

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111324\
 Data File : VD080003.D
 Acq On : 13 Nov 2024 16:33
 Operator : RP/MD
 Sample : P4776-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Nov 14 06:27:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM111224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 13 03:23:57 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/14/2024
 Supervised By :Semsettin Yesilyurt 11/14/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	232166	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	229050	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	101836	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	54354	15.706	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	62.840%		
7) Chloroethane-d5	2.805	69	48925	17.065	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	68.240%		
11) 1,1-Dichloroethene-d2	3.922	65	26882	18.949	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	75.800%		
21) 2-Butanone-d5	6.993	46	34031	46.705	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	93.420%		
24) Chloroform-d	7.569	84	156329	23.709	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	94.840%		
26) 1,2-Dichloroethane-d4	8.228	65	85583	23.936	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	95.760%		
32) Benzene-d6	8.205	84	299807	22.760	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	91.040%		
36) 1,2-Dichloropropane-d6	9.210	67	102380	24.093	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	96.360%		
41) Toluene-d8	10.269	98	269964	22.515	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	90.080%		
43) trans-1,3-Dichloroprop...	10.522	79	40783	23.847	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	95.400%		
47) 2-Hexanone-d5	10.875	63	29081	46.480	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.960%		
56) 1,1,2,2-Tetrachloroeth...	12.645	84	82421	24.214	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	96.840%		
66) 1,2-Dichlorobenzene-d4	13.810	152	98417	27.888	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	111.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4915	1.392	ug/L	97
3) Chloromethane	2.152	50	3692	1.279	ug/L	99
5) Vinyl chloride	2.281	62	4434	1.223	ug/L	88
6) Bromomethane	2.693	94	3337	1.303	ug/L	84
8) Chloroethane	2.834	64	2655	1.150	ug/L	89
9) Trichlorofluoromethane	3.175	101	7222	1.191	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	6039m	1.647	ug/L	
12) 1,1-Dichloroethene	3.946	96	5097	1.639	ug/L #	1
13) Acetone	4.028	43	2190m	2.534	ug/L	
14) Carbon disulfide	4.269	76	13433m	1.293	ug/L	
15) Methyl Acetate	4.581	43	1810m	1.335	ug/L	
16) Methylene chloride	4.799	84	7568	1.965	ug/L	87
17) trans-1,2-Dichloroethene	5.322	96	4315m	1.260	ug/L	
18) Methyl tert-butyl Ether	5.316	73	8213	1.233	ug/L #	71
19) 1,1-Dichloroethane	6.122	63	9099	1.422	ug/L	93
20) cis-1,2-Dichloroethene	7.075	96	5494m	1.471	ug/L	
22) 2-Butanone	7.087	43	3517m	3.429	ug/L	
23) Bromochloromethane	7.422	128	2655m	1.431	ug/L	
25) Chloroform	7.599	83	21180	2.863	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	6201	1.436	ug/L	95
29) Cyclohexane	7.875	56	5301m	1.071	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	8137	1.388	ug/L #	83
31) Carbon tetrachloride	7.999	117	6447	1.253	ug/L	97
33) Benzene	8.257	78	19748	1.380	ug/L	100
34) Trichloroethene	9.028	95	5116	1.333	ug/L	89
35) Methylcyclohexane	9.275	83	6530	1.164	ug/L	92
38) Bromodichloromethane	9.581	83	7351	1.443	ug/L	85
39) cis-1,3-Dichloropropene	10.016	75	10167m	1.760	ug/L	
40) 4-Methyl-2-pentanone	10.163	43	4986	2.641	ug/L	98
42) Toluene	10.328	91	20477	1.310	ug/L	90
44) trans-1,3-Dichloropropene	10.551	75	8839	1.777	ug/L #	69
45) 1,1,2-Trichloroethane	10.728	97	4600	1.510	ug/L	80
46) Tetrachloroethene	10.804	164	4618	1.414	ug/L	78
48) 2-Hexanone	10.875	43	8896m	5.843	ug/L	
49) Dibromochloromethane	11.069	129	5109	1.424	ug/L	86
50) 1,2-Dibromoethane	11.175	107	3746	1.348	ug/L #	87
51) Chlorobenzene	11.604	112	13781	1.344	ug/L	91
52) Ethylbenzene	11.681	91	20795	1.232	ug/L	97
53) m,p-Xylene	11.793	106	7316	1.156	ug/L	93
54) o-Xylene	12.116	106	7538	1.250	ug/L	82
55) Styrene	12.128	104	11654	1.074	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.663	83	6040	1.707	ug/L #	97
59) Bromoform	12.293	173	2902	1.544	ug/L #	96
60) Isopropylbenzene	12.422	105	17435	1.252	ug/L	97
61) 1,2,3-Trichloropropane	12.722	75	3242	1.633	ug/L #	85
62) 1,3,5-Trimethylbenzene	12.898	105	14327	1.310	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	12796	1.175	ug/L	94
64) 1,3-Dichlorobenzene	13.457	146	9502	1.391	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	10820	1.512	ug/L	90
67) 1,2-Dichlorobenzene	13.828	146	10631	1.684	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.440	75	678m	1.568	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	6230m	1.350	ug/L	
70) 1,2,4-trichlorobenzene	15.098	180	5522	1.420	ug/L	98
71) Naphthalene	15.328	128	9594	1.444	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.516	180	4993	1.454	ug/L #	91

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

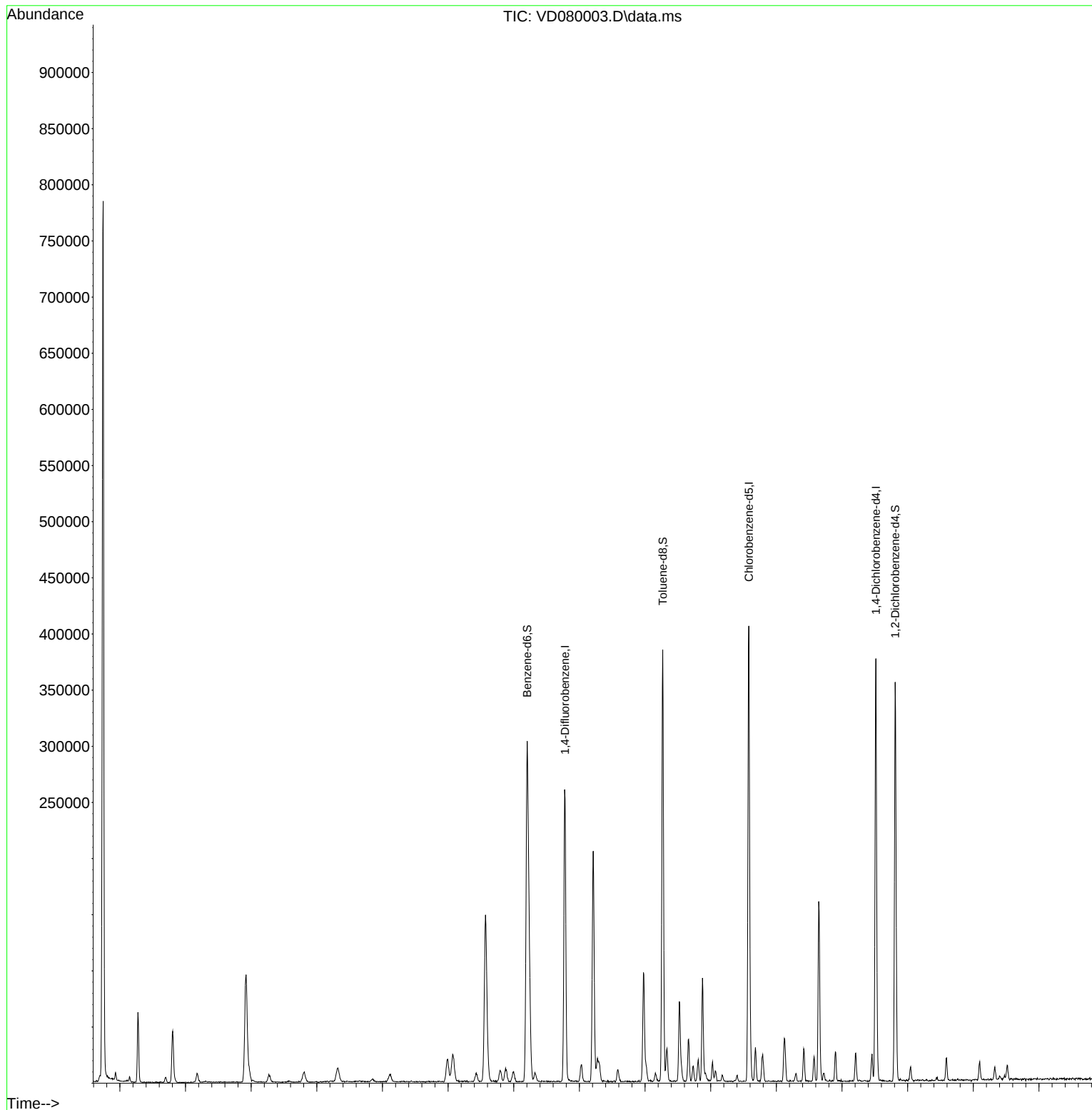
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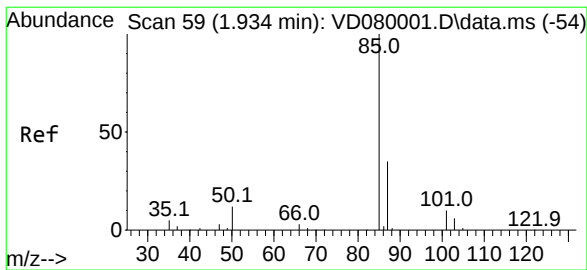
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MDL-SOIL-QT4-2024-08

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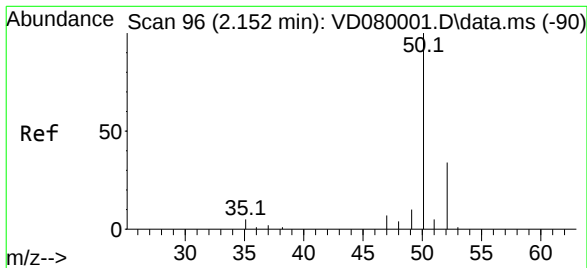
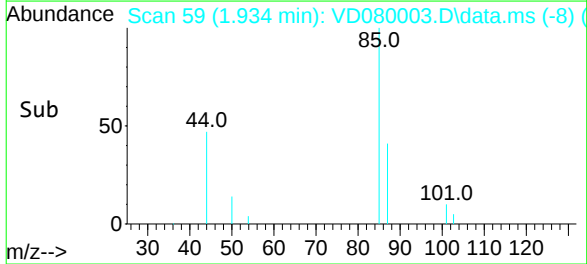
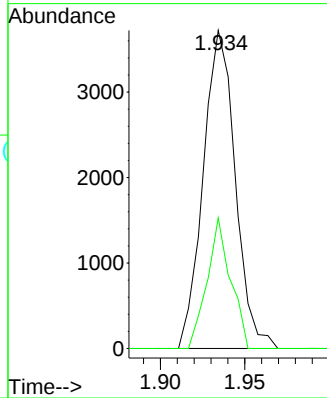
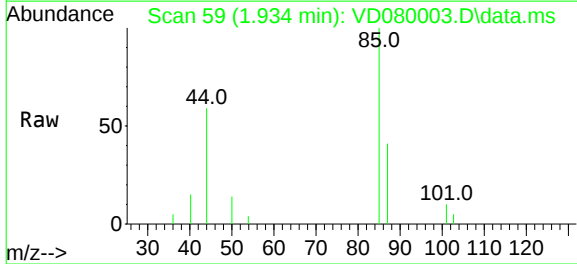
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Dichlorodifluoromethane
Concen: 1.392 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion: 85 Resp: 4915
Ion Ratio Lower Upper
85 100
87 30.0 25.4 38.2

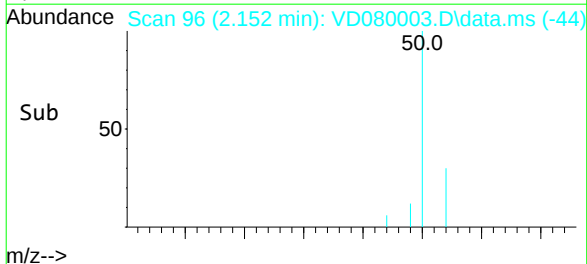
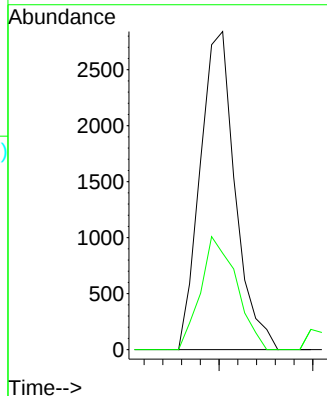
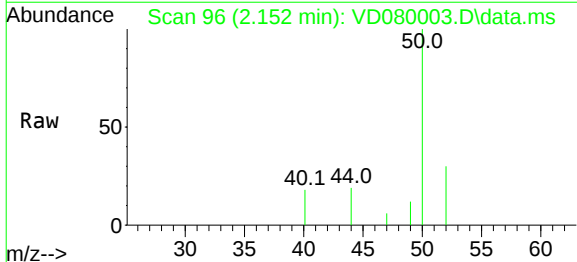
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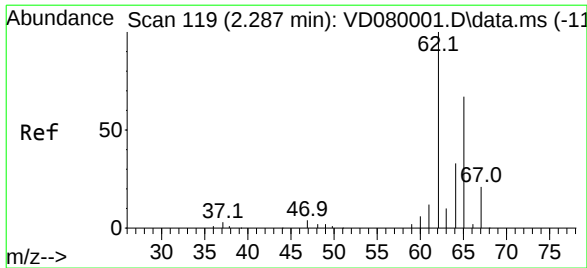
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#3
Chloromethane
Concen: 1.279 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

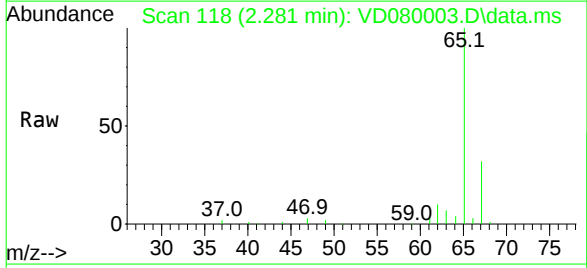
Tgt Ion: 50 Resp: 3692
Ion Ratio Lower Upper
50 100
52 30.3 21.6 40.0





Vinyl chloride
 Concen: 1.223 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD080003.D
 Acq: 13 Nov 2024 16:33

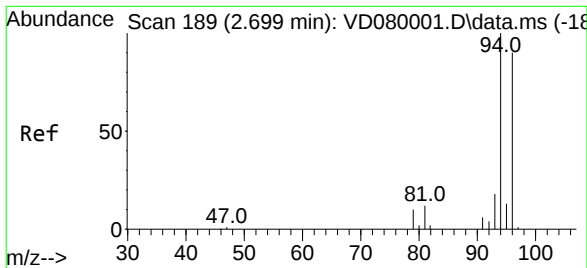
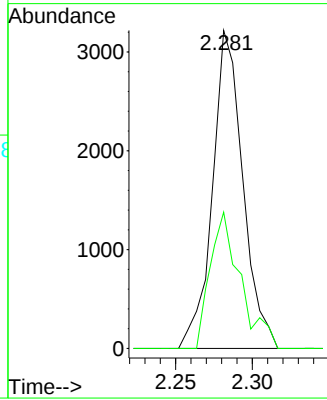
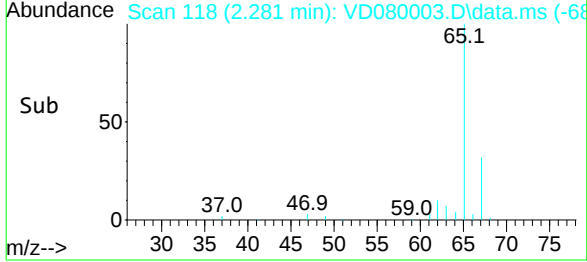
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT4-2024-08



