tetrachloroethane
Concen: 3.139 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

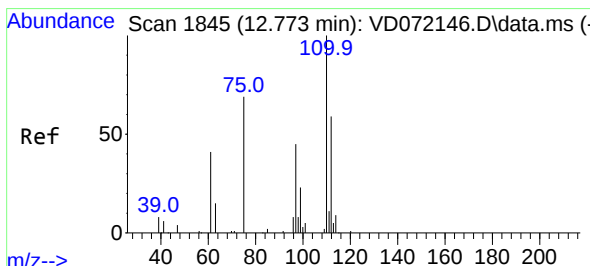
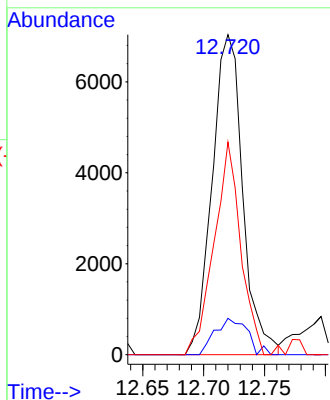
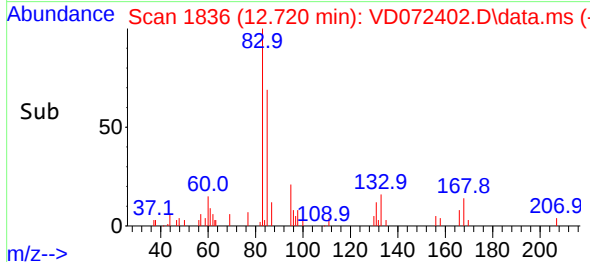
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



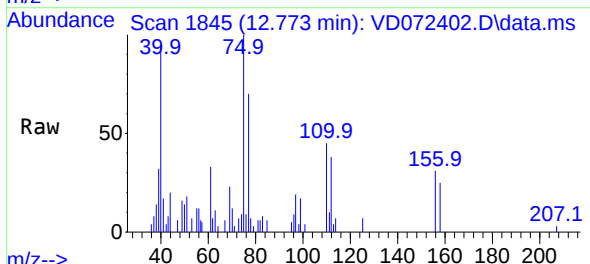
Tgt Ion: 83 Resp: 12280
Ion Ratio Lower Upper
83 100
131 12.0 5.0 14.9
85 57.8 32.6 98.0

Manual Integrations
APPROVED

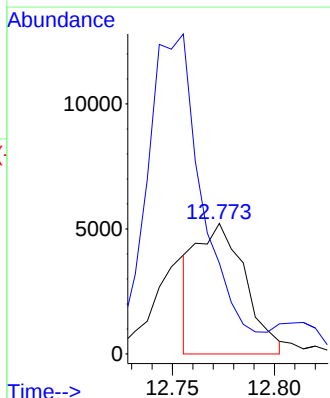
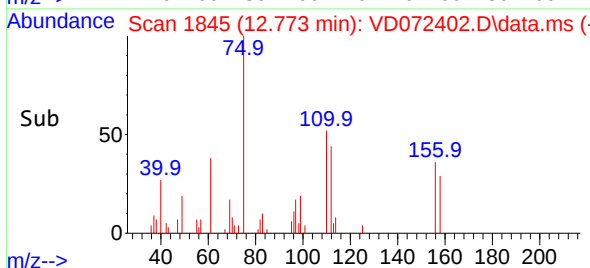
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

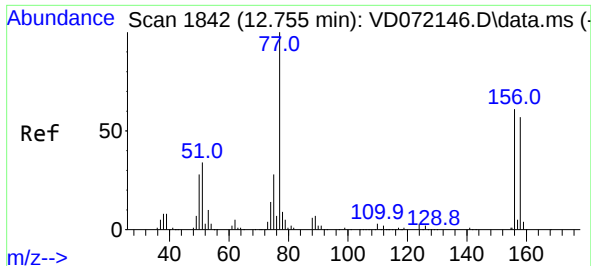


#76
1,2,3-Trichloropropane
Concen: 2.874 ug/l m
RT: 12.773 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



Tgt Ion: 75 Resp: 8755
Ion Ratio Lower Upper
75 100
77 285.0 0.0 0.0#





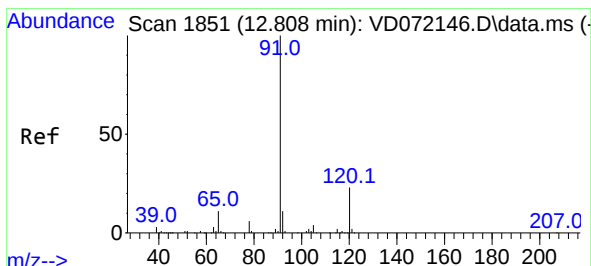
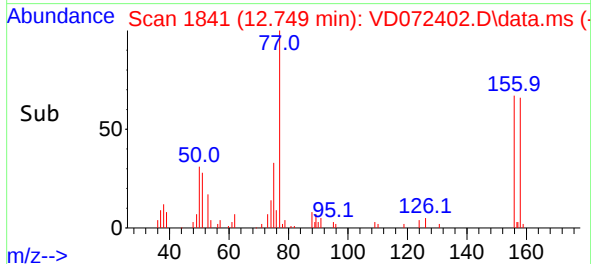
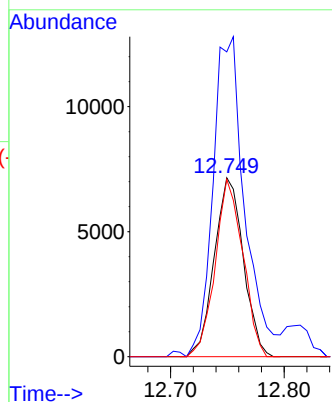
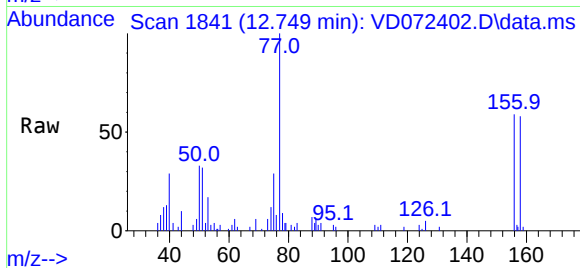
#77
Bromobenzene
Concen: 2.582 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:156 Resp: 1272
Ion Ratio Lower Upper
156 100
77 196.1 102.8 308.3
158 94.3 48.7 146.1

