

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077456.D
 Acq On : 31 Oct 2023 13:04
 Operator : JC/SY
 Sample : 04699-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Quant Time: Nov 01 06:04:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	279789	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	511838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	447651	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	199605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	199920	50.531	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.060%		
35) Dibromofluoromethane	7.804	113	171057	48.354	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.700%		
50) Toluene-d8	10.269	98	679750	49.469	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.575	95	219185	47.360	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.720%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	12936	5.734	ug/l	97
3) Chloromethane	2.152	50	20113	5.615	ug/l	96
4) Vinyl Chloride	2.293	62	19349	5.540	ug/l	93
5) Bromomethane	2.699	94	11031	6.027	ug/l	95
6) Chloroethane	2.846	64	13060	5.554	ug/l	94
7) Trichlorofluoromethane	3.181	101	26121	5.340	ug/l	86
8) Diethyl Ether	3.605	74	8912	5.069	ug/l #	38
9) 1,1,2-Trichlorotrifluo...	3.969	101	16217	5.492	ug/l	94
10) Methyl Iodide	4.169	142	14316	6.745	ug/l	92
11) Tert butyl alcohol	5.057	59	11011	35.134	ug/l #	73
12) 1,1-Dichloroethene	3.952	96	13528	4.839	ug/l #	67
13) Acrolein	3.799	56	11484	27.788	ug/l	99
14) Allyl chloride	4.569	41	33127	4.912	ug/l #	81
15) Acrylonitrile	5.263	53	25957	27.310	ug/l #	89
16) Acetone	4.022	43	38885	37.143	ug/l #	73
17) Carbon Disulfide	4.281	76	30000	6.974	ug/l	98
18) Methyl Acetate	4.575	43	20170	5.282	ug/l #	80
19) Methyl tert-butyl Ether	5.316	73	47642	5.429	ug/l	92
20) Methylene Chloride	4.810	84	33458	6.393	ug/l #	70
21) trans-1,2-Dichloroethene	5.316	96	16646	5.113	ug/l #	63
22) Diisopropyl ether	6.216	45	73776	5.147	ug/l #	86
23) Vinyl Acetate	6.163	43	161834m	26.172	ug/l	
24) 1,1-Dichloroethane	6.110	63	38699	5.204	ug/l	92
25) 2-Butanone	7.087	43	48689	34.868	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	39453	5.986	ug/l	84
27) cis-1,2-Dichloroethene	7.087	96	20723	5.138	ug/l	57
28) Bromochloromethane	7.434	49	13709	6.000	ug/l #	52
29) Tetrahydrofuran	7.446	42	24310	29.353	ug/l #	66
30) Chloroform	7.598	83	36719	5.288	ug/l	98
31) Cyclohexane	7.875	56	36210	5.855	ug/l #	66
32) 1,1,1-Trichloroethane	7.798	97	30689	5.364	ug/l	96
36) 1,1-Dichloropropene	8.016	75	26423	5.038	ug/l	91
37) Ethyl Acetate	7.175	43	16474	5.473	ug/l #	89
38) Carbon Tetrachloride	7.993	117	24671	4.992	ug/l	95
39) Methylcyclohexane	9.269	83	28686	4.793	ug/l #	80
40) Benzene	8.251	78	73894	4.941	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	9524	4.945	ug/l #	69
42) 1,2-Dichloroethane	8.328	62	24315	5.133	ug/l	89
43) Isopropyl Acetate	8.363	43	31298	5.039	ug/l #	81
44) Trichloroethene	9.034	130	18375	5.015	ug/l	97
45) 1,2-Dichloropropane	9.310	63	23752	5.394	ug/l	93
46) Dibromomethane	9.398	93	10373	4.895	ug/l	89
47) Bromodichloromethane	9.587	83	28399	5.070	ug/l	92
48) Methyl methacrylate	9.381	41	15143	5.107	ug/l #	66
49) 1,4-Dioxane	9.393	88	2164	95.038	ug/l #	28
51) 4-Methyl-2-Pentanone	10.157	43	79273	25.927	ug/l #	81
52) Toluene	10.334	92	46027	5.048	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	32361	5.456	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	33980	4.979	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	14783	5.229	ug/l	98
56) Ethyl methacrylate	10.598	69	21360	5.081	ug/l #	62
57) 1,3-Dichloropropane	10.881	76	26880	5.087	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	41573	19.755	ug/l #	86
59) 2-Hexanone	10.922	43	60200	26.728	ug/l	77
60) Dibromochloromethane	11.081	129	16837	4.953	ug/l	95
61) 1,2-Dibromoethane	11.181	107	13528	5.053	ug/l	93
64) Tetrachloroethene	10.810	164	13623	4.780	ug/l #	84
65) Chlorobenzene	11.610	112	47496	5.064	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	18364	5.182	ug/l	94
67) Ethyl Benzene	11.687	91	93827	5.200	ug/l	90
68) m/p-Xylenes	11.792	106	65244	10.013	ug/l	79
69) o-Xylene	12.122	106	31442	5.038	ug/l	74
70) Styrene	12.134	104	57025	5.296	ug/l #	92
71) Bromoform	12.304	173	9966	5.072	ug/l #	94
73) Isopropylbenzene	12.422	105	86672	5.326	ug/l	93
74) N-amyl acetate	12.234	43	31132	5.401	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	17890	5.608	ug/l	92
76) 1,2,3-Trichloropropane	12.728	75	13274m	5.464	ug/l	
77) Bromobenzene	12.698	156	19148	5.345	ug/l	68
78) n-propylbenzene	12.763	91	109594	5.304	ug/l	93
79) 2-Chlorotoluene	12.851	91	61971	5.297	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	71582	5.242	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	6250	4.969	ug/l #	81
82) 4-Chlorotoluene	12.945	91	63340	5.197	ug/l	89
83) tert-Butylbenzene	13.169	119	61032	5.316	ug/l	88
84) 1,2,4-Trimethylbenzene	13.210	105	71431	5.266	ug/l	93
85) sec-Butylbenzene	13.345	105	93853	5.343	ug/l	95
86) p-Isopropyltoluene	13.463	119	75197	5.267	ug/l	92
87) 1,3-Dichlorobenzene	13.463	146	36750	5.219	ug/l	94
88) 1,4-Dichlorobenzene	13.539	146	37706	5.360	ug/l	89
89) n-Butylbenzene	13.786	91	79083	5.329	ug/l	97
90) Hexachloroethane	14.057	117	15259	5.222	ug/l	91
91) 1,2-Dichlorobenzene	13.833	146	32179	5.200	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3068	5.709	ug/l	75
93) 1,2,4-Trichlorobenzene	15.098	180	20914	4.920	ug/l	98
94) Hexachlorobutadiene	15.204	225	11588	5.054	ug/l	96
95) Naphthalene	15.333	128	44607	5.501	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	19804	5.397	ug/l	99

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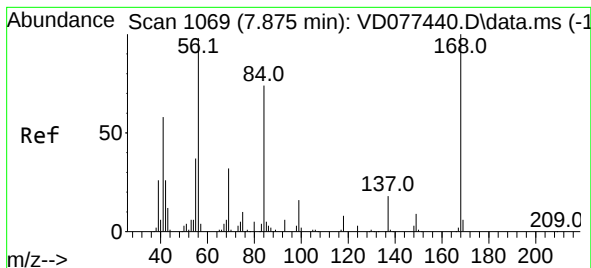
Manual Integrations
APPROVED

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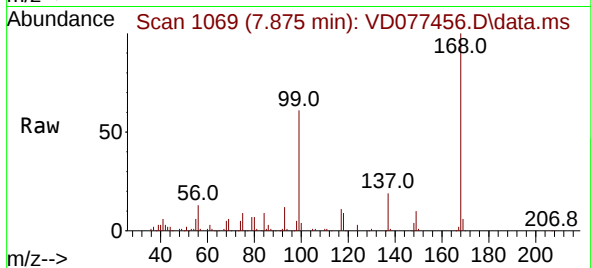
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
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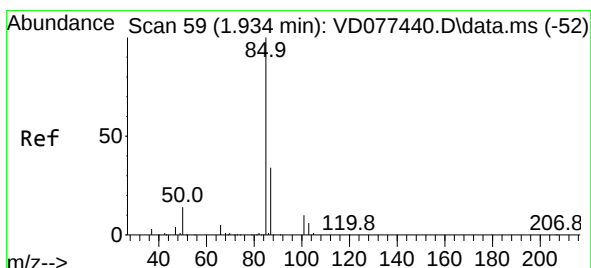
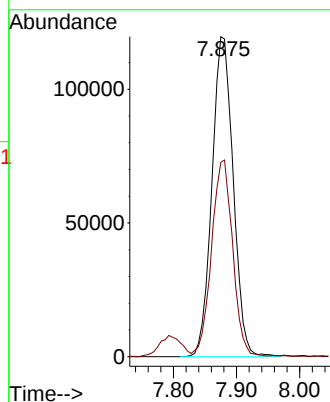
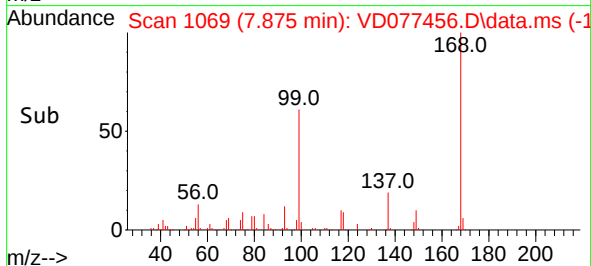
Instrument :
MSVOA_D
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LOQ-SOIL-02-QT4-2023



Tgt Ion:168 Resp: 279789
Ion Ratio Lower Upper
168 100
99 60.5 36.7 55.1

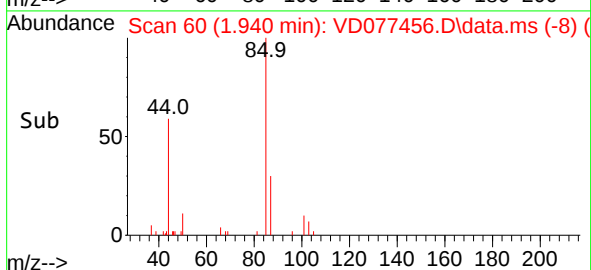
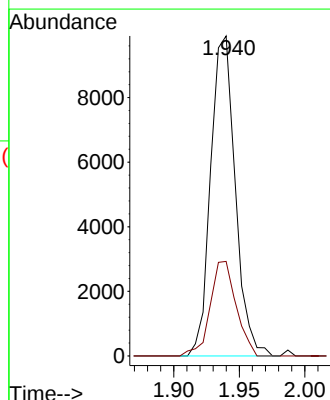
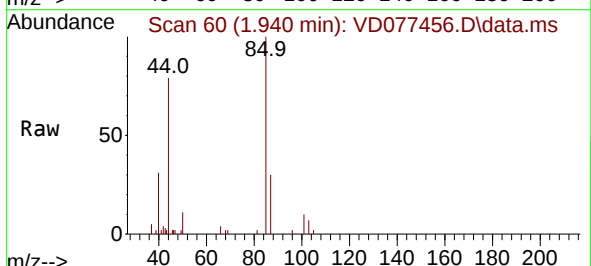
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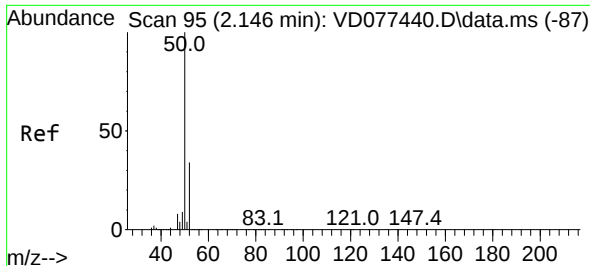
Reviewed By :John Carlone 11/01/2023
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#2
Dichlorodifluoromethane
Concen: 5.734 ug/l
RT: 1.940 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion: 85 Resp: 12936
Ion Ratio Lower Upper
85 100
87 29.5 15.7 47.0





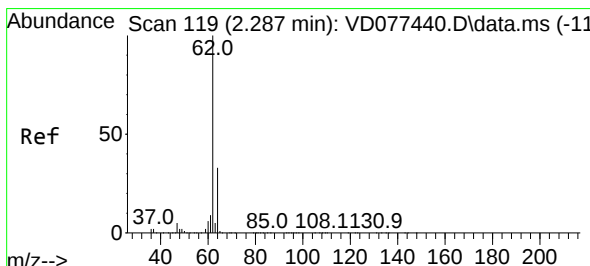
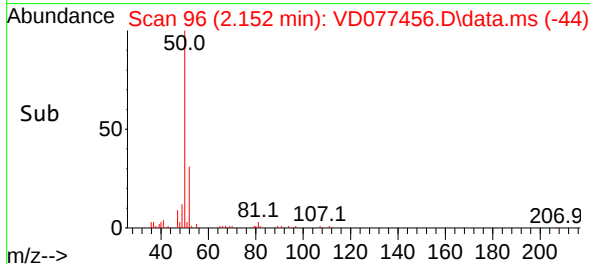
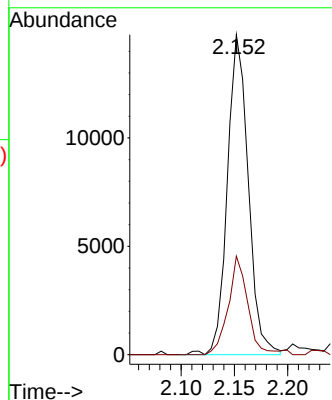
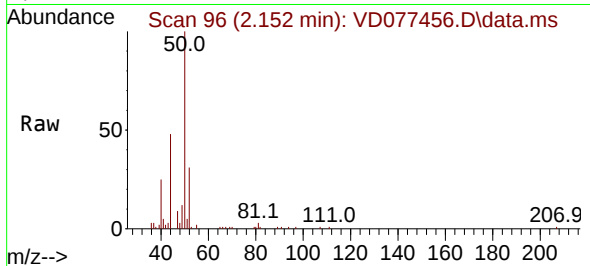
#3
Chloromethane
Concen: 5.615 ug/l
RT: 2.152 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

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Tgt Ion: 50 Resp: 2011
Ion Ratio Lower Upper
50 100
52 30.8 26.6 40.0

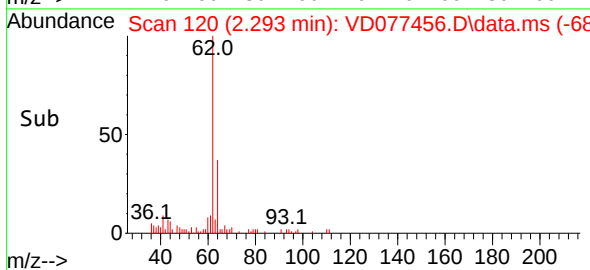
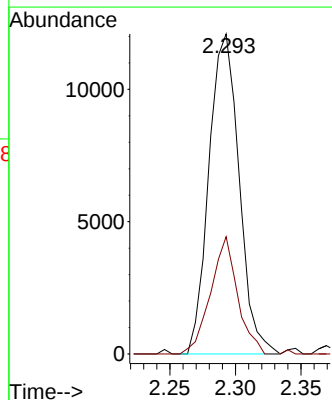
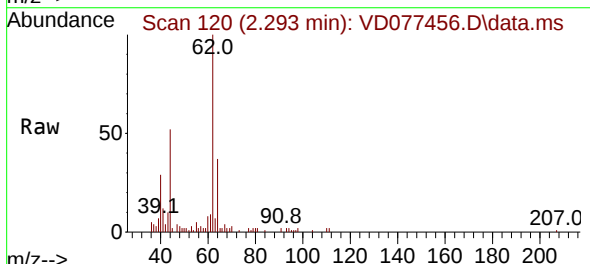
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#4
Vinyl Chloride
Concen: 5.540 ug/l
RT: 2.293 min Scan# 120
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

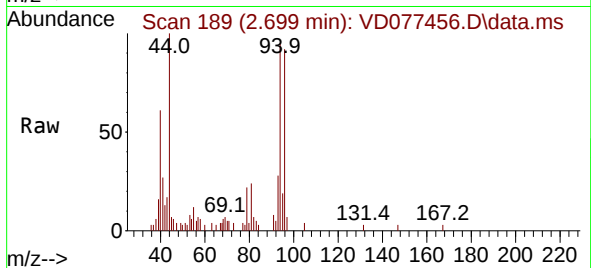
Tgt Ion: 62 Resp: 19349
Ion Ratio Lower Upper
62 100
64 36.7 26.0 39.0





#5
Bromomethane
Concen: 6.027 ug/l
RT: 2.699 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

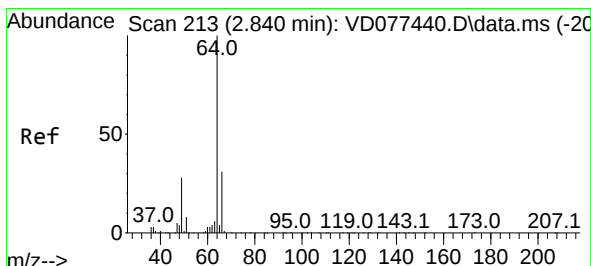
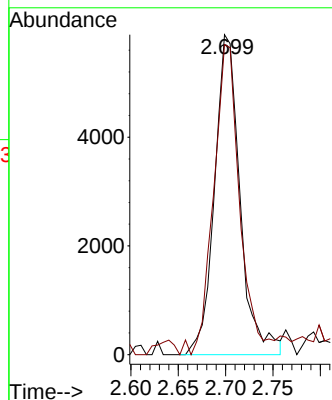
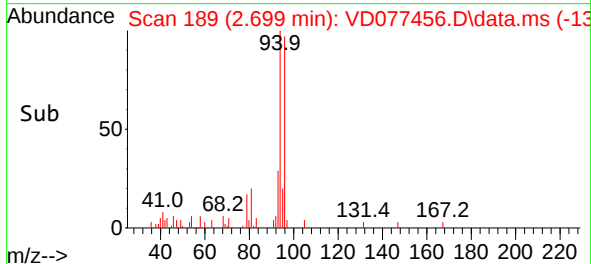
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 94 Resp: 1103
Ion Ratio Lower Upper
94 100
96 99.6 75.8 113.8

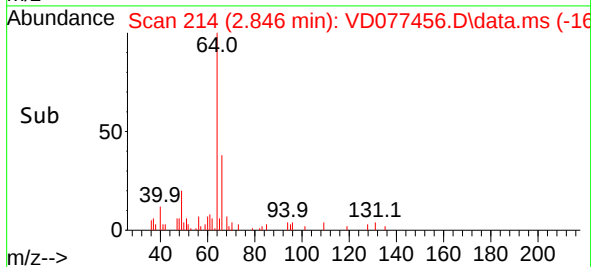
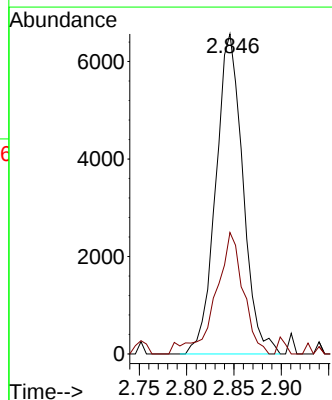
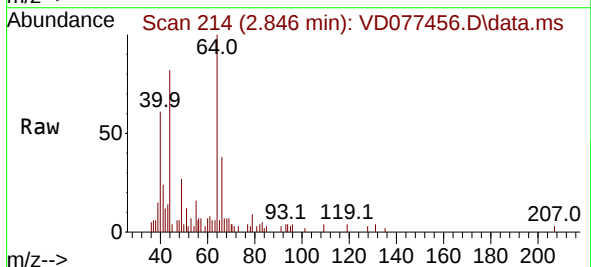
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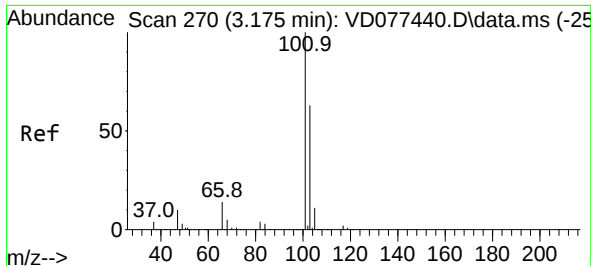
Reviewed By :John Carlone 11/01/2023
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#6
Chloroethane
Concen: 5.554 ug/l
RT: 2.846 min Scan# 214
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion: 64 Resp: 13060
Ion Ratio Lower Upper
64 100
66 35.5 25.5 38.3





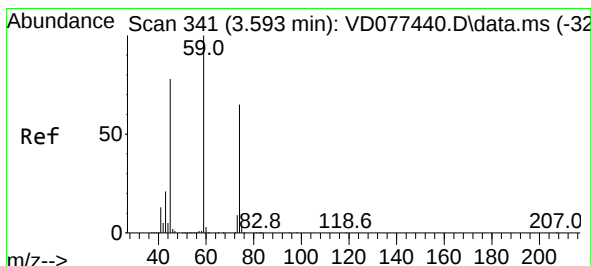
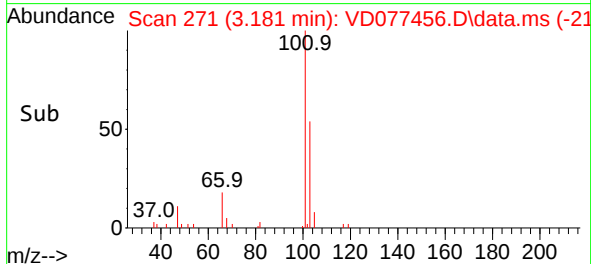
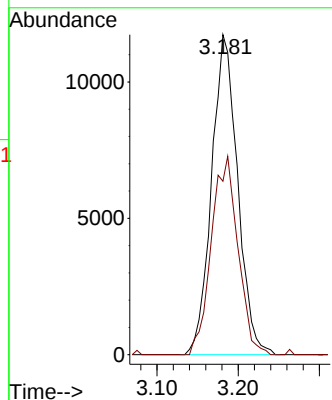
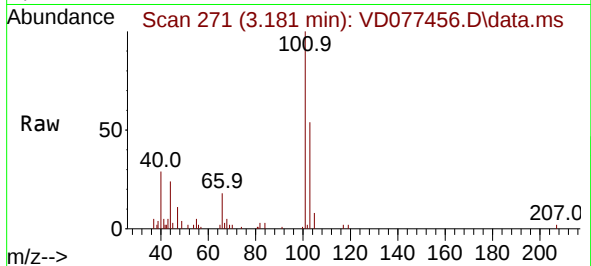
#7
Trichlorofluoromethane
Concen: 5.340 ug/l
RT: 3.181 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Instrument :
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LOQ-SOIL-02-QT4-2023

Tgt Ion:101 Resp: 2612
Ion Ratio Lower Upper
101 100
103 54.2 52.3 78.5

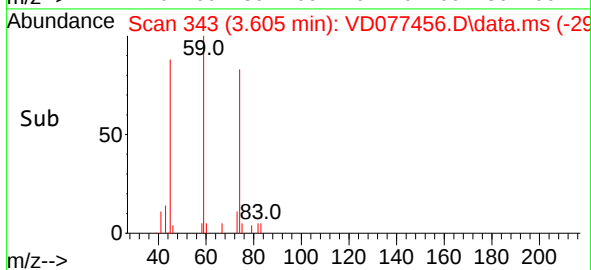
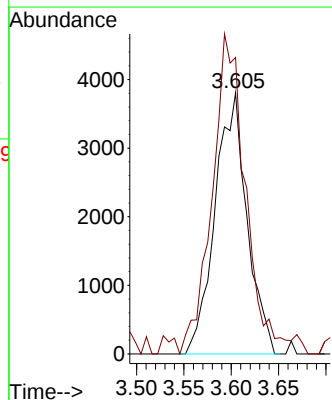
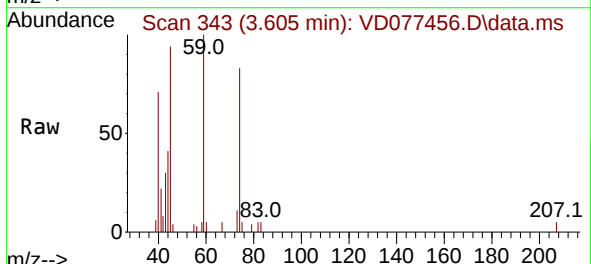
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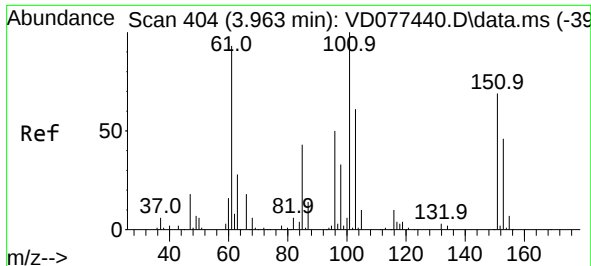
Reviewed By :John Carlone 11/01/2023
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#8
Diethyl Ether
Concen: 5.069 ug/l
RT: 3.605 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion: 74 Resp: 8912
Ion Ratio Lower Upper
74 100
45 128.1 37.5 112.7#





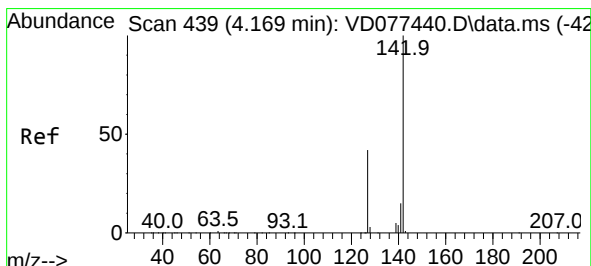
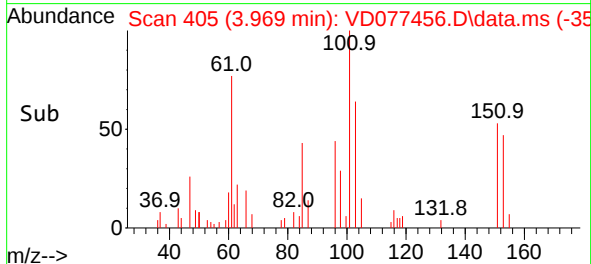
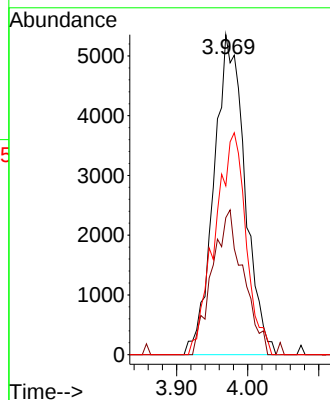
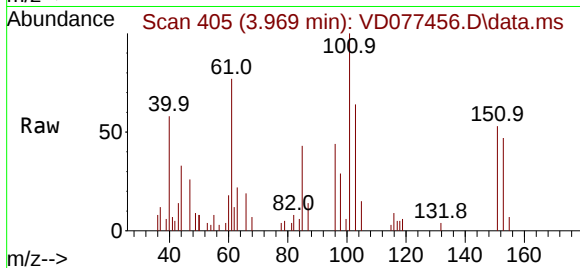
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.492 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:101 Resp: 1621
Ion Ratio Lower Upper
101 100
85 45.6 33.8 50.6
151 69.9 59.8 89.6

