

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101524\
 Data File : VD079984.D
 Acq On : 15 Oct 2024 15:04
 Operator : RP/MD
 Sample : P4368-03 4 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Oct 16 04:27:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 04:27:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024
 Supervised By :Semsettin Yesilyurt 10/16/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	131563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	217587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	205041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83287	55.652	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.300%			
35) Dibromofluoromethane	7.805	113	88770	56.524	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.040%			
50) Toluene-d8	10.269	98	287091	51.299	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.575	95	97348	49.829	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	6142	4.750	ug/l	98
3) Chloromethane	2.146	50	5749	4.329	ug/l	95
4) Vinyl Chloride	2.281	62	7325	4.436	ug/l	97
5) Bromomethane	2.693	94	6050	4.259	ug/l	85
6) Chloroethane	2.834	64	5567	4.938	ug/l #	84
7) Trichlorofluoromethane	3.175	101	12791	4.944	ug/l	97
8) Diethyl Ether	3.599	74	3434	4.832	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.975	101	8214	5.169	ug/l	96
10) Methyl Iodide	4.169	142	7231	4.641	ug/l #	97
11) Tert butyl alcohol	5.075	59	2237m	24.438	ug/l	
12) 1,1-Dichloroethene	3.940	96	6971	4.932	ug/l	95
13) Acrolein	3.805	56	2727	27.785	ug/l	97
14) Allyl chloride	4.552	41	9726	4.632	ug/l	95
15) Acrylonitrile	5.258	53	8071	23.769	ug/l #	92
16) Acetone	4.034	43	7958	20.515	ug/l	96
17) Carbon Disulfide	4.269	76	20592	5.226	ug/l	100
18) Methyl Acetate	4.569	43	5594m	6.718	ug/l	
19) Methyl tert-butyl Ether	5.322	73	14429m	4.420	ug/l	
20) Methylene Chloride	4.799	84	15297	8.028	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	7716	5.083	ug/l	88
22) Diisopropyl ether	6.216	45	19279	4.234	ug/l #	95
23) Vinyl Acetate	6.163	43	65147	25.464	ug/l	99
24) 1,1-Dichloroethane	6.111	63	14770	4.923	ug/l #	87
25) 2-Butanone	7.081	43	10563	22.362	ug/l	94
26) 2,2-Dichloropropane	7.069	77	14043	5.410	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	8702	4.610	ug/l	86
28) Bromochloromethane	7.428	49	5704	4.455	ug/l #	94
29) Tetrahydrofuran	7.446	42	5874	23.252	ug/l	90
30) Chloroform	7.593	83	15705	4.942	ug/l	95
31) Cyclohexane	7.881	56	12210	5.369	ug/l #	84
32) 1,1,1-Trichloroethane	7.793	97	12729	4.836	ug/l	96
36) 1,1-Dichloropropene	8.016	75	9458	4.493	ug/l	94
37) Ethyl Acetate	7.163	43	4165m	4.087	ug/l	
38) Carbon Tetrachloride	7.993	117	11215	4.795	ug/l	99
39) Methylcyclohexane	9.275	83	9600	4.064	ug/l #	82
40) Benzene	8.258	78	30689	4.611	ug/l	100

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	2163	4.042	ug/l #	84
42) 1,2-Dichloroethane	8.328	62	10019	5.473	ug/l	97
43) Isopropyl Acetate	8.357	43	8541	4.549	ug/l #	80
44) Trichloroethene	9.028	130	8133	4.939	ug/l	89
45) 1,2-Dichloropropane	9.305	63	7402	4.385	ug/l	90
46) Dibromomethane	9.393	93	4837	5.194	ug/l	93
47) Bromodichloromethane	9.581	83	11674	4.726	ug/l #	98
48) Methyl methacrylate	9.375	41	3475	4.109	ug/l #	86
49) 1,4-Dioxane	9.381	88	864	84.430	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	18175	18.923	ug/l	98
52) Toluene	10.334	92	20485	5.027	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	9257	4.280	ug/l #	80
54) cis-1,3-Dichloropropene	10.016	75	11146	4.367	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	6655	5.087	ug/l	94
56) Ethyl methacrylate	10.593	69	6524	4.269	ug/l	97
57) 1,3-Dichloropropane	10.881	76	10180	4.822	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	12032	21.276	ug/l	97
59) 2-Hexanone	10.922	43	14212	19.979	ug/l	98
60) Dibromochloromethane	11.075	129	7974	4.691	ug/l	95
61) 1,2-Dibromoethane	11.175	107	5812	4.827	ug/l	99
64) Tetrachloroethene	10.804	164	7871	5.442	ug/l #	91
65) Chlorobenzene	11.604	112	21982	4.607	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	8323	4.855	ug/l	94
67) Ethyl Benzene	11.681	91	32106	3.978	ug/l	95
68) m/p-Xylenes	11.793	106	24495	7.908	ug/l	99
69) o-Xylene	12.116	106	11696	4.081	ug/l	91
70) Styrene	12.134	104	19787	3.880	ug/l	98
71) Bromoform	12.298	173	4842	4.697	ug/l #	98
73) Isopropylbenzene	12.416	105	29120	3.997	ug/l	99
74) N-amyl acetate	12.234	43	7866	4.464	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	7330	4.962	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	4989m	4.222	ug/l	
77) Bromobenzene	12.698	156	9231	4.897	ug/l	94
78) n-propylbenzene	12.763	91	38652	4.267	ug/l	100
79) 2-Chlorotoluene	12.845	91	22262	4.230	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	25181	4.101	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	1938	3.660	ug/l	90
82) 4-Chlorotoluene	12.945	91	22840	4.040	ug/l	97
83) tert-Butylbenzene	13.163	119	20801	3.952	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	23892	3.874	ug/l	98
85) sec-Butylbenzene	13.345	105	32718	4.045	ug/l	99
86) p-Isopropyltoluene	13.457	119	25372	3.760	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	16647	4.316	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	17796	4.618	ug/l	94
89) n-Butylbenzene	13.787	91	24771	3.795	ug/l	97
90) Hexachloroethane	14.051	117	6895	4.622	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	15272	4.533	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1016	4.119	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	8456	4.005	ug/l	99
94) Hexachlorobutadiene	15.204	225	5101	4.387	ug/l	92
95) Naphthalene	15.334	128	15347	4.076	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	8345	4.460	ug/l	97

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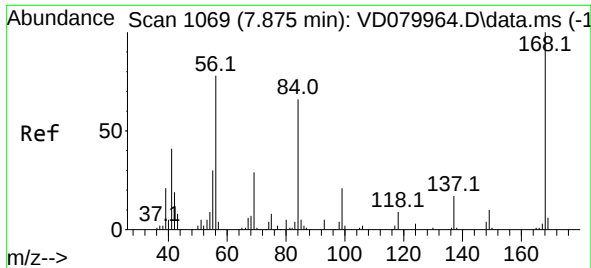
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

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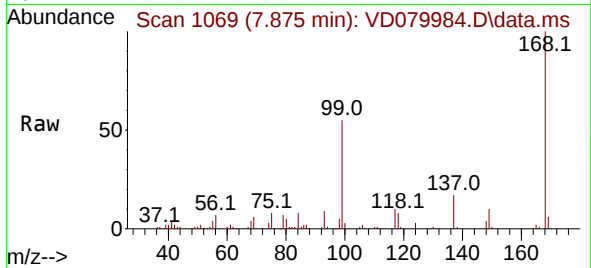
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
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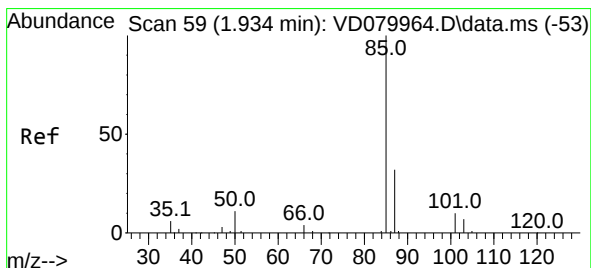
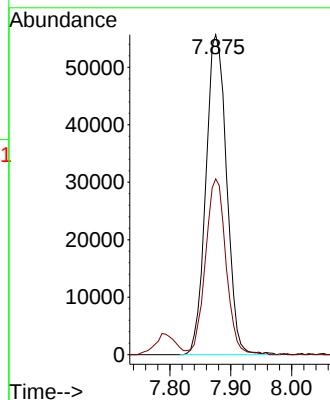
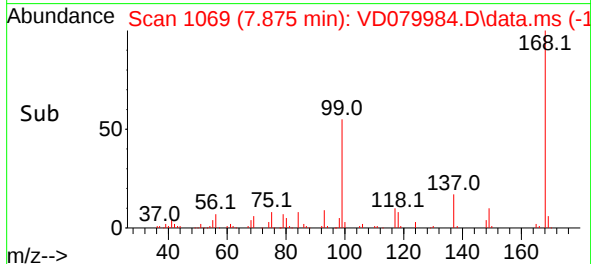
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:168 Resp: 13156
Ion Ratio Lower Upper
168 100
99 54.6 46.0 69.0

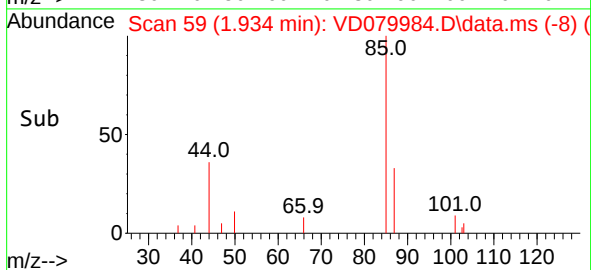
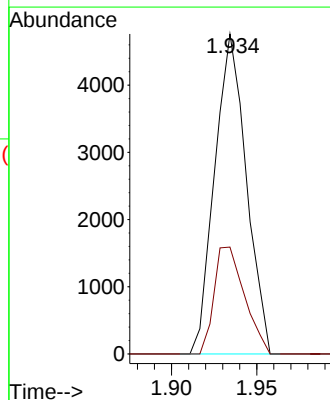
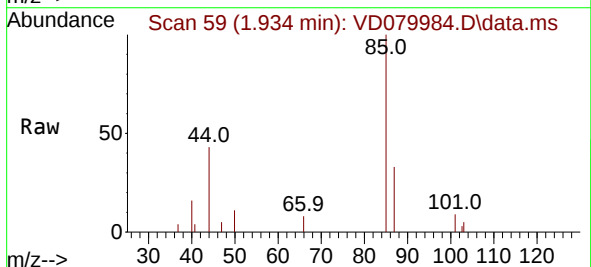
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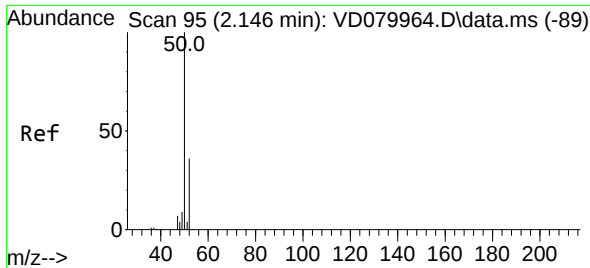
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#2
Dichlorodifluoromethane
Concen: 4.750 ug/l
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

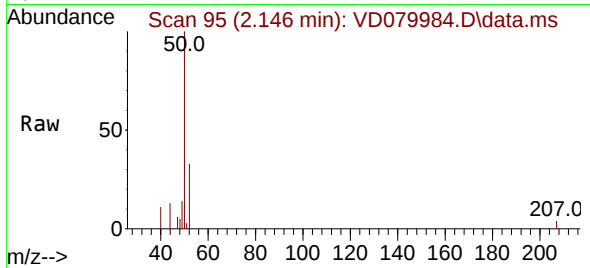
Tgt Ion: 85 Resp: 6142
Ion Ratio Lower Upper
85 100
87 33.4 16.1 48.2





#3
Chloromethane
Concen: 4.329 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

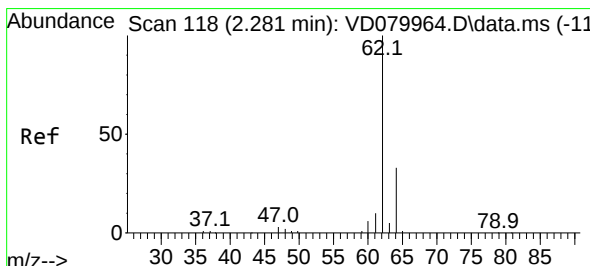
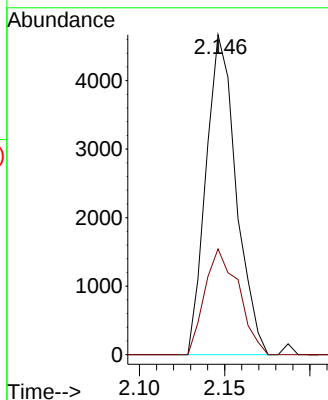
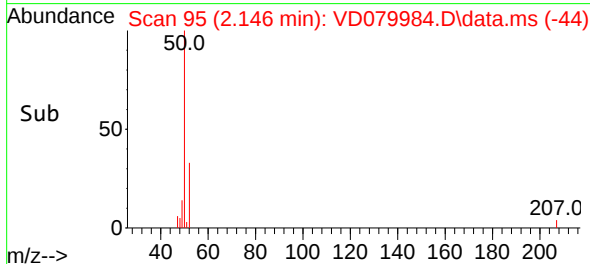
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 50 Resp: 5749
Ion Ratio Lower Upper
50 100
52 33.0 28.8 43.2

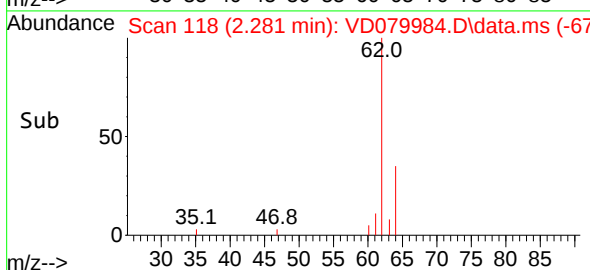
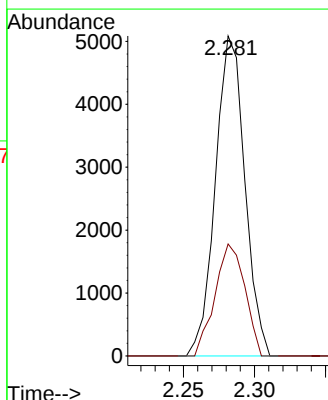
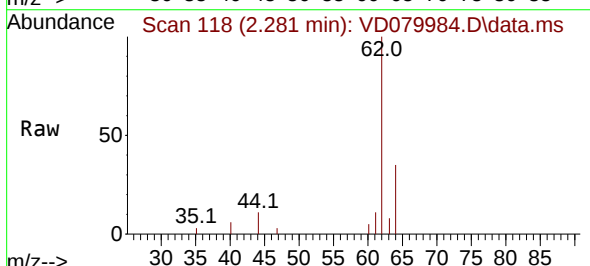
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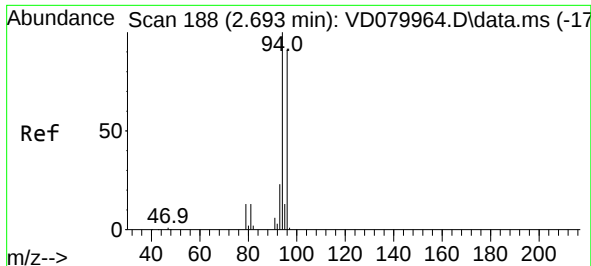
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#4
Vinyl Chloride
Concen: 4.436 ug/l
RT: 2.281 min Scan# 118
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

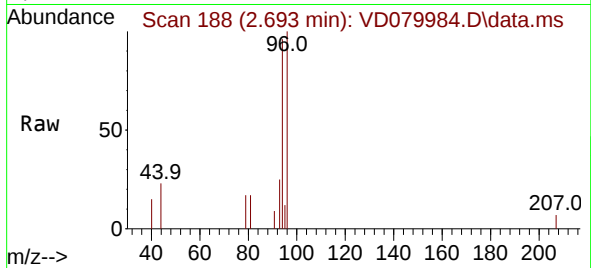
Tgt Ion: 62 Resp: 7325
Ion Ratio Lower Upper
62 100
64 35.0 26.5 39.7





#5
Bromomethane
Concen: 4.259 ug/l
RT: 2.693 min Scan# 188
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

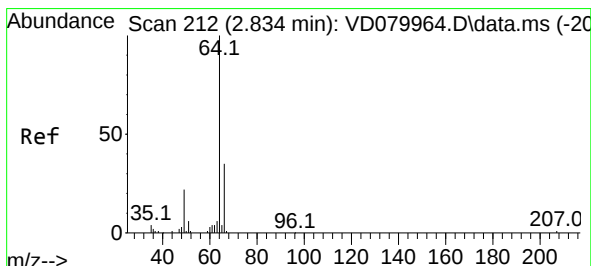
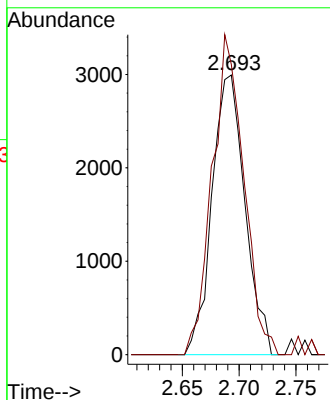
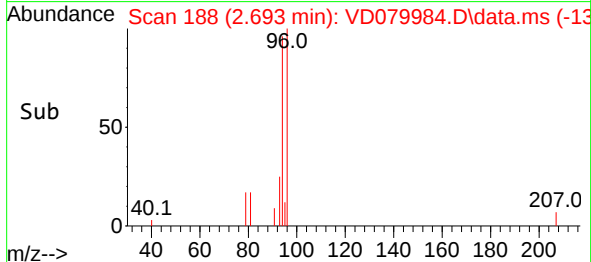
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Tgt Ion: 94 Resp: 6050
Ion Ratio Lower Upper
94 100
96 109.7 76.2 114.2

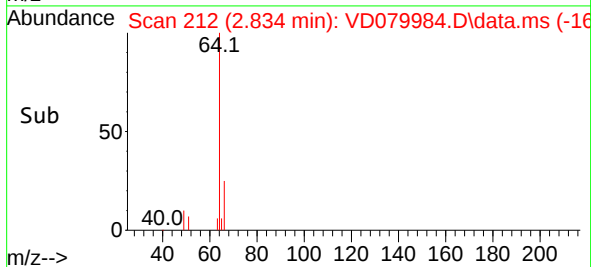
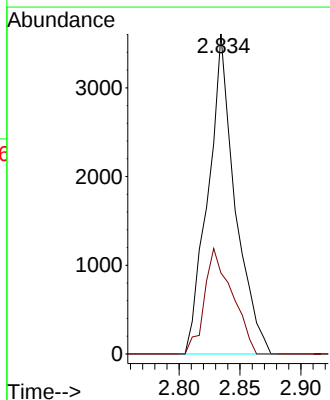
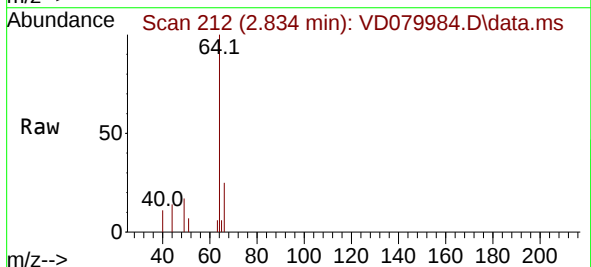
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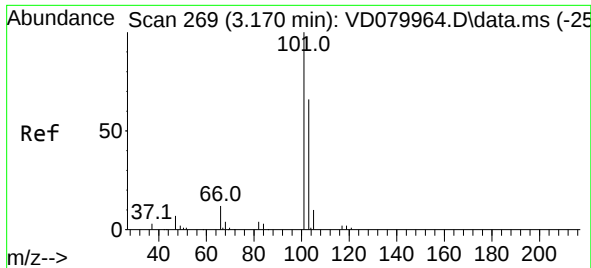
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#6
Chloroethane
Concen: 4.938 ug/l
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

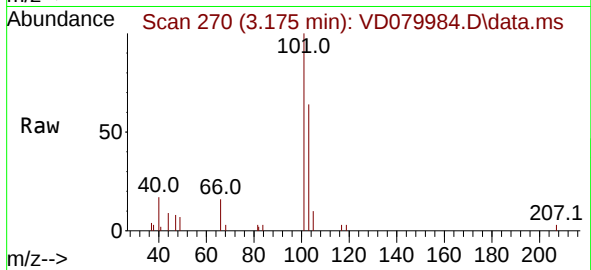
Tgt Ion: 64 Resp: 5567
Ion Ratio Lower Upper
64 100
66 25.3 27.6 41.4#





#7
Trichlorofluoromethane
Concen: 4.944 ug/l
RT: 3.175 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

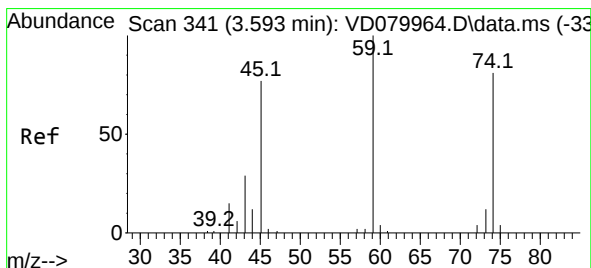
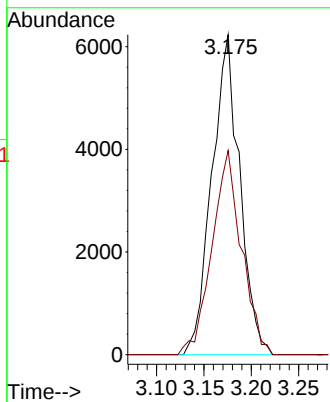
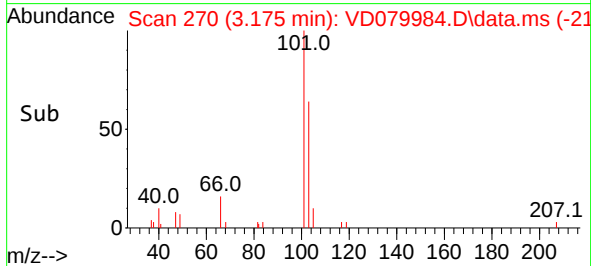
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:101 Resp: 1279
Ion Ratio Lower Upper
101 100
103 63.8 53.0 79.6

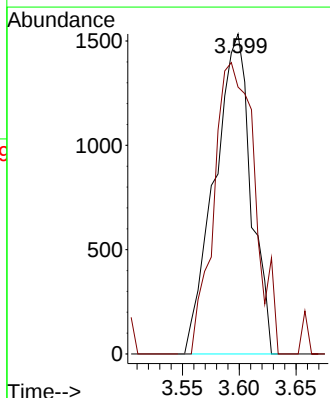
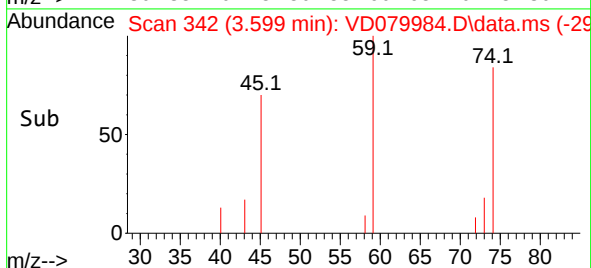
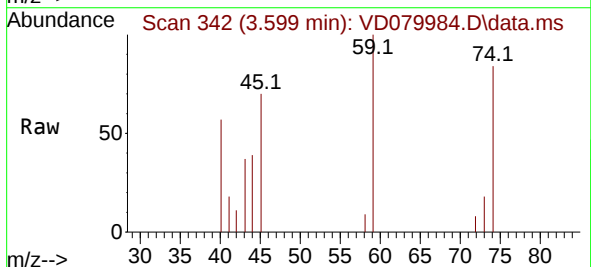
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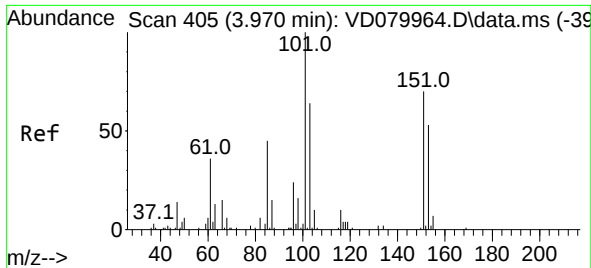
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#8
Diethyl Ether
Concen: 4.832 ug/l
RT: 3.599 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion: 74 Resp: 3434
Ion Ratio Lower Upper
74 100
45 101.7 47.8 143.3





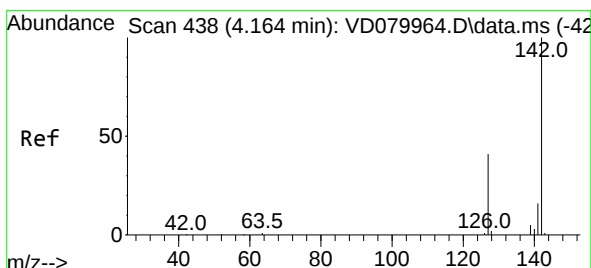
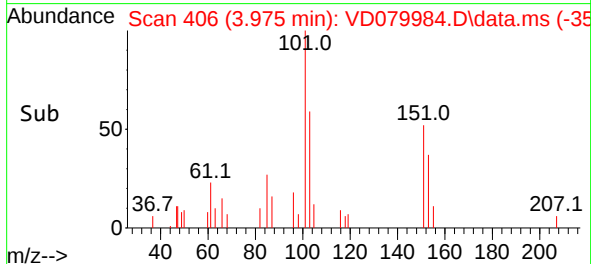
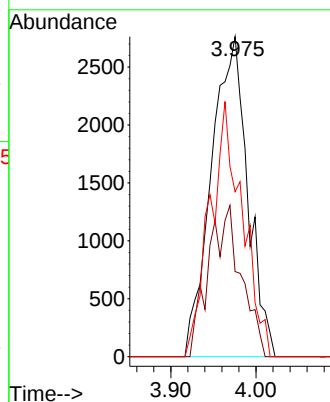
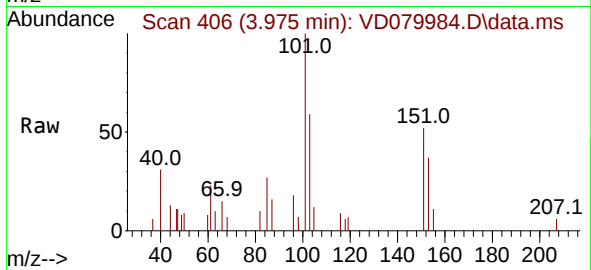
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.169 ug/l
RT: 3.975 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:101 Resp: 8214
Ion Ratio Lower Upper
101 100
85 42.6 35.3 52.9
151 70.9 60.3 90.5

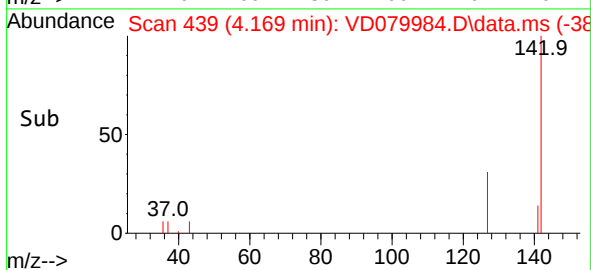
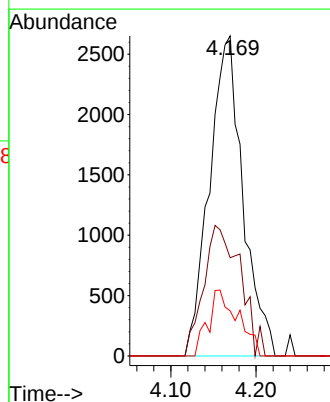
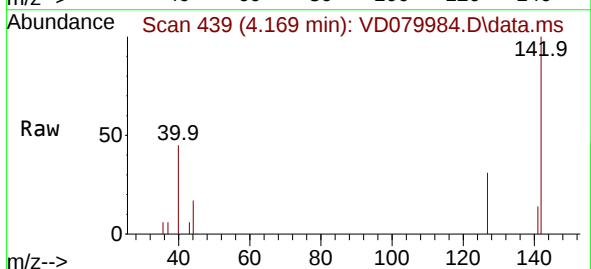
Manual Integrations
APPROVED