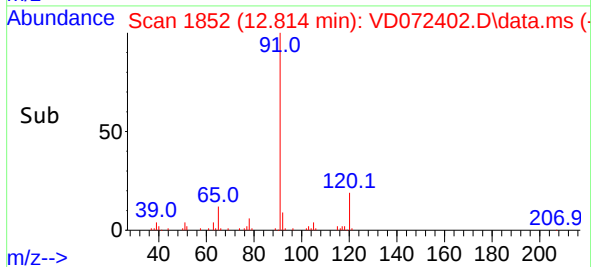
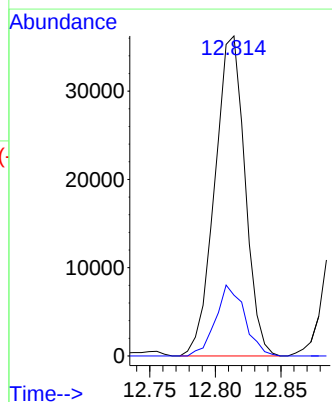
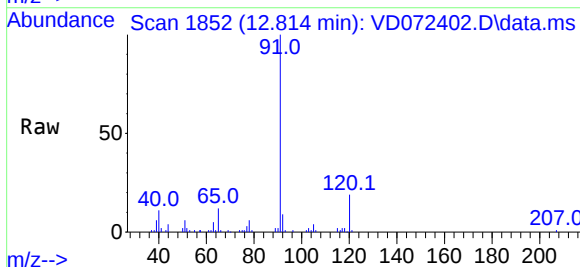
Manual Integrations
APPROVED

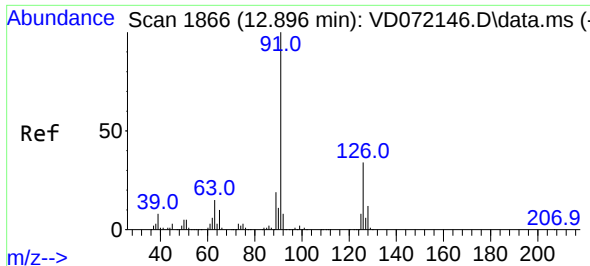
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#78
n-propylbenzene
Concen: 2.184 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

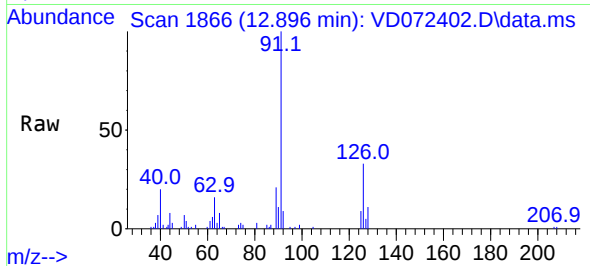
Tgt Ion: 91 Resp: 58055
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.9





#79
2-Chlorotoluene
Concen: 2.272 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

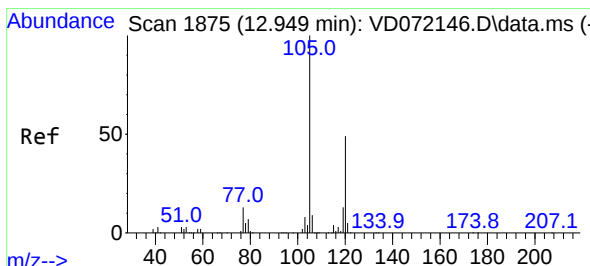
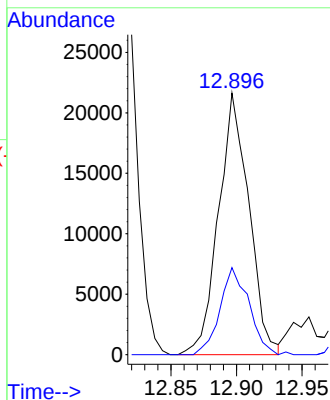
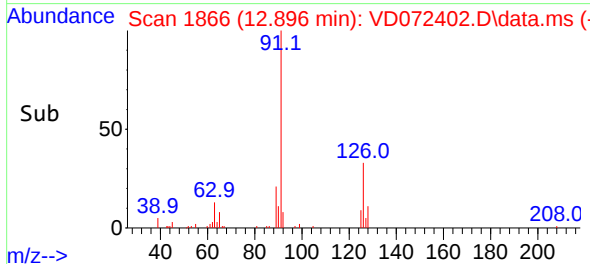
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



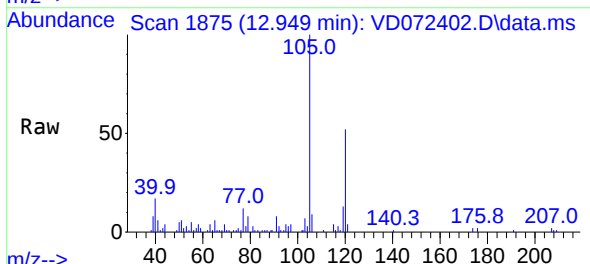
Tgt Ion: 91 Resp: 3493
Ion Ratio Lower Upper
91 100
126 31.9 16.2 48.6

Manual Integrations
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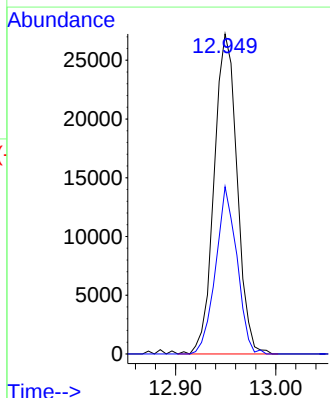
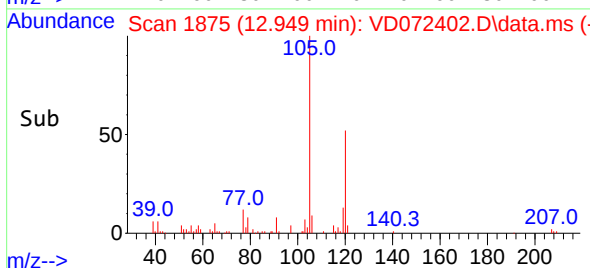
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

