Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
Data File : VU054804.D
Acq On : 18 Jul 2023 13:16
Operator : MD/SY
Sample : 03573-06
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

Manual Integrations APPROVED

Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 04:04:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 19 02:47:32 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	236946	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	228281	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	118593	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	80036	43.703	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.400%			
7) Chloroethane-d5	1.885	69	78502	42.851	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.700%			
11) 1,1-Dichloroethene-d2	2.557	63	86125	32.785	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 65.560%			
21) 2-Butanone-d5	4.618	46	119799	101.771	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.770%			
24) Chloroform-d	5.058	84	129742	45.511	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.020%			
26) 1,2-Dichloroethane-d4	5.695	65	84034	49.226	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.460%			
32) Benzene-d6	5.721	84	264007	48.551	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.100%			
36) 1,2-Dichloropropane-d6	6.685	67	88677	48.431	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.860%			
41) Toluene-d8	7.894	98	252998	48.826	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.660%			
43) trans-1,3-Dichloroprop...	8.177	79	42543	45.420	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.840%			
47) 2-Hexanone-d5	8.631	63	81101	93.702	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 93.700%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	153450	45.627	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.260%			
66) 1,2-Dichlorobenzene-d4	12.190	152	99196	48.676	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	4512	2.520	ug/L	97
3) Chloromethane	1.522	50	7095	3.474	ug/L	97
5) Vinyl chloride	1.602	62	6698	2.523	ug/L #	76
6) Bromomethane	1.827	94	6058	3.749	ug/L	88
8) Chloroethane	1.911	64	4750m	2.586	ug/L	
9) Trichlorofluoromethane	2.123	101	10861	2.556	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4339	2.768	ug/L	90
12) 1,1-Dichloroethene	2.563	96	4401m	2.985	ug/L	
13) Acetone	2.624	43	5238m	5.290	ug/L	
14) Carbon disulfide	2.785	76	11206	2.603	ug/L	99
15) Methyl Acetate	2.949	43	5717	3.462	ug/L #	71
17) trans-1,2-Dichloroethene	3.351	96	4009	2.627	ug/L	78
18) Methyl tert-butyl Ether	3.364	73	14311	2.710	ug/L #	90
19) 1,1-Dichloroethane	3.859	63	7773	2.669	ug/L	88
20) cis-1,2-Dichloroethene	4.660	96	4663	2.571	ug/L	93
22) 2-Butanone	4.714	43	7407m	5.419	ug/L	
23) Bromochloromethane	4.968	128	2263	2.453	ug/L	86
25) Chloroform	5.081	83	8742	2.863	ug/L	95
27) 1,2-Dichloroethane	5.791	62	6164	2.658	ug/L #	91

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Supervised By :Mahesh Dadoda 07/19/2023

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Quant Title : VOC Analysis
QLast Update : Wed Jul 19 02:47:32 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Cyclohexane	5.386	56	6496	2.588	ug/L	#	59
30) 1,1,1-Trichloroethane	5.309	97	7087	2.797	ug/L		91
31) Carbon tetrachloride	5.518	117	5837	2.668	ug/L	#	60
33) Benzene	5.772	78	17175	2.626	ug/L		100
34) Trichloroethene	6.537	95	4656	2.797	ug/L		77
35) Methylcyclohexane	6.759	83	8028	2.951	ug/L	#	91
37) 1,2-Dichloropropane	6.785	63	4643	2.581	ug/L	#	88
38) Bromodichloromethane	7.103	83	6208	2.690	ug/L	#	96
39) cis-1,3-Dichloropropene	7.605	75	7836	2.641	ug/L	#	80
40) 4-Methyl-2-pentanone	7.795	43	13878	5.039	ug/L		98
42) Toluene	7.968	91	19330	2.641	ug/L		97
44) trans-1,3-Dichloropropene	8.209	75	7333	2.631	ug/L		99
45) 1,1,2-Trichloroethane	8.399	97	4820	2.628	ug/L		81
46) Tetrachloroethene	8.550	164	3443	2.697	ug/L		89
48) 2-Hexanone	8.682	43	16853	7.386	ug/L	#	98
49) Dibromochloromethane	8.807	129	4426	2.343	ug/L		98
50) 1,2-Dibromoethane	8.920	107	5292	2.681	ug/L	#	82
51) Chlorobenzene	9.444	112	13295	2.792	ug/L		97
52) Ethylbenzene	9.566	91	20361	2.406	ug/L		97
53) m,p-Xylene	9.692	106	9119	2.831	ug/L		91
54) o-Xylene	10.097	106	7239	2.212	ug/L		94
55) Styrene	10.113	104	12641	2.218	ug/L		99
57) 1,1,2,2-Tetrachloroethane	10.778	83	9449	2.610	ug/L		92
59) Bromoform	10.290	173	3078	2.075	ug/L	#	77
60) 1,2,3-Trichloropropane	10.820	75	6314	2.729	ug/L		91
61) Isopropylbenzene	10.483	105	21365	2.727	ug/L		98
62) 1,3,5-Trimethylbenzene	11.087	105	16002	2.480	ug/L		97
63) 1,2,4-Trimethylbenzene	11.466	105	16592	2.594	ug/L		98
64) 1,3-Dichlorobenzene	11.743	146	8020	2.207	ug/L		90
65) 1,4-Dichlorobenzene	11.833	146	9924	2.711	ug/L		92
67) 1,2-Dichlorobenzene	12.209	146	9240	2.531	ug/L	#	89
68) 1,2-Dibromo-3-chloropr...	13.000	75	1403	2.268	ug/L	#	1
69) 1,3,5-Trichlorobenzene	13.219	180	6050	2.484	ug/L	#	89
70) 1,2,4-trichlorobenzene	13.839	180	5499	2.615	ug/L	#	85
71) Naphthalene	14.087	128	18974	2.749	ug/L	#	88
72) 1,2,3-Trichlorobenzene	14.325	180	5487	2.679	ug/L	#	94

