

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075677.D
 Acq On : 14 Apr 2023 13:58
 Operator : KP/SY
 Sample : 02213-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 17 01:56:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 17 01:56:34 2023
 Response via : Initial Calibration

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

Internal Standards						04/17/2023
1) Pentafluorobenzene	7.875	168	192658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	315035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	142270	50.000	ug/l	0.00
System Monitoring Compounds						04/17/2023
33) 1,2-Dichloroethane-d4	8.228	65	96563	52.804	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.600%
35) Dibromofluoromethane	7.804	113	117646	49.694	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.380%
50) Toluene-d8	10.269	98	445306	46.971	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.940%
62) 4-Bromofluorobenzene	12.574	95	117496	46.627	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.260%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	4551	2.542	ug/l	98
3) Chloromethane	2.146	50	9350	2.893	ug/l	97
4) Vinyl Chloride	2.281	62	11362	2.649	ug/l	92
5) Bromomethane	2.693	94	10739	3.207	ug/l	93
6) Chloroethane	2.840	64	7780	2.694	ug/l #	82
7) Trichlorofluoromethane	3.169	101	9549	2.873	ug/l	96
8) Diethyl Ether	3.593	74	2855	2.760	ug/l	64
9) 1,1,2-Trichlorotrifluo...	3.969	101	6206	2.978	ug/l	86
10) Methyl Iodide	4.157	142	6984	2.449	ug/l #	86
11) Tert butyl alcohol	5.063	59	1420m	15.472	ug/l	
12) 1,1-Dichloroethene	3.934	96	6082	2.818	ug/l #	74
13) Acrolein	3.798	56	2366	12.781	ug/l	95
14) Allyl chloride	4.563	41	4973	2.530	ug/l #	81
15) Acrylonitrile	5.257	53	5239	13.560	ug/l #	85
16) Acetone	4.022	43	5140	15.343	ug/l	98
17) Carbon Disulfide	4.263	76	19207	2.720	ug/l	96
18) Methyl Acetate	4.557	43	3325m	2.943	ug/l	
19) Methyl tert-butyl Ether	5.322	73	9793	2.338	ug/l	97
20) Methylene Chloride	4.793	84	16088	5.217	ug/l #	72
21) trans-1,2-Dichloroethene	5.310	96	6801	2.646	ug/l #	68
22) Diisopropyl ether	6.204	45	10233	2.304	ug/l #	93
23) Vinyl Acetate	6.157	43	23541m	11.413	ug/l	
24) 1,1-Dichloroethane	6.110	63	10056	2.733	ug/l #	92
25) 2-Butanone	7.075	43	5693	13.198	ug/l #	48
26) 2,2-Dichloropropane	7.081	77	10127	3.036	ug/l	98
27) cis-1,2-Dichloroethene	7.069	96	6926	2.433	ug/l	88
28) Bromochloromethane	7.428	49	2992	2.572	ug/l #	41
29) Tetrahydrofuran	7.445	42	3108	13.176	ug/l #	75
30) Chloroform	7.587	83	10763	2.580	ug/l	96
31) Cyclohexane	7.881	56	9825	3.424	ug/l #	60
32) 1,1,1-Trichloroethane	7.804	97	8753	2.573	ug/l	97
36) 1,1-Dichloropropene	8.004	75	8007	2.452	ug/l	95
37) Ethyl Acetate	7.175	43	2327	2.341	ug/l #	80
38) Carbon Tetrachloride	7.986	117	6867	2.388	ug/l	94
39) Methylcyclohexane	9.275	83	9408	2.491	ug/l #	84
40) Benzene	8.245	78	24464	2.409	ug/l	99

04/17/2023
 Supervised By :Mahesh
 adoda

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Quant Time: Apr 17 01:56:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 17 01:56:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	1366m	2.864	ug/l	96
42) 1,2-Dichloroethane	8.322	62	6295	2.730	ug/l	96
43) Isopropyl Acetate	8.363	43	4763	2.628	ug/l #	59
44) Trichloroethene	9.033	130	6833	2.378	ug/l	94
45) 1,2-Dichloropropane	9.310	63	5221	2.295	ug/l	94
46) Dibromomethane	9.398	93	3393	2.351	ug/l	97
47) Bromodichloromethane	9.581	83	7610	2.305	ug/l #	94
48) Methyl methacrylate	9.381	41	2039	2.525	ug/l #	65
49) 1,4-Dioxane	9.381	88	663	46.296	ug/l #	46
51) 4-Methyl-2-Pentanone	10.163	43	9851	10.194	ug/l #	75
52) Toluene	10.333	92	15838	2.346	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	7051	2.228	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	8374	2.227	ug/l #	75
55) 1,1,2-Trichloroethane	10.733	97	4817	2.305	ug/l #	86
56) Ethyl methacrylate	10.604	69	4018	1.954	ug/l #	69
57) 1,3-Dichloropropane	10.886	76	7605	2.397	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	8600	9.736	ug/l #	83
59) 2-Hexanone	10.922	43	7059	10.389	ug/l	87
60) Dibromochloromethane	11.080	129	5745	2.349	ug/l	98
61) 1,2-Dibromoethane	11.180	107	4548	2.281	ug/l	96
64) Tetrachloroethene	10.810	164	5571	2.455	ug/l	88
65) Chlorobenzene	11.604	112	16818	2.492	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.675	131	5692	2.454	ug/l	90
67) Ethyl Benzene	11.686	91	26759	2.444	ug/l	96
68) m/p-Xylenes	11.792	106	19003	4.234	ug/l	97
69) o-Xylene	12.122	106	8952	2.206	ug/l	93
70) Styrene	12.133	104	15035	2.176	ug/l	91
71) Bromoform	12.298	173	2705	2.231	ug/l #	88
73) Isopropylbenzene	12.422	105	21306	2.282	ug/l	95
74) N-amyl acetate	12.233	43	3334	2.430	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.674	83	5353	2.951	ug/l	95
76) 1,2,3-Trichloropropane	12.727	75	3764m	3.244	ug/l	
77) Bromobenzene	12.704	156	6617	2.749	ug/l	89
78) n-propylbenzene	12.763	91	29531	2.580	ug/l	98
79) 2-Chlorotoluene	12.851	91	16306	2.512	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	17476	2.245	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	1359m	2.539	ug/l	
82) 4-Chlorotoluene	12.945	91	16989	2.517	ug/l	95
83) tert-Butylbenzene	13.169	119	14830	2.260	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	15789	2.021	ug/l	91
85) sec-Butylbenzene	13.345	105	23631	2.334	ug/l	91
86) p-Isopropyltoluene	13.457	119	17874	2.120	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	12119	2.420	ug/l	94
88) 1,4-Dichlorobenzene	13.539	146	13717	2.773	ug/l	90
89) n-Butylbenzene	13.786	91	20517	2.642	ug/l	95
90) Hexachloroethane	14.057	117	4770	2.848	ug/l	88
91) 1,2-Dichlorobenzene	13.833	146	11042	2.574	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	665	2.735	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	6516	2.611	ug/l	97
94) Hexachlorobutadiene	15.210	225	3308	2.773	ug/l	96
95) Naphthalene	15.333	128	12479	2.639	ug/l	95
96) 1,2,3-Trichlorobenzene	15.527	180	5501	2.504	ug/l	98

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Manual Integrations
APPROVED

Reviewed By :John
 Carlone

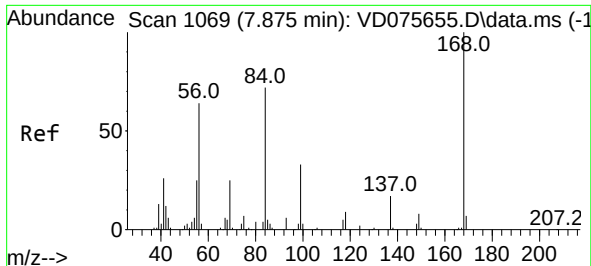
Quant Time: Apr 17 01:56:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 17 01:56:34 2023
 Response via : Initial Calibration

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

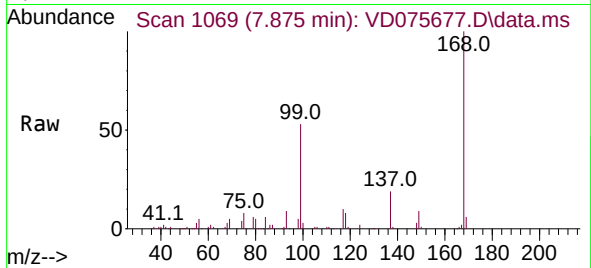
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 Dadoda

04/17/2023



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

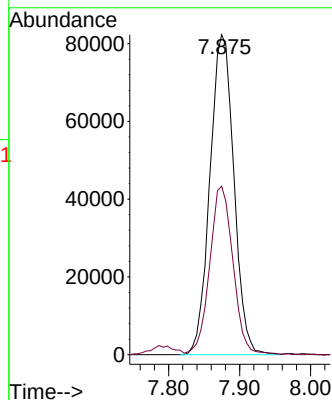
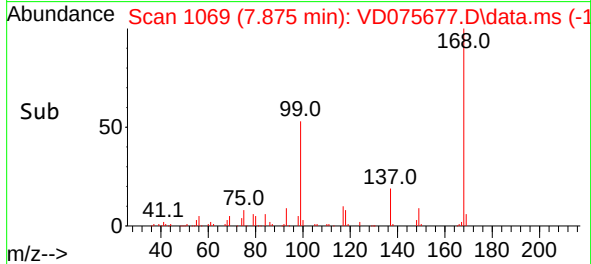
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion:168 Resp: 192658
Ion Ratio Lower Upper
168 100
99 52.5 43.8 65.6

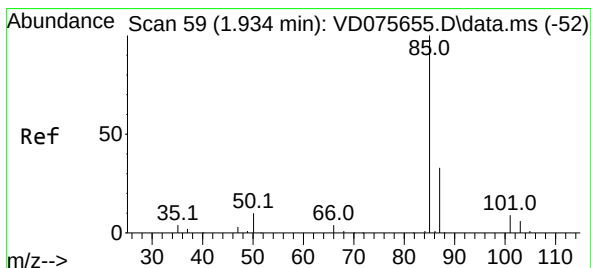
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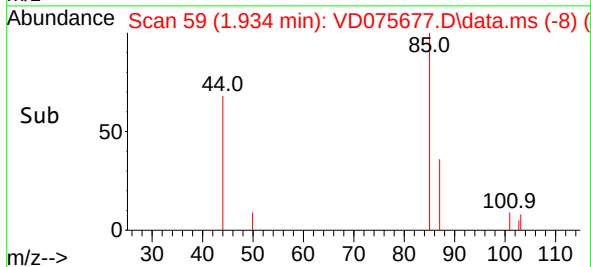
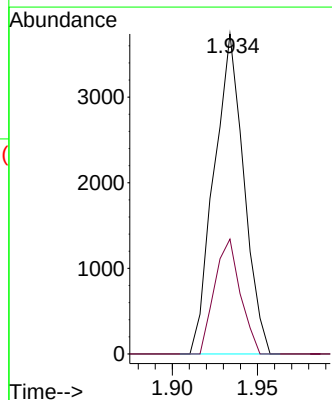
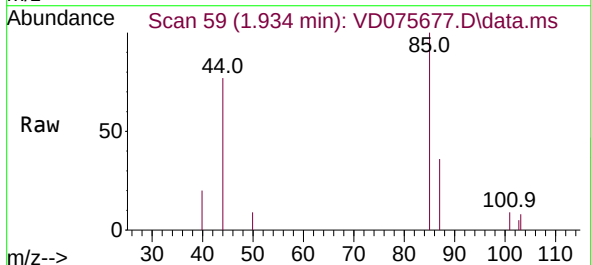
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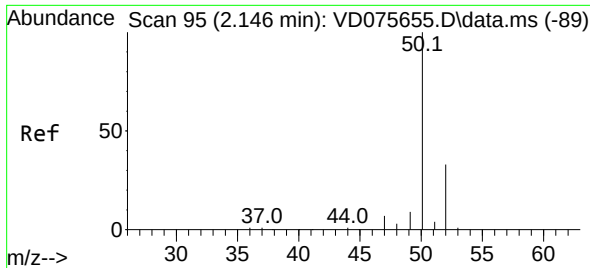
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#2
Dichlorodifluoromethane
Concen: 2.542 ug/l
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

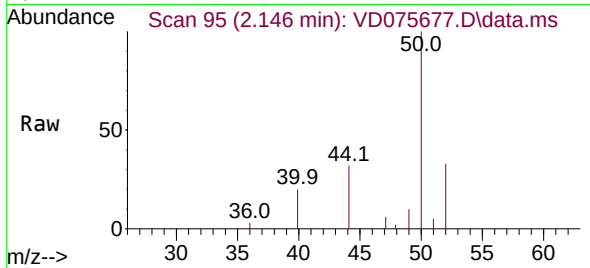
Tgt Ion: 85 Resp: 4551
Ion Ratio Lower Upper
85 100
87 35.9 17.3 51.7





#3
Chloromethane
Concen: 2.893 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

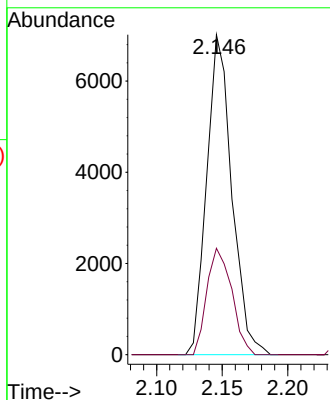
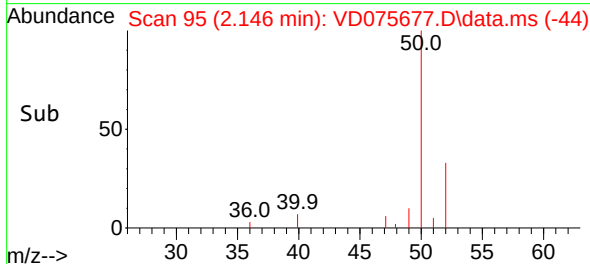
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 50 Resp: 9350
Ion Ratio Lower Upper
50 100
52 33.2 27.8 41.8

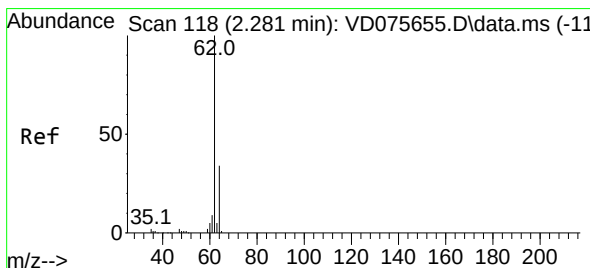
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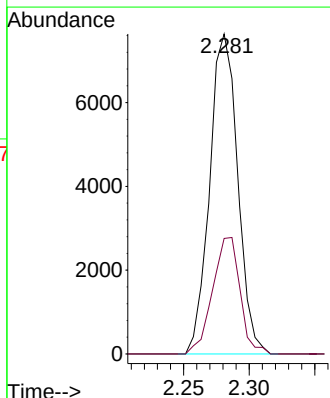
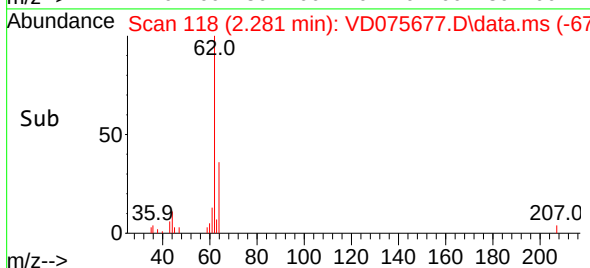
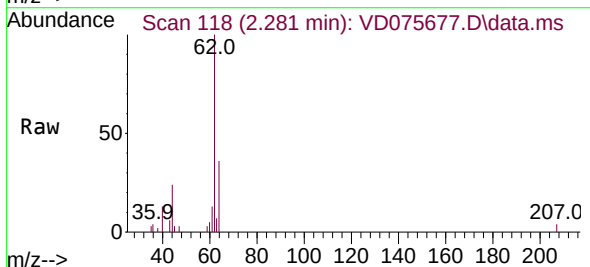
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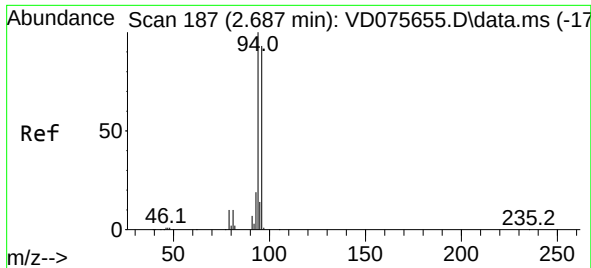
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#4
Vinyl Chloride
Concen: 2.649 ug/l
RT: 2.281 min Scan# 118
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

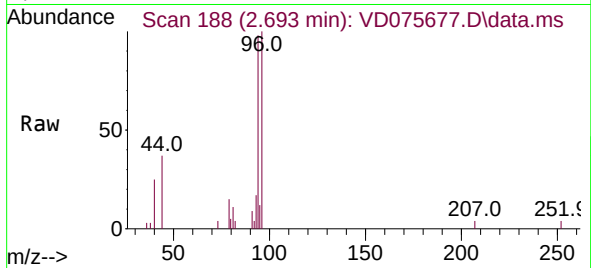
Tgt Ion: 62 Resp: 11362
Ion Ratio Lower Upper
62 100
64 36.1 25.4 38.0





#5
Bromomethane
Concen: 3.207 ug/l
RT: 2.693 min Scan# 187
Delta R.T. 0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

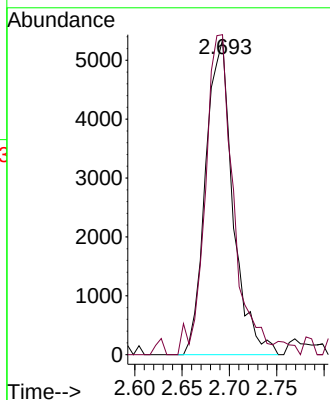
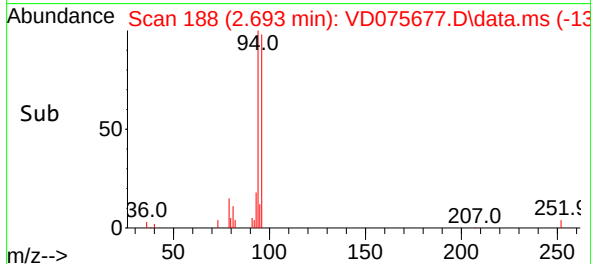
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 94 Resp: 10739
Ion Ratio Lower Upper
94 100
96 104.2 77.5 116.3

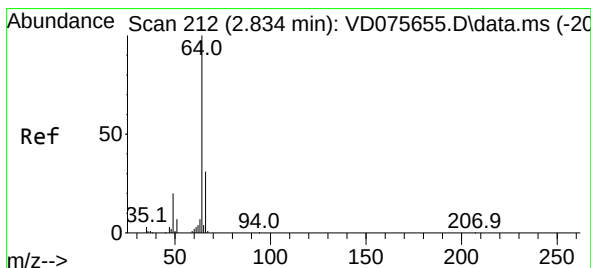
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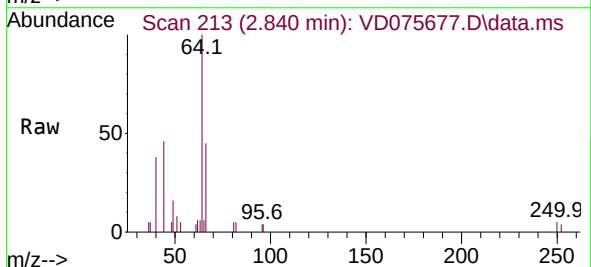


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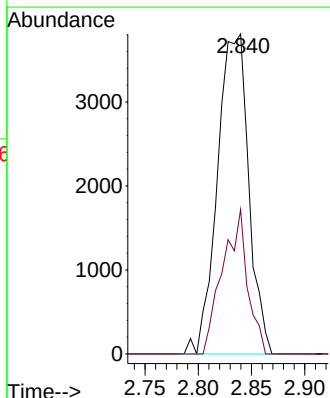
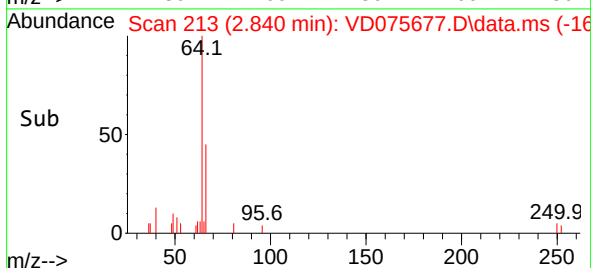
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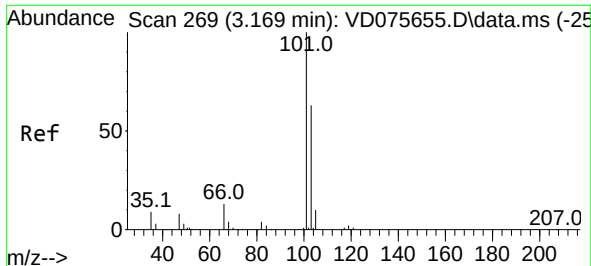


#6
Chloroethane
Concen: 2.694 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



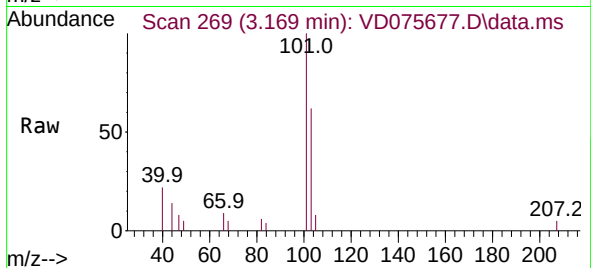
Tgt Ion: 64 Resp: 7780
Ion Ratio Lower Upper
64 100
66 45.1 27.7 41.5#





#7
Trichlorofluoromethane
Concen: 2.873 ug/l
RT: 3.169 min Scan# 207
Delta R.T. 0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

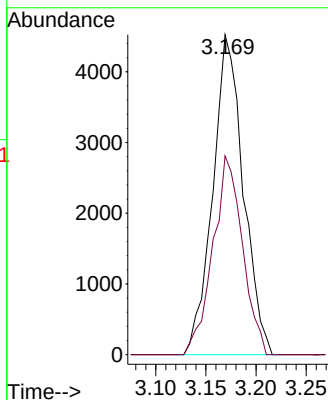
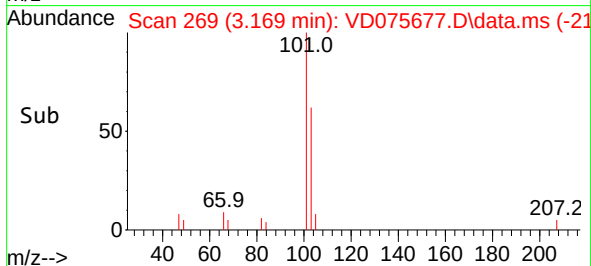
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:101 Resp: 9549
Ion Ratio Lower Upper
101 100
103 62.1 51.9 77.9

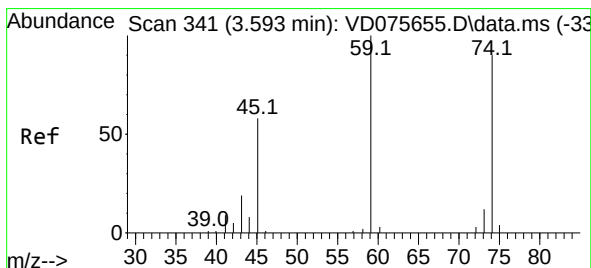
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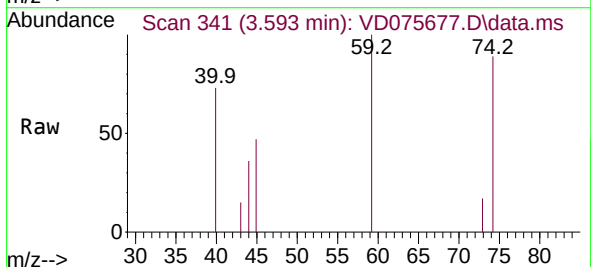


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Supervised By :Mahesh
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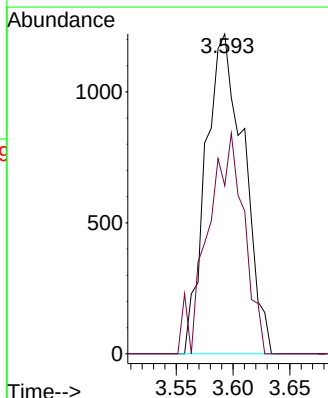
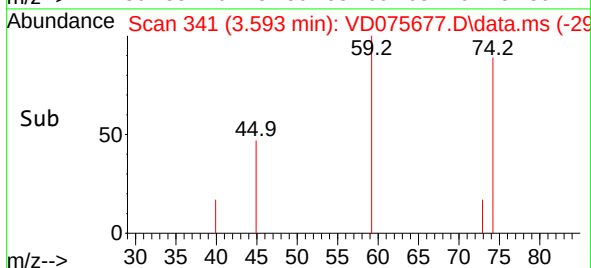
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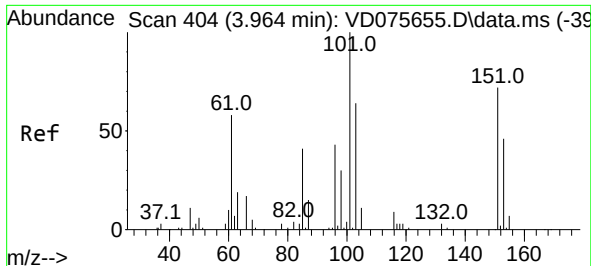


#8
Diethyl Ether
Concen: 2.760 ug/l
RT: 3.593 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



Tgt Ion: 74 Resp: 2855
Ion Ratio Lower Upper
74 100
45 65.4 50.9 152.7





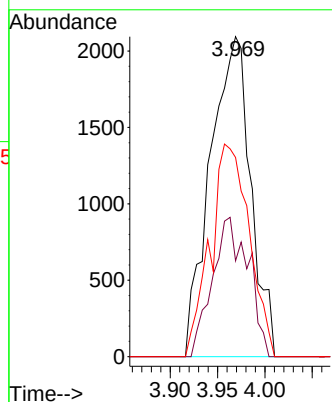
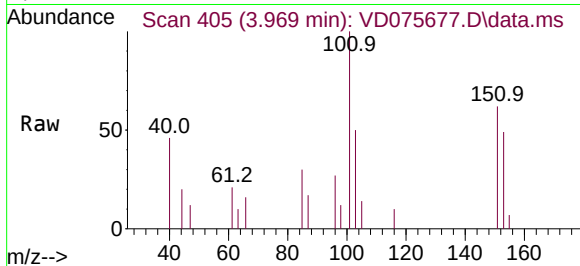
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.978 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion:101 Resp: 6200
Ion Ratio Lower Upper
101 100
85 38.7 38.3 57.5
151 64.0 60.4 90.6

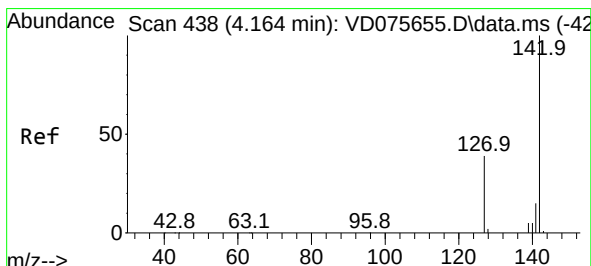
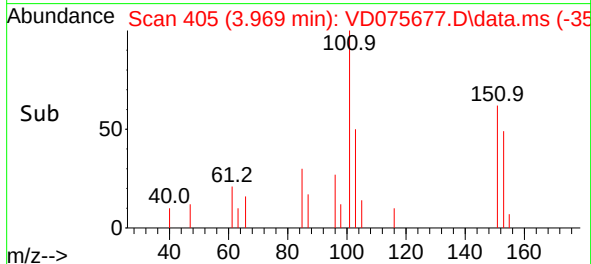
Manual Integrations
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Reviewed By :John
Carlone