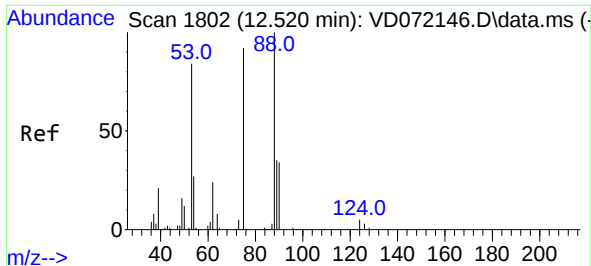


#80
1,3,5-Trimethylbenzene
Concen: 2.303 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



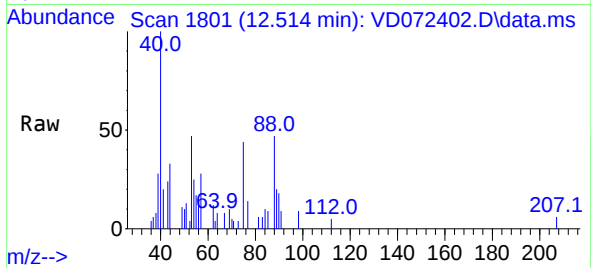
Tgt Ion:105 Resp: 43307
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 2.468 ug/l m
RT: 12.514 min Scan# 1801
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

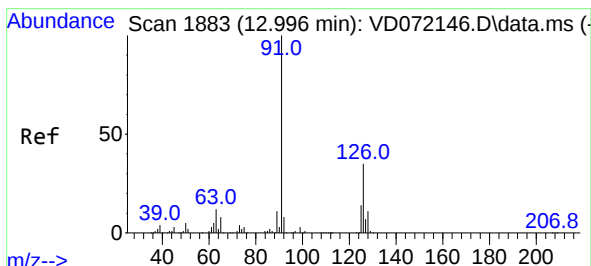
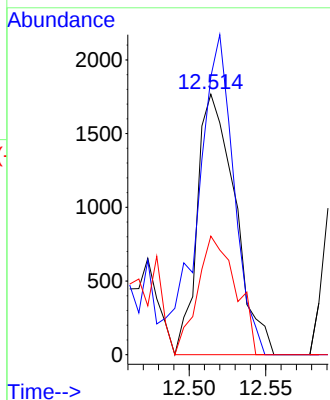
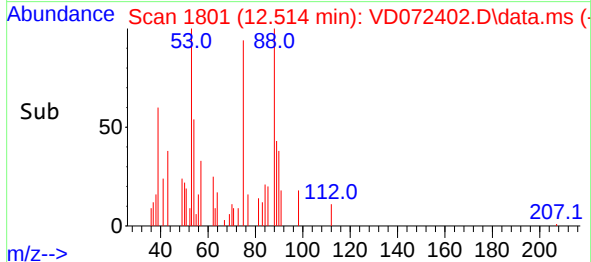
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 75 Resp: 303
Ion Ratio Lower Upper
75 100
53 11.6 86.5 129.7
89 0.0 33.9 50.9

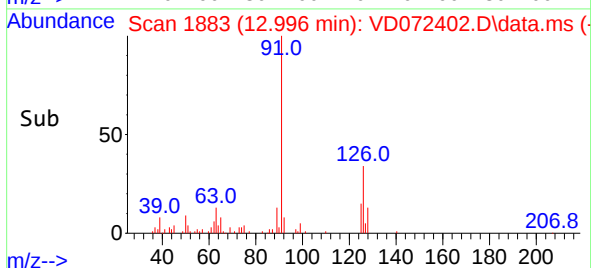
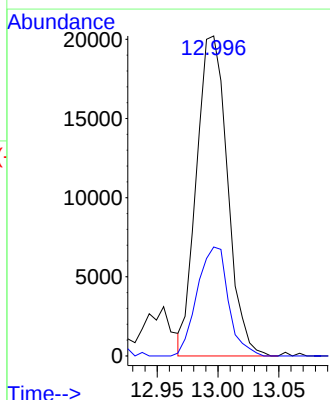
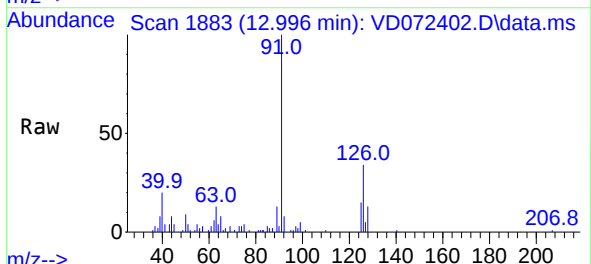
Manual Integrations
APPROVED

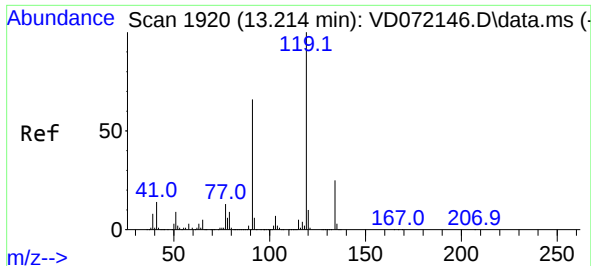
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#82
4-Chlorotoluene
Concen: 2.246 ug/l
RT: 12.996 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

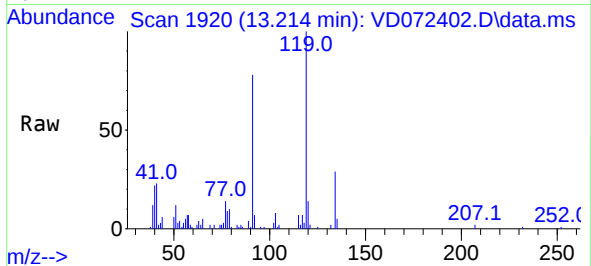
Tgt Ion: 91 Resp: 35753
Ion Ratio Lower Upper
91 100
126 34.3 16.5 49.5