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

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Instrument :
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MDL-MED-SOIL-QT3-2023-06

Manual Integrations APPROVED

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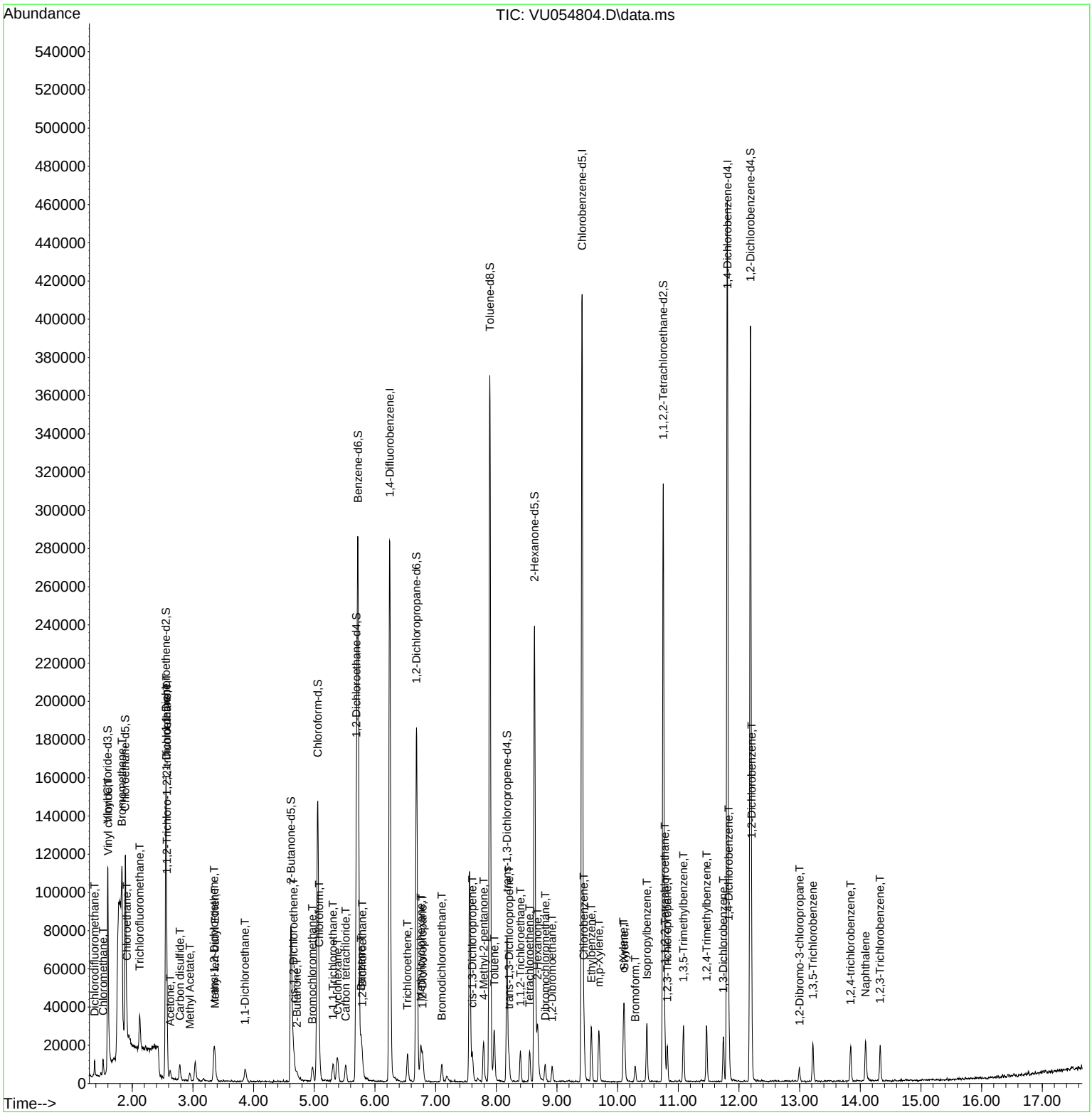
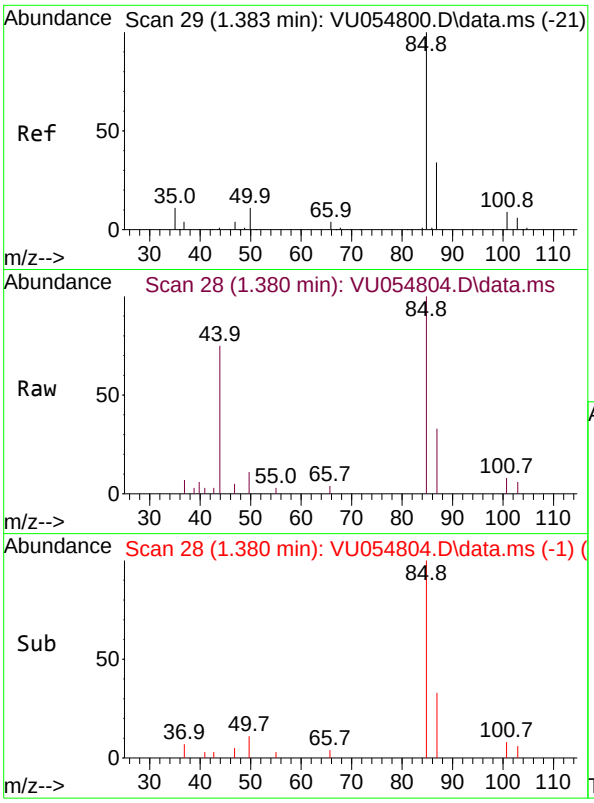
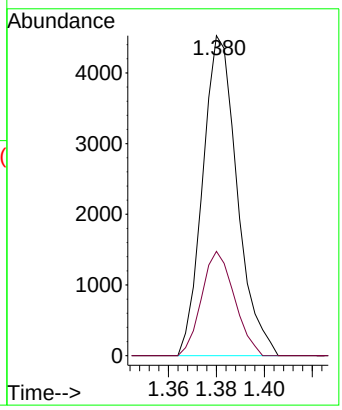




#2
Dichlorodifluoromethane
Concen: 2.520 ug/L
RT: 1.380 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 85 Resp: 451

Ion	Ratio	Lower	Upper
85	100		
87	31.0	26.2	39.2



Instrument :
MSVOA_U
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MDL-MED-SOIL-QT3-2023-06