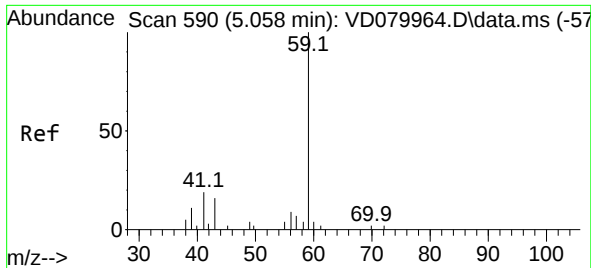
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#10
Methyl Iodide
Concen: 4.641 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

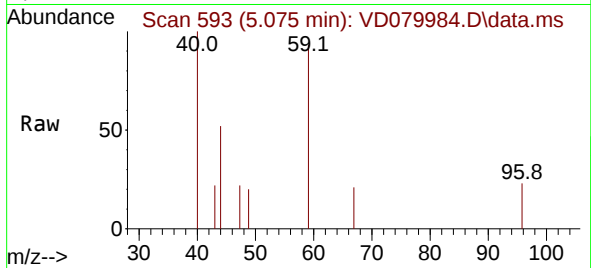
Tgt Ion:142 Resp: 7231
Ion Ratio Lower Upper
142 100
127 44.6 35.3 52.9
141 18.4 12.2 18.2#





#11
Tert butyl alcohol
Concen: 24.438 ug/l m
RT: 5.075 min Scan# 591
Delta R.T. 0.018 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

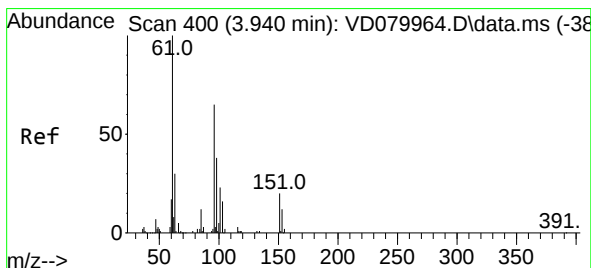
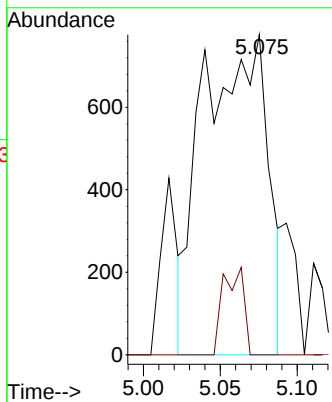
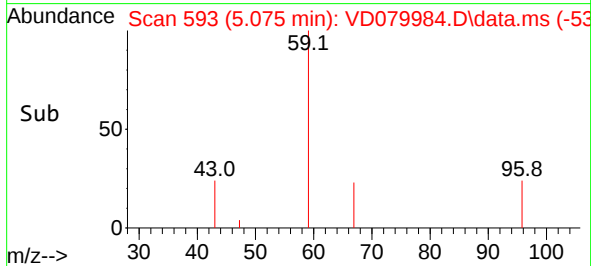
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



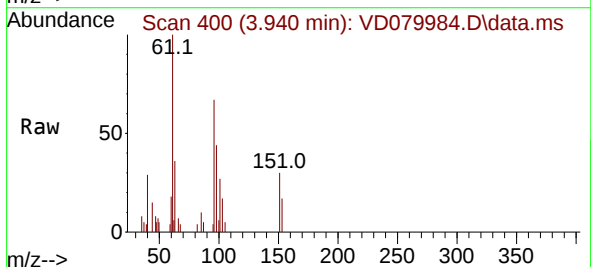
Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2

Manual Integrations
APPROVED

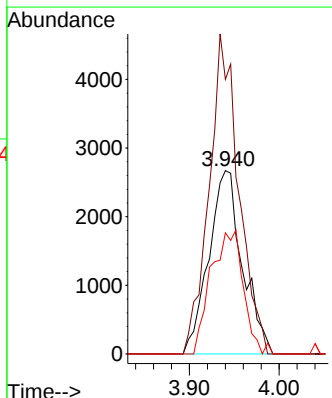
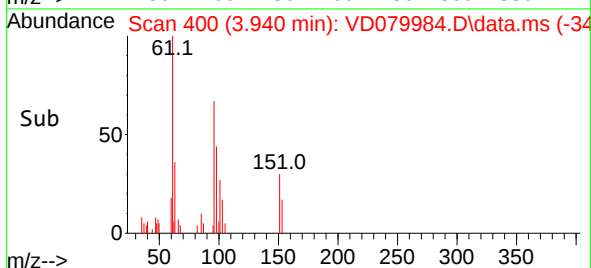
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

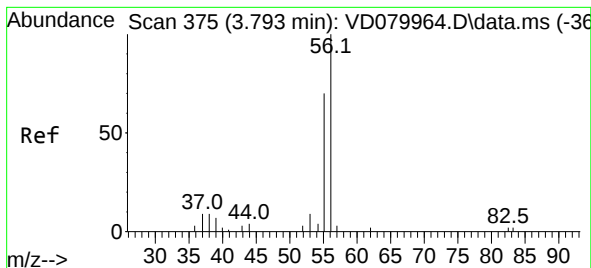


#12
1,1-Dichloroethene
Concen: 4.932 ug/l
RT: 3.940 min Scan# 400
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



Tgt Ion: 96 Resp: 6971
Ion Ratio Lower Upper
96 100
61 149.7 122.6 184.0
98 66.0 47.1 70.7





#13

Acrolein

Concen: 27.785 ug/l

RT: 3.805 min Scan# 31

Delta R.T. 0.012 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion: 56 Resp: 272

Ion Ratio Lower Upper

56 100

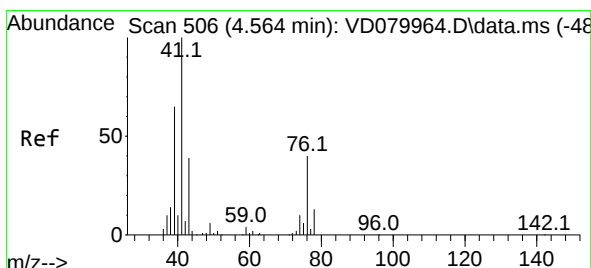
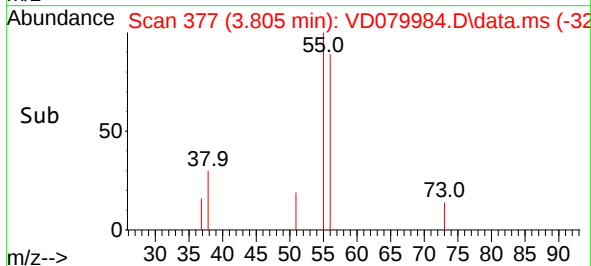
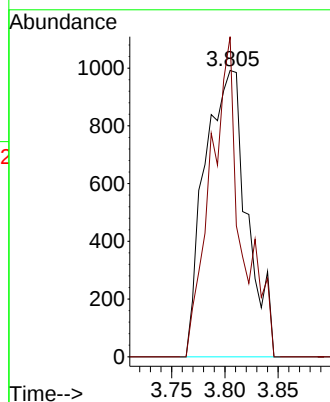
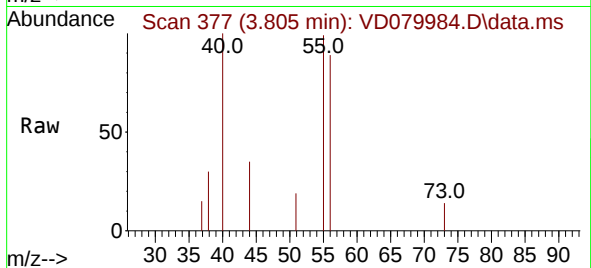
55 70.6 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024

Supervised By :Semsettin Yesilyurt 10/16/2024



#14

Allyl chloride

Concen: 4.632 ug/l

RT: 4.552 min Scan# 504

Delta R.T. -0.012 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

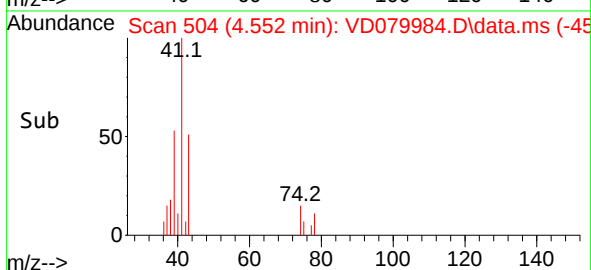
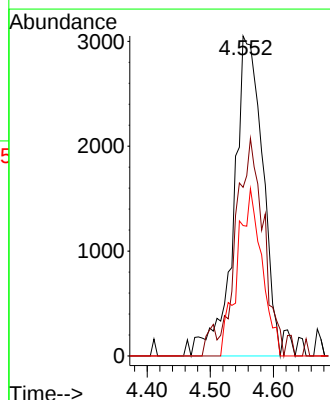
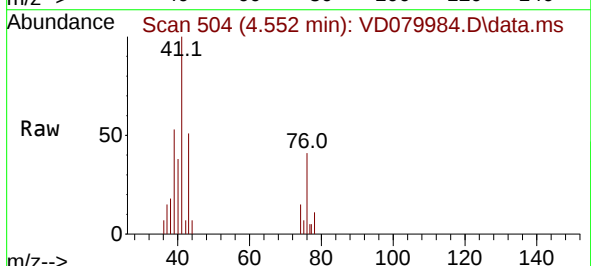
Tgt Ion: 41 Resp: 9726

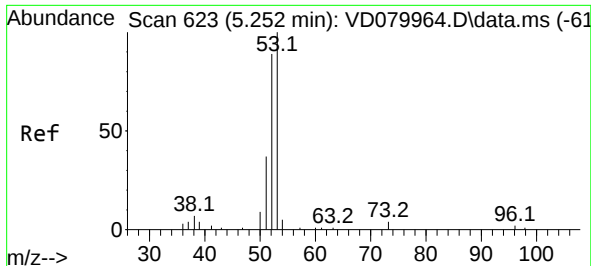
Ion Ratio Lower Upper

41 100

39 63.4 53.3 79.9

76 44.3 32.0 48.0





#15

Acrylonitrile

Concen: 23.769 ug/l

RT: 5.258 min Scan# 61

Delta R.T. 0.006 min

Lab File: VD079984.D

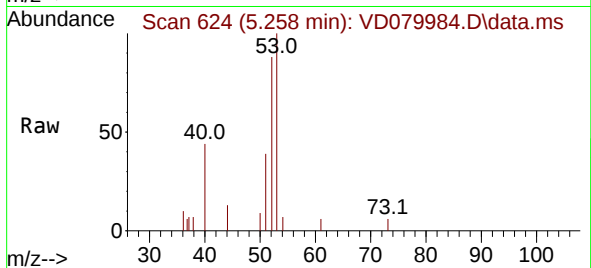
Acq: 15 Oct 2024 15:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2024



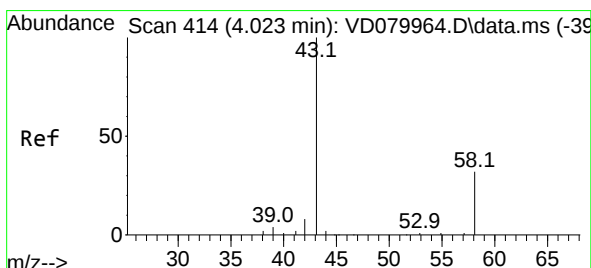
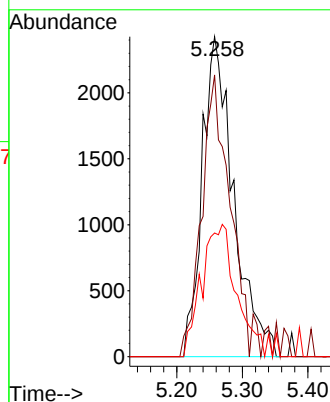
Tgt Ion: 53	Resp: 807
Ion Ratio	Lower Upper
53	100
52	78.0 66.2 99.4
51	45.6 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024

Supervised By :Semsettin Yesilyurt 10/16/2024



#16

Acetone

Concen: 20.515 ug/l

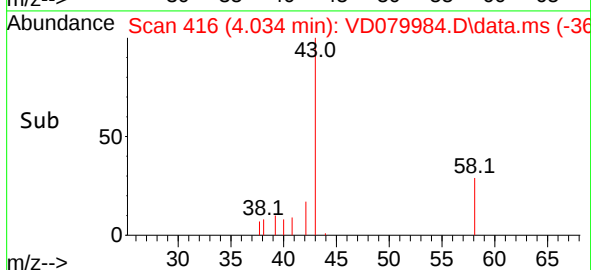
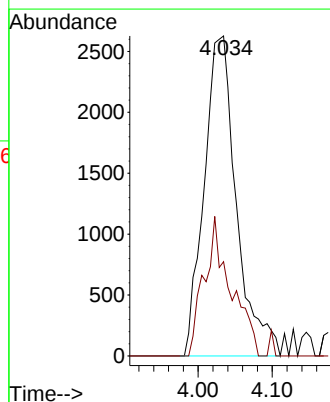
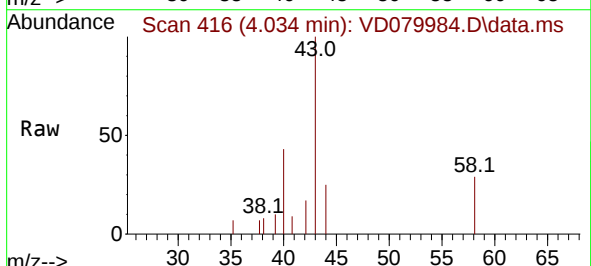
RT: 4.034 min Scan# 416

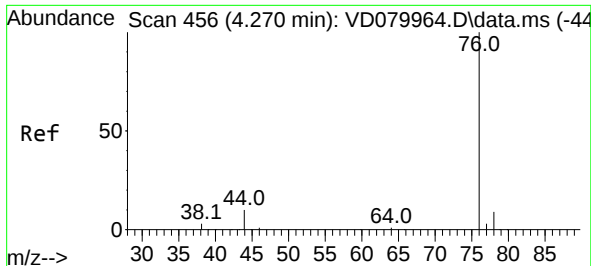
Delta R.T. 0.012 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

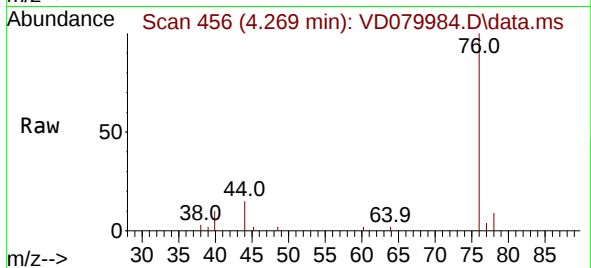
Tgt Ion: 43	Resp: 7958
Ion Ratio	Lower Upper
43	100
58	29.4 25.4 38.2





#17
Carbon Disulfide
Concen: 5.226 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

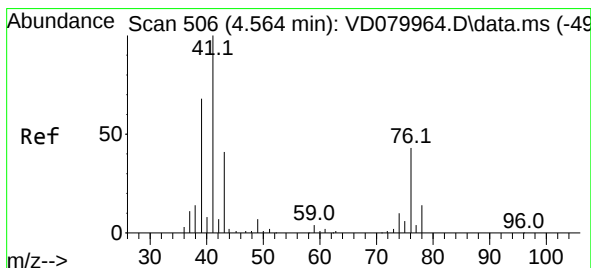
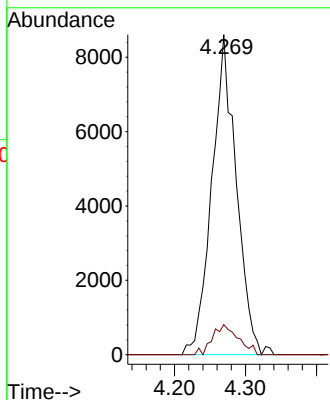
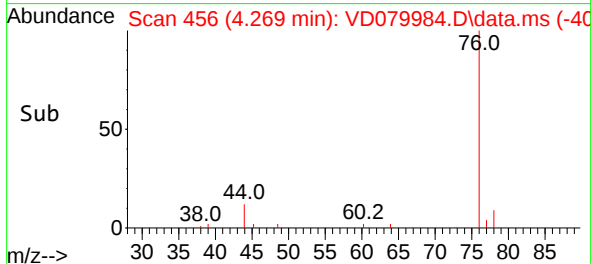
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



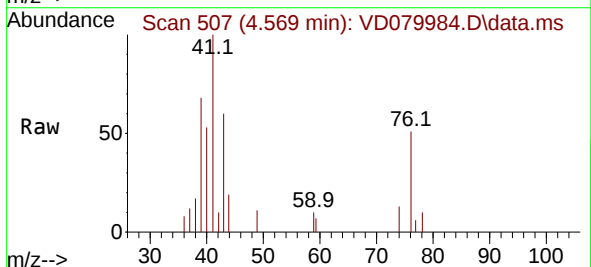
Tgt Ion: 76 Resp: 20592
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

Manual Integrations
APPROVED

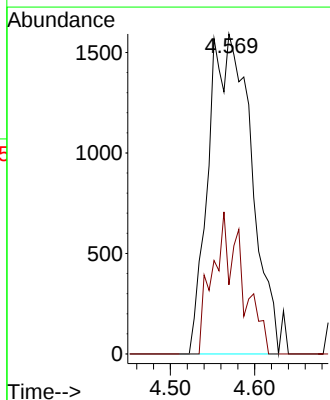
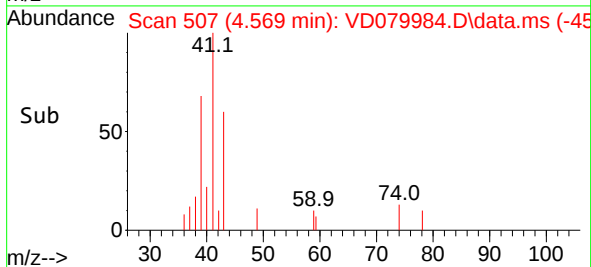
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

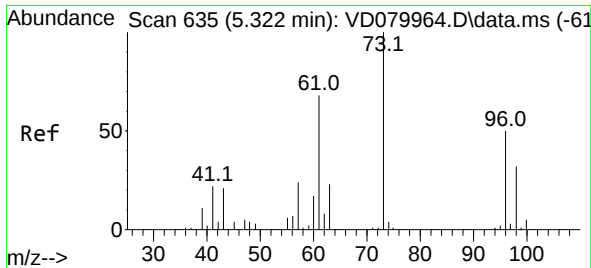


#18
Methyl Acetate
Concen: 6.718 ug/l m
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



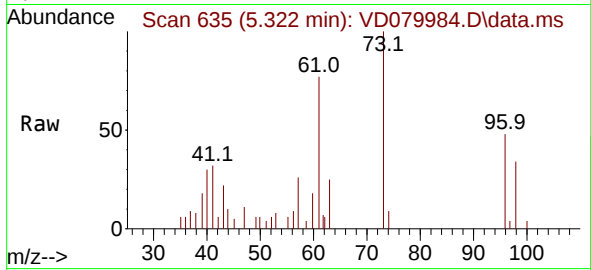
Tgt Ion: 43 Resp: 5594
Ion Ratio Lower Upper
43 100
74 30.8 20.5 30.7#





#19
Methyl tert-butyl Ether
Concen: 4.420 ug/l m
RT: 5.322 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

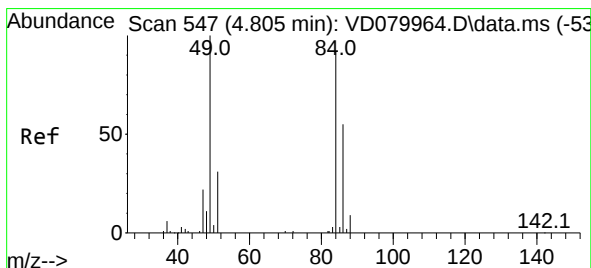
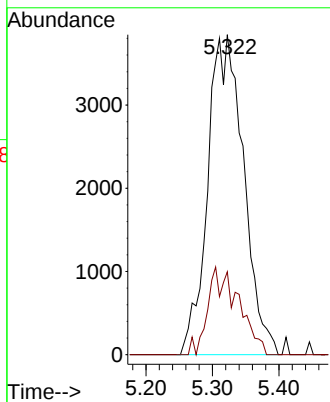
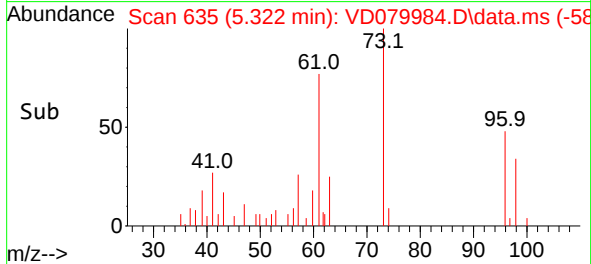
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



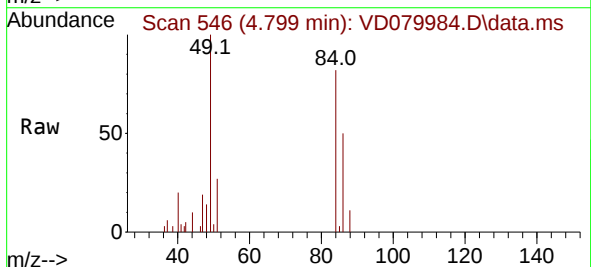
Tgt Ion: 73 Resp: 14429
Ion Ratio Lower Upper
73 100
57 25.9 18.8 28.2

Manual Integrations
APPROVED

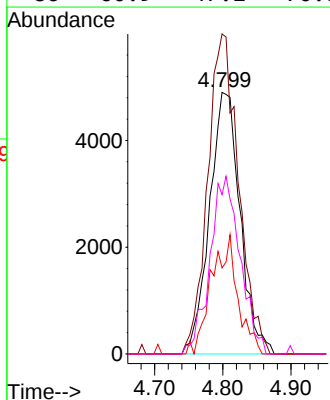
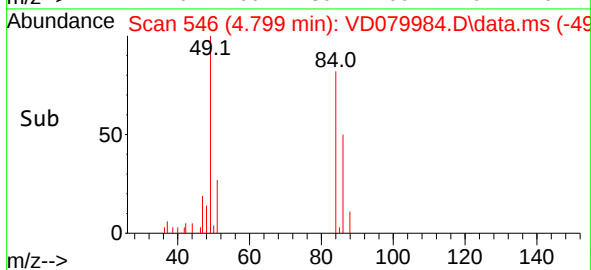
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

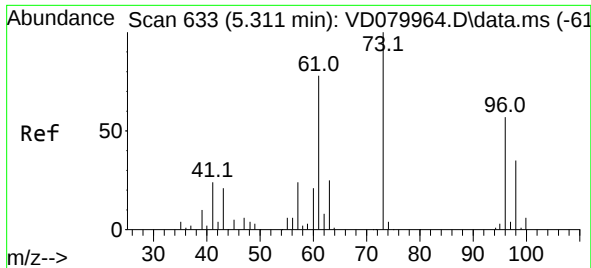


#20
Methylene Chloride
Concen: 8.028 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



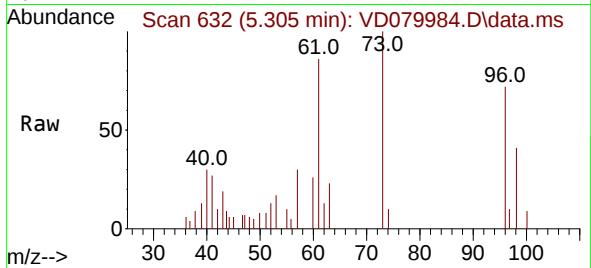
Tgt Ion: 84 Resp: 15297
Ion Ratio Lower Upper
84 100
49 122.3 86.5 129.7
51 32.9 26.9 40.3
86 60.9 47.2 70.8





#21
trans-1,2-Dichloroethene
Concen: 5.083 ug/l
RT: 5.305 min Scan# 610
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

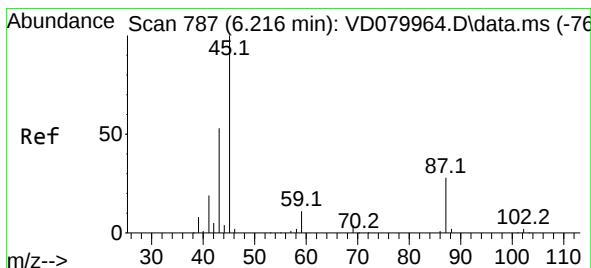
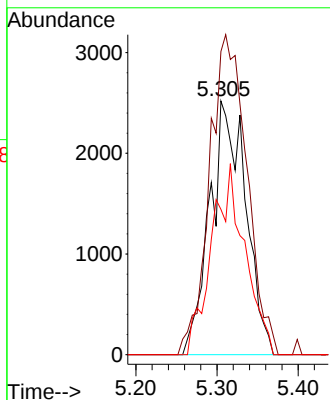
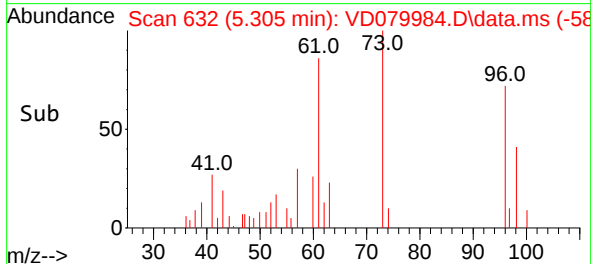
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 96 Resp: 7710
Ion Ratio Lower Upper
96 100
61 119.6 109.4 164.0
98 57.3 49.8 74.8

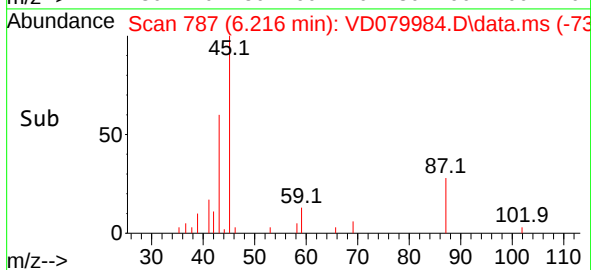
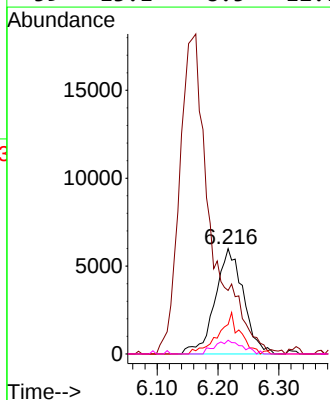
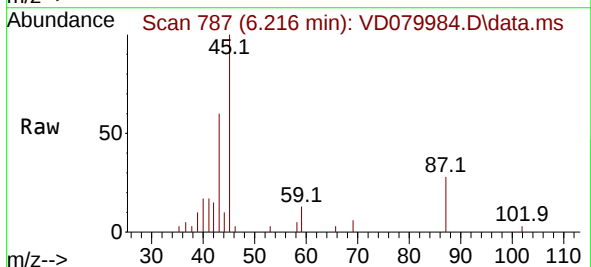
Manual Integrations
APPROVED