#83
tert-Butylbenzene
Concen: 1.961 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

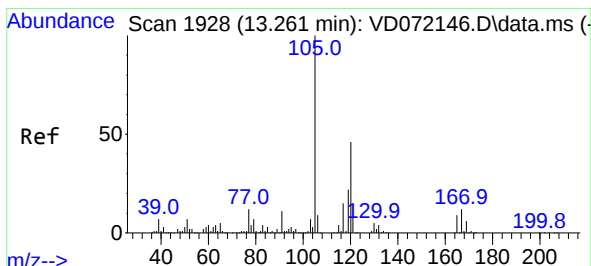
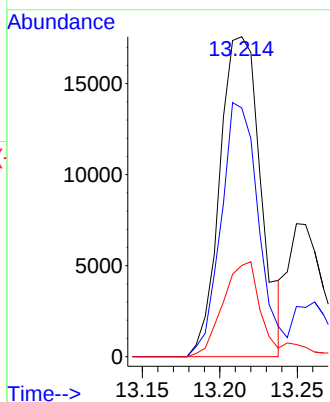
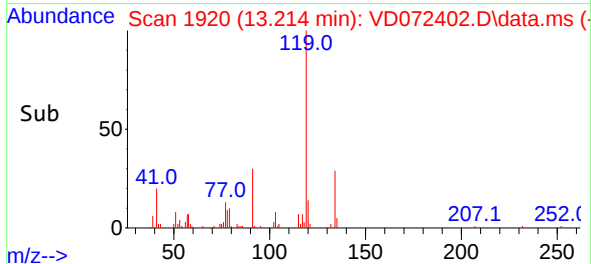
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



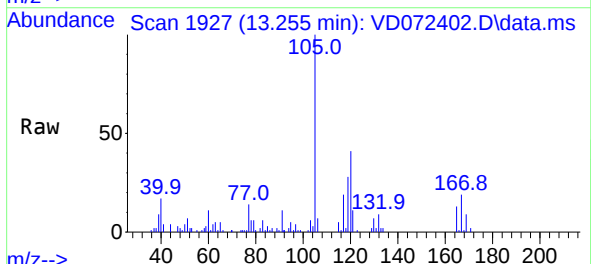
Tgt Ion:119 Resp: 32320
Ion Ratio Lower Upper
119 100
91 72.9 34.8 104.5
134 29.4 13.3 39.9

Manual Integrations
APPROVED

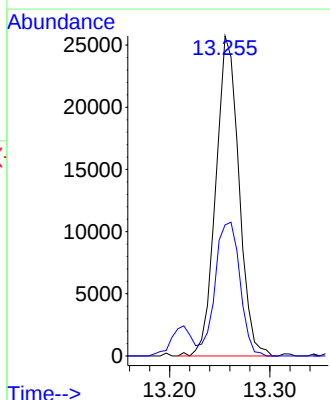
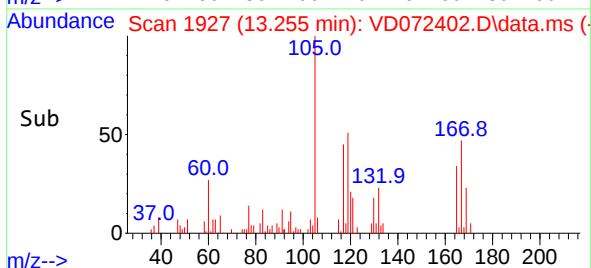
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

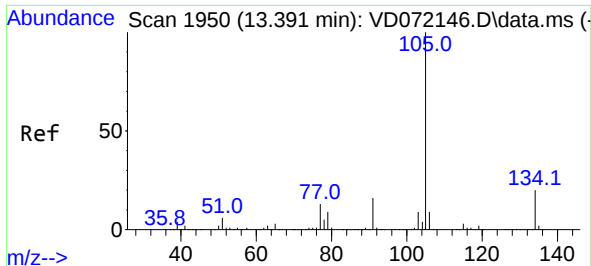


#84
1,2,4-Trimethylbenzene
Concen: 2.222 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



Tgt Ion:105 Resp: 41167
Ion Ratio Lower Upper
105 100
120 44.9 22.3 66.8





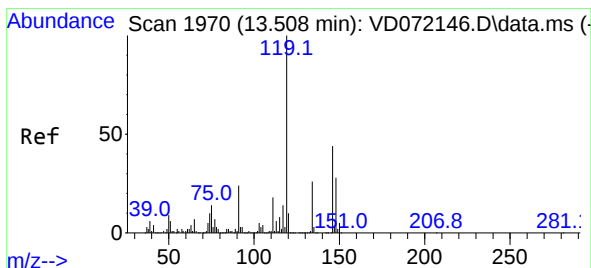
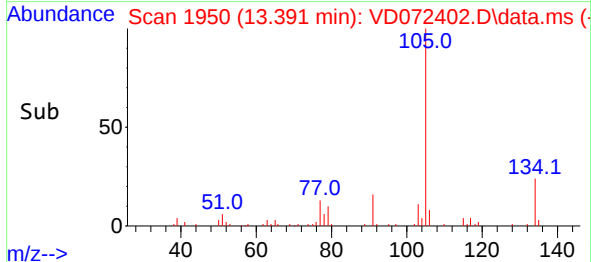
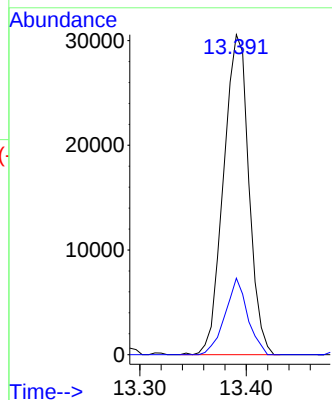
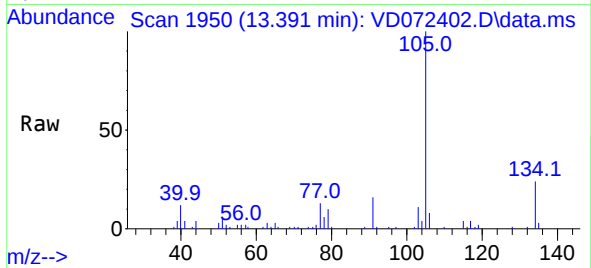
#85
 sec-Butylbenzene
 Concen: 2.036 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD072402.D
 Acq: 24 Mar 2022 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:105 Resp: 50414
 Ion Ratio Lower Upper
 105 100
 134 21.3 9.8 29.3