Tgt Ion: 62 Resp: 4434
 Ion Ratio Lower Upper
 62 100
 64 42.9 25.1 46.7

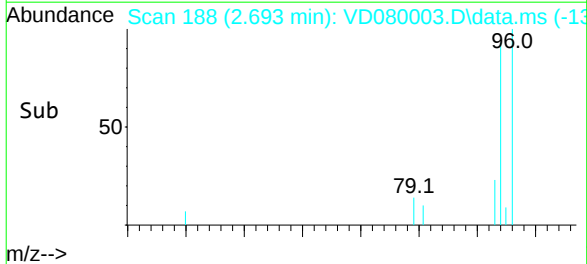
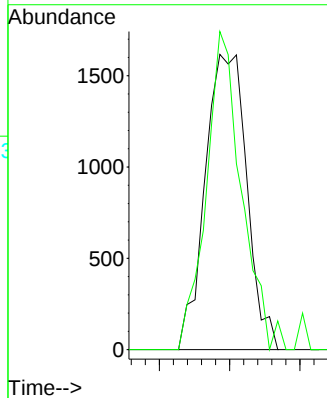
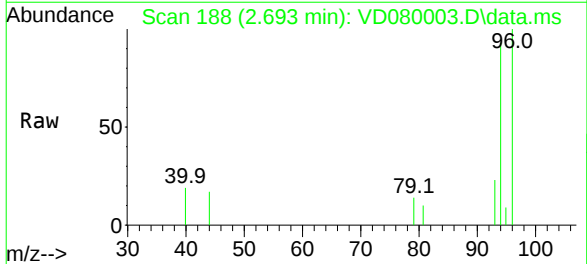
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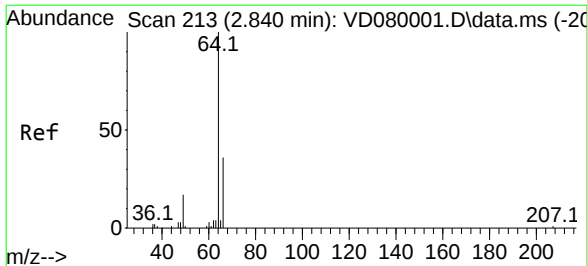
Reviewed By :Mahesh Dadoda 11/14/2024
 Supervised By :Semsettin Yesilyurt 11/14/2024



Bromomethane
 Concen: 1.303 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD080003.D
 Acq: 13 Nov 2024 16:33

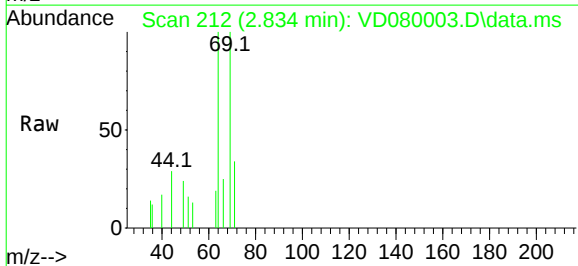
Tgt Ion: 94 Resp: 3337
 Ion Ratio Lower Upper
 94 100
 96 107.7 64.5 119.7





#8
Chloroethane
Concen: 1.150 ug/L
RT: 2.834 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

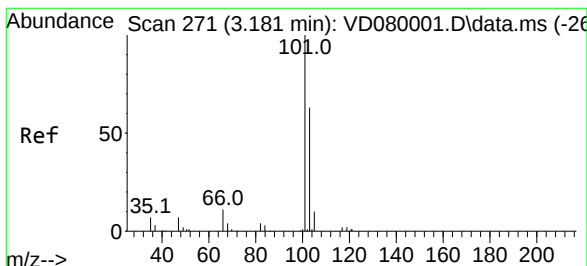
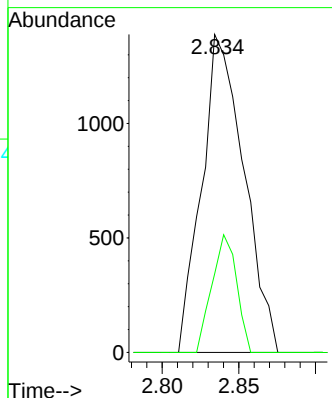
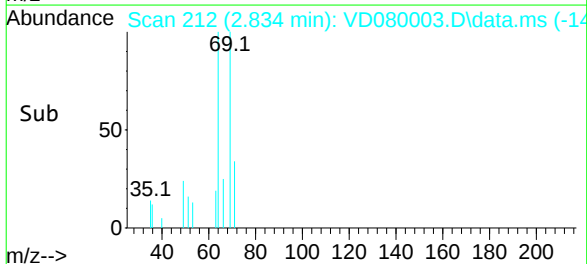
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08



Tgt Ion: 64 Resp: 2655
Ion Ratio Lower Upper
64 100
66 24.7 21.7 40.3

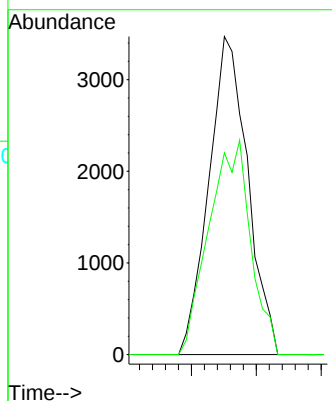
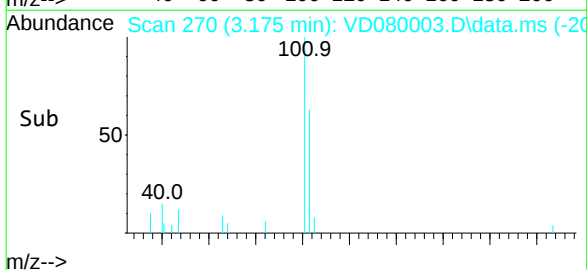
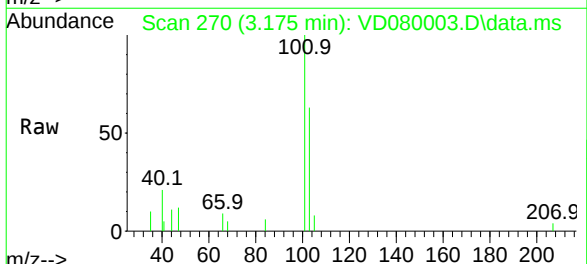
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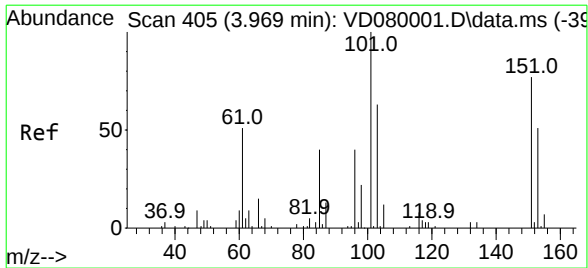
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#9
Trichlorofluoromethane
Concen: 1.191 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

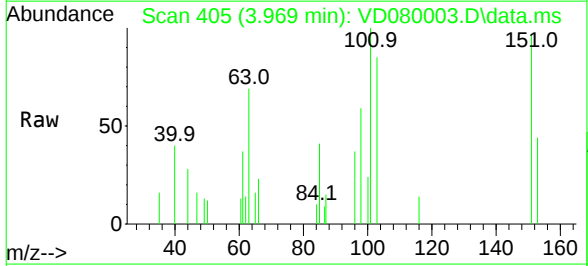
Tgt Ion:101 Resp: 7222
Ion Ratio Lower Upper
101 100
103 72.3 51.8 77.8





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.647 ug/L m
RT: 3.969 min Scan# 40
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

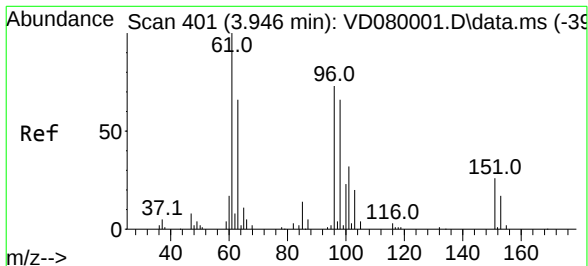
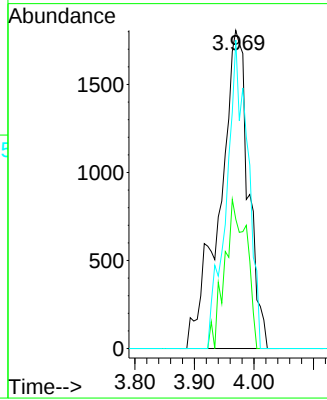
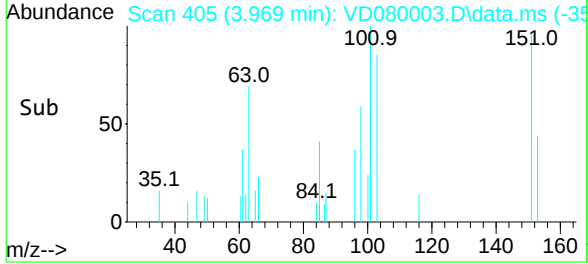
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Tgt Ion	Ratio	Lower	Upper
101	100		
85	23.0	34.9	52.3
151	73.3	60.7	91.1

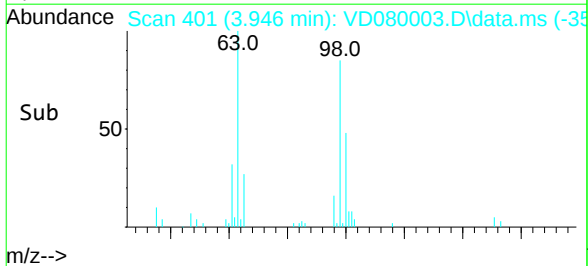
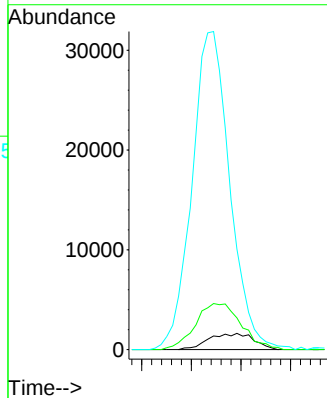
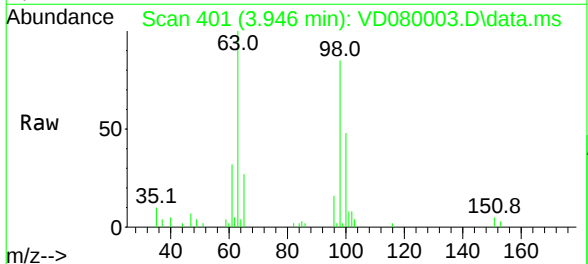
Manual Integrations
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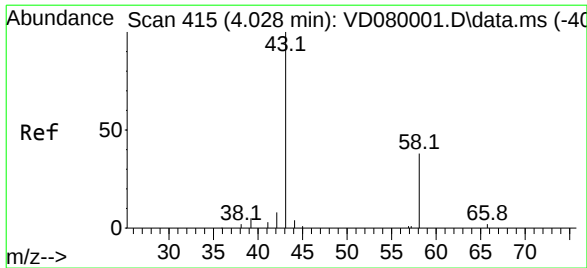
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#12
1,1-Dichloroethene
Concen: 1.639 ug/L
RT: 3.946 min Scan# 401
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.0	111.2	206.6
63	618.2	78.9	146.5





#13

Acetone

Concen: 2.534 ug/L m

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08

Tgt Ion: 43 Resp: 2190

Ion Ratio Lower Upper

43 100

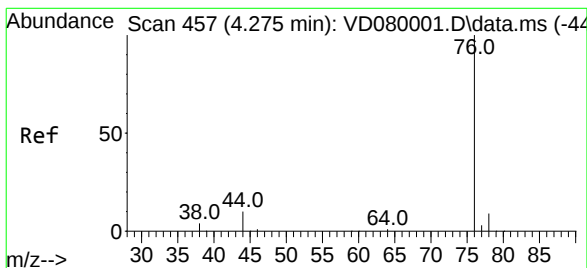
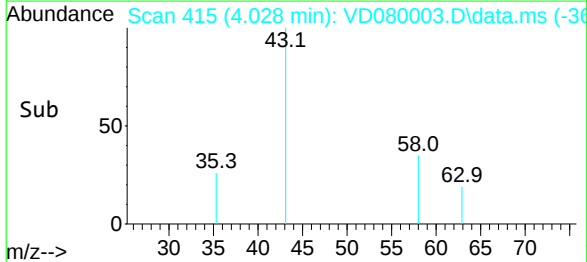
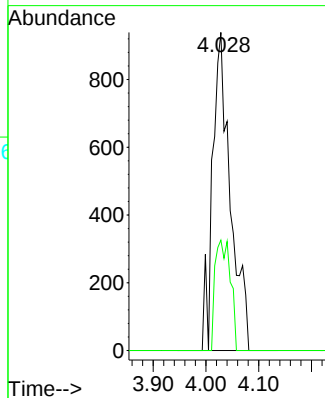
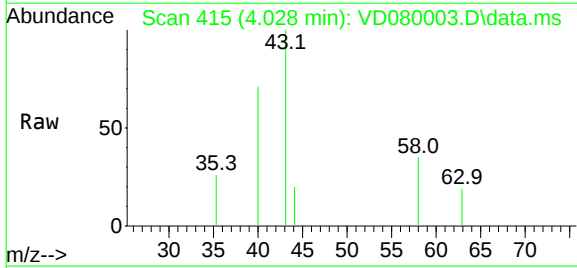
58 18.6 0.0 71.8

Manual Integrations

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#14

Carbon disulfide

Concen: 1.293 ug/L m

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD080003.D

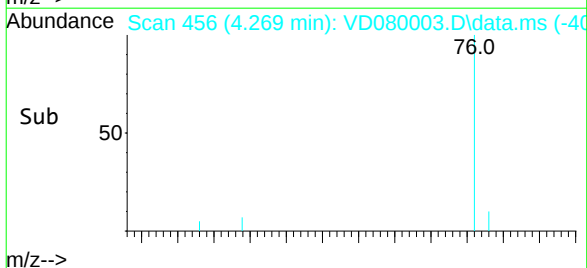
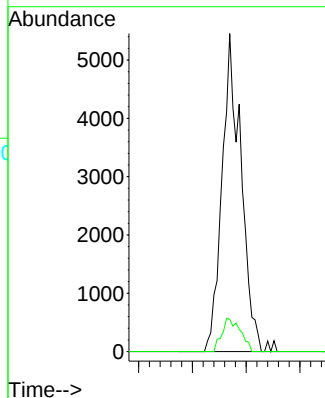
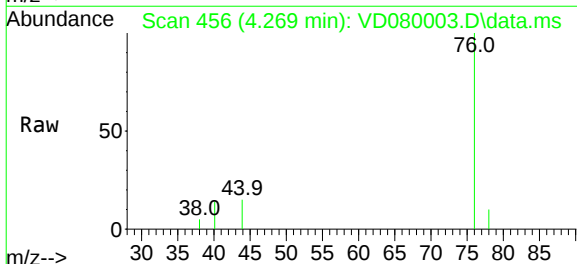
Acq: 13 Nov 2024 16:33

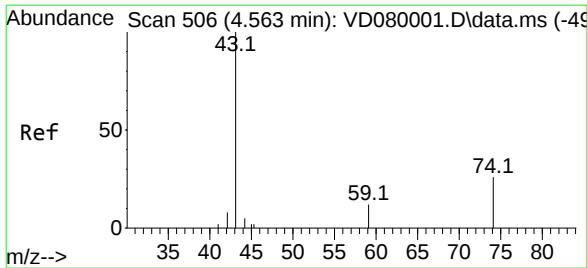
Tgt Ion: 76 Resp: 13433

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2





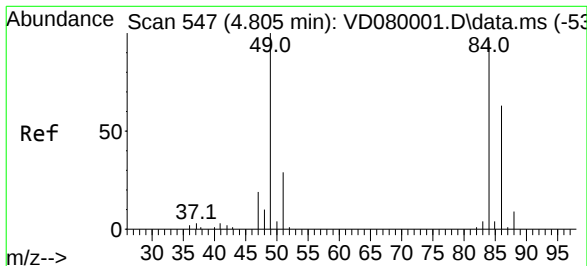
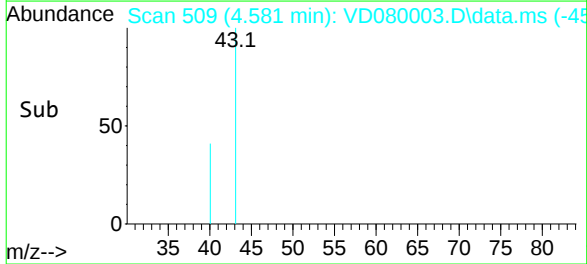
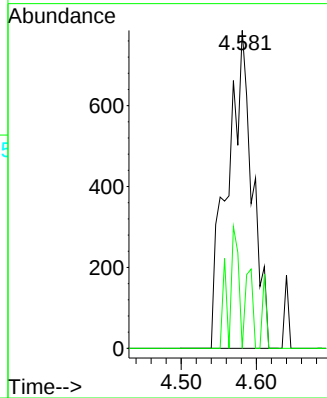
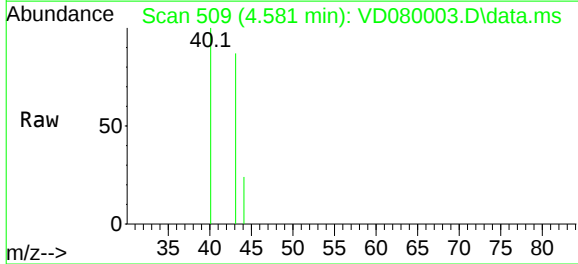
#15
Methyl Acetate
Concen: 1.335 ug/L m
RT: 4.581 min Scan# 506
Delta R.T. 0.018 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion: 43 Resp: 1810
Ion Ratio Lower Upper
43 100
74 4.3 0.2 0.2#