Manual Integrations
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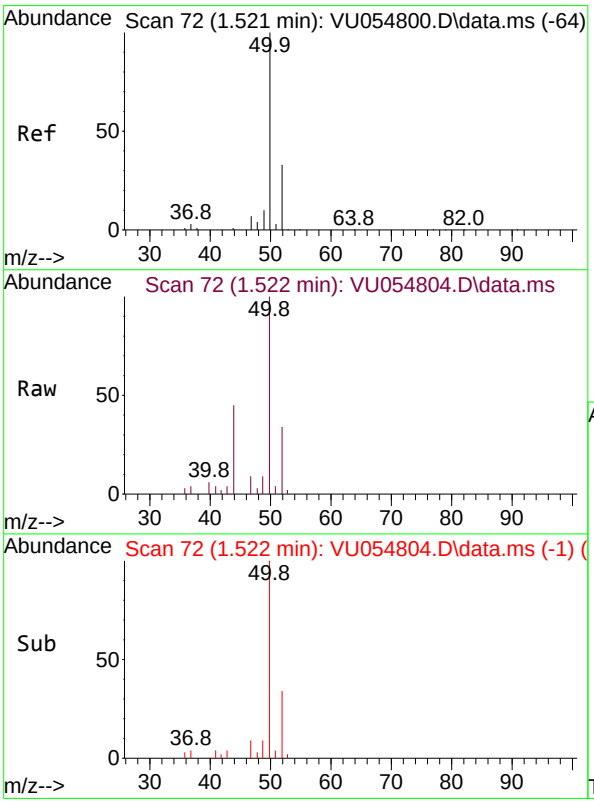
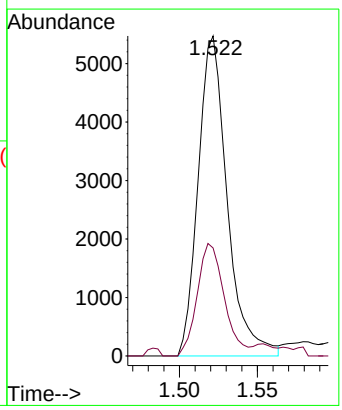
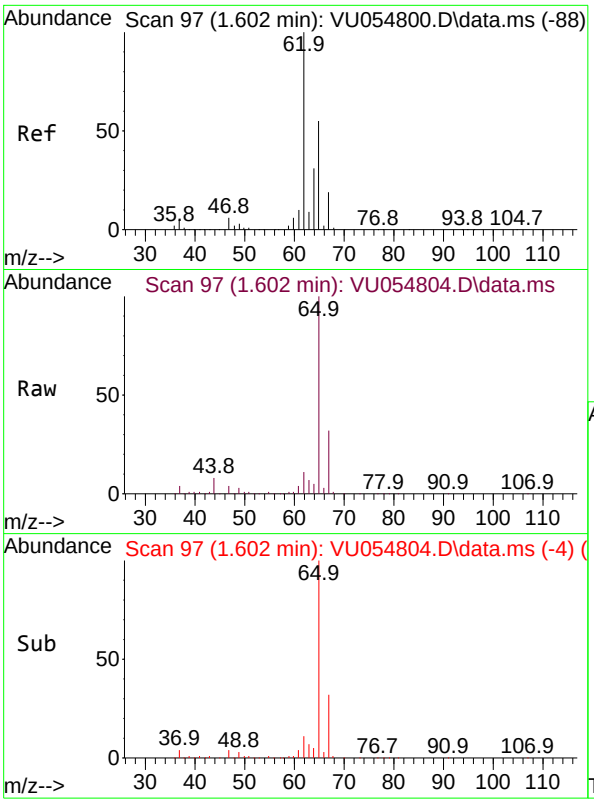


#3
Chloromethane
Concen: 3.474 ug/L
RT: 1.522 min Scan# 72
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 50 Resp: 7095

Ion	Ratio	Lower	Upper
50	100		
52	33.8	22.5	41.9





#5
Vinyl chloride