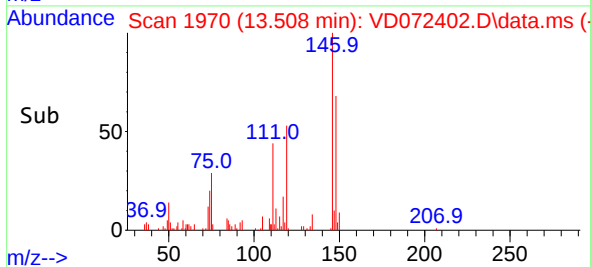
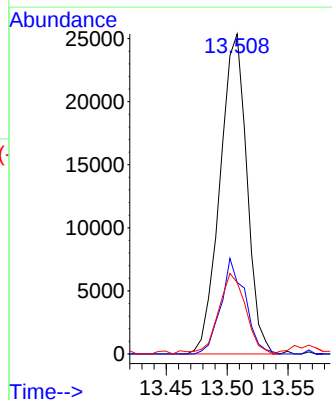
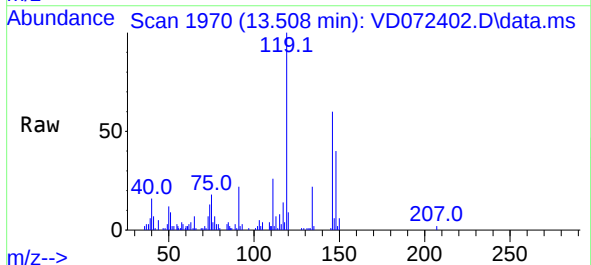
Manual Integrations
 APPROVED

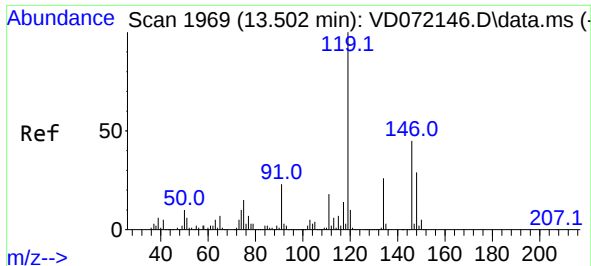
Reviewed By :John Carlone 03/25/2022
 Supervised By :Mahesh Dadoda 03/25/2022



#86
 p-Isopropyltoluene
 Concen: 1.911 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.000 min
 Lab File: VD072402.D
 Acq: 24 Mar 2022 12:36

Tgt Ion:119 Resp: 38935
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.9 38.6
 91 25.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 2.491 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD072402.D

Acq: 24 Mar 2022 12:36

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

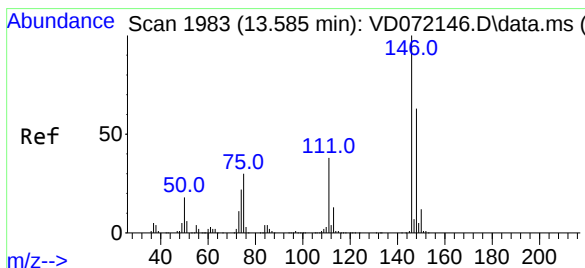
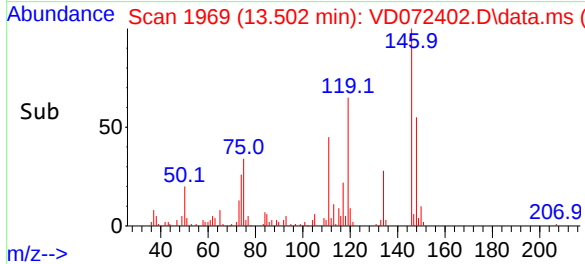
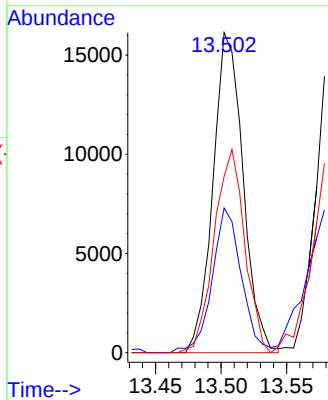
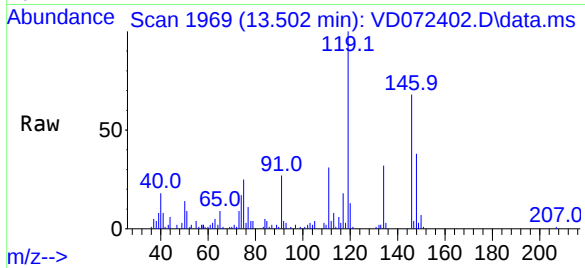
Tgt Ion:	146	Resp:	25710
Ion Ratio	Lower	Upper	
146	100		
111	43.9	20.4	61.3
148	64.5	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/25/2022

Supervised By :Mahesh Dadoda 03/25/2022



#88

1,4-Dichlorobenzene

Concen: 2.484 ug/l

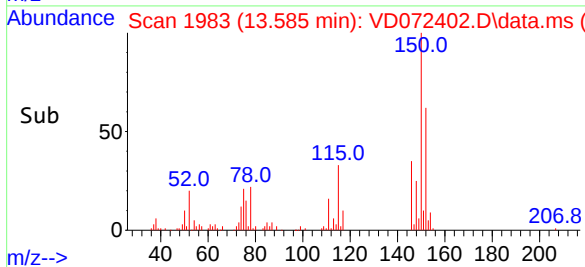
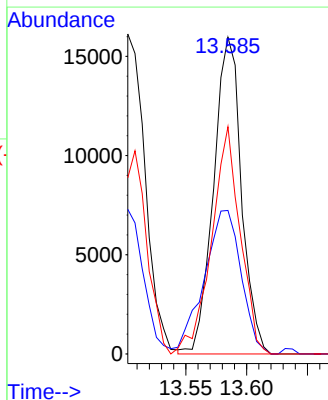
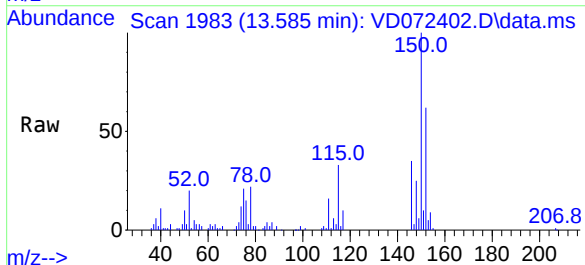
RT: 13.585 min Scan# 1983