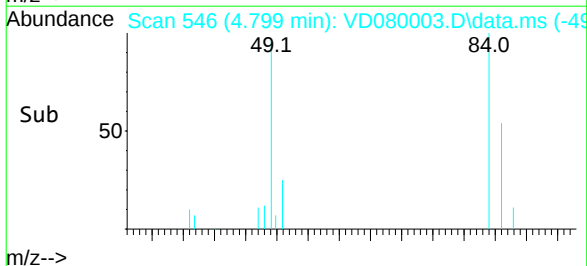
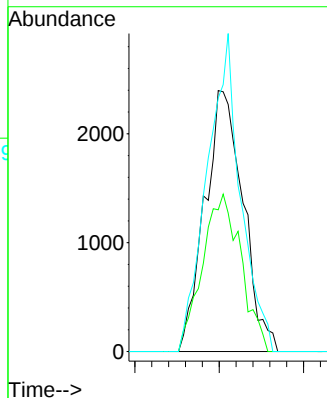
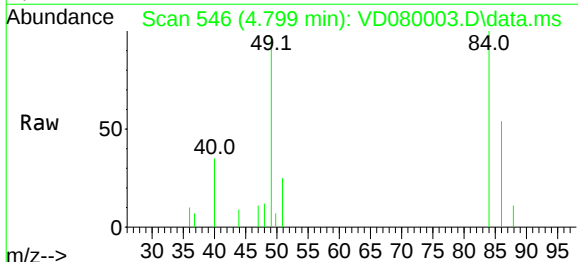
Manual Integrations
APPROVED

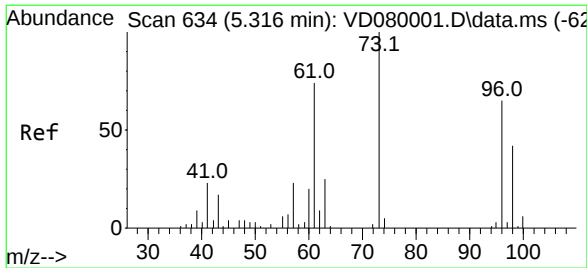
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#16
Methylene chloride
Concen: 1.965 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

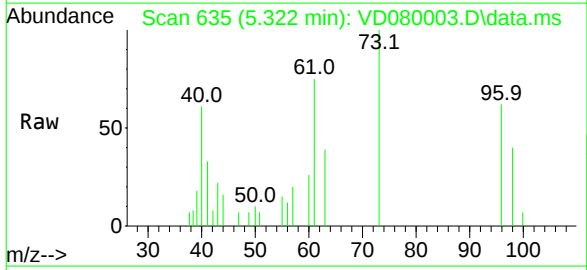
Tgt Ion: 84 Resp: 7568
Ion Ratio Lower Upper
84 100
86 54.3 45.4 84.4
49 97.2 77.3 143.7





#17
trans-1,2-Dichloroethene
Concen: 1.260 ug/L m
RT: 5.322 min Scan# 63
Delta R.T. 0.012 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

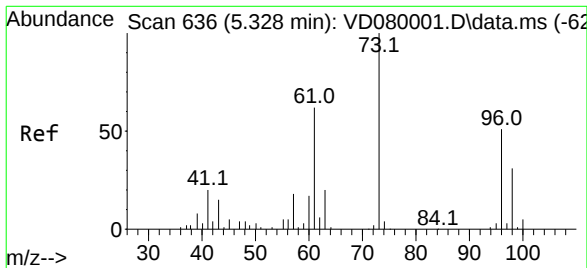
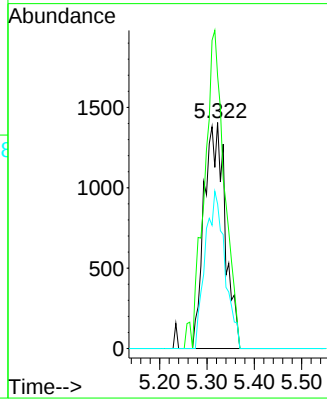
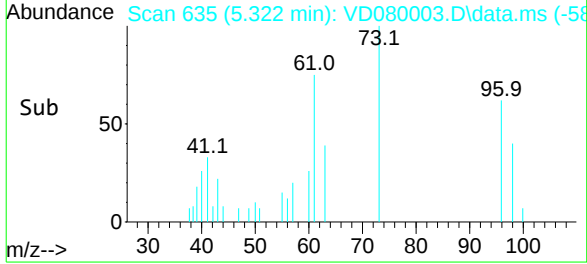
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08



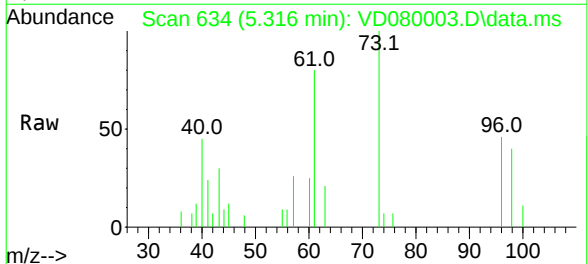
Tgt Ion: 96 Resp: 4315
Ion Ratio Lower Upper
96 100
61 120.6 91.1 169.3
98 63.9 41.6 77.2

Manual Integrations
APPROVED

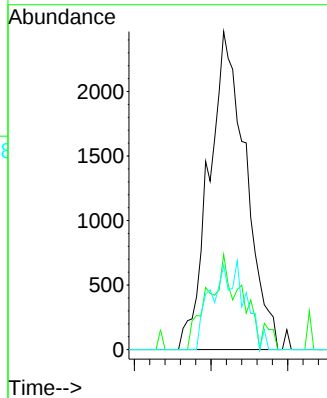
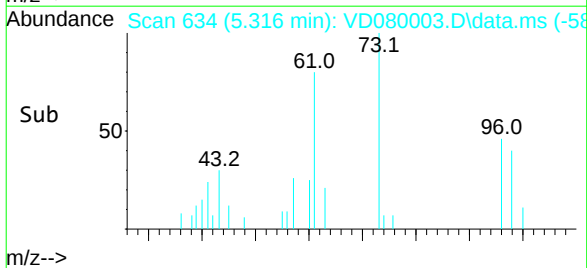
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024

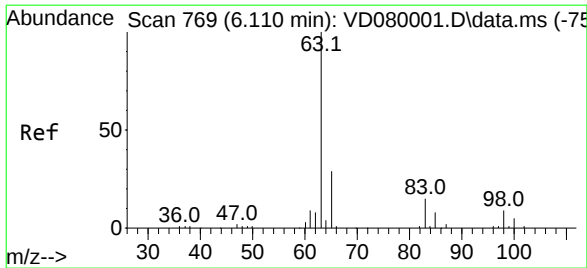


#18
Methyl tert-butyl Ether
Concen: 1.233 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33



Tgt Ion: 73 Resp: 8213
Ion Ratio Lower Upper
73 100
43 9.0 16.1 24.1#
57 6.9 18.5 27.7#





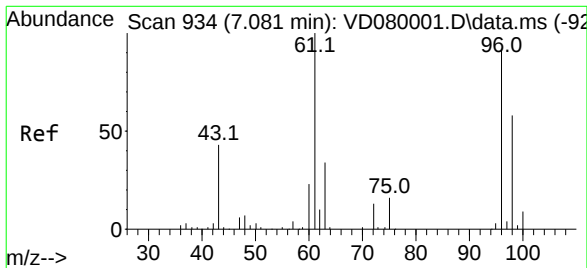
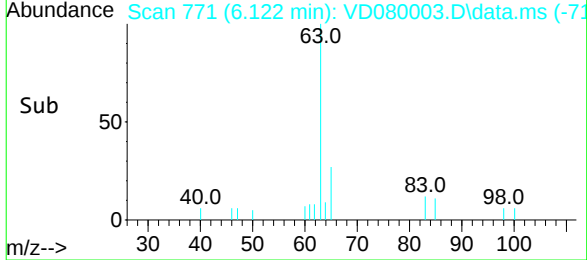
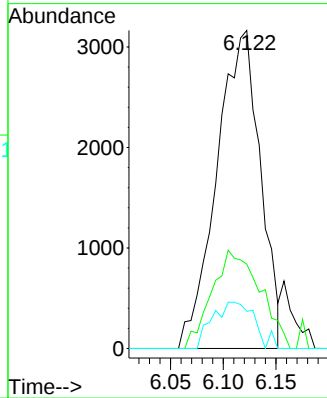
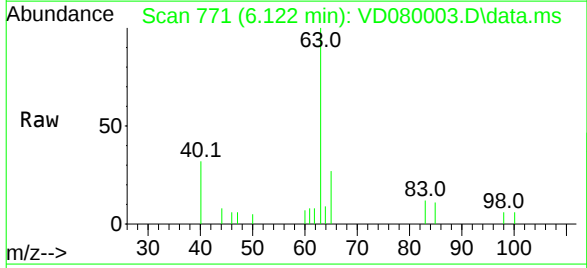
#19
1,1-Dichloroethane
Concen: 1.422 ug/L
RT: 6.122 min Scan# 771
Delta R.T. 0.012 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion:	63	Resp:	9099
Ion	Ratio	Lower	Upper
63	100		
65	26.5	21.9	40.7
83	11.7	9.0	16.6

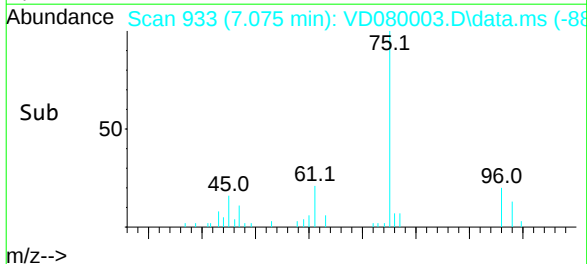
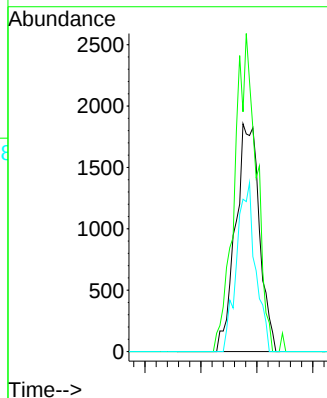
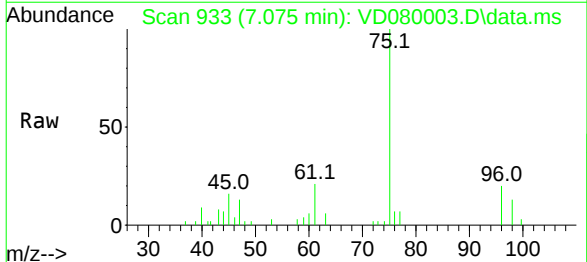
Manual Integrations
APPROVED

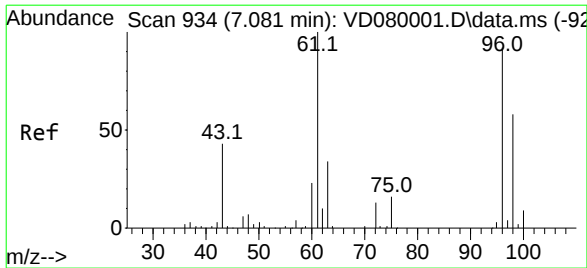
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#20
cis-1,2-Dichloroethene
Concen: 1.471 ug/L m
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Tgt Ion:	96	Resp:	5494
Ion	Ratio	Lower	Upper
96	100		
61	105.2	84.8	157.4
98	66.9	44.4	82.5





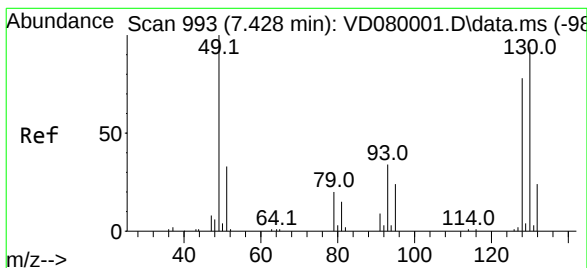
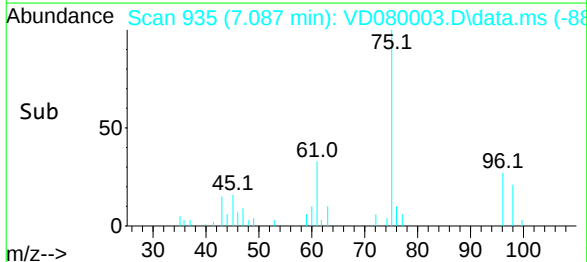
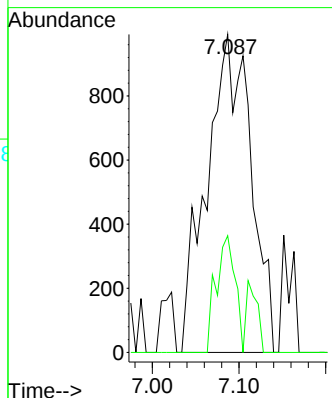
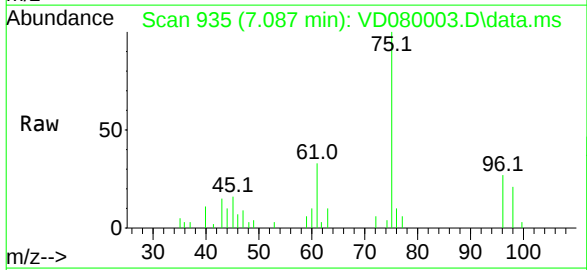
#22
2-Butanone
Concen: 3.429 ug/L m
RT: 7.087 min Scan# 93
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion: 43 Resp: 3517
Ion Ratio Lower Upper
43 100
72 15.8 14.3 42.9

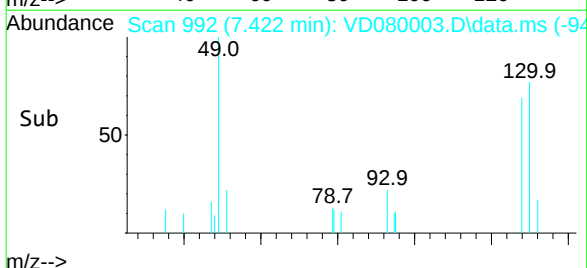
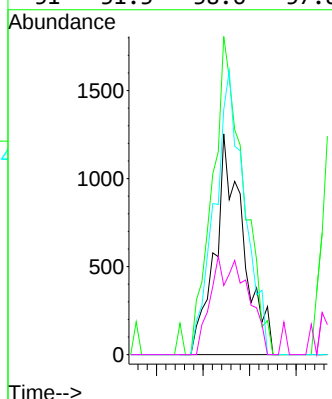
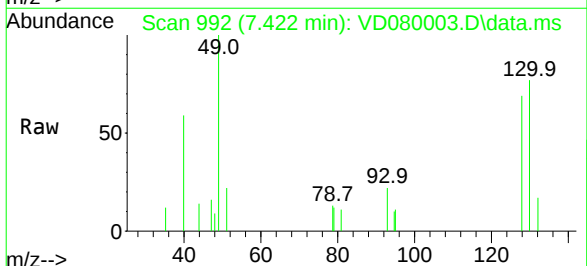
Manual Integrations
APPROVED

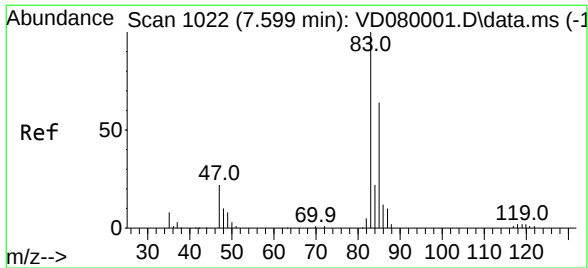
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#23
Bromochloromethane
Concen: 1.431 ug/L m
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Tgt Ion:128 Resp: 2655
Ion Ratio Lower Upper
128 100
49 144.1 103.2 191.6
130 111.0 90.6 168.2
51 31.3 38.6 57.8#