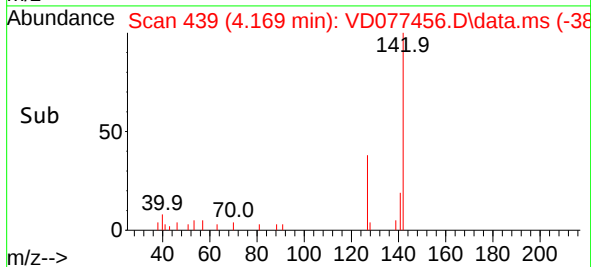
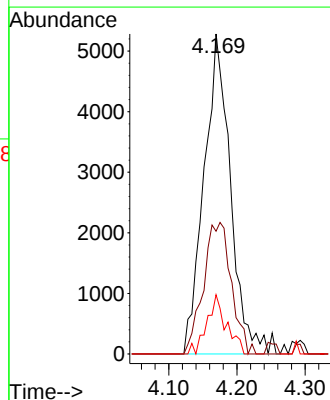
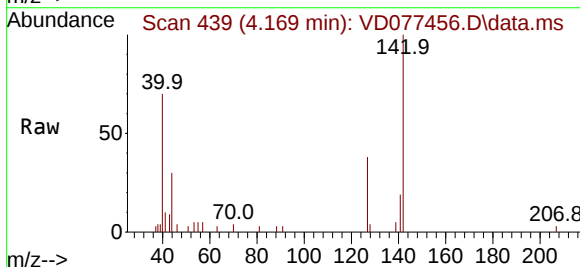
Manual Integrations
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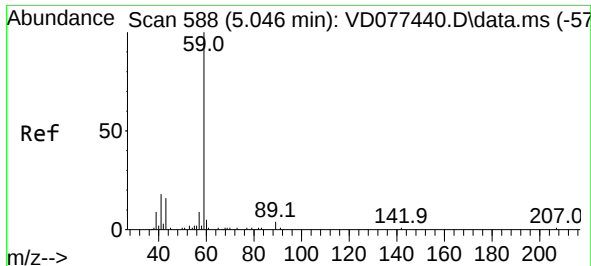
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#10
Methyl Iodide
Concen: 6.745 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion:142 Resp: 14316
Ion Ratio Lower Upper
142 100
127 43.2 29.4 44.0
141 13.6 11.1 16.7





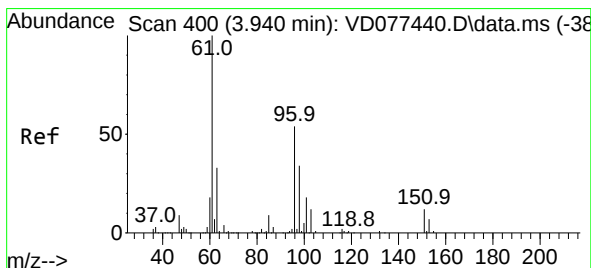
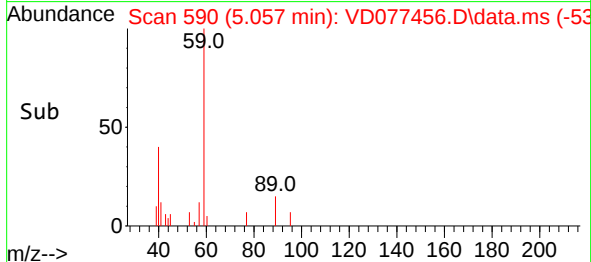
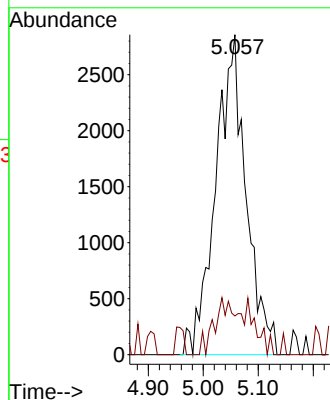
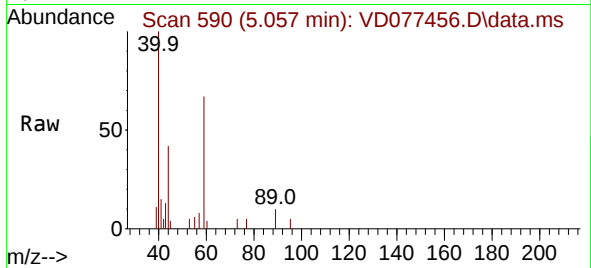
#11
Tert butyl alcohol
Concen: 35.134 ug/l
RT: 5.057 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 59 Resp: 1101
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8

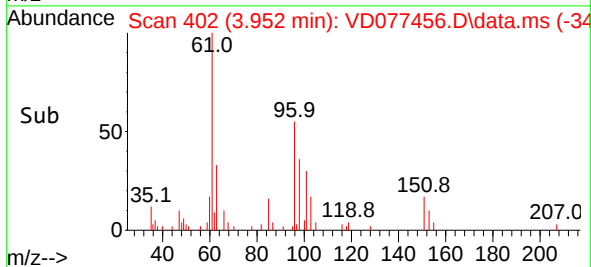
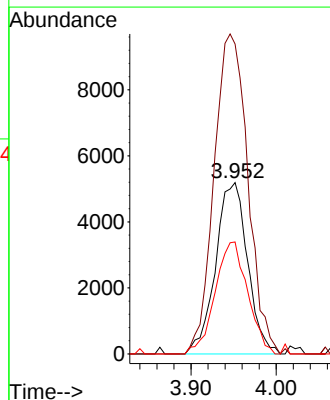
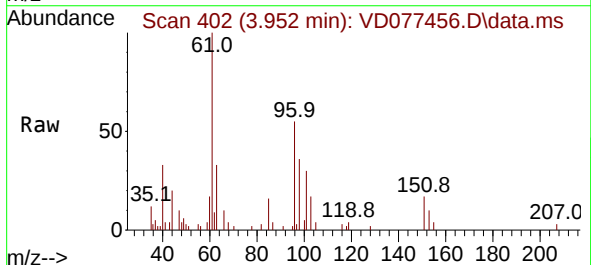
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#12
1,1-Dichloroethene
Concen: 4.839 ug/l
RT: 3.952 min Scan# 402
Delta R.T. 0.012 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

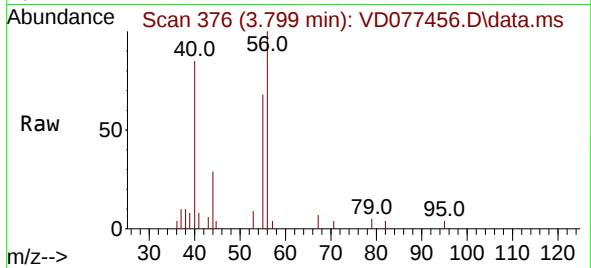
Tgt Ion: 96 Resp: 13528
Ion Ratio Lower Upper
96 100
61 180.9 100.6 150.8#
98 65.3 50.2 75.2





#13
Acrolein
Concen: 27.788 ug/l
RT: 3.799 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

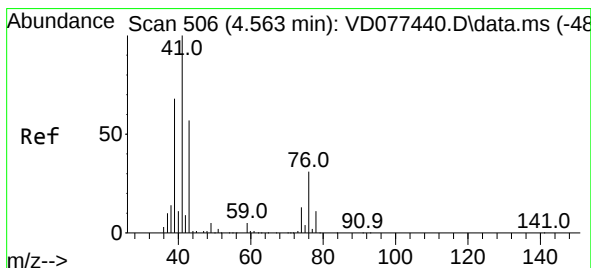
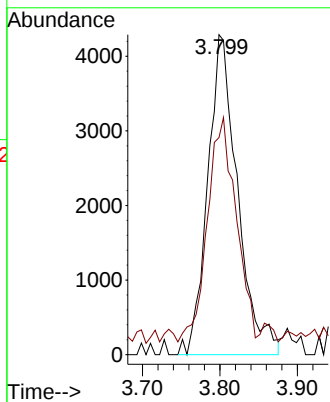
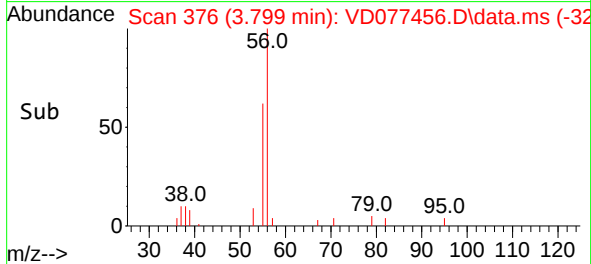
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 56 Resp: 11484
Ion Ratio Lower Upper
56 100
55 67.9 55.1 82.7

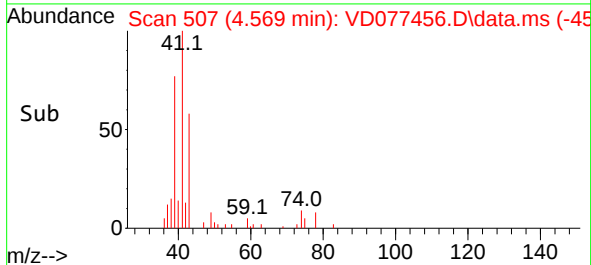
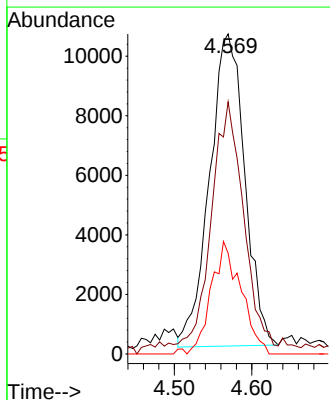
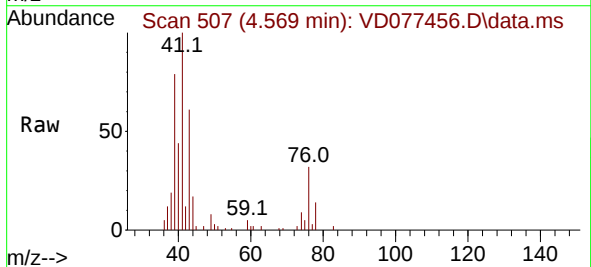
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#14
Allyl chloride
Concen: 4.912 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

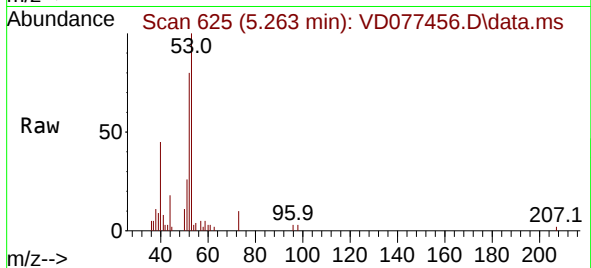
Tgt Ion: 41 Resp: 33127
Ion Ratio Lower Upper
41 100
39 71.2 53.8 80.6
76 30.5 45.8 68.8#





#15
Acrylonitrile
Concen: 27.310 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

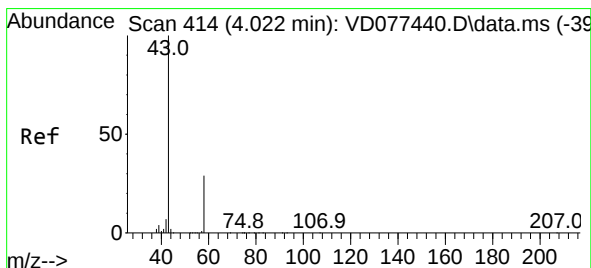
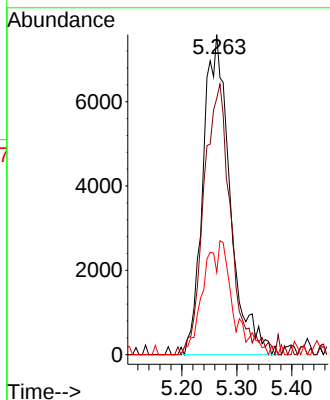
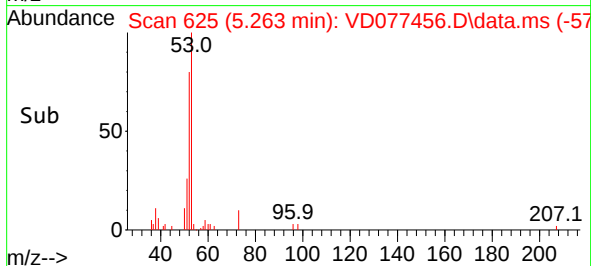
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 53 Resp: 2595
Ion Ratio Lower Upper
53 100
52 84.1 65.0 97.4
51 19.2 28.3 42.5

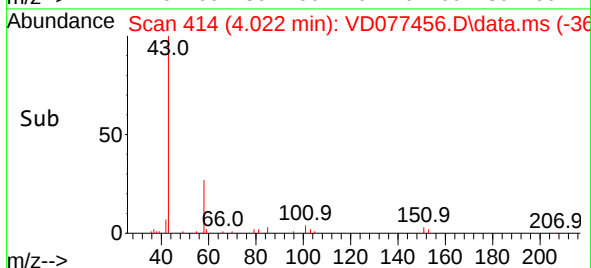
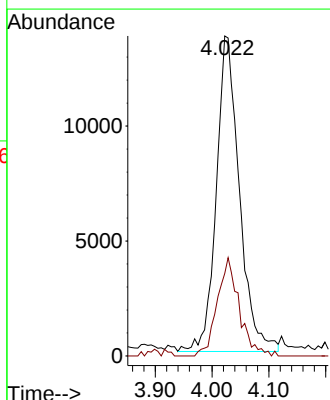
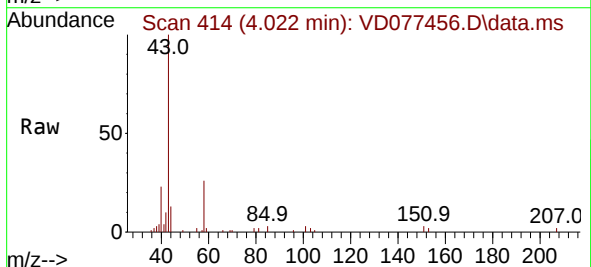
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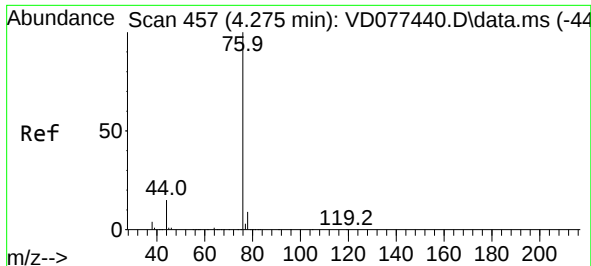
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#16
Acetone
Concen: 37.143 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion: 43 Resp: 38885
Ion Ratio Lower Upper
43 100
58 26.2 34.7 52.1





#17

Carbon Disulfide

Concen: 6.974 ug/l

RT: 4.281 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 76 Resp: 3000

Ion Ratio Lower Upper

76 100

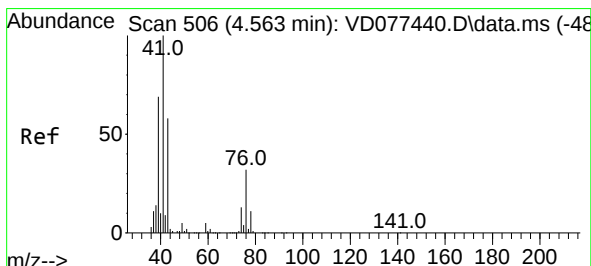
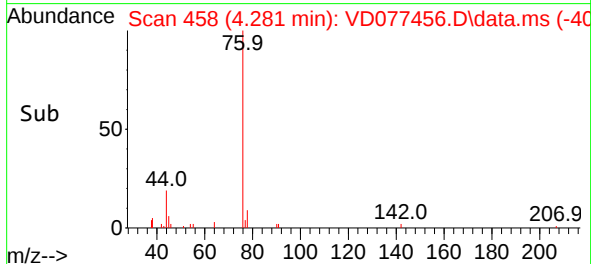
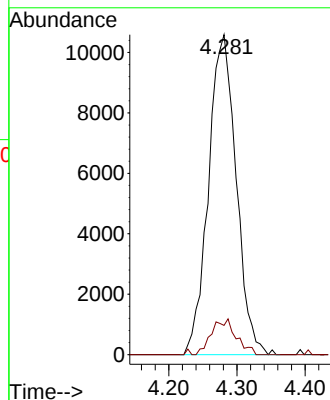
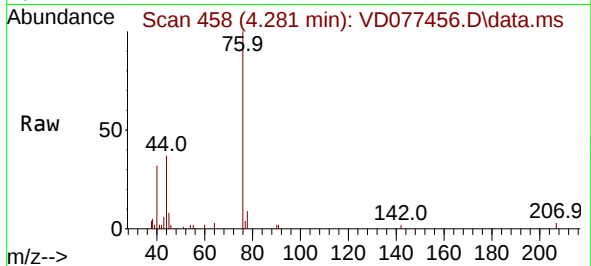
78 9.2 6.8 10.2

Manual Integrations

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Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#18

Methyl Acetate

Concen: 5.282 ug/l

RT: 4.575 min Scan# 508

Delta R.T. 0.012 min

Lab File: VD077456.D

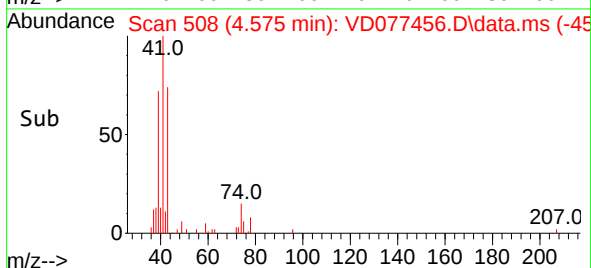
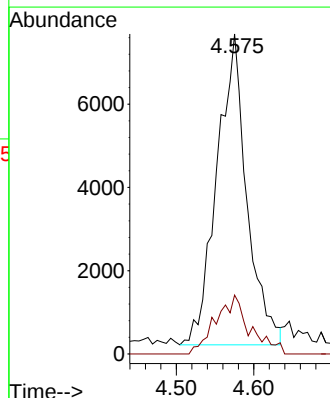
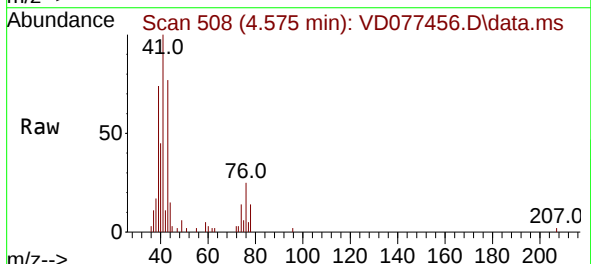
Acq: 31 Oct 2023 13:04

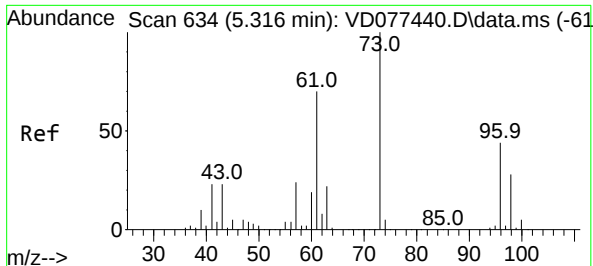
Tgt Ion: 43 Resp: 20170

Ion Ratio Lower Upper

43 100

74 21.5 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 5.429 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 73 Resp: 4764

Ion Ratio Lower Upper

73 100

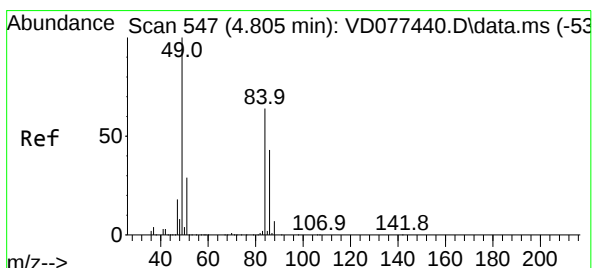
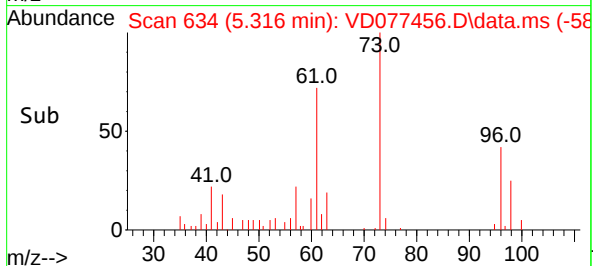
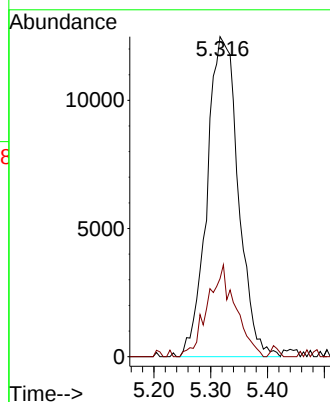
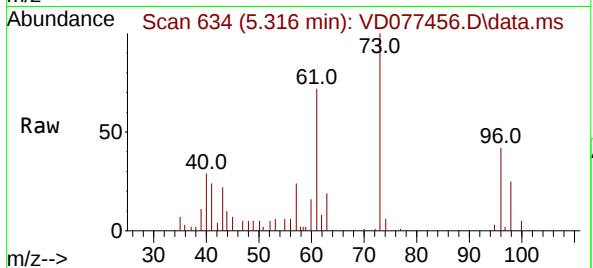
57 24.4 16.6 25.0

Manual Integrations

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Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#20

Methylene Chloride

Concen: 6.393 ug/l

RT: 4.810 min Scan# 548

Delta R.T. 0.005 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

Tgt Ion: 84 Resp: 33458

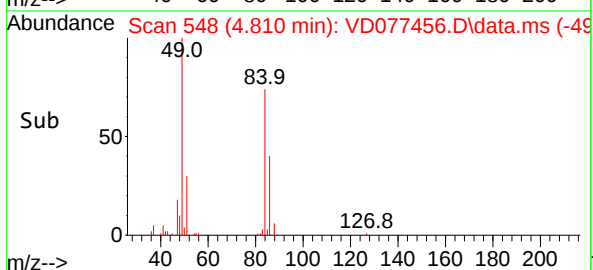
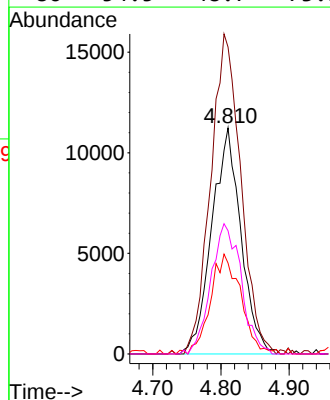
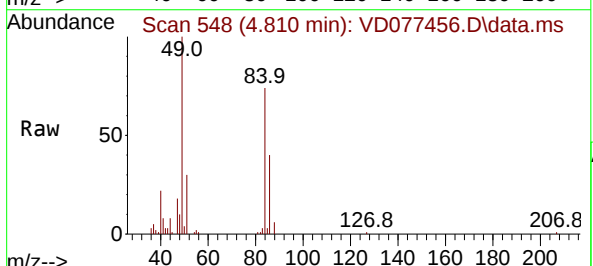
Ion Ratio Lower Upper

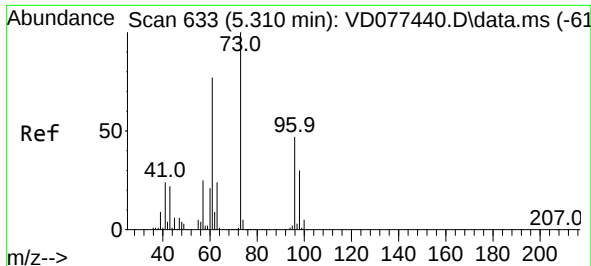
84 100

49 135.7 71.4 107.2#

51 40.2 24.5 36.7#

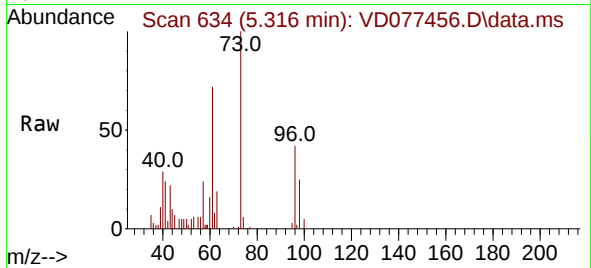
86 54.5 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 5.113 ug/l
RT: 5.316 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

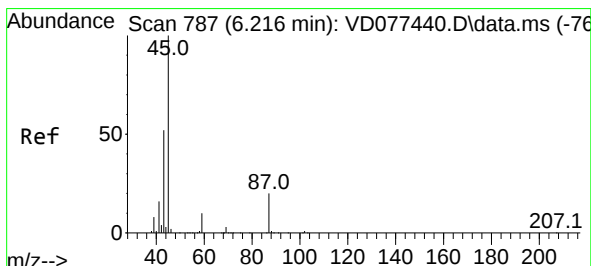
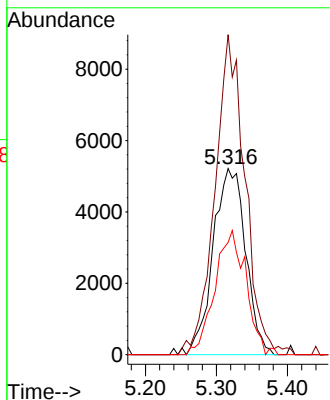
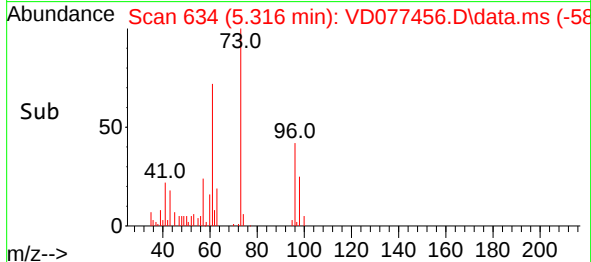
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 96 Resp: 16640
Ion Ratio Lower Upper
96 100
61 171.9 89.3 133.9
98 60.4 48.6 73.0

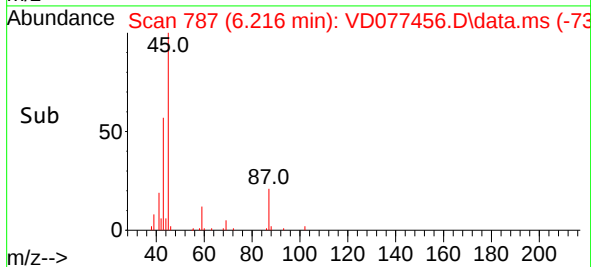
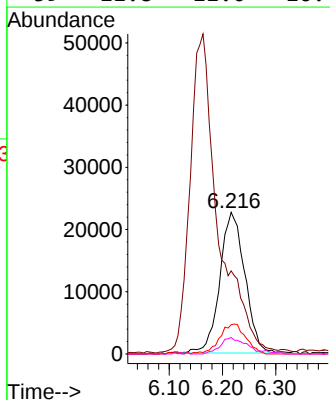
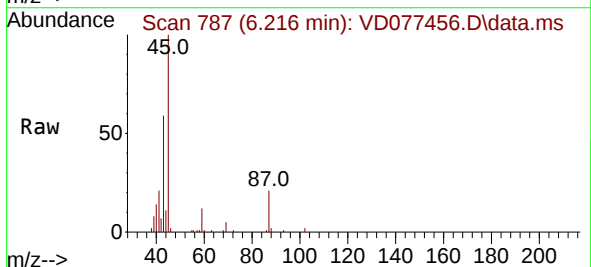
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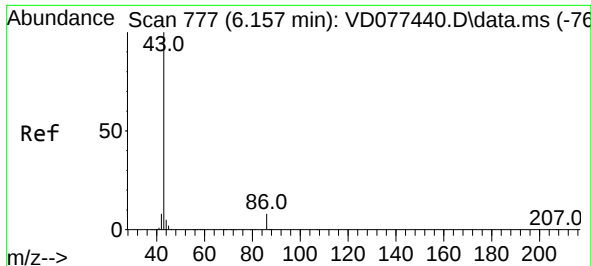
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#22
Diisopropyl ether
Concen: 5.147 ug/l
RT: 6.216 min Scan# 787
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