Concen: 2.523 ug/L
RT: 1.602 min Scan# 9
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 62 Resp: 669

Ion	Ratio	Lower	Upper
62	100		
64	46.0	22.9	42.5

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

Manual Integrations
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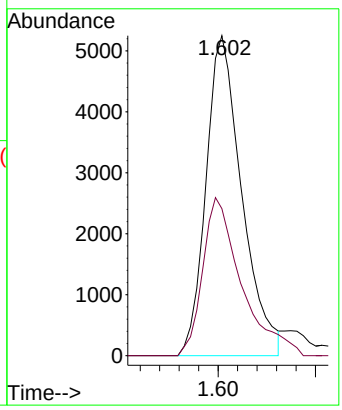
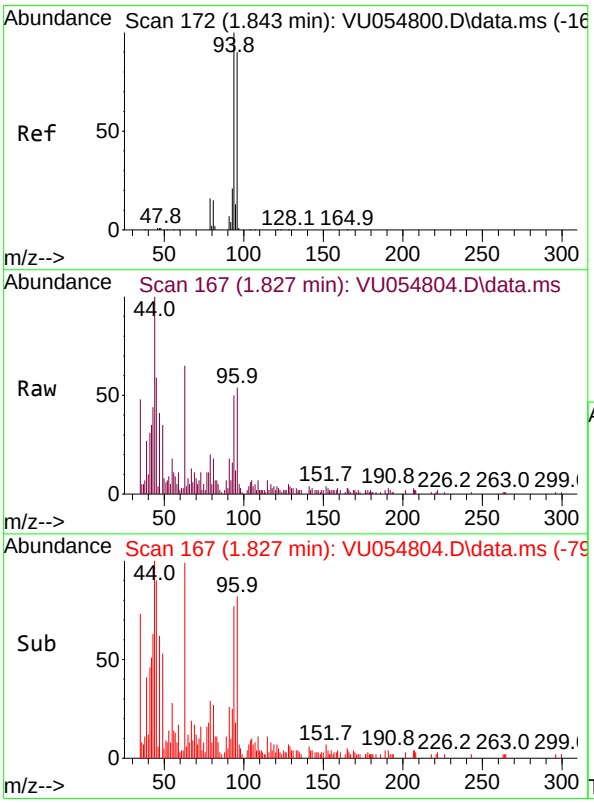
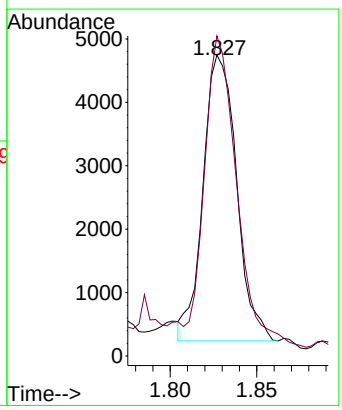