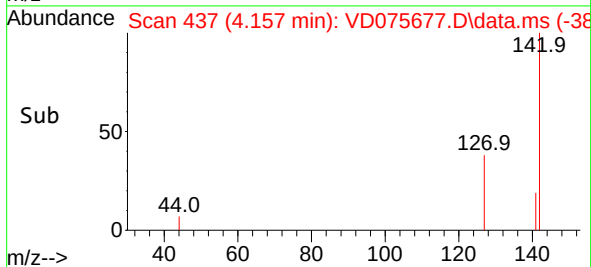
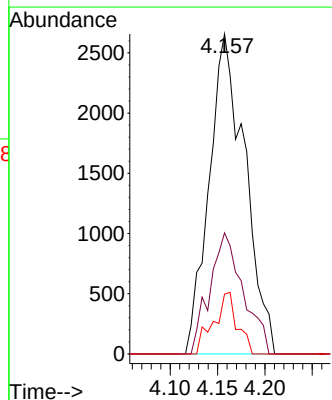
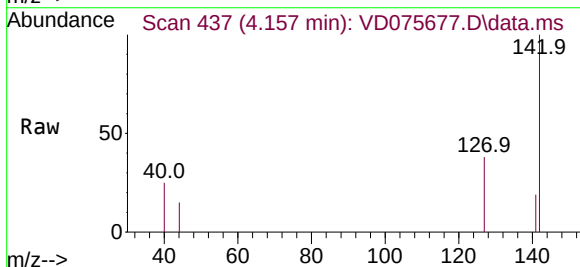
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Supervised By :Mahesh
Dadoda

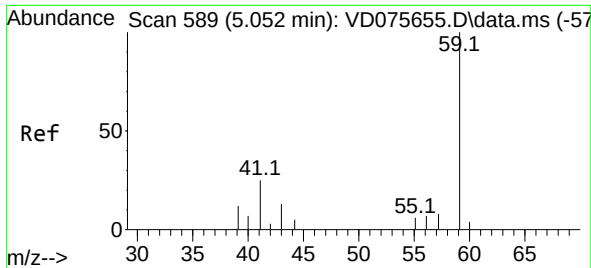
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#10
Methyl Iodide
Concen: 2.449 ug/l
RT: 4.157 min Scan# 437
Delta R.T. -0.007 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion:142 Resp: 6984
Ion Ratio Lower Upper
142 100
127 35.4 37.1 55.7#
141 12.7 11.3 16.9





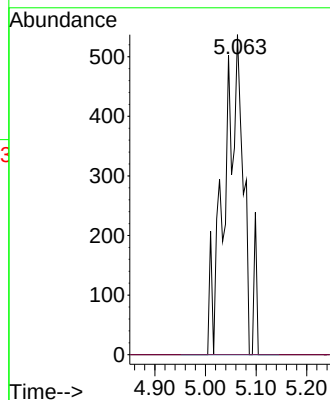
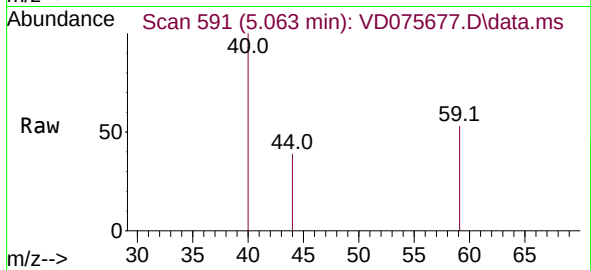
#11
Tert butyl alcohol
Concen: 15.472 ug/l m
RT: 5.063 min Scan# 591
Delta R.T. 0.011 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 59 Resp: 1420
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

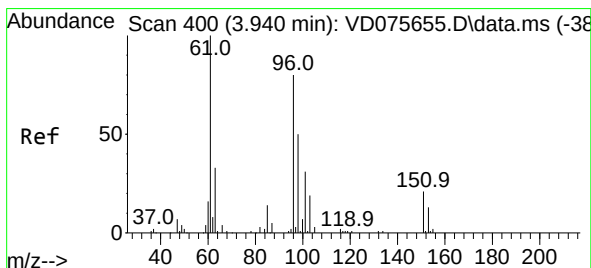
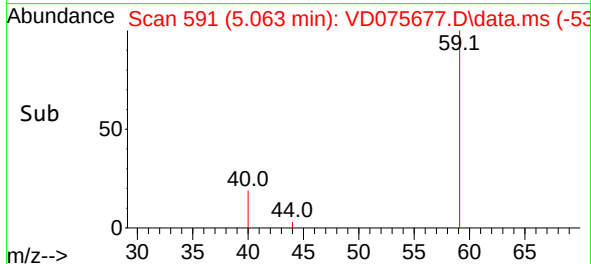
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Reviewed By :John
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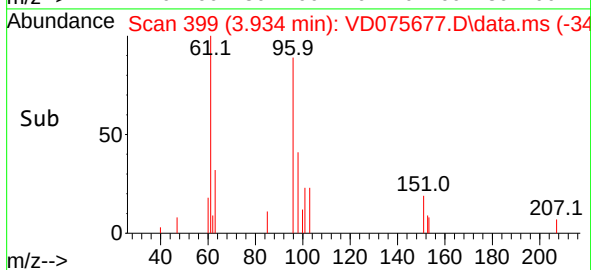
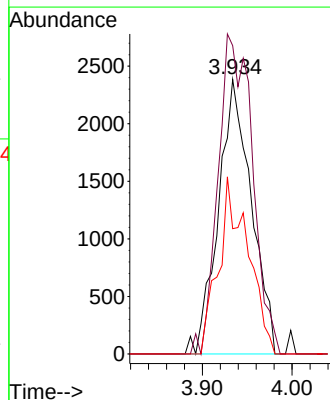
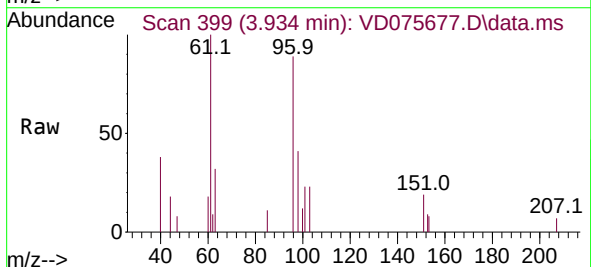
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Supervised By :Mahesh
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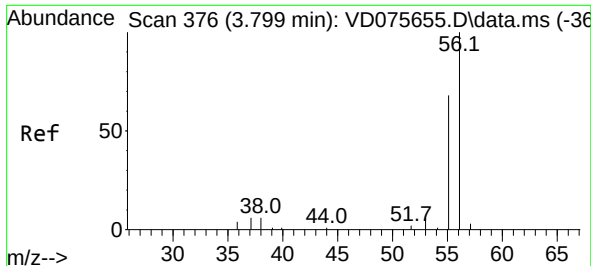
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#12
1,1-Dichloroethene
Concen: 2.818 ug/l
RT: 3.934 min Scan# 399
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

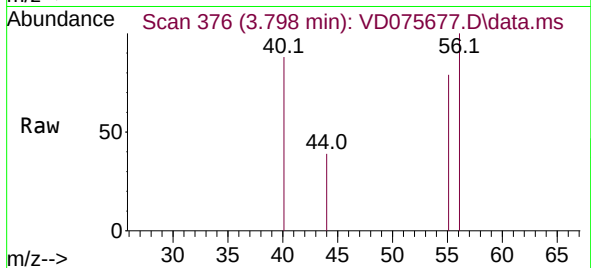
Tgt Ion: 96 Resp: 6082
Ion Ratio Lower Upper
96 100
61 112.2 118.6 177.8#
98 45.6 49.7 74.5#





#13
Acrolein
Concen: 12.781 ug/l
RT: 3.798 min Scan# 31
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

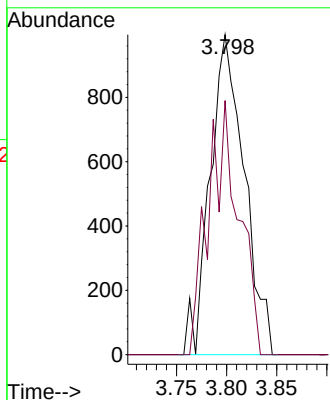
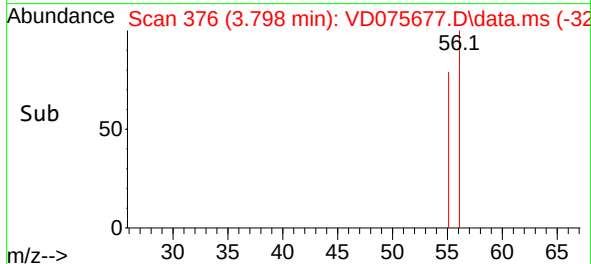
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 56 Resp: 2360
Ion Ratio Lower Upper
56 100
55 71.3 53.9 80.9

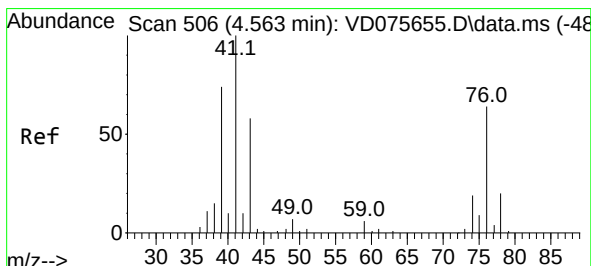
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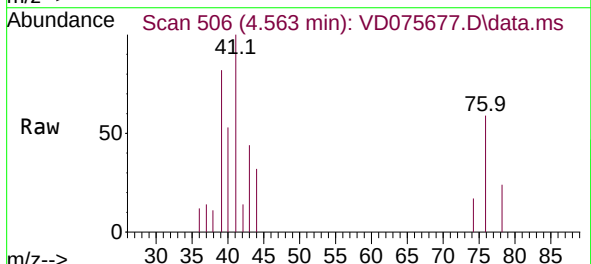


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Supervised By :Mahesh
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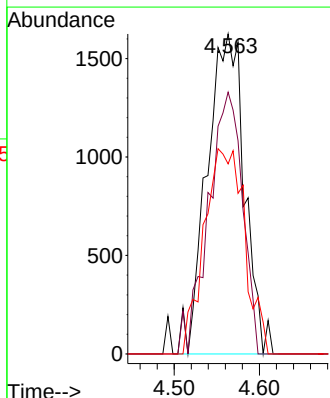
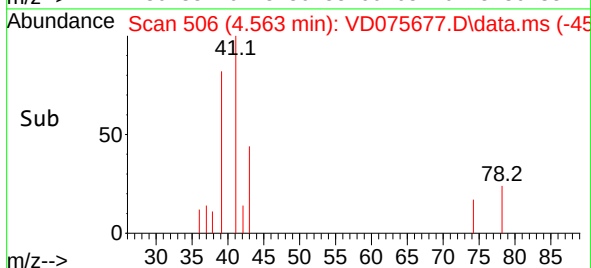
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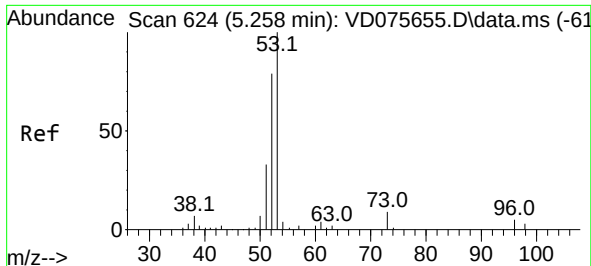


#14
Allyl chloride
Concen: 2.530 ug/l
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



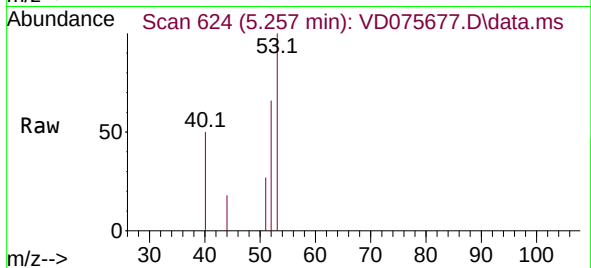
Tgt Ion: 41 Resp: 4973
Ion Ratio Lower Upper
41 100
39 74.3 60.6 90.8
76 69.0 28.6 43.0#





#15
Acrylonitrile
Concen: 13.560 ug/l
RT: 5.257 min Scan# 61
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

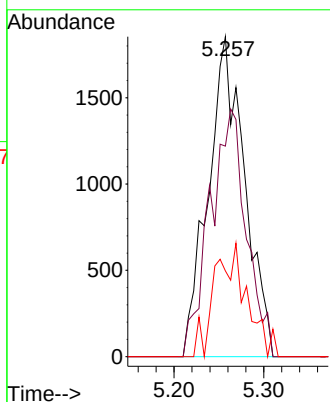
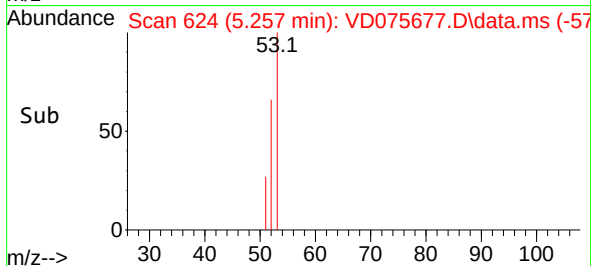
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 53 Resp: 5239
Ion Ratio Lower Upper
53 100
52 77.5 66.2 99.4
51 16.9 30.7 46.1

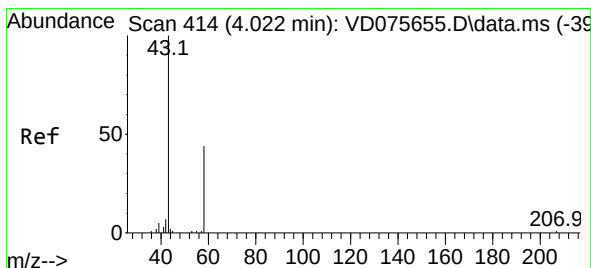
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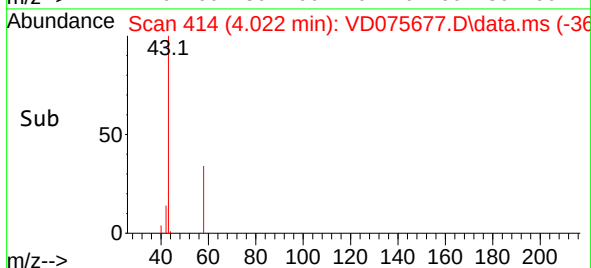
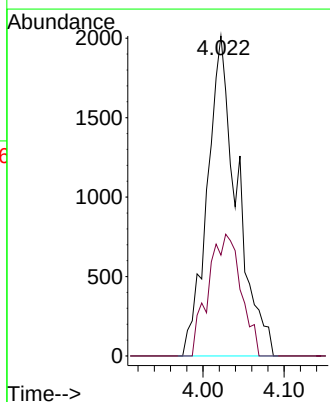
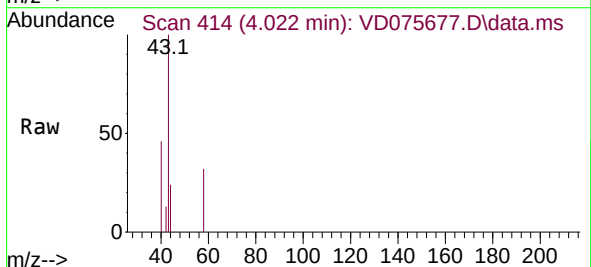
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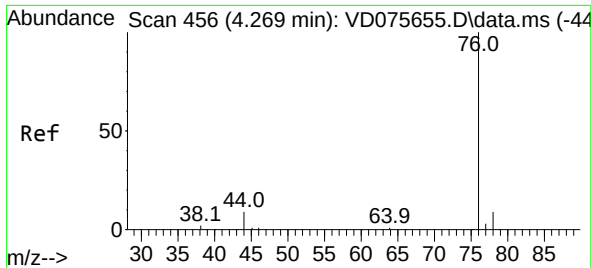
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#16
Acetone
Concen: 15.343 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

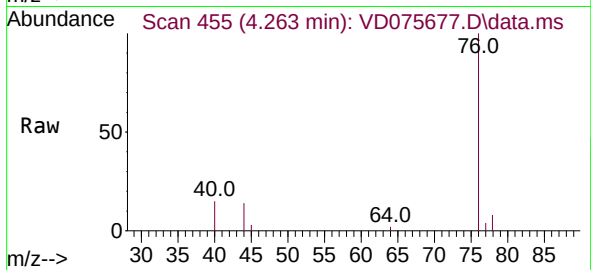
Tgt Ion: 43 Resp: 5140
Ion Ratio Lower Upper
43 100
58 31.5 24.4 36.6





#17
Carbon Disulfide
Concen: 2.720 ug/l
RT: 4.263 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

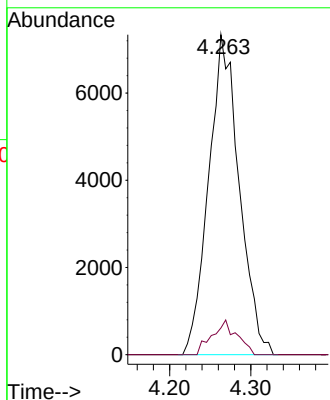
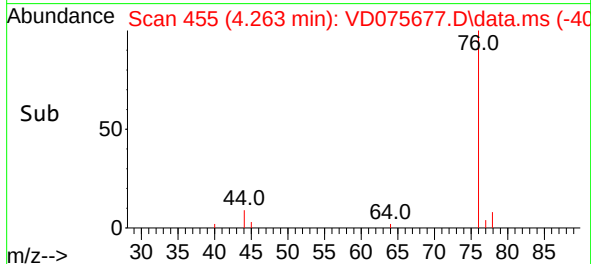
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 76 Resp: 1920
Ion Ratio Lower Upper
76 100
78 8.4 8.0 12.0

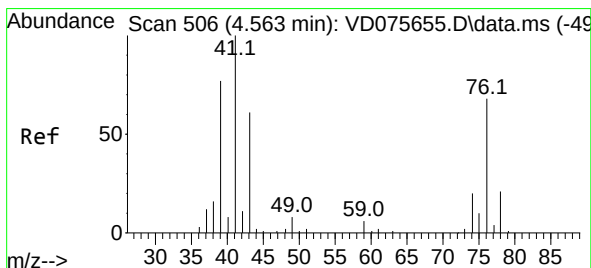
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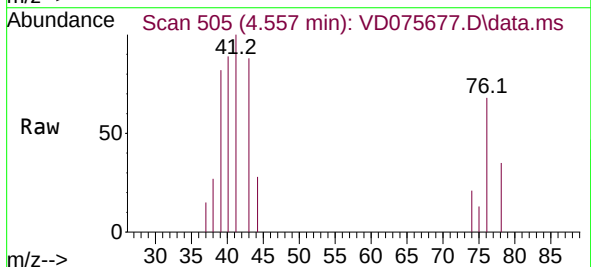


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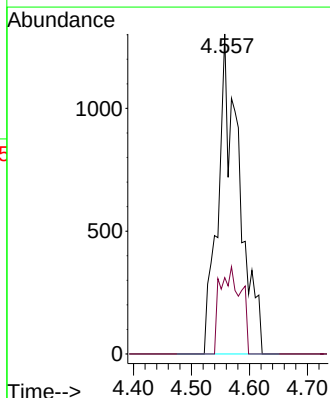
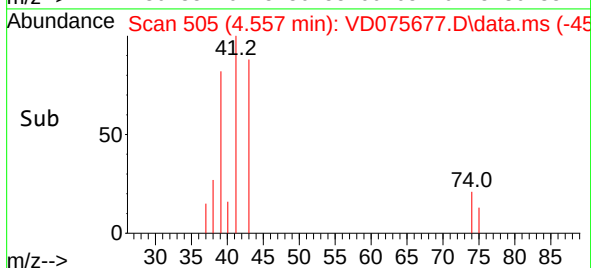
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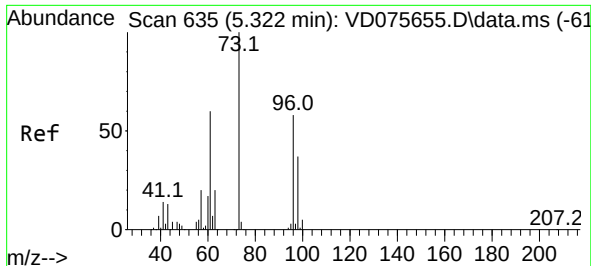


#18
Methyl Acetate
Concen: 2.943 ug/l m
RT: 4.557 min Scan# 505
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



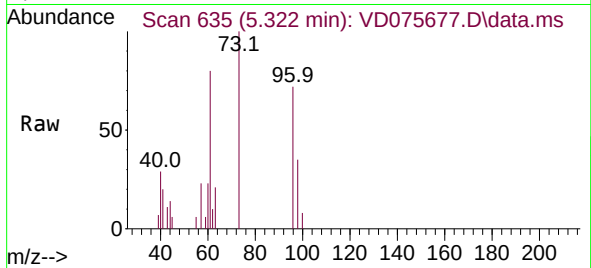
Tgt Ion: 43 Resp: 3325
Ion Ratio Lower Upper
43 100
74 27.0 17.8 26.6#





#19
Methyl tert-butyl Ether
Concen: 2.338 ug/l
RT: 5.322 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

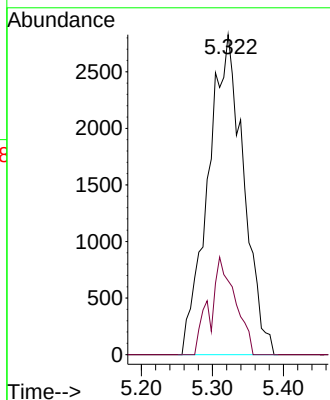
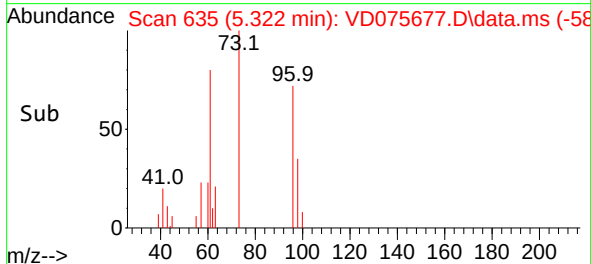
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 73 Resp: 979
Ion Ratio Lower Upper
73 100
57 23.1 17.2 25.8

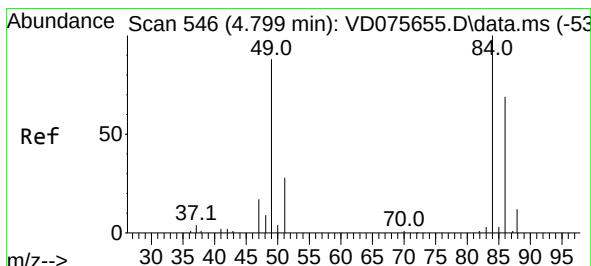
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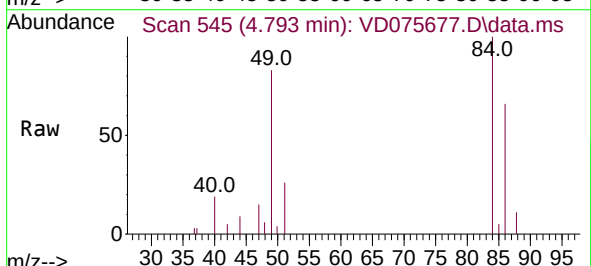


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Supervised By :Mahesh
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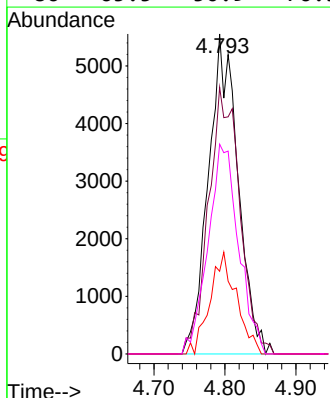
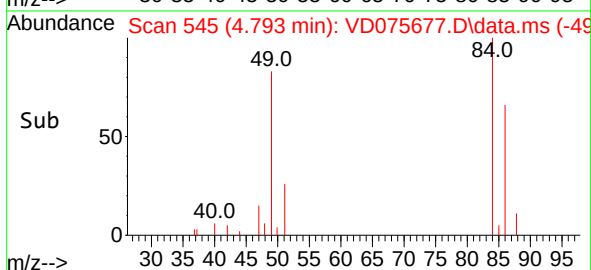
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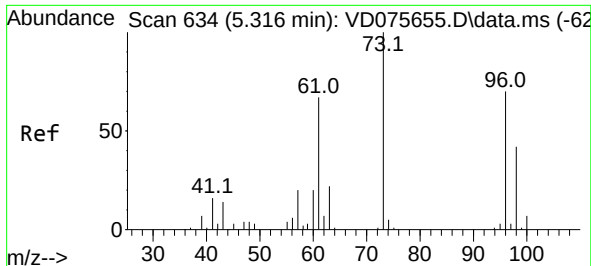


#20
Methylene Chloride
Concen: 5.217 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



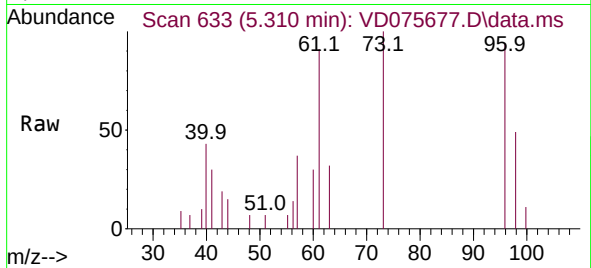
Tgt Ion: 84 Resp: 16088
Ion Ratio Lower Upper
84 100
49 83.4 106.4 159.6#
51 25.9 32.4 48.6#
86 65.5 50.9 76.3





#21
trans-1,2-Dichloroethene
Concen: 2.646 ug/l
RT: 5.310 min Scan# 610
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

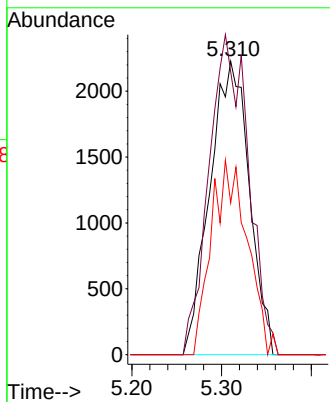
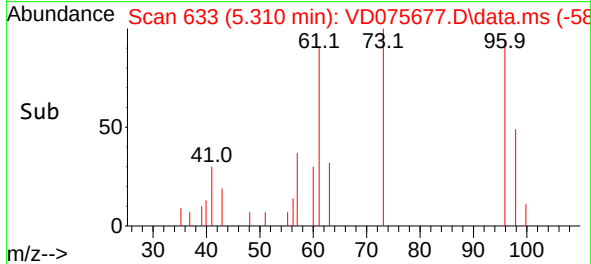
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 96 Resp: 680
Ion Ratio Lower Upper
96 100
61 96.4 117.2 175.8
98 51.8 50.6 76.0