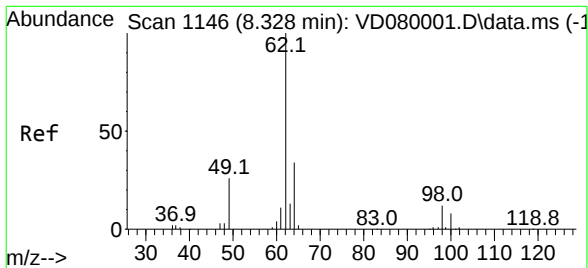
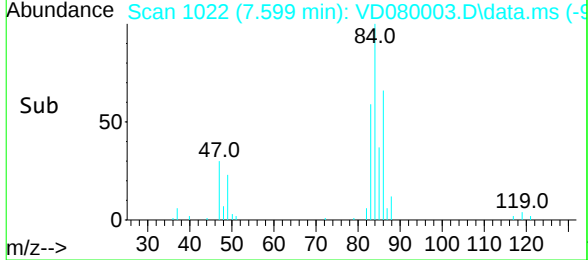
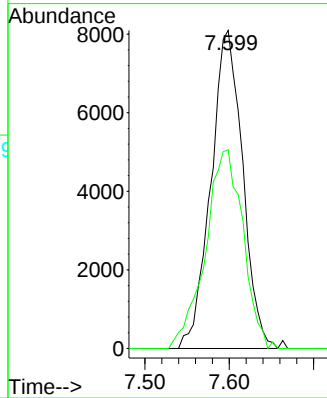
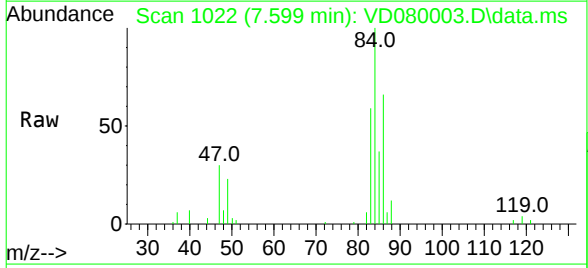
#25
Chloroform
Concen: 2.863 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion: 83 Resp: 21180
Ion Ratio Lower Upper
83 100
85 62.5 45.6 84.6

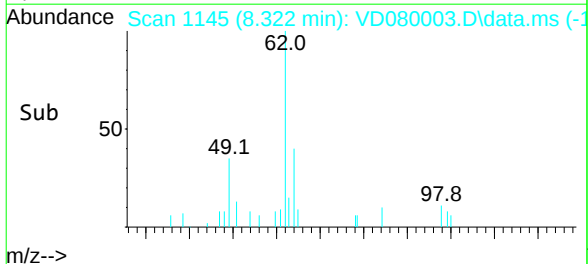
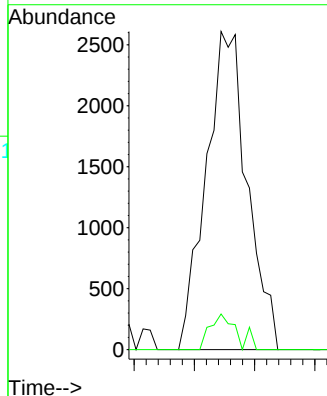
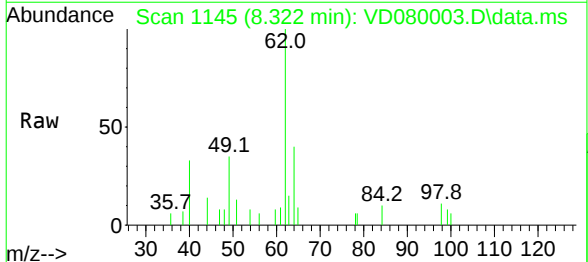
Manual Integrations
APPROVED

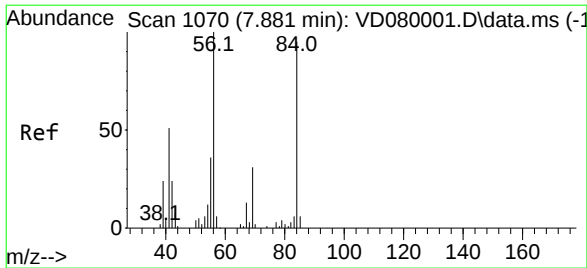
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#27
1,2-Dichloroethane
Concen: 1.436 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

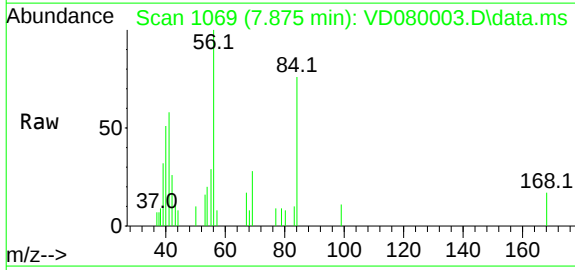
Tgt Ion: 62 Resp: 6201
Ion Ratio Lower Upper
62 100
98 11.2 7.5 11.3





#29
Cyclohexane
Concen: 1.071 ug/L m
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

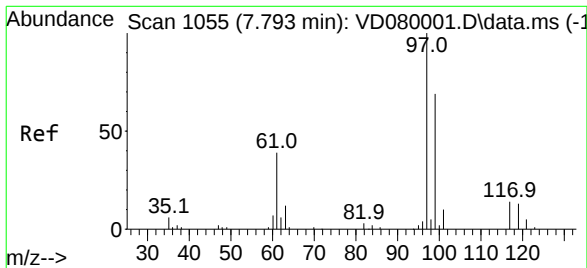
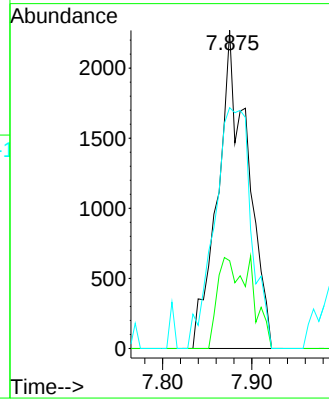
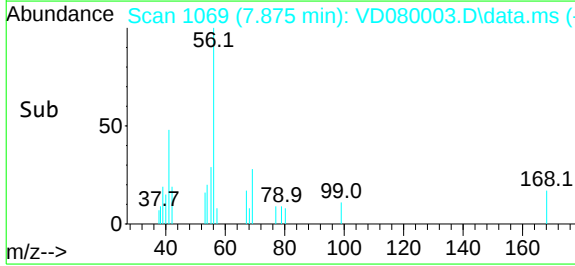
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2024-08



Tgt Ion: 56 Resp: 5301
Ion Ratio Lower Upper
56 100
69 23.1 25.6 38.4#
84 56.6 71.0 106.6#

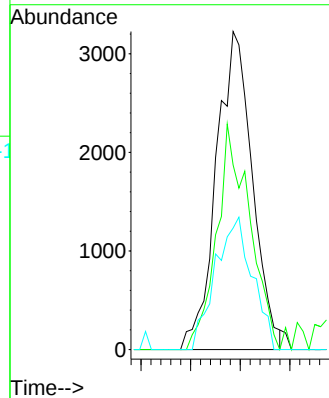
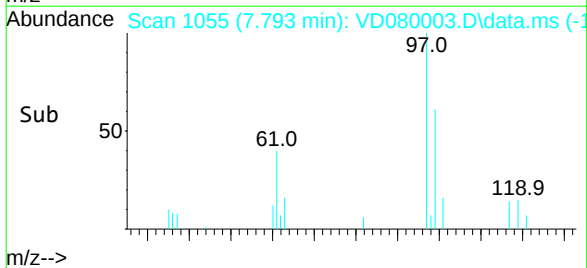
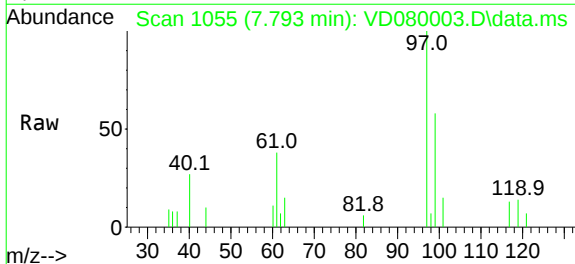
Manual Integrations
APPROVED

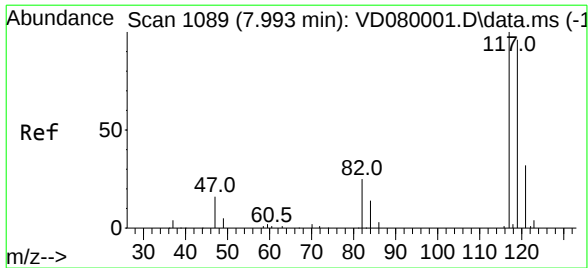
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#30
1,1,1-Trichloroethane
Concen: 1.388 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

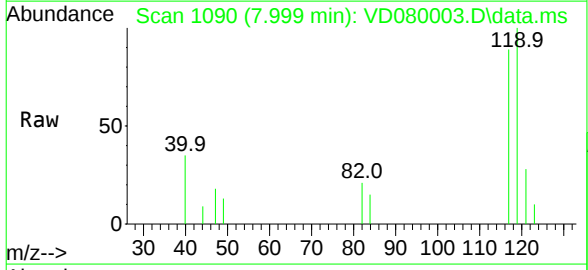
Tgt Ion: 97 Resp: 8137
Ion Ratio Lower Upper
97 100
99 42.4 51.5 77.3#
61 42.6 34.3 51.5





#31
Carbon tetrachloride
Concen: 1.253 ug/L
RT: 7.999 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

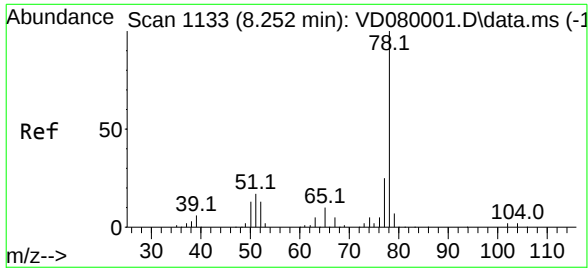
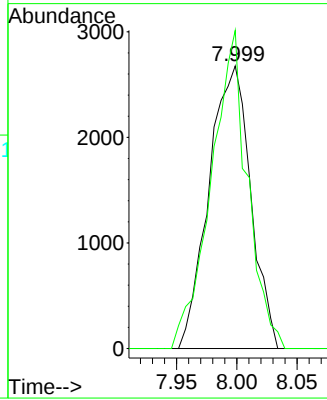
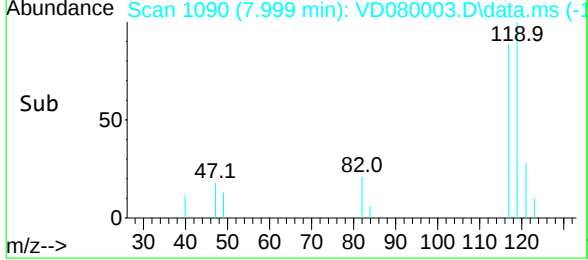
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2024-08



Tgt Ion: 117 Resp: 6447
Ion Ratio Lower Upper
117 100
119 98.5 76.8 115.2

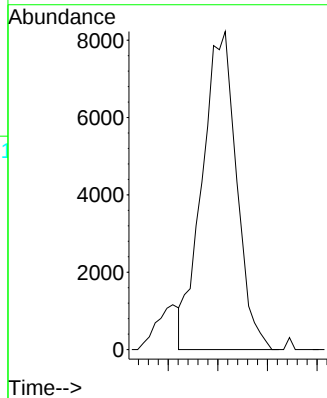
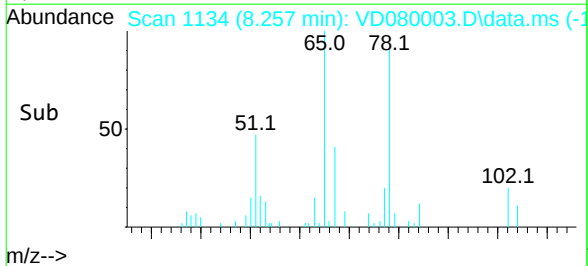
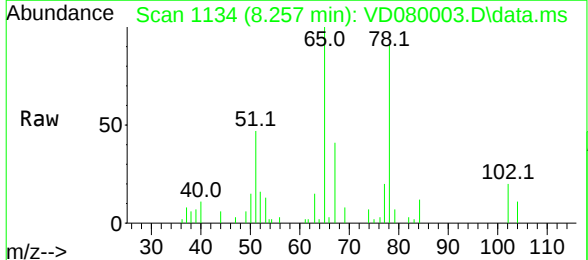
Manual Integrations
APPROVED

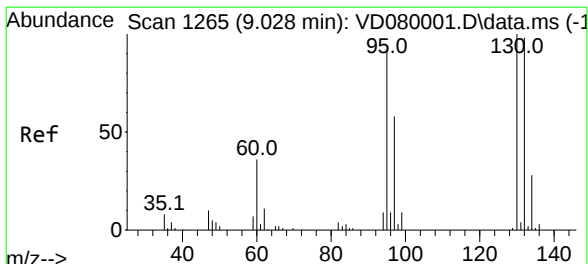
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#33
Benzene
Concen: 1.380 ug/L
RT: 8.257 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

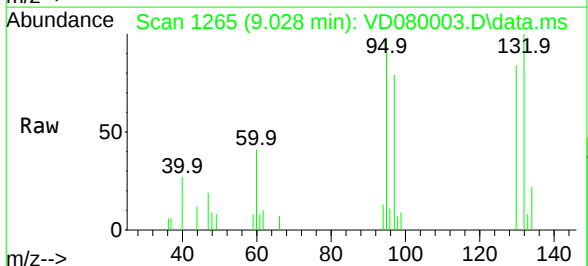
Tgt Ion: 78 Resp: 19748





#34
 Trichloroethene
 Concen: 1.333 ug/L
 RT: 9.028 min Scan# 1265
 Delta R.T. 0.000 min
 Lab File: VD080003.D
 Acq: 13 Nov 2024 16:33

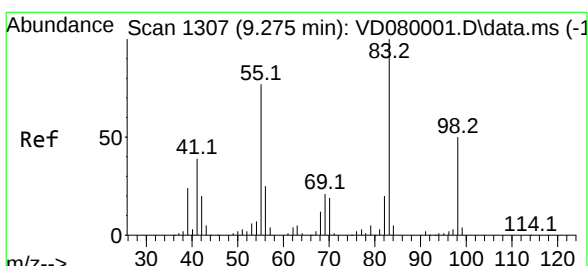
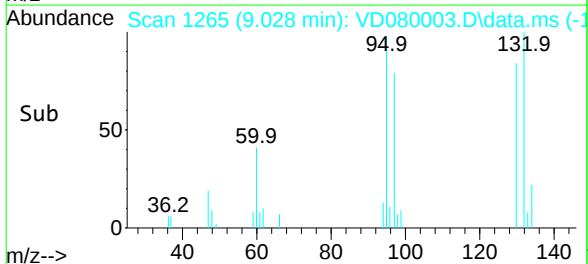
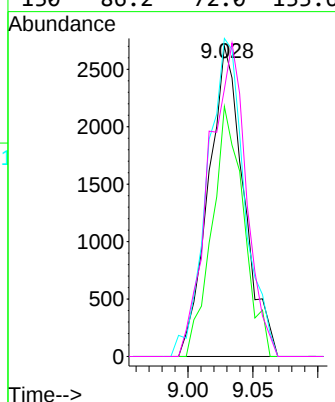
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT4-2024-08



Tgt Ion	Ratio	Lower	Upper
95	100		
97	80.6	47.7	88.5
132	102.5	72.8	135.2
130	86.2	72.0	133.6