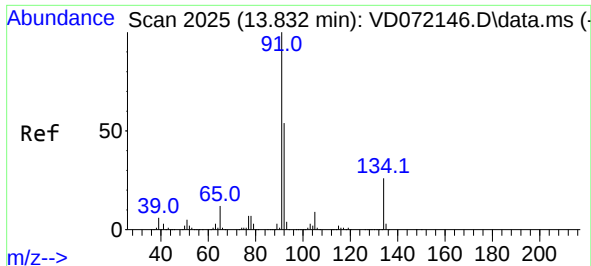
Delta R.T. 0.000 min

Lab File: VD072402.D

Acq: 24 Mar 2022 12:36

Tgt Ion:	146	Resp:	25430
Ion Ratio	Lower	Upper	
146	100		
111	60.3	20.3	60.9
148	73.7	31.7	95.1





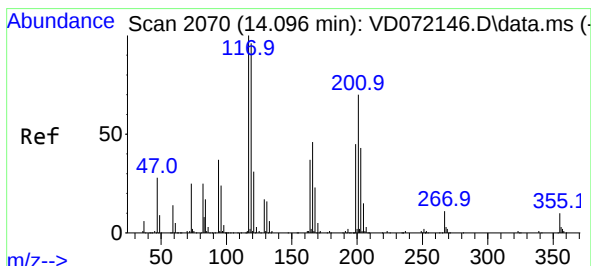
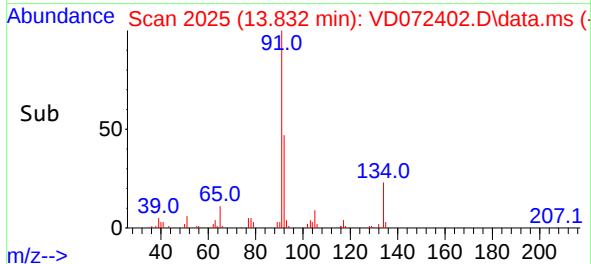
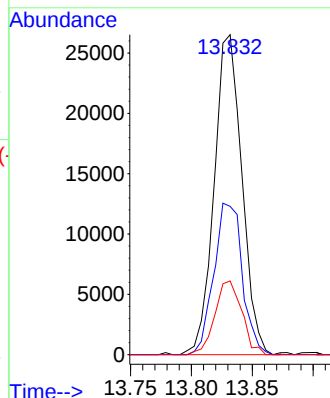
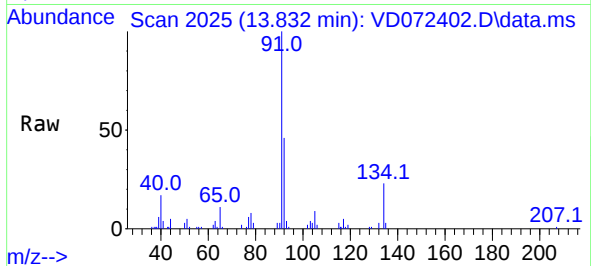
#89
n-Butylbenzene
Concen: 2.165 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 91 Resp: 4204
Ion Ratio Lower Upper
91 100
92 48.4 26.6 79.8
134 22.4 12.3 36.9

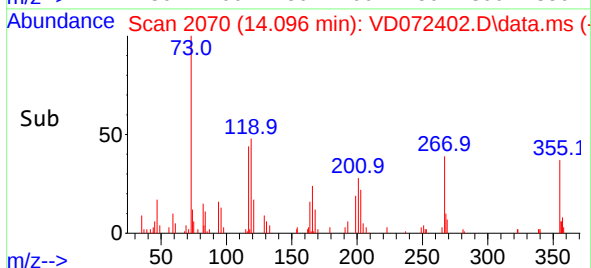
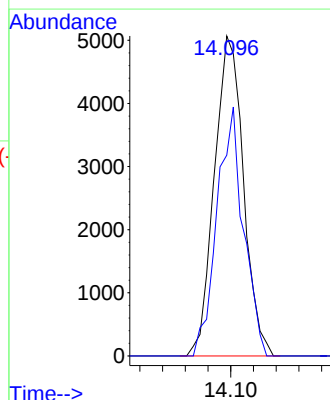
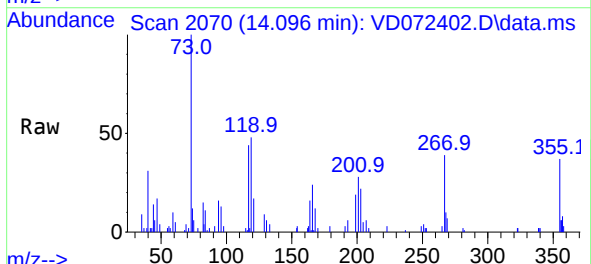
Manual Integrations
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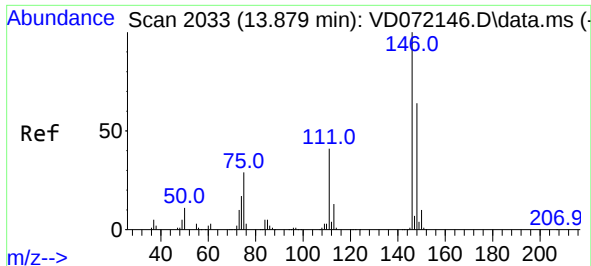
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#90
Hexachloroethane
Concen: 2.258 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Tgt Ion:117 Resp: 9016
Ion Ratio Lower Upper
117 100
201 71.0 33.4 100.2