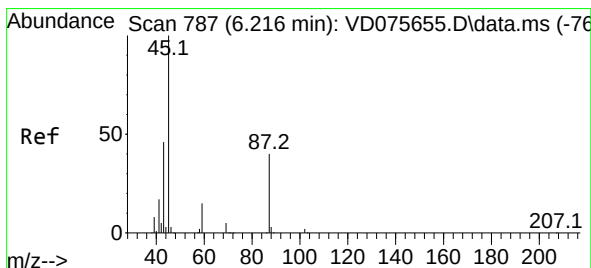
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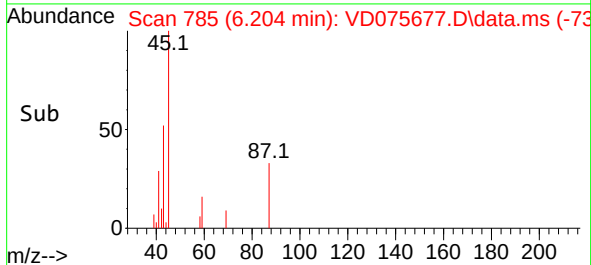
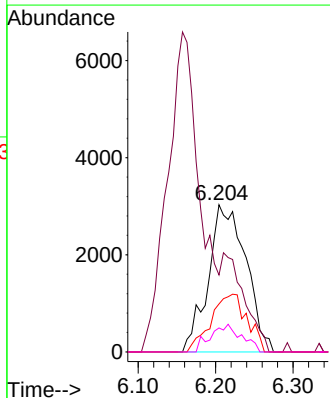
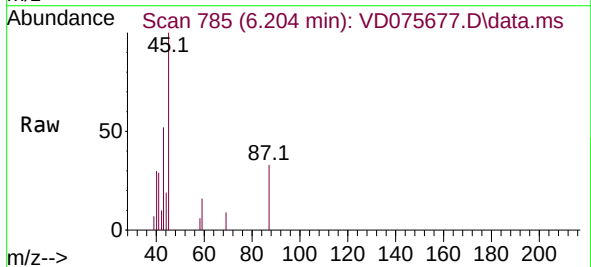
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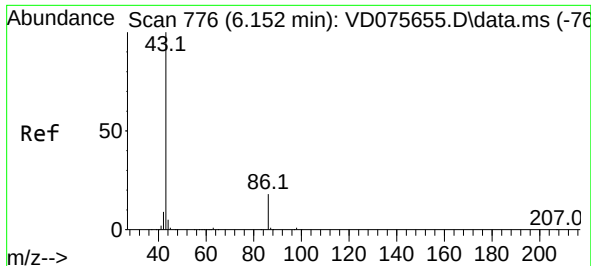
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#22
Diisopropyl ether
Concen: 2.304 ug/l
RT: 6.204 min Scan# 785
Delta R.T. -0.012 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

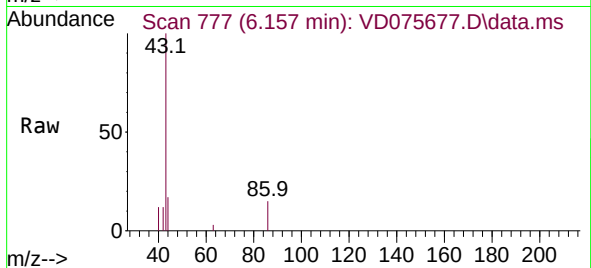
Tgt Ion: 45 Resp: 10233
Ion Ratio Lower Upper
45 100
43 52.3 44.4 66.6
87 32.7 20.9 31.3#
59 16.3 10.3 15.5#





#23
 Vinyl Acetate
 Concen: 11.413 ug/l m
 RT: 6.157 min Scan# 71
 Delta R.T. 0.005 min
 Lab File: VD075677.D
 Acq: 14 Apr 2023 13:58

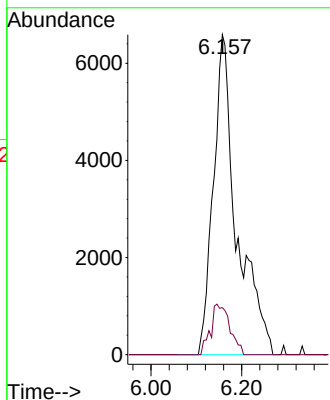
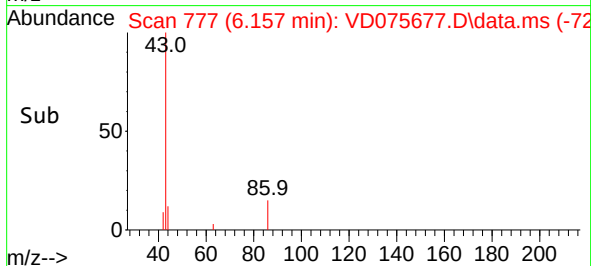
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



Tgt Ion: 43 Resp: 2354
 Ion Ratio Lower Upper
 43 100
 86 14.7 9.0 13.6

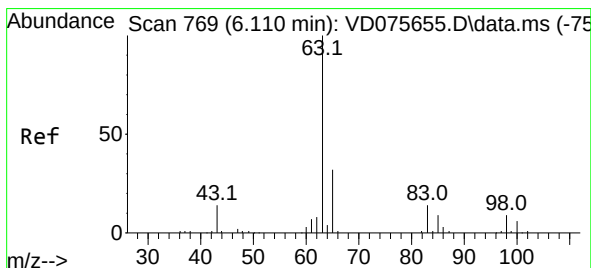
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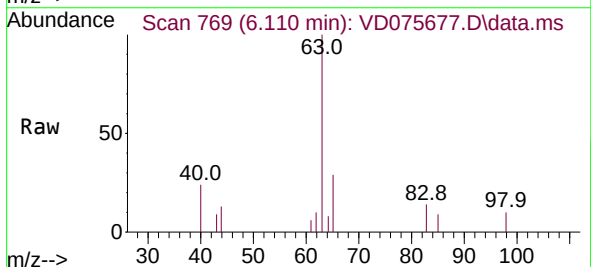


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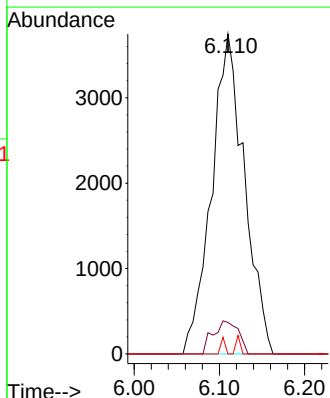
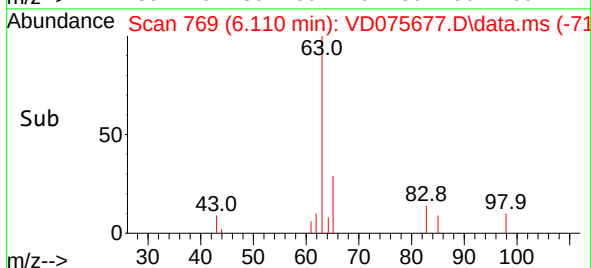
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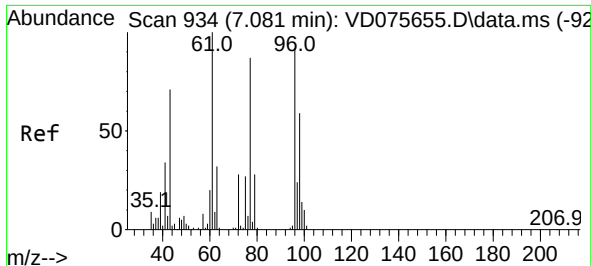


#24
 1,1-Dichloroethane
 Concen: 2.733 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VD075677.D
 Acq: 14 Apr 2023 13:58



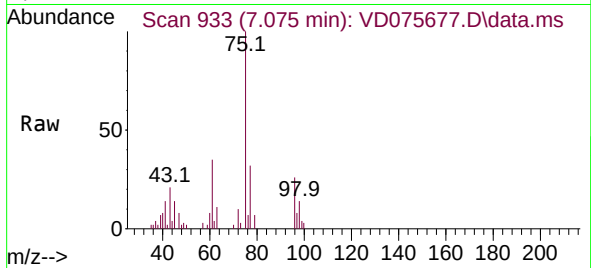
Tgt Ion: 63 Resp: 10056
 Ion Ratio Lower Upper
 63 100
 98 9.9 3.9 11.7
 100 0.0 2.0 6.0





#25
2-Butanone
Concen: 13.198 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

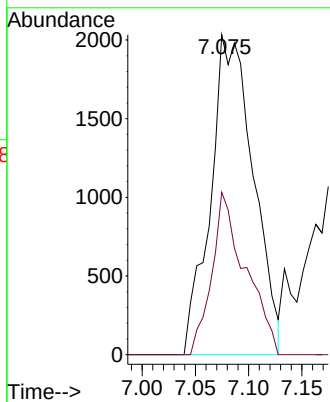
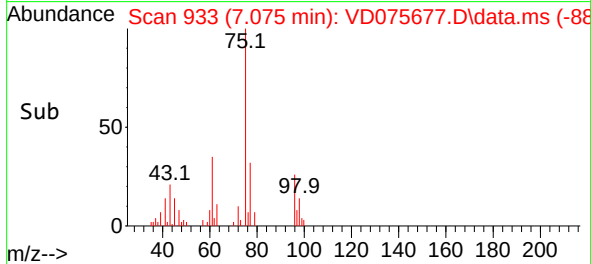
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
72 50.7 19.8 29.8

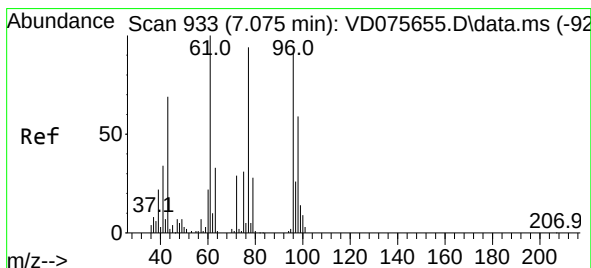
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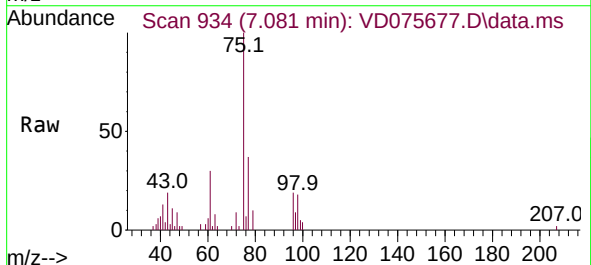


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Dadoda

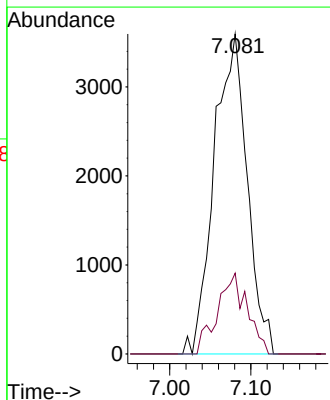
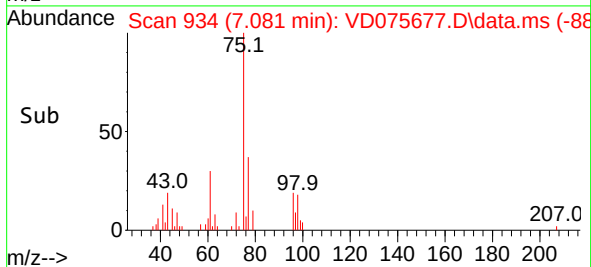
04/17/2023

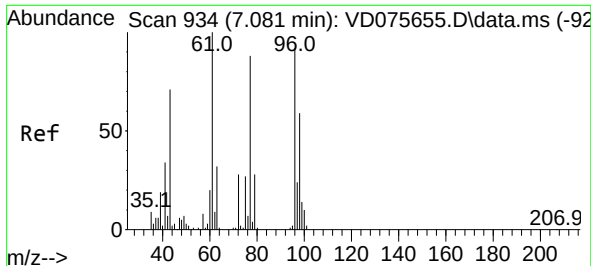


#26
2,2-Dichloropropane
Concen: 3.036 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



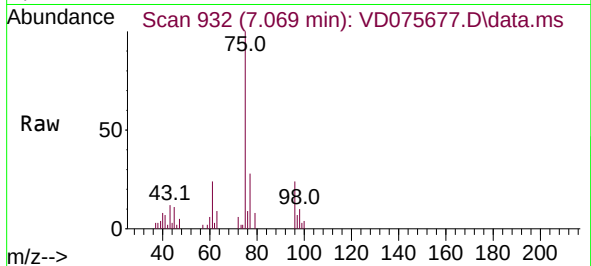
Tgt Ion: 77 Resp: 10127
Ion Ratio Lower Upper
77 100
97 22.9 11.1 33.1





#27
 cis-1,2-Dichloroethene
 Concen: 2.433 ug/l
 RT: 7.069 min Scan# 912
 Delta R.T. -0.012 min
 Lab File: VD075677.D
 Acq: 14 Apr 2023 13:58

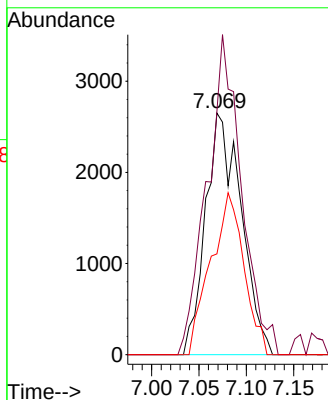
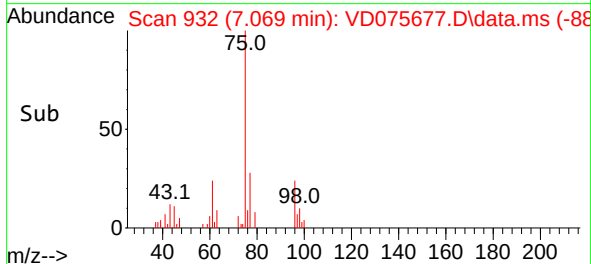
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 96 Resp: 6920
 Ion Ratio Lower Upper
 96 100
 61 127.7 0.0 295.2
 98 62.6 0.0 129.2

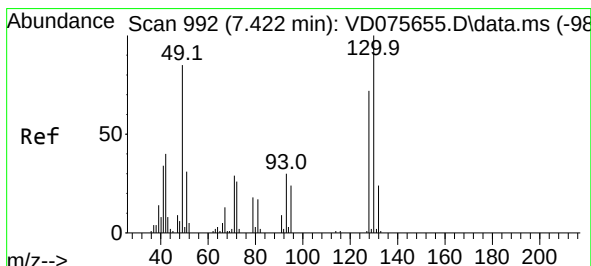
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone



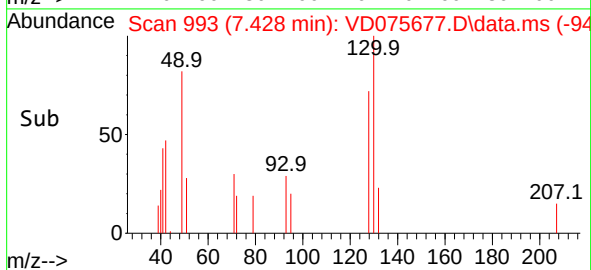
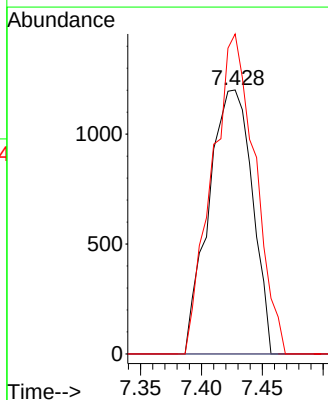
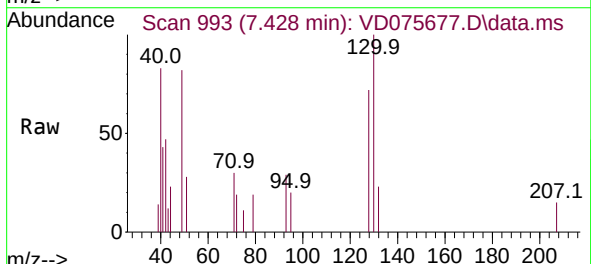
04/17/2023
 Supervised By :Mahesh
 Dadoda

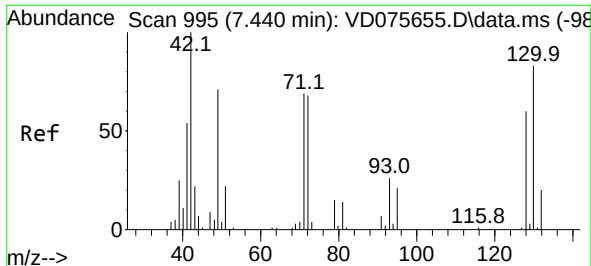
04/17/2023



#28
 Bromochloromethane
 Concen: 2.572 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.006 min
 Lab File: VD075677.D
 Acq: 14 Apr 2023 13:58

Tgt Ion: 49 Resp: 2992
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.2
 130 119.5 56.0 84.0#





#29

Tetrahydrofuran

Concen: 13.176 ug/l

RT: 7.445 min Scan# 995

Delta R.T. 0.005 min

Lab File: VD075677.D

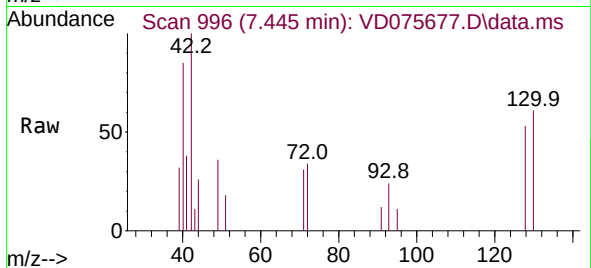
Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

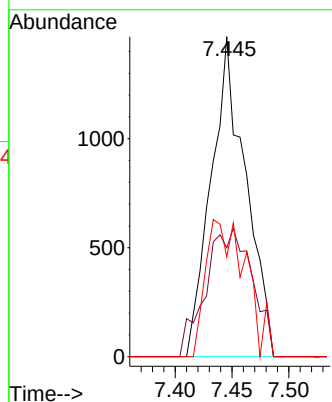
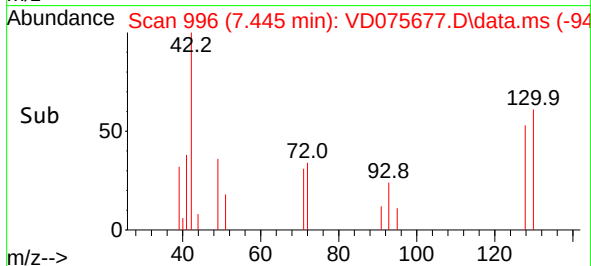


Tgt Ion: 42 Resp: 3108

Ion	Ratio	Lower	Upper
42	100		
72	53.9	31.8	47.6
71	49.8	27.6	41.4

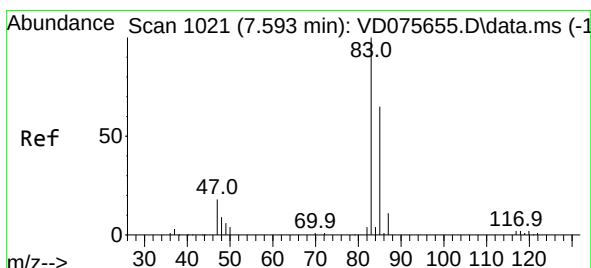
Manual Integrations
APPROVED

Reviewed By :John
Carlone



04/17/2023
Supervised By :Mahesh
Dadoda

04/17/2023



#30

Chloroform

Concen: 2.580 ug/l

RT: 7.587 min Scan# 1020

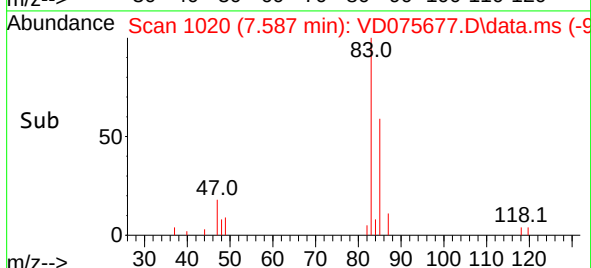
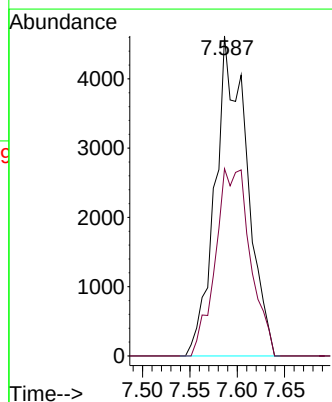
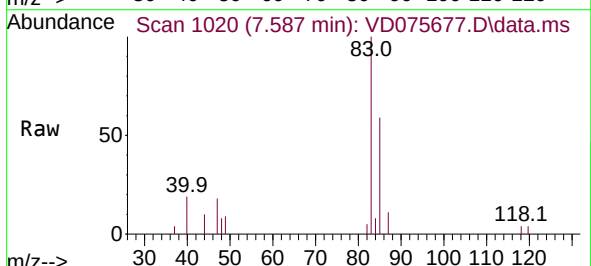
Delta R.T. -0.006 min

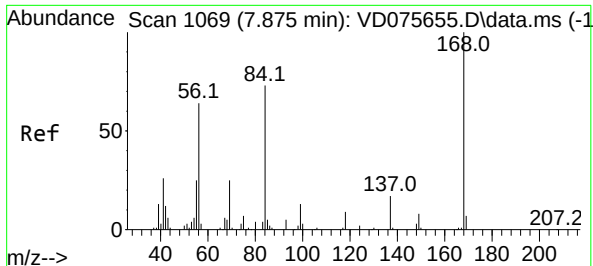
Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion: 83 Resp: 10763

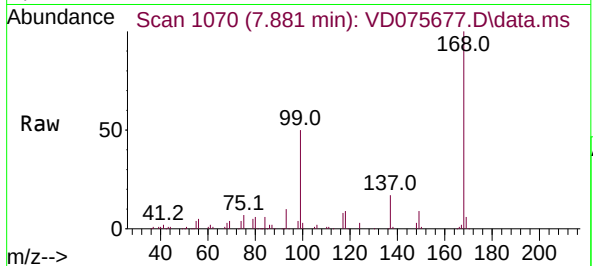
Ion	Ratio	Lower	Upper
83	100		
85	58.5	49.4	74.2





#31
Cyclohexane
Concen: 3.424 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

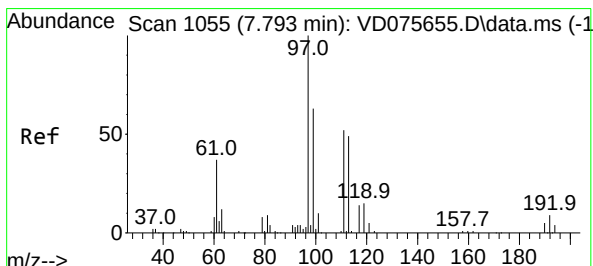
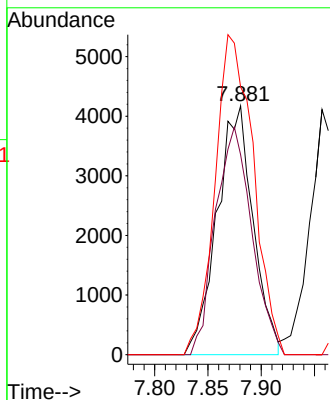
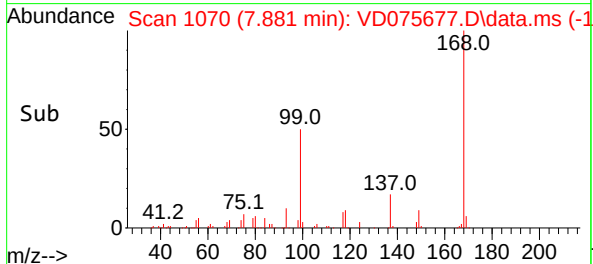
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 56 Resp: 982
Ion Ratio Lower Upper
56 100
69 80.4 25.5 38.3
84 107.5 69.6 104.4

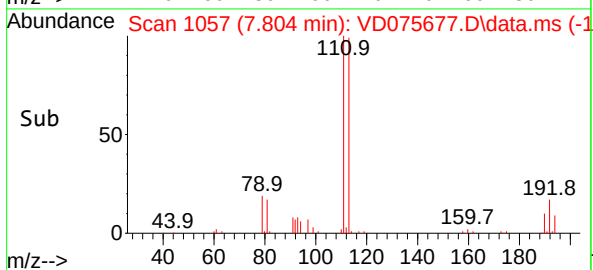
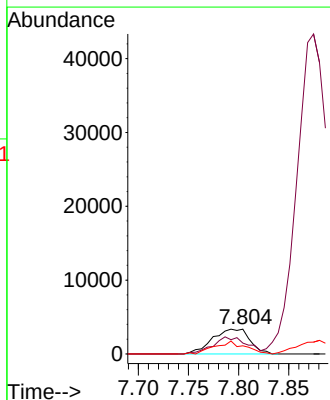
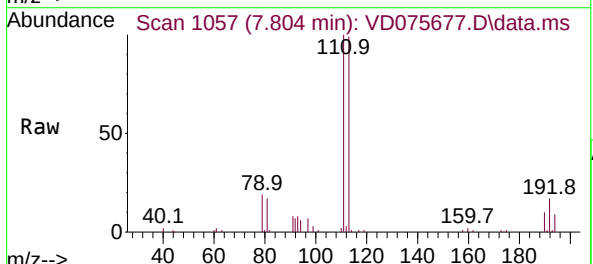
Manual Integrations
APPROVED

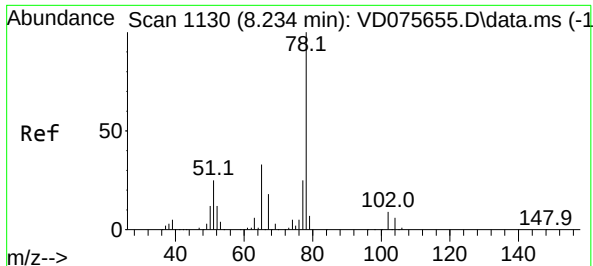
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#32
1,1,1-Trichloroethane
Concen: 2.573 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.011 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion: 97 Resp: 8753
Ion Ratio Lower Upper
97 100
99 62.4 50.5 75.7
61 41.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 52.804 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 65 Resp: 9656

Ion Ratio Lower Upper

65 100

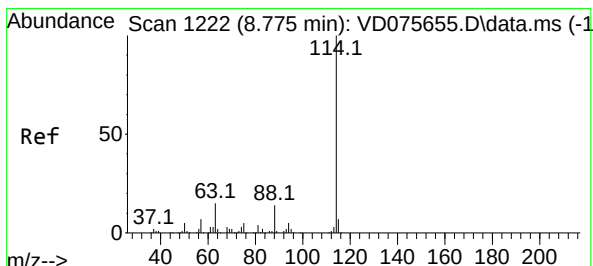
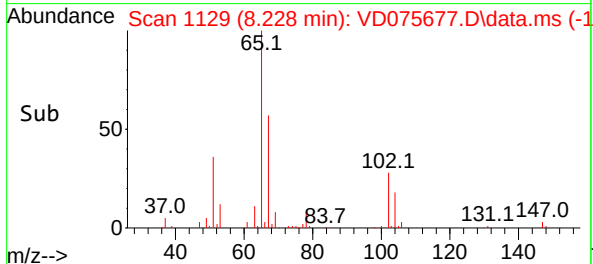
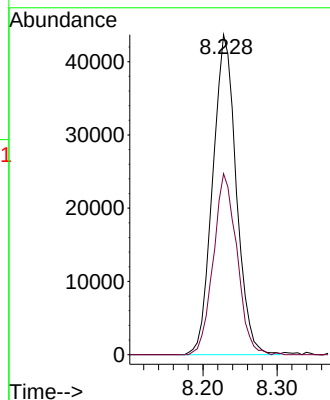
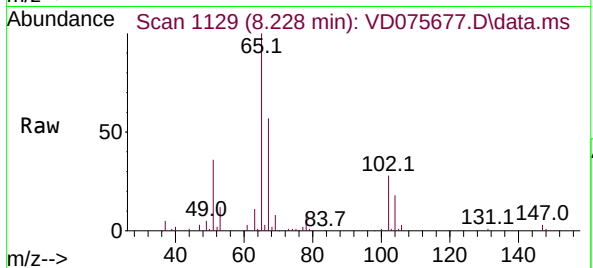
67 56.4 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

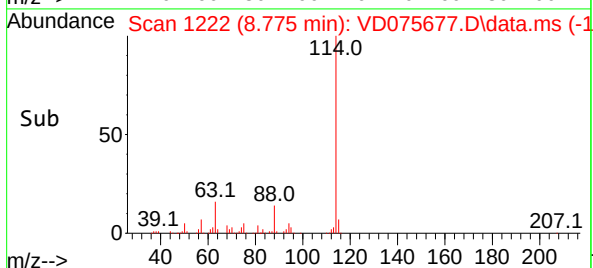
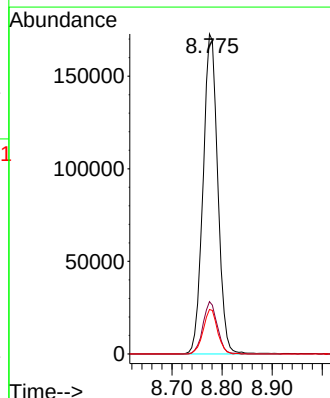
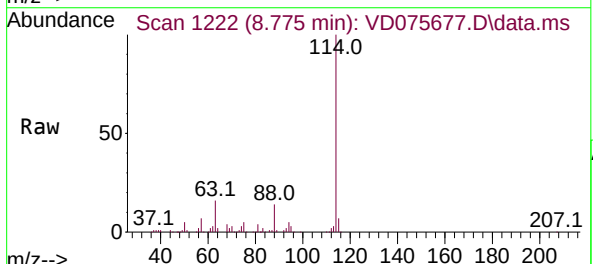
Tgt Ion:114 Resp: 351980