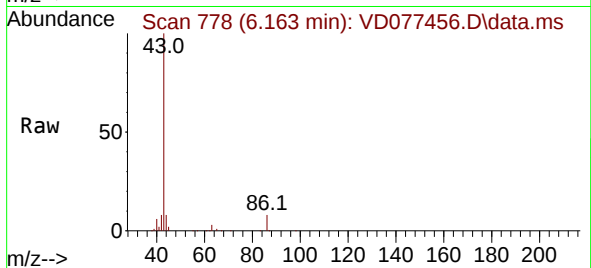
Tgt Ion: 45 Resp: 73776
Ion Ratio Lower Upper
45 100
43 56.5 40.0 60.0
87 20.8 28.2 42.4
59 11.8 11.0 16.4





#23
 Vinyl Acetate
 Concen: 26.172 ug/l m
 RT: 6.163 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD077456.D
 Acq: 31 Oct 2023 13:04

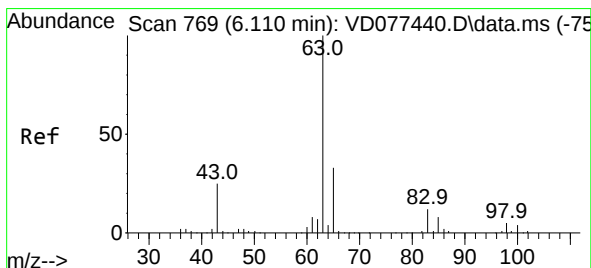
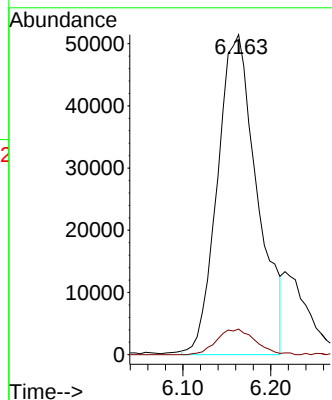
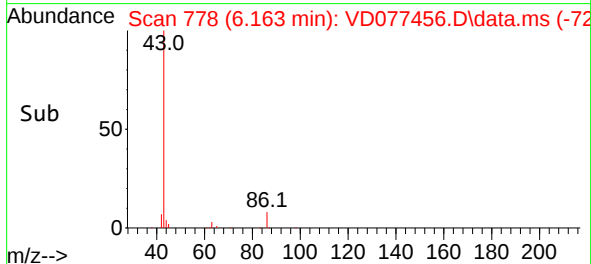
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023



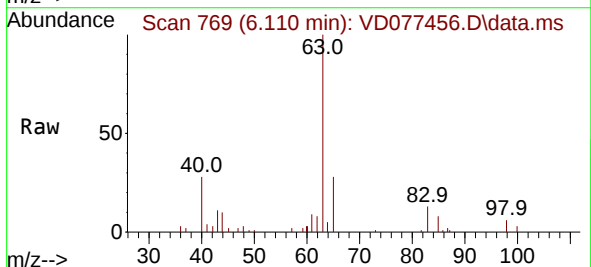
Tgt Ion: 43 Resp: 161834
 Ion Ratio Lower Upper
 43 100
 86 8.0 12.5 18.75

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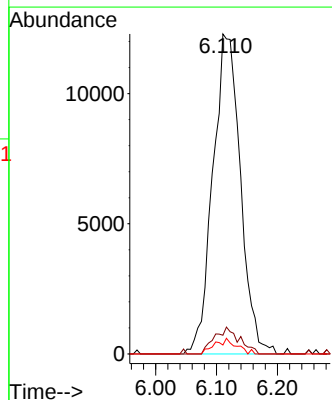
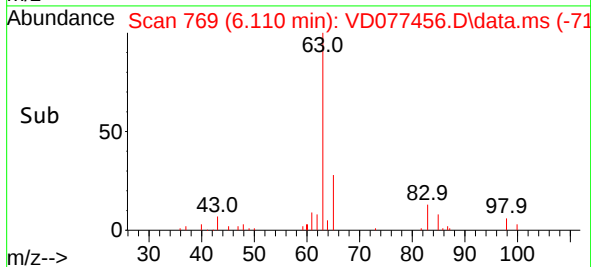
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023



#24
 1,1-Dichloroethane
 Concen: 5.204 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: VD077456.D
 Acq: 31 Oct 2023 13:04



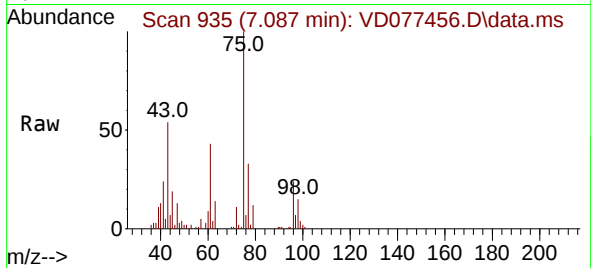
Tgt Ion: 63 Resp: 38699
 Ion Ratio Lower Upper
 63 100
 98 5.9 4.5 13.7
 100 2.8 2.5 7.5





#25
2-Butanone
Concen: 34.868 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

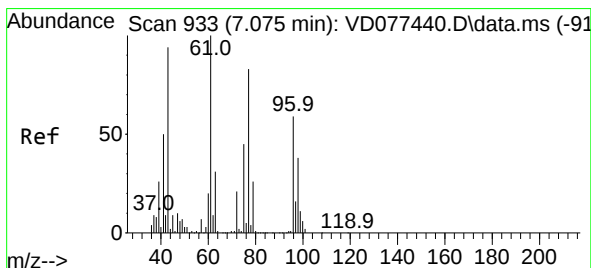
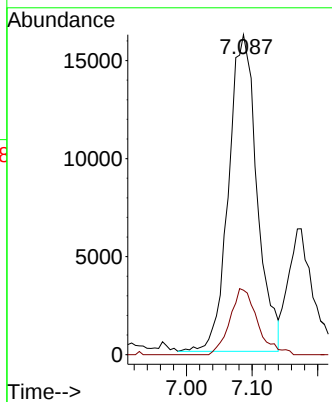
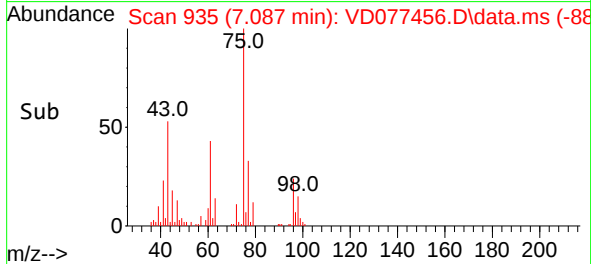
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 43 Resp: 48689
Ion Ratio Lower Upper
43 100
72 20.4 30.7 46.1

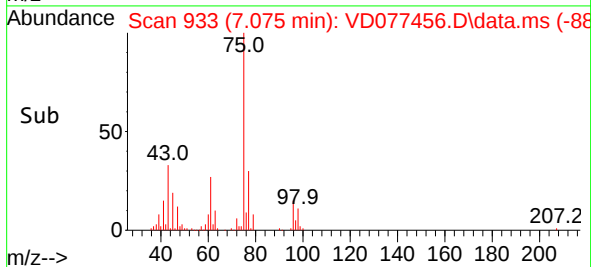
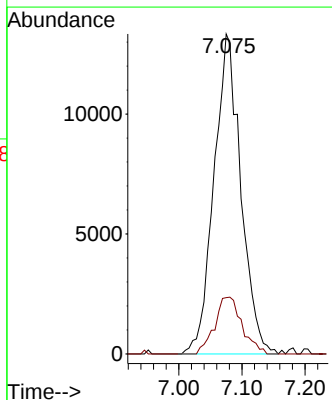
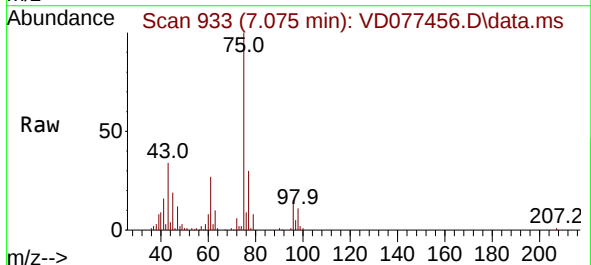
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#26
2,2-Dichloropropane
Concen: 5.986 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

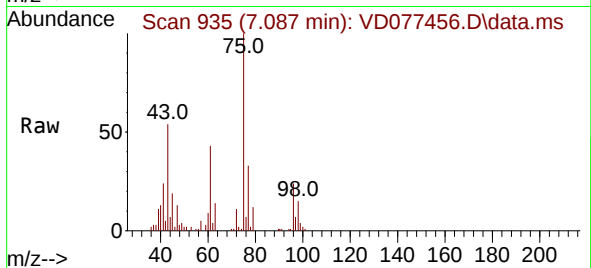
Tgt Ion: 77 Resp: 39453
Ion Ratio Lower Upper
77 100
97 18.0 13.2 39.6





#27
 cis-1,2-Dichloroethene
 Concen: 5.138 ug/l
 RT: 7.087 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD077456.D
 Acq: 31 Oct 2023 13:04

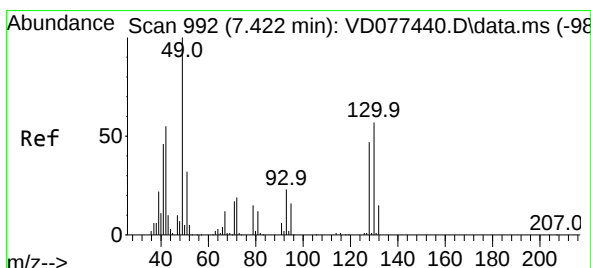
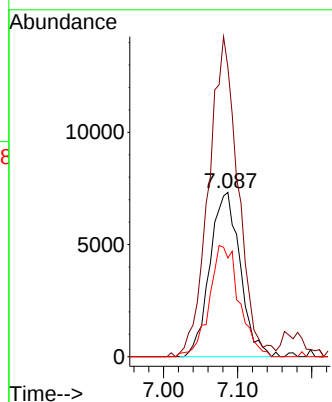
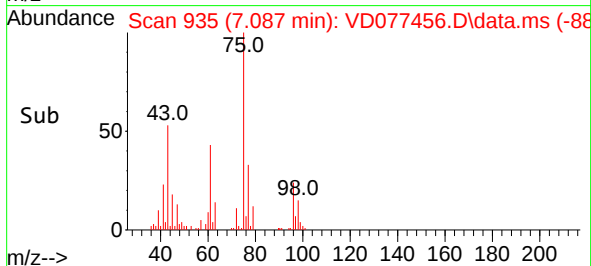
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023



Tgt Ion: 96 Resp: 2072
 Ion Ratio Lower Upper
 96 100
 61 190.9 0.0 239.2
 98 66.9 0.0 128.6

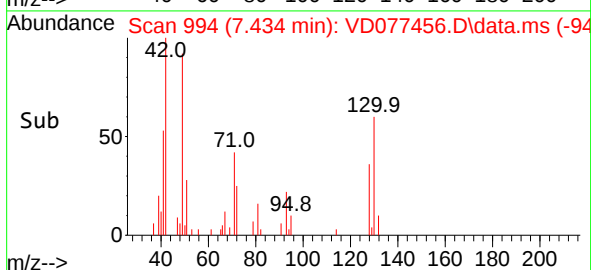
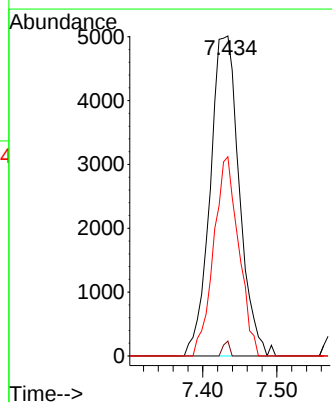
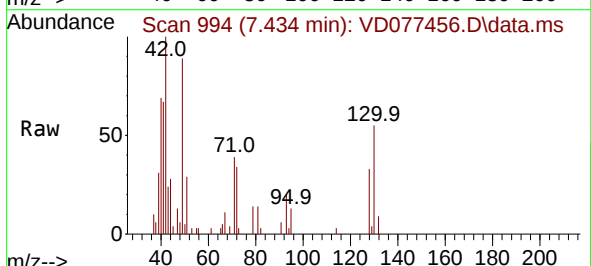
Manual Integrations
 APPROVED

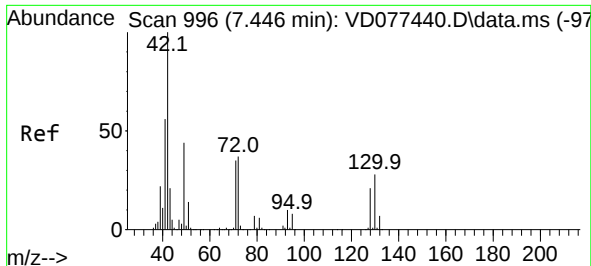
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023



#28
 Bromochloromethane
 Concen: 6.000 ug/l
 RT: 7.434 min Scan# 994
 Delta R.T. 0.012 min
 Lab File: VD077456.D
 Acq: 31 Oct 2023 13:04

Tgt Ion: 49 Resp: 13709
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 6.0
 130 53.4 83.2 124.8#





#29

Tetrahydrofuran

Concen: 29.353 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.000 min

Lab File: VD077456.D

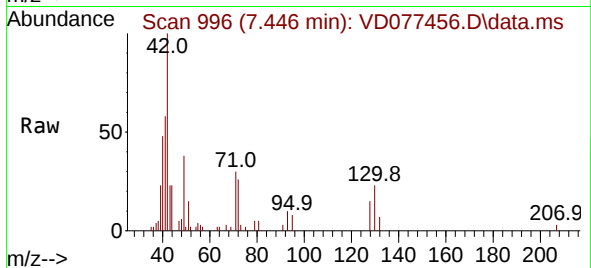
Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

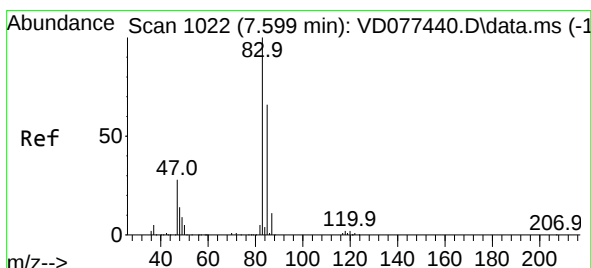
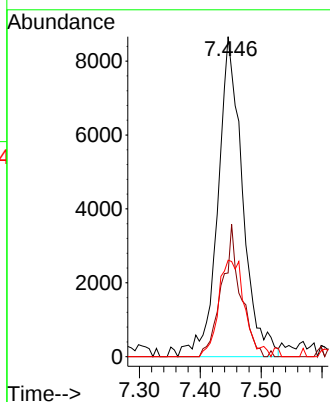
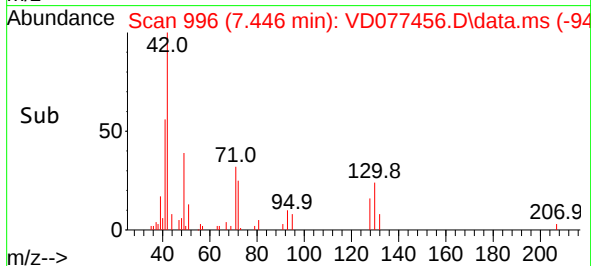
LOQ-SOIL-02-QT4-2023



Tgt Ion:	42	Resp:	24310
Ion Ratio	Lower	Upper	
42	100		
72	31.6	46.5	69.7
71	32.1	44.5	66.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#30

Chloroform

Concen: 5.288 ug/l

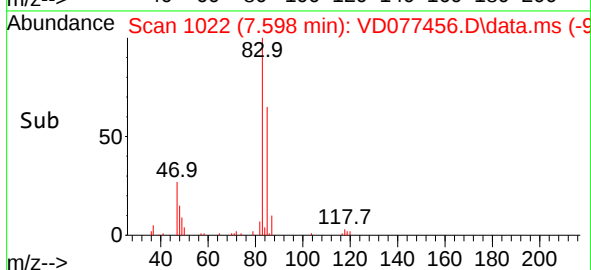
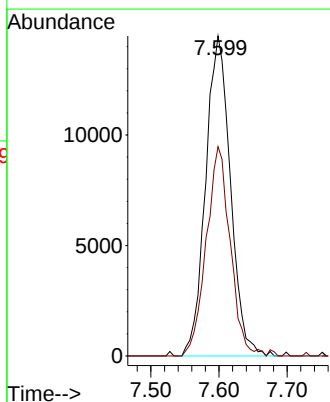
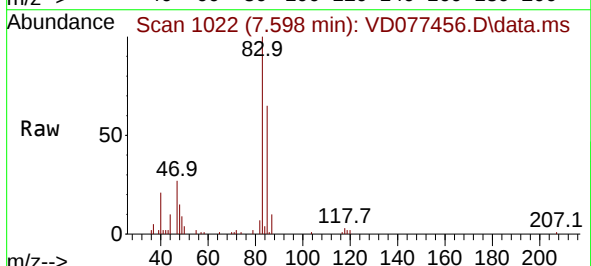
RT: 7.598 min Scan# 1022

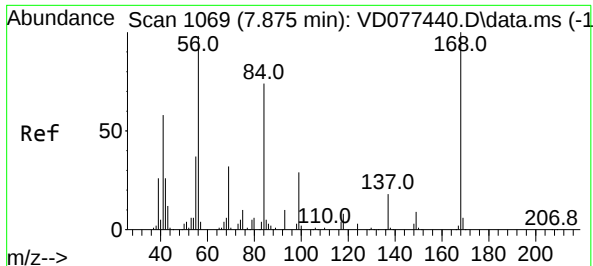
Delta R.T. -0.000 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

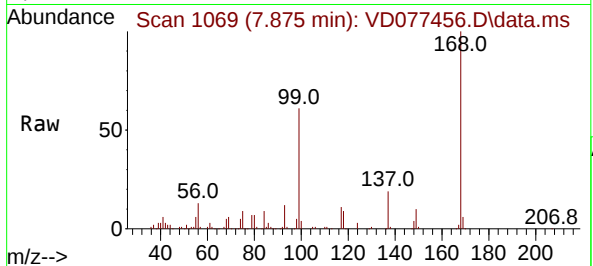
Tgt Ion:	83	Resp:	36719
Ion Ratio	Lower	Upper	
83	100		
85	65.4	53.4	80.2





#31
Cyclohexane
Concen: 5.855 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

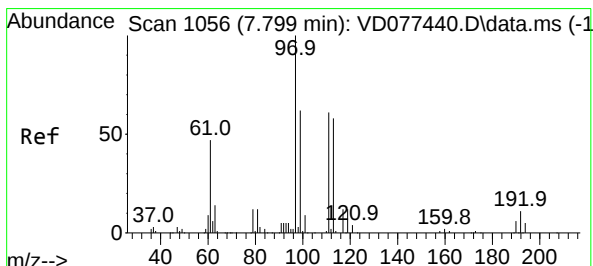
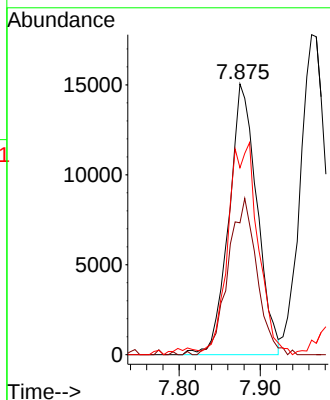
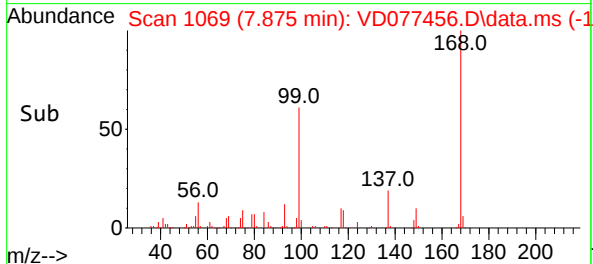
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 56 Resp: 36210
Ion Ratio Lower Upper
56 100
69 48.7 28.6 43.0
84 66.7 84.8 127.2

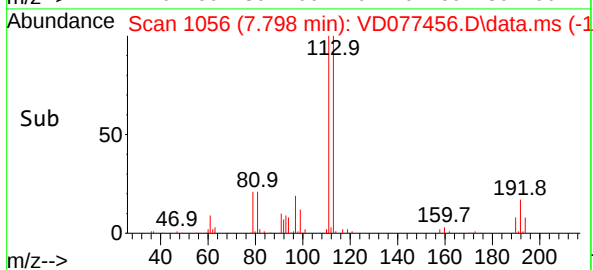
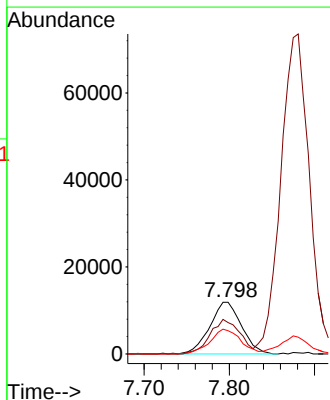
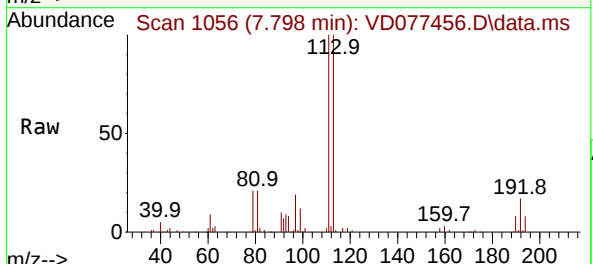
Manual Integrations
APPROVED

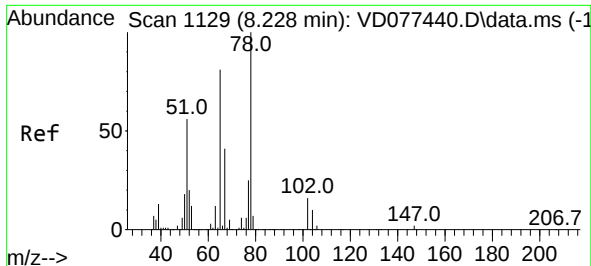
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#32
1,1,1-Trichloroethane
Concen: 5.364 ug/l
RT: 7.798 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion: 97 Resp: 30689
Ion Ratio Lower Upper
97 100
99 62.9 52.0 78.0
61 45.7 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 50.531 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 65 Resp: 199920

Ion Ratio Lower Upper

65 100

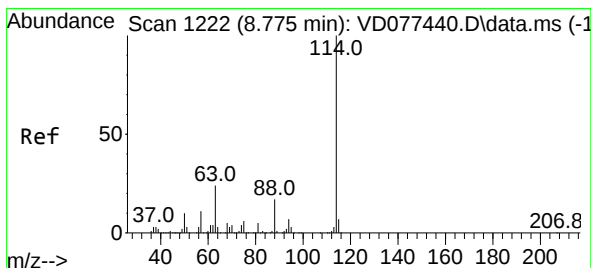
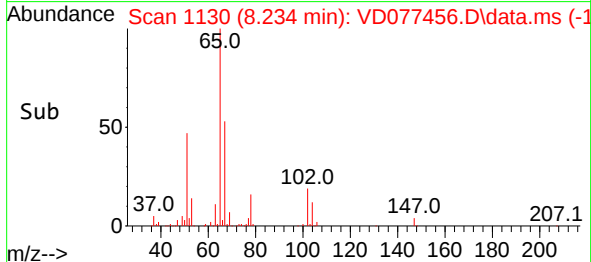
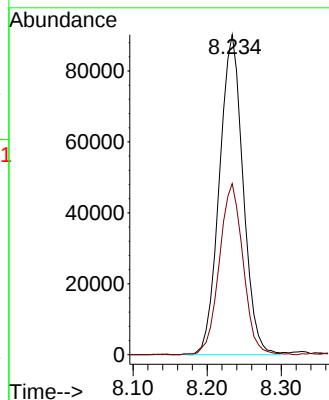
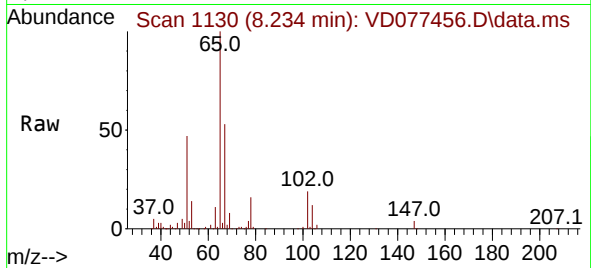
67 53.7 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

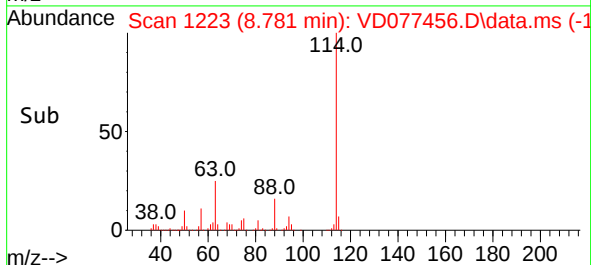
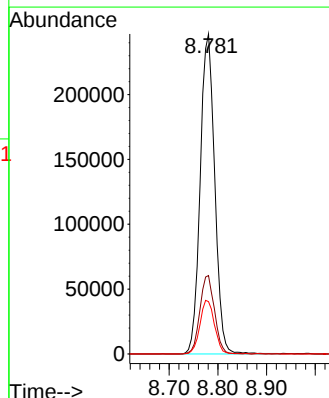
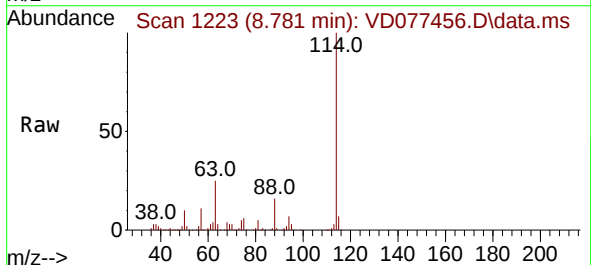
Tgt Ion:114 Resp: 511838

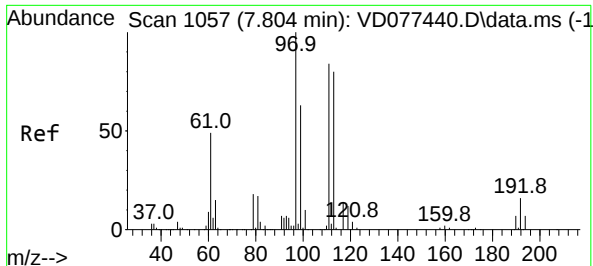
Ion Ratio Lower Upper

114 100

63 24.5 0.0 33.4

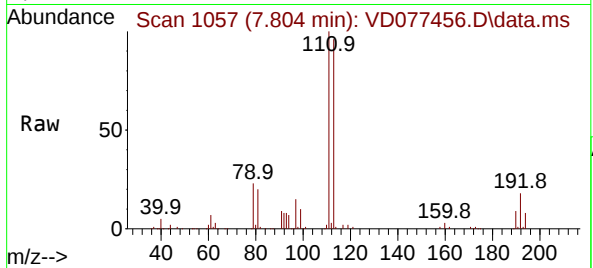
88 16.4 0.0 26.2





#35
Dibromofluoromethane
Concen: 48.354 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