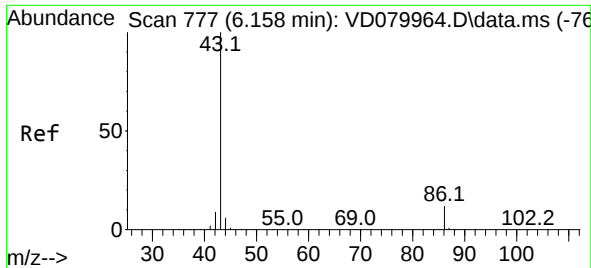
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#22
Diisopropyl ether
Concen: 4.234 ug/l
RT: 6.216 min Scan# 787
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion: 45 Resp: 19279
Ion Ratio Lower Upper
45 100
43 57.5 42.6 63.8
87 28.0 22.7 34.1
59 13.1 8.5 12.7#





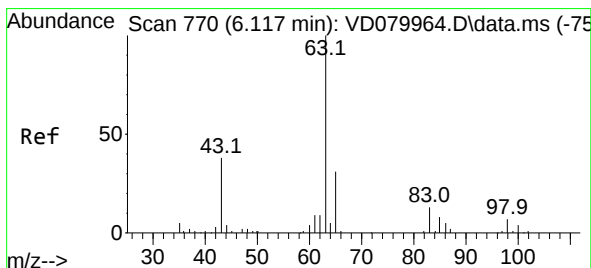
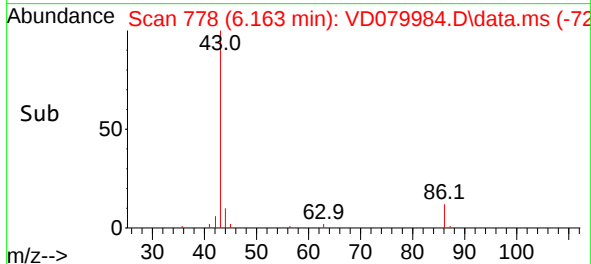
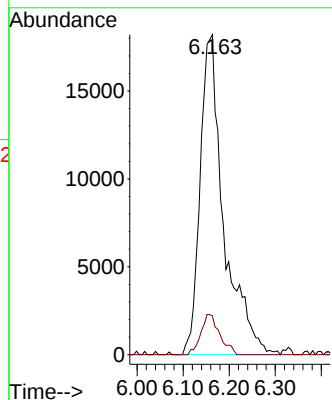
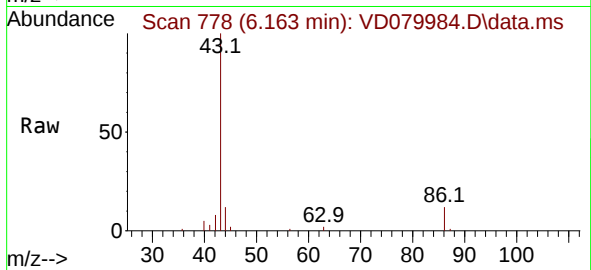
#23
Vinyl Acetate
Concen: 25.464 ug/l
RT: 6.163 min Scan# 715
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 43 Resp: 6514
Ion Ratio Lower Upper
43 100
86 12.2 9.4 14.0

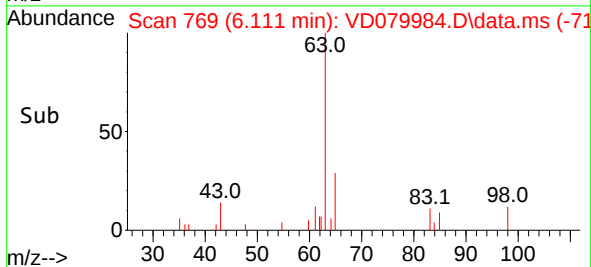
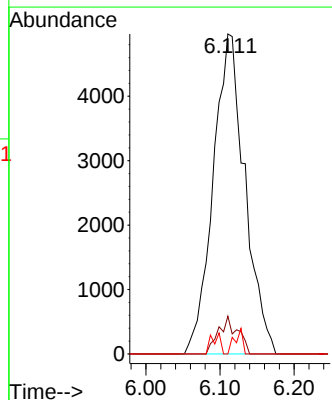
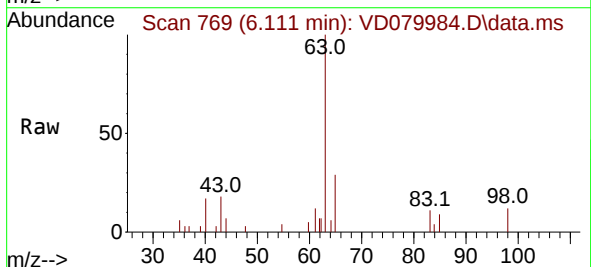
Manual Integrations
APPROVED

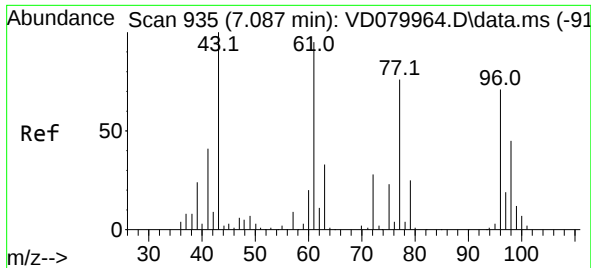
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#24
1,1-Dichloroethane
Concen: 4.923 ug/l
RT: 6.111 min Scan# 769
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

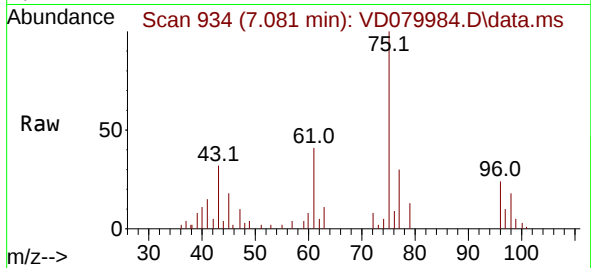
Tgt Ion: 63 Resp: 14770
Ion Ratio Lower Upper
63 100
98 11.8 3.5 10.6#
100 0.0 2.1 6.5#





#25
2-Butanone
Concen: 22.362 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

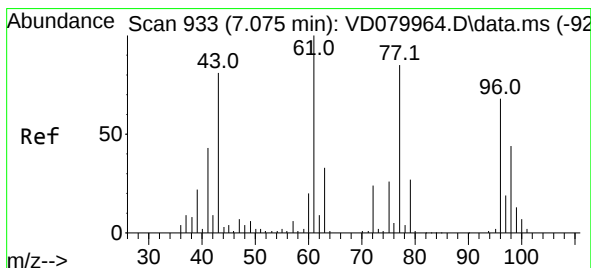
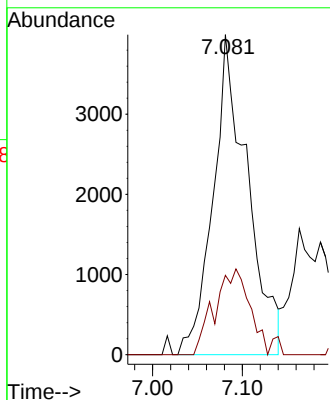
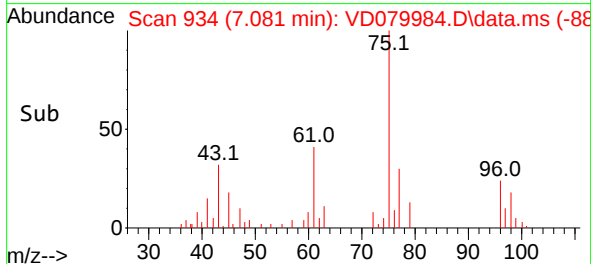
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
72 24.8 22.3 33.5

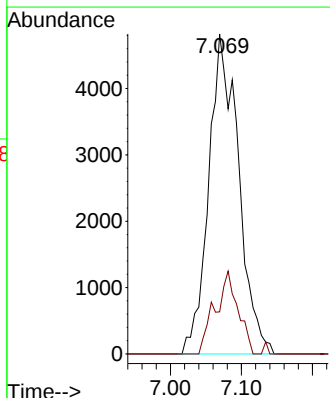
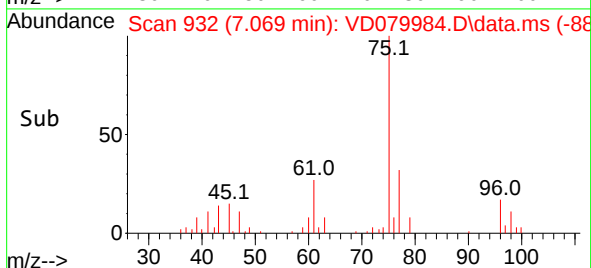
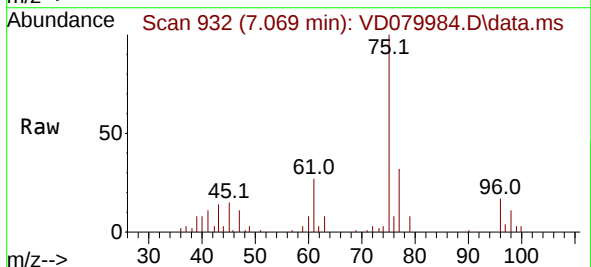
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#26
2,2-Dichloropropane
Concen: 5.410 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion: 77 Resp: 14043
Ion Ratio Lower Upper
77 100
97 19.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 4.610 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion: 96 Resp: 870

Ion Ratio Lower Upper

96 100

61 160.9 0.0 278.2

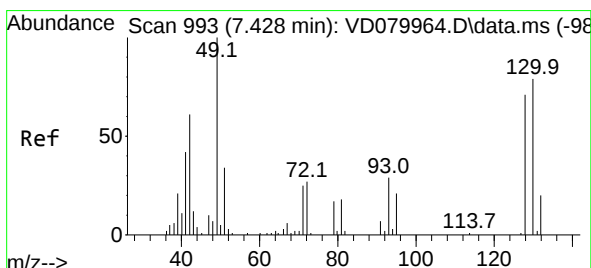
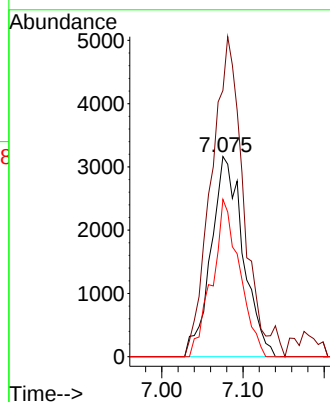
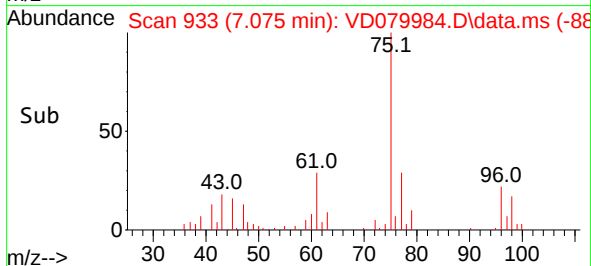
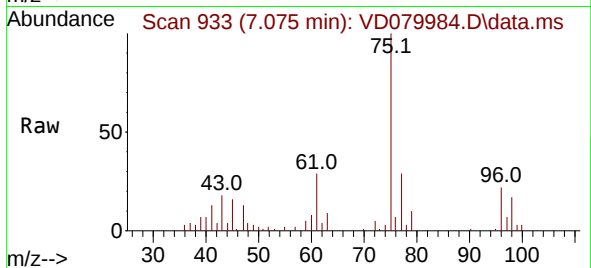
98 67.0 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024

Supervised By :Semsettin Yesilyurt 10/16/2024



#28

Bromochloromethane

Concen: 4.455 ug/l

RT: 7.428 min Scan# 993

Delta R.T. -0.000 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

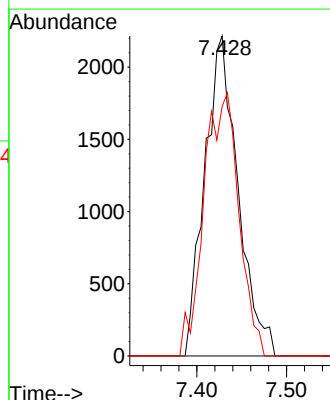
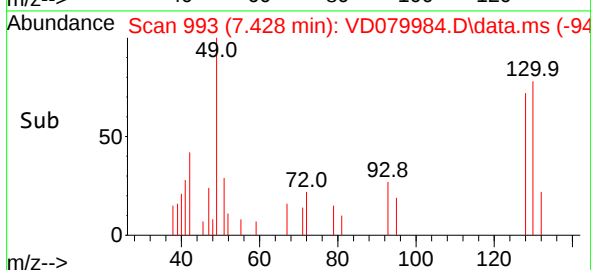
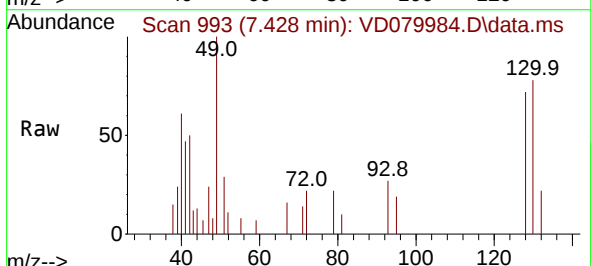
Tgt Ion: 49 Resp: 5704

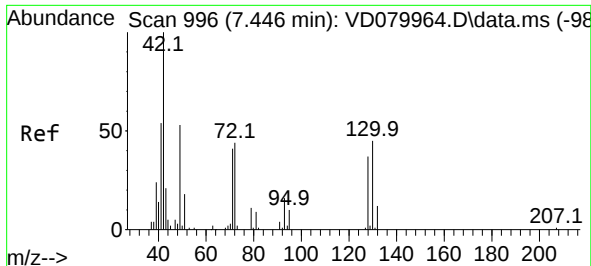
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

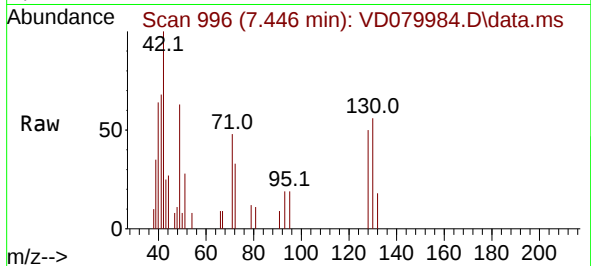
130 86.5 64.6 97.0





#29
Tetrahydrofuran
Concen: 23.252 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

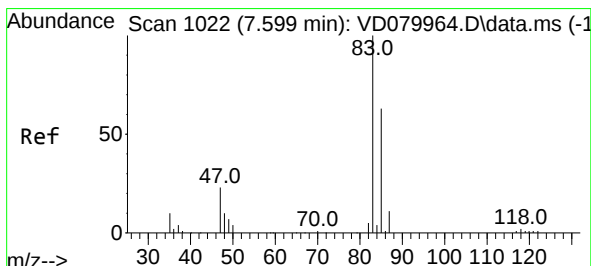
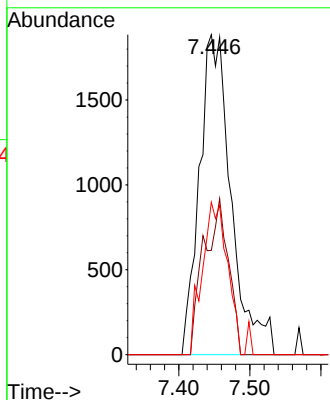
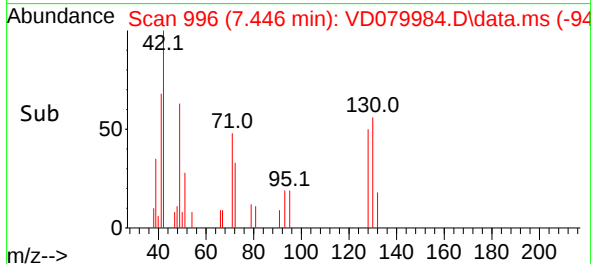
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 42 Resp: 5874
Ion Ratio Lower Upper
42 100
72 37.8 36.7 55.1
71 37.7 34.4 51.6

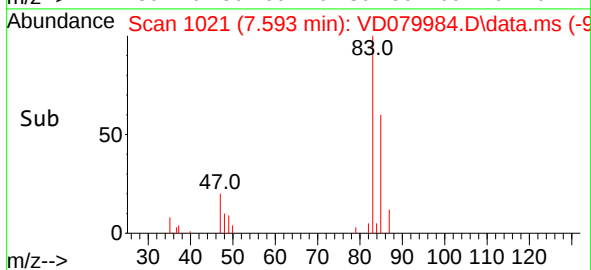
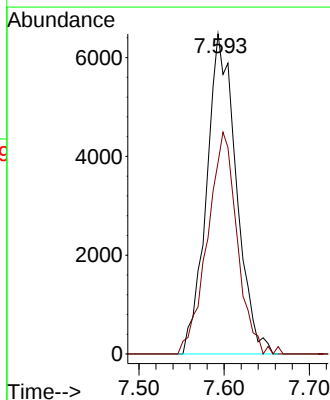
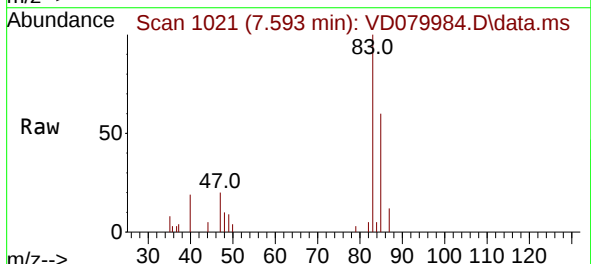
Manual Integrations
APPROVED

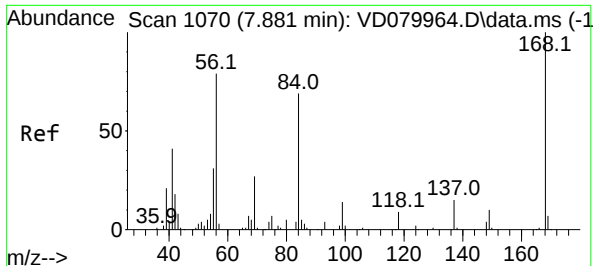
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#30
Chloroform
Concen: 4.942 ug/l
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

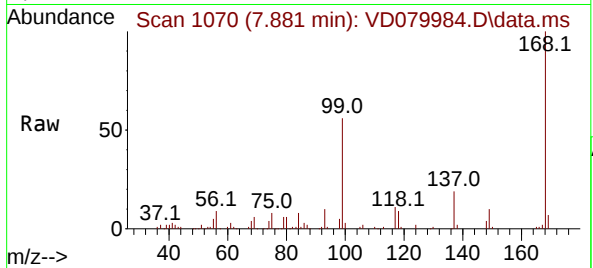
Tgt Ion: 83 Resp: 15705
Ion Ratio Lower Upper
83 100
85 59.8 50.8 76.2





#31
Cyclohexane
Concen: 5.369 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

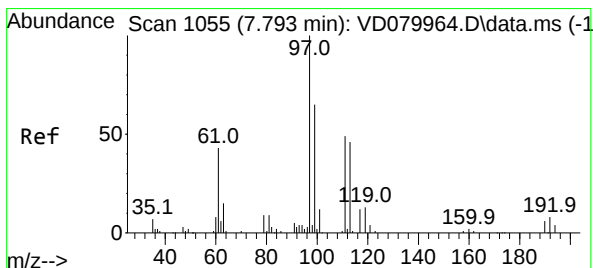
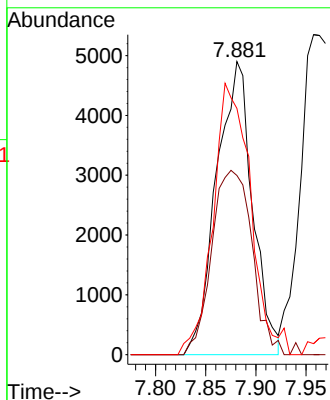
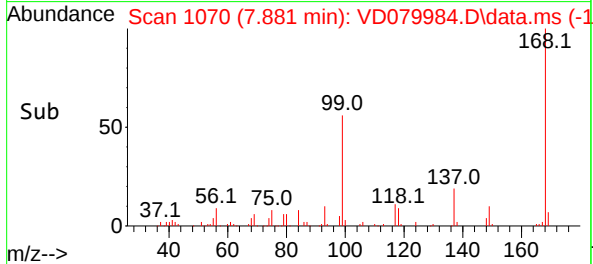
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 56 Resp: 12210
Ion Ratio Lower Upper
56 100
69 61.2 27.3 40.9
84 84.0 70.2 105.4

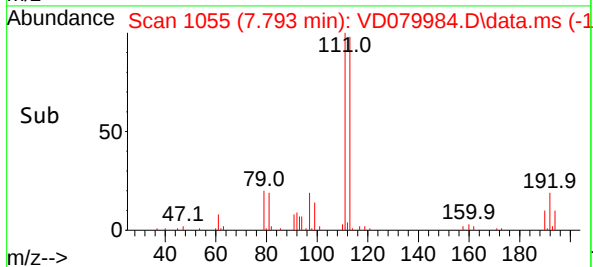
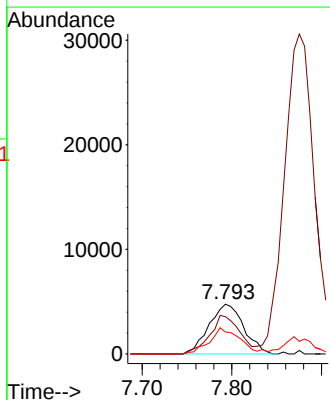
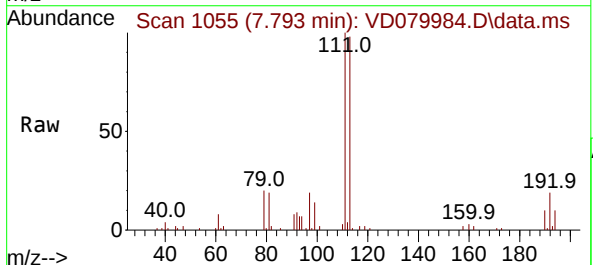
Manual Integrations
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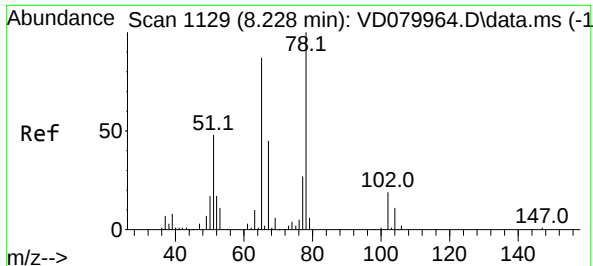
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#32
1,1,1-Trichloroethane
Concen: 4.836 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

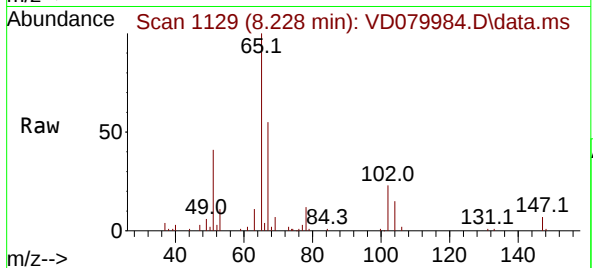
Tgt Ion: 97 Resp: 12729
Ion Ratio Lower Upper
97 100
99 65.8 50.7 76.1
61 46.6 34.2 51.2





#33
1,2-Dichloroethane-d4
Concen: 55.652 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

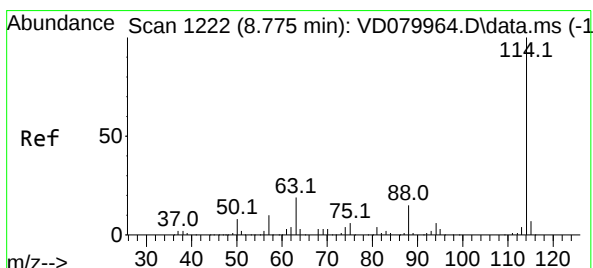
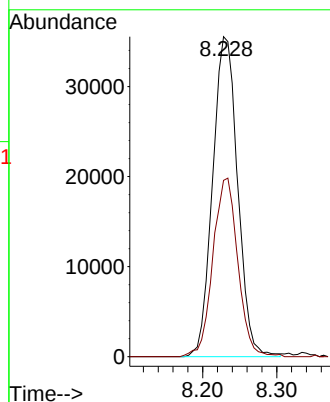
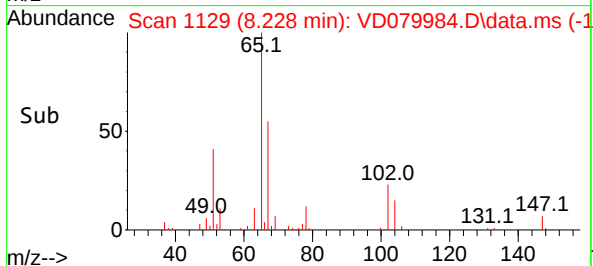
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 65 Resp: 8328
Ion Ratio Lower Upper
65 100
67 55.7 0.0 109.2

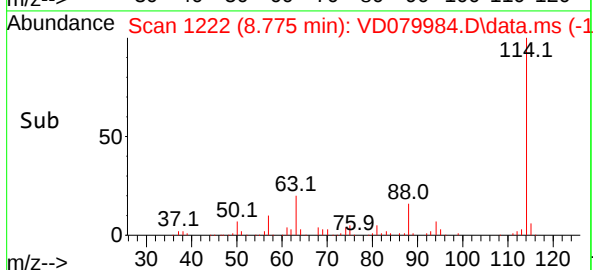
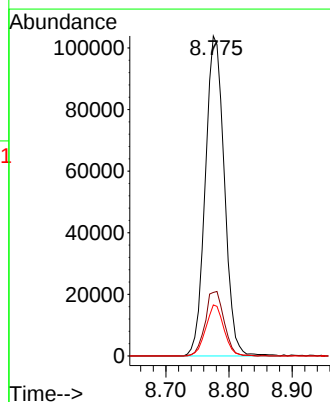
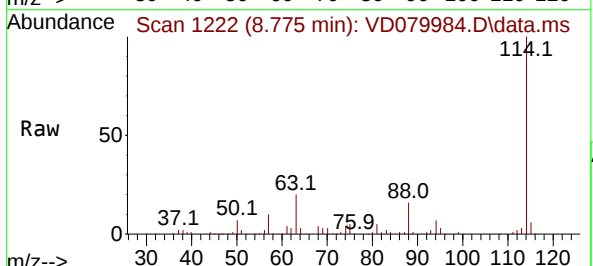
Manual Integrations
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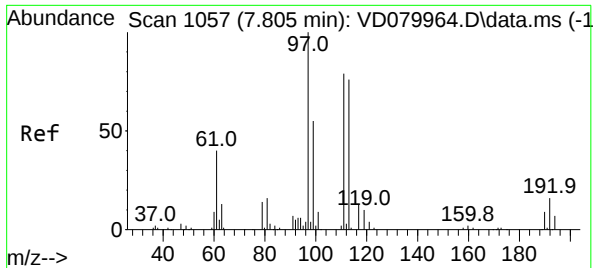
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

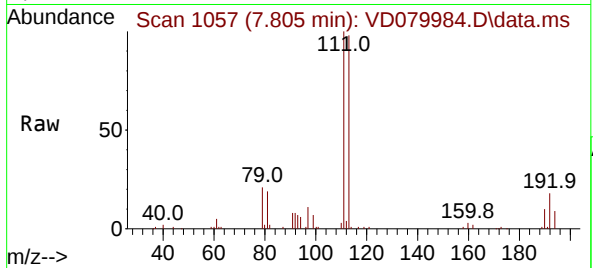
Tgt Ion:114 Resp: 217587
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.8
88 16.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 56.524 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