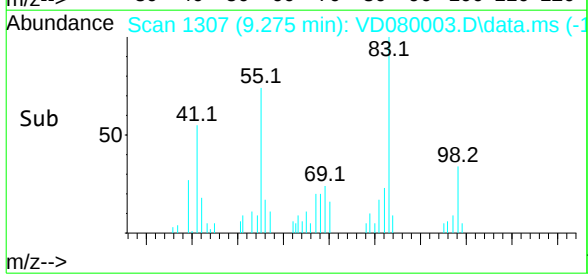
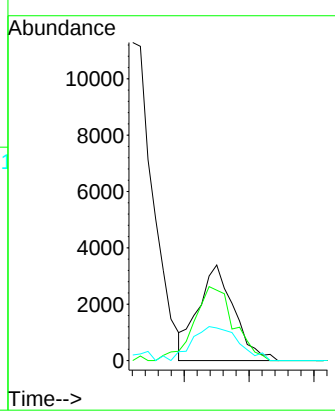
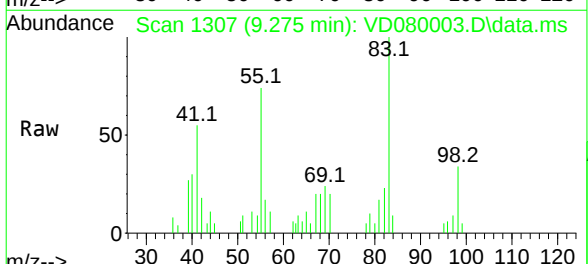
Manual Integrations
 APPROVED

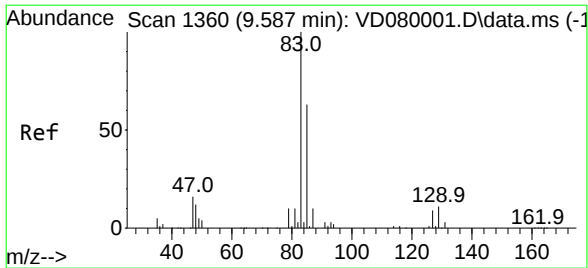
Reviewed By :Mahesh Dadoda 11/14/2024
 Supervised By :Semsettin Yesilyurt 11/14/2024



#35
 Methylcyclohexane
 Concen: 1.164 ug/L
 RT: 9.275 min Scan# 1307
 Delta R.T. 0.000 min
 Lab File: VD080003.D
 Acq: 13 Nov 2024 16:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.6	61.2	91.8
98	45.2	38.2	57.2





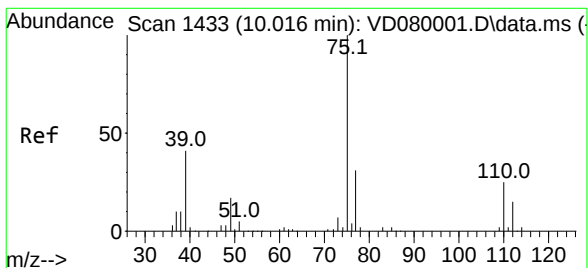
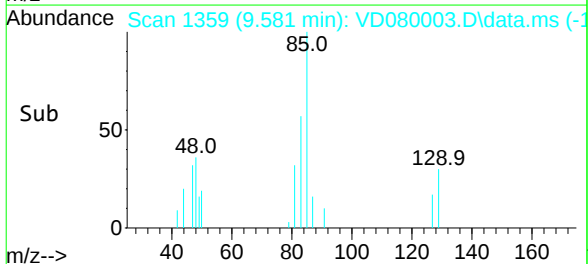
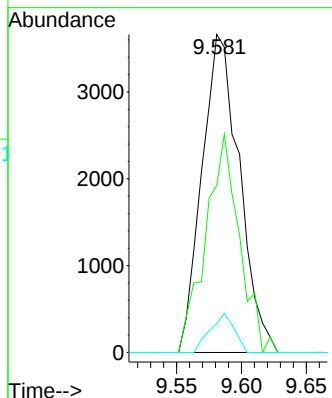
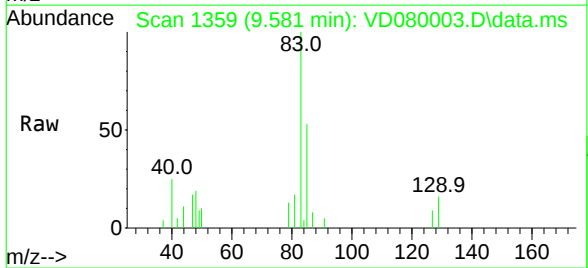
#38
 Bromodichloromethane
 Concen: 1.443 ug/L
 RT: 9.581 min Scan# 1360
 Delta R.T. 0.000 min
 Lab File: VD080003.D
 Acq: 13 Nov 2024 16:33

Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion:	83	Resp:	7351
Ion	Ratio	Lower	Upper
83	100		
85	52.5	46.0	85.4
127	9.0	6.7	10.1

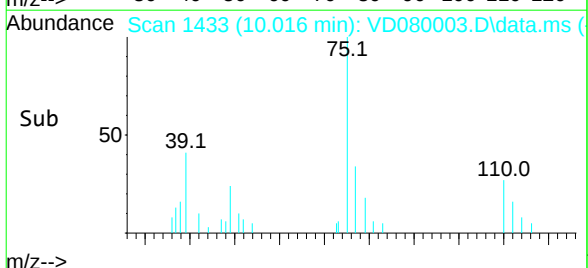
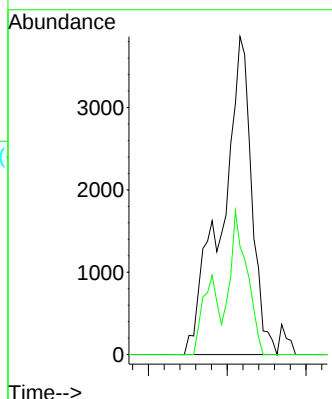
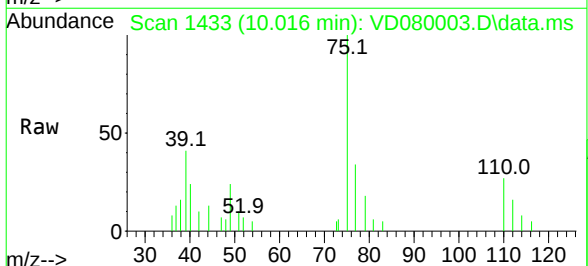
Manual Integrations
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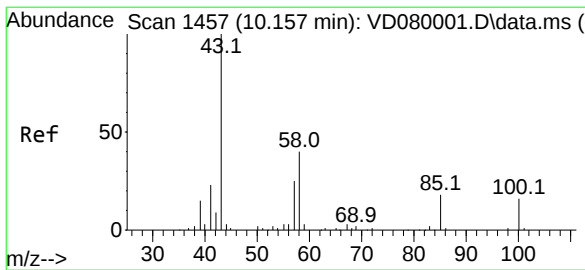
Reviewed By :Mahesh Dadoda 11/14/2024
 Supervised By :Semsettin Yesilyurt 11/14/2024



#39
 cis-1,3-Dichloropropene
 Concen: 1.760 ug/L m
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD080003.D
 Acq: 13 Nov 2024 16:33

Tgt Ion:	75	Resp:	10167
Ion	Ratio	Lower	Upper
75	100		
77	34.0	22.5	41.9





#40

4-Methyl-2-pentanone

Concen: 2.641 ug/L

RT: 10.163 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

Instrument :

MSVOA_D

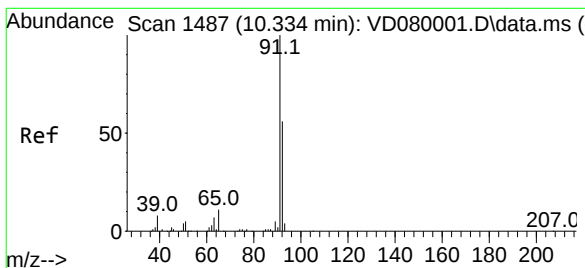
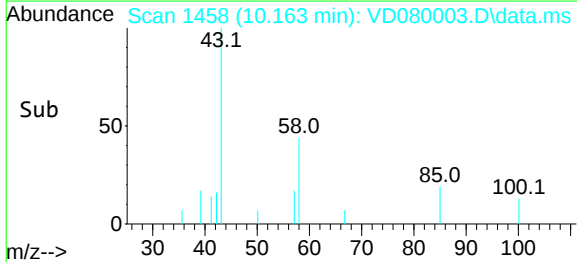
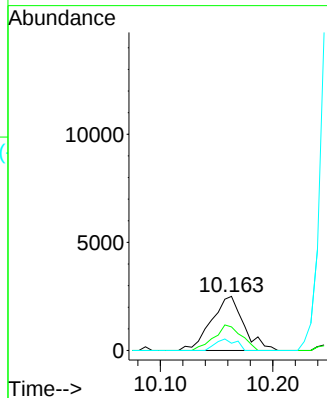
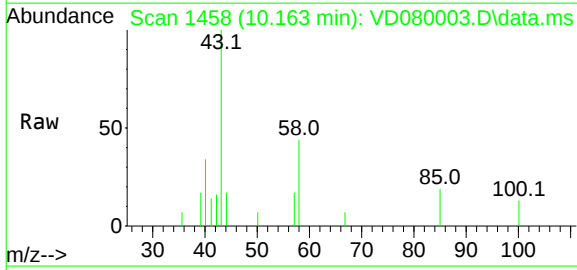
ClientSampleId :

MDL-SOIL-QT4-2024-08

Tgt Ion: 43	Resp: 4986
Ion Ratio	Lower Upper
43 100	
58 39.9	31.5 47.3
100 13.6	12.7 19.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#42

Toluene

Concen: 1.310 ug/L

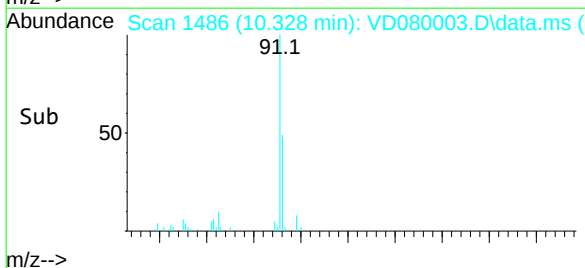
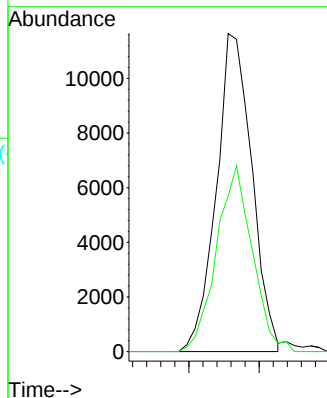
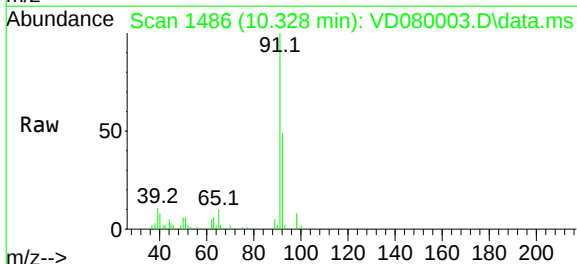
RT: 10.328 min Scan# 1486

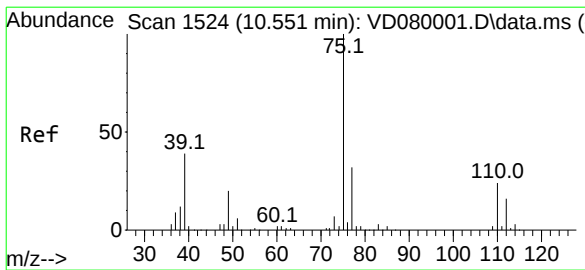
Delta R.T. -0.006 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

Tgt Ion: 91	Resp: 20477
Ion Ratio	Lower Upper
91 100	
92 48.8	39.4 73.2





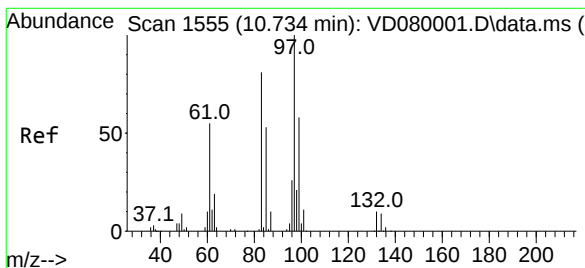
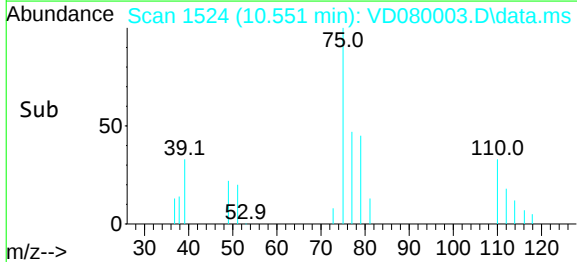
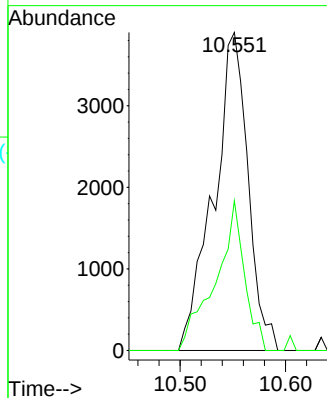
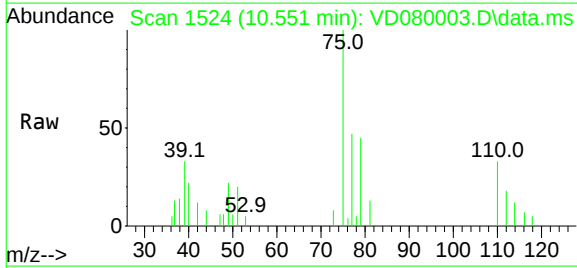
#44
trans-1,3-Dichloropropene
Concen: 1.777 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion: 75 Resp: 8839
Ion Ratio Lower Upper
75 100
77 47.0 21.0 39.0#

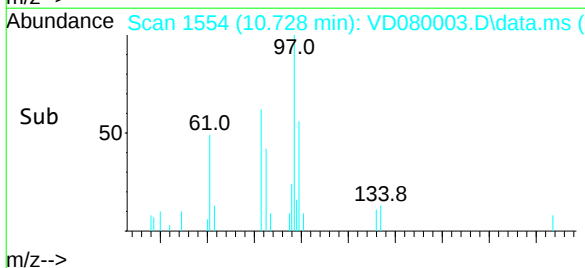
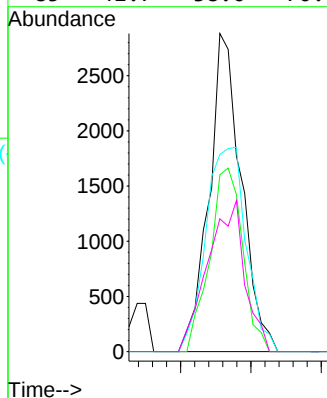
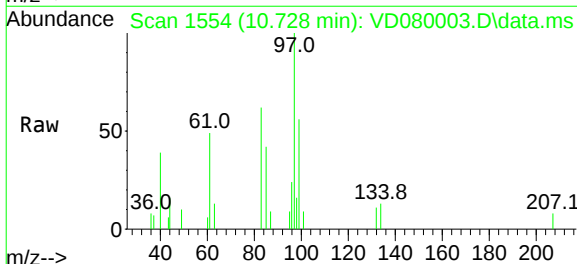
Manual Integrations
APPROVED

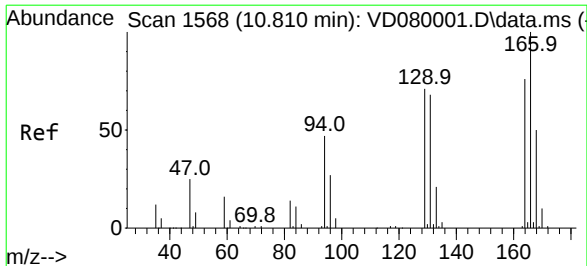
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#45
1,1,2-Trichloroethane
Concen: 1.510 ug/L
RT: 10.728 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Tgt Ion: 97 Resp: 4600
Ion Ratio Lower Upper
97 100
99 55.6 45.2 84.0
83 62.0 61.5 114.3
85 41.7 38.0 70.6