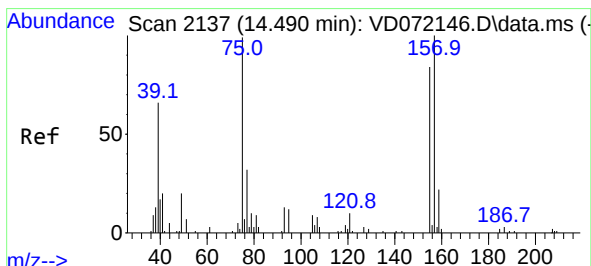
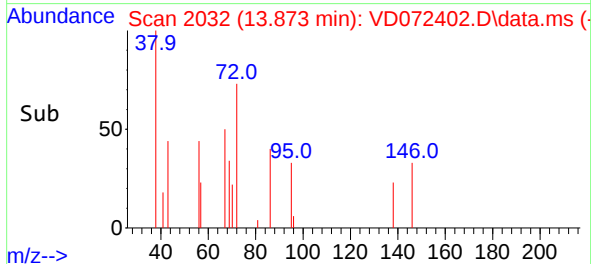
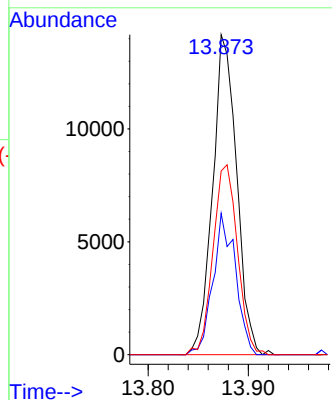
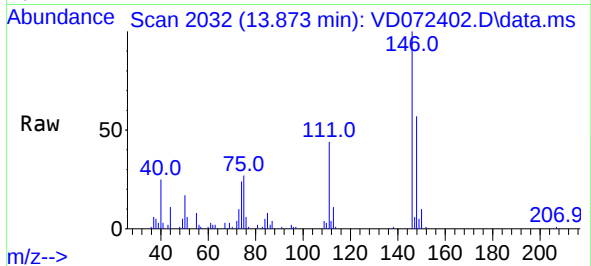
#91
1,2-Dichlorobenzene
Concen: 2.615 ug/l
RT: 13.873 min Scan# 2033
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:	146	Resp:	2354
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.1	63.3
148	60.5	31.7	95.1

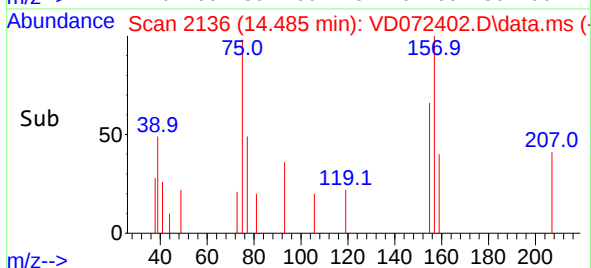
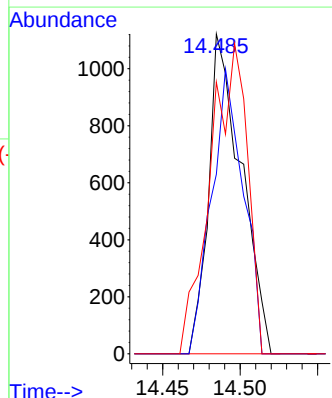
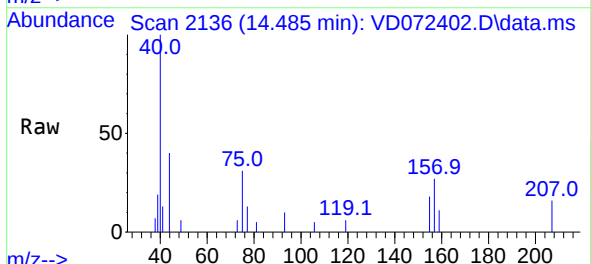
Manual Integrations
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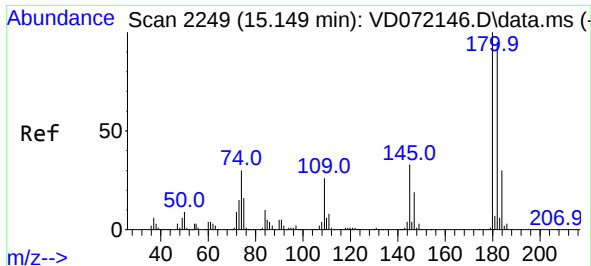
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.632 ug/l
RT: 14.485 min Scan# 2136
Delta R.T. -0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

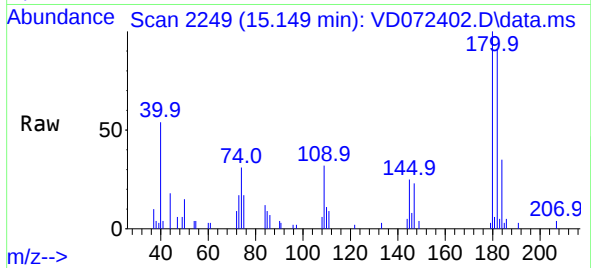
Tgt Ion:	75	Resp:	1644
Ion Ratio	Lower	Upper	
75	100		
155	87.0	36.8	110.3
157	109.9	48.4	145.0





#93
1,2,4-Trichlorobenzene
Concen: 2.438 ug/l
RT: 15.149 min Scan# 2149
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