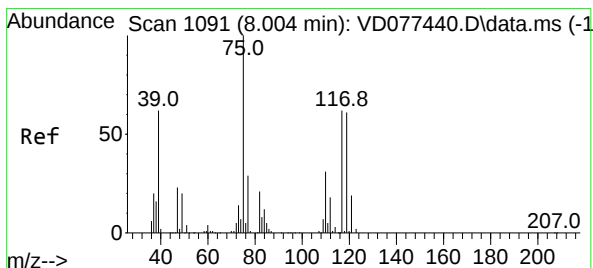
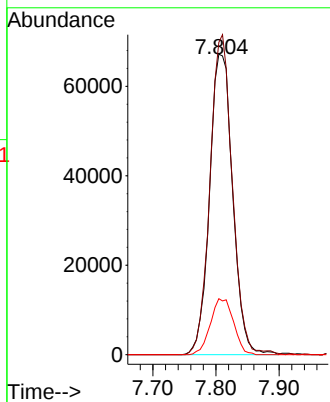
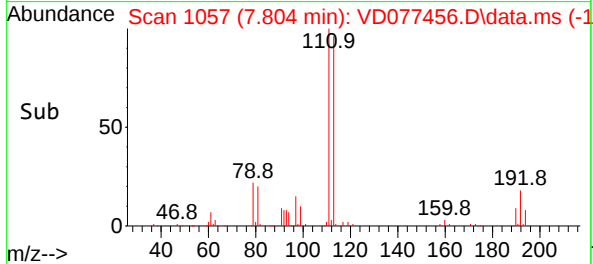
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 113 Resp: 17105
Ion Ratio Lower Upper
113 100
111 102.7 84.7 127.1
192 18.6 16.8 25.2

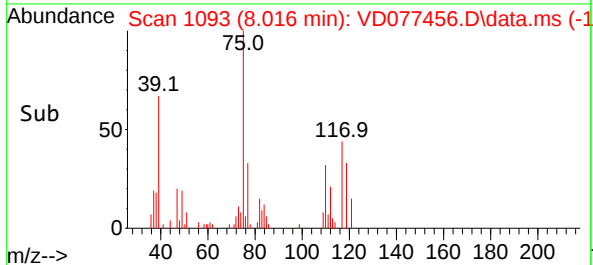
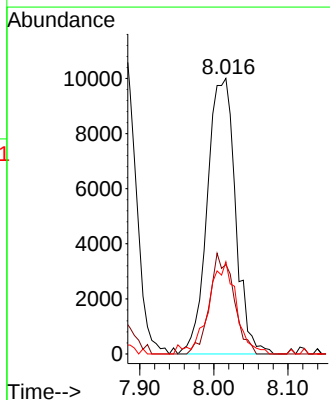
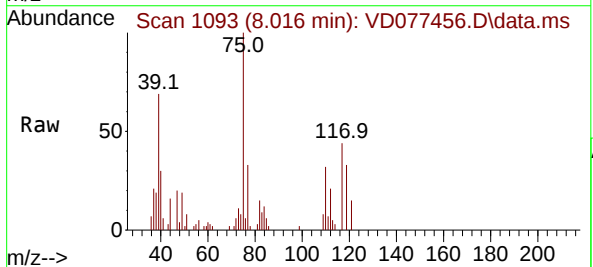
Manual Integrations
APPROVED

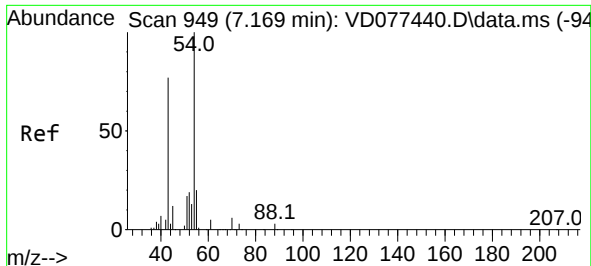
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 8.016 min Scan# 1093
Delta R.T. 0.012 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

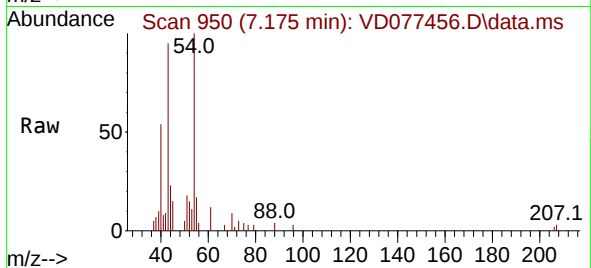
Tgt Ion: 75 Resp: 26423
Ion Ratio Lower Upper
75 100
110 31.4 19.9 59.6
77 33.2 24.7 37.1





#37
Ethyl Acetate
Concen: 5.473 ug/l
RT: 7.175 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

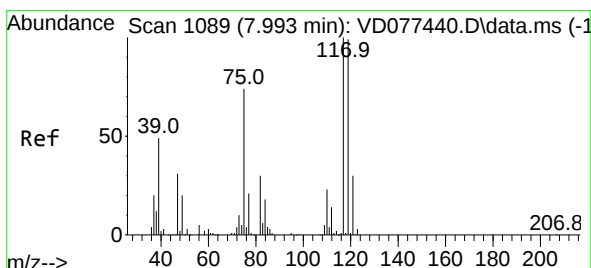
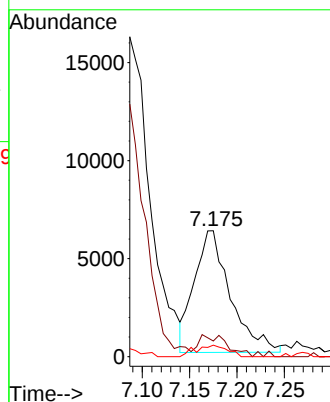
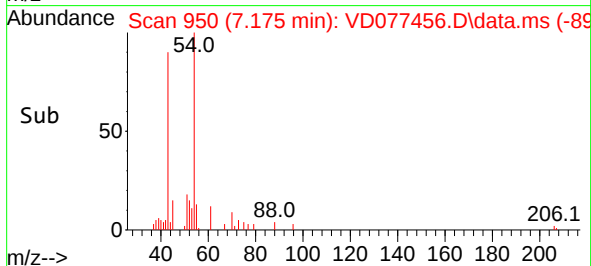
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 43 Resp: 16474
Ion Ratio Lower Upper
43 100
61 14.0 14.9 22.3
70 8.2 10.0 15.0

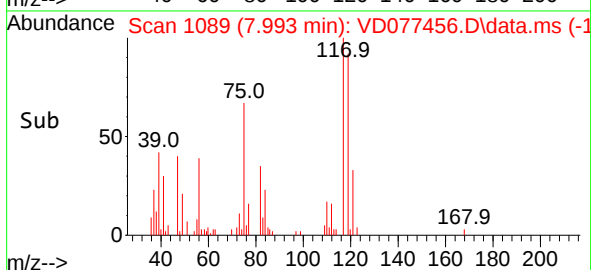
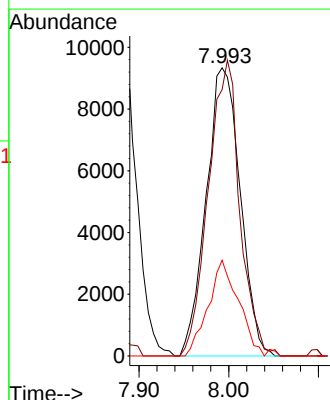
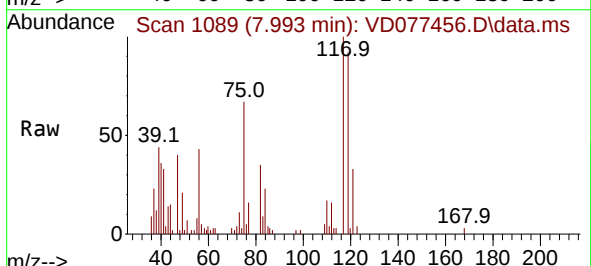
Manual Integrations
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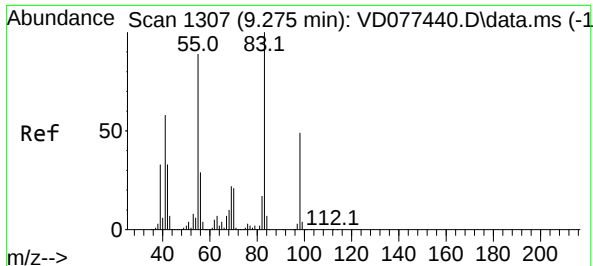
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#38
Carbon Tetrachloride
Concen: 4.992 ug/l
RT: 7.993 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion:117 Resp: 24671
Ion Ratio Lower Upper
117 100
119 92.5 78.0 117.0
121 33.2 24.2 36.2





#39

Methylcyclohexane

Concen: 4.793 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2023

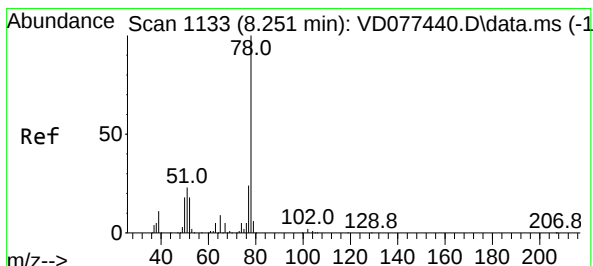
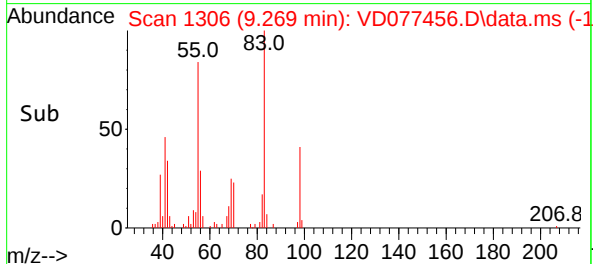
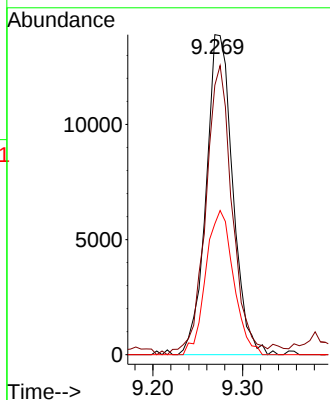
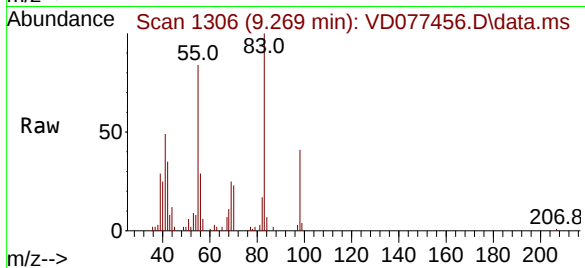
Tgt Ion:	83	Resp:	28680
Ion Ratio	Lower	Upper	
83	100		
55	82.5	49.4	74.0
98	40.9	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#40

Benzene

Concen: 4.941 ug/l

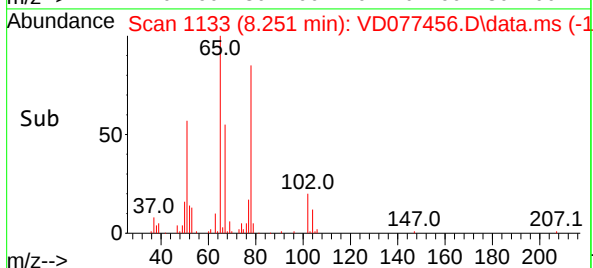
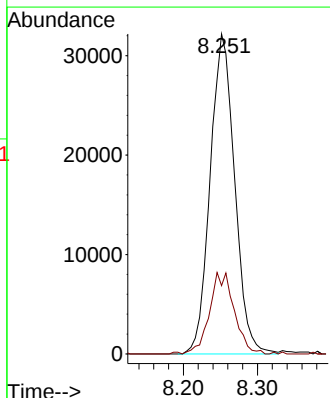
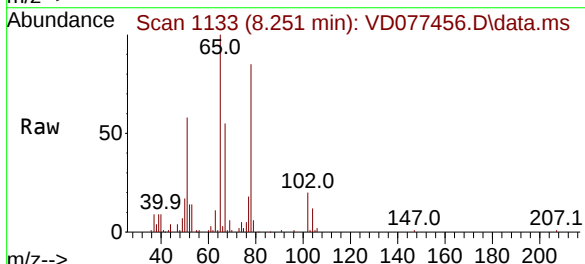
RT: 8.251 min Scan# 1133

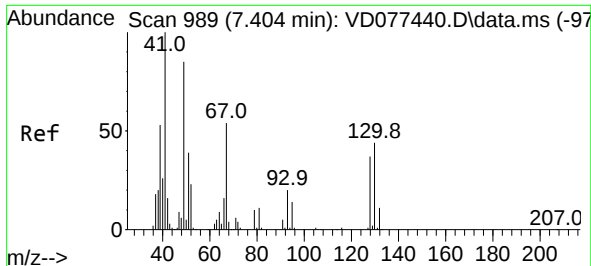
Delta R.T. -0.000 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

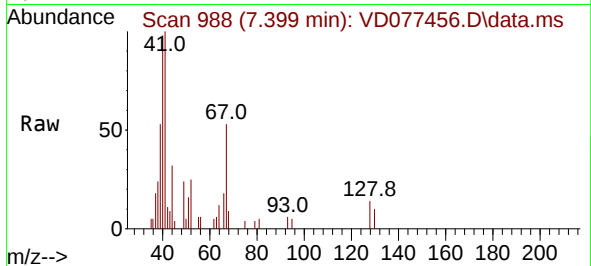
Tgt Ion:	78	Resp:	73894
Ion Ratio	Lower	Upper	
78	100		
77	21.3	19.4	29.0





#41
Methacrylonitrile
Concen: 4.945 ug/l
RT: 7.399 min Scan# 988
Delta R.T. -0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

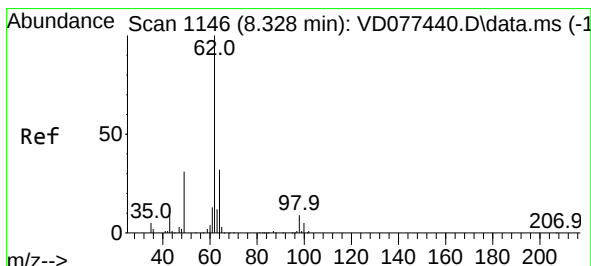
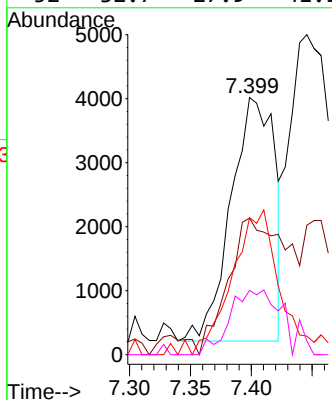
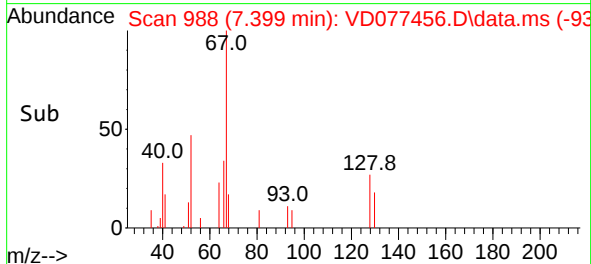
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 41 Resp: 9524
Ion Ratio Lower Upper
41 100
39 77.1 34.0 51.0
67 65.6 77.0 115.4
52 32.7 27.9 41.9

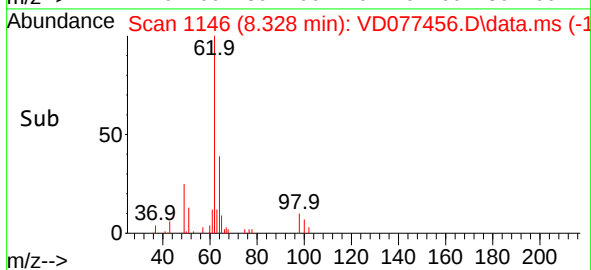
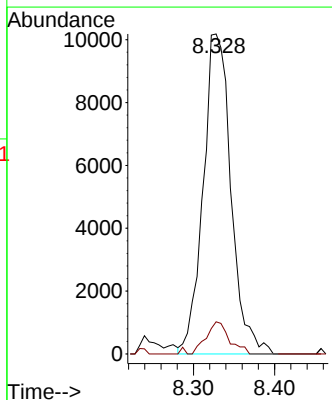
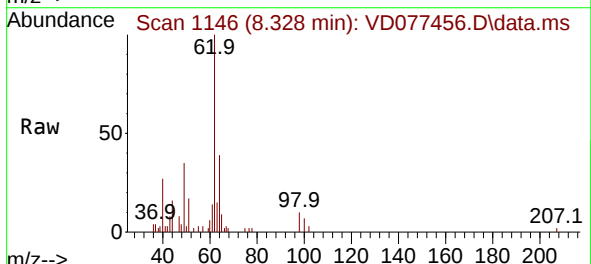
Manual Integrations
APPROVED

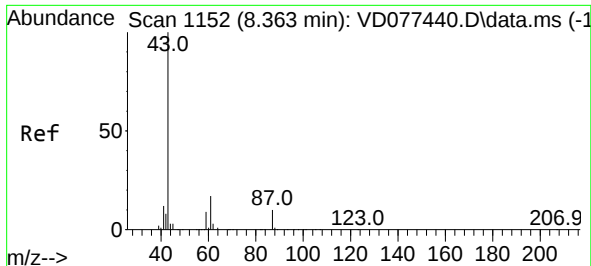
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#42
1,2-Dichloroethane
Concen: 5.133 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

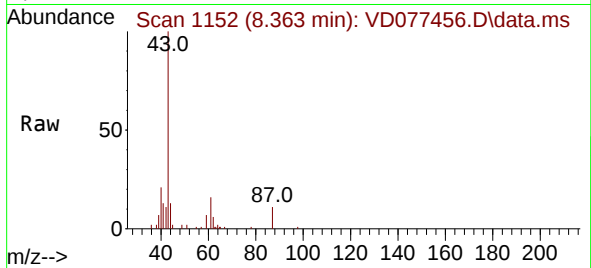
Tgt Ion: 62 Resp: 24315
Ion Ratio Lower Upper
62 100
98 8.3 0.0 25.4





#43
Isopropyl Acetate
Concen: 5.039 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

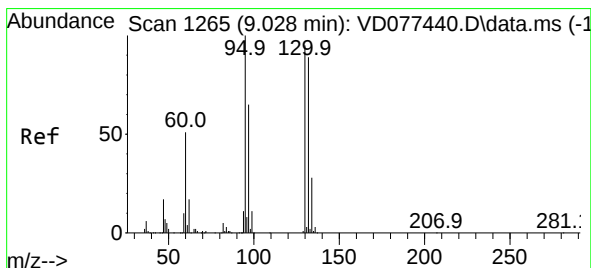
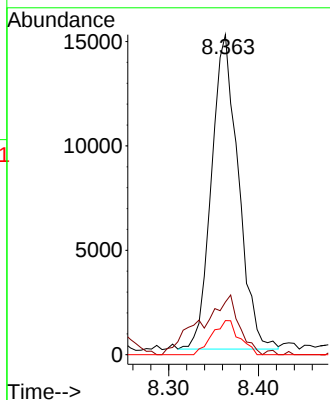
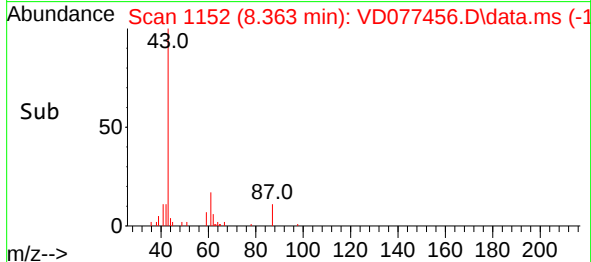
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2023



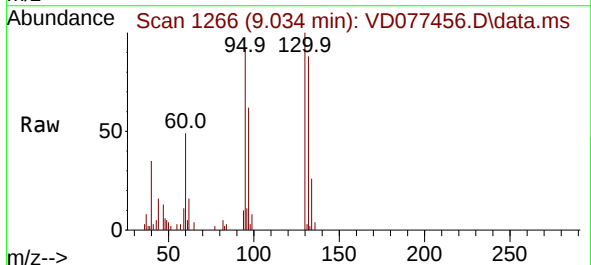
Tgt Ion: 43 Resp: 31298
Ion Ratio Lower Upper
43 100
61 26.8 31.4 47.0
87 10.9 14.9 22.3

Manual Integrations
APPROVED

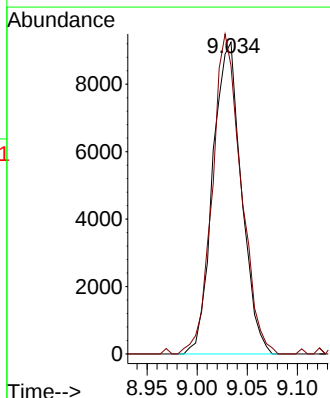
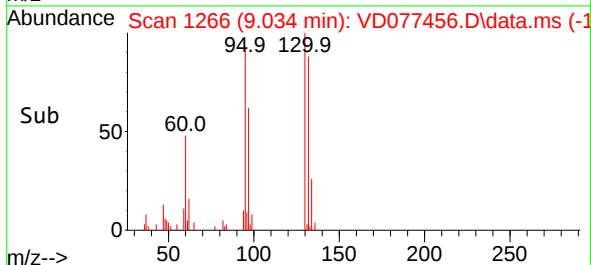
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

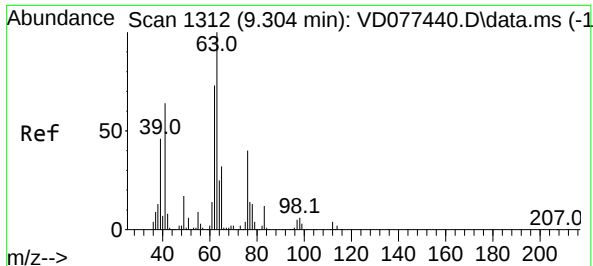


#44
Trichloroethene
Concen: 5.015 ug/l
RT: 9.034 min Scan# 1266
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04



Tgt Ion:130 Resp: 18375
Ion Ratio Lower Upper
130 100
95 92.4 0.0 179.2





#45

1,2-Dichloropropane

Concen: 5.394 ug/l

RT: 9.310 min Scan# 1313

Delta R.T. 0.006 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 63 Resp: 2375

Ion Ratio Lower Upper

63 100

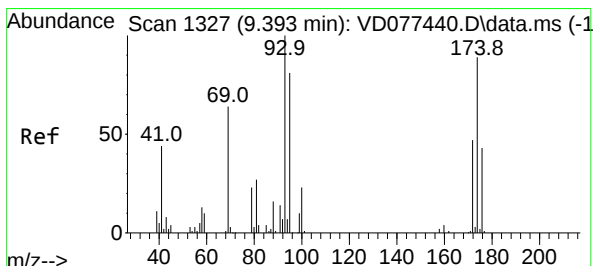
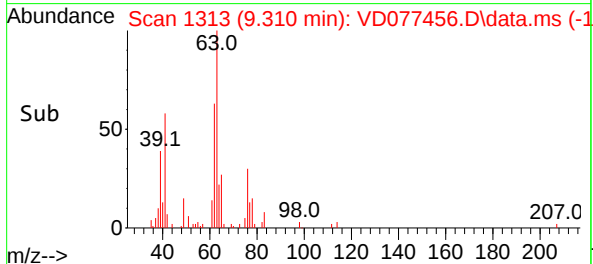
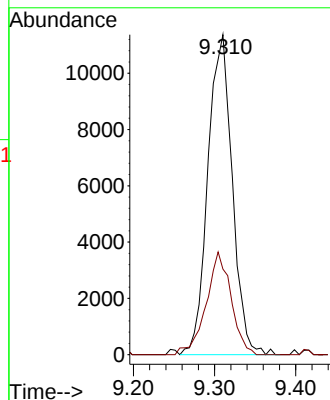
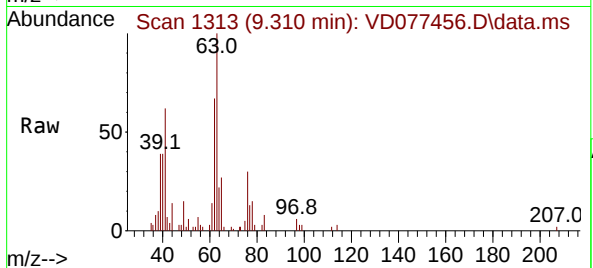
65 26.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#46

Dibromomethane

Concen: 4.895 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

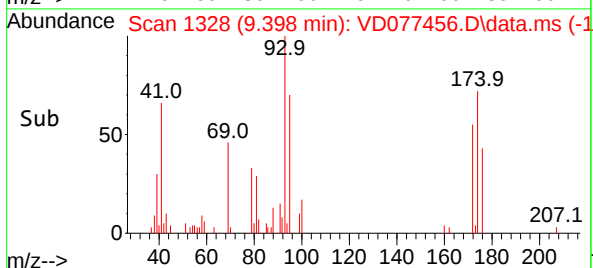
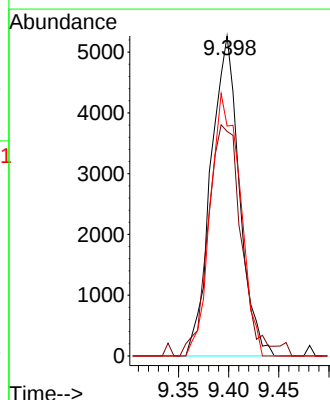
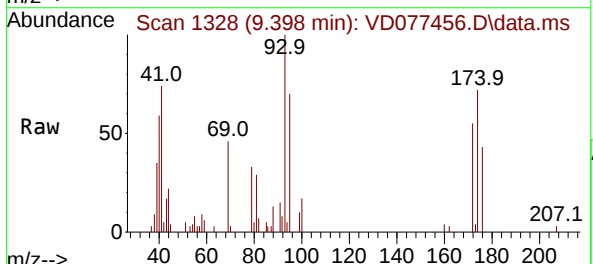
Tgt Ion: 93 Resp: 10373