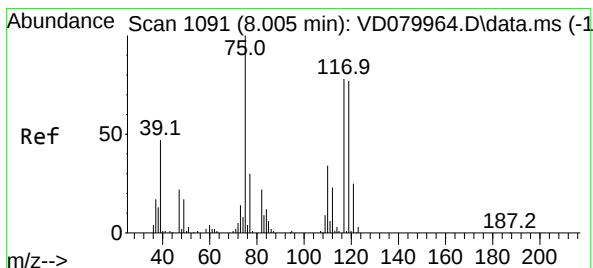
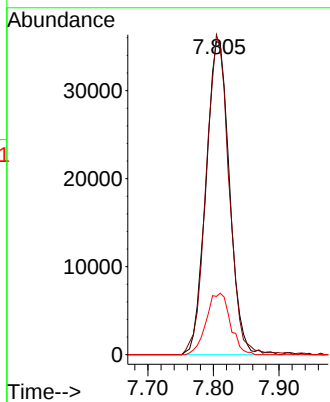
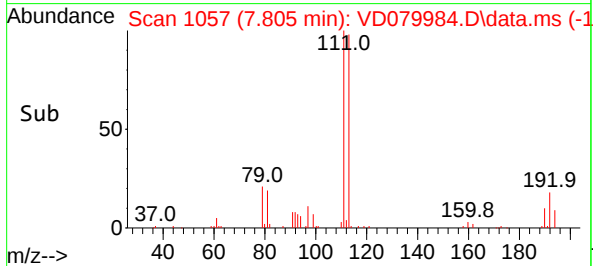
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 113 Resp: 88770
Ion Ratio Lower Upper
113 100
111 99.3 82.5 123.7
192 20.0 16.6 25.0

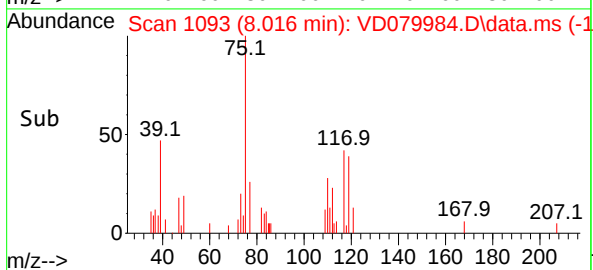
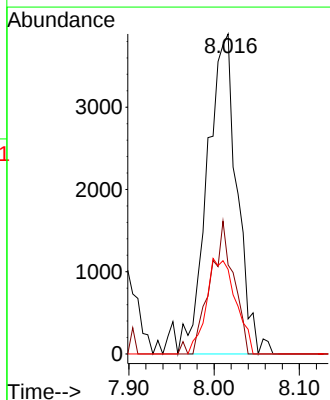
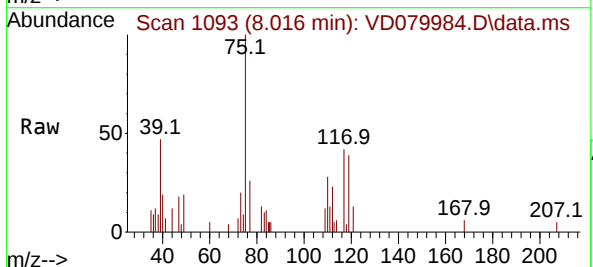
Manual Integrations
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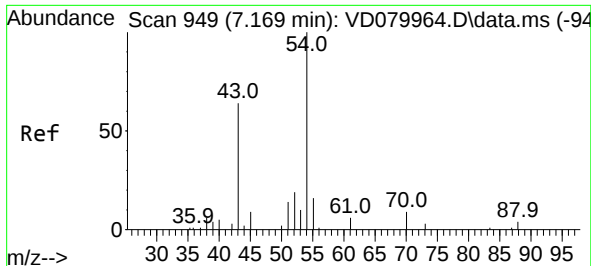
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#36
1,1-Dichloropropene
Concen: 4.493 ug/l
RT: 8.016 min Scan# 1093
Delta R.T. 0.012 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion: 75 Resp: 9458
Ion Ratio Lower Upper
75 100
110 32.1 18.4 55.0
77 29.3 25.6 38.4





#37

Ethyl Acetate

Concen: 4.087 ug/l m

RT: 7.163 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD079984.D

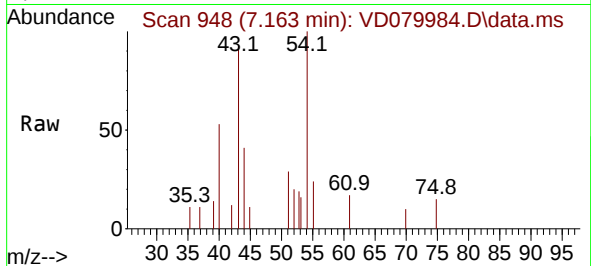
Acq: 15 Oct 2024 15:04

Instrument :

MSVOA_D

ClientSampleId :

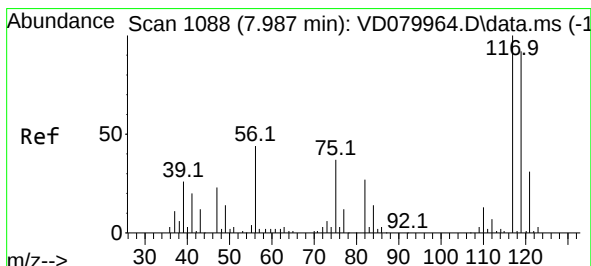
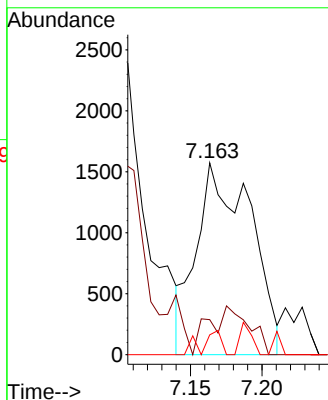
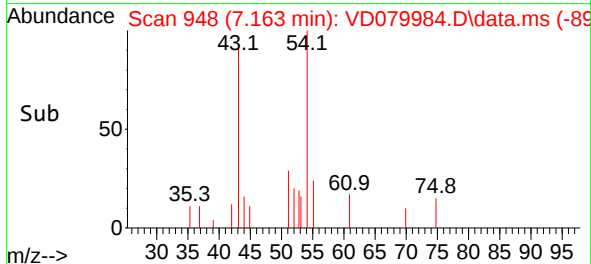
MDL-SOIL-03-QT4-2024



Tgt Ion: 43	Resp: 416
Ion Ratio	Lower Upper
43	100
61	18.7 11.0 16.4
70	4.4 9.4 14.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#38

Carbon Tetrachloride

Concen: 4.795 ug/l

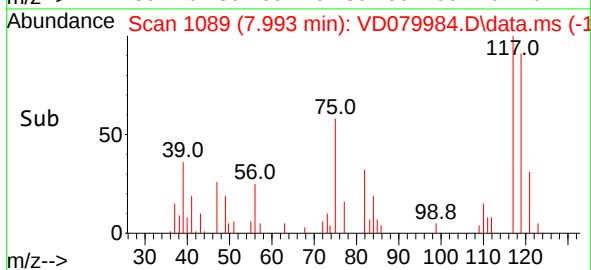
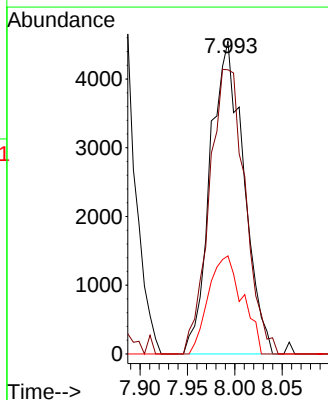
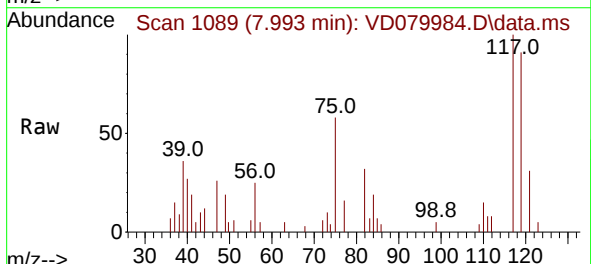
RT: 7.993 min Scan# 1089

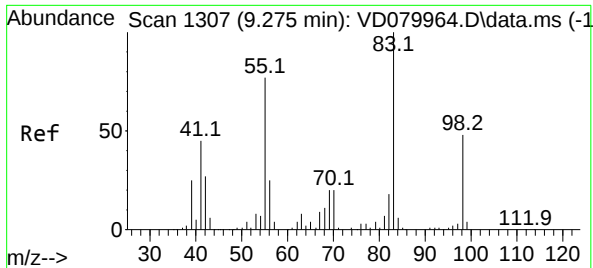
Delta R.T. 0.006 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

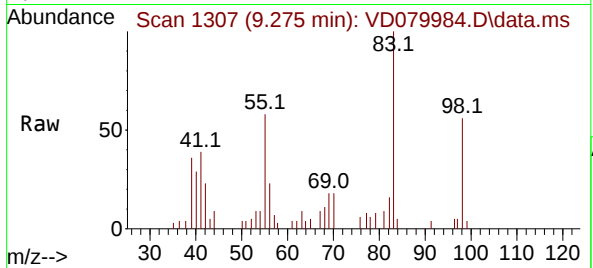
Tgt Ion: 117	Resp: 11215
Ion Ratio	Lower Upper
117	100
119	90.9 73.4 110.0
121	31.4 24.5 36.7





#39
Methylcyclohexane
Concen: 4.064 ug/l
RT: 9.275 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

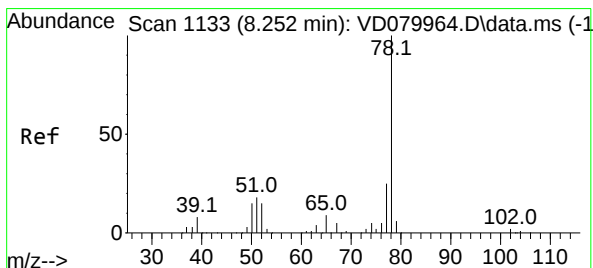
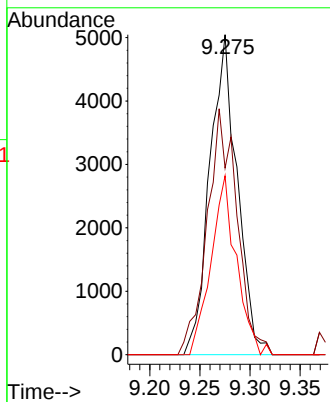
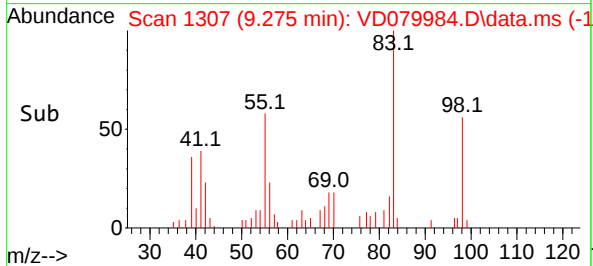
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 83 Resp: 9600
Ion Ratio Lower Upper
83 100
55 58.3 62.0 93.0
98 55.9 38.7 58.1

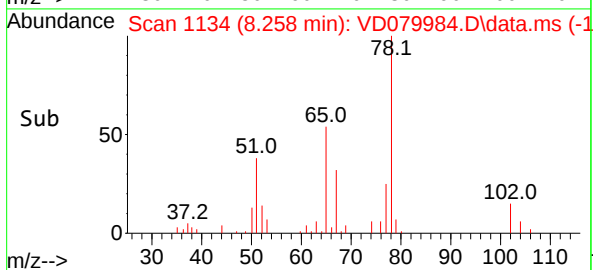
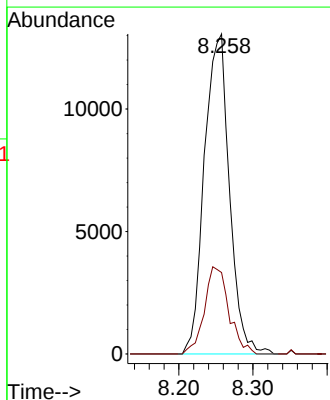
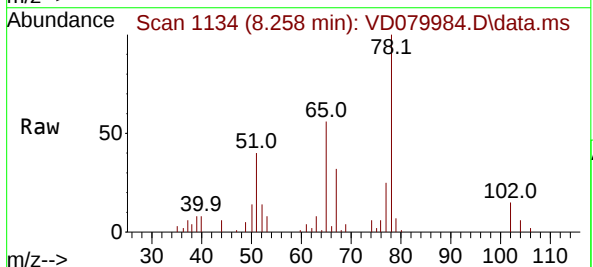
Manual Integrations
APPROVED

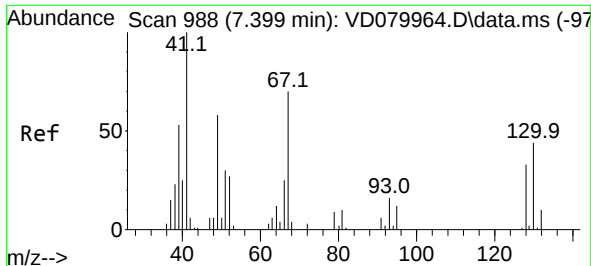
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#40
Benzene
Concen: 4.611 ug/l
RT: 8.258 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

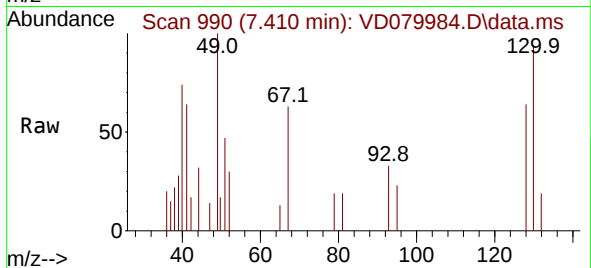
Tgt Ion: 78 Resp: 30689
Ion Ratio Lower Upper
78 100
77 25.4 20.2 30.4





#41
Methacrylonitrile
Concen: 4.042 ug/l
RT: 7.410 min Scan# 990
Delta R.T. 0.012 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

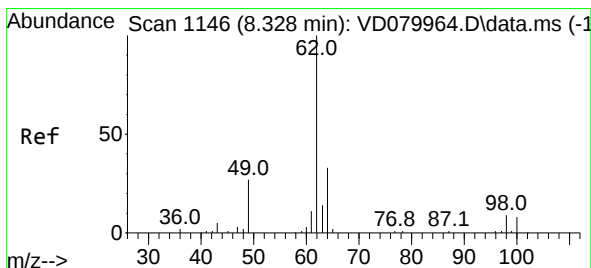
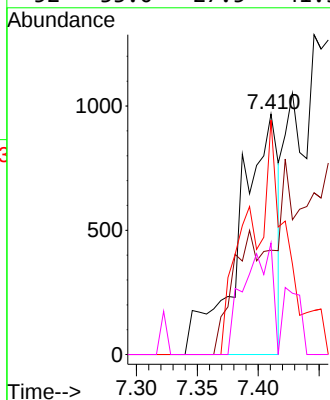
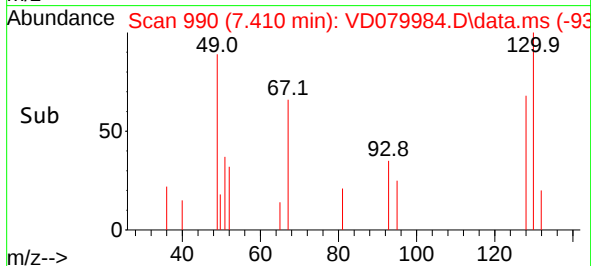
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 41 Resp: 216
Ion Ratio Lower Upper
41 100
39 39.4 47.8 71.8
67 94.1 64.9 97.3
52 33.0 27.5 41.3

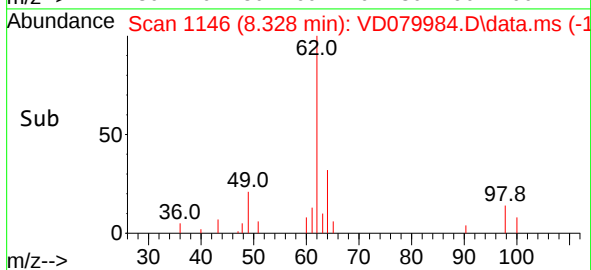
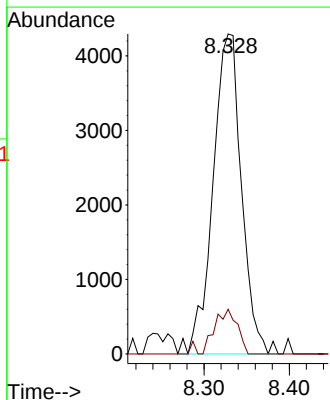
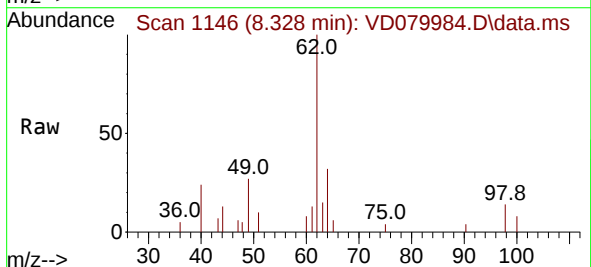
Manual Integrations
APPROVED

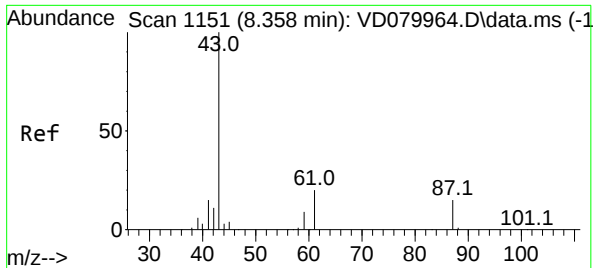
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#42
1,2-Dichloroethane
Concen: 5.473 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

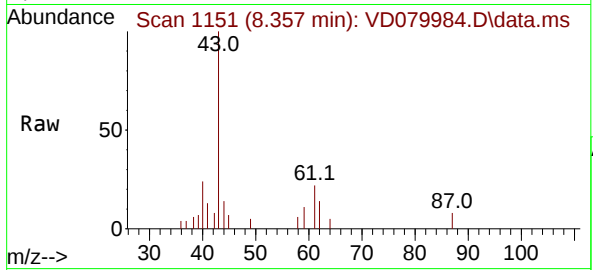
Tgt Ion: 62 Resp: 10019
Ion Ratio Lower Upper
62 100
98 11.0 0.0 19.8





#43
Isopropyl Acetate
Concen: 4.549 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

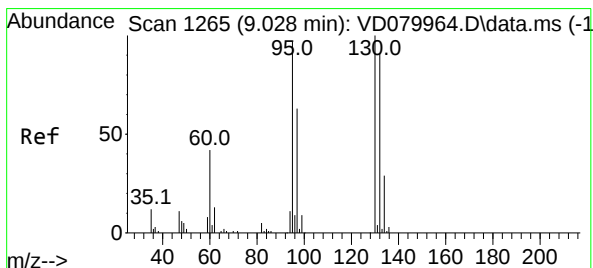
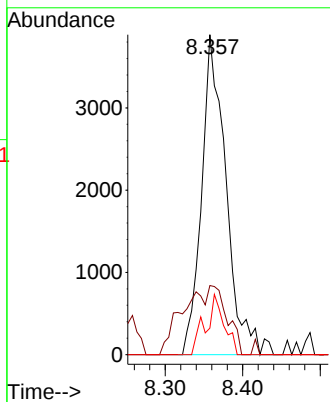
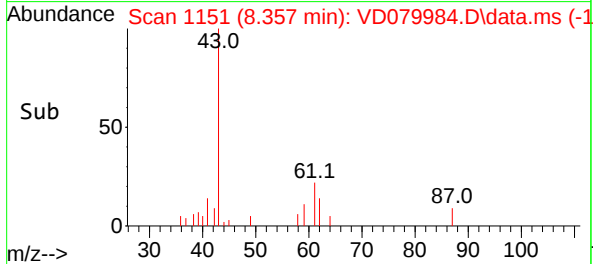
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
61 16.8 26.2 39.2
87 14.2 11.8 17.8

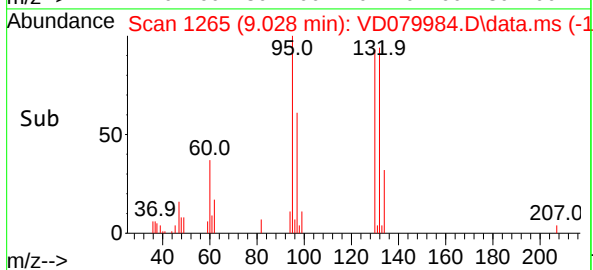
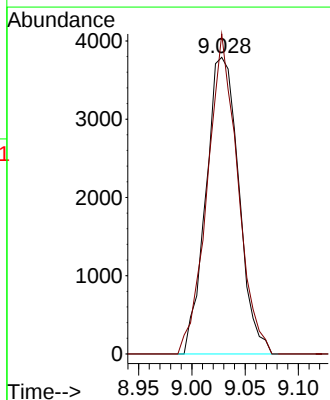
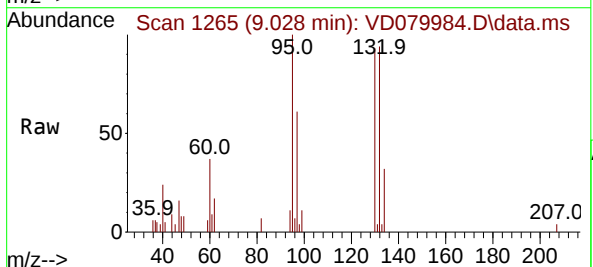
Manual Integrations
APPROVED

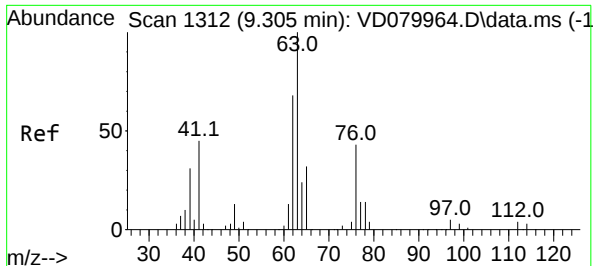
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#44
Trichloroethene
Concen: 4.939 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion:130 Resp: 8133
Ion Ratio Lower Upper
130 100
95 107.9 0.0 194.6





#45

1,2-Dichloropropane

Concen: 4.385 ug/l

RT: 9.305 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

Instrument :

MSVOA_D

ClientSampleId :

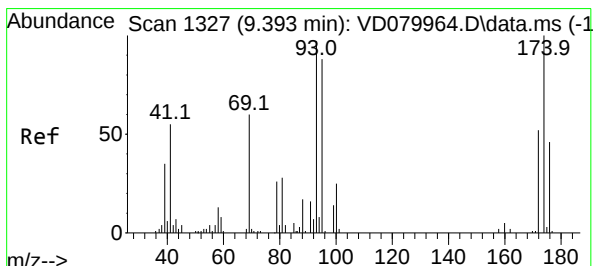
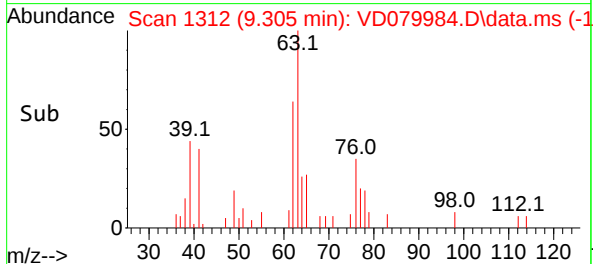
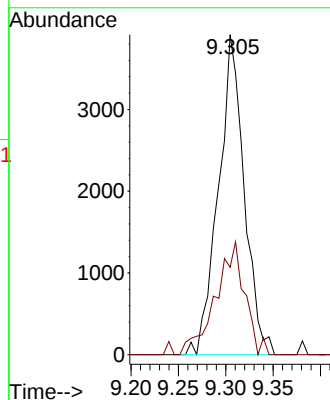
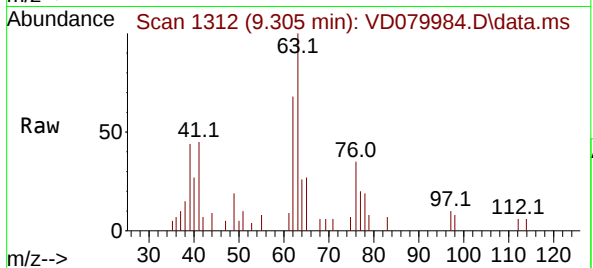
MDL-SOIL-03-QT4-2024

Tgt Ion: 63 Resp: 7402
 Ion Ratio Lower Upper
 63 100
 65 27.3 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024
 Supervised By :Semsettin Yesilyurt 10/16/2024



#46

Dibromomethane

Concen: 5.194 ug/l

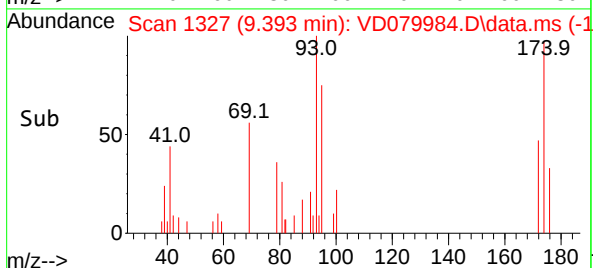
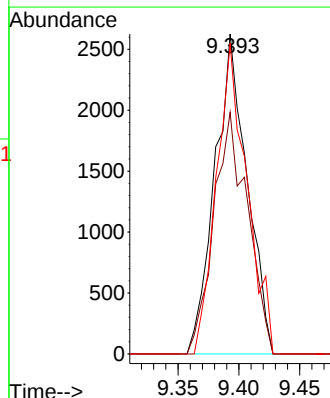
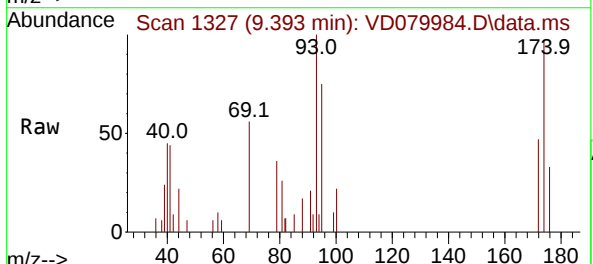
RT: 9.393 min Scan# 1327

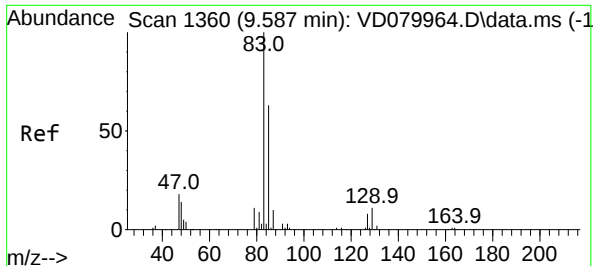
Delta R.T. -0.000 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

Tgt Ion: 93 Resp: 4837
 Ion Ratio Lower Upper
 93 100
 95 79.4 67.9 101.9
 174 92.0 80.5 120.7