#46

Tetrachloroethene

Concen: 1.414 ug/L

RT: 10.804 min Scan# 15

Delta R.T. 0.000 min

Lab File: VD080003.D

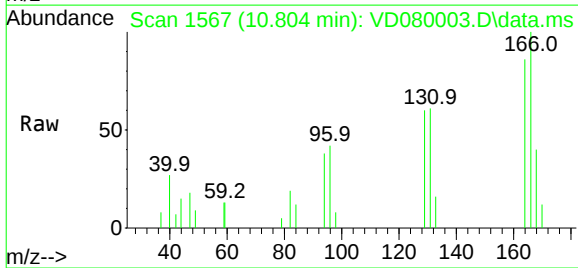
Acq: 13 Nov 2024 16:33

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08



Tgt Ion:164 Resp: 4618

Ion Ratio Lower Upper

164 100

129 69.9 69.1 128.3

131 71.0 65.4 121.4

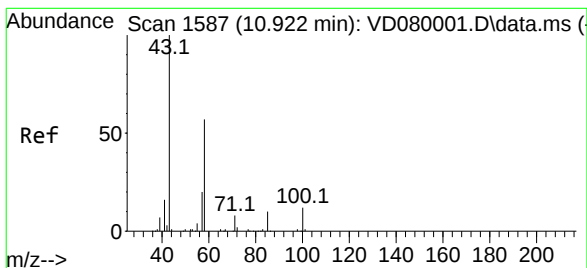
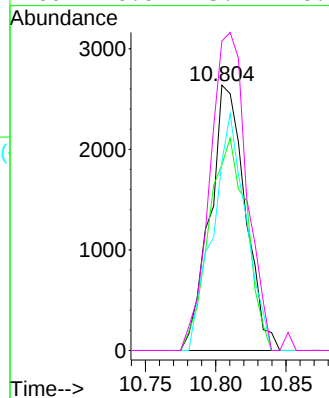
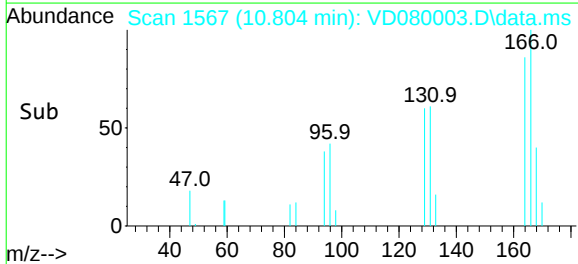
166 116.6 95.9 178.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/14/2024

Supervised By :Semsettin Yesilyurt 11/14/2024



#48

2-Hexanone

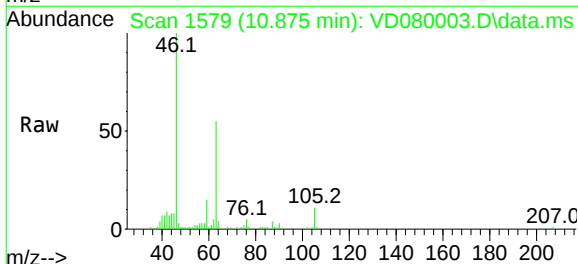
Concen: 5.843 ug/L m

RT: 10.875 min Scan# 1579

Delta R.T. -0.047 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33



Tgt Ion: 43 Resp: 8896

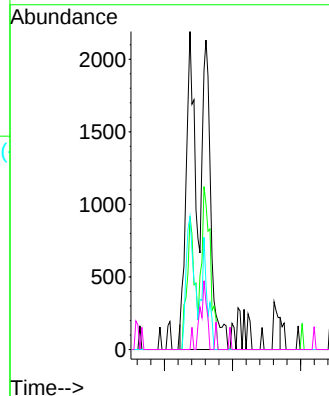
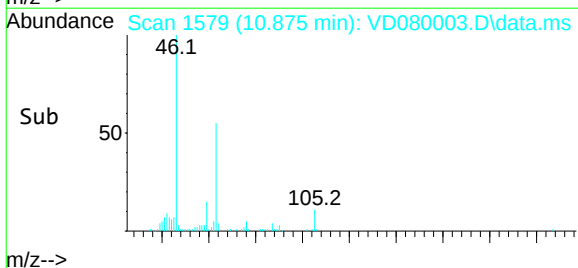
Ion Ratio Lower Upper

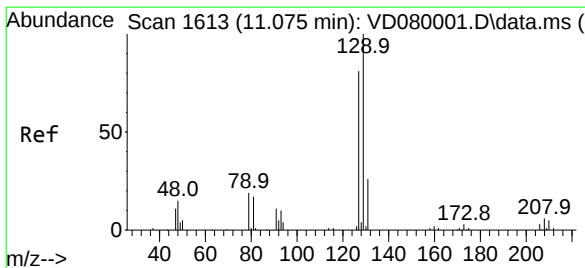
43 100

58 20.5 45.9 68.9#

57 5.0 15.2 22.8#

100 4.0 10.4 15.6#





#49

Dibromochloromethane

Concen: 1.424 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. -0.006 min

Lab File: VD080003.D

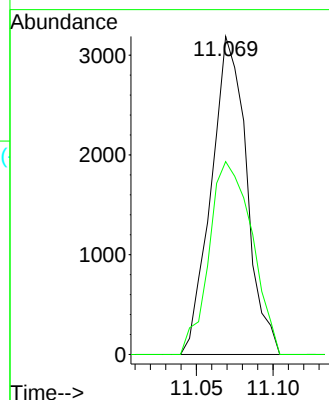
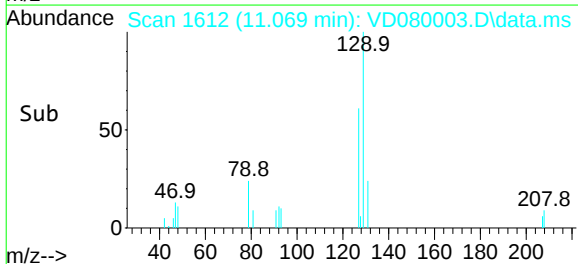
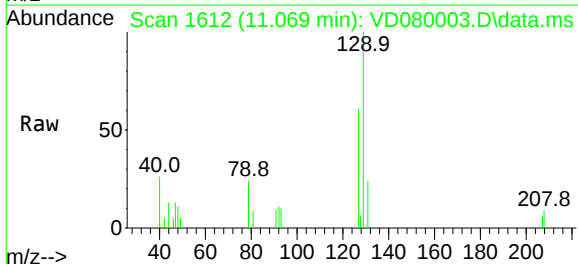
Acq: 13 Nov 2024 16:33

Tgt Ion:129 Resp: 5109

Ion Ratio Lower Upper

129 100

127 66.7 54.9 102.1



Instrument :

MSVOA_D

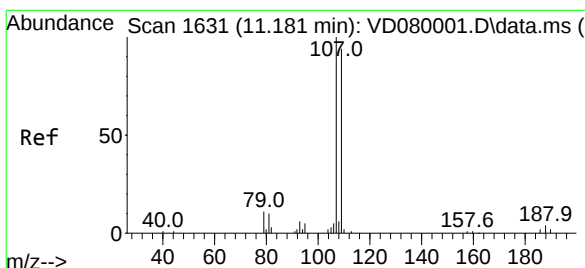
ClientSampleId :

MDL-SOIL-QT4-2024-08

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#50

1,2-Dibromoethane

Concen: 1.348 ug/L

RT: 11.175 min Scan# 1630

Delta R.T. 0.000 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

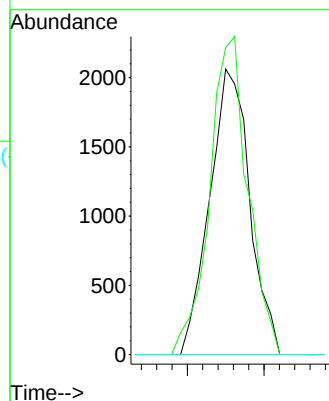
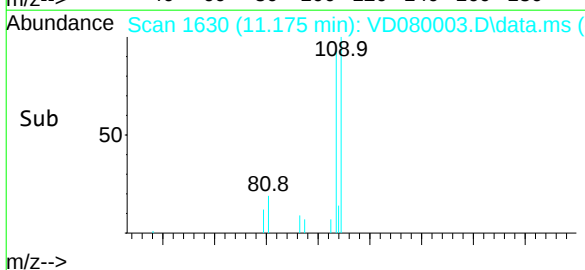
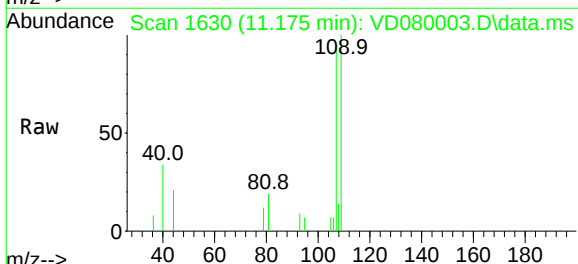
Tgt Ion:107 Resp: 3746

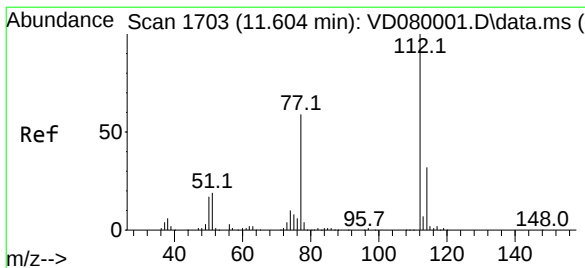
Ion Ratio Lower Upper

107 100

109 107.5 66.6 123.8

188 0.0 2.8 4.2#





#51

Chlorobenzene

Concen: 1.344 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

Instrument :

MSVOA_D

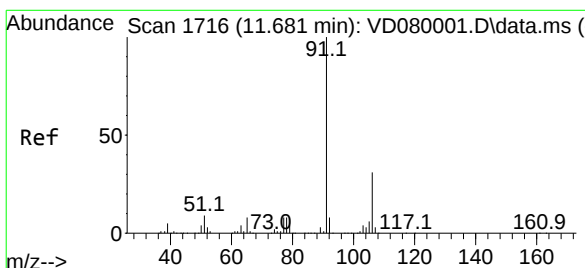
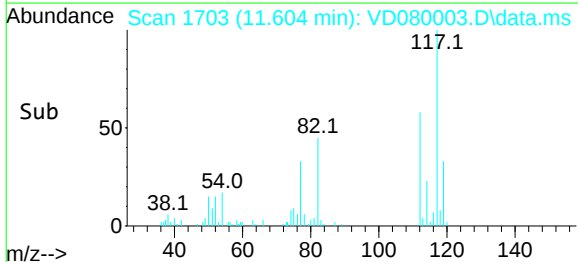
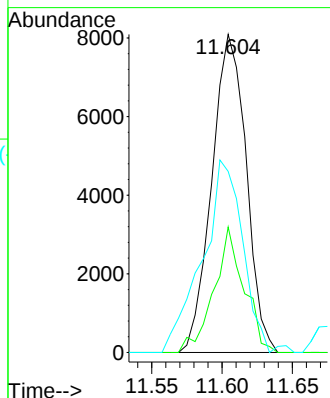
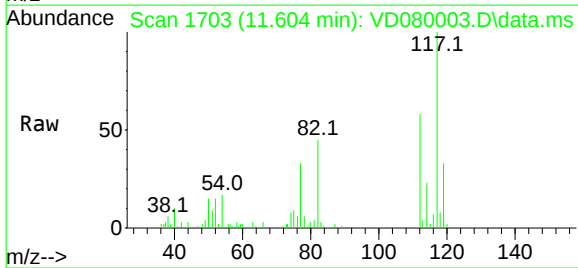
ClientSampleId :

MDL-SOIL-QT4-2024-08

Tgt	Ion:	112	Resp:	13781
Ion	Ratio	Lower	Upper	
112	100			
114	39.5	21.8	40.4	
77	56.9	49.1	73.7	

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#52

Ethylbenzene

Concen: 1.232 ug/L

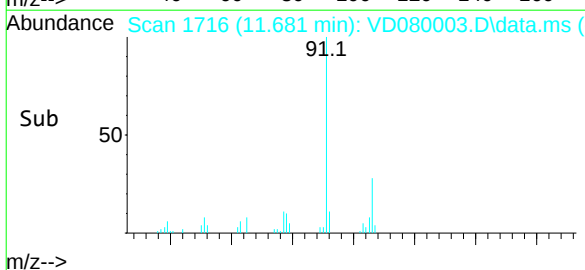
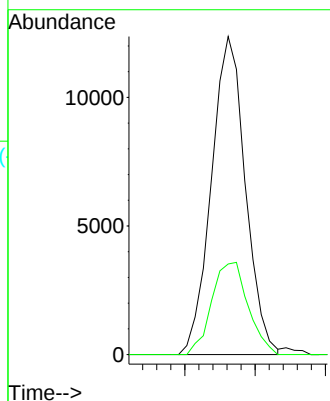
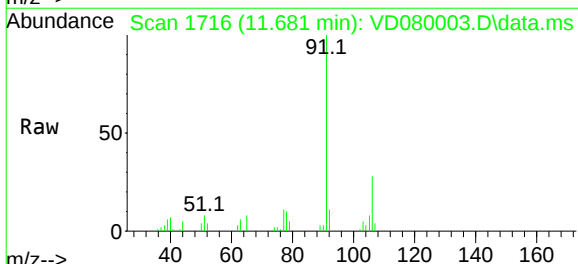
RT: 11.681 min Scan# 1716

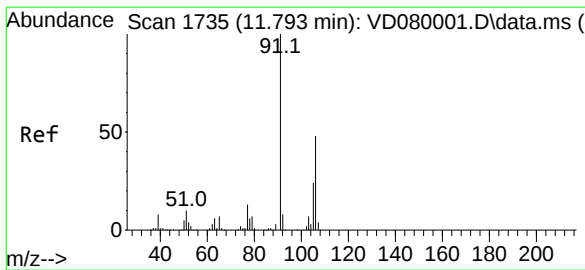
Delta R.T. 0.000 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

Tgt	Ion:	91	Resp:	20795
Ion	Ratio	Lower	Upper	
91	100			
106	28.5	21.2	39.4	





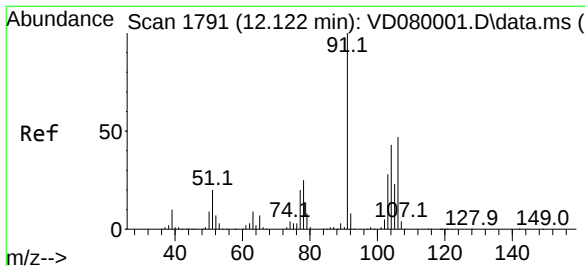
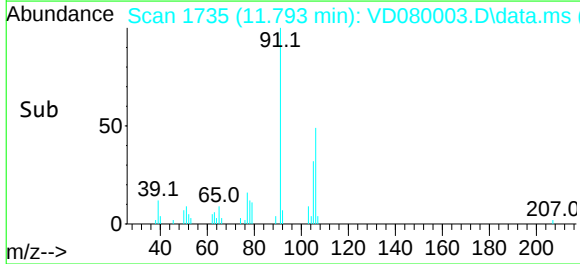
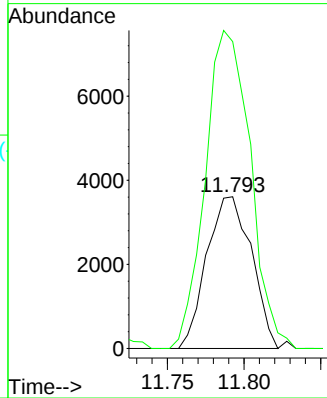
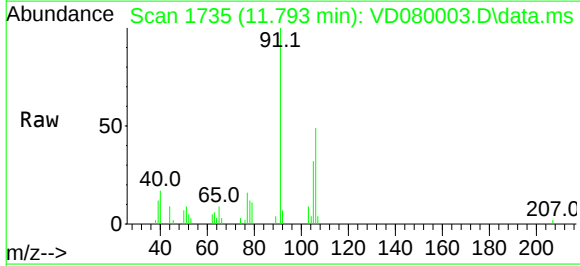
#53
m,p-Xylene
Concen: 1.156 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion:106 Resp: 7316
Ion Ratio Lower Upper
106 100
91 202.2 149.3 277.3

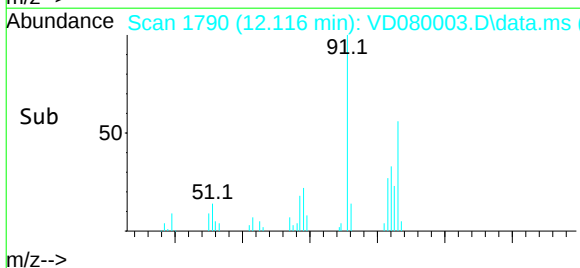
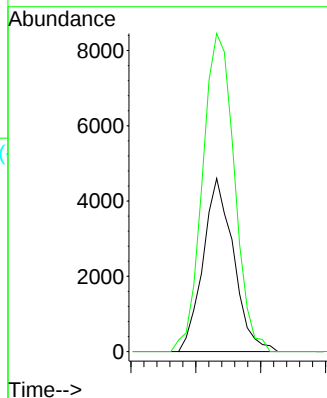
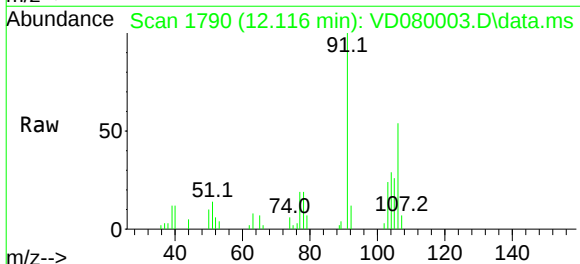
Manual Integrations
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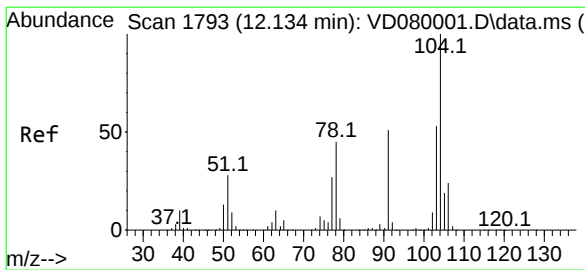
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#54
o-Xylene
Concen: 1.250 ug/L
RT: 12.116 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Tgt Ion:106 Resp: 7538
Ion Ratio Lower Upper
106 100
91 183.7 148.0 274.8