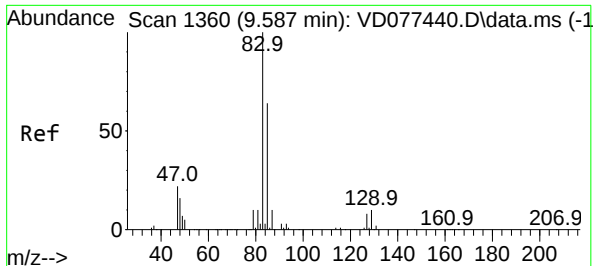
Ion Ratio Lower Upper

93 100

95 84.9 67.7 101.5

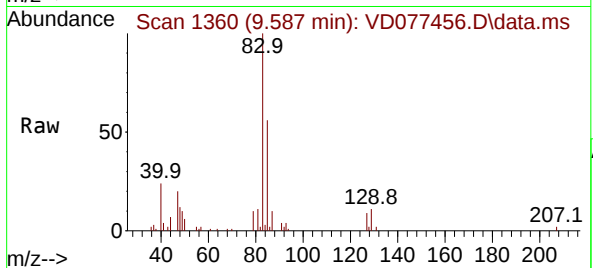
174 85.9 85.4 128.2





#47
Bromodichloromethane
Concen: 5.070 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

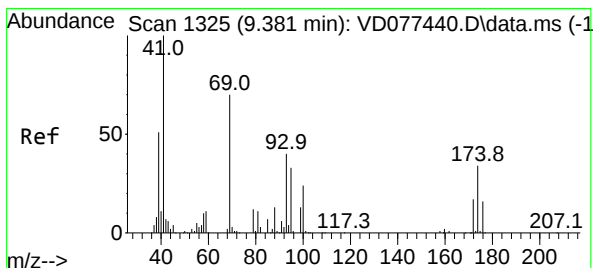
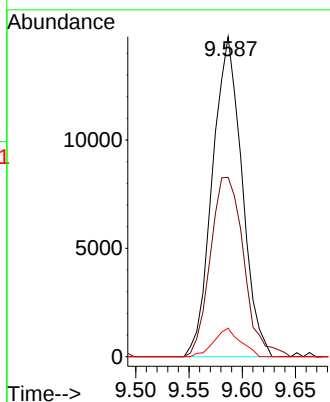
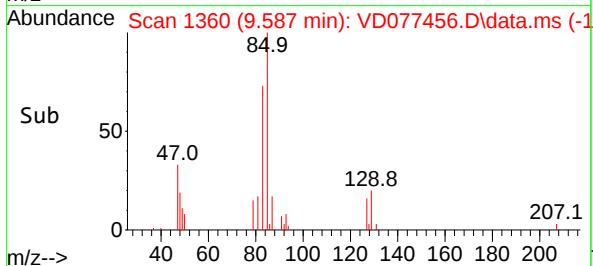
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 83 Resp: 28399
Ion Ratio Lower Upper
83 100
85 56.0 50.2 75.4
127 8.9 6.3 9.5

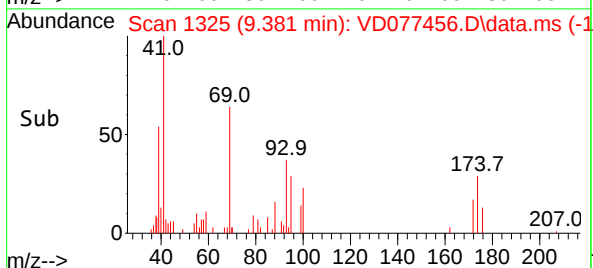
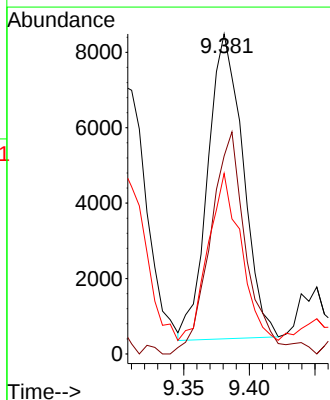
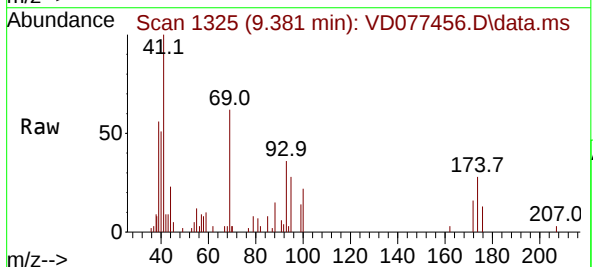
Manual Integrations
APPROVED

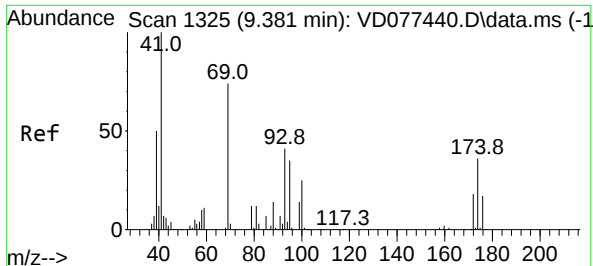
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#48
Methyl methacrylate
Concen: 5.107 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

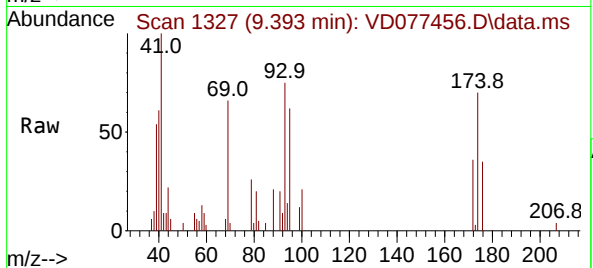
Tgt Ion: 41 Resp: 15143
Ion Ratio Lower Upper
41 100
69 73.1 102.2 153.2#
39 51.1 41.4 62.2





#49
1,4-Dioxane
Concen: 95.038 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. 0.012 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

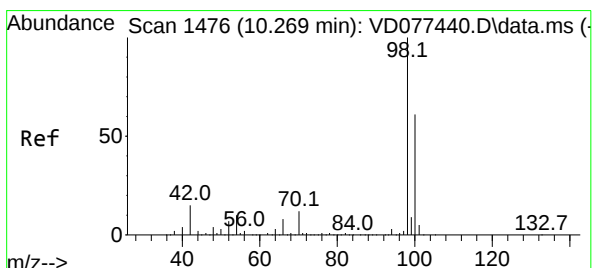
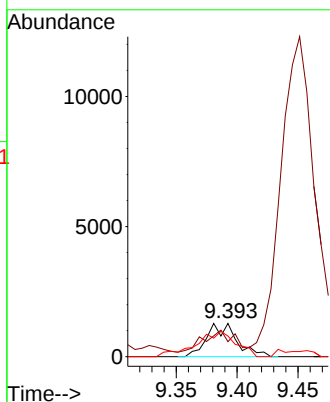
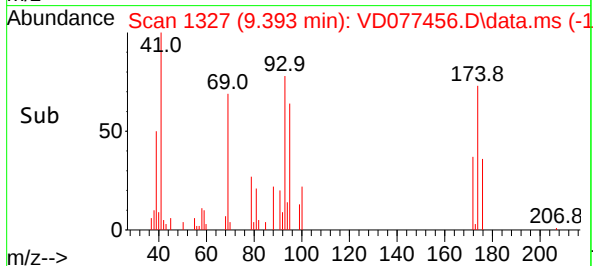
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 88 Resp: 2164
Ion Ratio Lower Upper
88 100
43 65.2 19.0 28.6
58 102.5 43.5 65.3

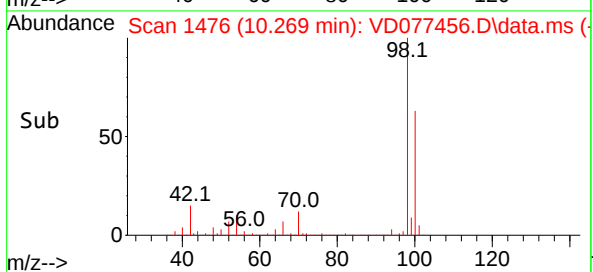
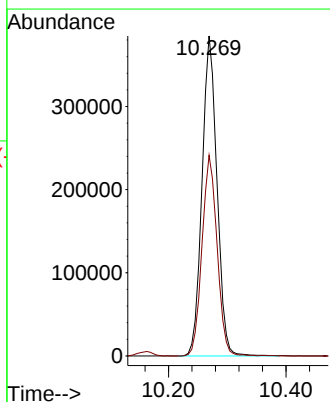
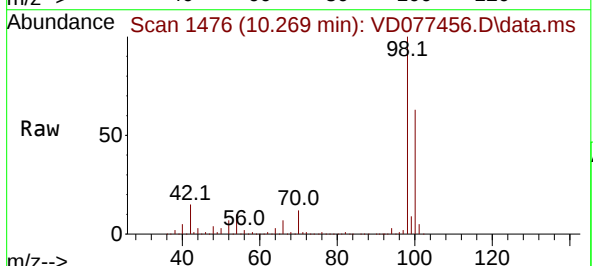
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#50
Toluene-d8
Concen: 49.469 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

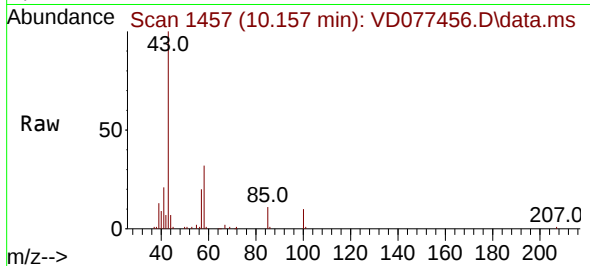
Tgt Ion: 98 Resp: 679750
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5





#51
4-Methyl-2-Pentanone
Concen: 25.927 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

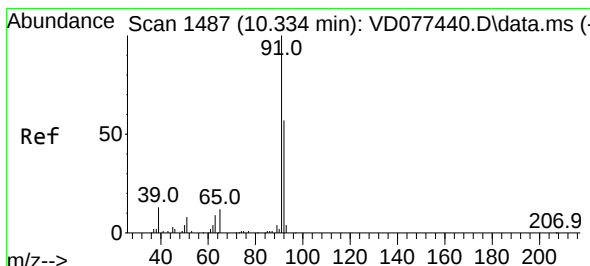
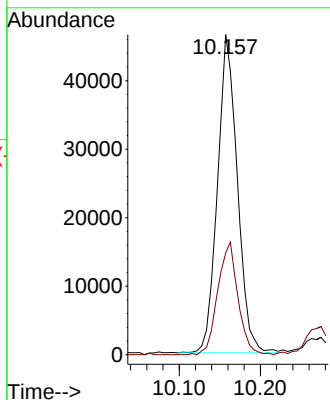
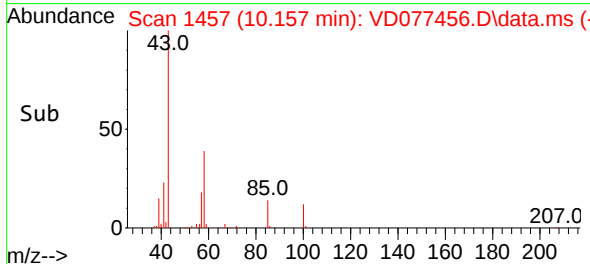
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 43 Resp: 7927
Ion Ratio Lower Upper
43 100
58 35.8 38.9 58.3

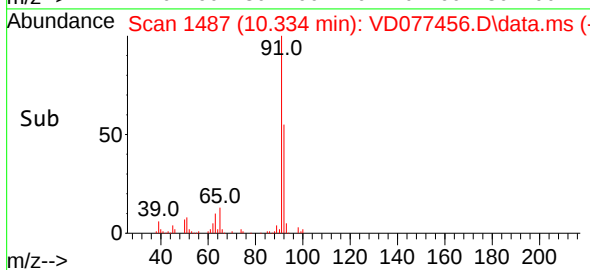
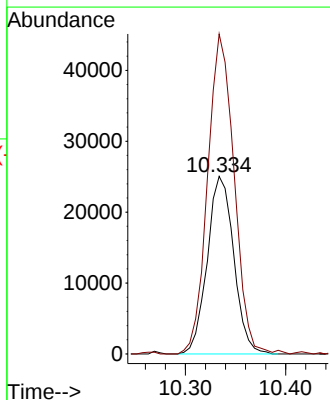
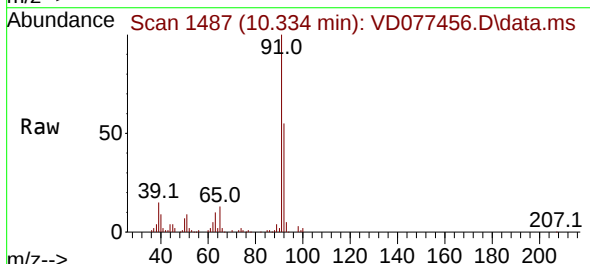
Manual Integrations
APPROVED

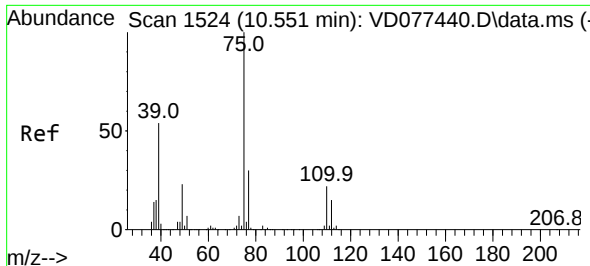
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#52
Toluene
Concen: 5.048 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

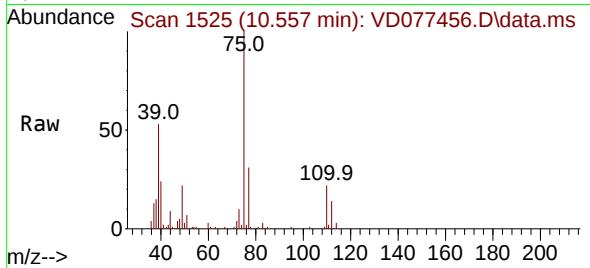
Tgt Ion: 92 Resp: 46027
Ion Ratio Lower Upper
92 100
91 180.4 143.0 214.4





#53
t-1,3-Dichloropropene
Concen: 5.456 ug/l
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

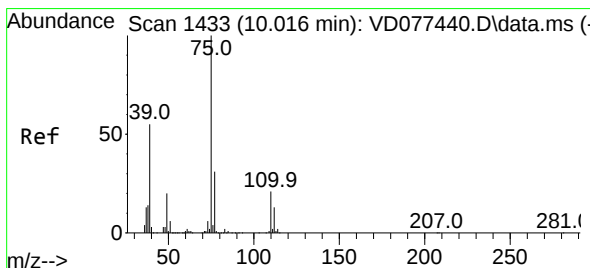
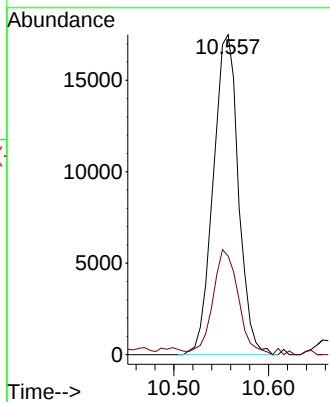
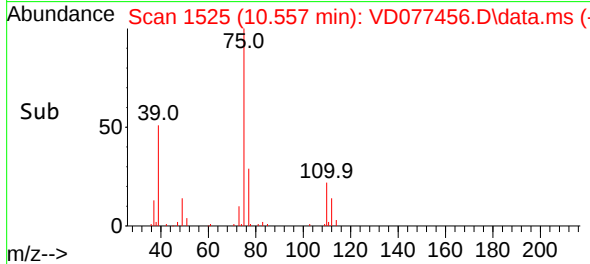
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 75 Resp: 3236
Ion Ratio Lower Upper
75 100
77 29.2 25.3 37.9

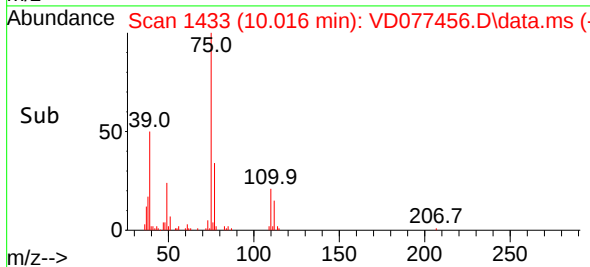
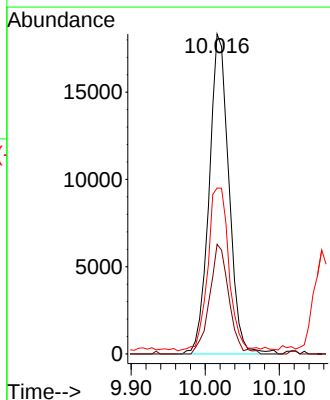
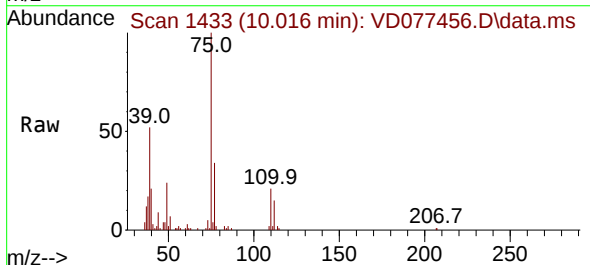
Manual Integrations
APPROVED

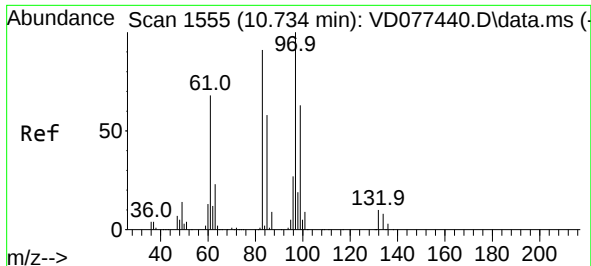
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#54
cis-1,3-Dichloropropene
Concen: 4.979 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

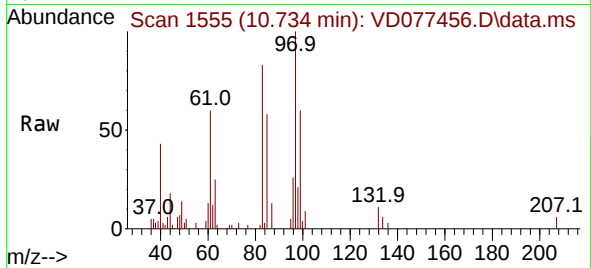
Tgt Ion: 75 Resp: 33980
Ion Ratio Lower Upper
75 100
77 34.3 25.5 38.3
39 50.8 22.1 33.1#





#55
1,1,2-Trichloroethane
Concen: 5.229 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

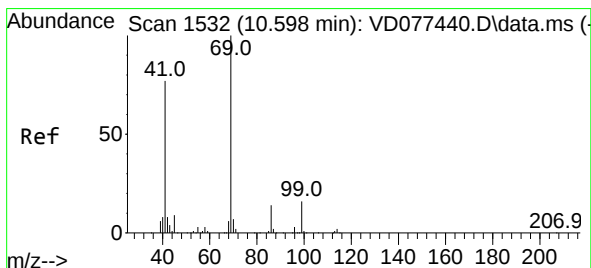
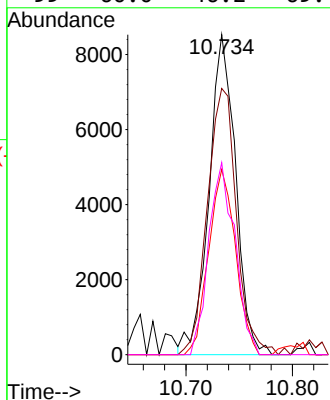
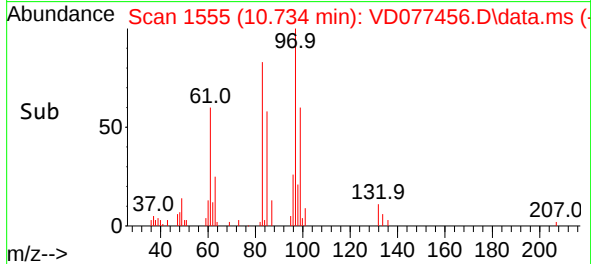
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2023



Tgt Ion:	97	Resp:	1478
Ion	Ratio	Lower	Upper
97	100		
83	83.2	65.8	98.6
85	57.8	45.7	68.5
99	60.0	46.2	69.4

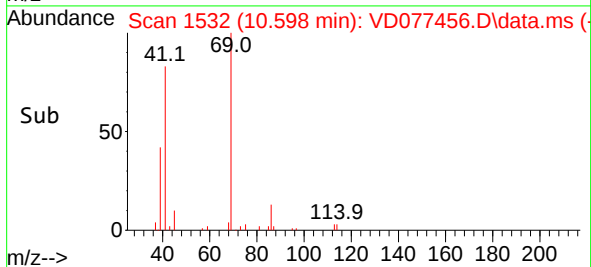
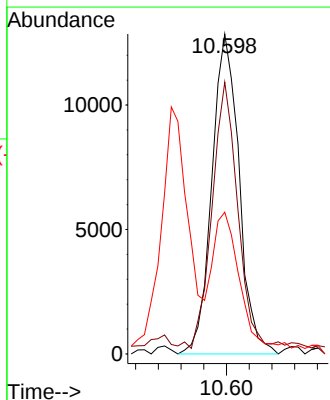
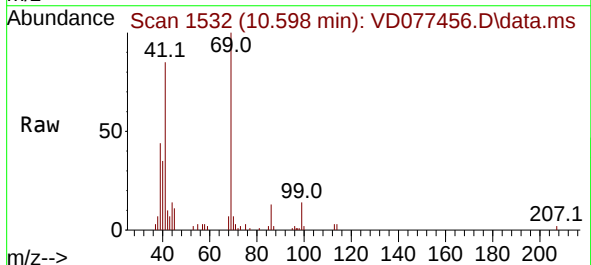
Manual Integrations
APPROVED

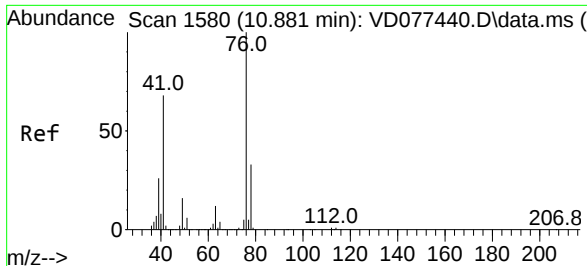
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#56
Ethyl methacrylate
Concen: 5.081 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion:	69	Resp:	21360
Ion	Ratio	Lower	Upper
69	100		
41	76.3	39.1	58.7#
39	41.8	20.0	30.0#





#57

1,3-Dichloropropane

Concen: 5.087 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 76 Resp: 26880

Ion Ratio Lower Upper

76 100

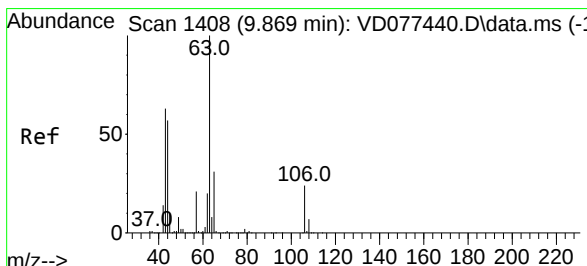
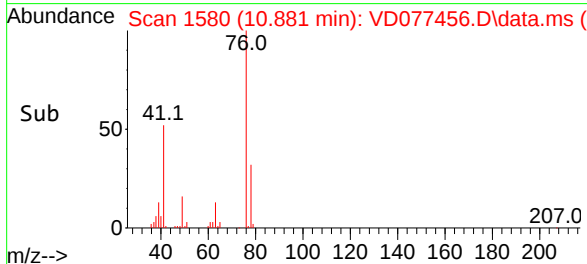
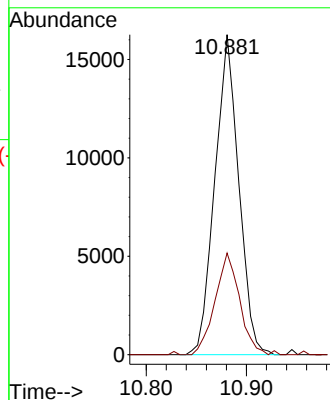
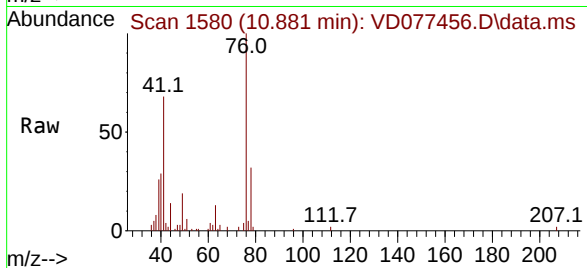
78 32.8 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#58

2-Chloroethyl Vinyl ether

Concen: 19.755 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD077456.D

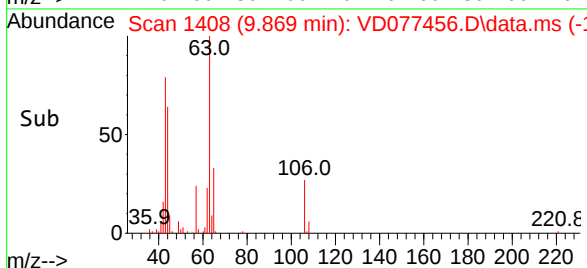
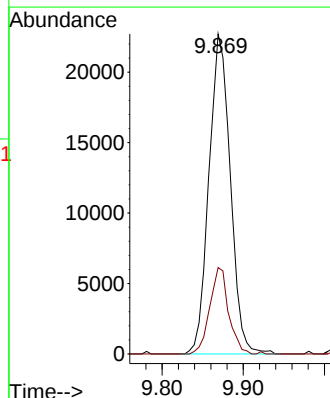
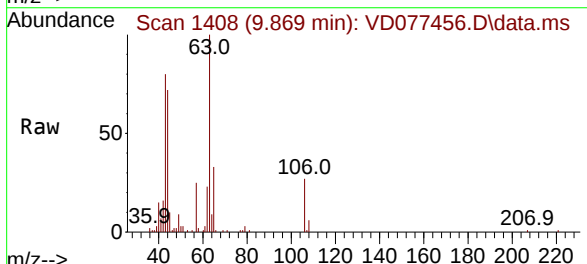
Acq: 31 Oct 2023 13:04

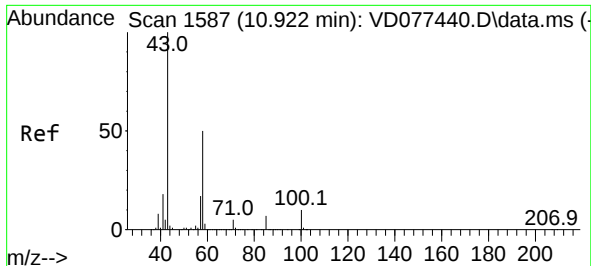
Tgt Ion: 63 Resp: 41573

Ion Ratio Lower Upper

63 100

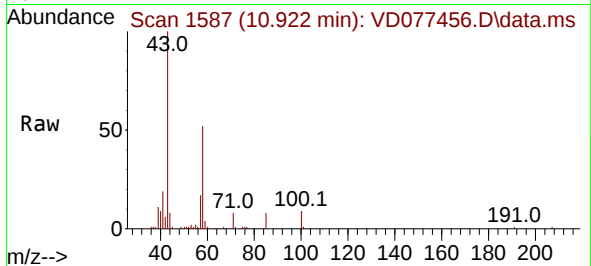
106 23.7 25.3 37.9





#59
2-Hexanone
Concen: 26.728 ug/l
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