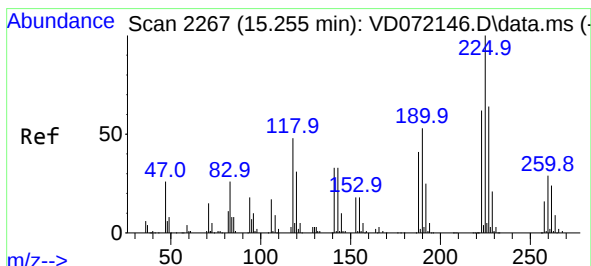
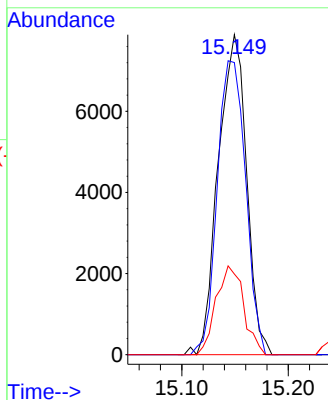
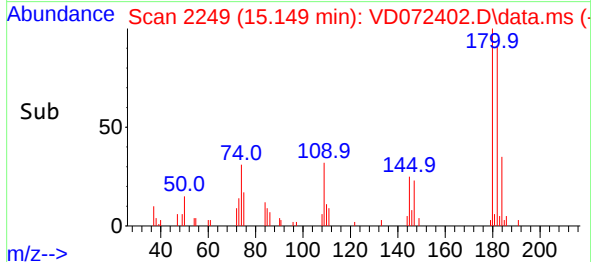
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



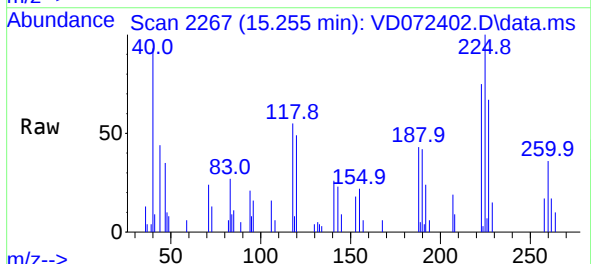
Tgt Ion:180 Resp: 14530
Ion Ratio Lower Upper
180 100
182 92.0 47.3 142.0
145 27.1 16.2 48.5

Manual Integrations
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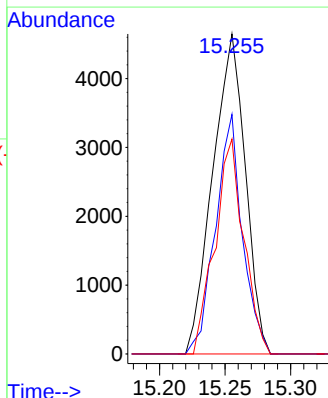
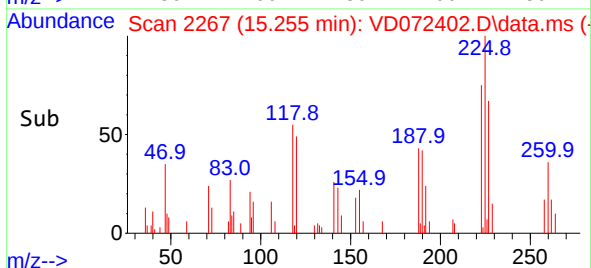
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

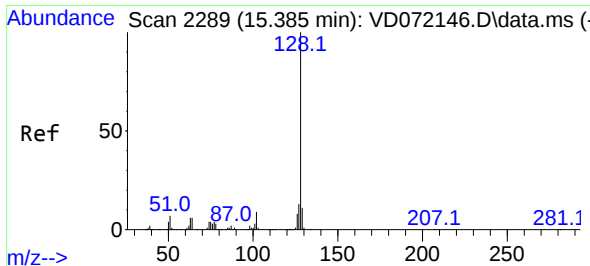


#94
Hexachlorobutadiene
Concen: 2.319 ug/l
RT: 15.255 min Scan# 2267
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36



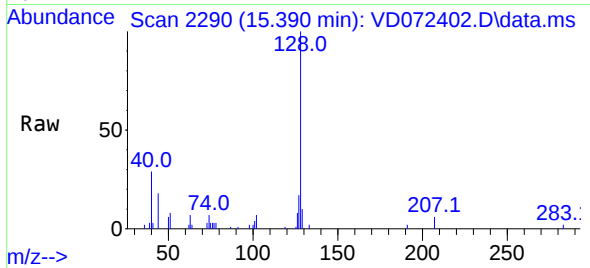
Tgt Ion:225 Resp: 8039
Ion Ratio Lower Upper
225 100
223 61.9 31.1 93.2
227 59.5 32.4 97.0





#95
Naphthalene
Concen: 2.401 ug/l
RT: 15.390 min Scan# 211
Delta R.T. 0.006 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

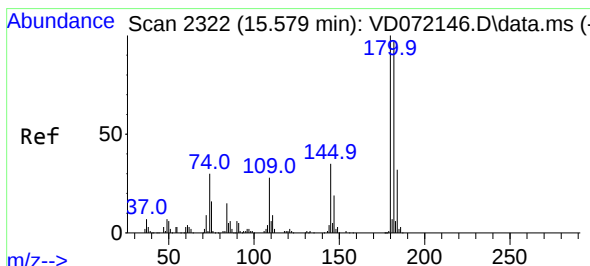
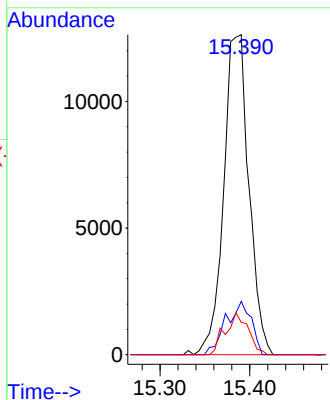
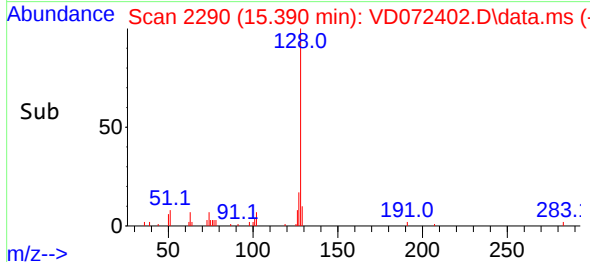
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:128 Resp: 24669
Ion Ratio Lower Upper
128 100
127 16.8 10.3 15.5
129 11.9 8.4 12.6

Manual Integrations
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Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022



#96
1,2,3-Trichlorobenzene
Concen: 2.415 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VD072402.D
Acq: 24 Mar 2022 12:36

Tgt Ion:180 Resp: 12460
Ion Ratio Lower Upper
180 100
182 97.2 47.6 142.9
145 34.5 17.1 51.3