#55

Styrene

Concen: 1.074 ug/L

RT: 12.128 min Scan# 1792

Delta R.T. -0.006 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08

Tgt Ion:104 Resp: 11654

Ion Ratio Lower Upper

104 100

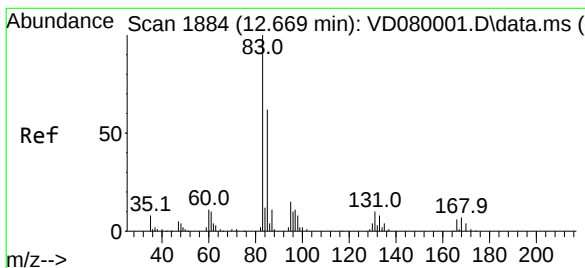
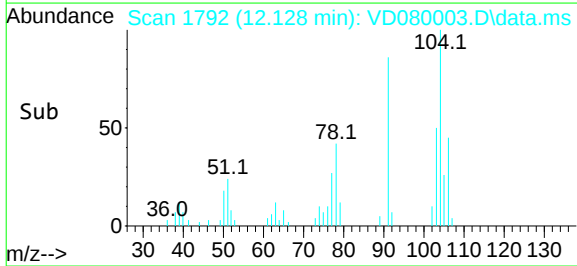
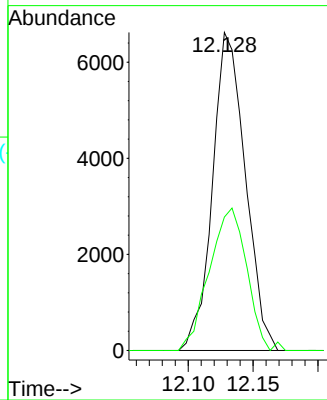
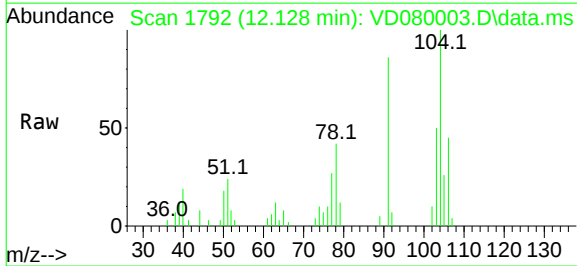
78 41.9 31.6 58.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/14/2024

Supervised By :Semsettin Yesilyurt 11/14/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 1.707 ug/L

RT: 12.663 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

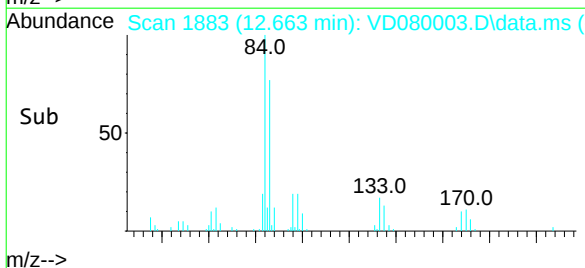
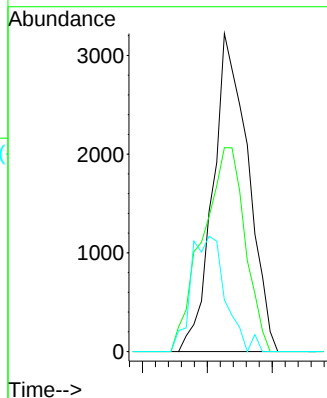
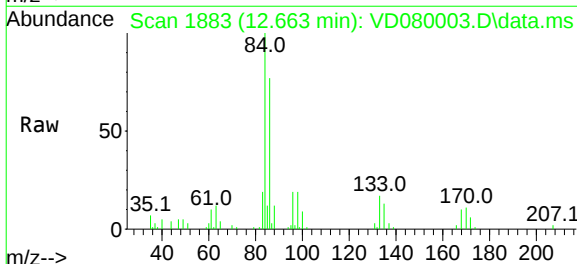
Tgt Ion: 83 Resp: 6040

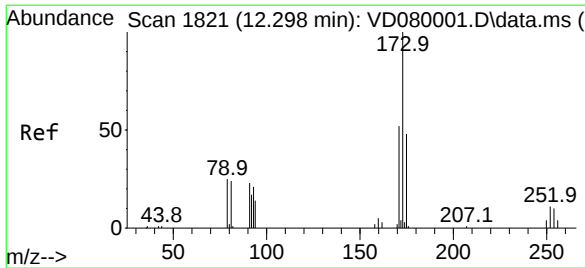
Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.4

131 16.2 8.6 13.0#





#59

Bromoform

Concen: 1.544 ug/L

RT: 12.293 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08

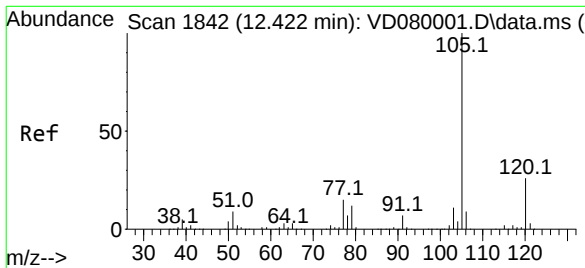
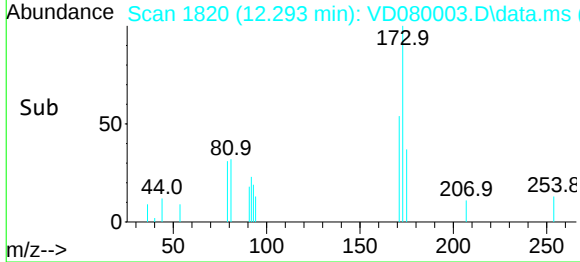
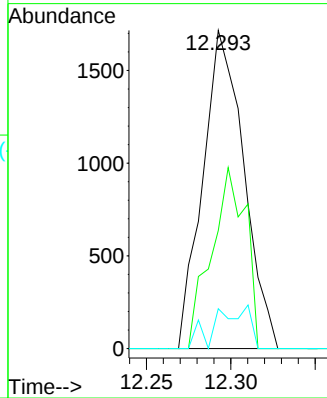
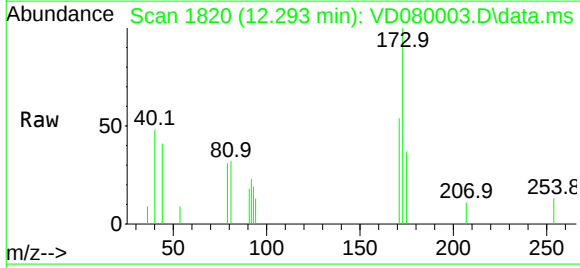
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.0	58.6
254	4.6	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/14/2024

Supervised By :Semsettin Yesilyurt 11/14/2024



#60

Isopropylbenzene

Concen: 1.252 ug/L

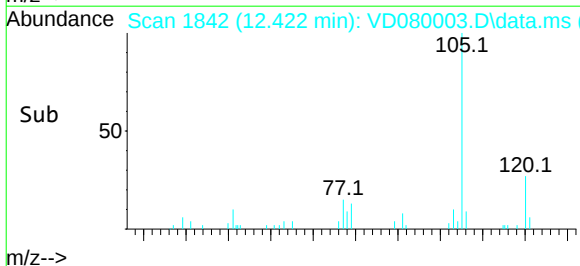
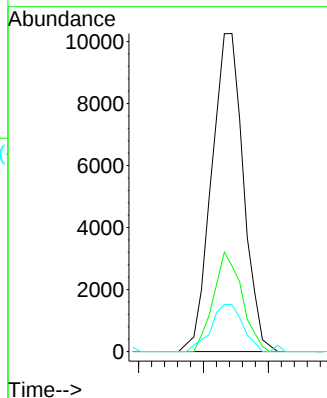
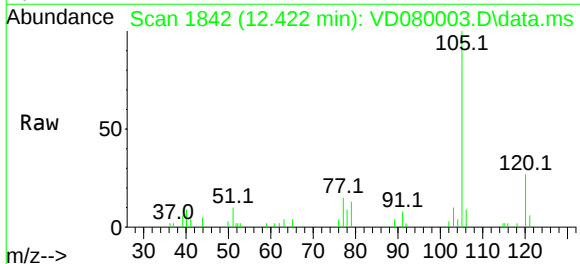
RT: 12.422 min Scan# 1842

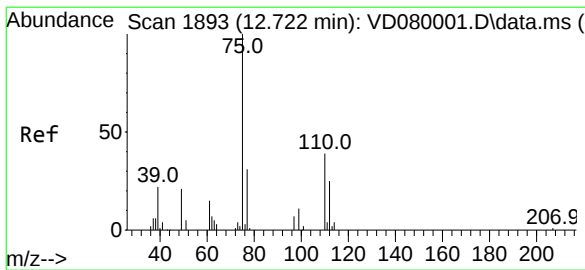
Delta R.T. 0.006 min

Lab File: VD080003.D

Acq: 13 Nov 2024 16:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	21.3	31.9
77	14.9	12.6	18.8





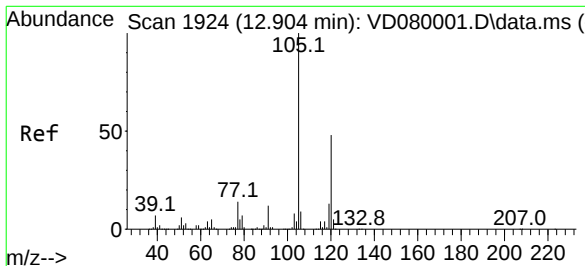
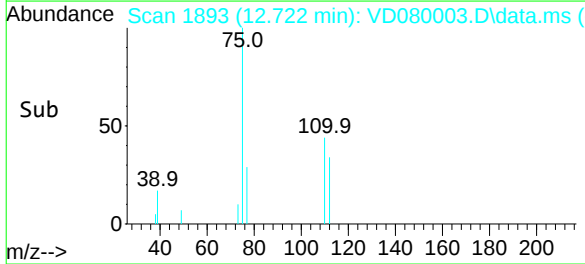
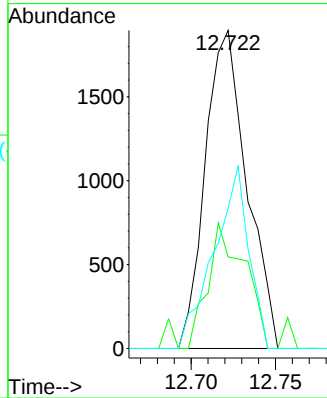
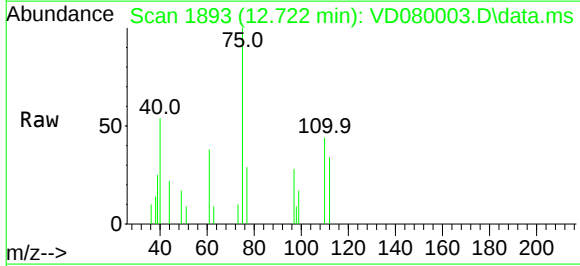
#61
1,2,3-Trichloropropane
Concen: 1.633 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion: 75 Resp: 3242
Ion Ratio Lower Upper
75 100
77 26.4 26.3 39.5
110 48.2 30.2 45.2#

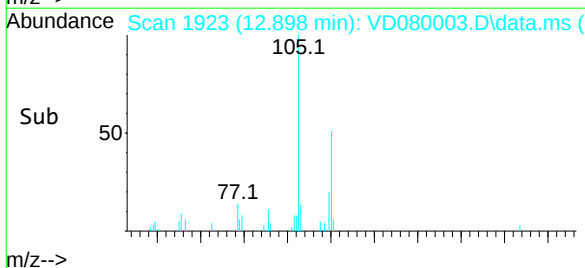
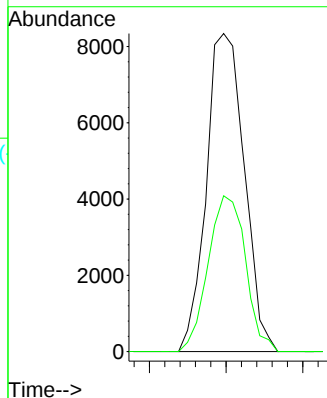
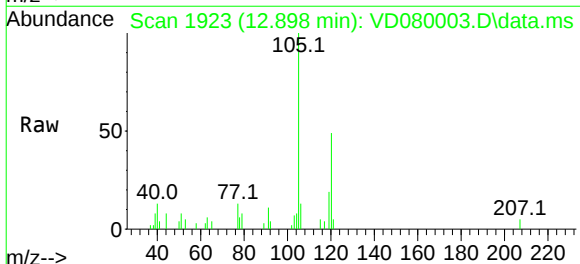
Manual Integrations
APPROVED

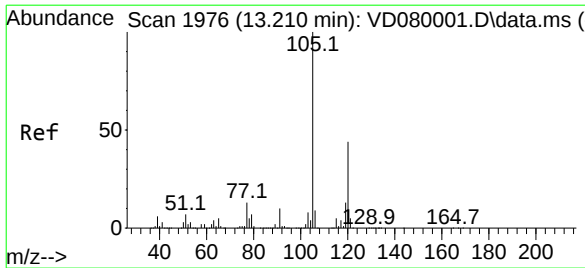
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#62
1,3,5-Trimethylbenzene
Concen: 1.310 ug/L
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Tgt Ion:105 Resp: 14327
Ion Ratio Lower Upper
105 100
120 48.3 38.8 58.2





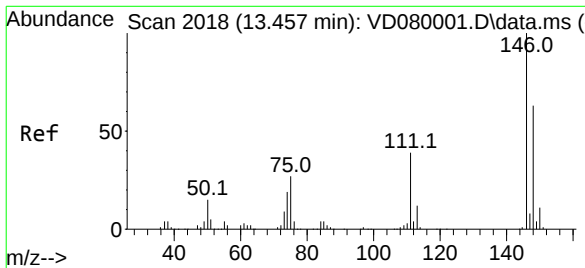
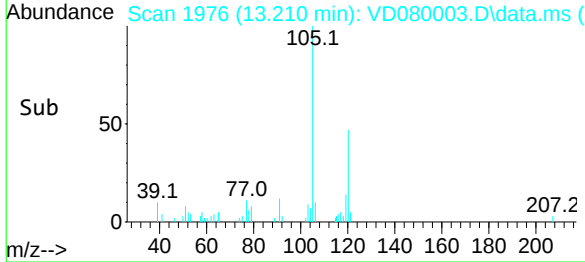
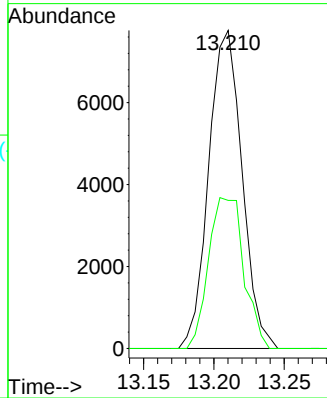
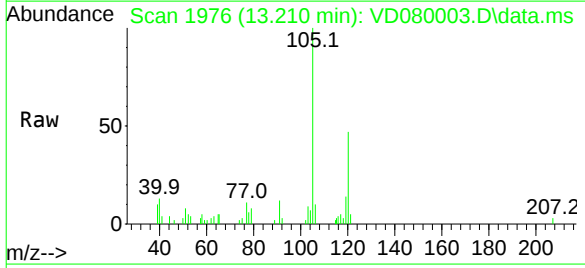
#63
1,2,4-Trimethylbenzene
Concen: 1.175 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion:105 Resp: 12796
Ion Ratio Lower Upper
105 100
120 50.1 36.8 55.2