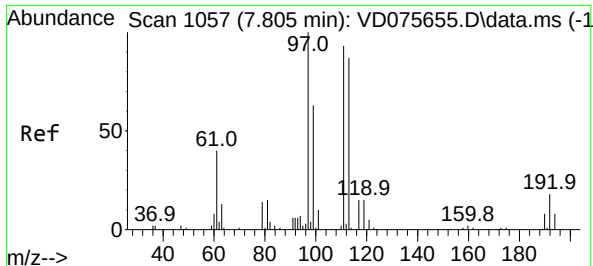
Ion Ratio Lower Upper

114 100

63 16.3 0.0 41.6

88 13.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.694 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 113 Resp: 117640

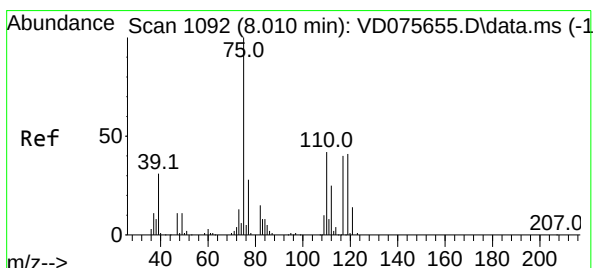
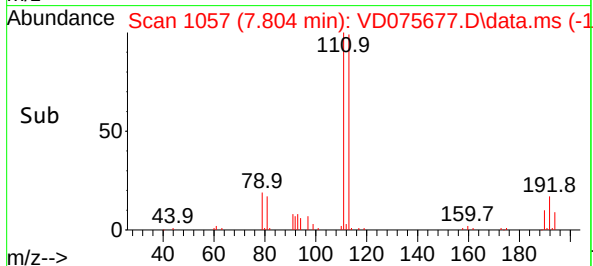
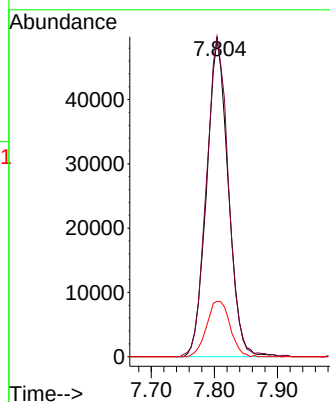
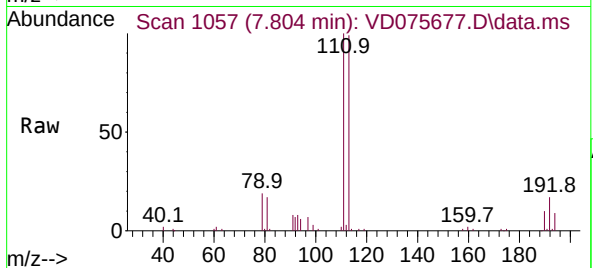
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	18.9	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#36

1,1-Dichloropropene

Concen: 2.452 ug/l

RT: 8.004 min Scan# 1091

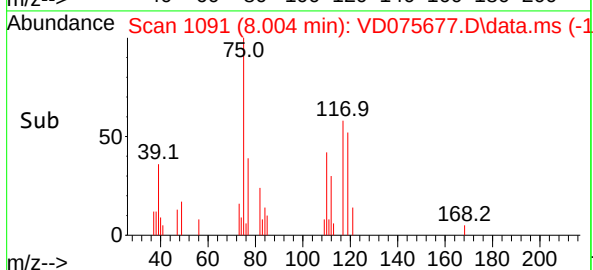
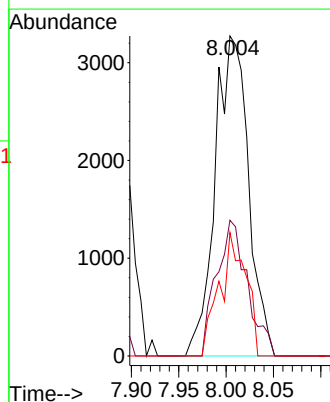
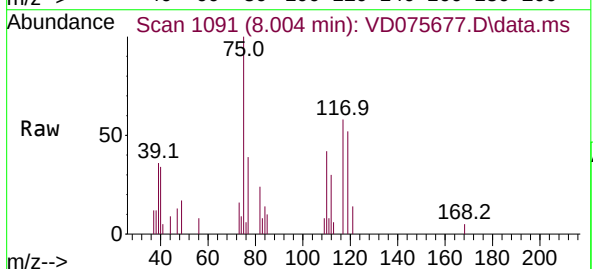
Delta R.T. -0.006 min

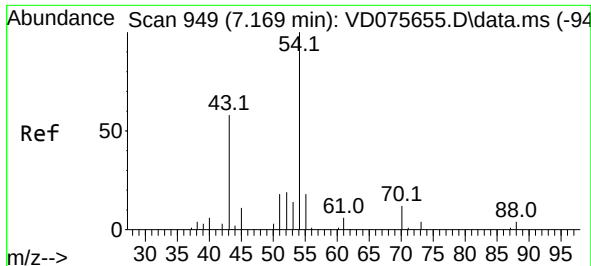
Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion: 75 Resp: 8007

Ion	Ratio	Lower	Upper
75	100		
110	39.2	17.1	51.2
77	30.5	24.6	36.8





#37

Ethyl Acetate

Concen: 2.341 ug/l

RT: 7.175 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

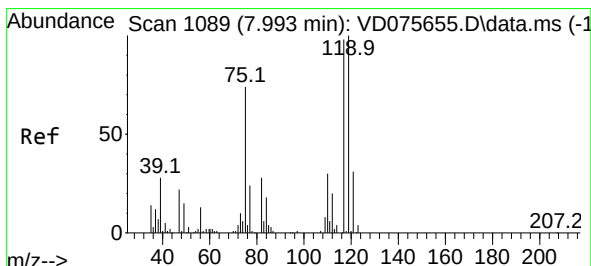
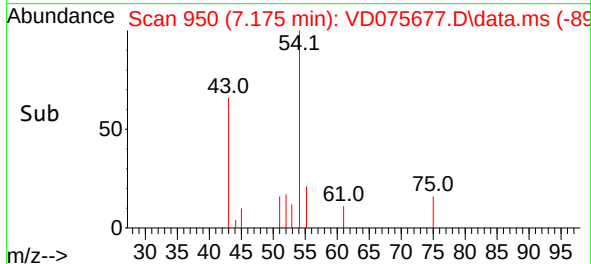
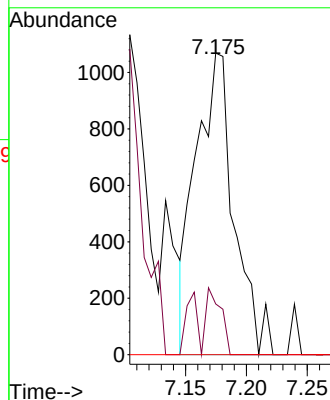
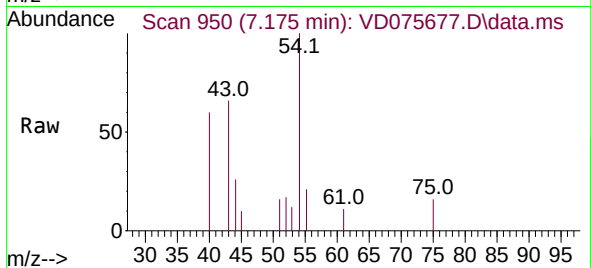
Tgt Ion: 43	Resp: 232
Ion Ratio	Lower Upper
43 100	
61 0.0	0.0 0.0
70 0.0	5.6 8.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#38

Carbon Tetrachloride

Concen: 2.388 ug/l

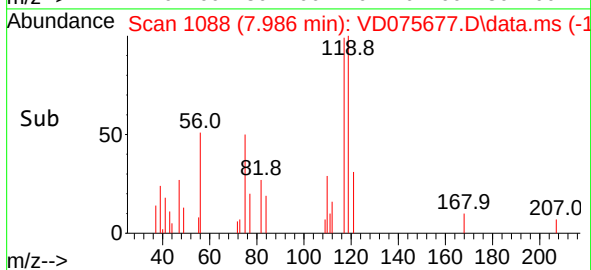
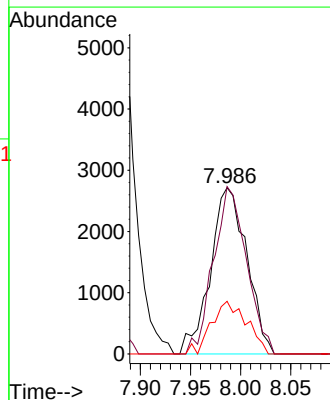
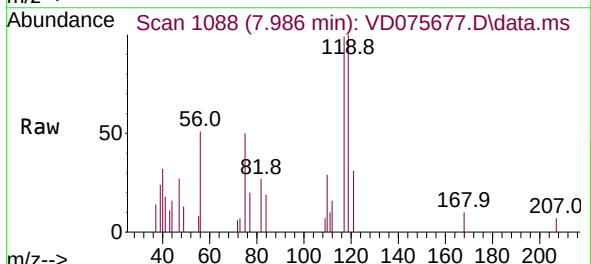
RT: 7.986 min Scan# 1088

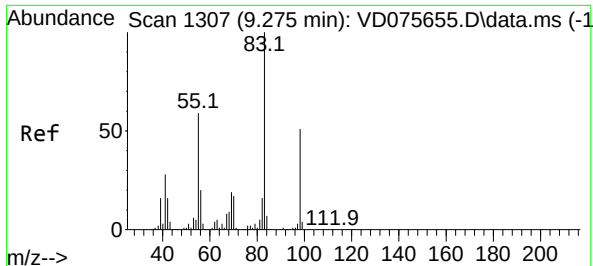
Delta R.T. -0.007 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion: 117	Resp: 6867
Ion Ratio	Lower Upper
117 100	
119 100.7	74.7 112.1
121 31.6	25.9 38.9





#39

Methylcyclohexane

Concen: 2.491 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

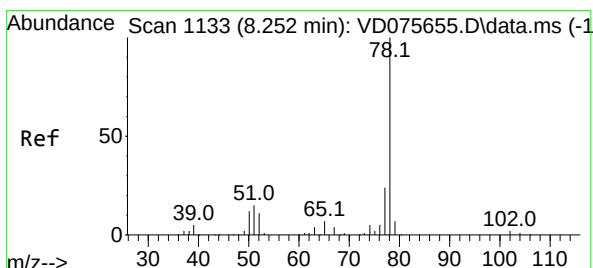
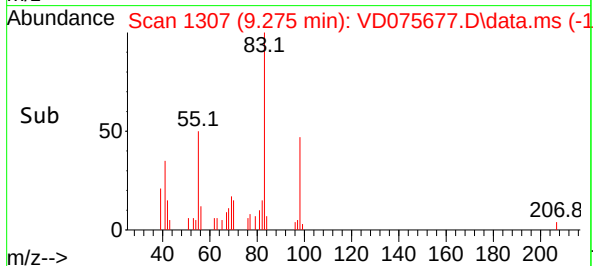
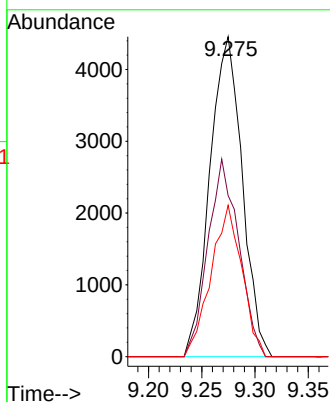
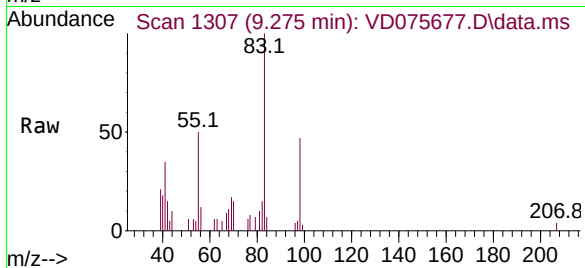
Tgt Ion:	83	Resp:	9408
Ion Ratio	Lower	Upper	
83	100		
55	50.4	56.8	85.2
98	47.3	38.9	58.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#40

Benzene

Concen: 2.409 ug/l

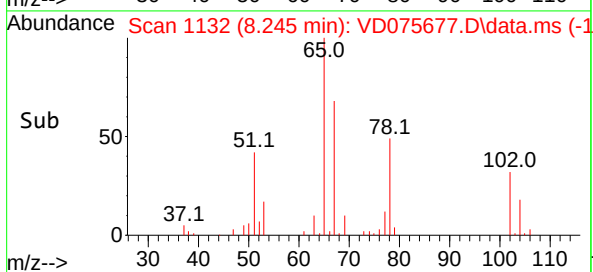
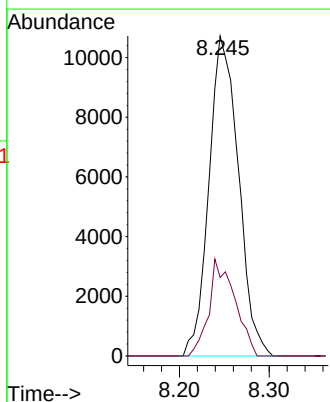
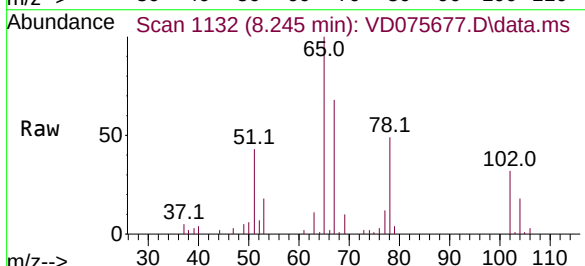
RT: 8.245 min Scan# 1132

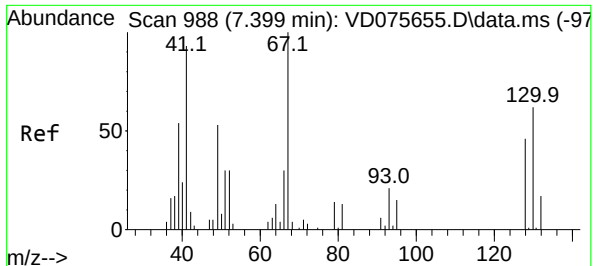
Delta R.T. -0.007 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

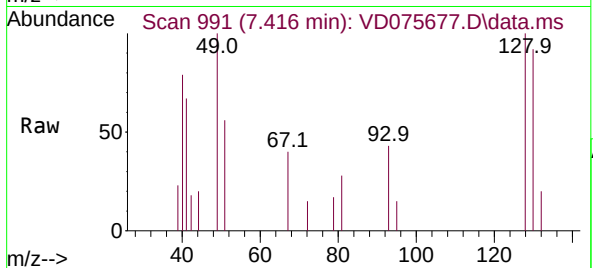
Tgt Ion:	78	Resp:	24464
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.1	28.7





#41
Methacrylonitrile
Concen: 2.864 ug/l m
RT: 7.416 min Scan# 991
Delta R.T. 0.017 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

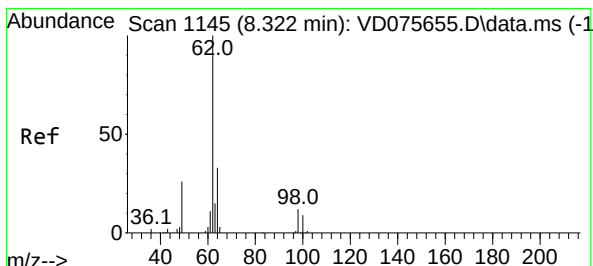
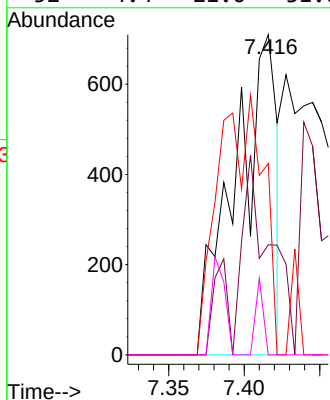
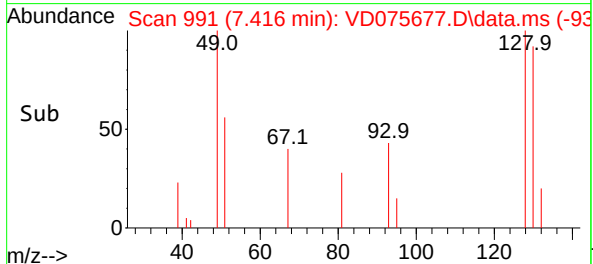
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 41 Resp: 1360
Ion Ratio Lower Upper
41 100
39 51.2 45.3 67.9
67 0.0 50.5 75.7
52 4.4 21.0 31.6#

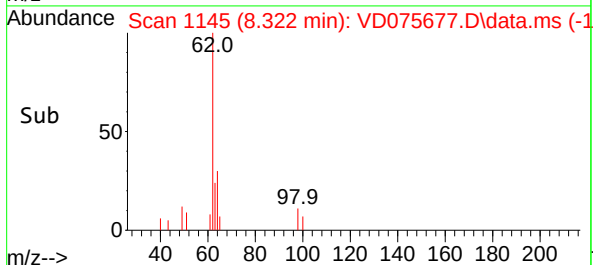
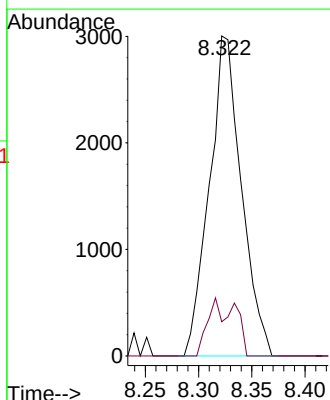
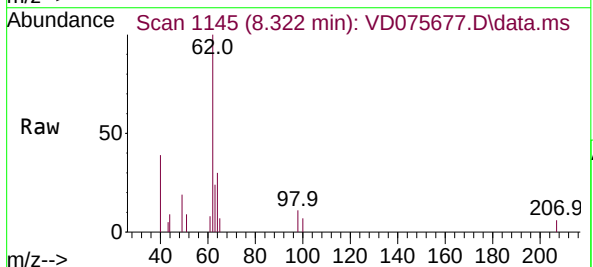
Manual Integrations
APPROVED

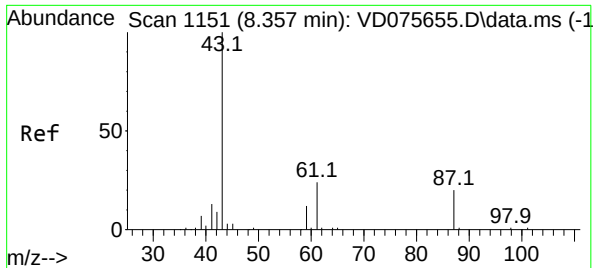
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#42
1,2-Dichloroethane
Concen: 2.730 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion: 62 Resp: 6295
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.8





#43

Isopropyl Acetate

Concen: 2.628 ug/l

RT: 8.363 min Scan# 1151

Delta R.T. 0.006 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 43 Resp: 476

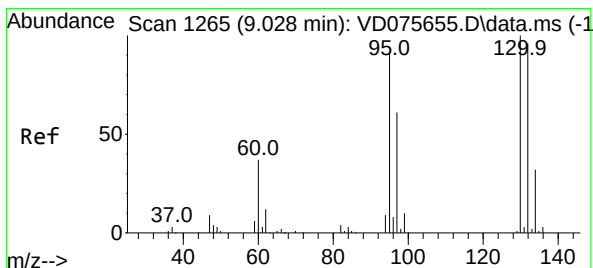
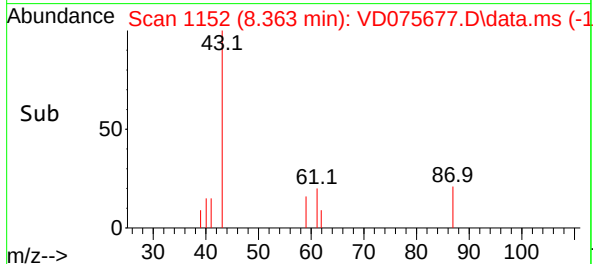
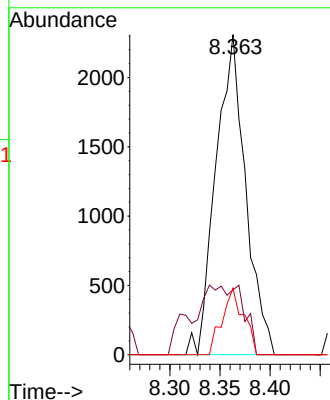
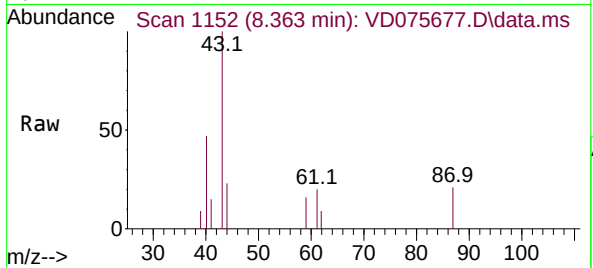
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.4	35.0
87	15.0	9.5	14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#44

Trichloroethene

Concen: 2.378 ug/l

RT: 9.033 min Scan# 1266

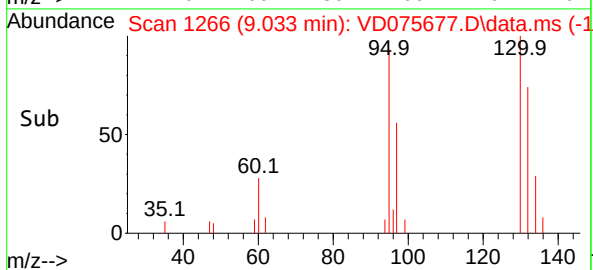
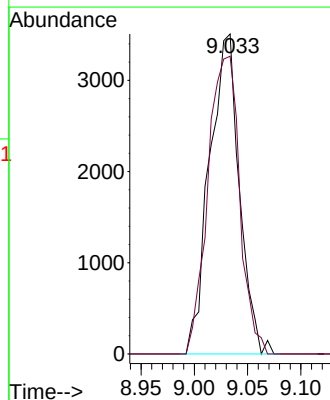
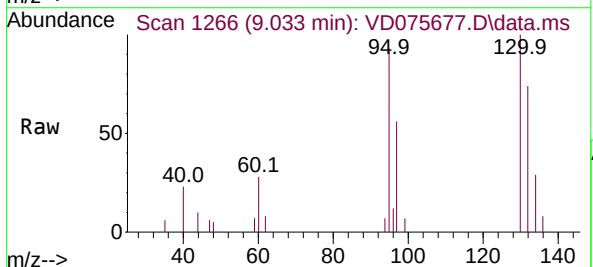
Delta R.T. 0.005 min

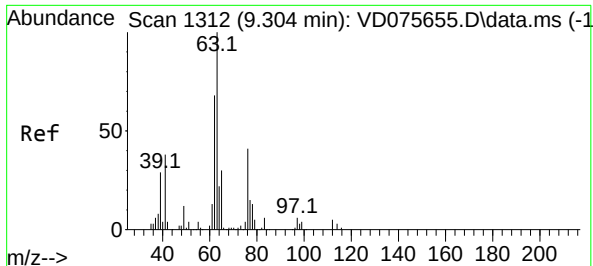
Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion:130 Resp: 6833

Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	197.6





#45

1,2-Dichloropropane

Concen: 2.295 ug/l

RT: 9.310 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 63 Resp: 522

Ion Ratio Lower Upper

63 100

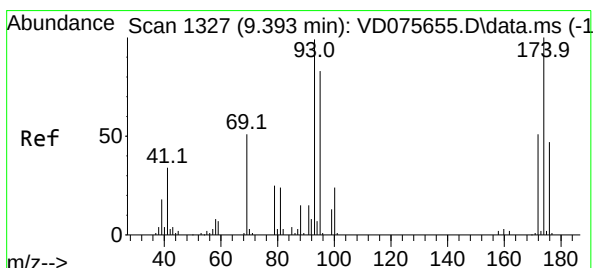
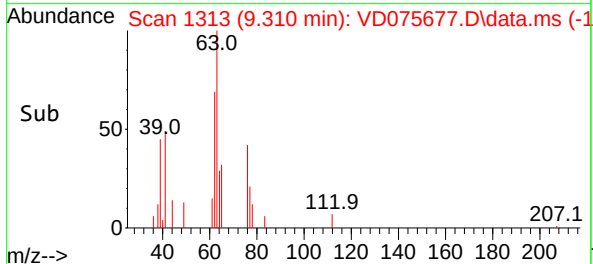
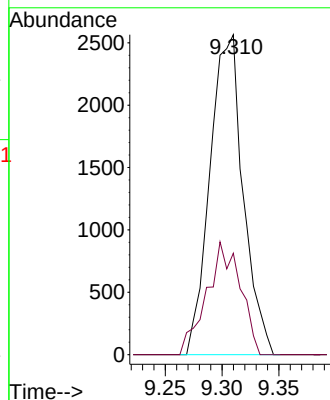
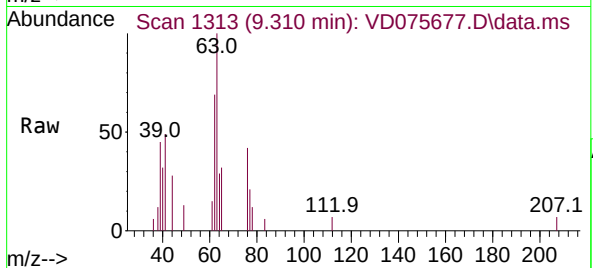
65 31.7 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#46

Dibromomethane

Concen: 2.351 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.005 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

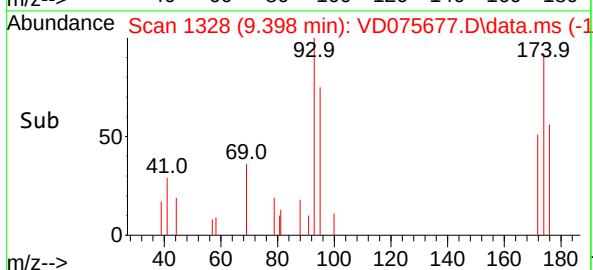
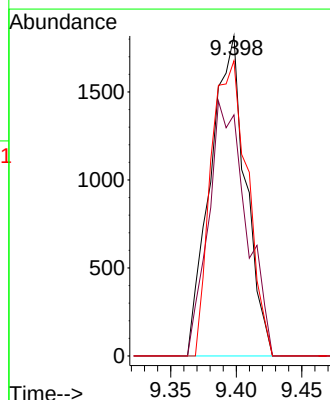
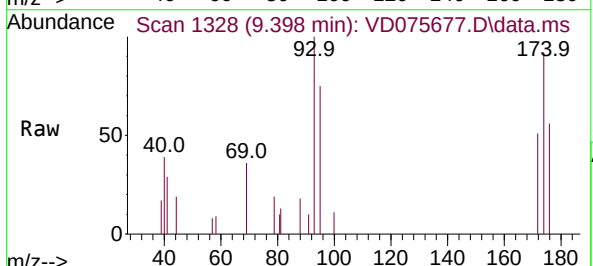
Tgt Ion: 93 Resp: 3393