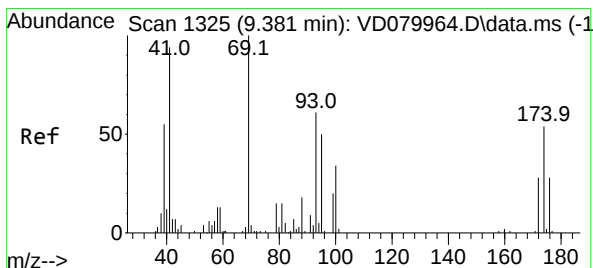
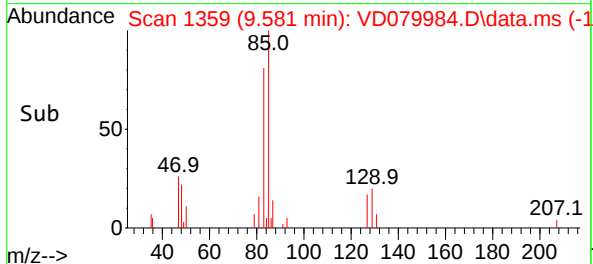
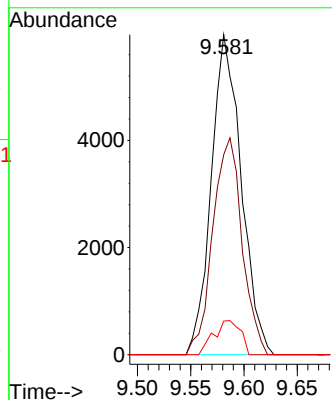
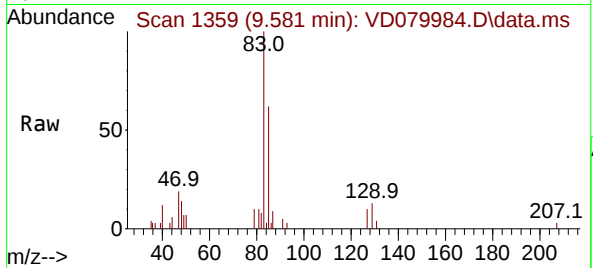
#47
Bromodichloromethane
Concen: 4.726 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion: 83 Resp: 11674
Ion Ratio Lower Upper
83 100
85 62.5 50.6 75.8
127 10.5 6.1 9.1

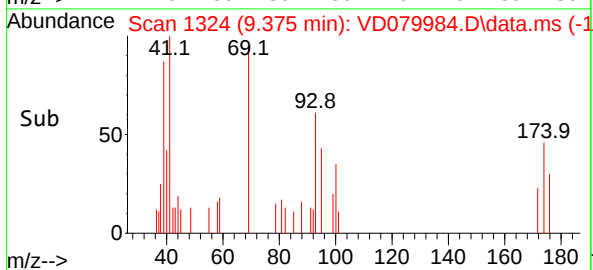
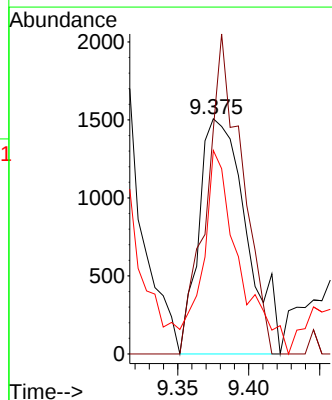
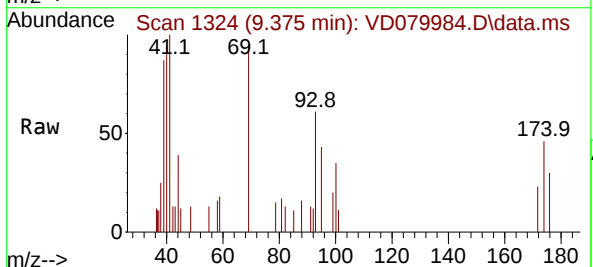
Manual Integrations
APPROVED

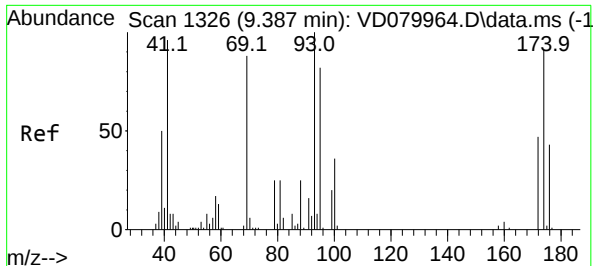
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#48
Methyl methacrylate
Concen: 4.109 ug/l
RT: 9.375 min Scan# 1324
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

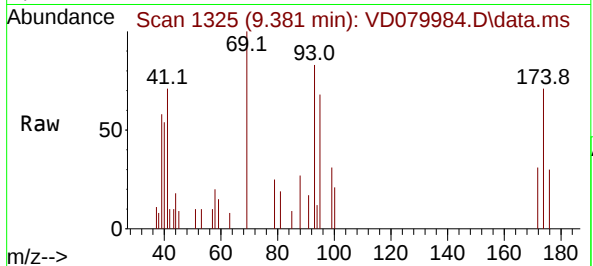
Tgt Ion: 41 Resp: 3475
Ion Ratio Lower Upper
41 100
69 103.1 74.0 111.0
39 65.4 41.9 62.9





#49
1,4-Dioxane
Concen: 84.430 ug/l
RT: 9.381 min Scan# 1326
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

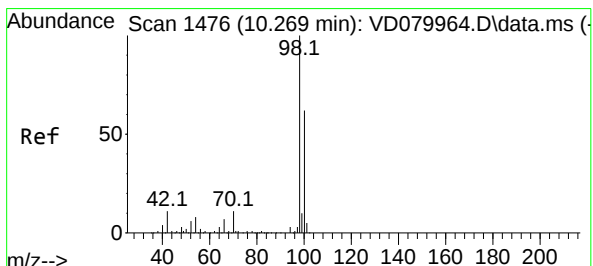
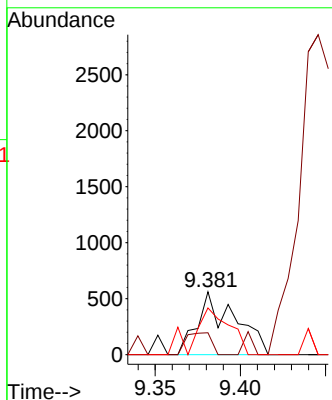
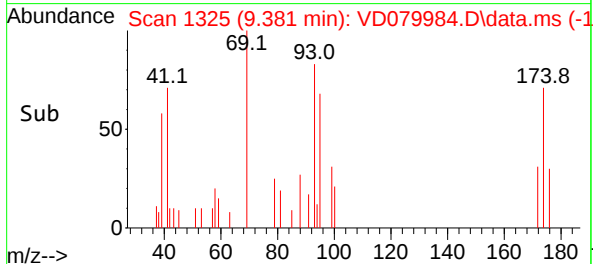
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 88 Resp: 864
Ion Ratio Lower Upper
88 100
43 23.0 29.1 43.7
58 69.8 59.9 89.9

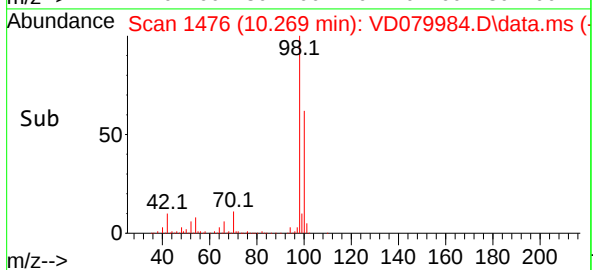
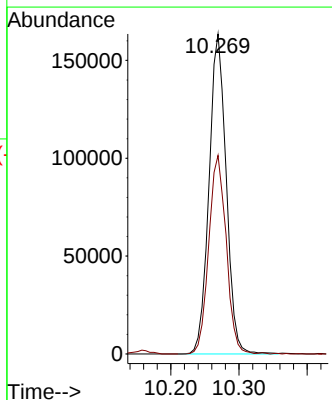
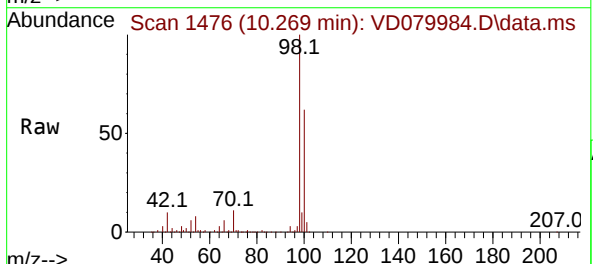
Manual Integrations
APPROVED

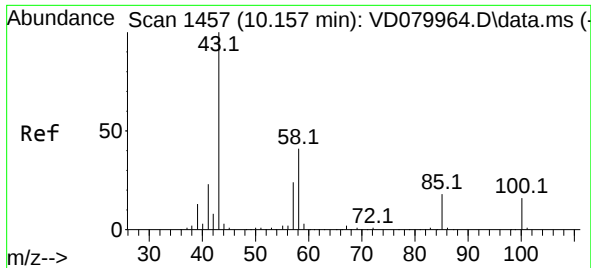
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#50
Toluene-d8
Concen: 51.299 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

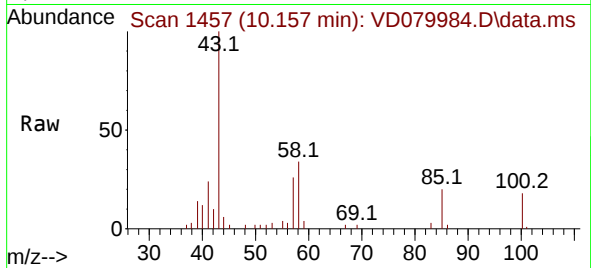
Tgt Ion: 98 Resp: 287091
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.4





#51
4-Methyl-2-Pentanone
Concen: 18.923 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

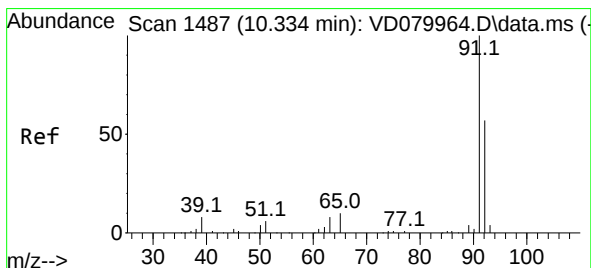
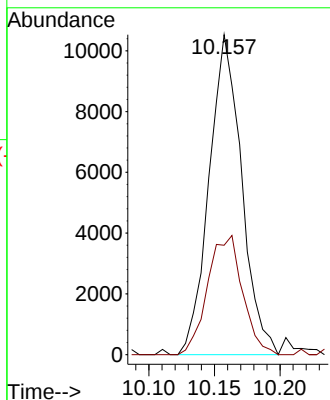
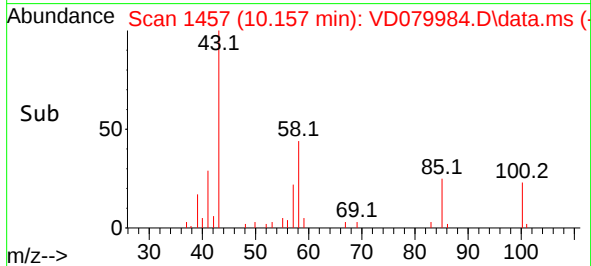
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



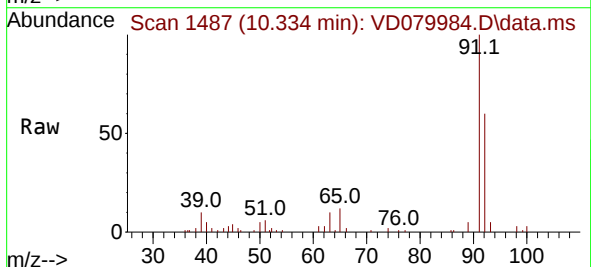
Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
58 40.0 32.8 49.2

Manual Integrations
APPROVED

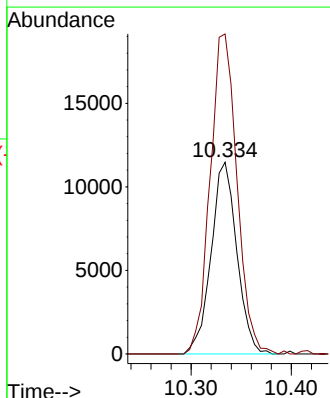
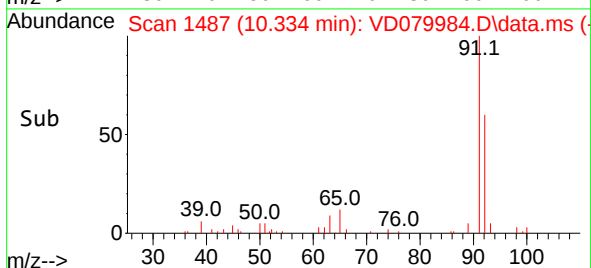
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

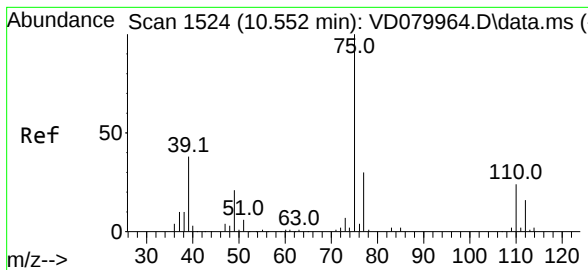


#52
Toluene
Concen: 5.027 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



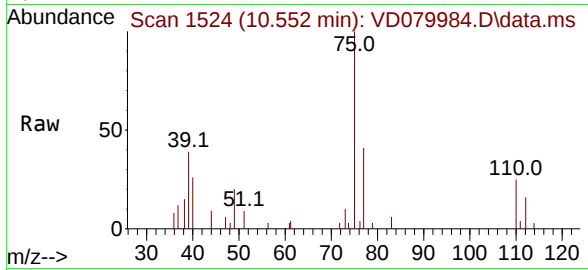
Tgt Ion: 92 Resp: 20485
Ion Ratio Lower Upper
92 100
91 173.6 139.3 208.9





#53
t-1,3-Dichloropropene
Concen: 4.280 ug/l
RT: 10.552 min Scan# 111
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

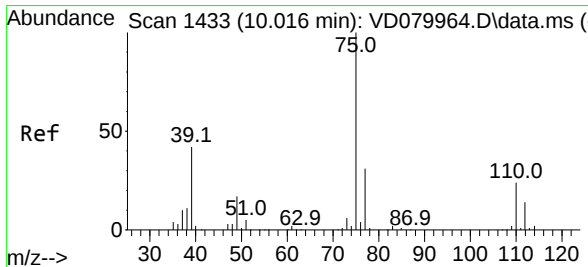
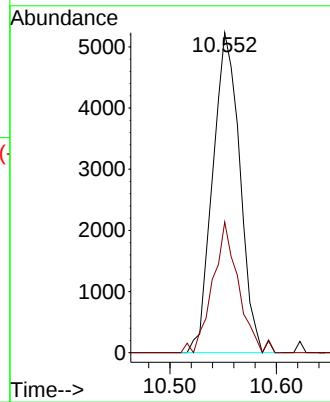
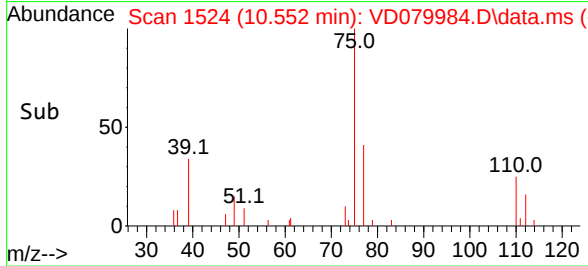
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 75 Resp: 925
Ion Ratio Lower Upper
75 100
77 40.9 24.1 36.1

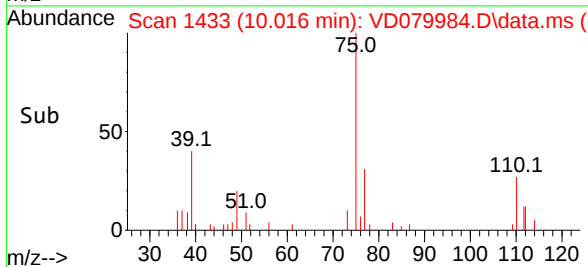
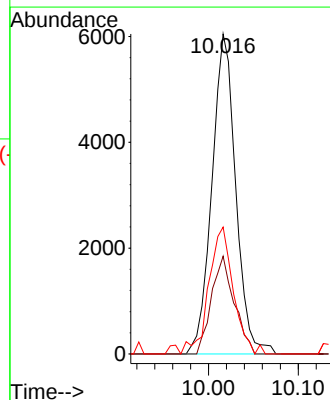
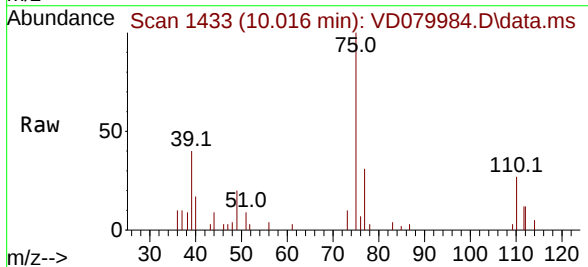
Manual Integrations
APPROVED

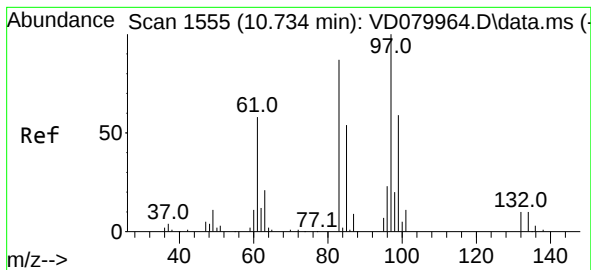
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#54
cis-1,3-Dichloropropene
Concen: 4.367 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

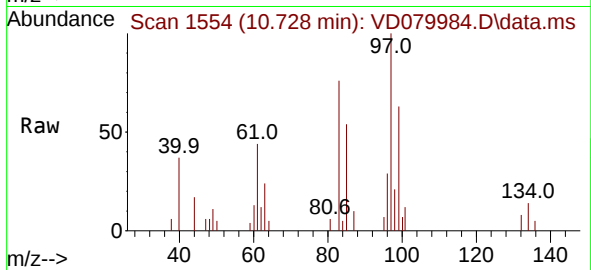
Tgt Ion: 75 Resp: 11146
Ion Ratio Lower Upper
75 100
77 30.6 25.0 37.4
39 39.7 33.2 49.8





#55
1,1,2-Trichloroethane
Concen: 5.087 ug/l
RT: 10.728 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

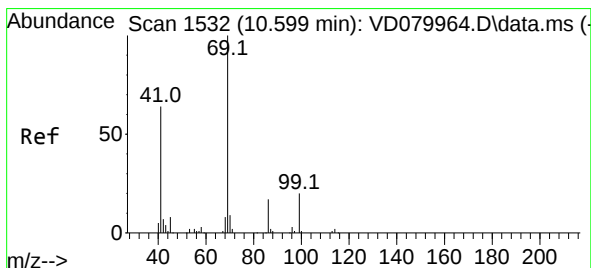
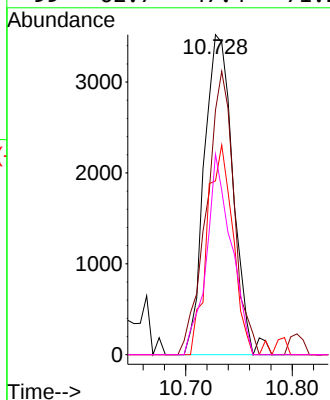
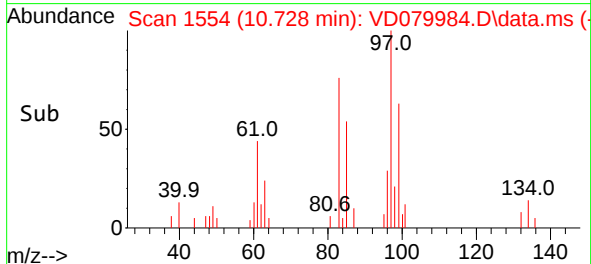
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024



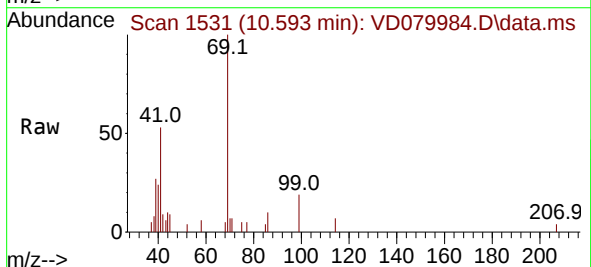
Tgt Ion	Ratio	Lower	Upper
97	100		
83	76.4	69.2	103.8
85	54.3	43.0	64.6
99	62.7	47.4	71.2

Manual Integrations
APPROVED

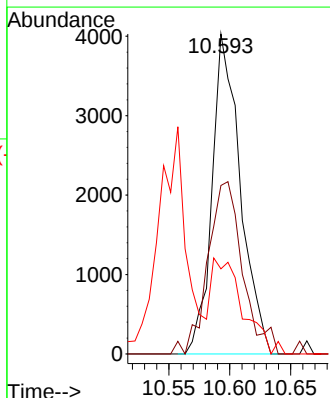
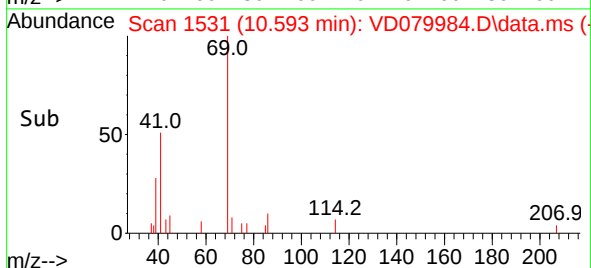
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

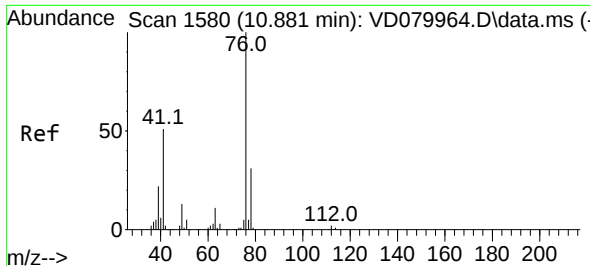


#56
Ethyl methacrylate
Concen: 4.269 ug/l
RT: 10.593 min Scan# 1531
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.8	50.4	75.6
39	33.1	26.0	39.0





#57

1,3-Dichloropropane

Concen: 4.822 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion: 76 Resp: 10180

Ion Ratio Lower Upper

76 100

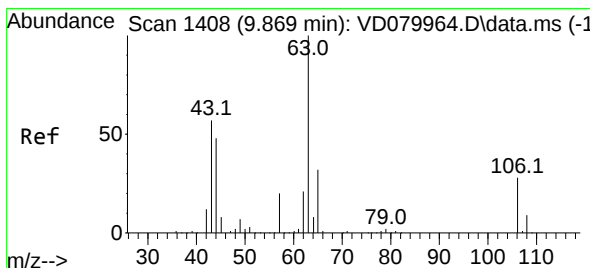
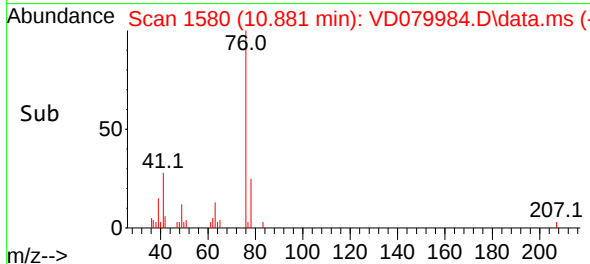
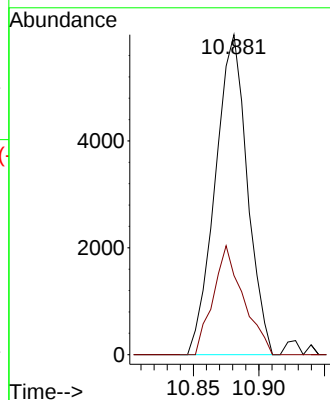
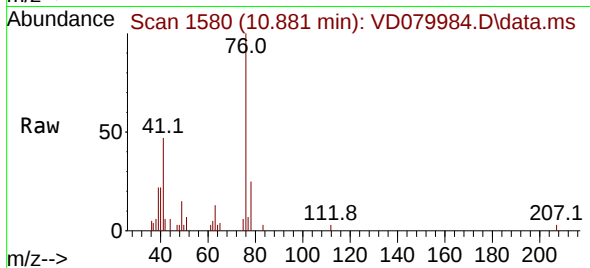
78 32.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024

Supervised By :Semsettin Yesilyurt 10/16/2024



#58

2-Chloroethyl Vinyl ether

Concen: 21.276 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD079984.D

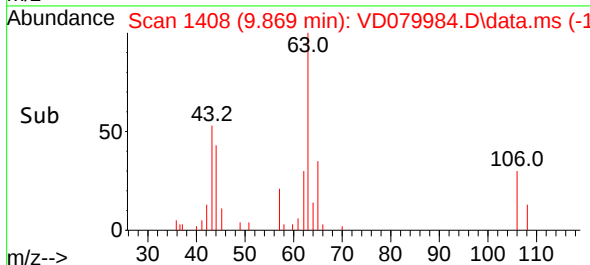
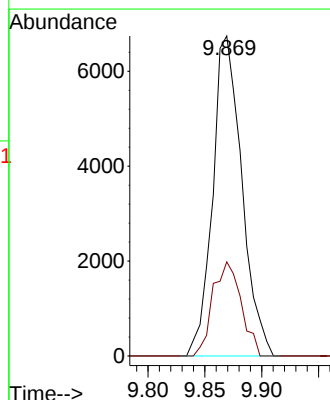
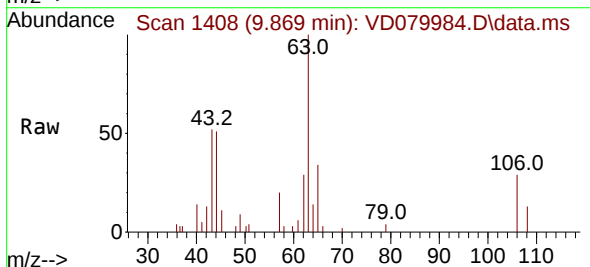
Acq: 15 Oct 2024 15:04

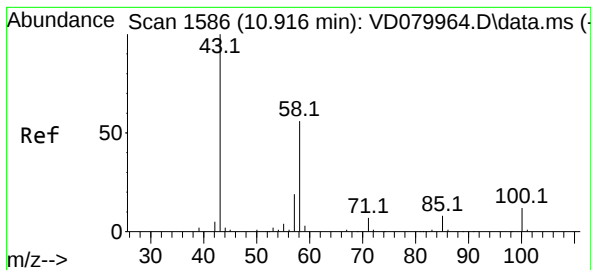
Tgt Ion: 63 Resp: 12032

Ion Ratio Lower Upper

63 100

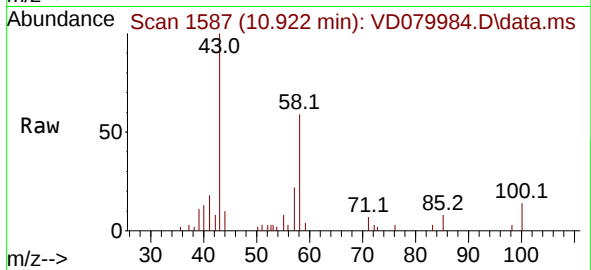
106 28.5 21.8 32.6





#59
2-Hexanone
Concen: 19.979 ug/l
RT: 10.922 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