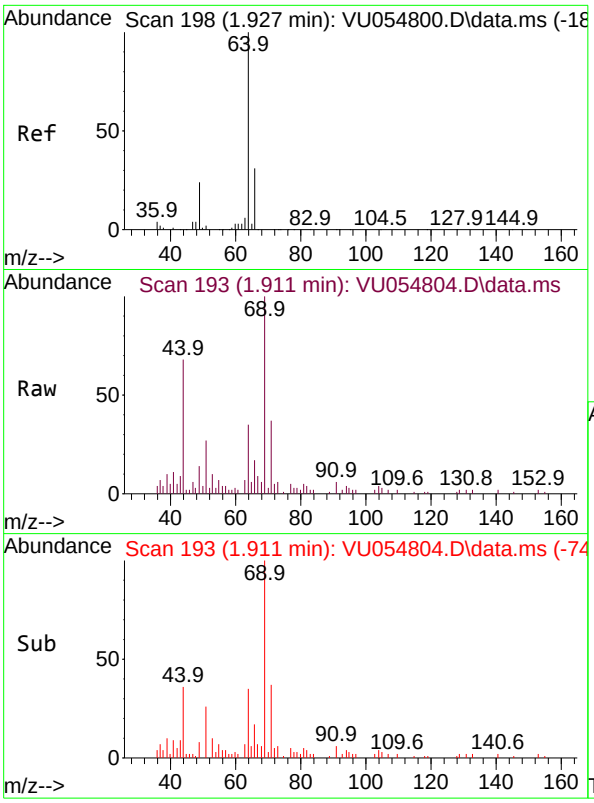


#6
Bromomethane
Concen: 3.749 ug/L
RT: 1.827 min Scan# 167
Delta R.T. -0.016 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 94 Resp: 6058

Ion	Ratio	Lower	Upper
94	100		
96	106.3	66.1	122.8





#8
Chloroethane
Concen: 2.586 ug/L m
RT: 1.911 min Scan# 1
Delta R.T. -0.016 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 64 Resp: 475