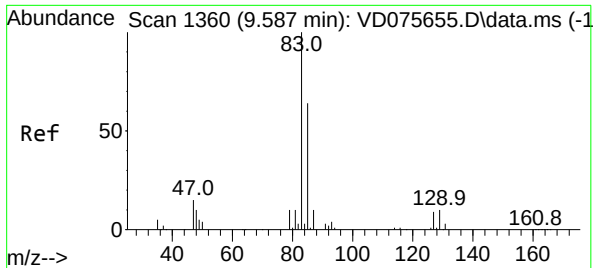
Ion Ratio Lower Upper

93 100

95 85.3 64.5 96.7

174 95.1 76.2 114.4





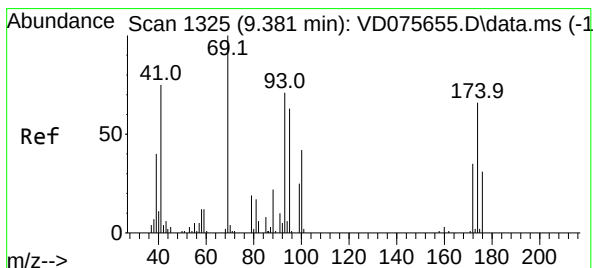
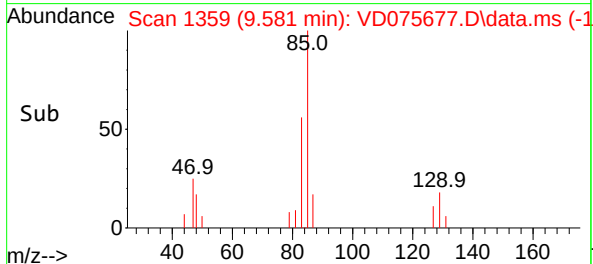
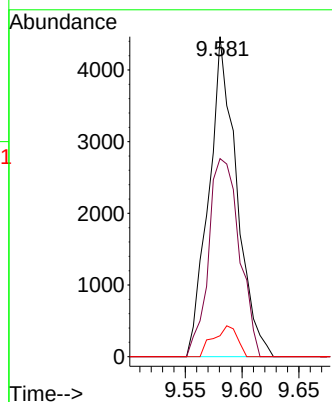
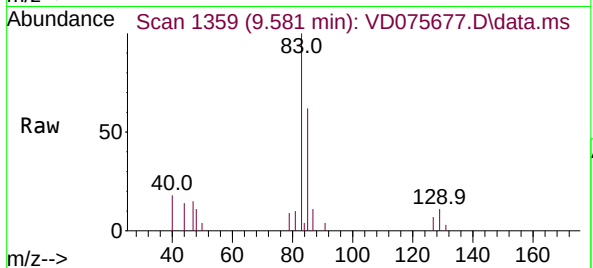
#47
Bromodichloromethane
Concen: 2.305 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion: 83 Resp: 7610
Ion Ratio Lower Upper
83 100
85 61.9 53.7 80.5
127 6.6 7.0 10.6

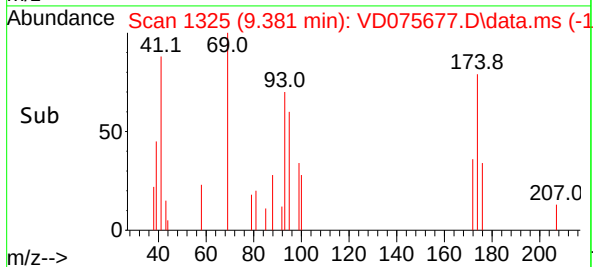
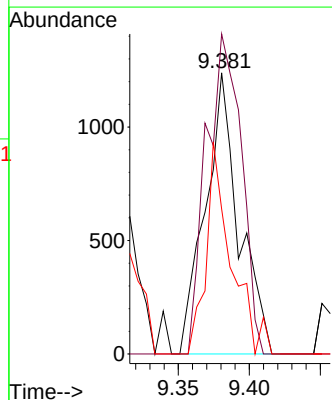
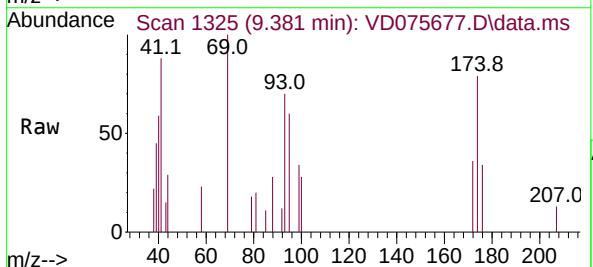
Manual Integrations
APPROVED

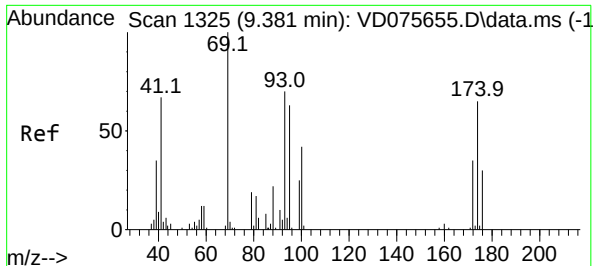
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#48
Methyl methacrylate
Concen: 2.525 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion: 41 Resp: 2039
Ion Ratio Lower Upper
41 100
69 118.6 58.6 88.0#
39 55.6 53.4 80.0





#49

1,4-Dioxane

Concen: 46.296 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

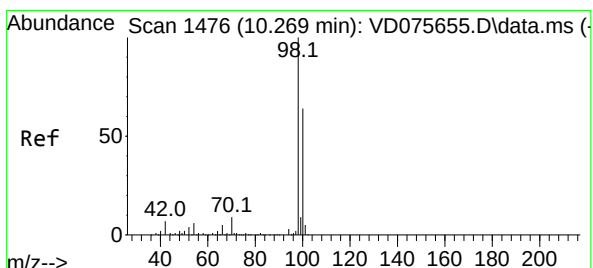
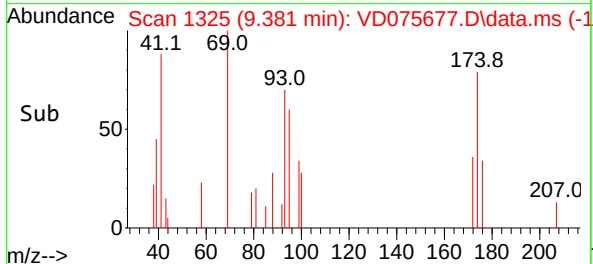
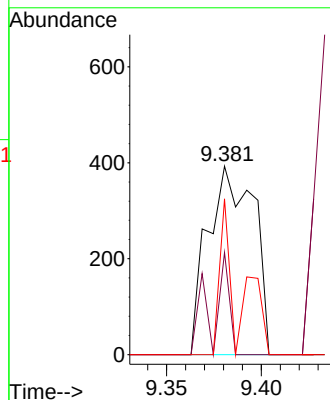
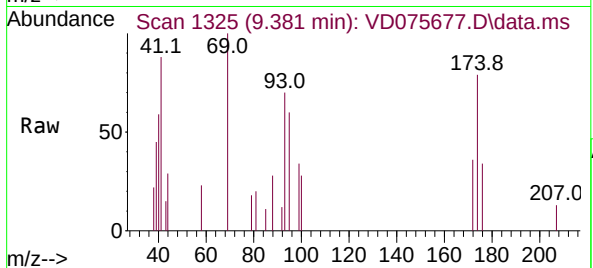
Tgt Ion: 88	Resp: 66
Ion Ratio	Lower Upper
88 100	
43 0.0	34.6 51.8
58 34.4	58.0 87.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#50

Toluene-d8

Concen: 46.971 ug/l

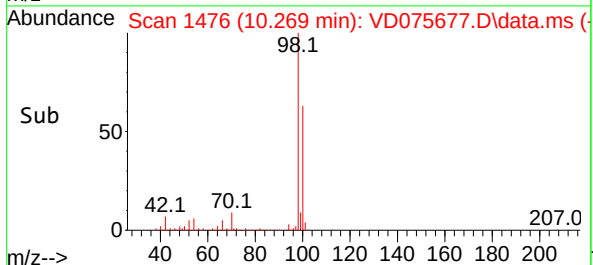
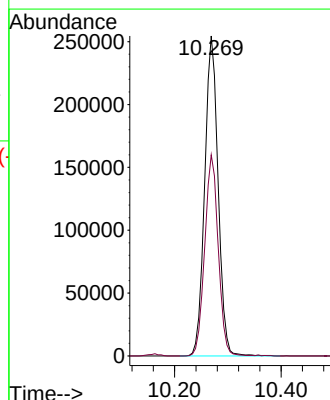
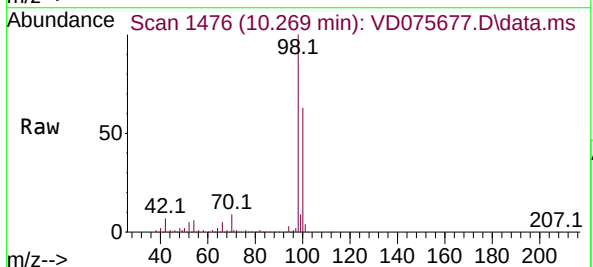
RT: 10.269 min Scan# 1476

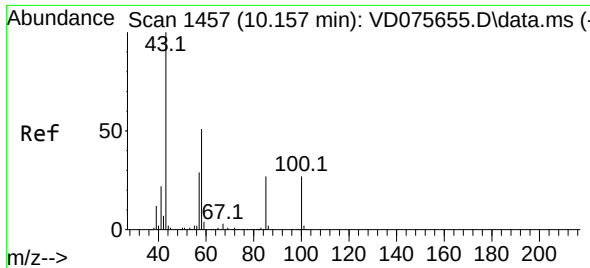
Delta R.T. -0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion: 98	Resp: 445306
Ion Ratio	Lower Upper
98 100	
100 63.3	52.1 78.1





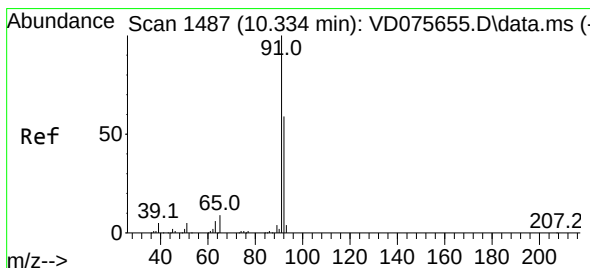
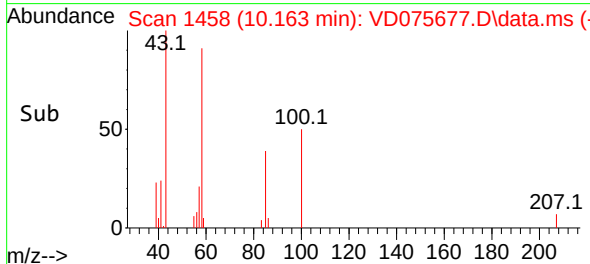
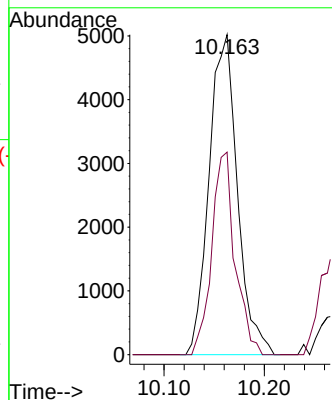
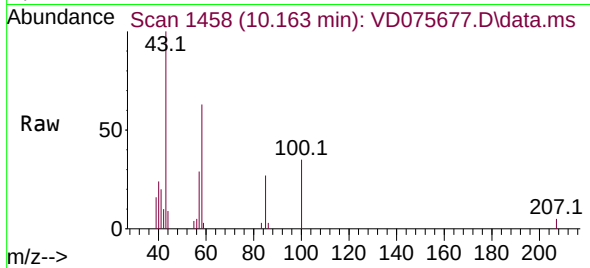
#51
4-Methyl-2-Pentanone
Concen: 10.194 ug/l
RT: 10.163 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
58 52.0 29.5 44.3

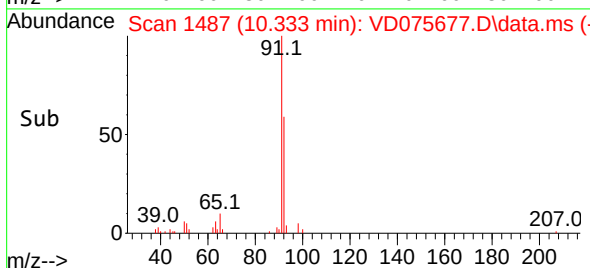
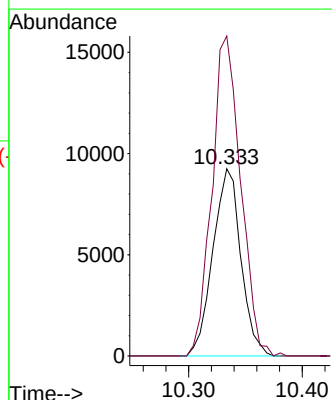
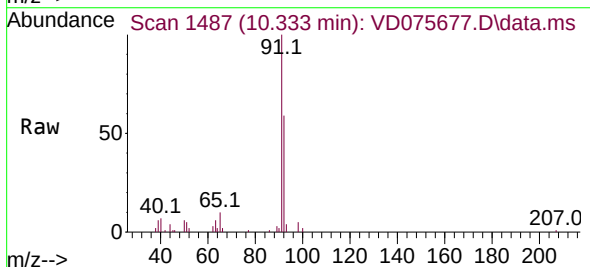
Manual Integrations
APPROVED

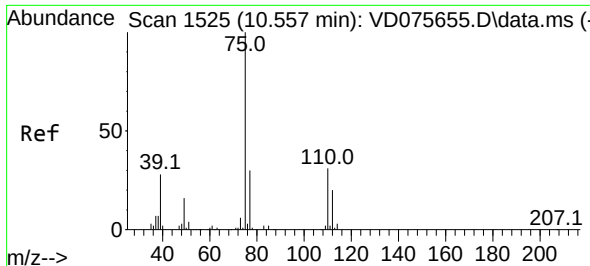
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#52
Toluene
Concen: 2.346 ug/l
RT: 10.333 min Scan# 1487
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion: 92 Resp: 15838
Ion Ratio Lower Upper
92 100
91 175.5 136.5 204.7





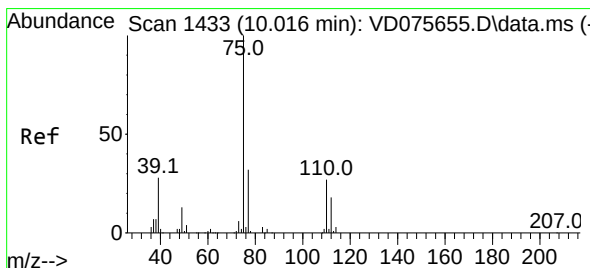
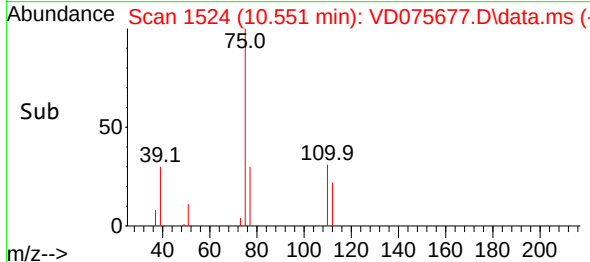
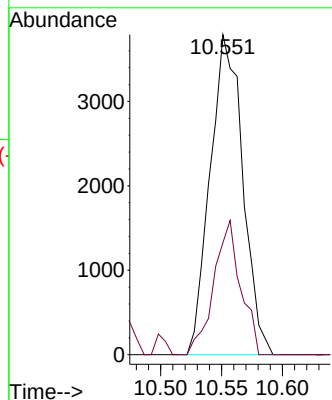
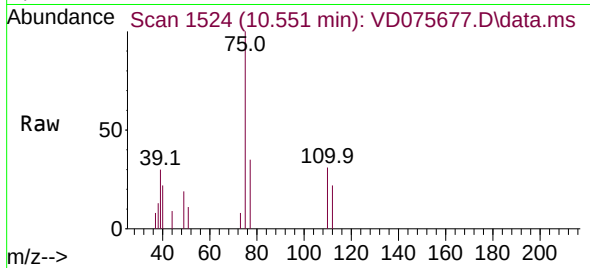
#53
t-1,3-Dichloropropene
Concen: 2.228 ug/l
RT: 10.551 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 75 Resp: 705
Ion Ratio Lower Upper
75 100
77 35.0 26.3 39.5

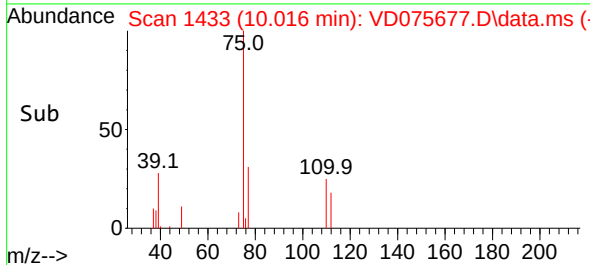
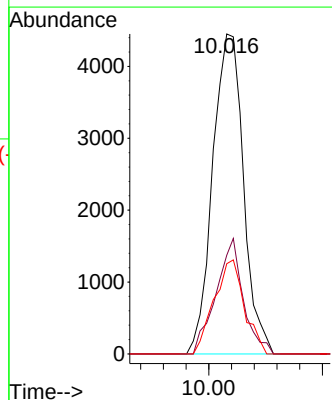
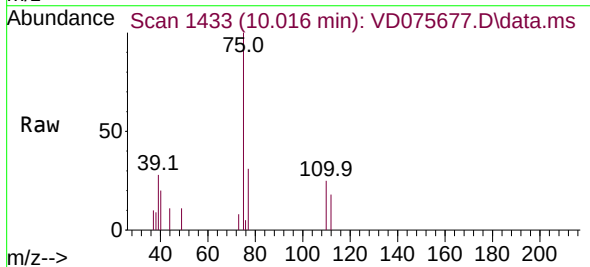
Manual Integrations
APPROVED

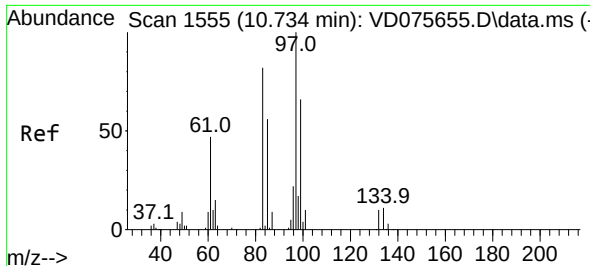
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#54
cis-1,3-Dichloropropene
Concen: 2.227 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

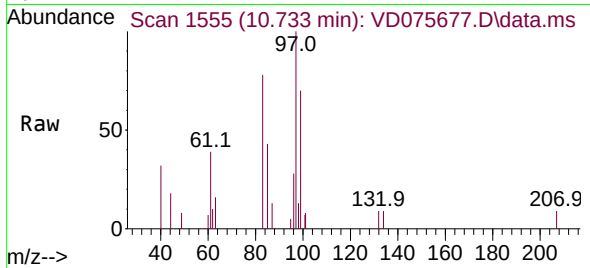
Tgt Ion: 75 Resp: 8374
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 28.2 44.8 67.2#





#55
1,1,2-Trichloroethane
Concen: 2.305 ug/l
RT: 10.733 min Scan# 1555
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

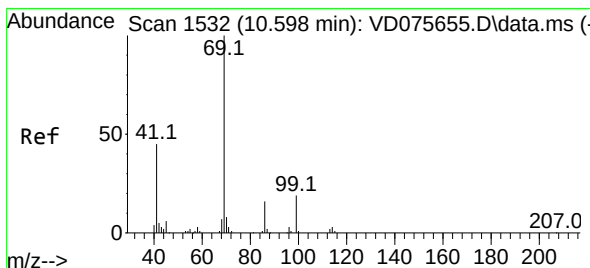
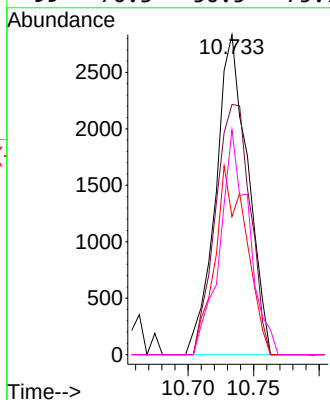
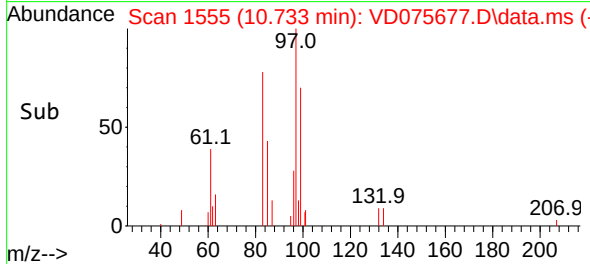
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.2	74.2	111.4
85	43.2	45.4	68.0
99	70.3	50.5	75.7

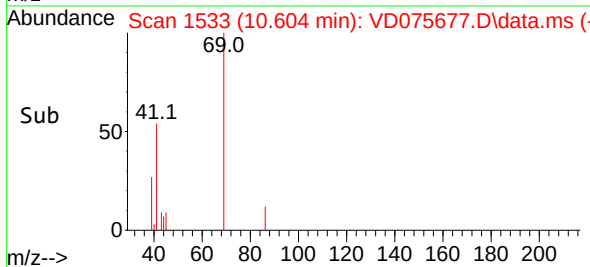
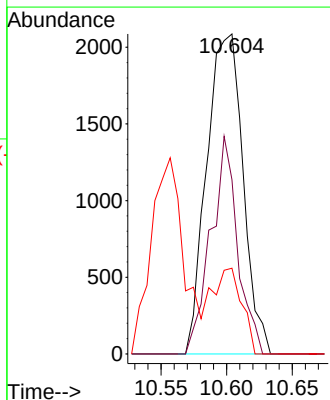
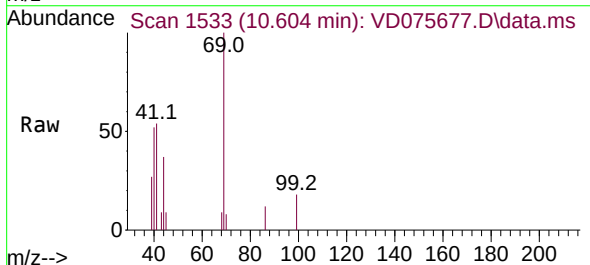
Manual Integrations
APPROVED

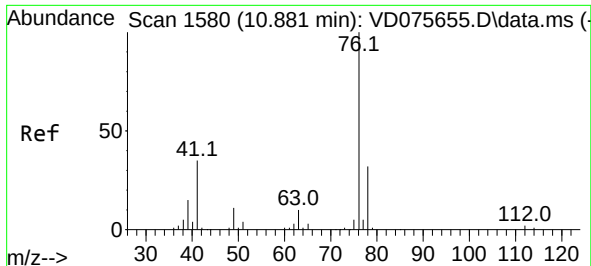
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#56
Ethyl methacrylate
Concen: 1.954 ug/l
RT: 10.604 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	50.0	59.3	88.9#
39	22.3	36.0	54.0#





#57

1,3-Dichloropropane

Concen: 2.397 ug/l

RT: 10.886 min Scan# 1580

Delta R.T. 0.005 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 76 Resp: 7600

Ion Ratio Lower Upper

76 100

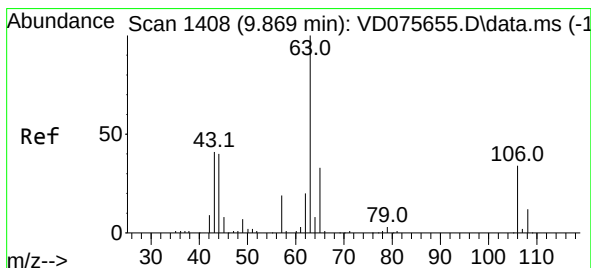
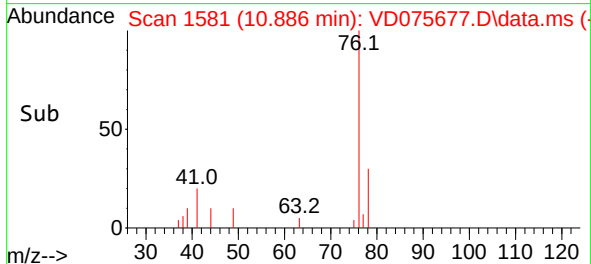
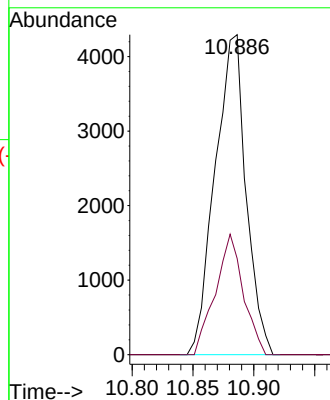
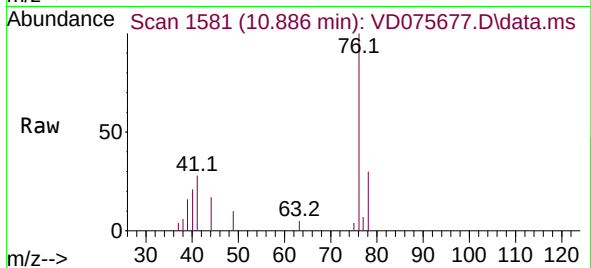
78 33.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#58

2-Chloroethyl Vinyl ether

Concen: 9.736 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD075677.D

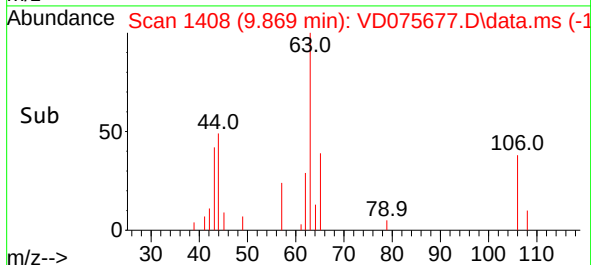
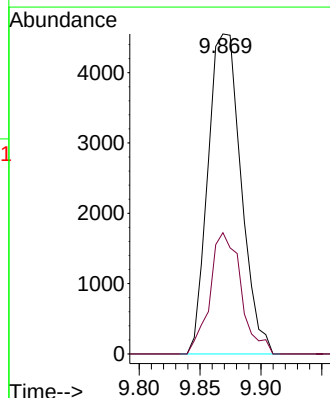
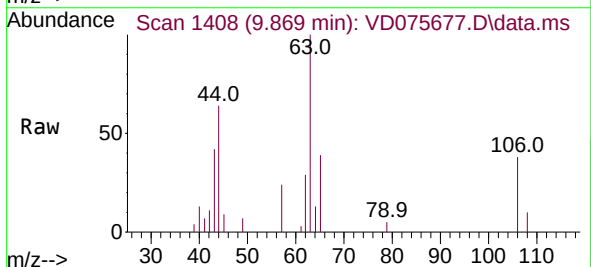
Acq: 14 Apr 2023 13:58

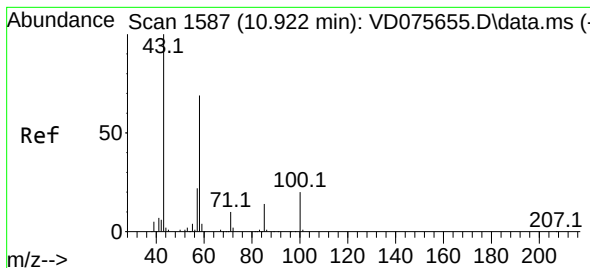
Tgt Ion: 63 Resp: 8600

Ion Ratio Lower Upper

63 100

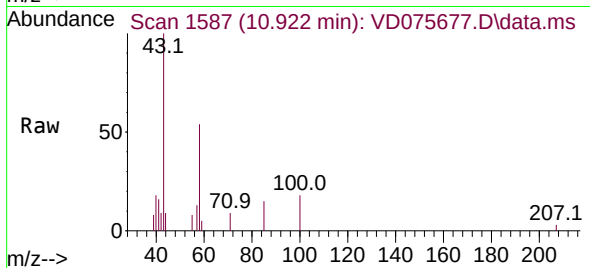
106 35.5 21.4 32.2#





#59
2-Hexanone
Concen: 10.389 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