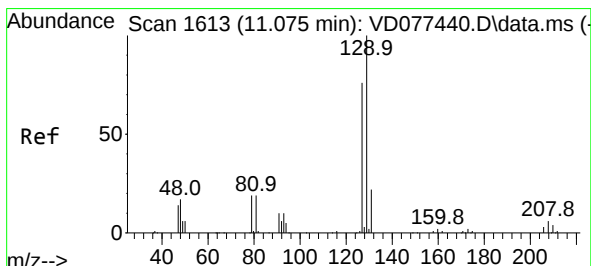
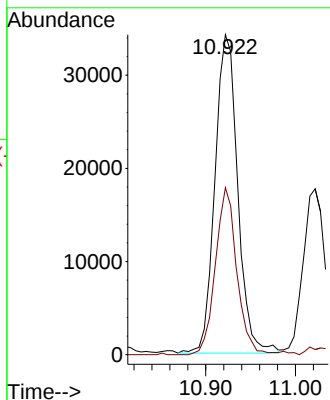
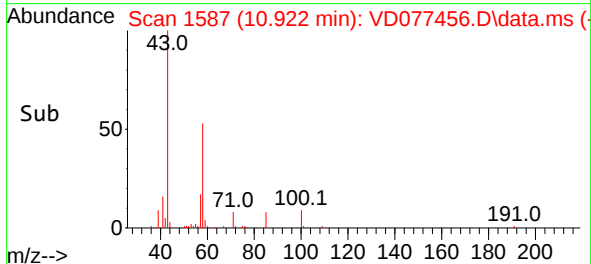
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 43 Resp: 60200
Ion Ratio Lower Upper
43 100
58 49.3 34.1 102.2

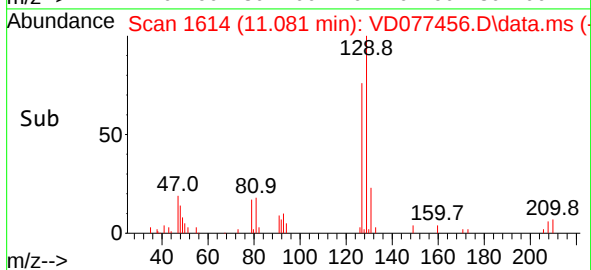
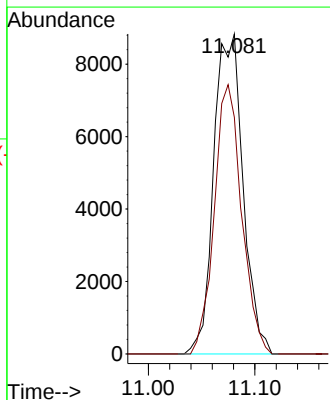
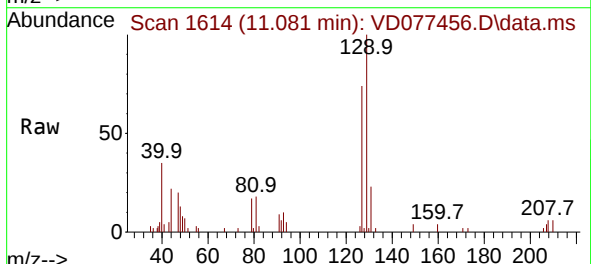
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#60
Dibromochloromethane
Concen: 4.953 ug/l
RT: 11.081 min Scan# 1614
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

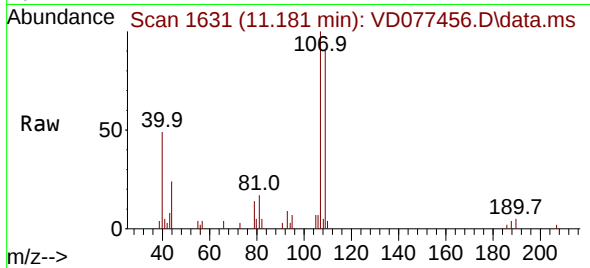
Tgt Ion:129 Resp: 16837
Ion Ratio Lower Upper
129 100
127 78.8 37.1 111.5





#61
1,2-Dibromoethane
Concen: 5.053 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

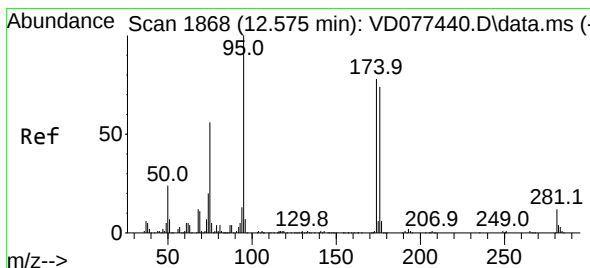
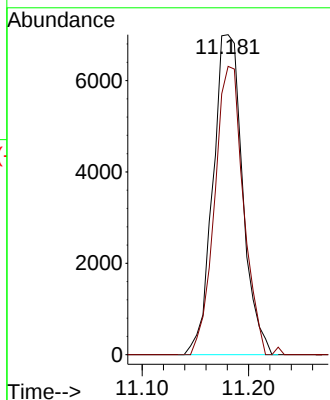
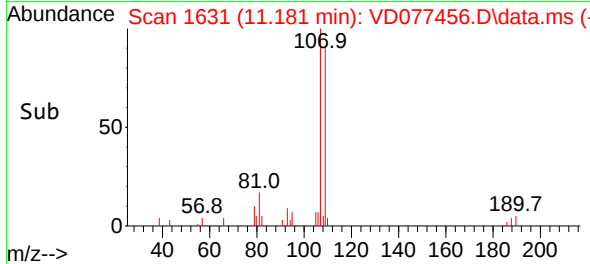
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



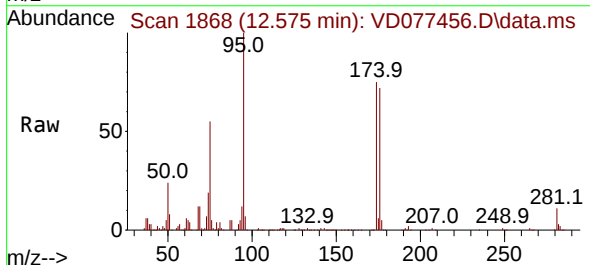
Tgt Ion:107 Resp: 13528
Ion Ratio Lower Upper
107 100
109 87.4 75.6 113.4

Manual Integrations
APPROVED

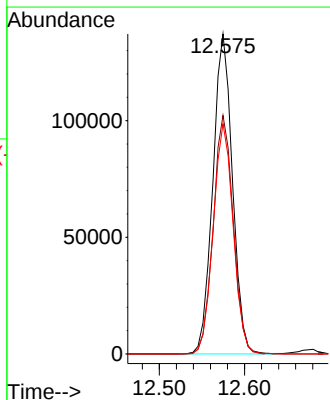
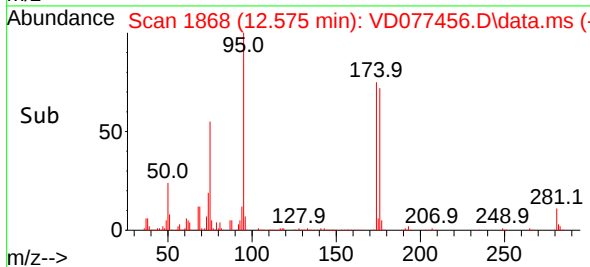
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

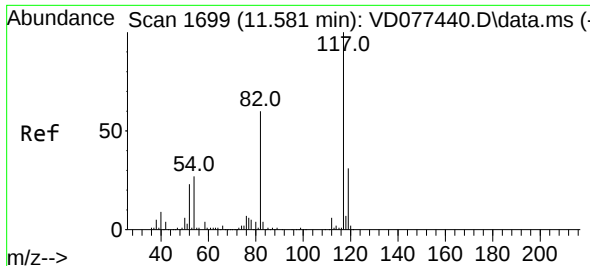


#62
4-Bromofluorobenzene
Concen: 47.360 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04



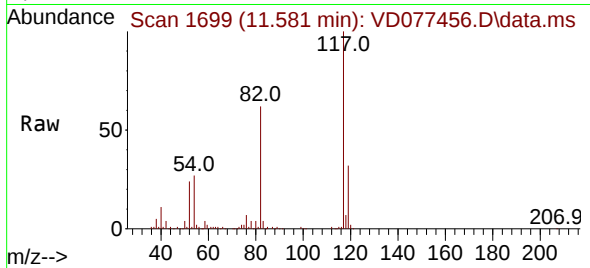
Tgt Ion: 95 Resp: 219185
Ion Ratio Lower Upper
95 100
174 76.0 0.0 201.8
176 73.1 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

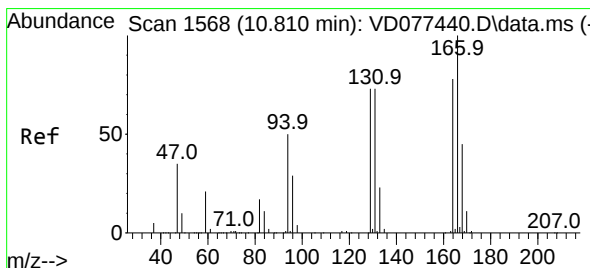
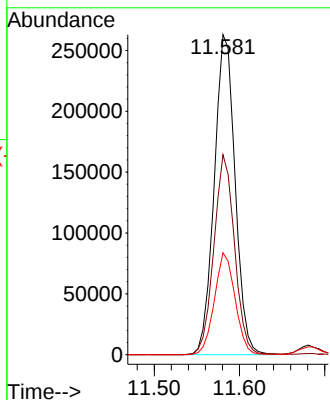
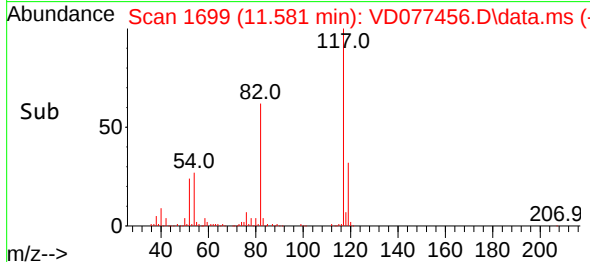
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:117 Resp: 44765
Ion Ratio Lower Upper
117 100
82 62.5 38.3 57.5
119 31.9 25.0 37.4

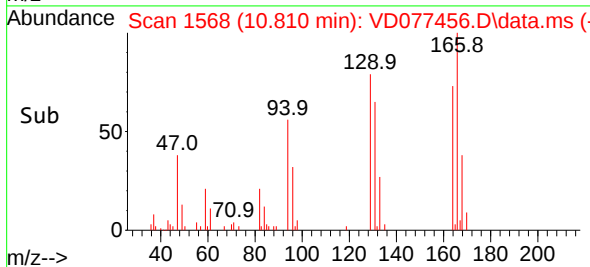
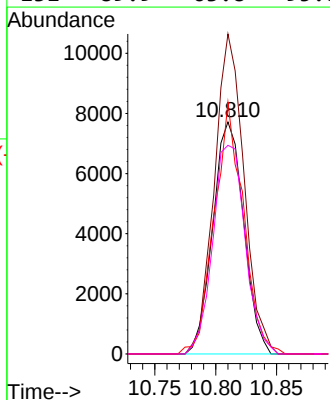
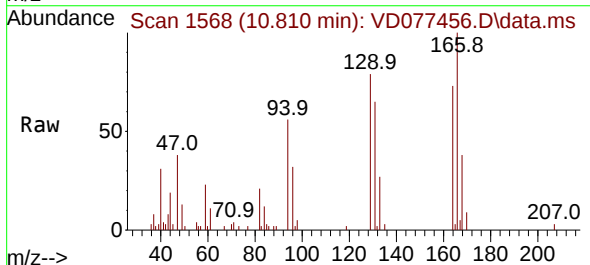
Manual Integrations
APPROVED

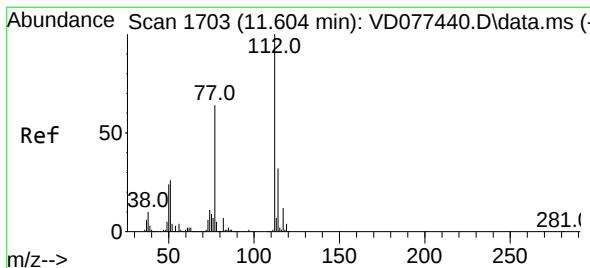
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#64
Tetrachloroethene
Concen: 4.780 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion:164 Resp: 13623
Ion Ratio Lower Upper
164 100
166 137.9 99.2 148.8
129 108.6 68.4 102.6#
131 89.9 63.8 95.8





#65

Chlorobenzene

Concen: 5.064 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD077456.D

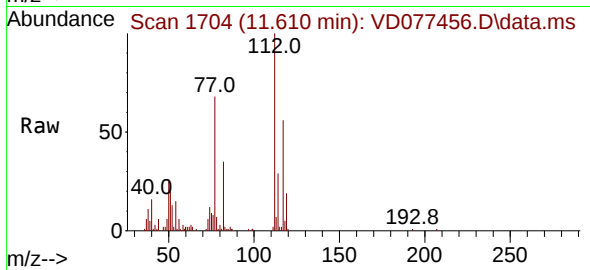
Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2023



Tgt Ion:112 Resp: 47490

Ion Ratio Lower Upper

112 100

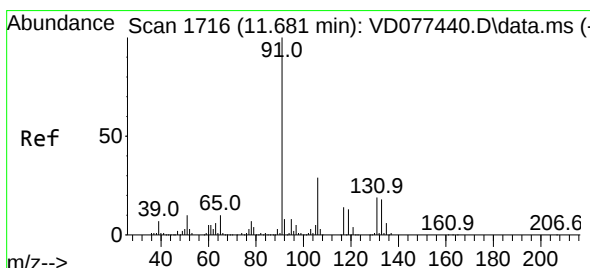
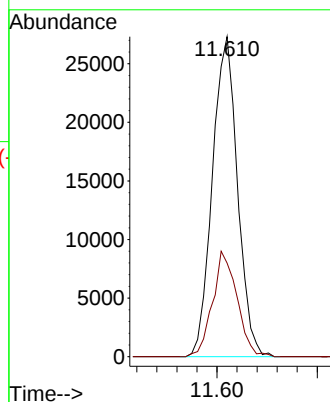
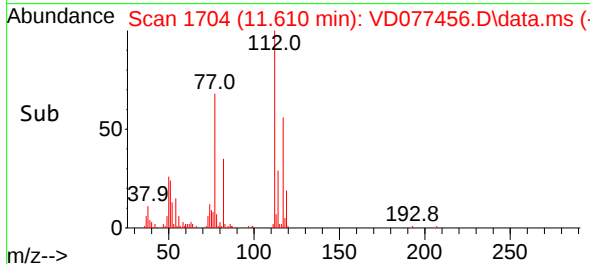
114 29.2 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 5.182 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

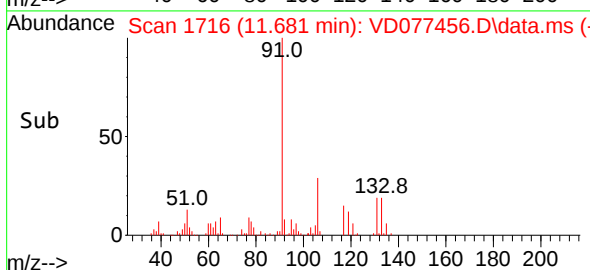
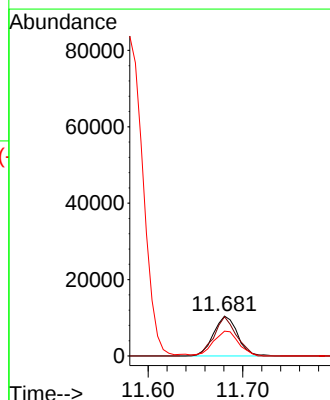
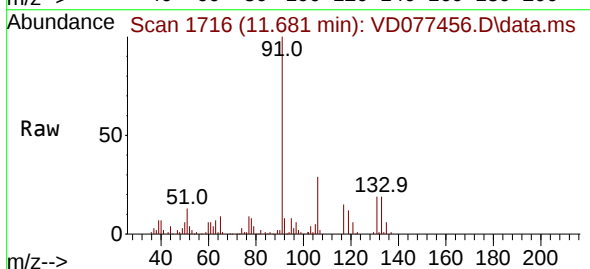
Tgt Ion:131 Resp: 18364

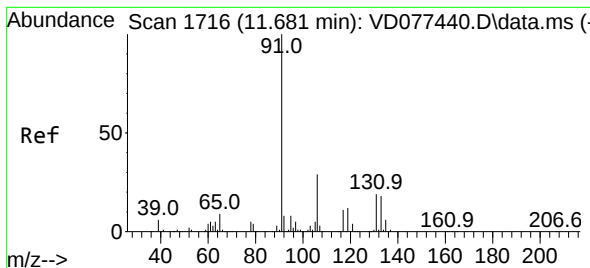
Ion Ratio Lower Upper

131 100

133 92.3 48.5 145.5

119 65.2 35.6 106.9





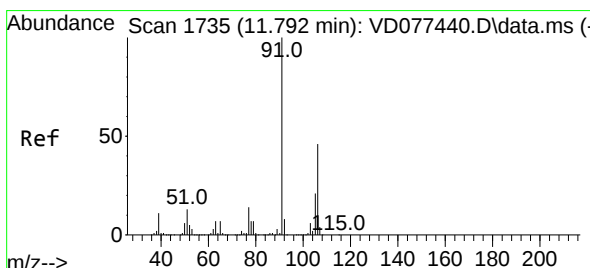
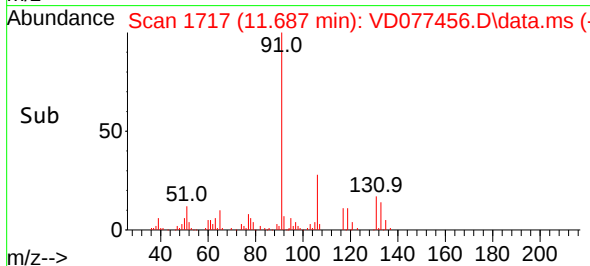
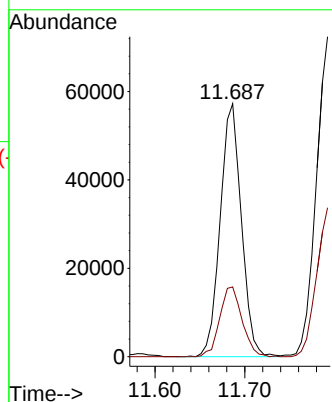
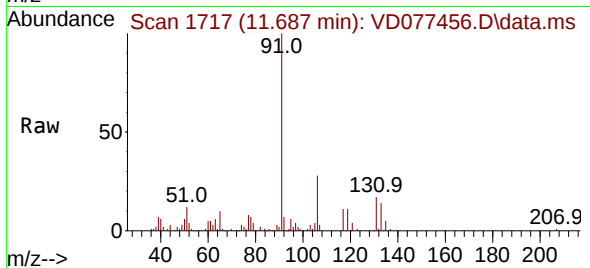
#67
Ethyl Benzene
Concen: 5.200 ug/l
RT: 11.687 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 91 Resp: 9382
Ion Ratio Lower Upper
91 100
106 27.6 26.5 39.7

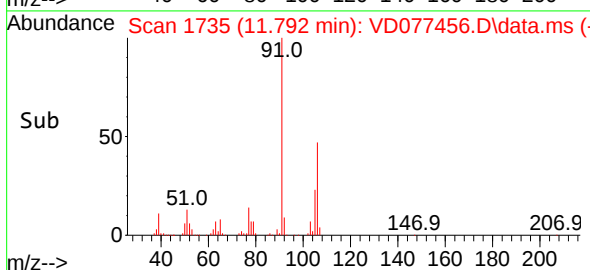
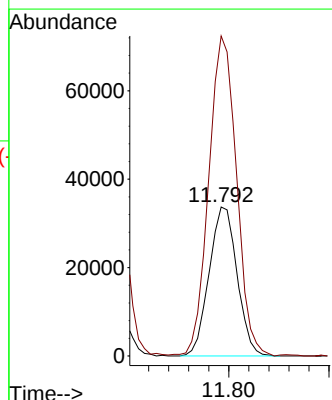
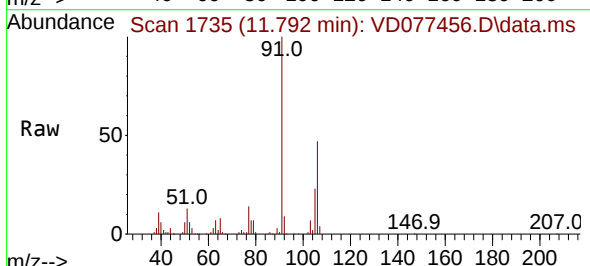
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#68
m/p-Xylenes
Concen: 10.013 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

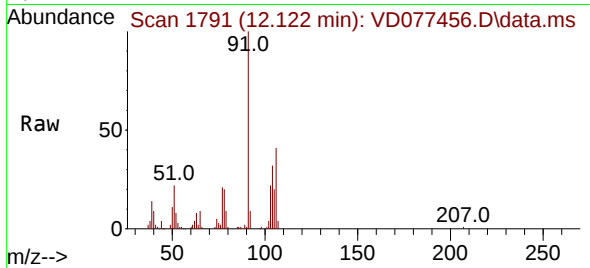
Tgt Ion:106 Resp: 65244
Ion Ratio Lower Upper
106 100
91 213.8 147.0 220.6





#69
o-Xylene
Concen: 5.038 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

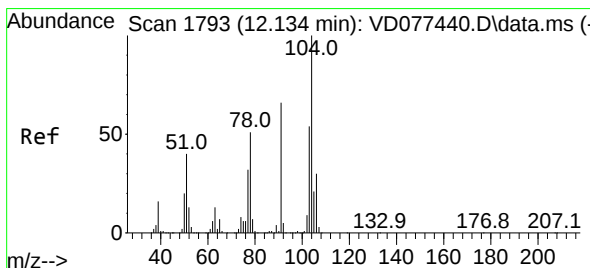
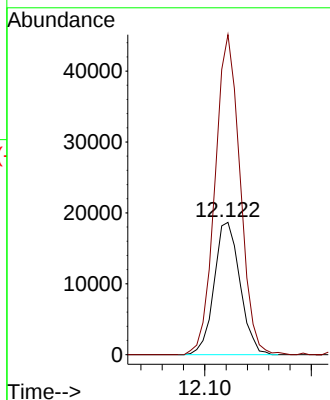
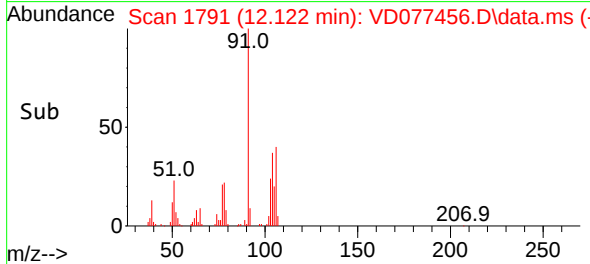
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:106 Resp: 31442
Ion Ratio Lower Upper
106 100
91 234.7 97.9 293.6

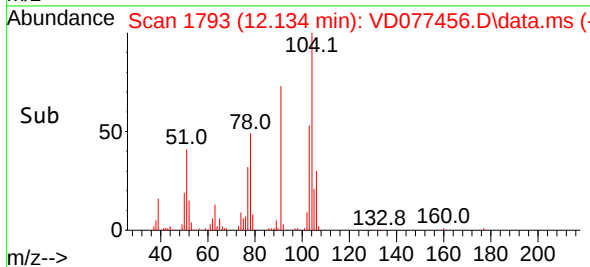
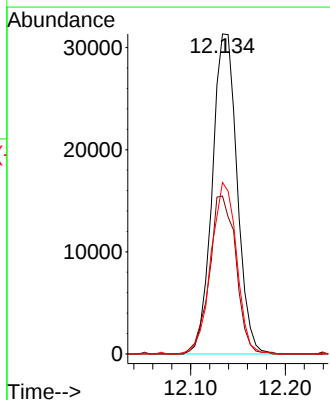
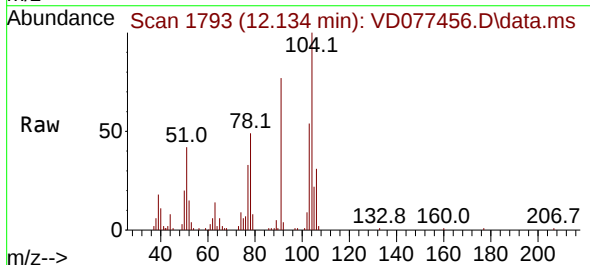
Manual Integrations
APPROVED

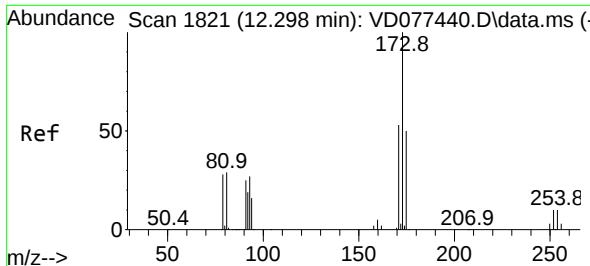
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#70
Styrene
Concen: 5.296 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

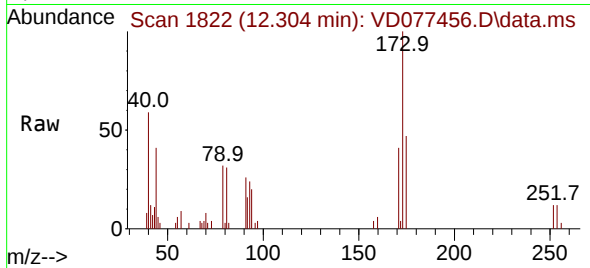
Tgt Ion:104 Resp: 57025
Ion Ratio Lower Upper
104 100
78 52.7 33.2 49.8#
103 55.1 43.6 65.4





#71
Bromoform
Concen: 5.072 ug/l
RT: 12.304 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

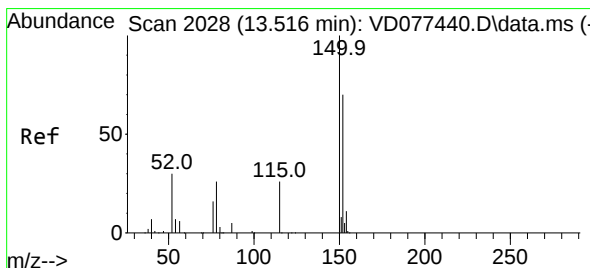
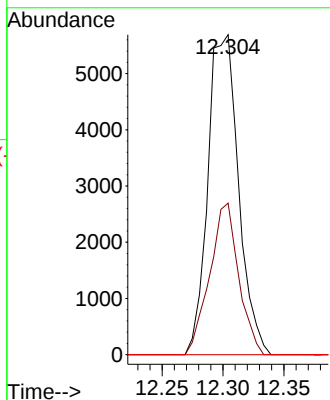
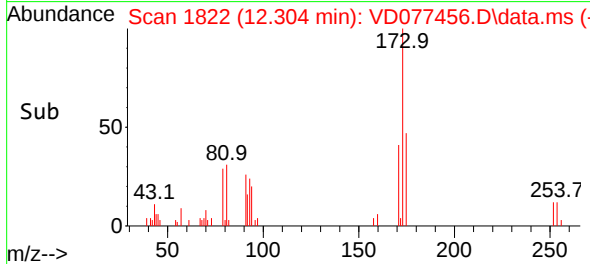
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