Ion	Ratio	Lower	Upper
64	100		
66	25.4	22.8	42.4

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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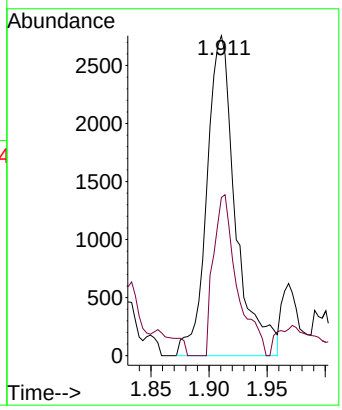
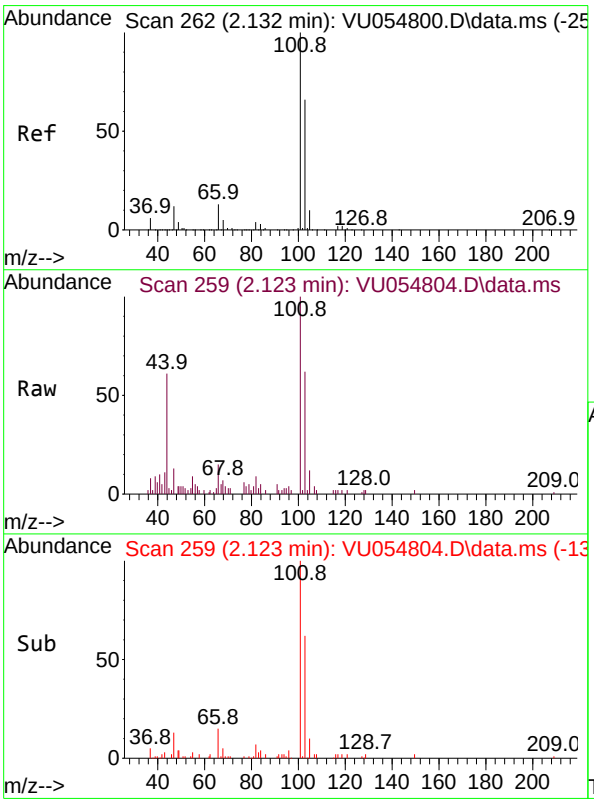
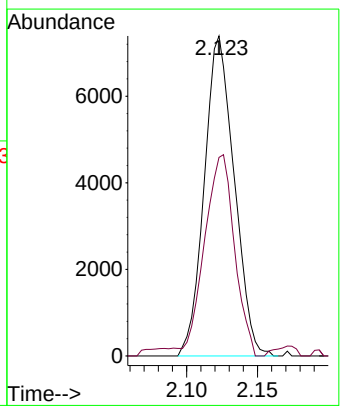


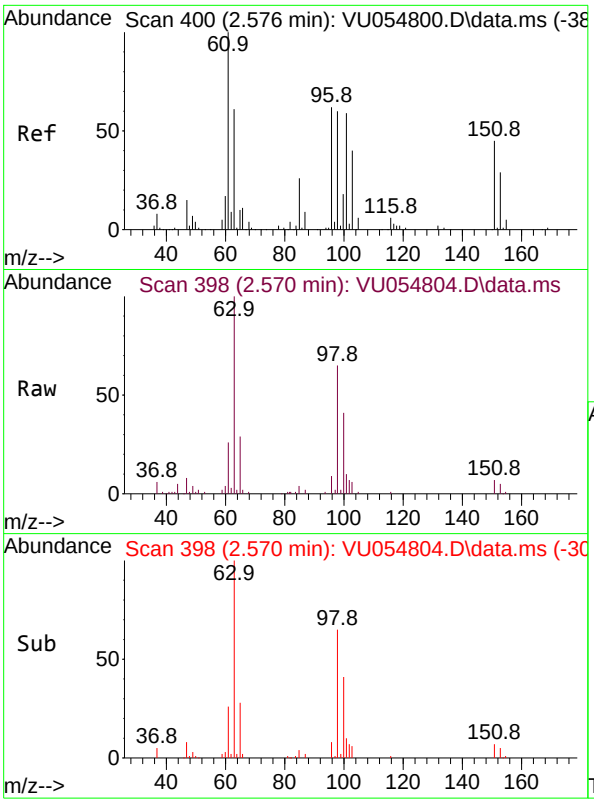


#9
Trichlorofluoromethane
Concen: 2.556 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.010 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:101 Resp: 10861

Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.2





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.768 ug/L
RT: 2.570 min Scan# 3
Delta R.T. -0.006 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:101 Resp: 433

Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.3	52.9
151	60.6	58.2	87.4

Instrument :
MSVOA_U
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MDL-MED-SOIL-QT3-2023-06