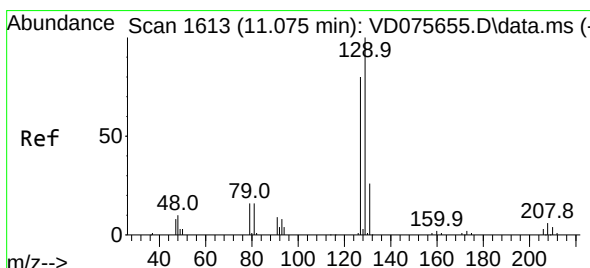
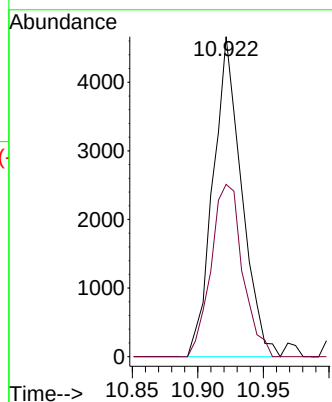
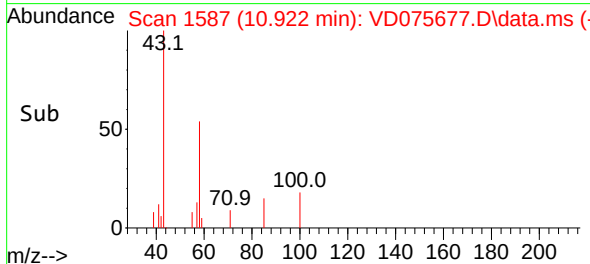
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 43 Resp: 7059
Ion Ratio Lower Upper
43 100
58 59.7 25.3 75.8

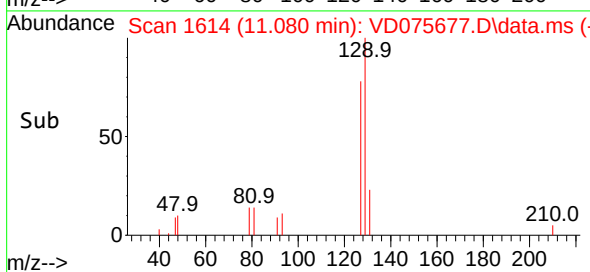
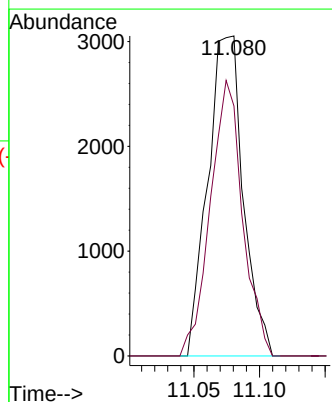
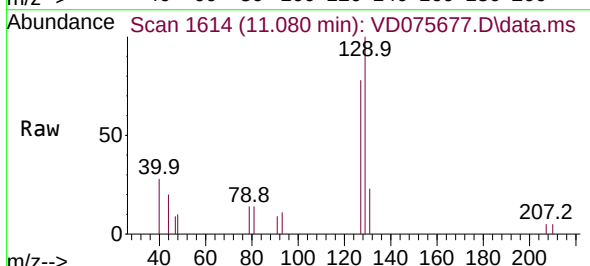
Manual Integrations
APPROVED

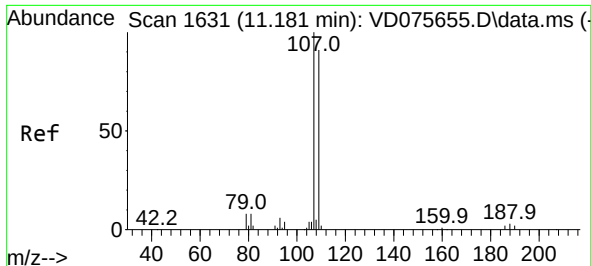
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#60
Dibromochloromethane
Concen: 2.349 ug/l
RT: 11.080 min Scan# 1614
Delta R.T. 0.005 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion:129 Resp: 5745
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.5





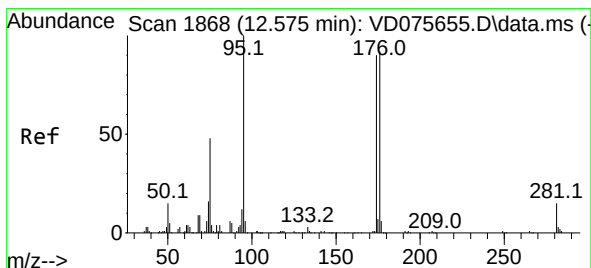
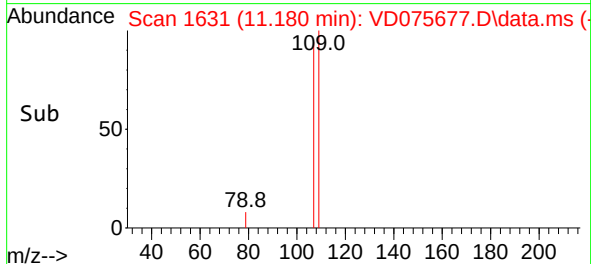
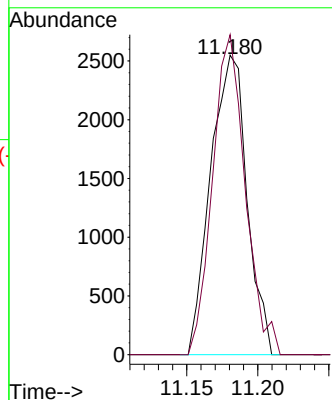
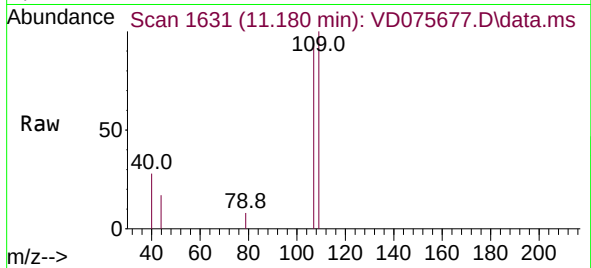
#61
1,2-Dibromoethane
Concen: 2.281 ug/l
RT: 11.180 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion:107 Resp: 4548
Ion Ratio Lower Upper
107 100
109 95.7 73.6 110.4

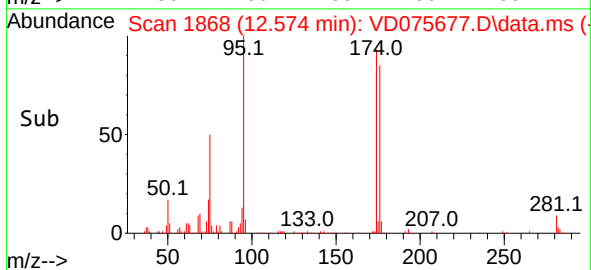
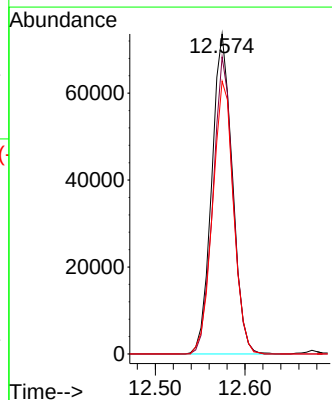
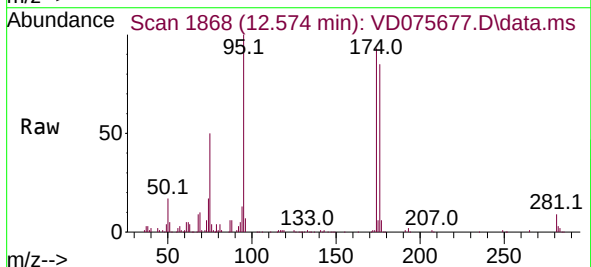
Manual Integrations
APPROVED

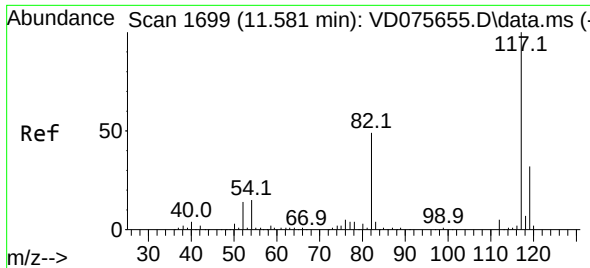
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#62
4-Bromofluorobenzene
Concen: 46.627 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

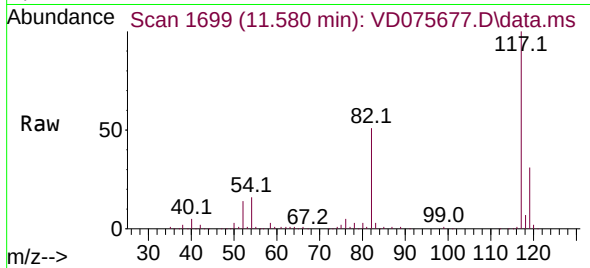
Tgt Ion: 95 Resp: 117496
Ion Ratio Lower Upper
95 100
174 90.1 0.0 164.0
176 86.2 0.0 156.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

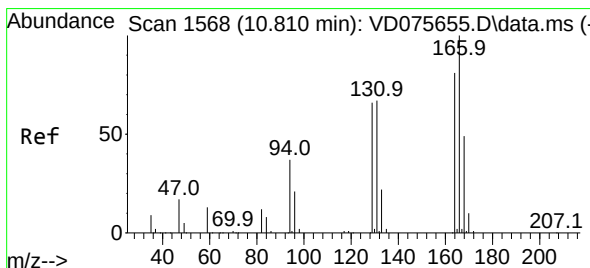
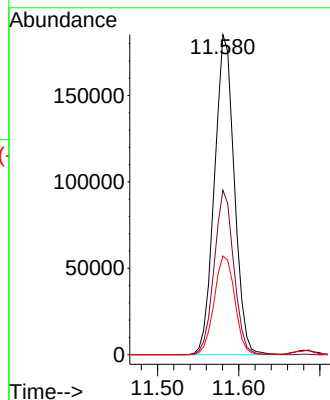
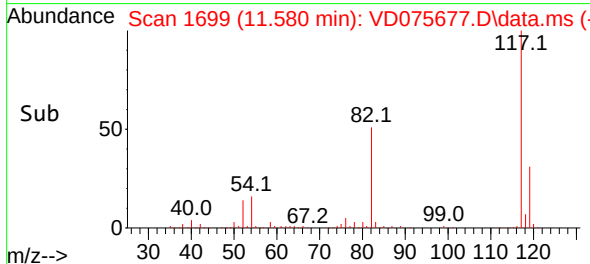
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:117 Resp: 31503
Ion Ratio Lower Upper
117 100
82 51.4 44.0 66.0
119 30.9 25.1 37.7

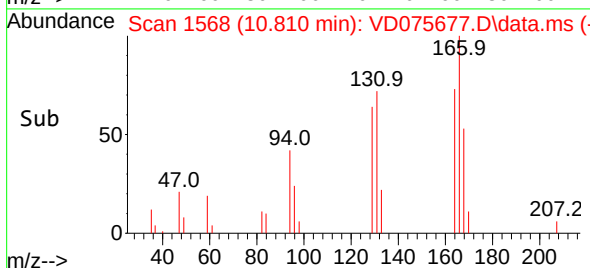
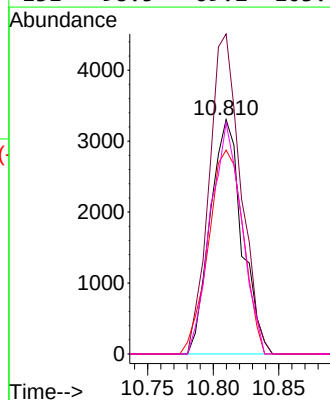
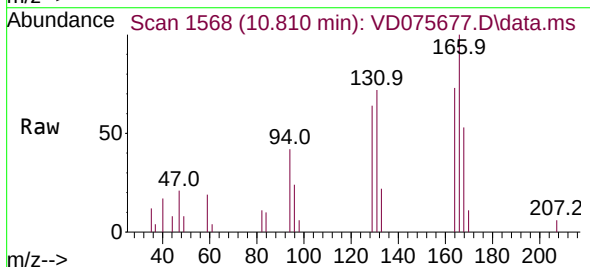
Manual Integrations
APPROVED

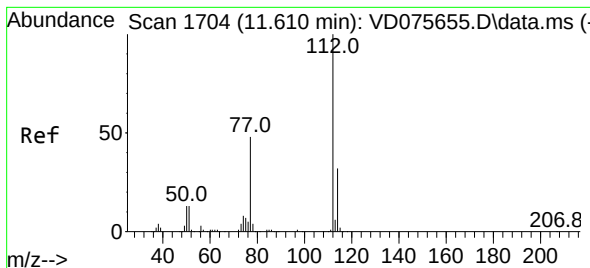
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#64
Tetrachloroethene
Concen: 2.455 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion:164 Resp: 5571
Ion Ratio Lower Upper
164 100
166 136.5 94.9 142.3
129 87.0 73.0 109.6
131 98.5 69.2 103.8





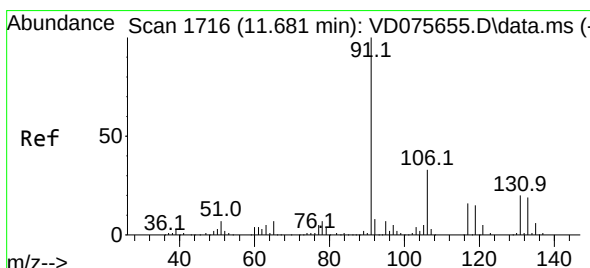
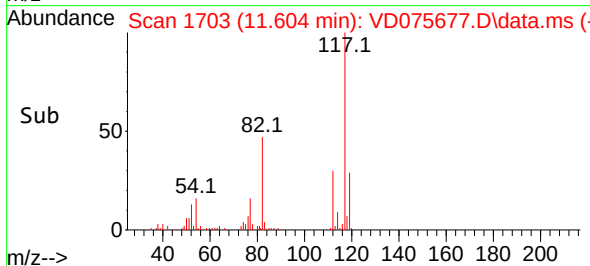
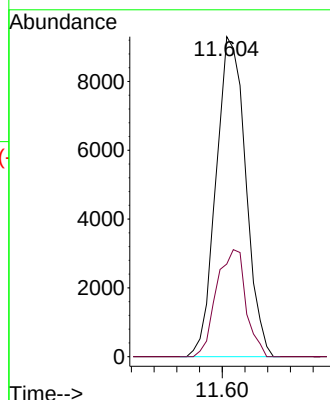
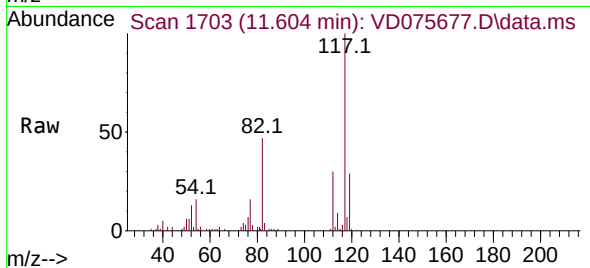
#65
Chlorobenzene
Concen: 2.492 ug/l
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:112 Resp: 16818
Ion Ratio Lower Upper
112 100
114 29.0 25.8 38.8

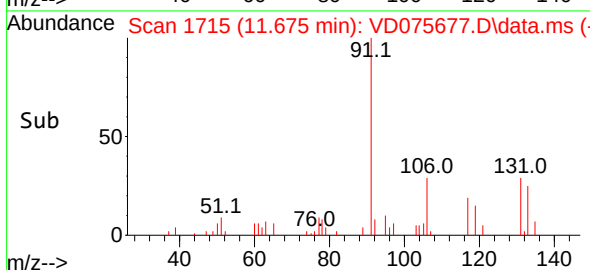
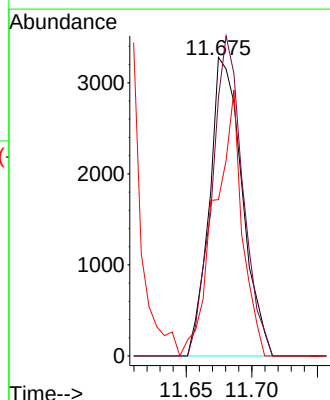
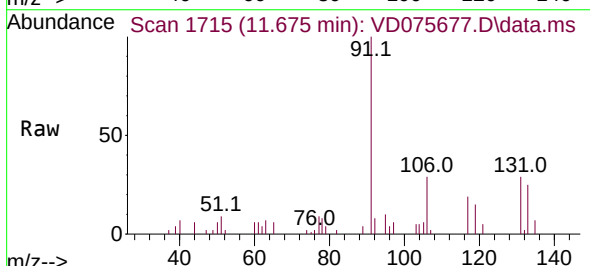
Manual Integrations
APPROVED

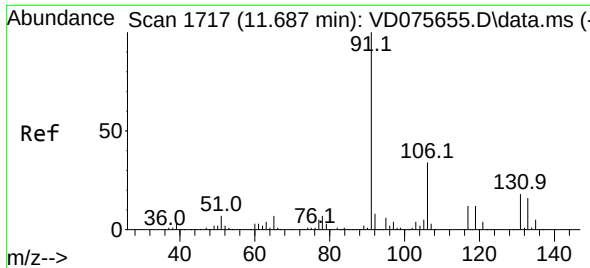
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.454 ug/l
RT: 11.675 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion:131 Resp: 5692
Ion Ratio Lower Upper
131 100
133 100.6 46.7 140.0
119 74.7 31.9 95.9





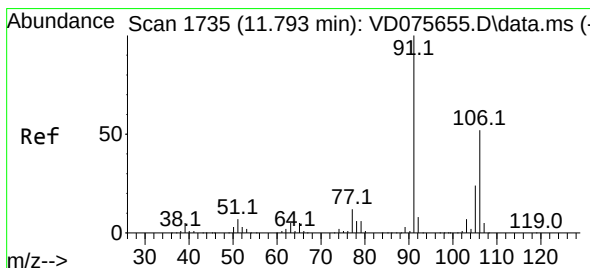
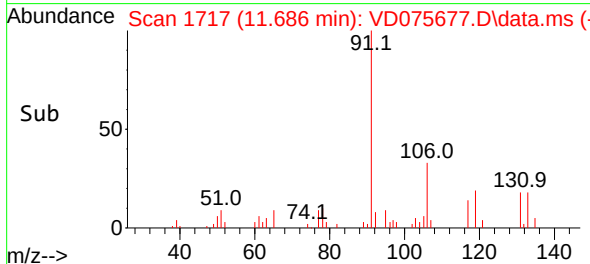
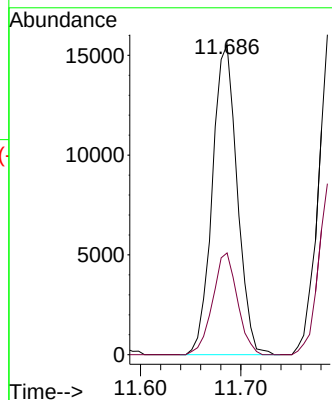
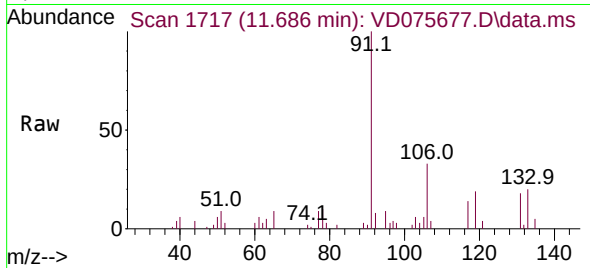
#67
Ethyl Benzene
Concen: 2.444 ug/l
RT: 11.686 min Scan# 1717
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion: 91 Resp: 26759
Ion Ratio Lower Upper
91 100
106 32.8 24.5 36.7

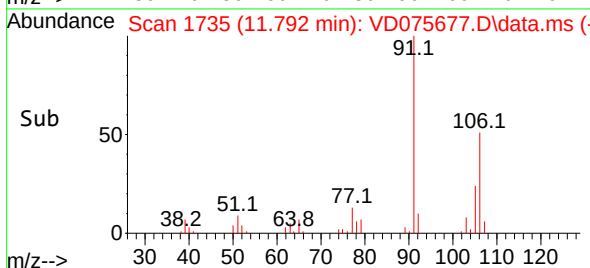
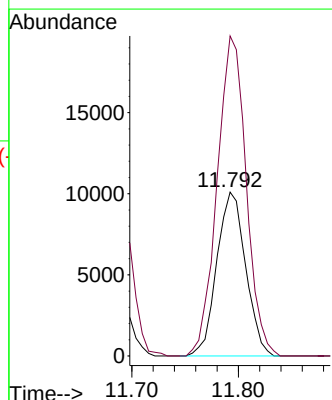
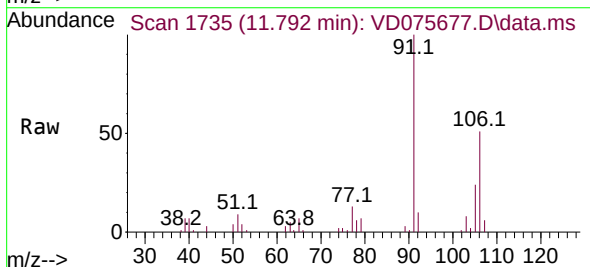
Manual Integrations
APPROVED

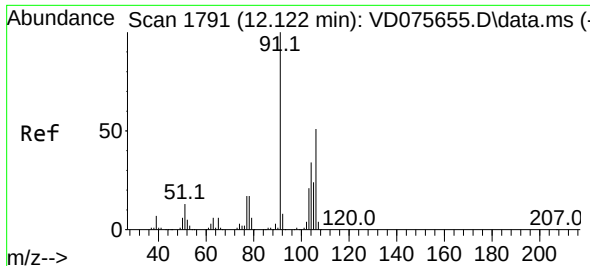
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#68
m/p-Xylenes
Concen: 4.234 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

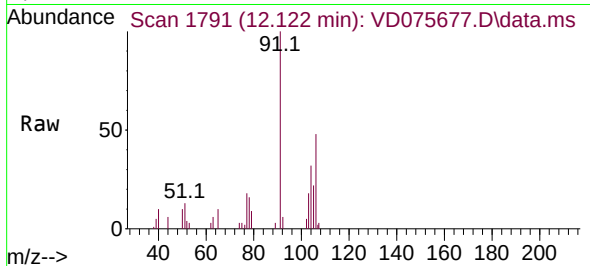
Tgt Ion:106 Resp: 19003
Ion Ratio Lower Upper
106 100
91 196.9 161.5 242.3





#69
o-Xylene
Concen: 2.206 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

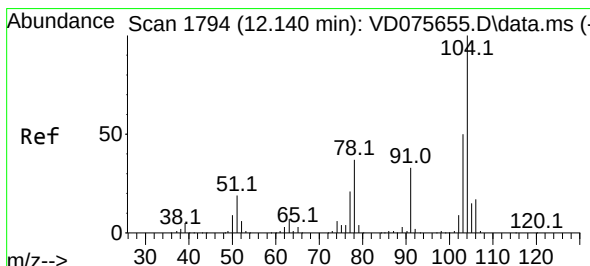
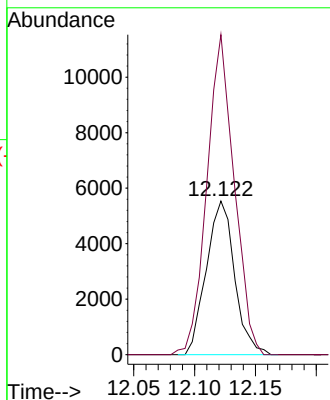
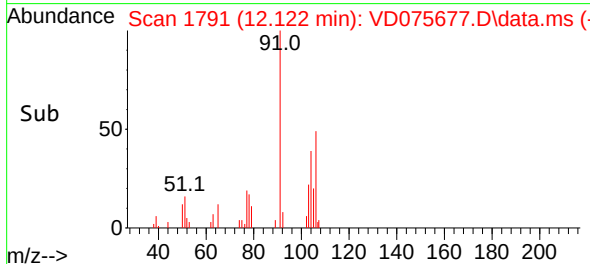
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



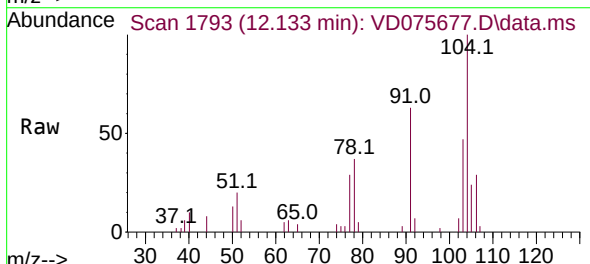
Tgt Ion:106 Resp: 8952
Ion Ratio Lower Upper
106 100
91 201.1 105.7 317.1

Manual Integrations
APPROVED

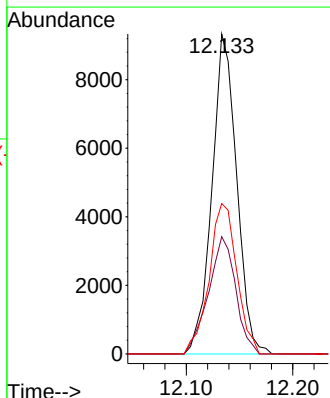
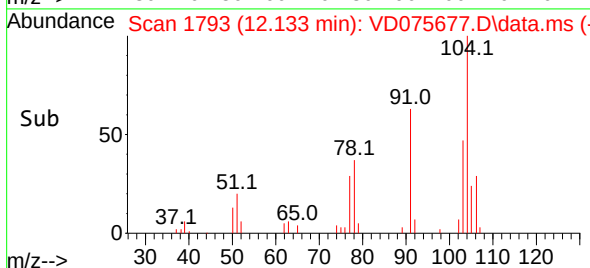
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

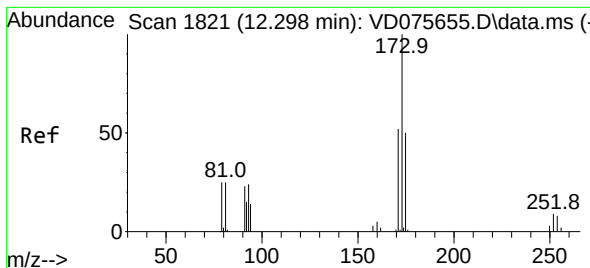


#70
Styrene
Concen: 2.176 ug/l
RT: 12.133 min Scan# 1793
Delta R.T. -0.007 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



Tgt Ion:104 Resp: 15035
Ion Ratio Lower Upper
104 100
78 40.3 40.2 60.4
103 52.6 44.2 66.2





#71

Bromoform

Concen: 2.231 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

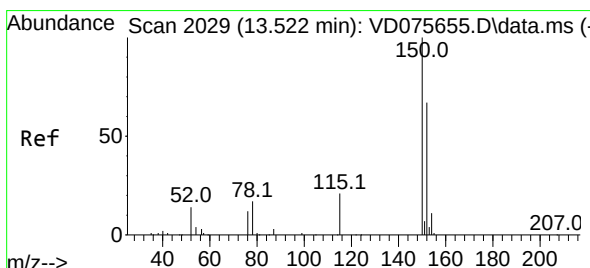
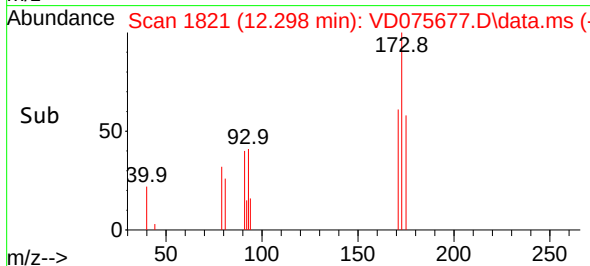
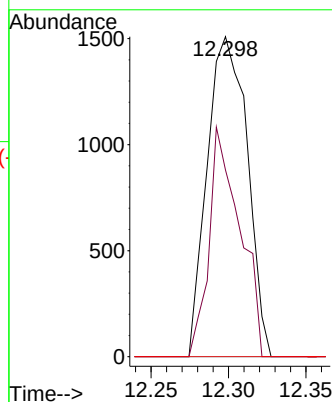
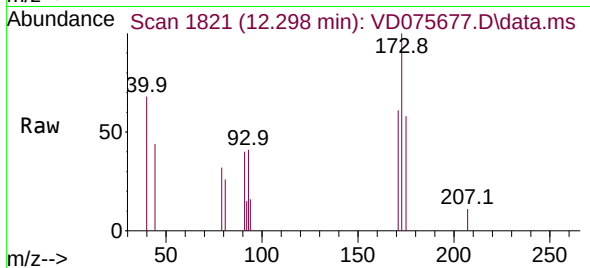
Tgt Ion:173 Resp: 270
 Ion Ratio Lower Upper
 173 100
 175 55.1 23.5 70.5
 254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