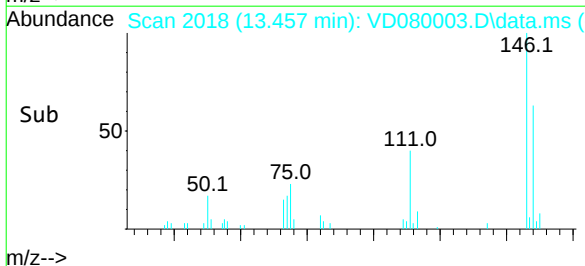
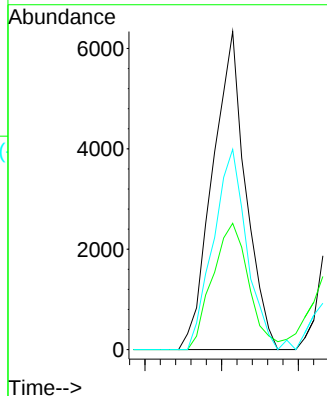
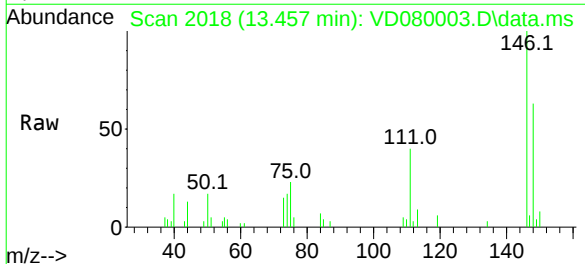
Manual Integrations
APPROVED

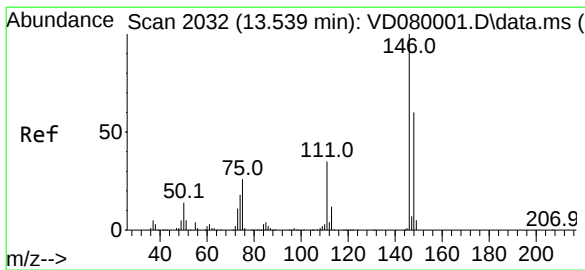
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#64
1,3-Dichlorobenzene
Concen: 1.391 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

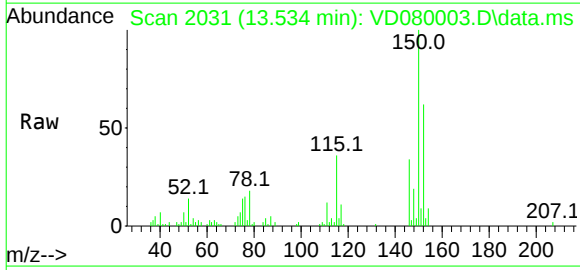
Tgt Ion:146 Resp: 9502
Ion Ratio Lower Upper
146 100
111 39.7 28.2 52.4
148 63.0 44.4 82.4





#65
1,4-Dichlorobenzene
Concen: 1.512 ug/L
RT: 13.534 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

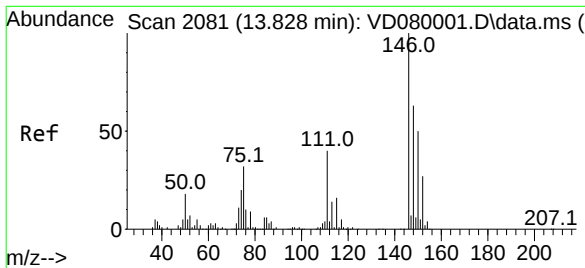
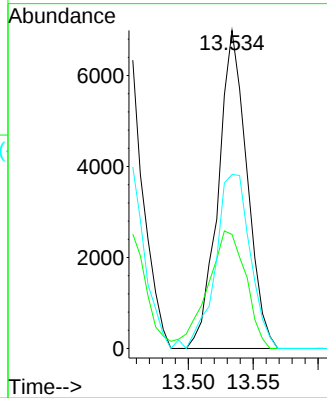
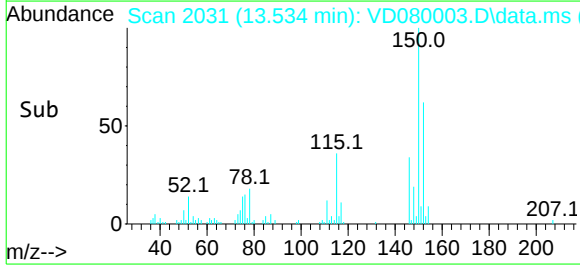
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08



Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	26.2	48.8
148	54.7	46.1	85.5

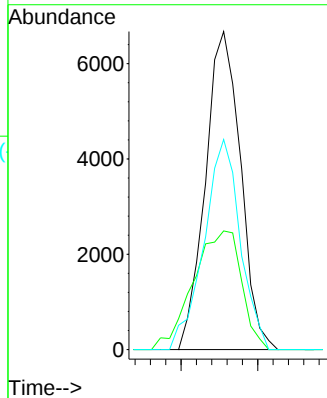
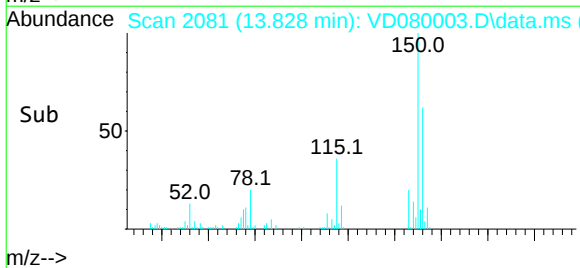
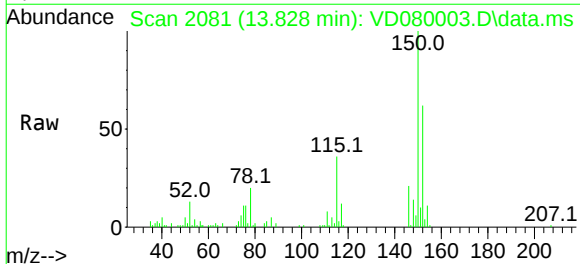
Manual Integrations
APPROVED

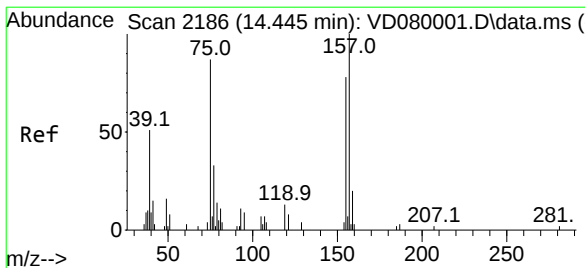
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#67
1,2-Dichlorobenzene
Concen: 1.684 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

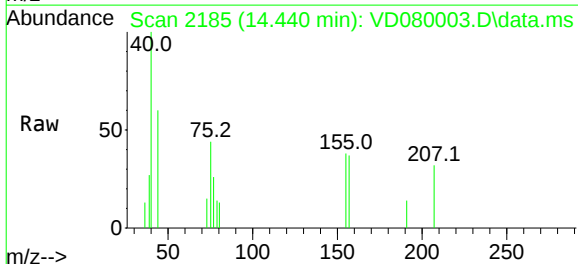
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	33.0	49.6
148	66.1	51.0	76.4





#68
1,2-Dibromo-3-chloropropane
Concen: 1.568 ug/L m
RT: 14.440 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

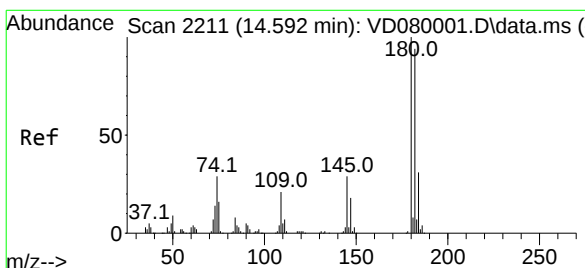
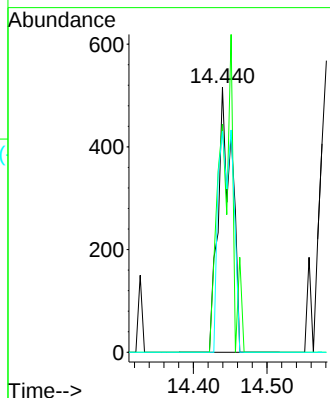
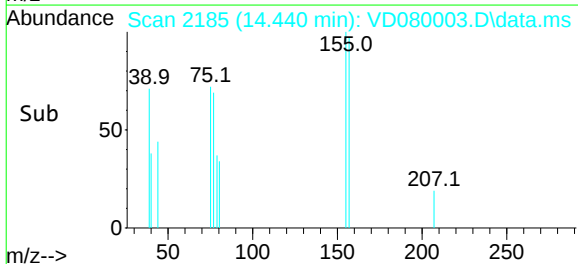
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08



Tgt Ion: 75 Resp: 678
Ion Ratio Lower Upper
75 100
155 86.0 68.7 103.1
157 83.3 79.4 119.2

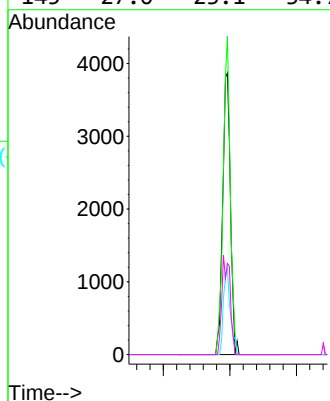
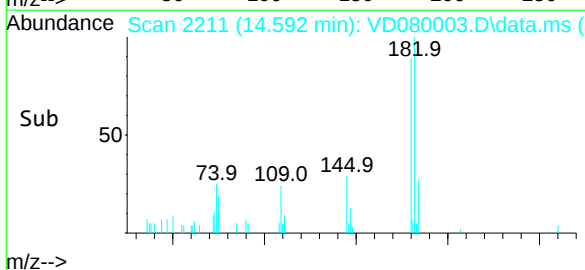
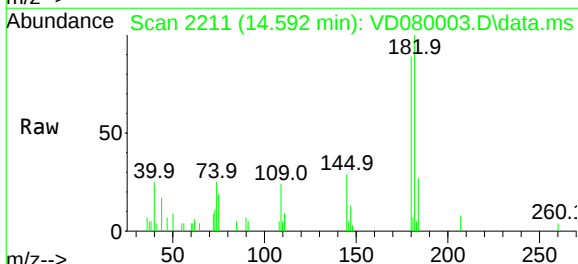
Manual Integrations
APPROVED

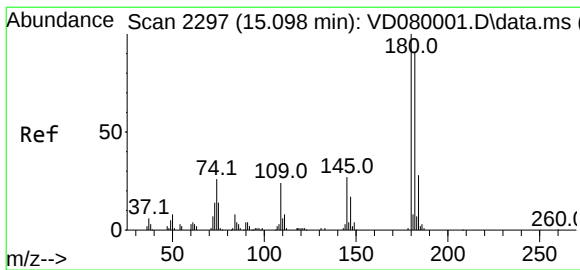
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024



#69
1,3,5-Trichlorobenzene
Concen: 1.350 ug/L m
RT: 14.592 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

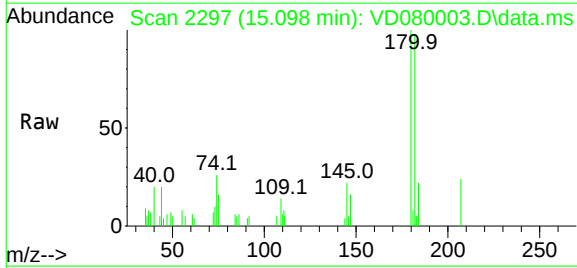
Tgt Ion:180 Resp: 6230
Ion Ratio Lower Upper
180 100
182 85.5 75.8 113.6
184 26.1 24.6 36.8
145 27.0 23.1 34.7





#70
1,2,4-trichlorobenzene
Concen: 1.420 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

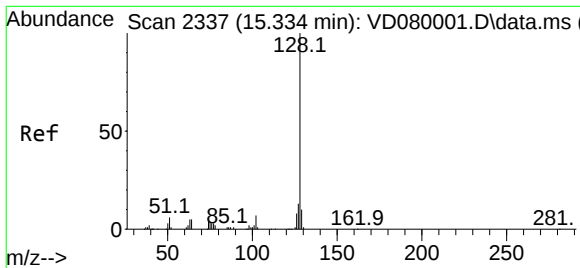
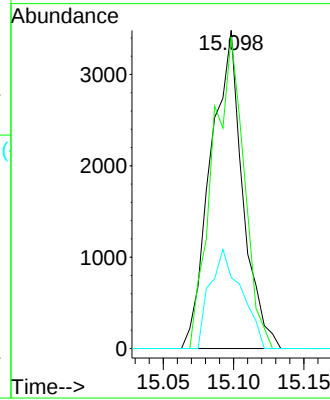
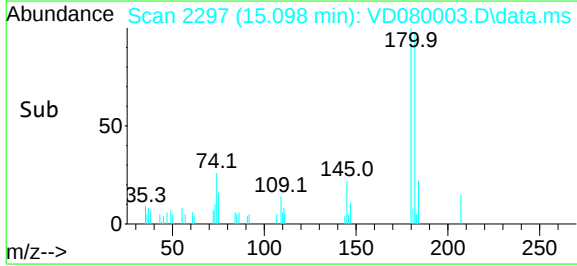
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08



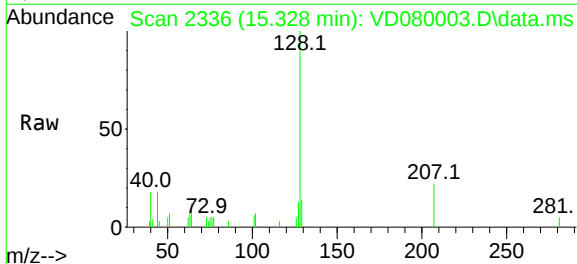
Tgt Ion:180 Resp: 5522
Ion Ratio Lower Upper
180 100
182 96.5 75.9 113.9
145 30.5 23.0 34.4

Manual Integrations
APPROVED

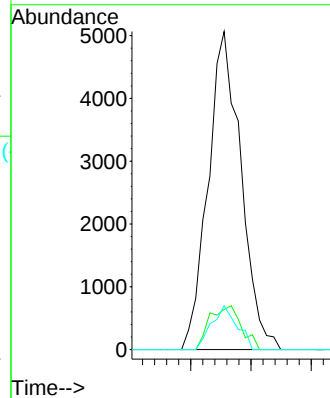
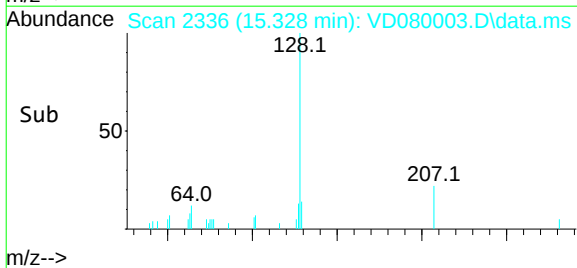
Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024

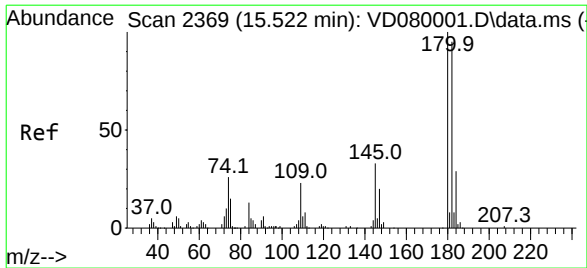


#71
Naphthalene
Concen: 1.444 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33



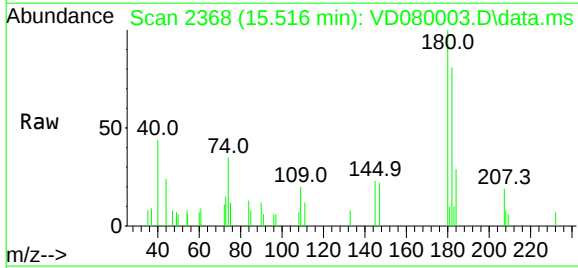
Tgt Ion:128 Resp: 9594
Ion Ratio Lower Upper
128 100
127 8.3 11.0 16.6#
129 10.7 8.8 13.2





#72
1,2,3-Trichlorobenzene
Concen: 1.454 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. 0.000 min
Lab File: VD080003.D
Acq: 13 Nov 2024 16:33

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2024-08



Tgt Ion:	180	Resp:	4993
Ion Ratio	Lower	Upper	
180	100		
182	91.7	75.8	113.8
145	15.5	24.9	37.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/14/2024
Supervised By :Semsettin Yesilyurt 11/14/2024