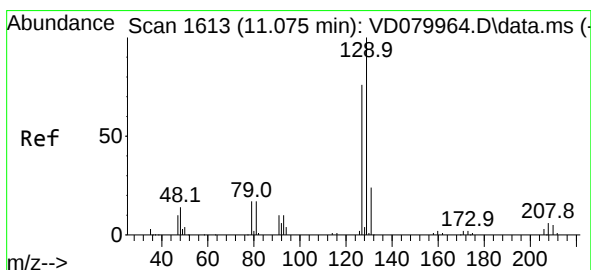
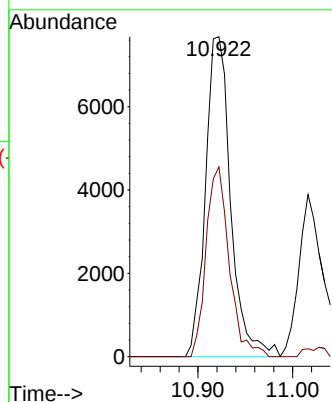
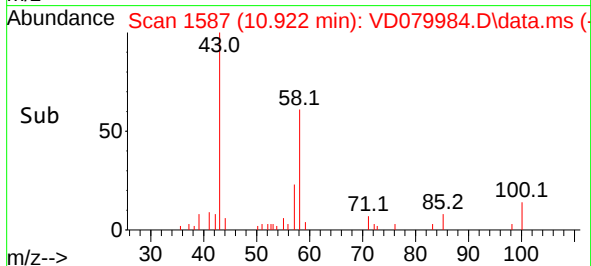
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
58 54.5 27.8 83.4

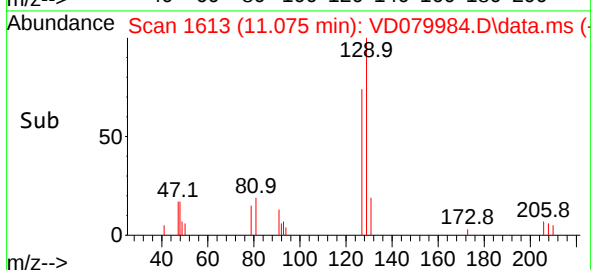
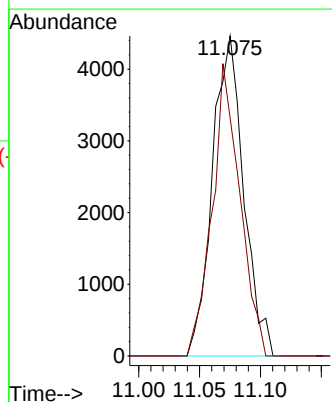
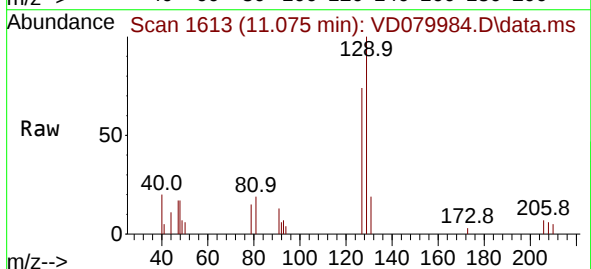
Manual Integrations
APPROVED

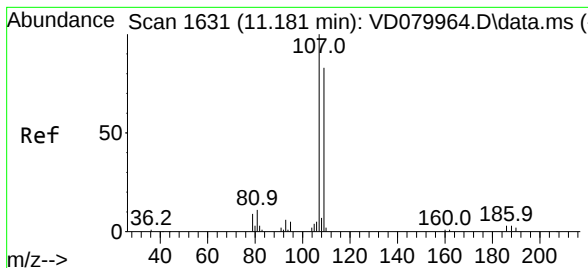
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#60
Dibromochloromethane
Concen: 4.691 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion:129 Resp: 7974
Ion Ratio Lower Upper
129 100
127 81.0 38.4 115.2





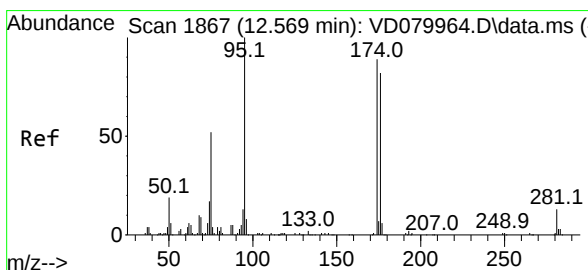
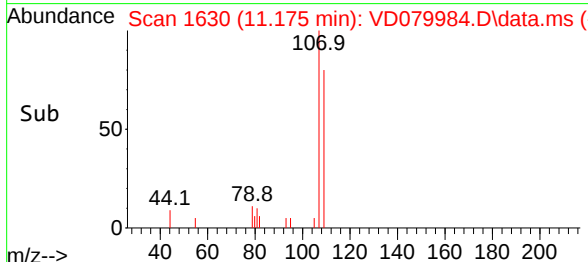
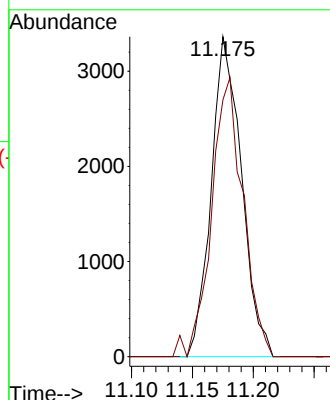
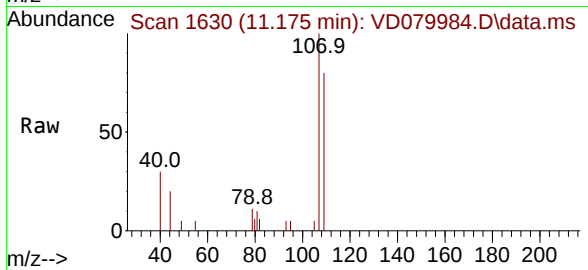
#61
1,2-Dibromoethane
Concen: 4.827 ug/l
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:107 Resp: 5812
Ion Ratio Lower Upper
107 100
109 91.0 73.9 110.9

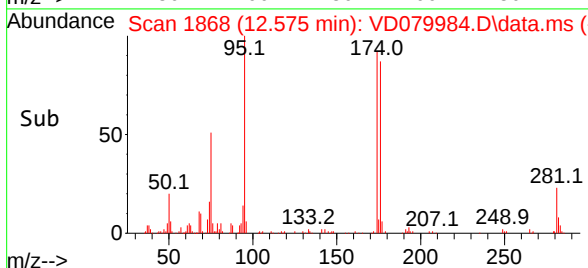
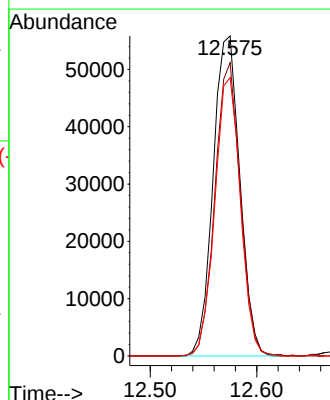
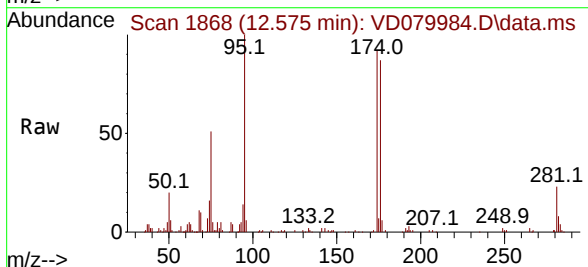
Manual Integrations
APPROVED

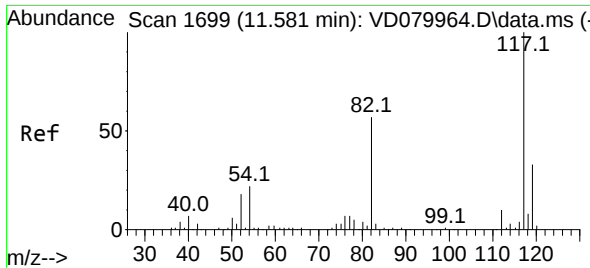
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#62
4-Bromofluorobenzene
Concen: 49.829 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

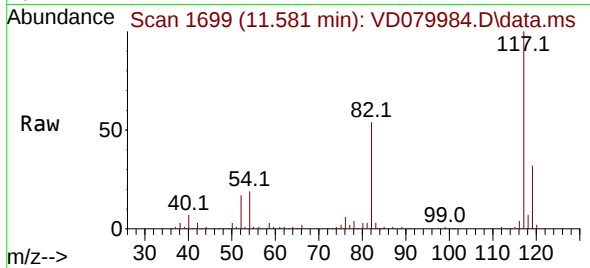
Tgt Ion: 95 Resp: 97348
Ion Ratio Lower Upper
95 100
174 87.2 0.0 173.4
176 83.2 0.0 166.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

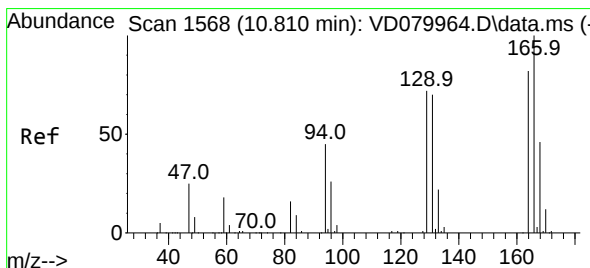
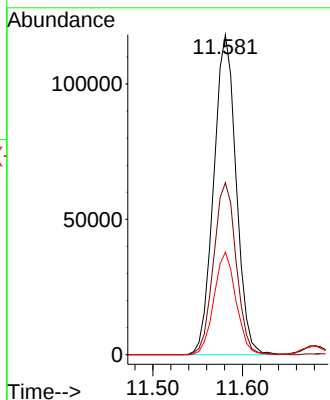
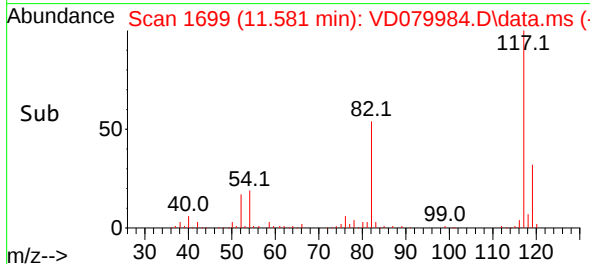
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



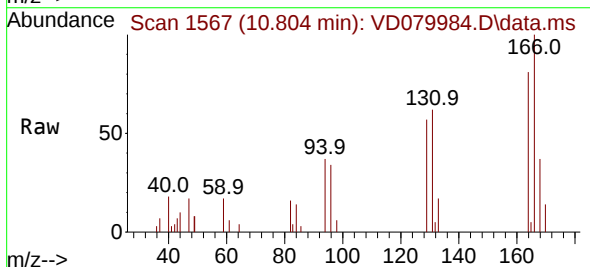
Tgt Ion:117 Resp: 20504
Ion Ratio Lower Upper
117 100
82 53.7 45.8 68.6
119 32.0 26.2 39.2

Manual Integrations
APPROVED

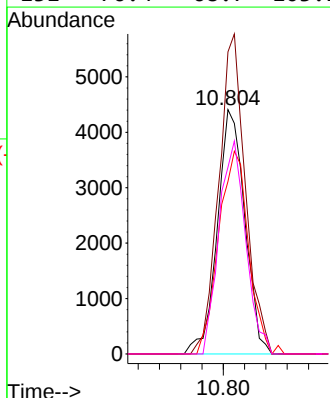
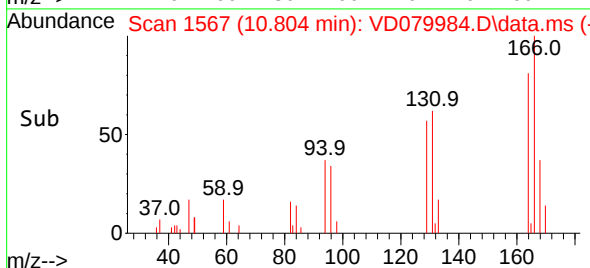
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

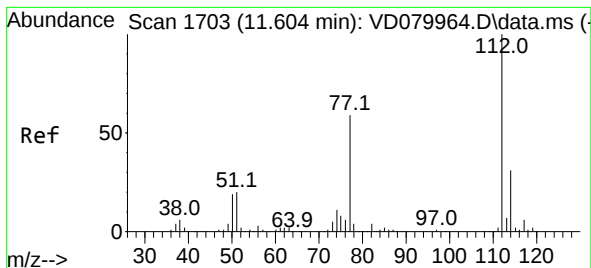


#64
Tetrachloroethene
Concen: 5.442 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



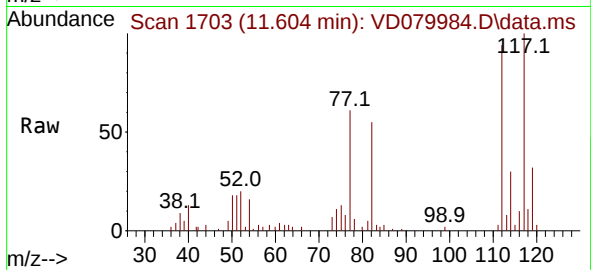
Tgt Ion:164 Resp: 7871
Ion Ratio Lower Upper
164 100
166 123.6 97.5 146.3
129 70.6 70.6 106.0#
131 76.4 68.7 103.1





#65
Chlorobenzene
Concen: 4.607 ug/l
RT: 11.604 min Scan# 1112
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

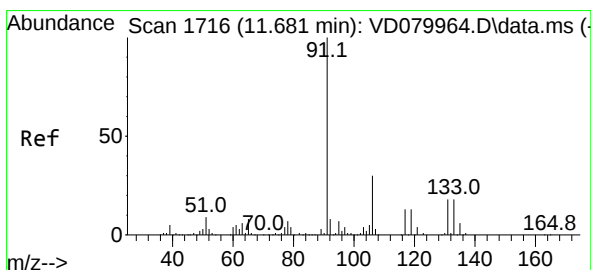
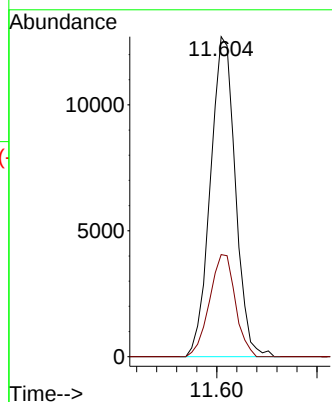
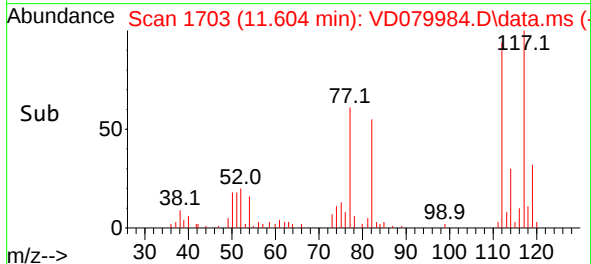
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



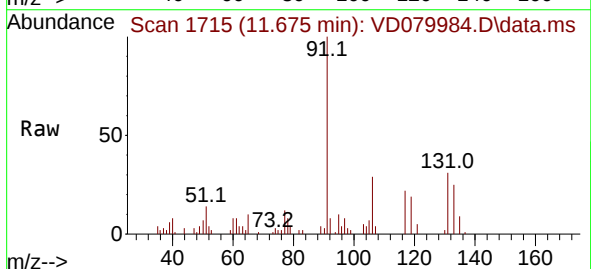
Tgt Ion:112 Resp: 2198
Ion Ratio Lower Upper
112 100
114 31.9 24.6 37.0

Manual Integrations
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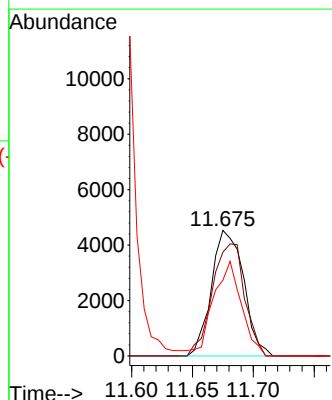
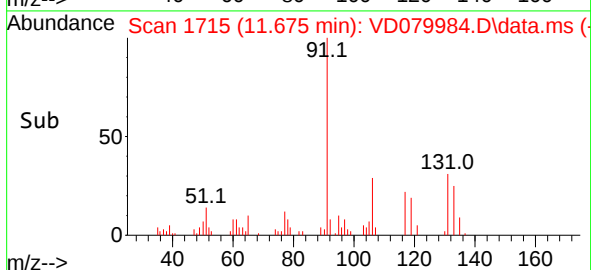
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

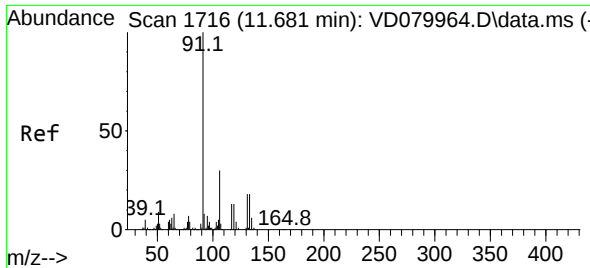


#66
1,1,1,2-Tetrachloroethane
Concen: 4.855 ug/l
RT: 11.675 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



Tgt Ion:131 Resp: 8323
Ion Ratio Lower Upper
131 100
133 90.3 48.8 146.4
119 66.7 34.8 104.3





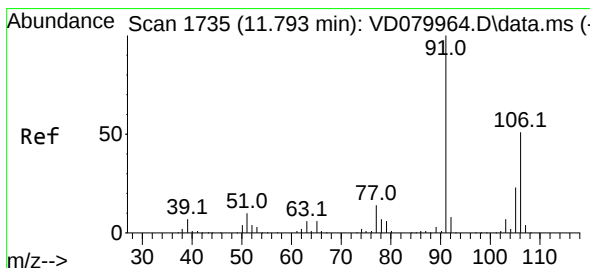
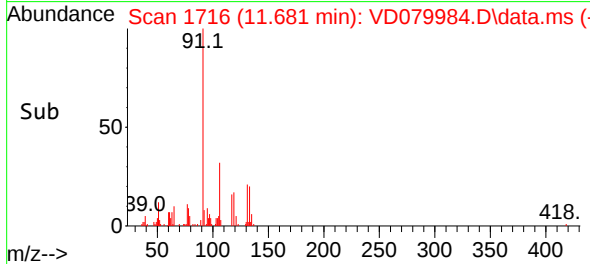
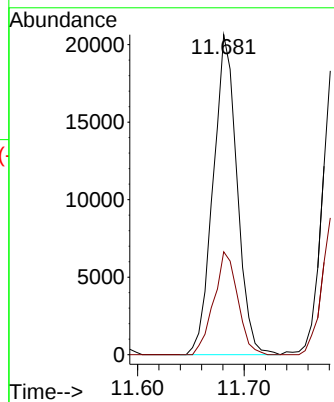
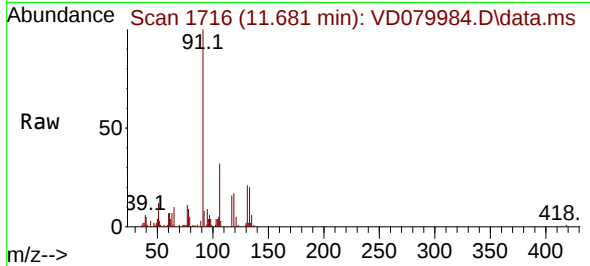
#67
Ethyl Benzene
Concen: 3.978 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 91 Resp: 32100
Ion Ratio Lower Upper
91 100
106 32.2 23.6 35.4

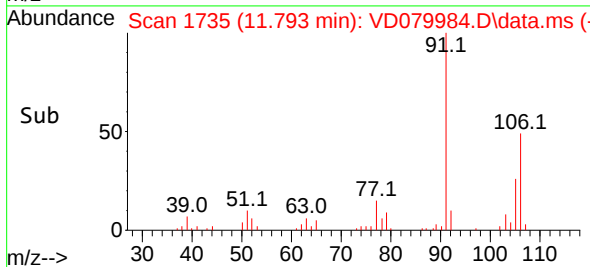
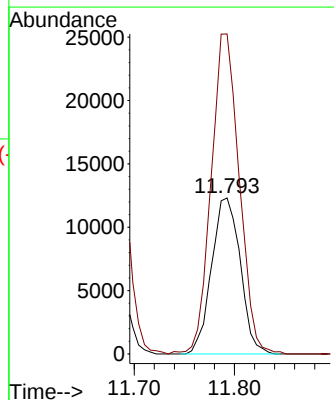
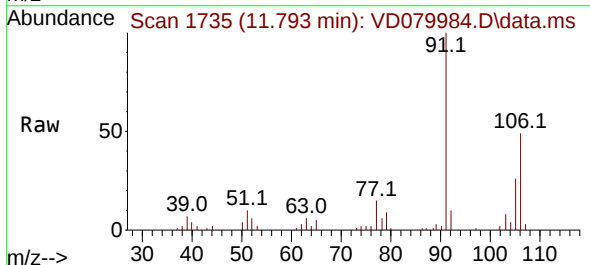
Manual Integrations
APPROVED

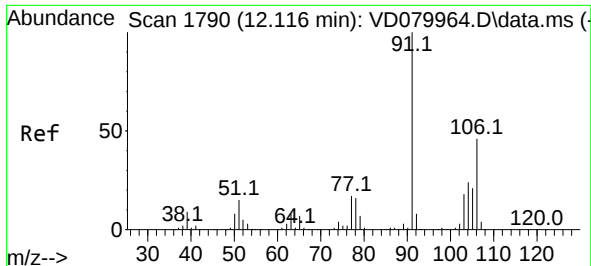
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#68
m/p-Xylenes
Concen: 7.908 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

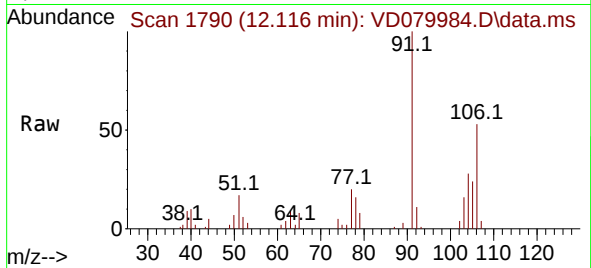
Tgt Ion:106 Resp: 24495
Ion Ratio Lower Upper
106 100
91 201.1 162.6 244.0





#69
o-Xylene
Concen: 4.081 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

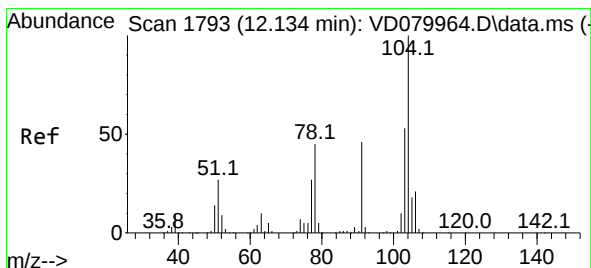
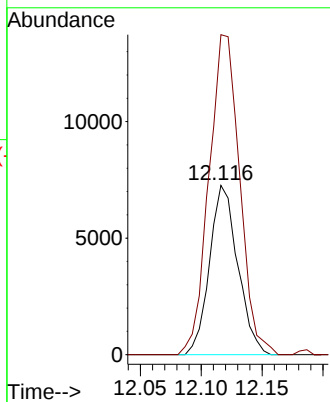
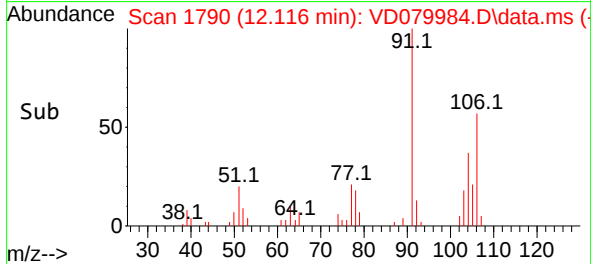
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:106 Resp: 11690
Ion Ratio Lower Upper
106 100
91 206.0 110.5 331.5

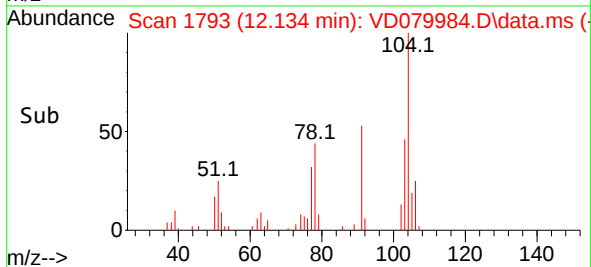
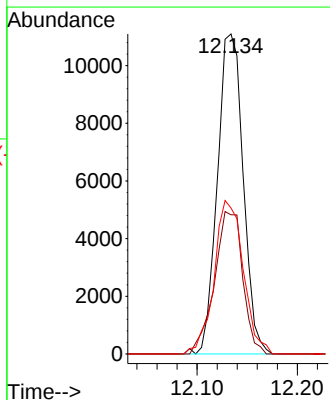
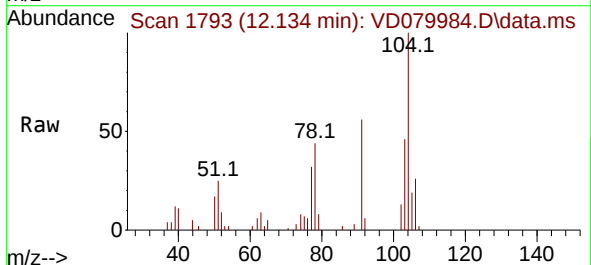
Manual Integrations
APPROVED

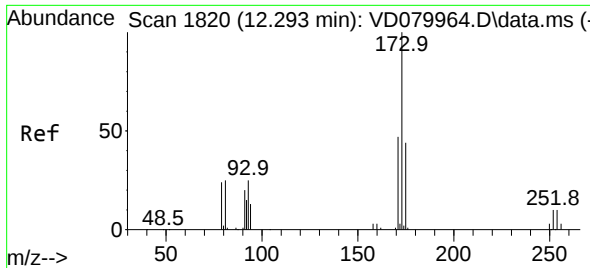
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#70
Styrene
Concen: 3.880 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

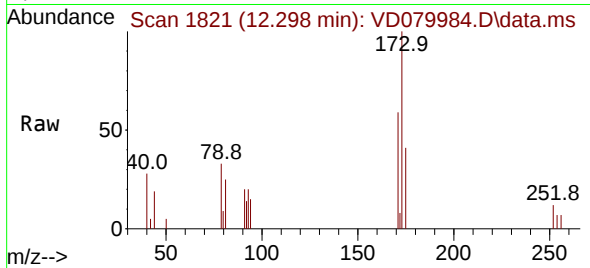
Tgt Ion:104 Resp: 19787
Ion Ratio Lower Upper
104 100
78 48.7 39.8 59.8
103 54.1 45.2 67.8





#71
Bromoform
Concen: 4.697 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

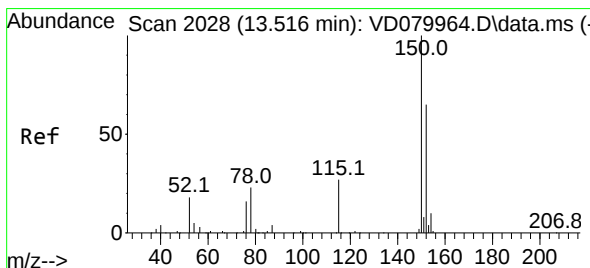
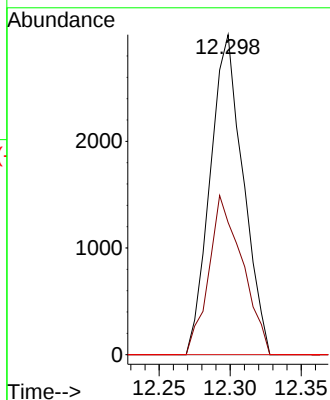
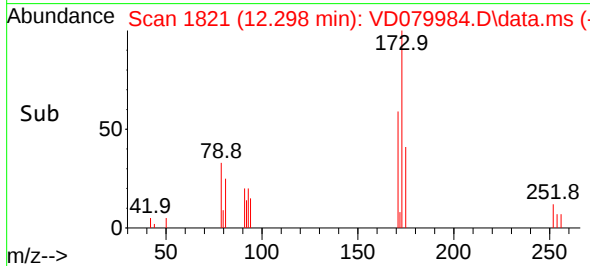
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:173 Resp: 484
Ion Ratio Lower Upper
173 100
175 50.6 24.8 74.3
254 0.0 0.0 0.0