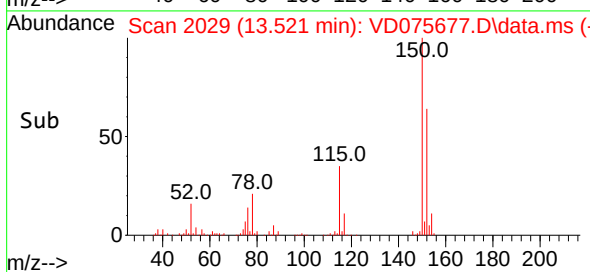
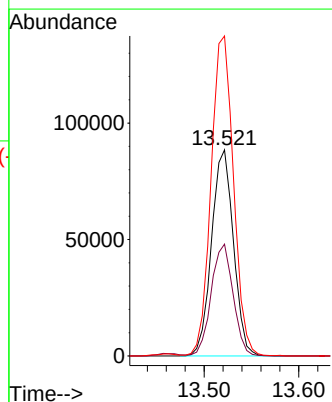
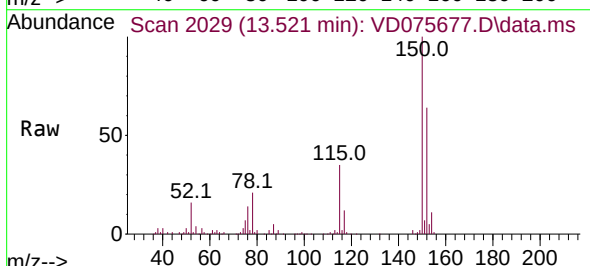
RT: 13.521 min Scan# 2029

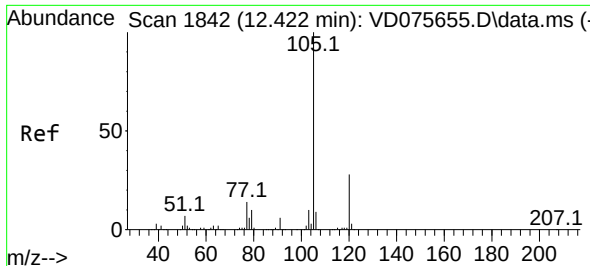
Delta R.T. -0.001 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

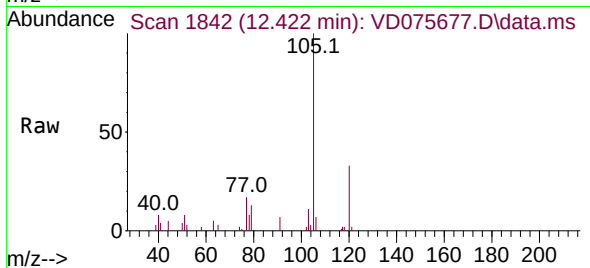
Tgt Ion:152 Resp: 142270
 Ion Ratio Lower Upper
 152 100
 115 54.2 30.1 90.3
 150 159.1 0.0 364.8





#73
Isopropylbenzene
Concen: 2.282 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

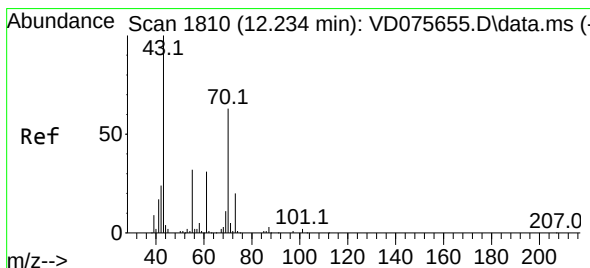
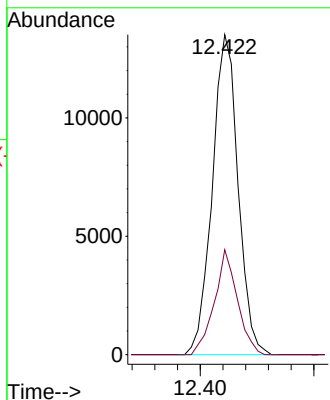
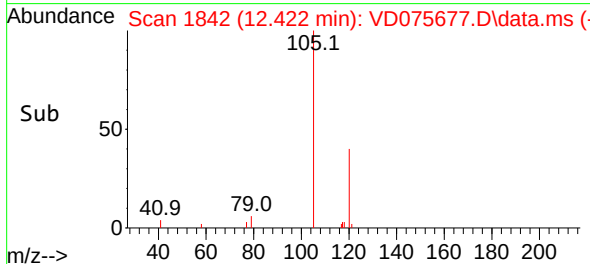
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion:105 Resp: 21300
Ion Ratio Lower Upper
105 100
120 29.3 13.4 40.1

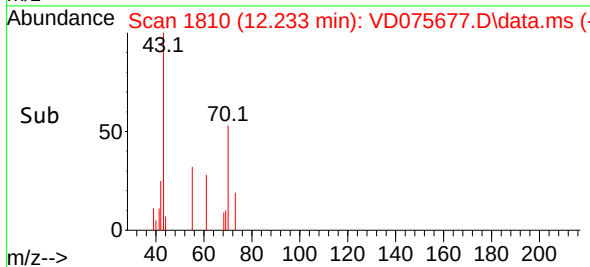
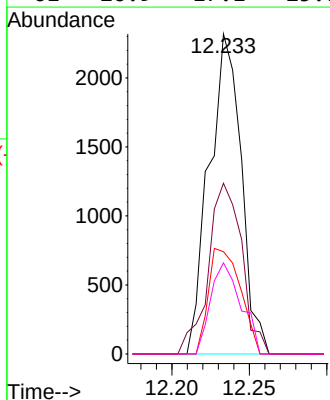
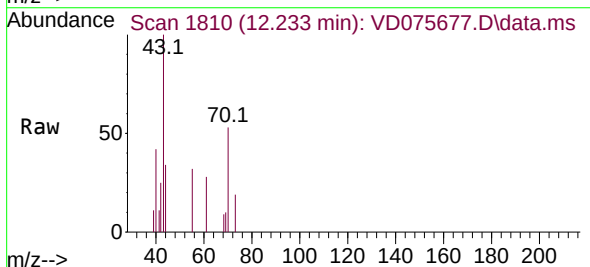
Manual Integrations
APPROVED

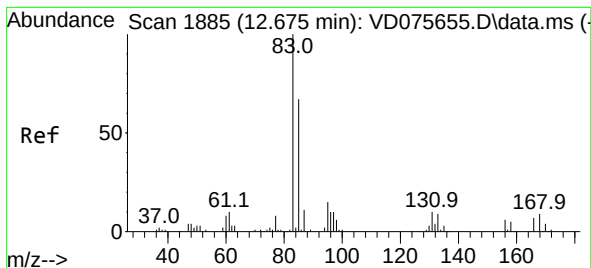
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#74
N-ethyl acetate
Concen: 2.430 ug/l
RT: 12.233 min Scan# 1810
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

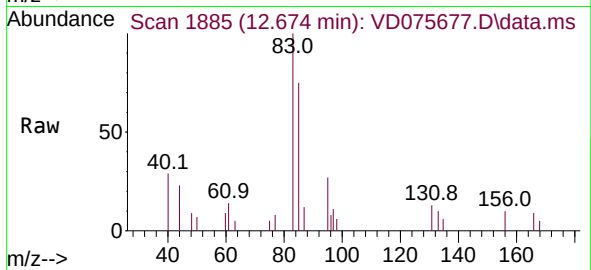
Tgt Ion: 43 Resp: 3334
Ion Ratio Lower Upper
43 100
70 55.6 31.0 46.4#
55 32.9 18.6 28.0#
61 26.9 17.1 25.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 2.951 ug/l
RT: 12.674 min Scan# 1885
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

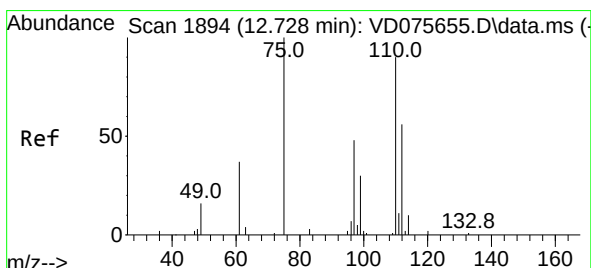
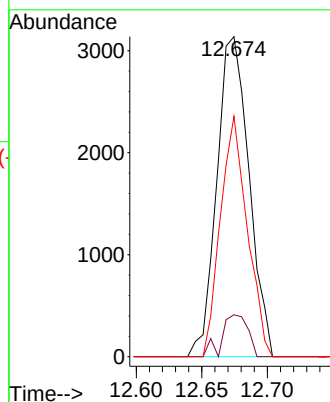
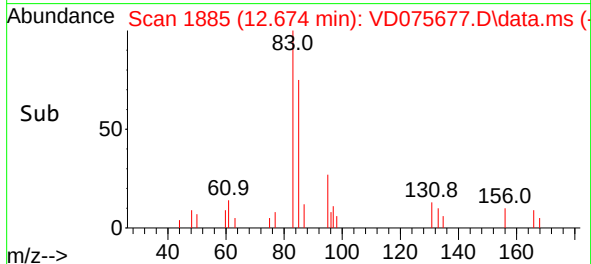
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 83 Resp: 535
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.2
85 62.6 33.6 100.6

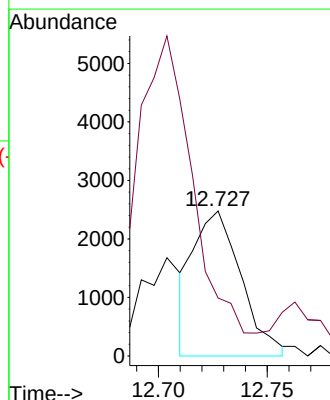
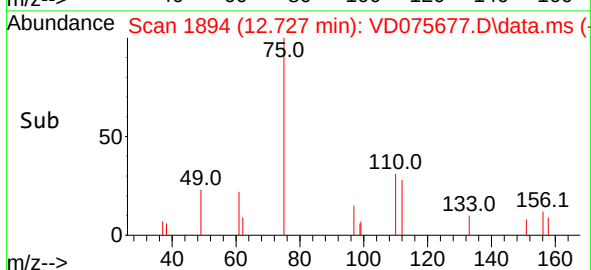
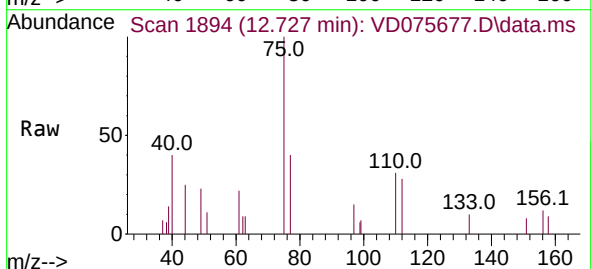
Manual Integrations
APPROVED

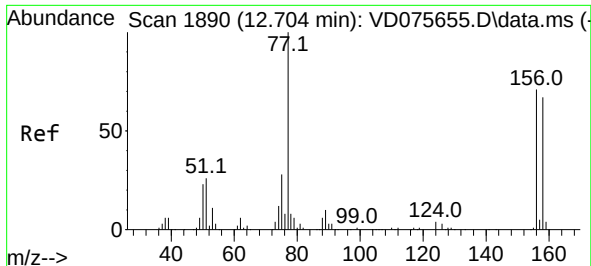
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#76
1,2,3-Trichloropropane
Concen: 3.244 ug/l m
RT: 12.727 min Scan# 1894
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

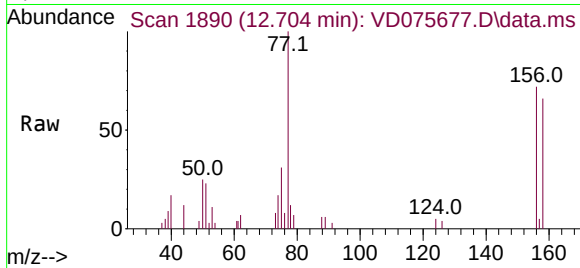
Tgt Ion: 75 Resp: 3764
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 2.749 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

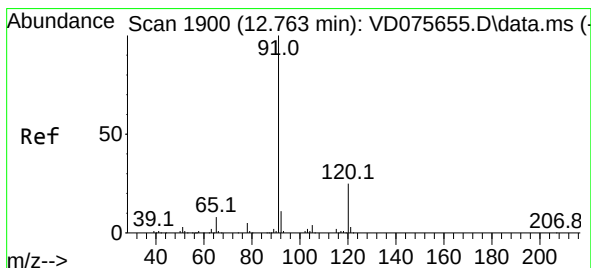
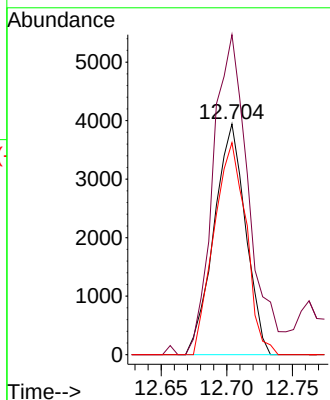
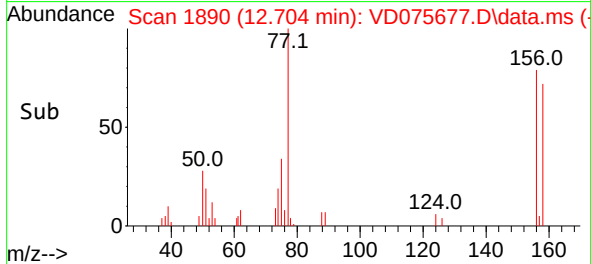
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



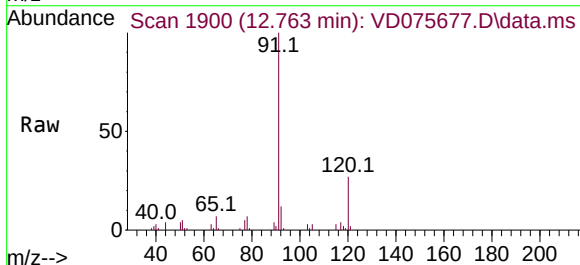
Tgt Ion:156 Resp: 661
Ion Ratio Lower Upper
156 100
77 156.2 89.5 268.6
158 93.4 47.8 143.4

Manual Integrations
APPROVED

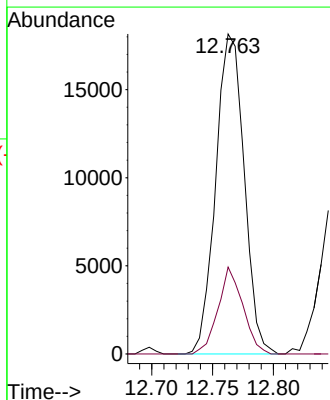
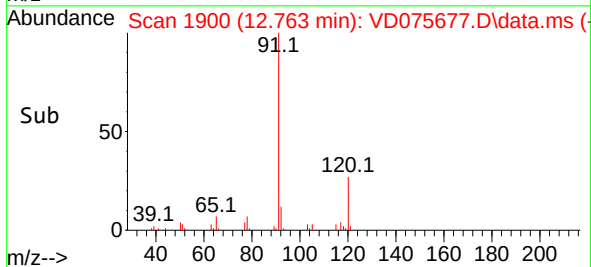
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

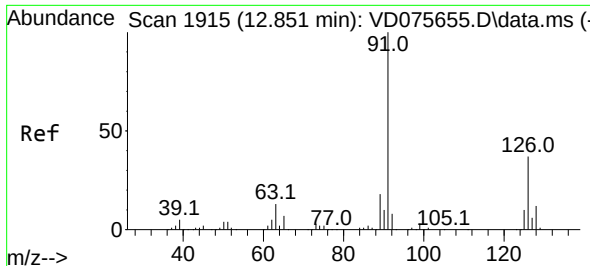


#78
n-propylbenzene
Concen: 2.580 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



Tgt Ion: 91 Resp: 29531
Ion Ratio Lower Upper
91 100
120 23.7 11.4 34.2





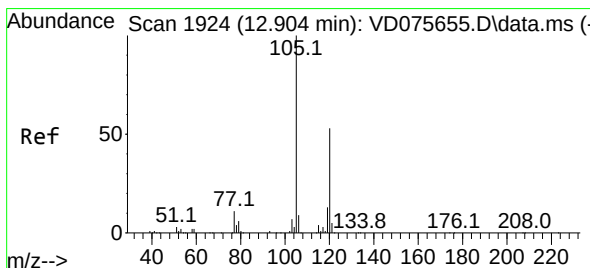
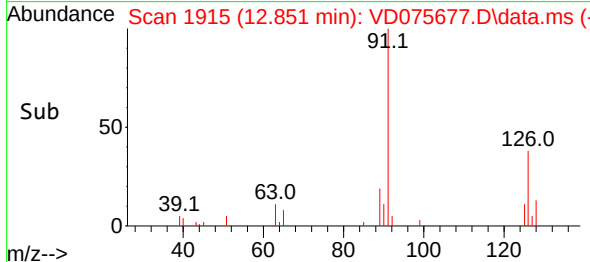
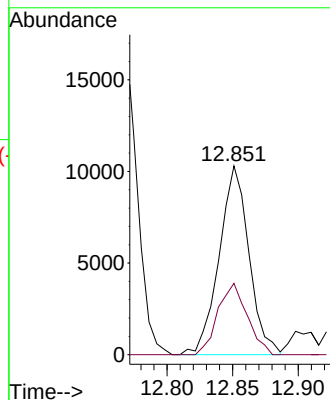
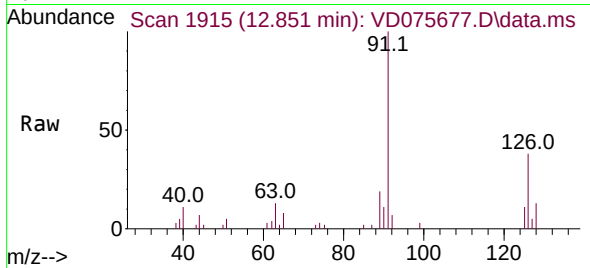
#79
2-Chlorotoluene
Concen: 2.512 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 91 Resp: 16300
Ion Ratio Lower Upper
91 100
126 37.3 16.8 50.3

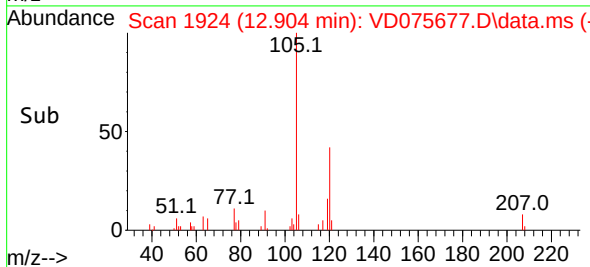
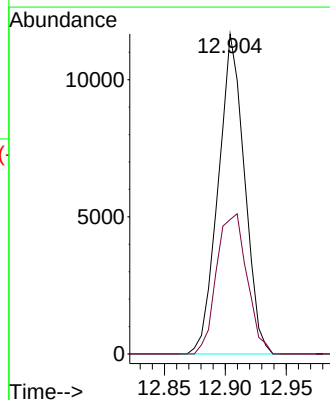
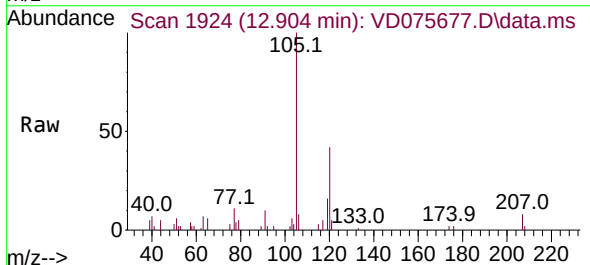
Manual Integrations
APPROVED

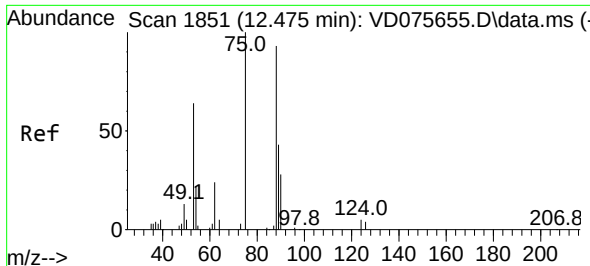
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#80
1,3,5-Trimethylbenzene
Concen: 2.245 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

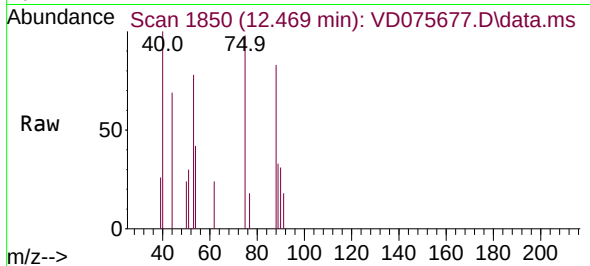
Tgt Ion:105 Resp: 17476
Ion Ratio Lower Upper
105 100
120 50.7 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 2.539 ug/l m
RT: 12.469 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

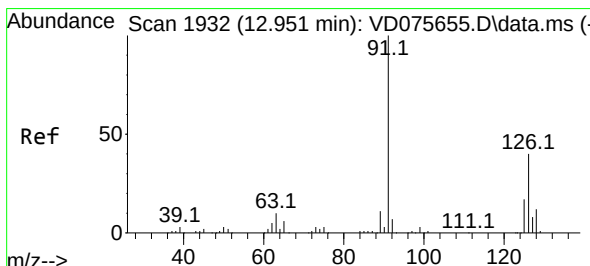
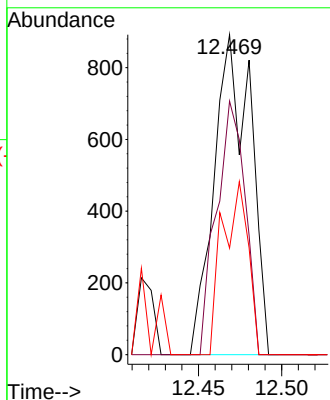
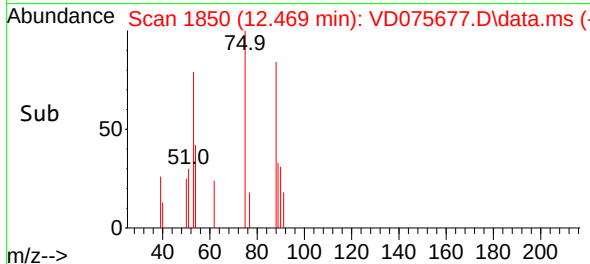
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 75 Resp: 1359
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7
89 0.0 40.2 60.4

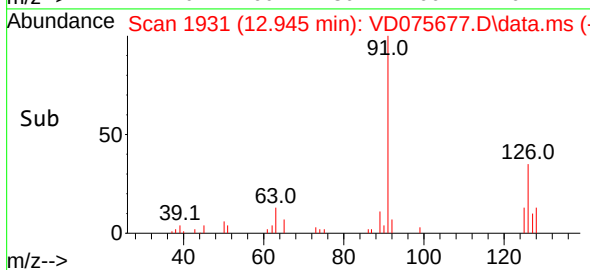
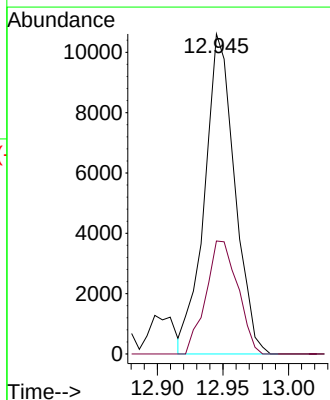
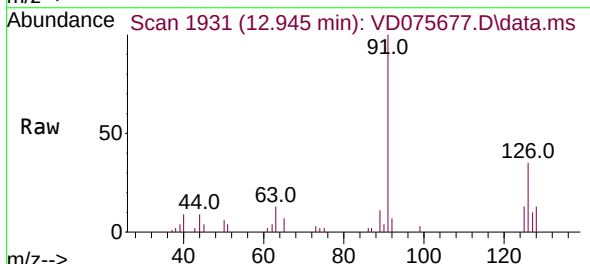
Manual Integrations
APPROVED

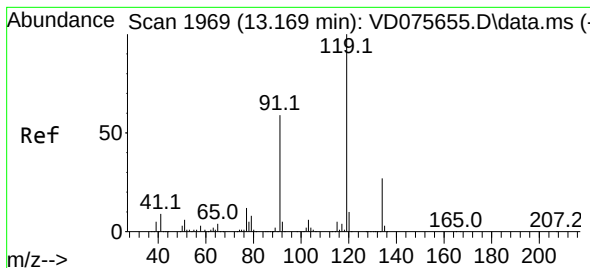
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#82
4-Chlorotoluene
Concen: 2.517 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Tgt Ion: 91 Resp: 16989
Ion Ratio Lower Upper
91 100
126 37.2 17.1 51.2





#83

tert-Butylbenzene

Concen: 2.260 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

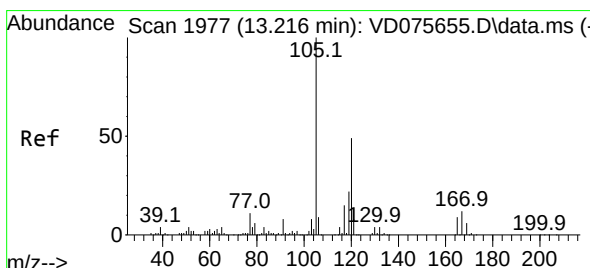
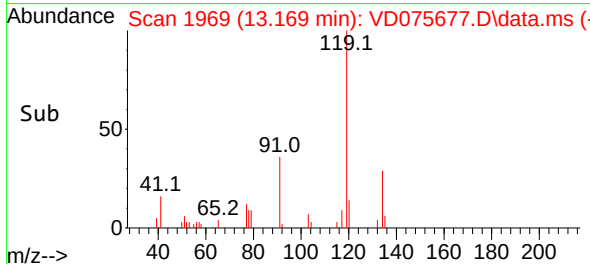
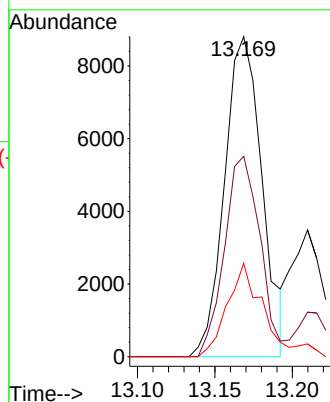
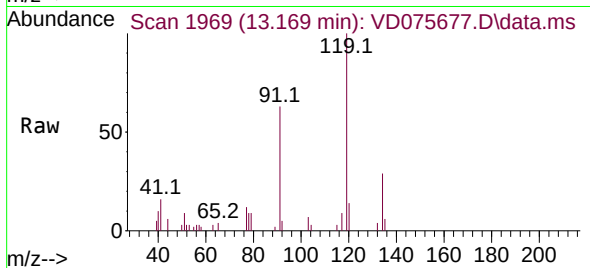
Tgt Ion:	119	Resp:	14830
Ion Ratio	Lower	Upper	
119	100		
91	59.3	32.4	97.0
134	28.6	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#84