Manual Integrations
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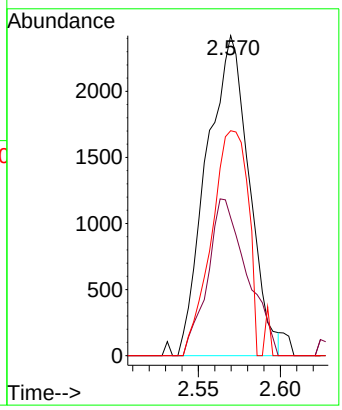
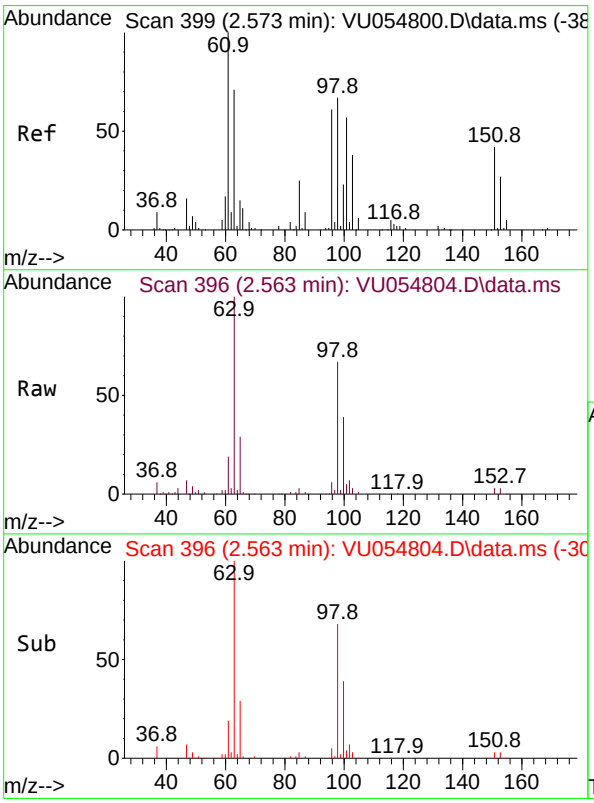
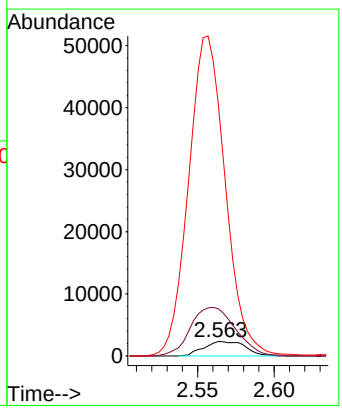


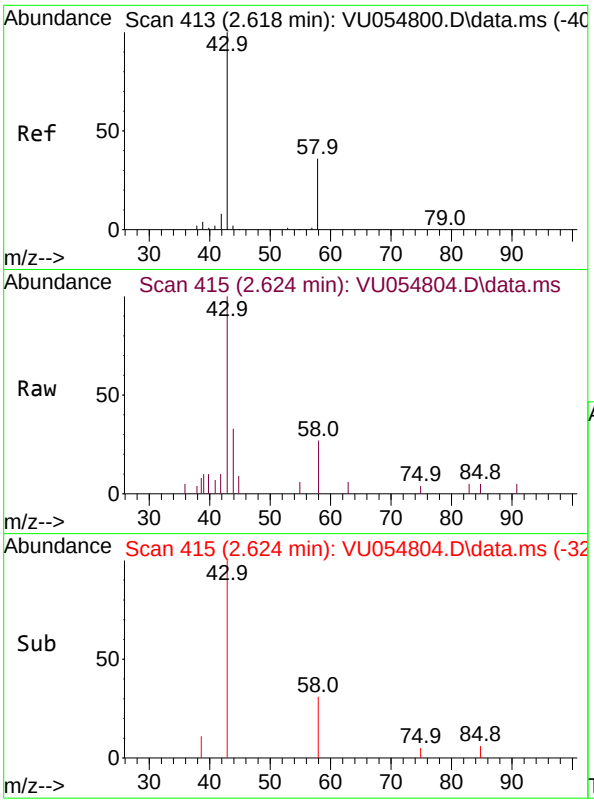


#12
1,1-Dichloroethene
Concen: 2.985 ug/L m
RT: 2.563 min Scan# 396
Delta R.T. -0.010 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 96 Resp: 4401

Ion	Ratio	Lower	Upper
96	100		
61	328.2	115.0	213.6#
63	1767.5	77.6	144.0#

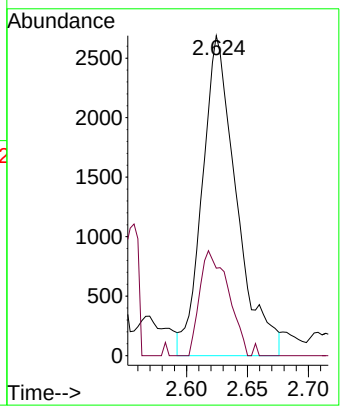




#13
Acetone
Concen: 5.290 ug/L m
RT: 2.624 min Scan# 4
Delta R.T. 0.006 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 43 Resp: 523