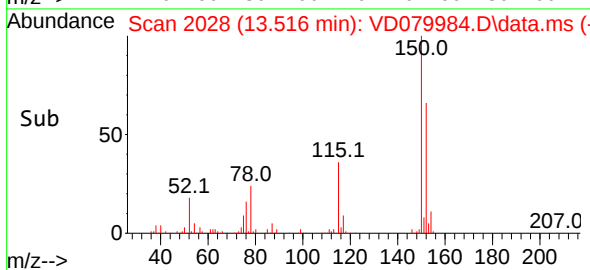
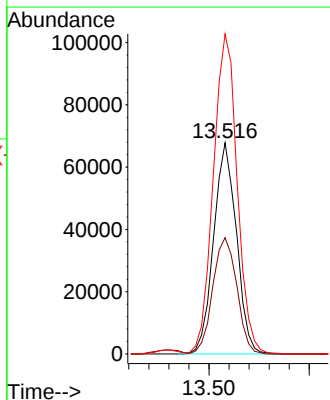
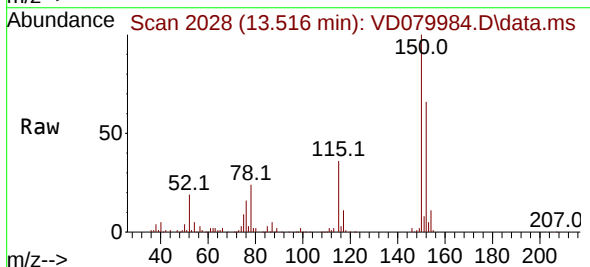
Manual Integrations
APPROVED

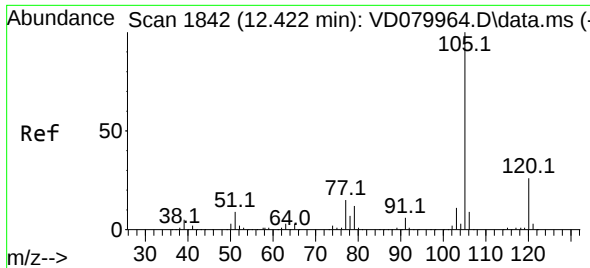
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion:152 Resp: 107107
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.8
150 158.6 0.0 354.8





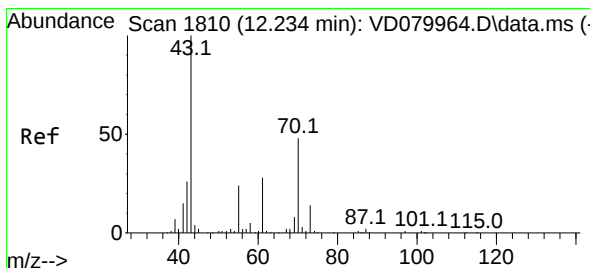
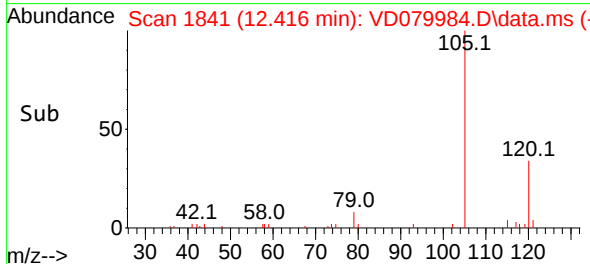
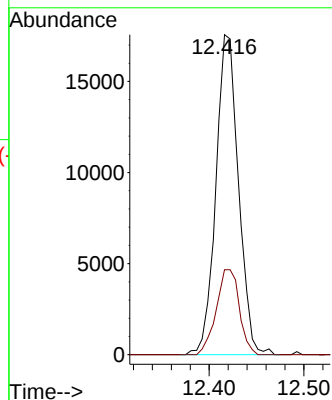
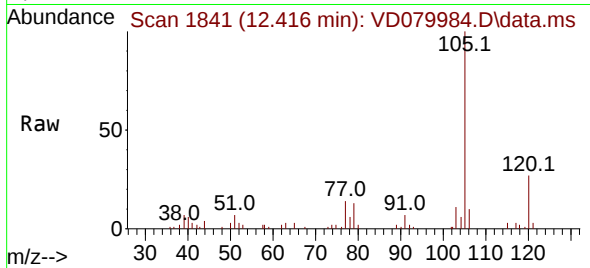
#73
Isopropylbenzene
Concen: 3.997 ug/l
RT: 12.416 min Scan# 1842
Delta R.T. -0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:105 Resp: 29120
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.9

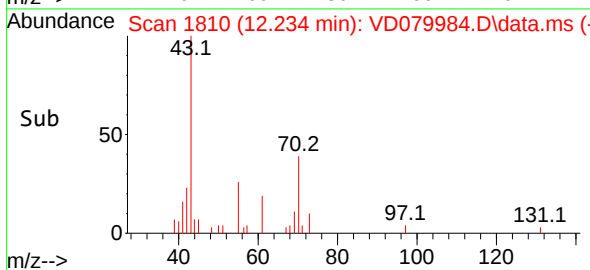
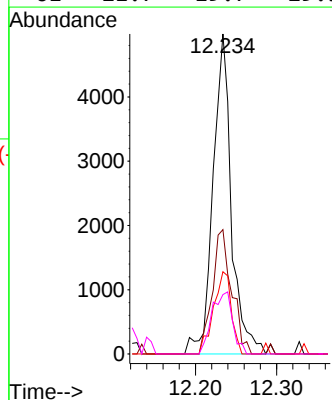
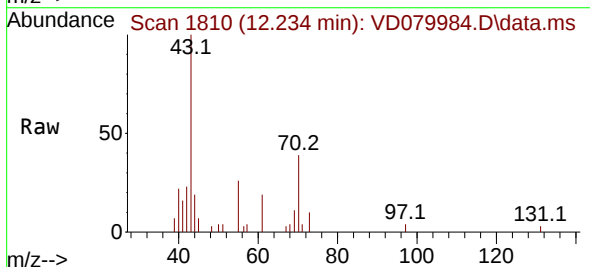
Manual Integrations
APPROVED

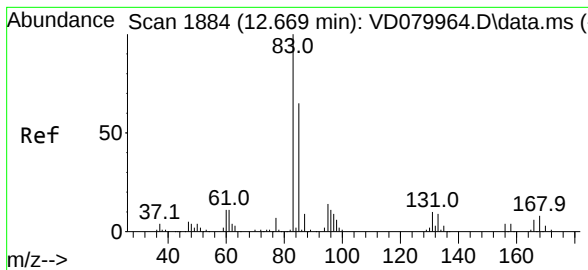
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#74
N-ethyl acetate
Concen: 4.464 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

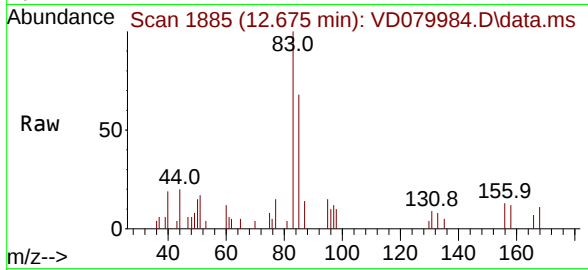
Tgt Ion: 43 Resp: 7866
Ion Ratio Lower Upper
43 100
70 40.8 36.3 54.5
55 24.7 20.3 30.5
61 21.7 19.7 29.5





#75
1,1,2,2-Tetrachloroethane
Concen: 4.962 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

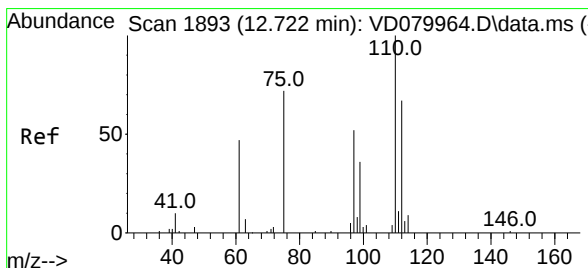
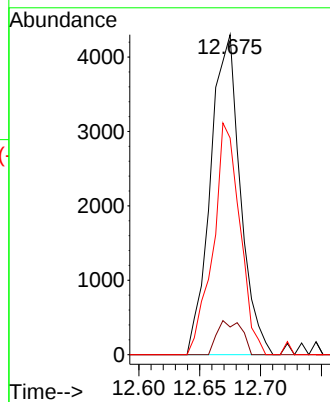
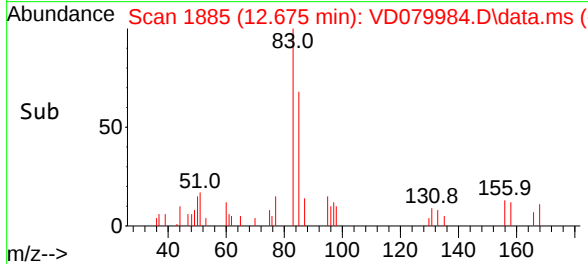
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 83 Resp: 7330
Ion Ratio Lower Upper
83 100
131 8.7 5.1 15.3
85 65.0 32.9 98.6

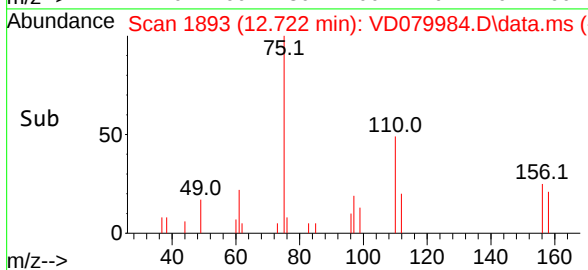
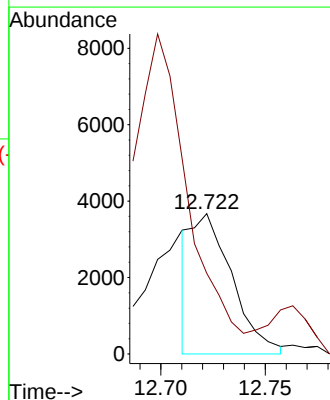
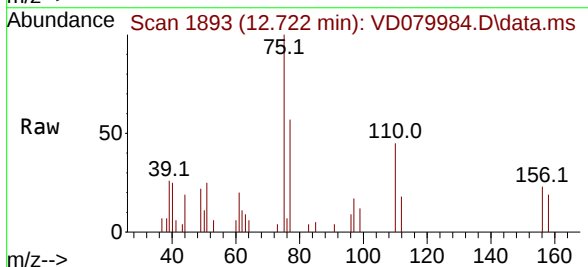
Manual Integrations
APPROVED

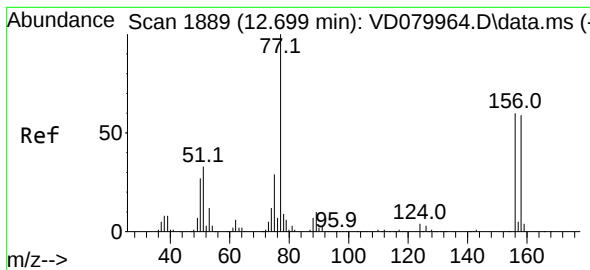
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#76
1,2,3-Trichloropropane
Concen: 4.222 ug/l m
RT: 12.722 min Scan# 1893
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion: 75 Resp: 4989
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





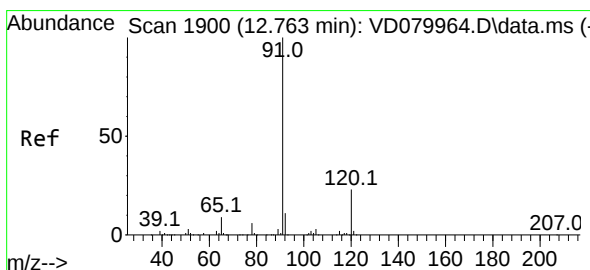
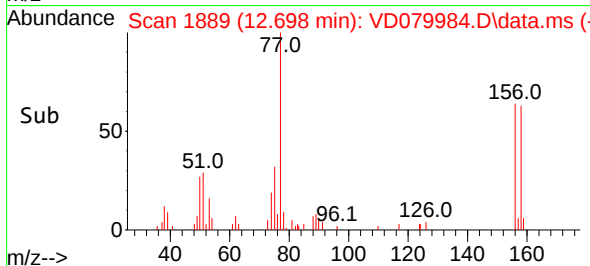
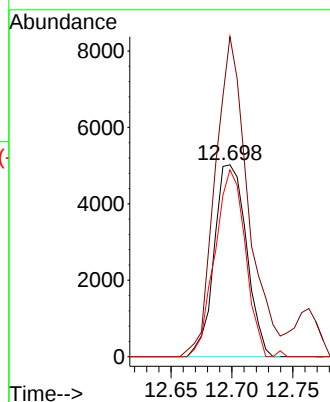
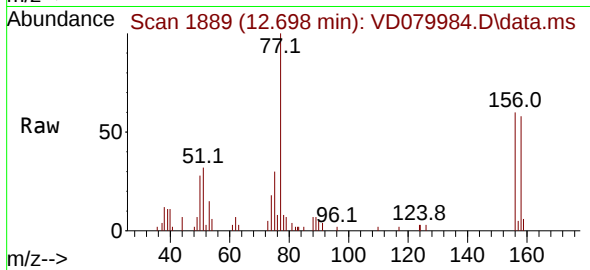
#77
Bromobenzene
Concen: 4.897 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:156 Resp: 923
Ion Ratio Lower Upper
156 100
77 170.0 89.8 269.6
158 91.9 47.9 143.8

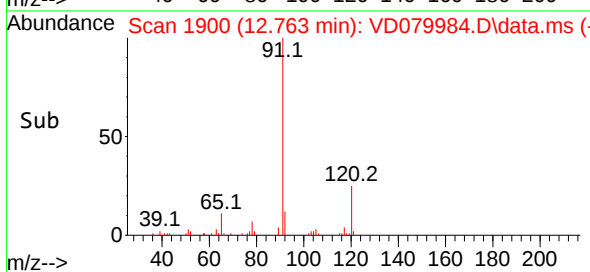
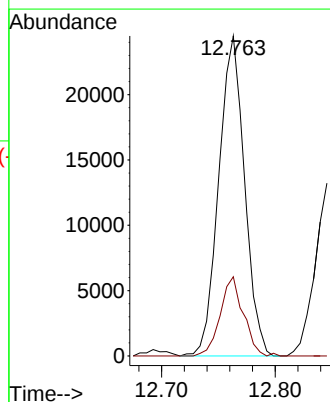
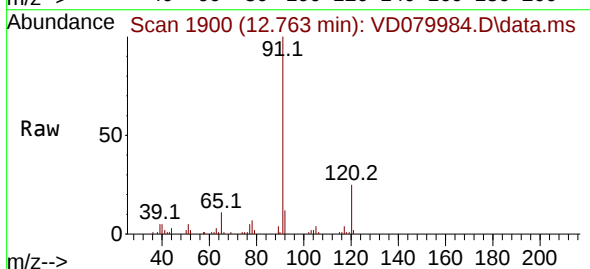
Manual Integrations
APPROVED

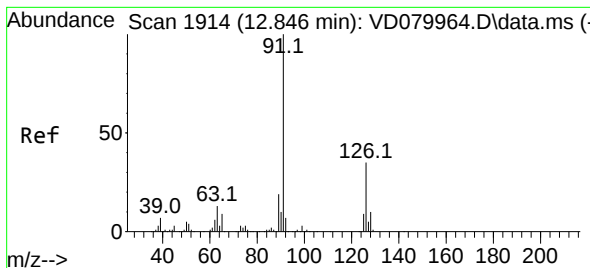
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#78
n-propylbenzene
Concen: 4.267 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion: 91 Resp: 38652
Ion Ratio Lower Upper
91 100
120 22.2 11.2 33.5





#79

2-Chlorotoluene

Concen: 4.230 ug/l

RT: 12.845 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion: 91 Resp: 2226

Ion Ratio Lower Upper

91 100

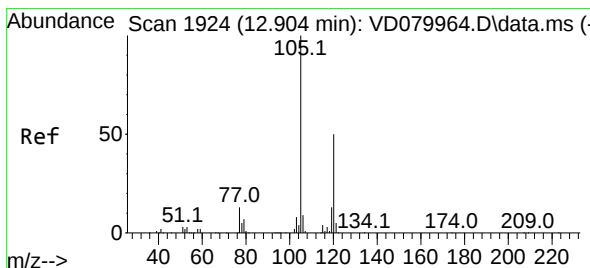
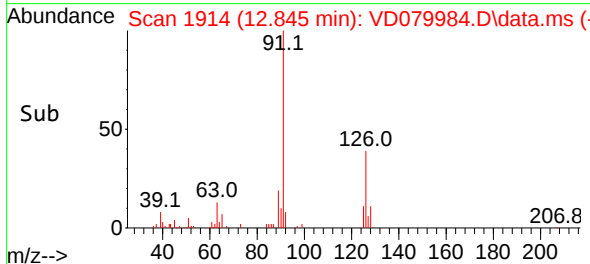
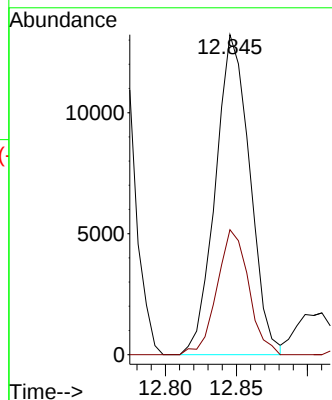
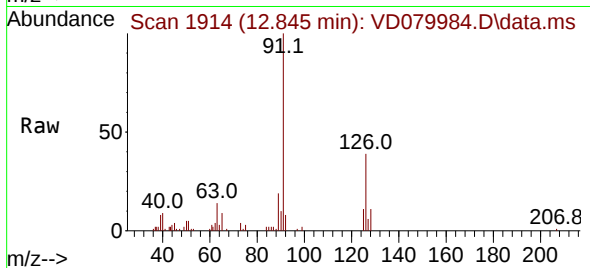
126 35.9 17.2 51.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024

Supervised By :Semsettin Yesilyurt 10/16/2024



#80

1,3,5-Trimethylbenzene

Concen: 4.101 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD079984.D

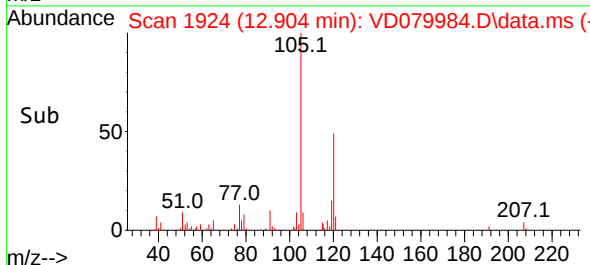
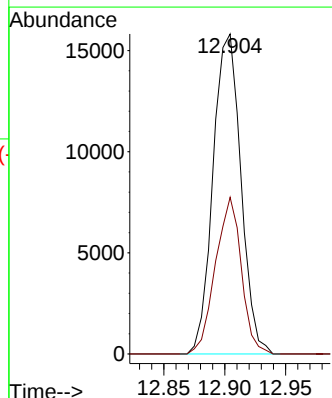
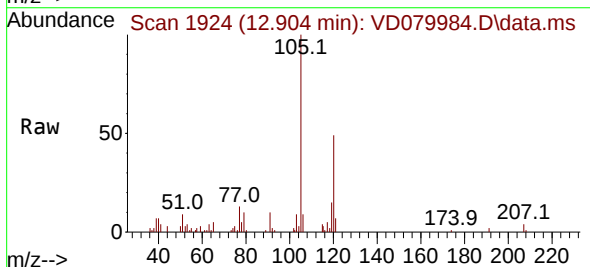
Acq: 15 Oct 2024 15:04

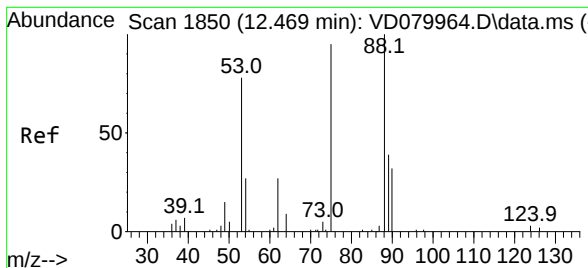
Tgt Ion:105 Resp: 25181

Ion Ratio Lower Upper

105 100

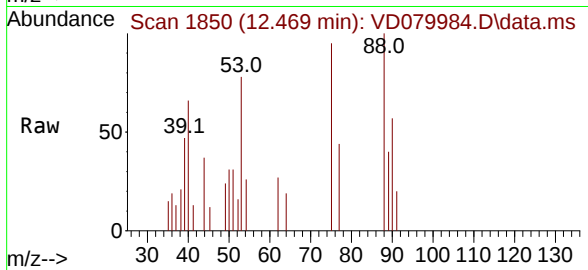
120 45.5 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 3.660 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

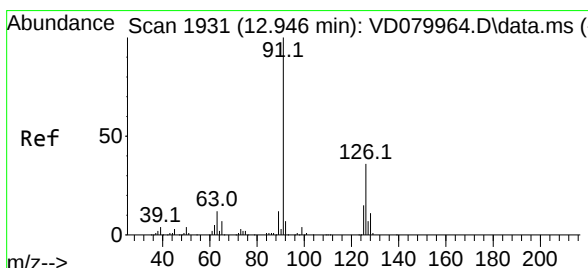
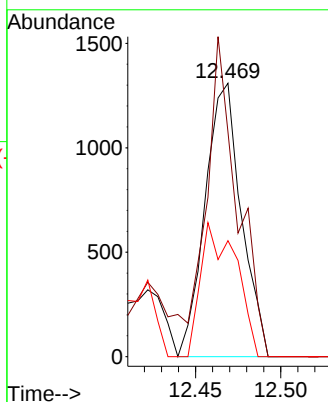
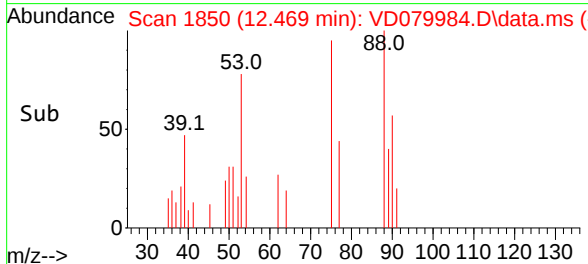
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 75 Resp: 1938
Ion Ratio Lower Upper
75 100
53 97.8 68.7 103.1
89 47.9 36.1 54.1

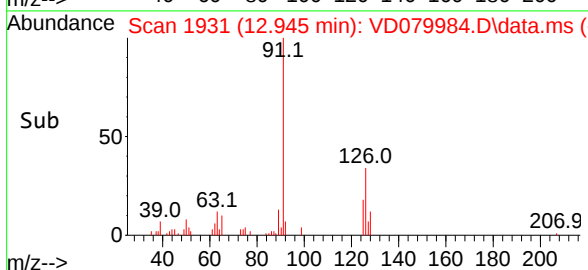
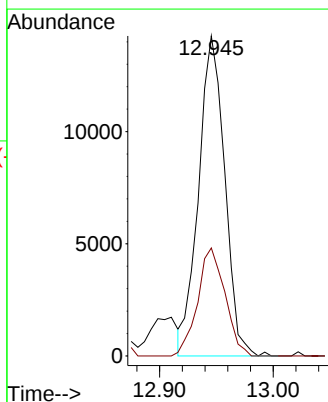
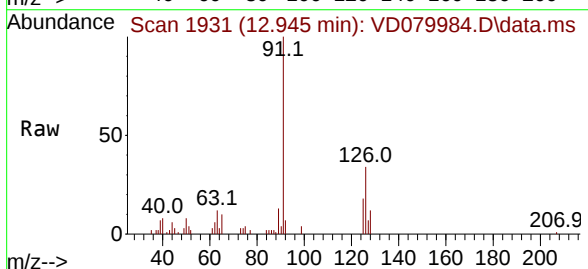
Manual Integrations
APPROVED

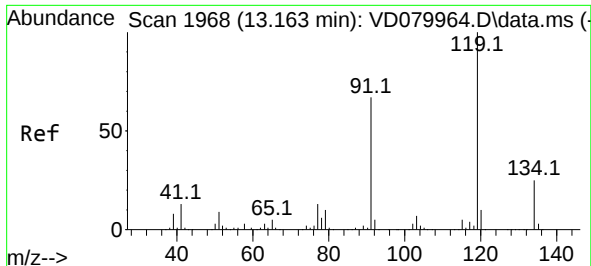
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#82
4-Chlorotoluene
Concen: 4.040 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion: 91 Resp: 22840
Ion Ratio Lower Upper
91 100
126 35.4 16.8 50.3





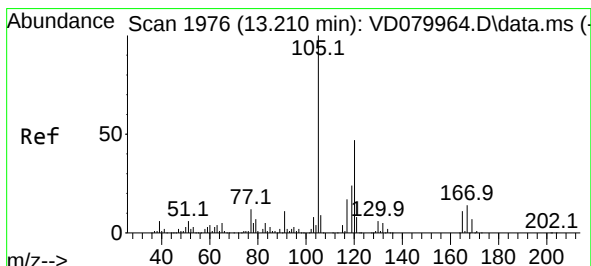
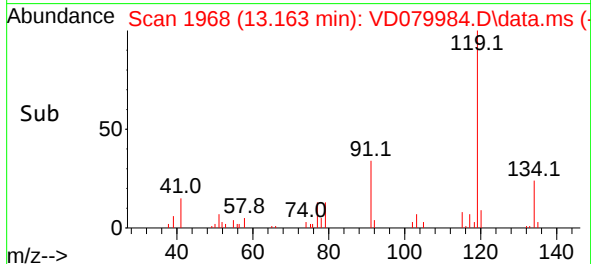
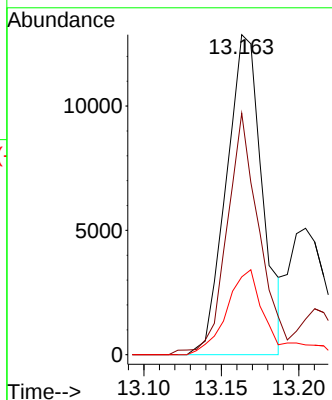
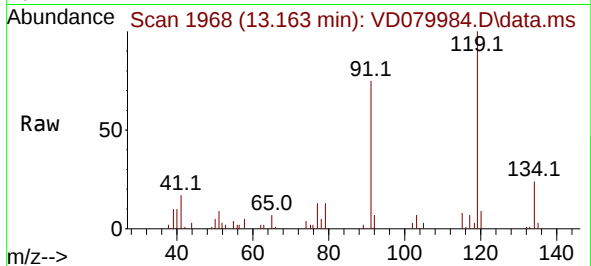
#83
tert-Butylbenzene
Concen: 3.952 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:119 Resp: 2080
Ion Ratio Lower Upper
119 100
91 67.3 33.3 99.9
134 29.5 13.5 40.5