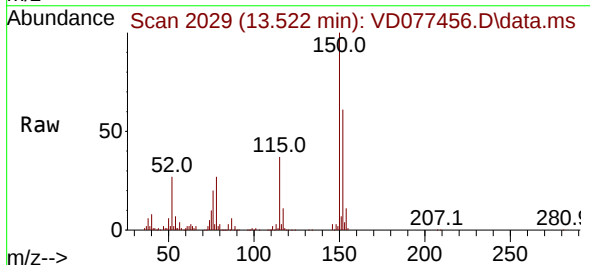
Tgt Ion:173 Resp: 9960
Ion Ratio Lower Upper
173 100
175 44.8 24.6 73.8
254 0.0 0.0 0.0

Manual Integrations
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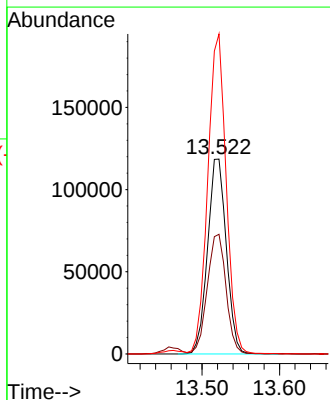
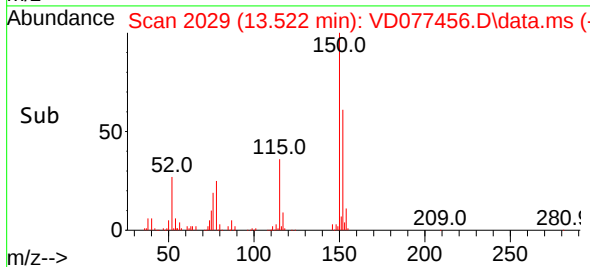
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

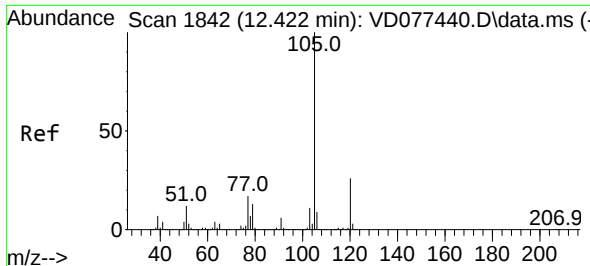


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04



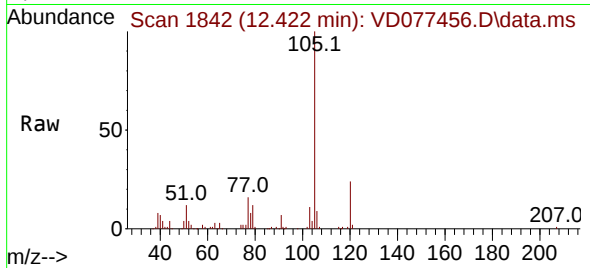
Tgt Ion:152 Resp: 199605
Ion Ratio Lower Upper
152 100
115 61.5 27.1 81.3
150 160.9 0.0 353.6





#73
Isopropylbenzene
Concen: 5.326 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

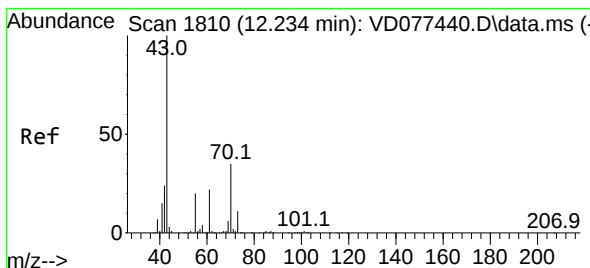
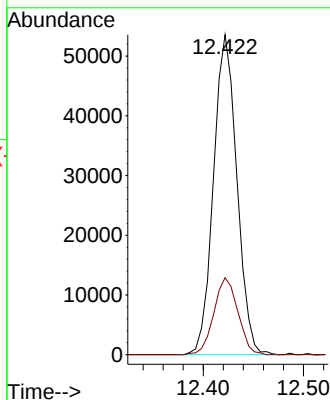
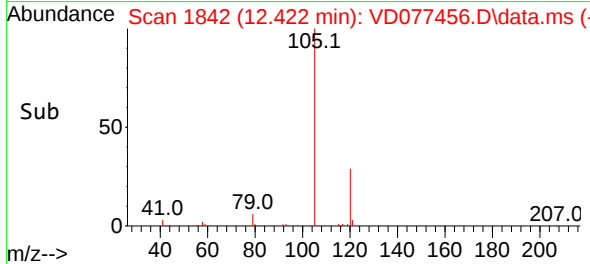
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:105 Resp: 86672
Ion Ratio Lower Upper
105 100
120 24.7 14.3 42.9

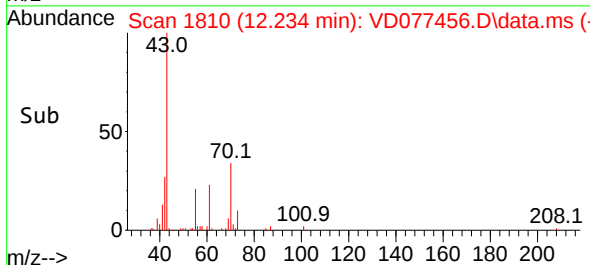
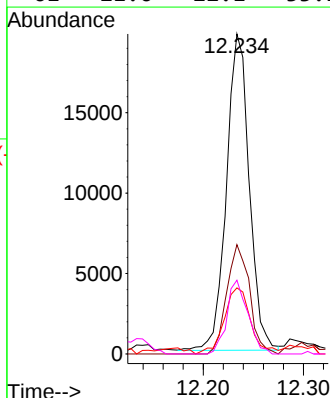
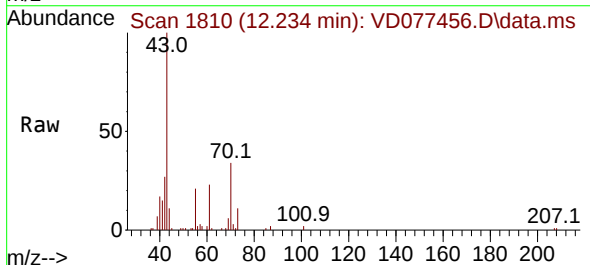
Manual Integrations
APPROVED

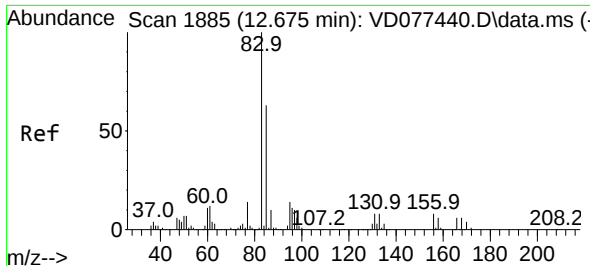
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#74
N-ethyl acetate
Concen: 5.401 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

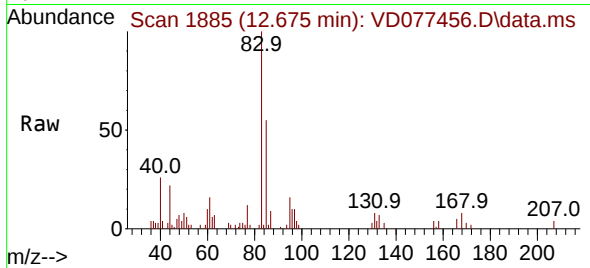
Tgt Ion: 43 Resp: 31132
Ion Ratio Lower Upper
43 100
70 34.3 45.0 67.4#
55 24.1 23.8 35.6
61 21.6 22.1 33.1#





#75
1,1,2,2-Tetrachloroethane
Concen: 5.608 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

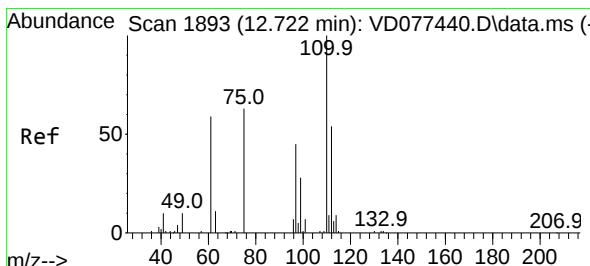
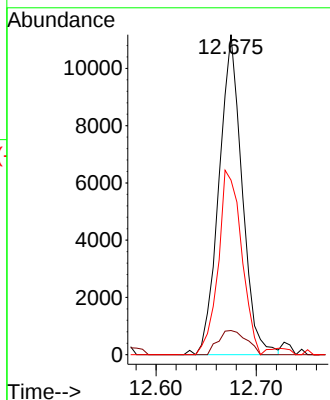
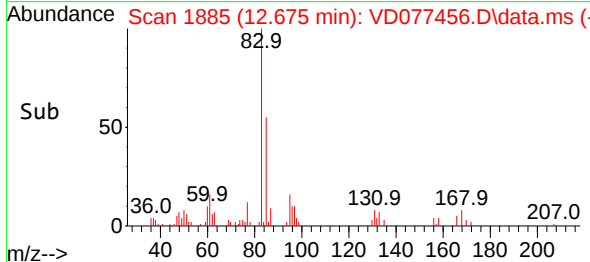
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2023



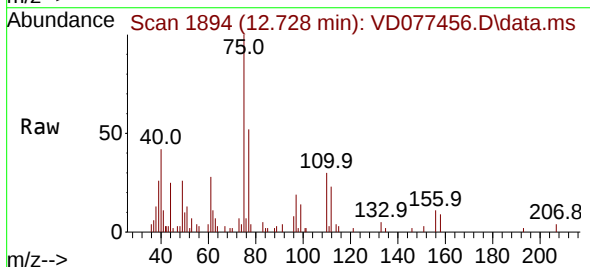
Tgt Ion: 83 Resp: 17890
Ion Ratio Lower Upper
83 100
131 9.2 5.1 15.3
85 58.4 32.6 97.8

Manual Integrations
APPROVED

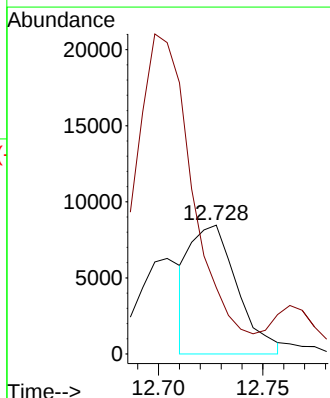
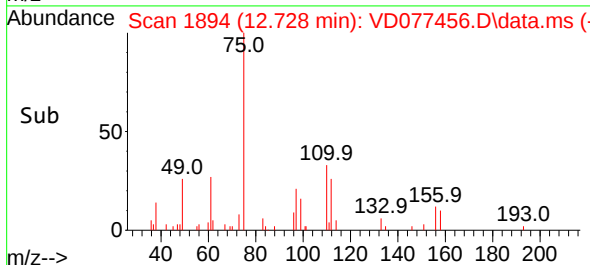
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

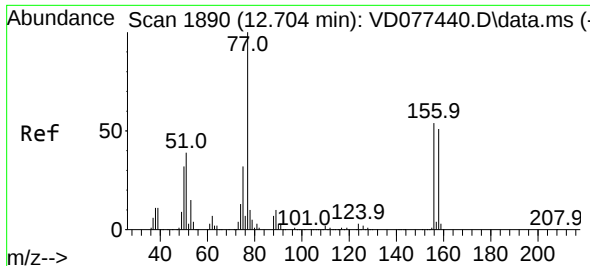


#76
1,2,3-Trichloropropane
Concen: 5.464 ug/l m
RT: 12.728 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04



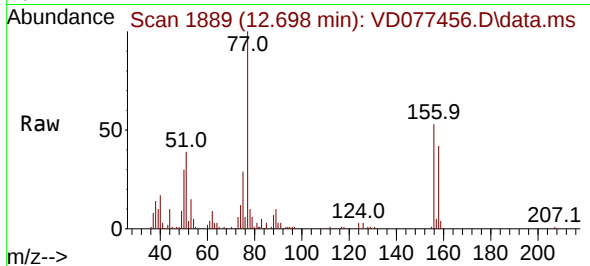
Tgt Ion: 75 Resp: 13274
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 5.345 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

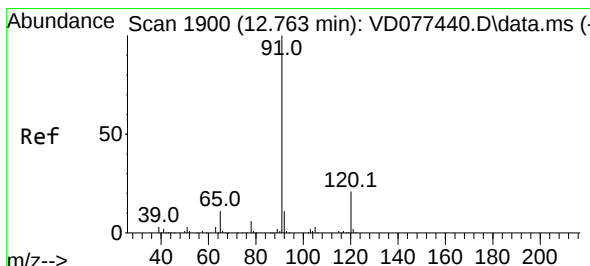
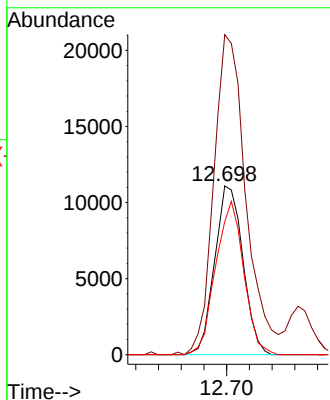
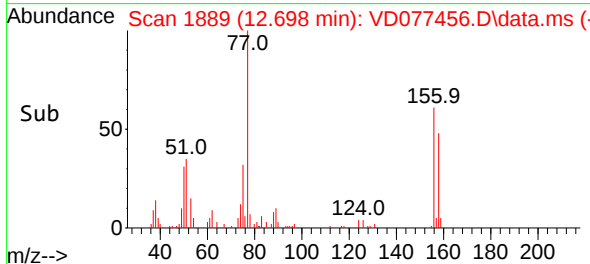
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:156 Resp: 19148
Ion Ratio Lower Upper
156 100
77 215.3 76.8 230.4
158 90.3 48.6 145.9

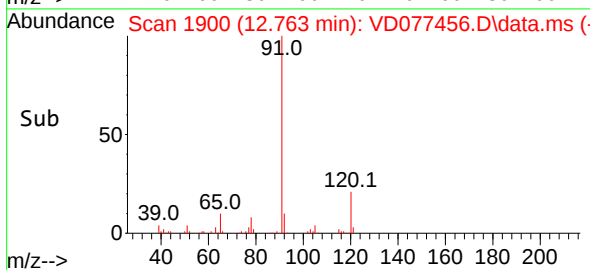
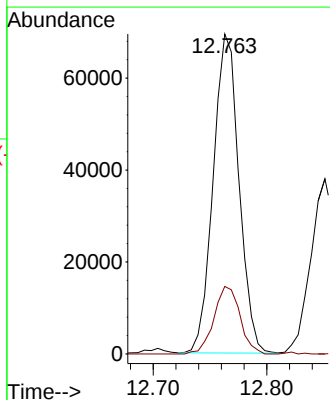
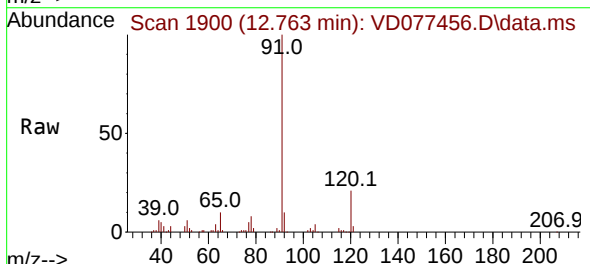
Manual Integrations
APPROVED

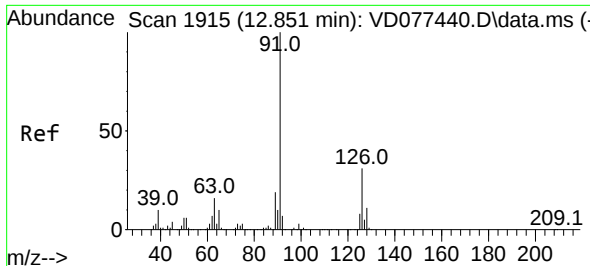
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#78
n-propylbenzene
Concen: 5.304 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion: 91 Resp: 109594
Ion Ratio Lower Upper
91 100
120 21.4 12.4 37.2





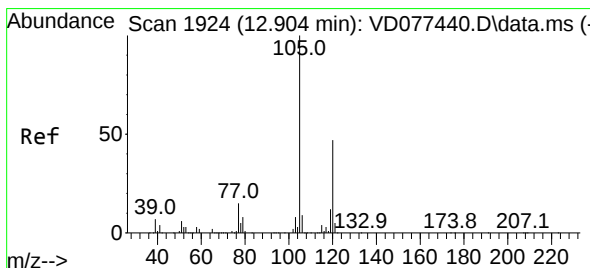
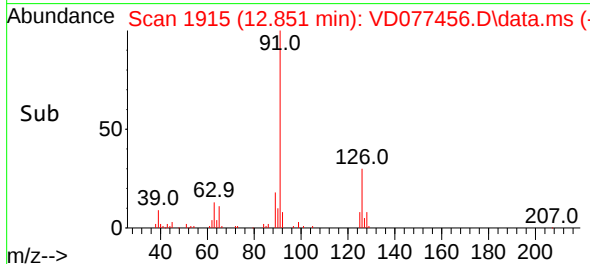
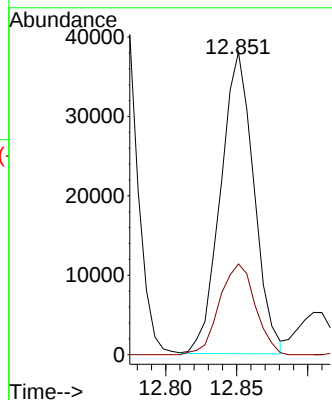
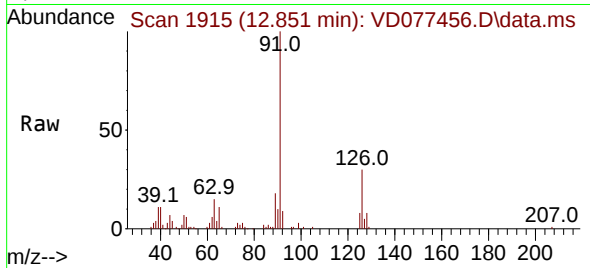
#79
2-Chlorotoluene
Concen: 5.297 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 91 Resp: 6197
Ion Ratio Lower Upper
91 100
126 32.3 19.4 58.1

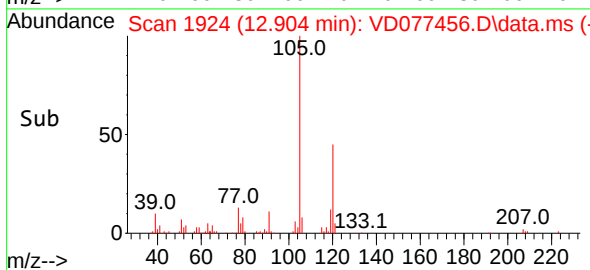
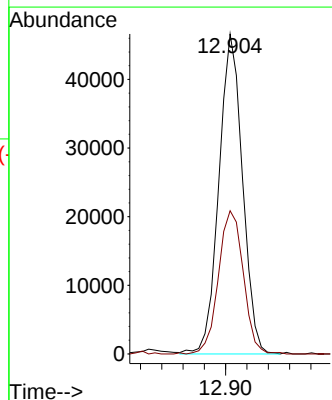
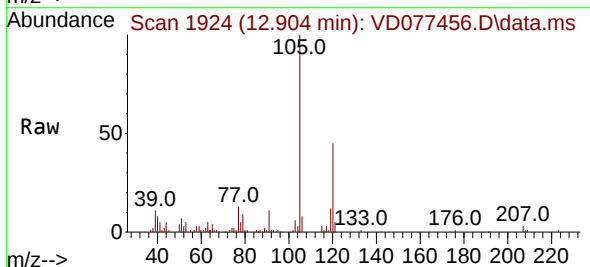
Manual Integrations
APPROVED

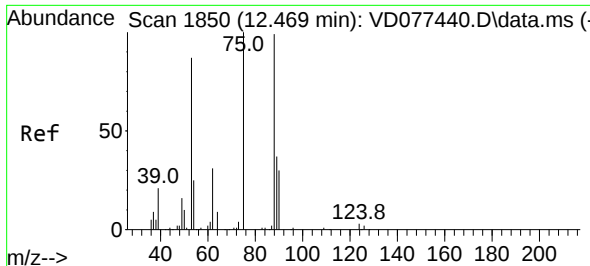
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#80
1,3,5-Trimethylbenzene
Concen: 5.242 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Tgt Ion:105 Resp: 71582
Ion Ratio Lower Upper
105 100
120 47.3 26.4 79.2





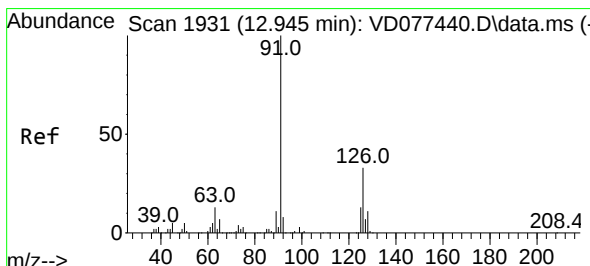
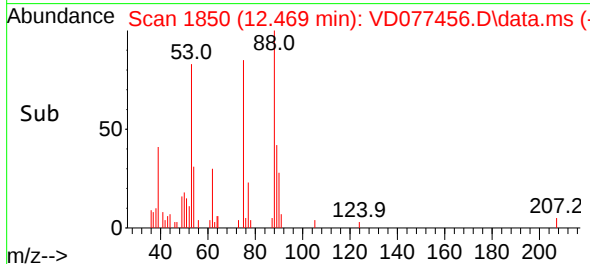
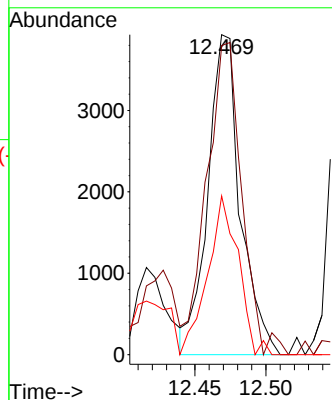
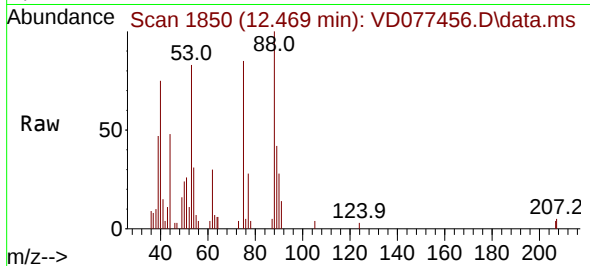
#81
trans-1,4-Dichloro-2-butene
Concen: 4.969 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2023

Tgt Ion: 75 Resp: 6250
Ion Ratio Lower Upper
75 100
53 105.3 63.0 94.4
89 46.7 37.9 56.9

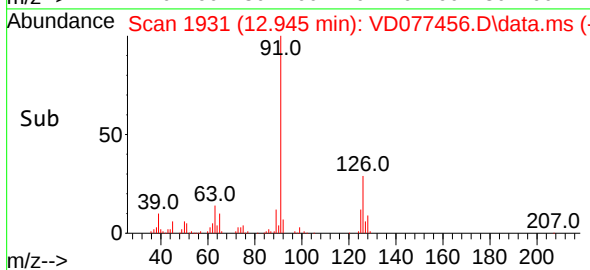
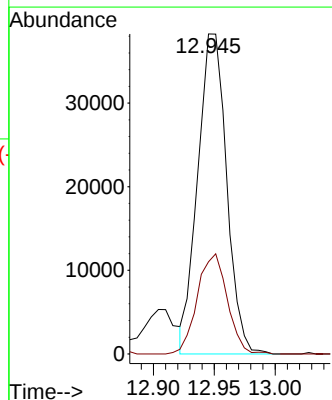
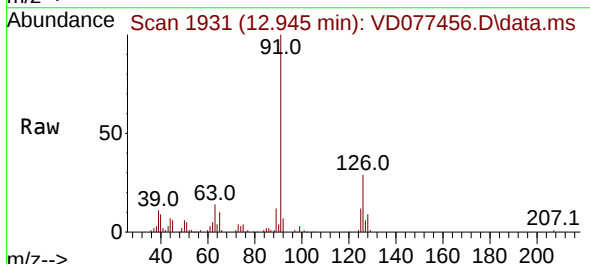
Manual Integrations
APPROVED

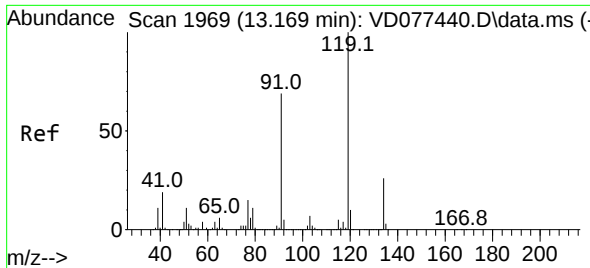
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#82
4-Chlorotoluene
Concen: 5.197 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

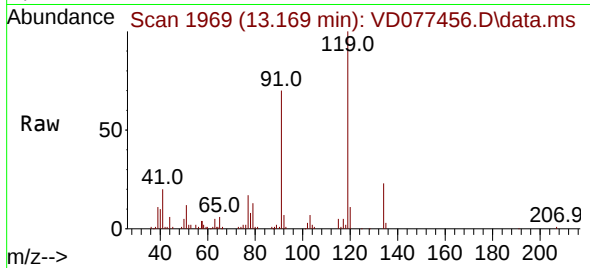
Tgt Ion: 91 Resp: 63340
Ion Ratio Lower Upper
91 100
126 32.4 19.4 58.4





#83
tert-Butylbenzene
Concen: 5.316 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

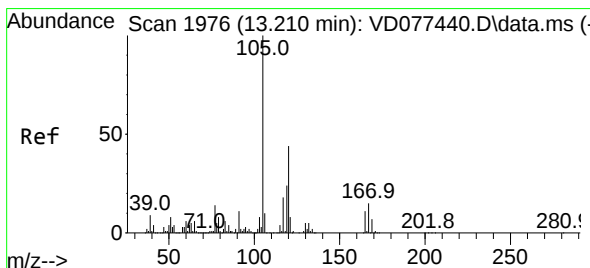
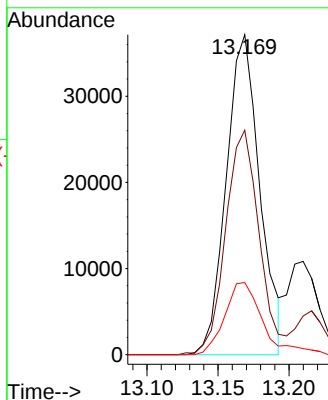
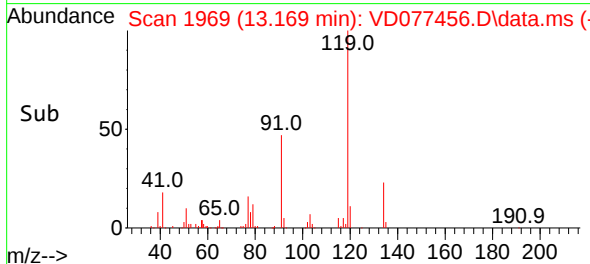
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



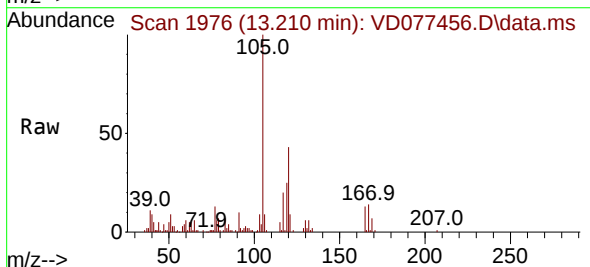
Tgt Ion:119 Resp: 61032
Ion Ratio Lower Upper
119 100
91 70.3 29.3 87.8
134 25.5 14.1 42.3