1,2,4-Trimethylbenzene

Concen: 2.021 ug/l

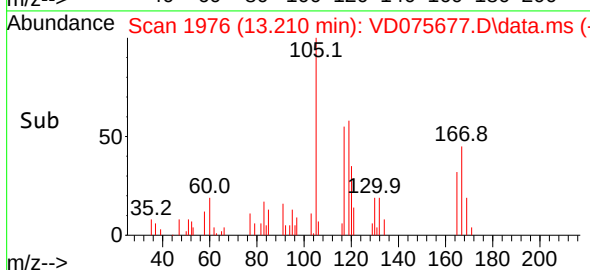
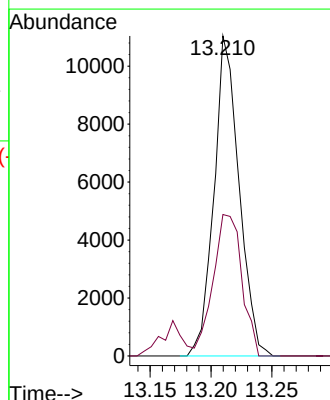
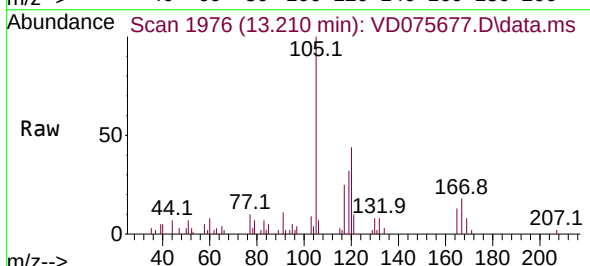
RT: 13.210 min Scan# 1976

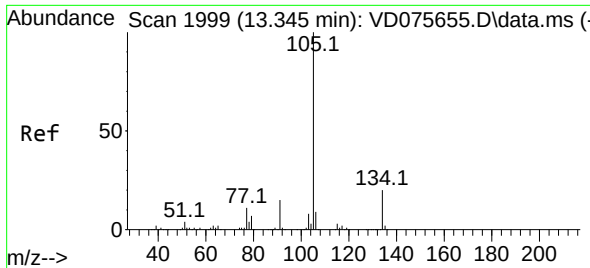
Delta R.T. -0.006 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion:	105	Resp:	15789
Ion Ratio	Lower	Upper	
105	100		
120	50.5	22.3	66.9





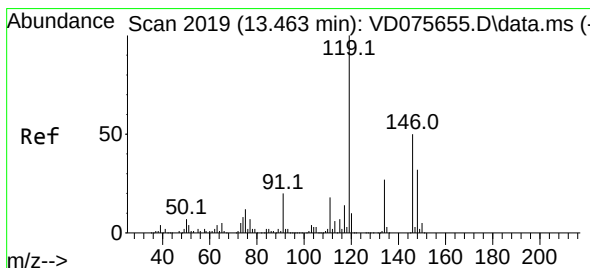
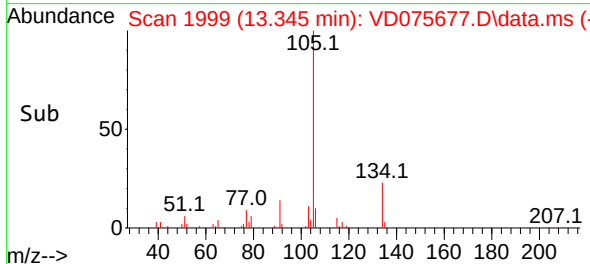
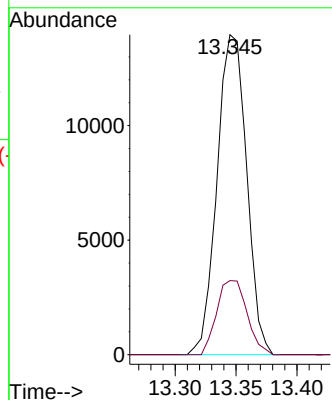
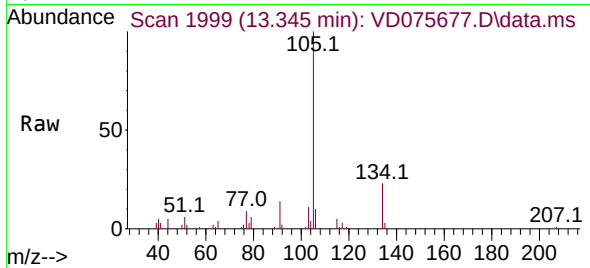
#85
 sec-Butylbenzene
 Concen: 2.334 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD075677.D
 Acq: 14 Apr 2023 13:58

Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion:105 Resp: 2363
 Ion Ratio Lower Upper
 105 100
 134 23.7 9.9 29.7

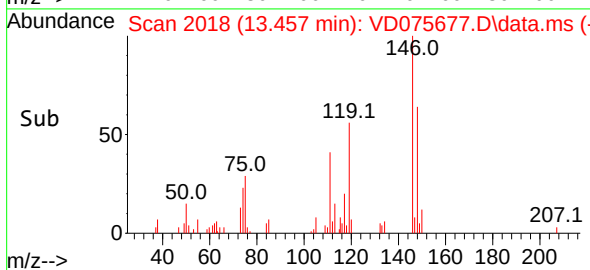
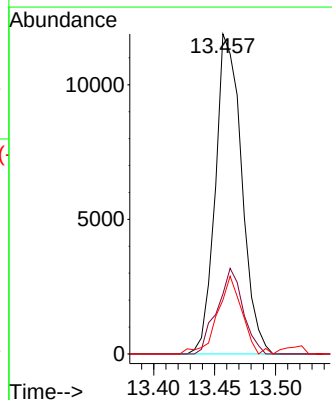
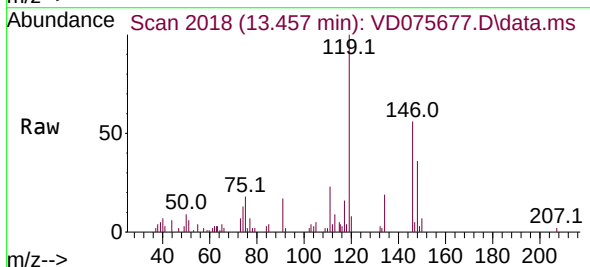
Manual Integrations
 APPROVED

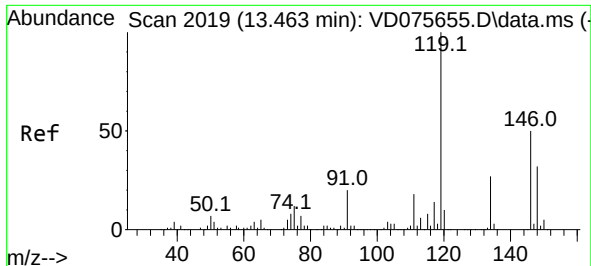
Reviewed By :John Carlone 04/17/2023
 Supervised By :Mahesh Dadoda 04/17/2023



#86
 p-Isopropyltoluene
 Concen: 2.120 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: VD075677.D
 Acq: 14 Apr 2023 13:58

Tgt Ion:119 Resp: 17874
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 22.5 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 2.420 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

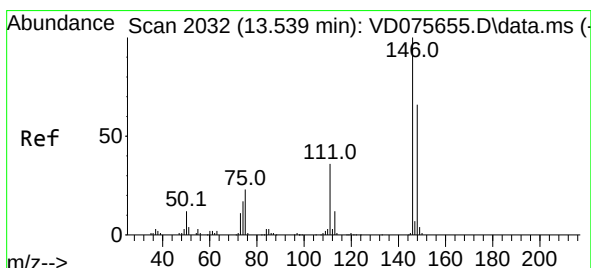
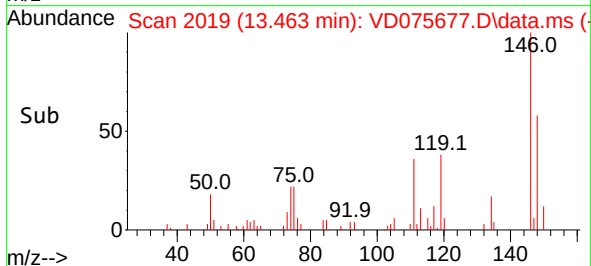
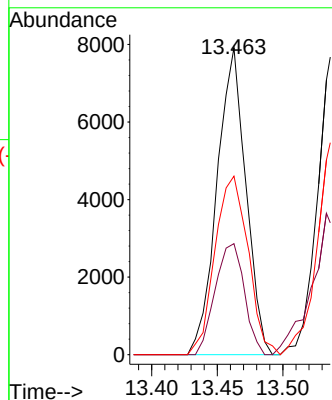
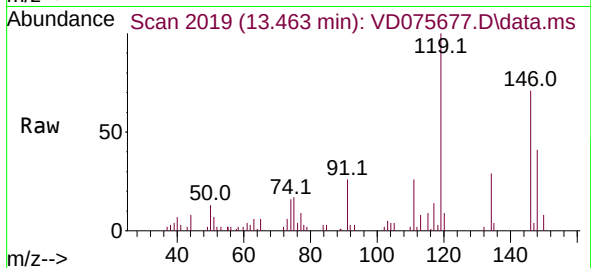
Tgt Ion:146	Resp:	12119
Ion Ratio	Lower	Upper
146	100	
111	36.5	19.8 59.3
148	66.7	31.0 93.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#88

1,4-Dichlorobenzene

Concen: 2.773 ug/l

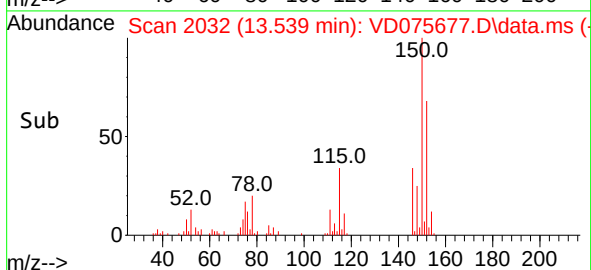
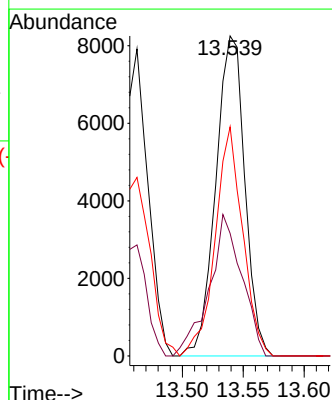
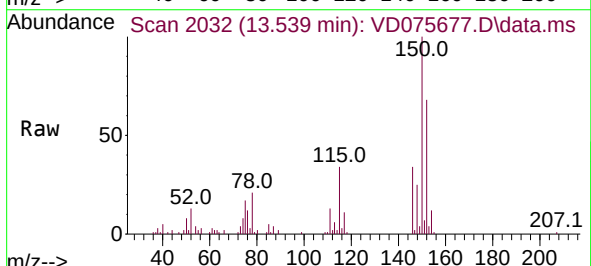
RT: 13.539 min Scan# 2032

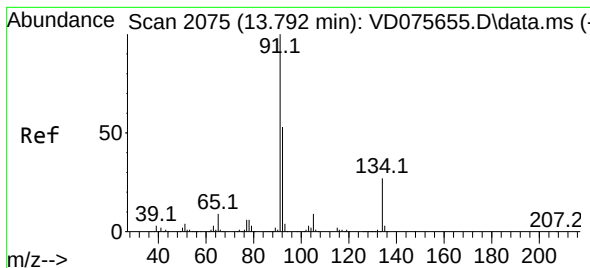
Delta R.T. 0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion:146	Resp:	13717
Ion Ratio	Lower	Upper
146	100	
111	49.4	19.6 58.8
148	67.7	31.7 95.1





#89

n-Butylbenzene

Concen: 2.642 ug/l

RT: 13.786 min Scan# 2075

Delta R.T. -0.006 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

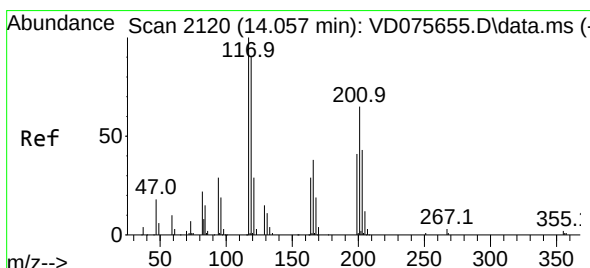
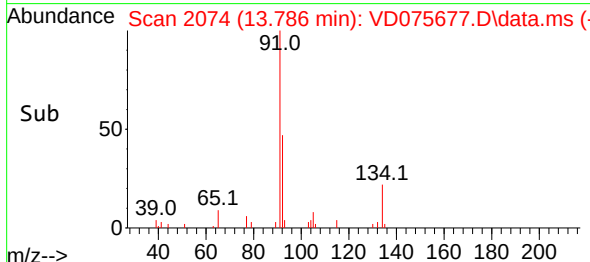
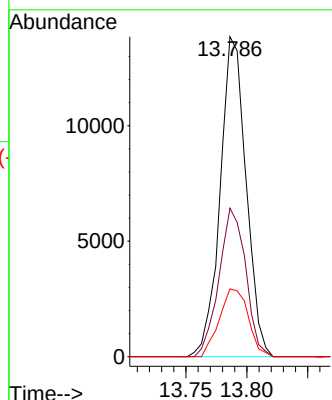
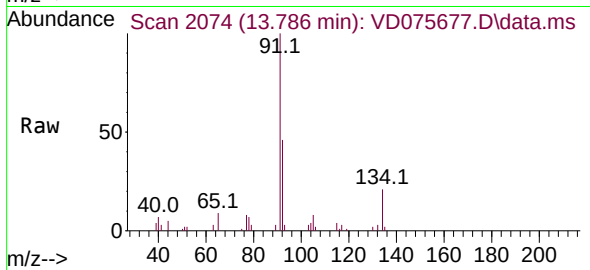
Tgt Ion:	91	Resp:	2051
Ion Ratio	Lower	Upper	
91	100		
92	47.9	26.2	78.5
134	23.6	12.7	38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#90

Hexachloroethane

Concen: 2.848 ug/l

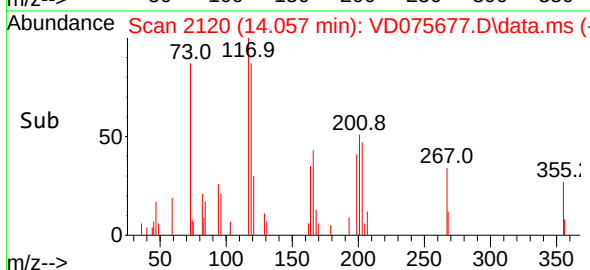
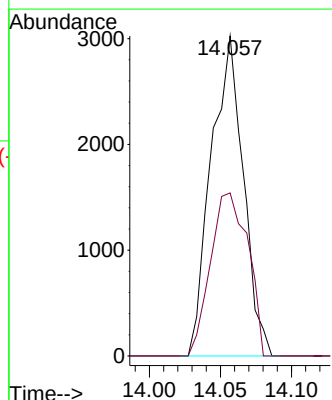
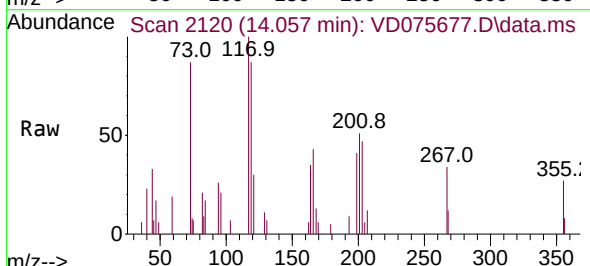
RT: 14.057 min Scan# 2120

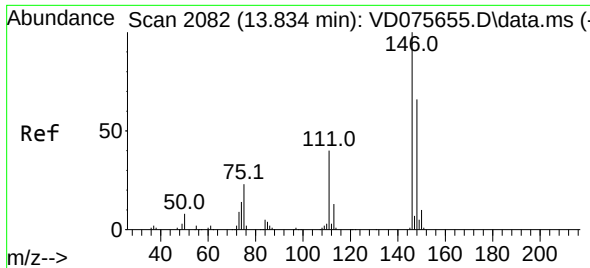
Delta R.T. -0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion:	117	Resp:	4770
Ion Ratio	Lower	Upper	
117	100		
201	59.2	34.5	103.6





#91

1,2-Dichlorobenzene

Concen: 2.574 ug/l

RT: 13.833 min Scan# 2082

Delta R.T. -0.001 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

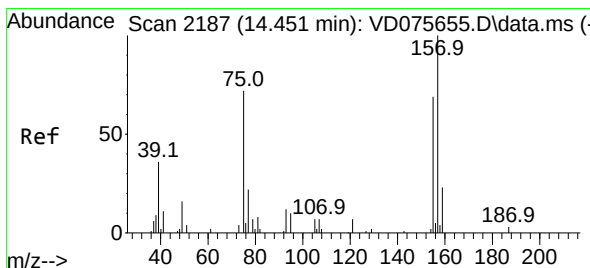
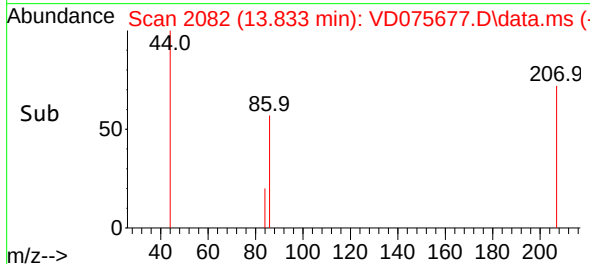
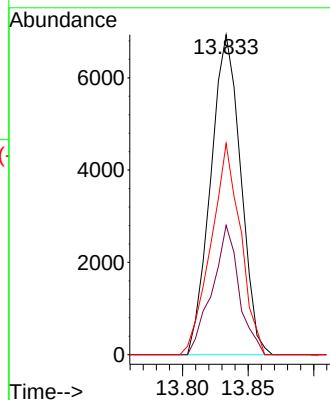
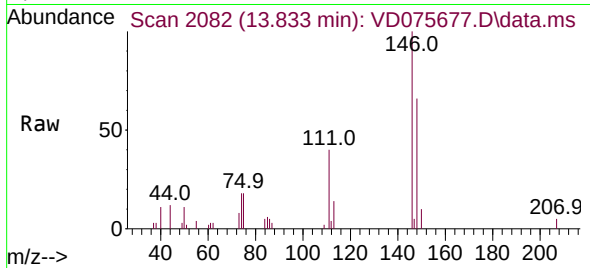
Tgt Ion:	146	Resp:	1104
Ion Ratio	Lower	Upper	
146	100		
111	36.2	20.6	61.8
148	65.1	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.735 ug/l

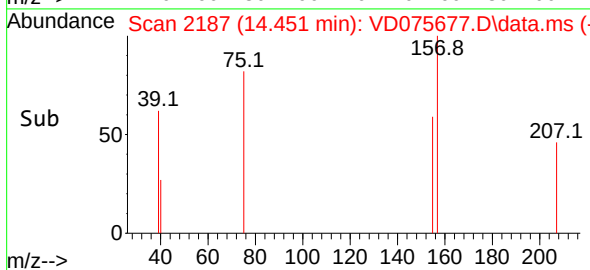
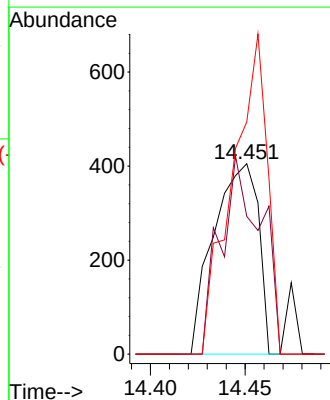
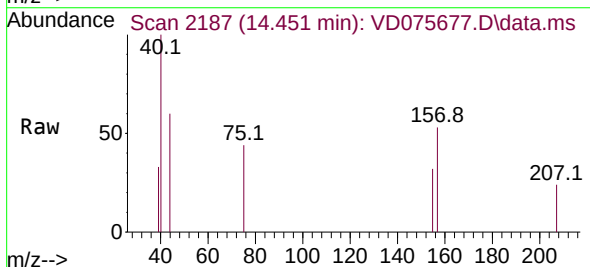
RT: 14.451 min Scan# 2187

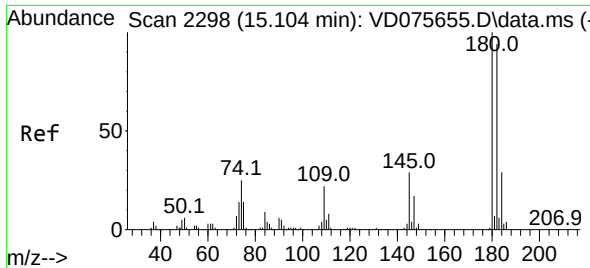
Delta R.T. -0.000 min

Lab File: VD075677.D

Acq: 14 Apr 2023 13:58

Tgt Ion:	75	Resp:	665
Ion Ratio	Lower	Upper	
75	100		
155	93.8	39.5	118.5
157	130.8	53.5	160.7





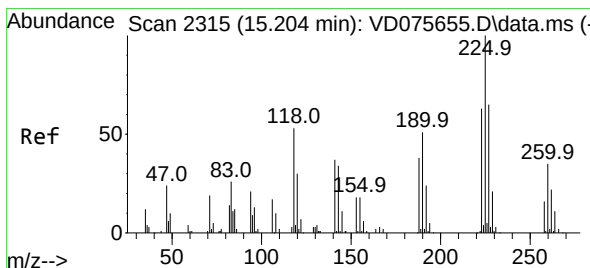
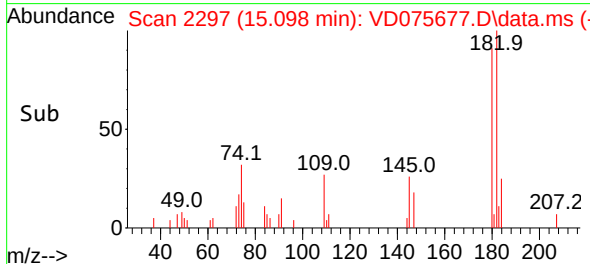
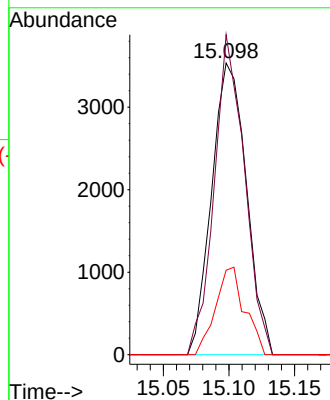
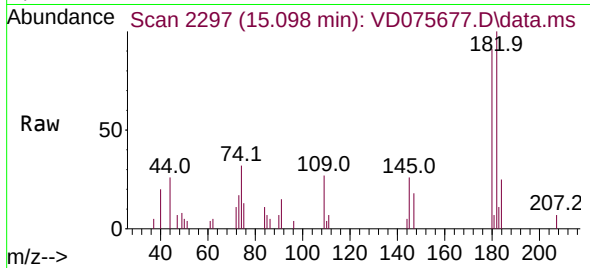
#93
1,2,4-Trichlorobenzene
Concen: 2.611 ug/l
RT: 15.098 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion:180 Resp: 6510
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 25.2 15.9 47.7

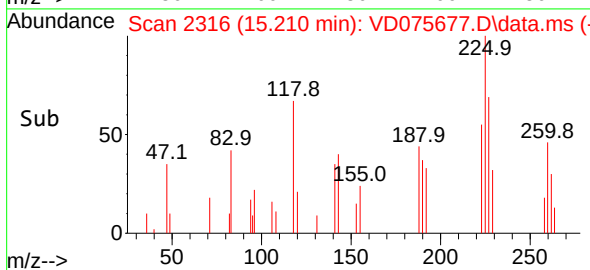
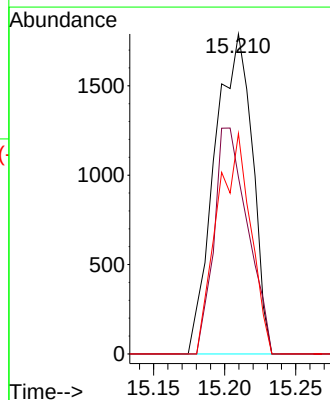
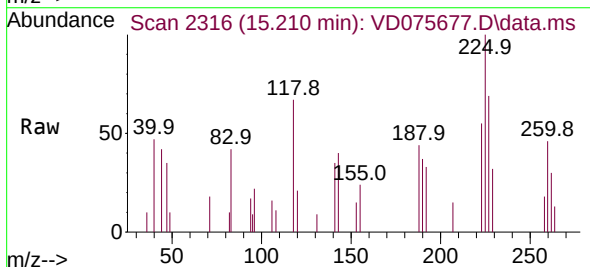
Manual Integrations
APPROVED

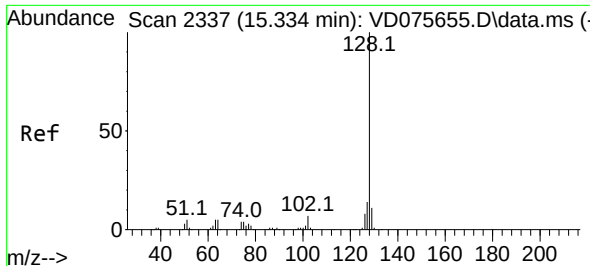
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#94
Hexachlorobutadiene
Concen: 2.773 ug/l
RT: 15.210 min Scan# 2316
Delta R.T. 0.006 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

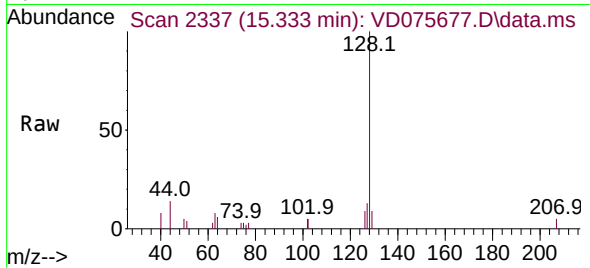
Tgt Ion:225 Resp: 3308
Ion Ratio Lower Upper
225 100
223 62.9 33.1 99.2
227 61.1 31.9 95.9





#95
Naphthalene
Concen: 2.639 ug/l
RT: 15.333 min Scan# 212
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58

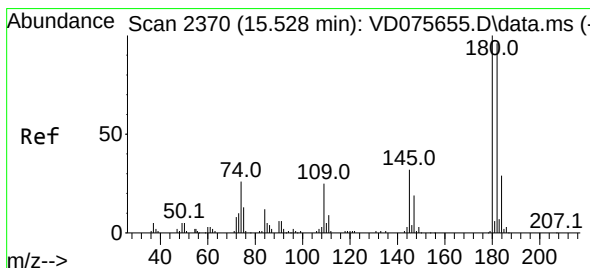
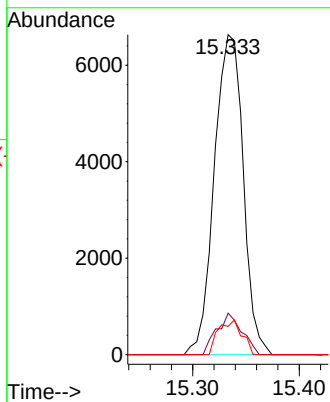
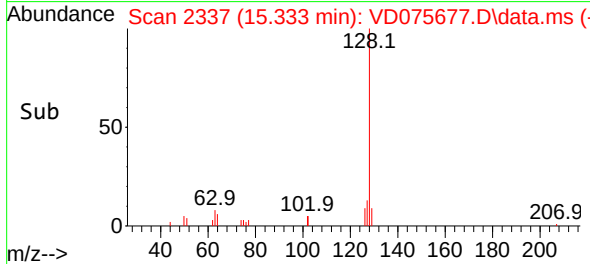
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



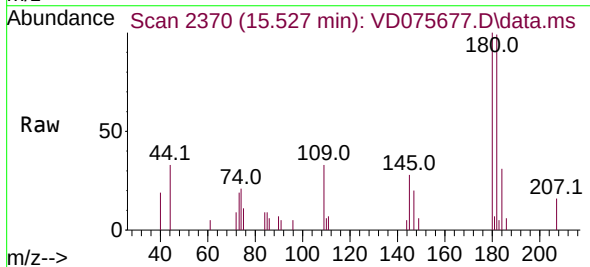
Tgt Ion:128 Resp: 12479
Ion Ratio Lower Upper
128 100
127 11.3 10.4 15.6
129 8.9 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#96
1,2,3-Trichlorobenzene
Concen: 2.504 ug/l
RT: 15.527 min Scan# 2370
Delta R.T. -0.001 min
Lab File: VD075677.D
Acq: 14 Apr 2023 13:58



Tgt Ion:180 Resp: 5501
Ion Ratio Lower Upper
180 100
182 98.2 47.7 143.1
145 32.9 16.4 49.4