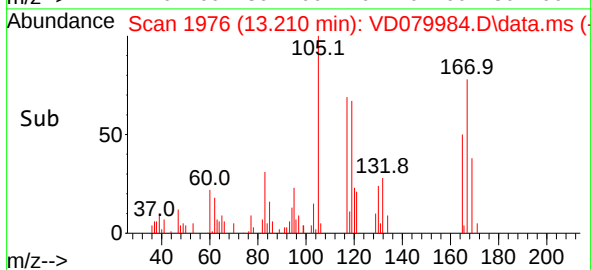
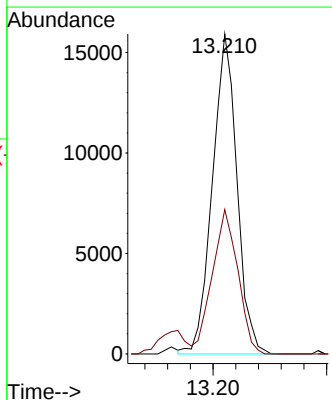
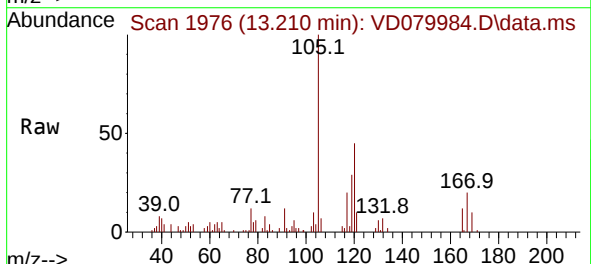
Manual Integrations
APPROVED

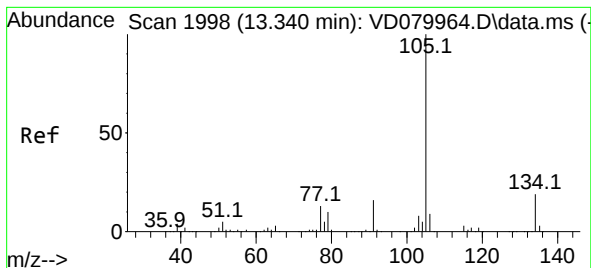
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#84
1,2,4-Trimethylbenzene
Concen: 3.874 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion:105 Resp: 23892
Ion Ratio Lower Upper
105 100
120 47.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 4.045 ug/l

RT: 13.345 min Scan# 1998

Delta R.T. 0.006 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:105 Resp: 32718

Ion Ratio Lower Upper

105 100

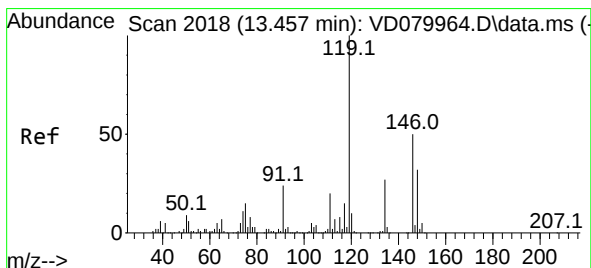
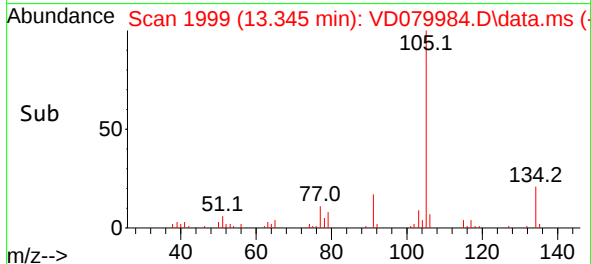
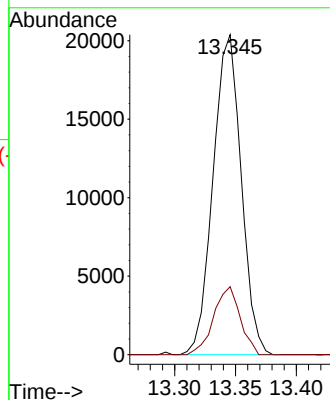
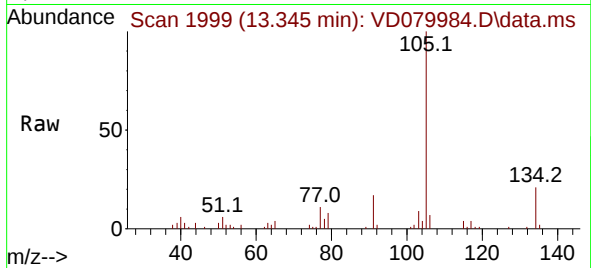
134 20.0 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024

Supervised By :Semsettin Yesilyurt 10/16/2024



#86

p-Isopropyltoluene

Concen: 3.760 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD079984.D

Acq: 15 Oct 2024 15:04

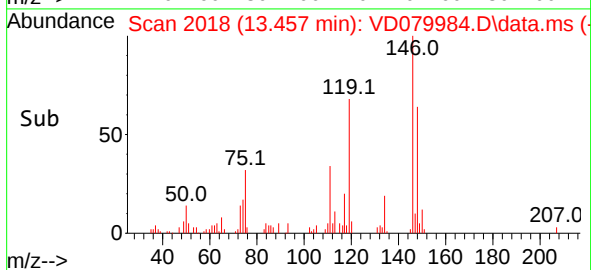
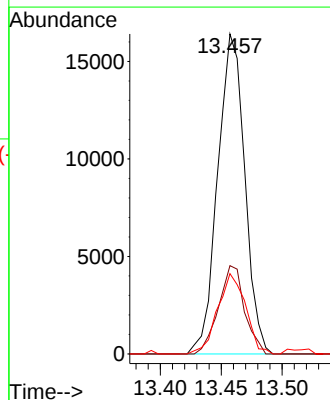
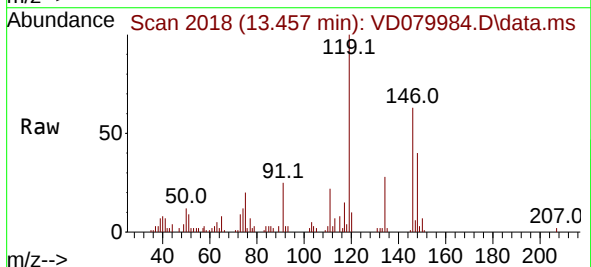
Tgt Ion:119 Resp: 25372

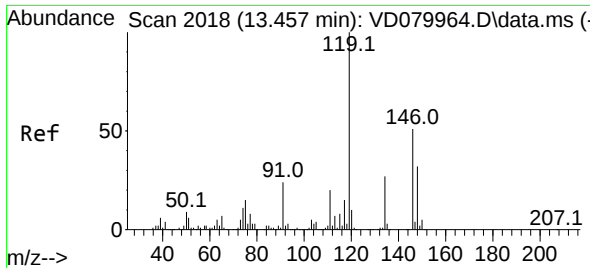
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.1

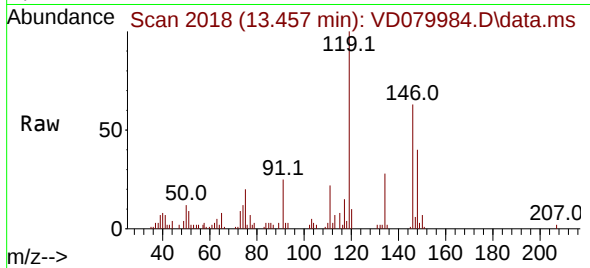
91 25.9 12.2 36.4





#87
1,3-Dichlorobenzene
Concen: 4.316 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

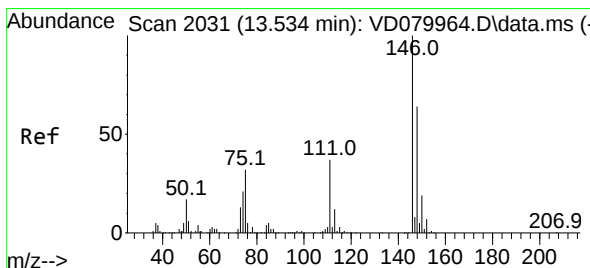
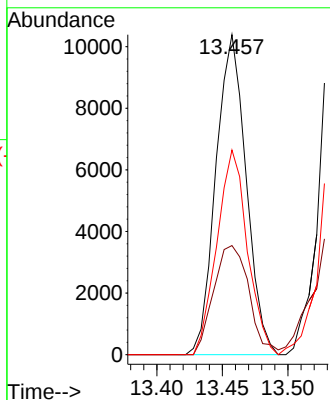
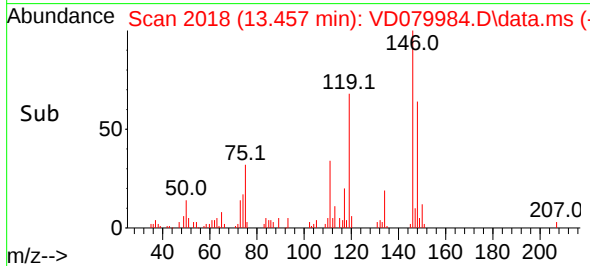
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:146 Resp: 1664
Ion Ratio Lower Upper
146 100
111 40.0 20.0 59.9
148 64.5 31.9 95.7

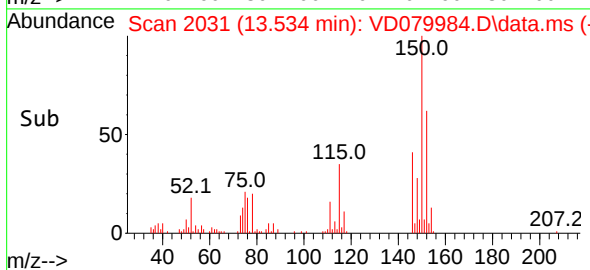
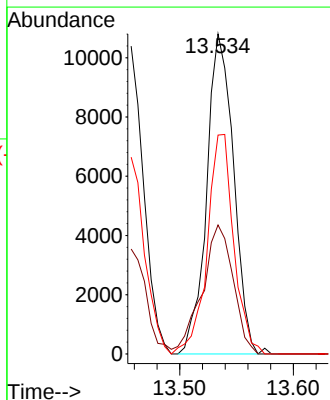
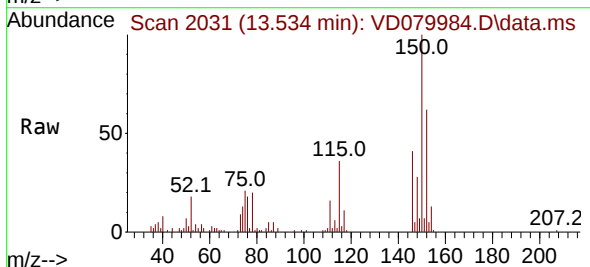
Manual Integrations
APPROVED

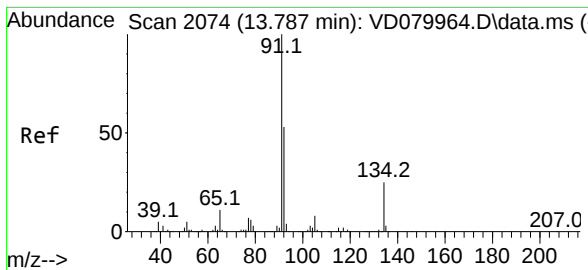
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#88
1,4-Dichlorobenzene
Concen: 4.618 ug/l
RT: 13.534 min Scan# 2031
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Tgt Ion:146 Resp: 17796
Ion Ratio Lower Upper
146 100
111 46.5 19.3 57.8
148 67.5 32.9 98.7





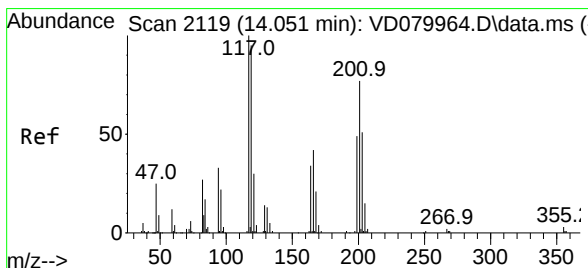
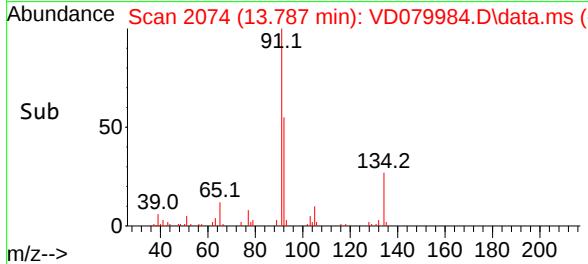
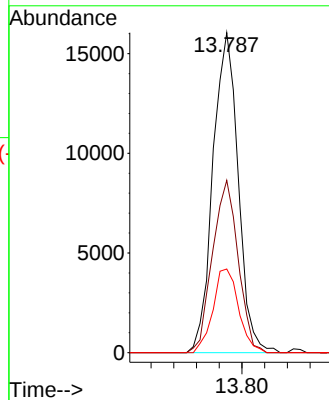
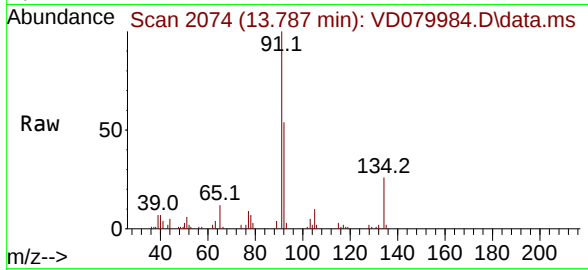
#89
n-Butylbenzene
Concen: 3.795 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion: 91 Resp: 2477
Ion Ratio Lower Upper
91 100
92 54.7 26.3 78.9
134 26.7 12.3 36.8

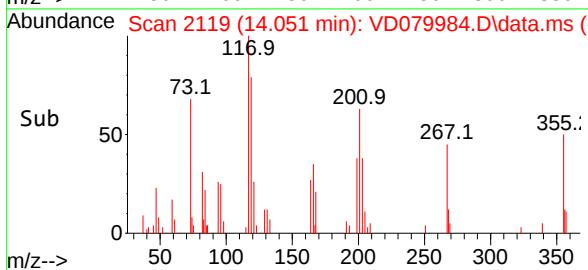
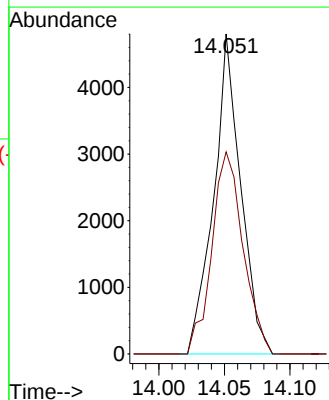
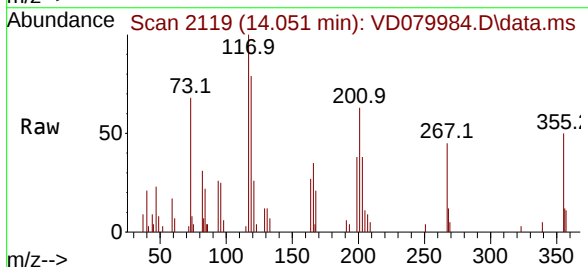
Manual Integrations
APPROVED

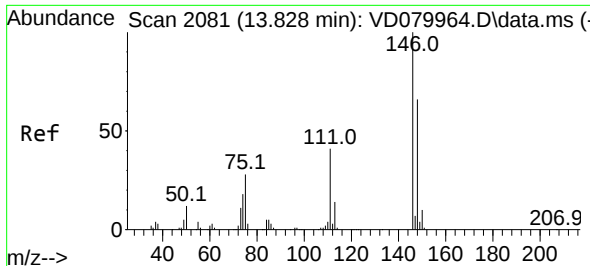
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#90
Hexachloroethane
Concen: 4.622 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

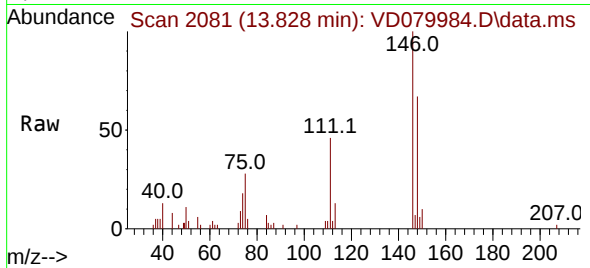
Tgt Ion:117 Resp: 6895
Ion Ratio Lower Upper
117 100
201 72.7 37.5 112.5





#91
1,2-Dichlorobenzene
Concen: 4.533 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

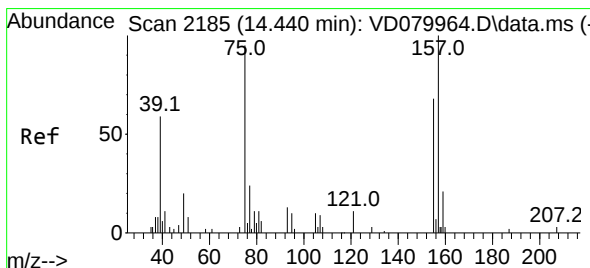
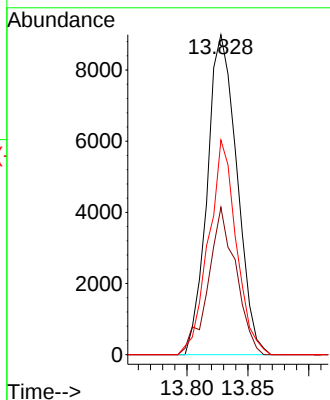
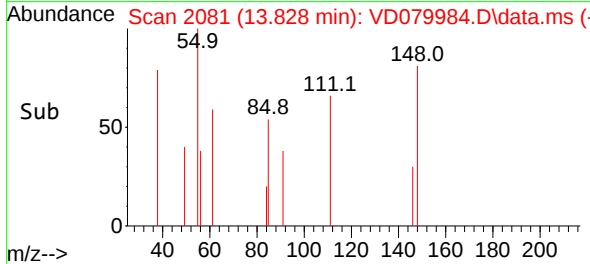
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



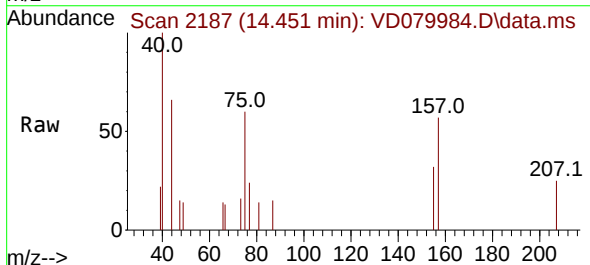
Tgt Ion:146 Resp: 1527
Ion Ratio Lower Upper
146 100
111 42.8 20.6 61.8
148 62.7 32.7 98.1

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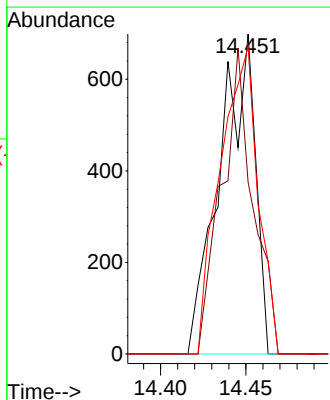
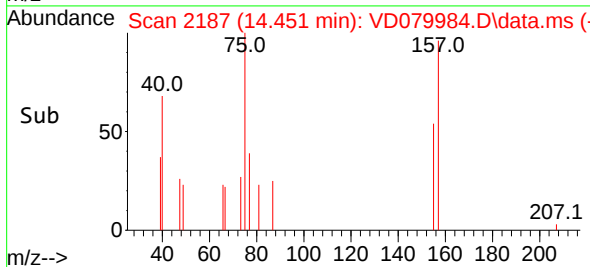
Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024

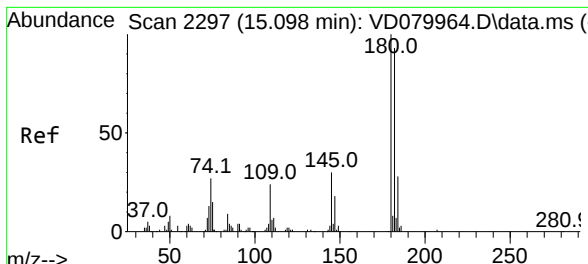


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.119 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. 0.012 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



Tgt Ion: 75 Resp: 1016
Ion Ratio Lower Upper
75 100
155 84.4 40.6 122.0
157 102.1 53.3 159.9





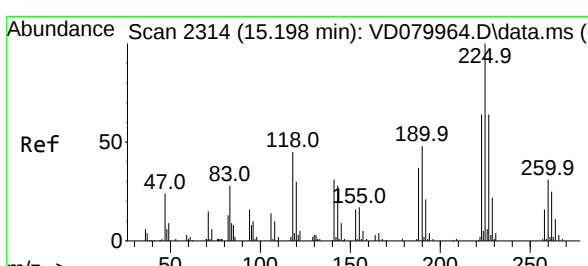
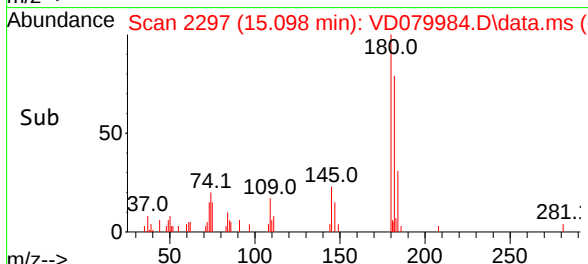
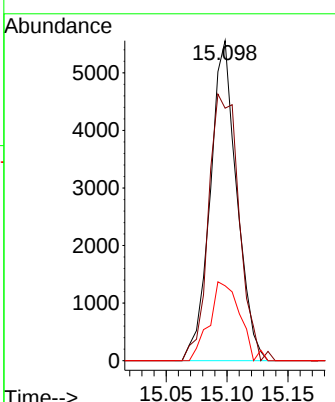
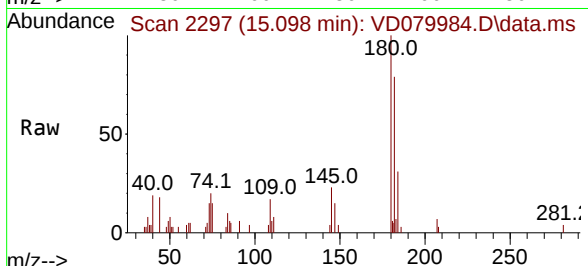
#93
 1,2,4-Trichlorobenzene
 Concen: 4.005 ug/l
 RT: 15.098 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD079984.D
 Acq: 15 Oct 2024 15:04

Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:180	Resp:	845
Ion Ratio	Lower	Upper
180	100	
182	95.4	47.4 142.2
145	28.3	14.7 44.1

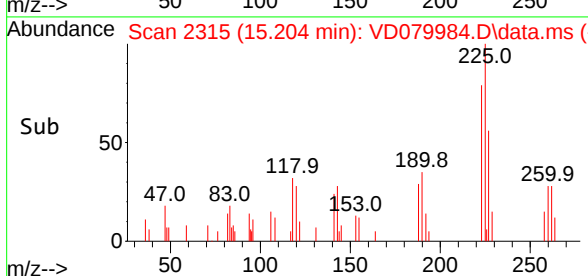
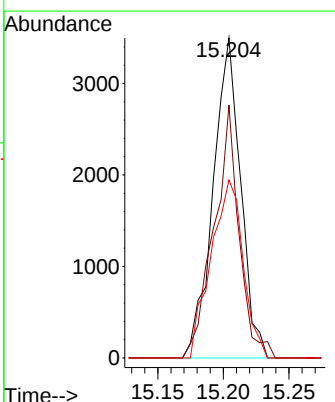
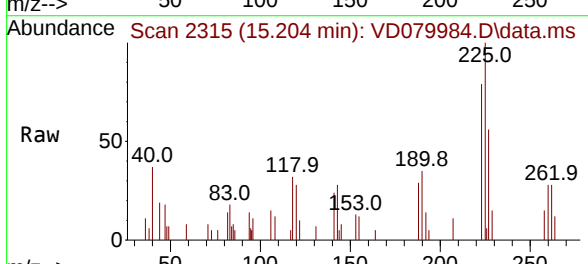
Manual Integrations
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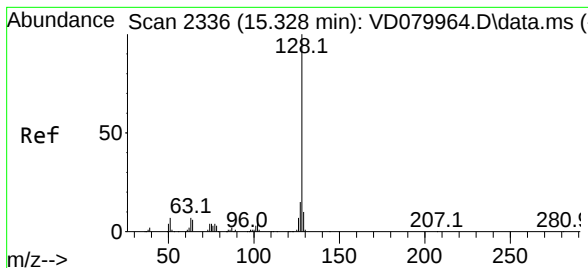
Reviewed By :Mahesh Dadoda 10/16/2024
 Supervised By :Semsettin Yesilyurt 10/16/2024



#94
 Hexachlorobutadiene
 Concen: 4.387 ug/l
 RT: 15.204 min Scan# 2315
 Delta R.T. 0.006 min
 Lab File: VD079984.D
 Acq: 15 Oct 2024 15:04

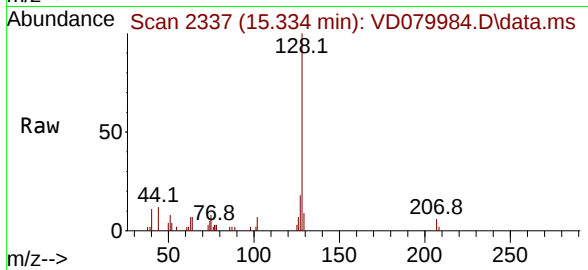
Tgt Ion:225	Resp:	5101
Ion Ratio	Lower	Upper
225	100	
223	72.2	31.5 94.5
227	64.8	30.9 92.5





#95
Naphthalene
Concen: 4.076 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04

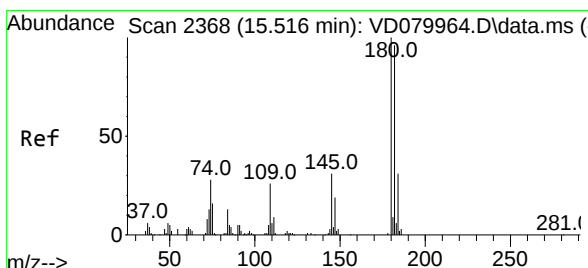
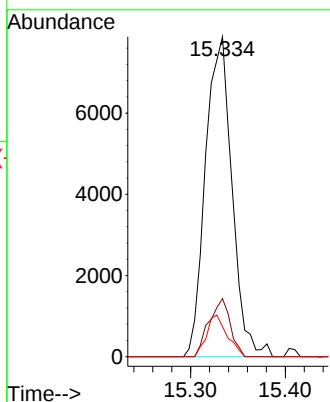
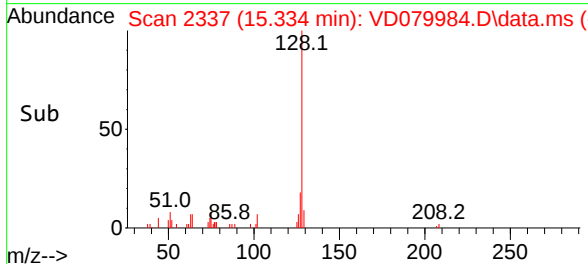
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2024



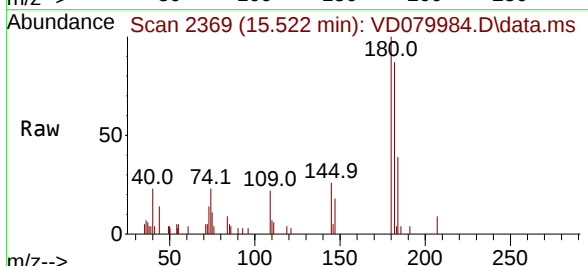
Tgt Ion:128 Resp: 1534
Ion Ratio Lower Upper
128 100
127 18.1 11.8 17.8
129 9.4 8.3 12.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024
Supervised By :Semsettin Yesilyurt 10/16/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.460 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.006 min
Lab File: VD079984.D
Acq: 15 Oct 2024 15:04



Tgt Ion:180 Resp: 8345
Ion Ratio Lower Upper
180 100
182 93.4 47.5 142.6
145 27.2 15.7 47.0