Manual Integrations
APPROVED

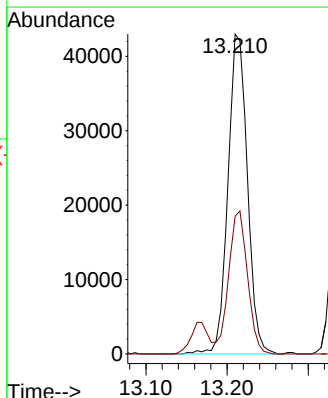
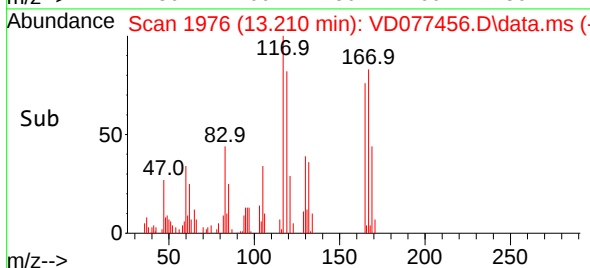
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

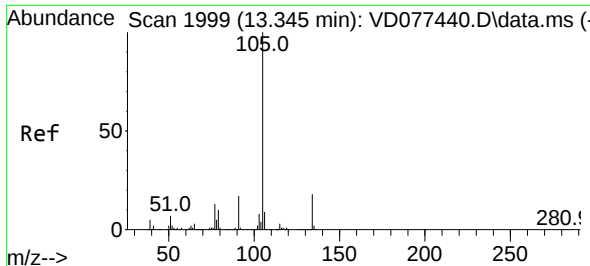


#84
1,2,4-Trimethylbenzene
Concen: 5.266 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04



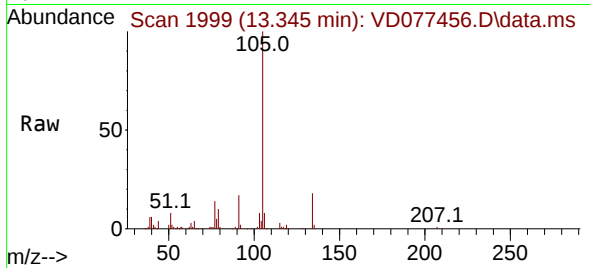
Tgt Ion:105 Resp: 71431
Ion Ratio Lower Upper
105 100
120 43.9 24.3 72.9





#85
 sec-Butylbenzene
 Concen: 5.343 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VD077456.D
 Acq: 31 Oct 2023 13:04

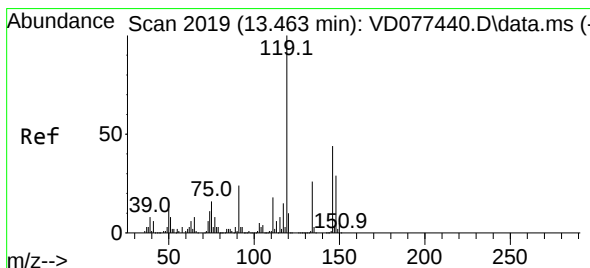
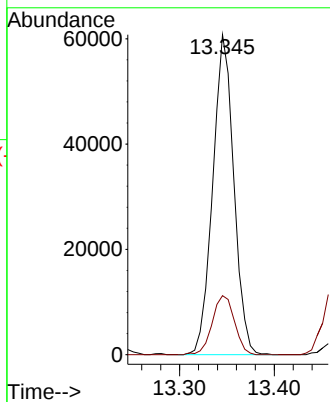
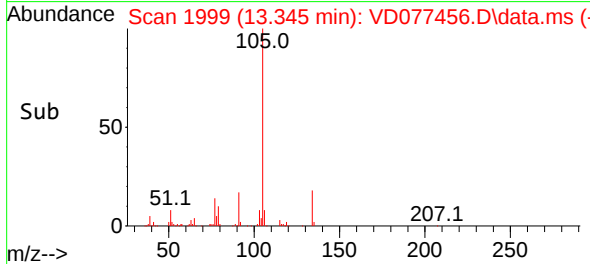
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023



Tgt Ion:105 Resp: 9385
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.9 32.9

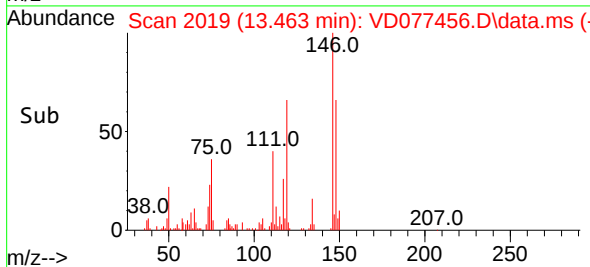
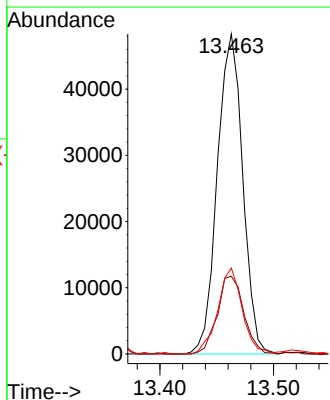
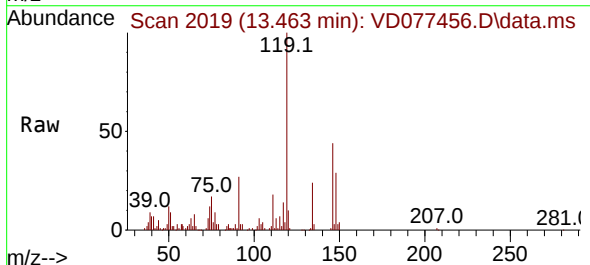
Manual Integrations
 APPROVED

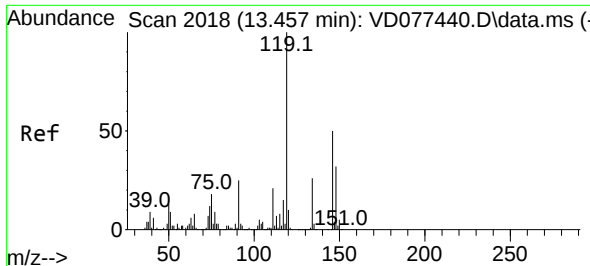
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023



#86
 p-Isopropyltoluene
 Concen: 5.267 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VD077456.D
 Acq: 31 Oct 2023 13:04

Tgt Ion:119 Resp: 75197
 Ion Ratio Lower Upper
 119 100
 134 25.3 14.2 42.6
 91 25.9 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 5.219 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD077456.D

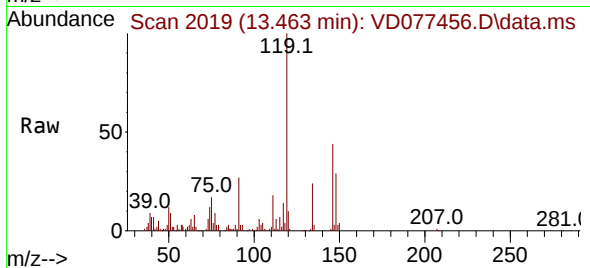
Acq: 31 Oct 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2023



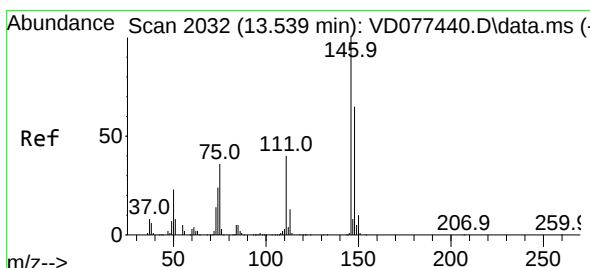
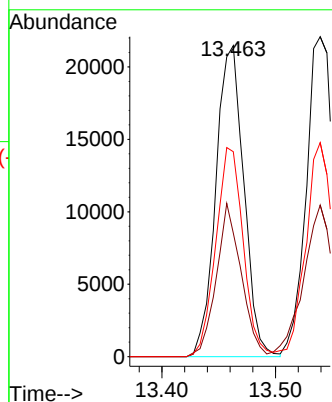
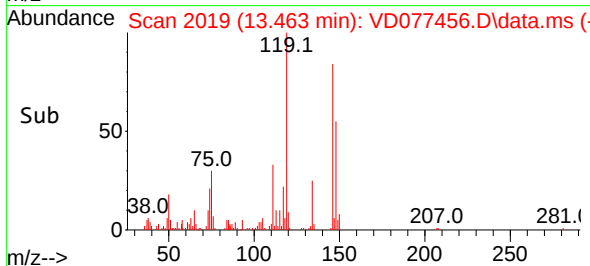
Tgt Ion:	146	Resp:	36750
Ion Ratio	Lower	Upper	
146	100		
111	43.8	17.9	53.8
148	66.1	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#88

1,4-Dichlorobenzene

Concen: 5.360 ug/l

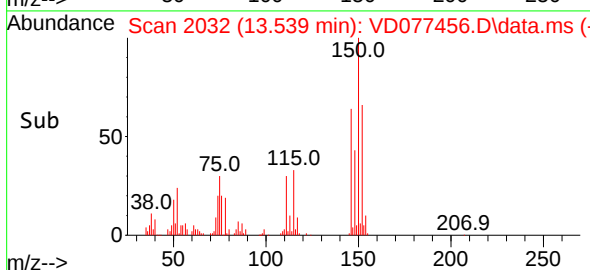
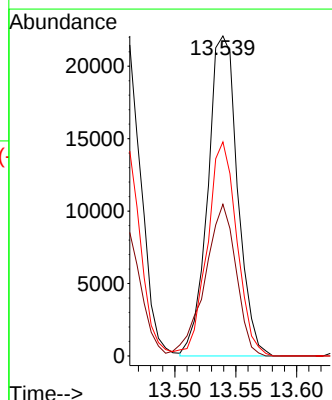
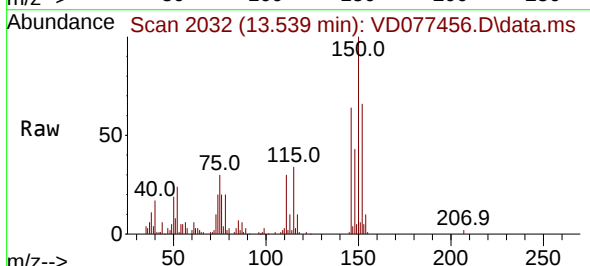
RT: 13.539 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD077456.D

Acq: 31 Oct 2023 13:04

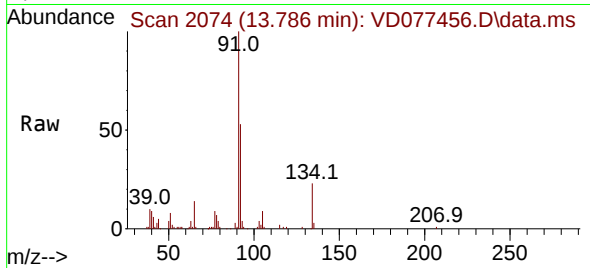
Tgt Ion:	146	Resp:	37706
Ion Ratio	Lower	Upper	
146	100		
111	49.5	17.4	52.3
148	66.3	31.7	95.1





#89
n-Butylbenzene
Concen: 5.329 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

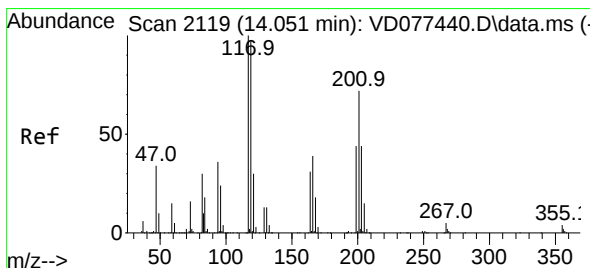
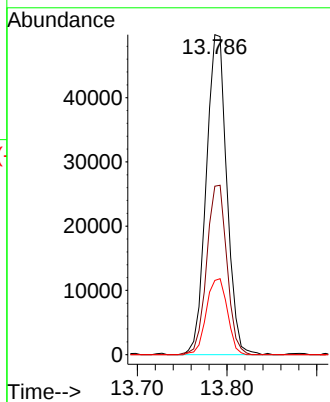
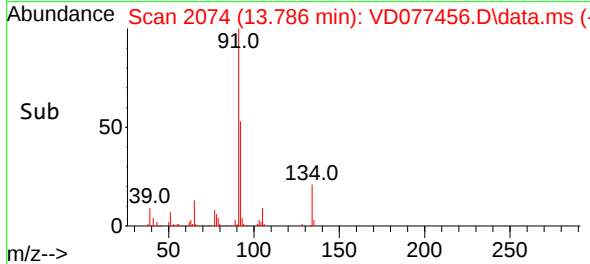
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2023



Tgt Ion: 91 Resp: 7908
Ion Ratio Lower Upper
91 100
92 52.1 26.5 79.5
134 24.2 13.8 41.3

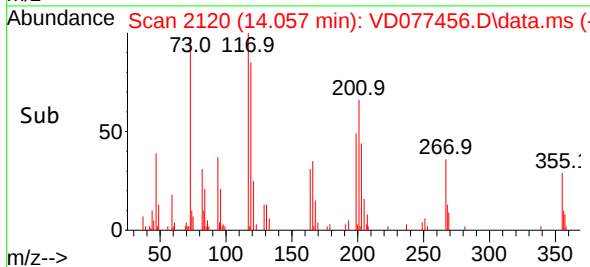
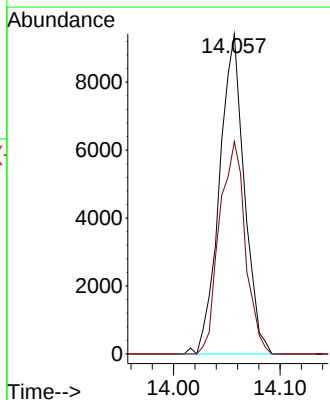
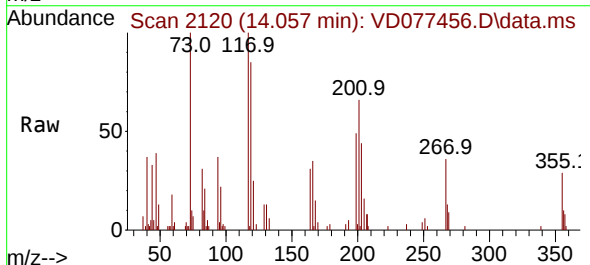
Manual Integrations
APPROVED

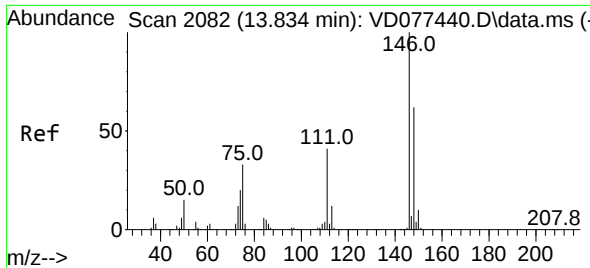
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#90
Hexachloroethane
Concen: 5.222 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. 0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

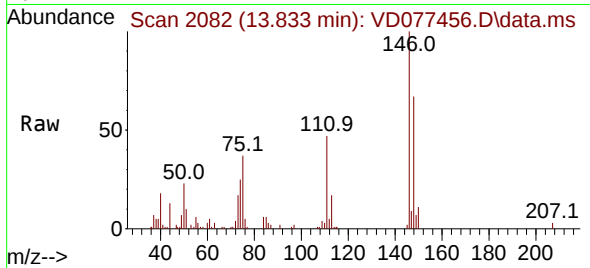
Tgt Ion:117 Resp: 15259
Ion Ratio Lower Upper
117 100
201 69.0 38.5 115.5





#91
1,2-Dichlorobenzene
Concen: 5.200 ug/l
RT: 13.833 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

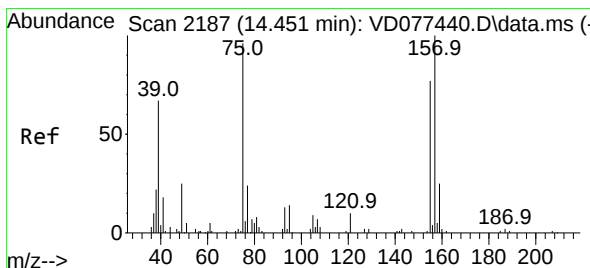
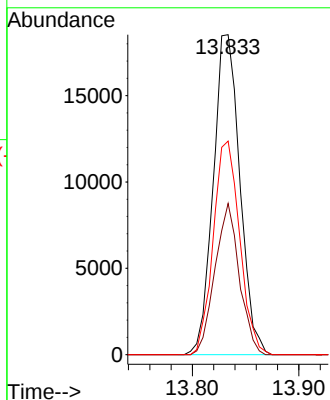
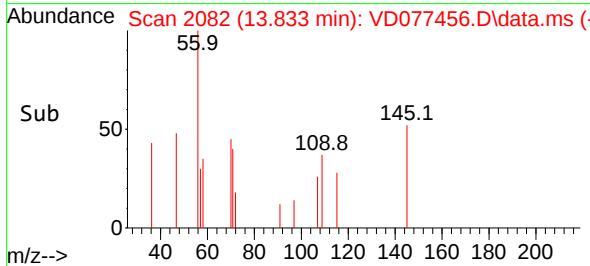
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2023



Tgt Ion:146 Resp: 32179
Ion Ratio Lower Upper
146 100
111 43.2 18.3 54.8
148 66.1 31.6 94.7

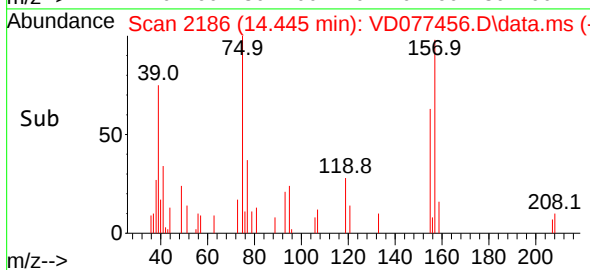
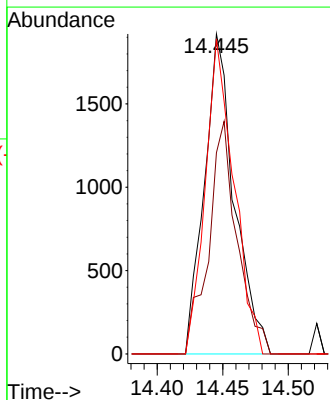
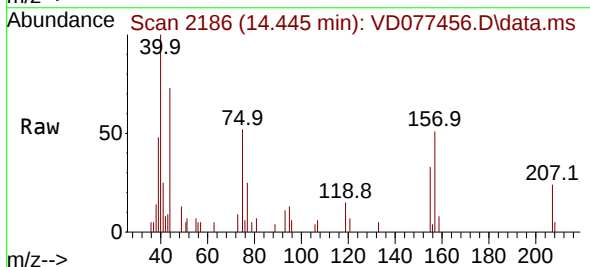
Manual Integrations
APPROVED

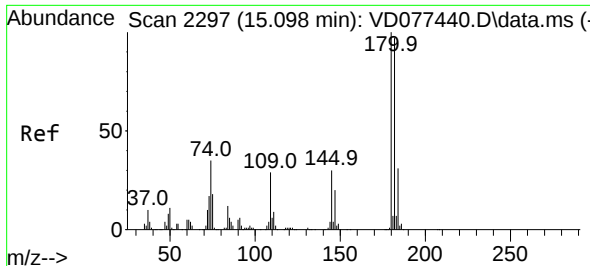
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.709 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

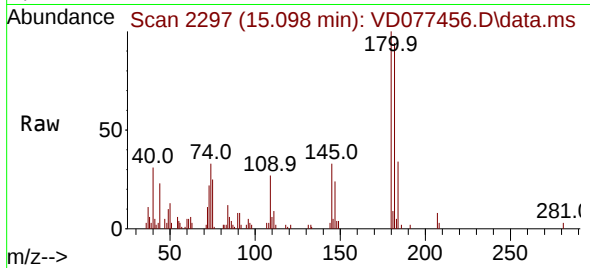
Tgt Ion: 75 Resp: 3068
Ion Ratio Lower Upper
75 100
155 68.7 47.9 143.8
157 93.7 59.9 179.7





#93
1,2,4-Trichlorobenzene
Concen: 4.920 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

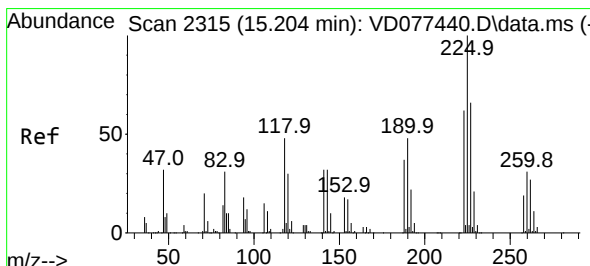
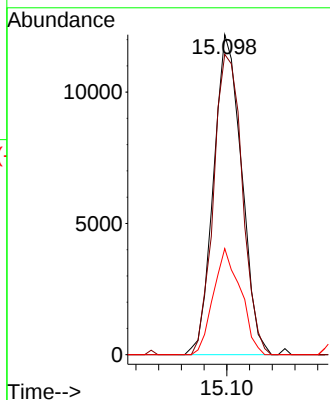
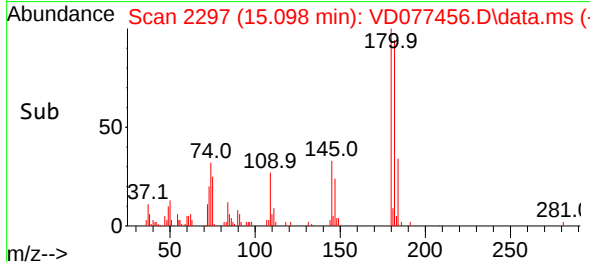
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:180 Resp: 20914
Ion Ratio Lower Upper
180 100
182 96.2 48.5 145.6
145 32.2 14.2 42.6

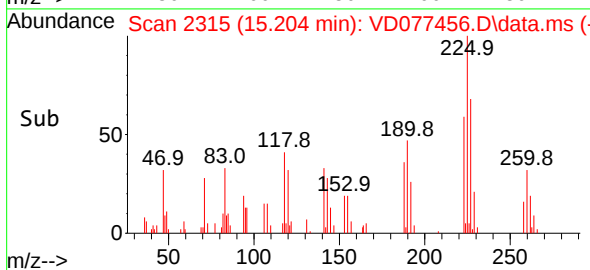
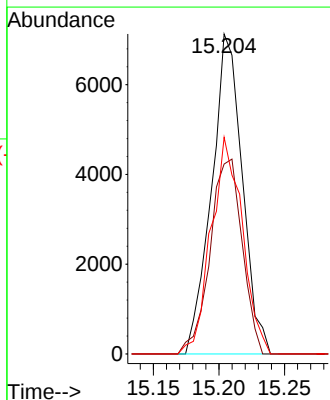
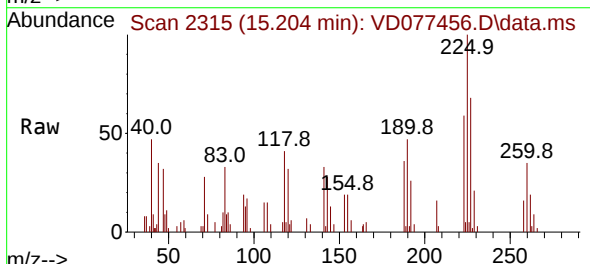
Manual Integrations
APPROVED

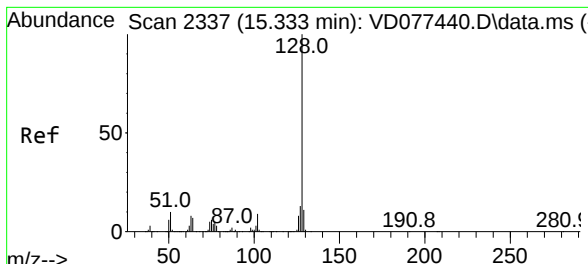
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#94
Hexachlorobutadiene
Concen: 5.054 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

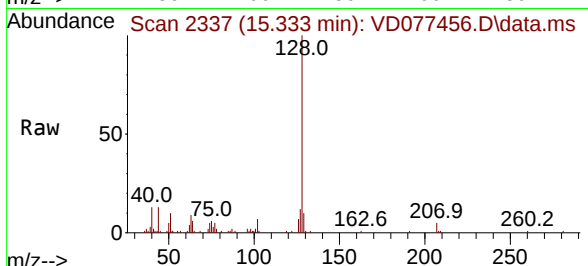
Tgt Ion:225 Resp: 11588
Ion Ratio Lower Upper
225 100
223 63.8 31.6 94.8
227 69.1 31.7 95.1





#95
Naphthalene
Concen: 5.501 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04

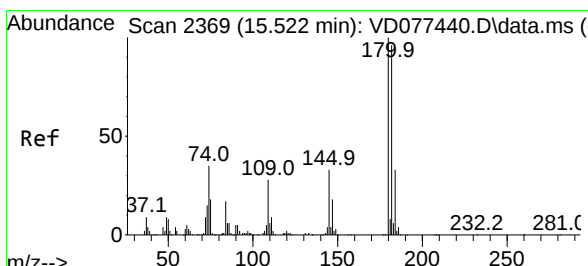
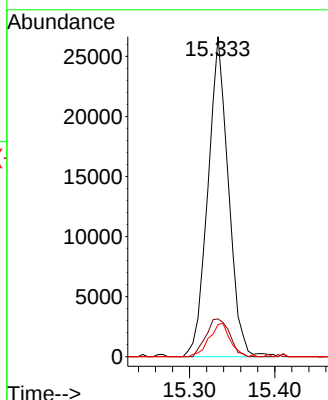
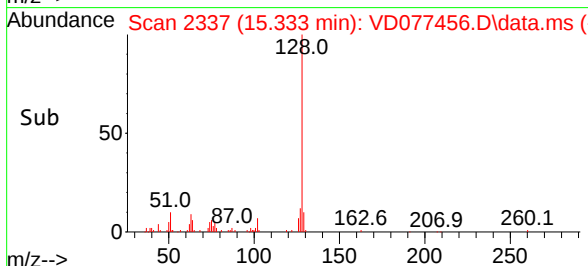
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2023



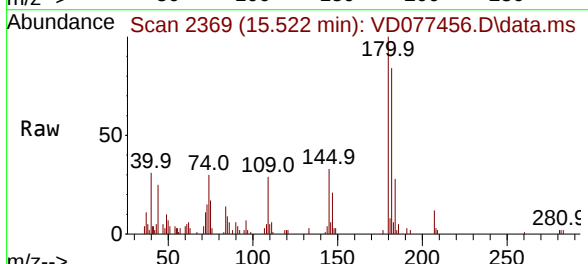
Tgt Ion:128 Resp: 4460
Ion Ratio Lower Upper
128 100
127 11.8 10.5 15.7
129 10.1 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#96
1,2,3-Trichlorobenzene
Concen: 5.397 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD077456.D
Acq: 31 Oct 2023 13:04



Tgt Ion:180 Resp: 19804
Ion Ratio Lower Upper
180 100
182 95.0 47.3 141.9
145 28.4 15.1 45.3