Ion	Ratio	Lower	Upper
43	100		
58	16.0	0.0	72.4



Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations
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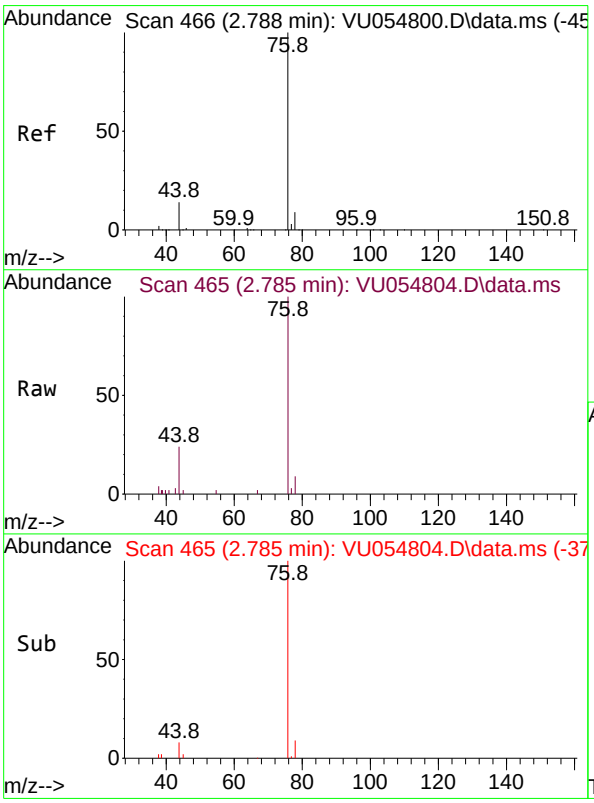
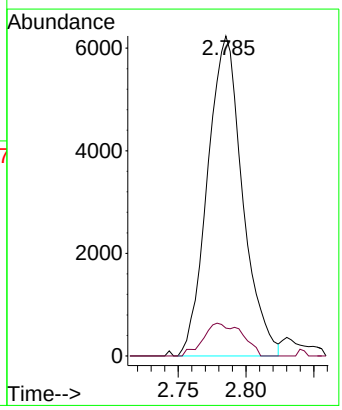
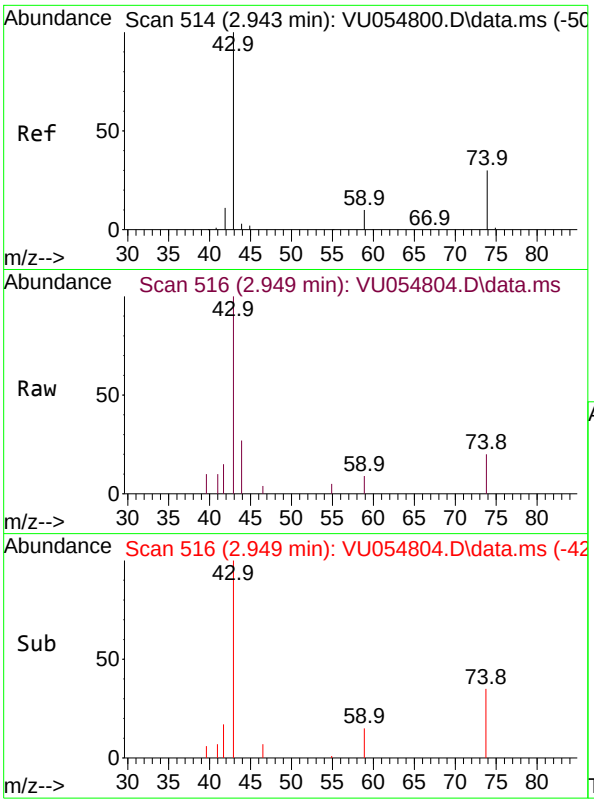


#14
Carbon disulfide
Concen: 2.603 ug/L
RT: 2.785 min Scan# 465
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 76 Resp: 11206

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0





#15
Methyl Acetate
Concen: 3.462 ug/L
RT: 2.949 min Scan# 5
Delta R.T. 0.006 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 43 Resp: 571

Ion	Ratio	Lower	Upper
43	100		
74	12.4	21.8	32.8#

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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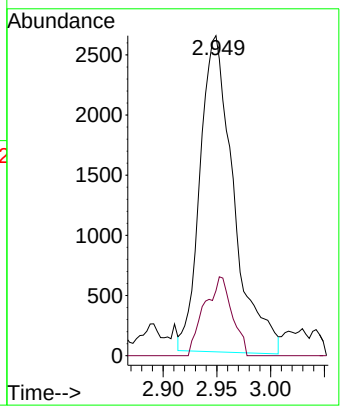
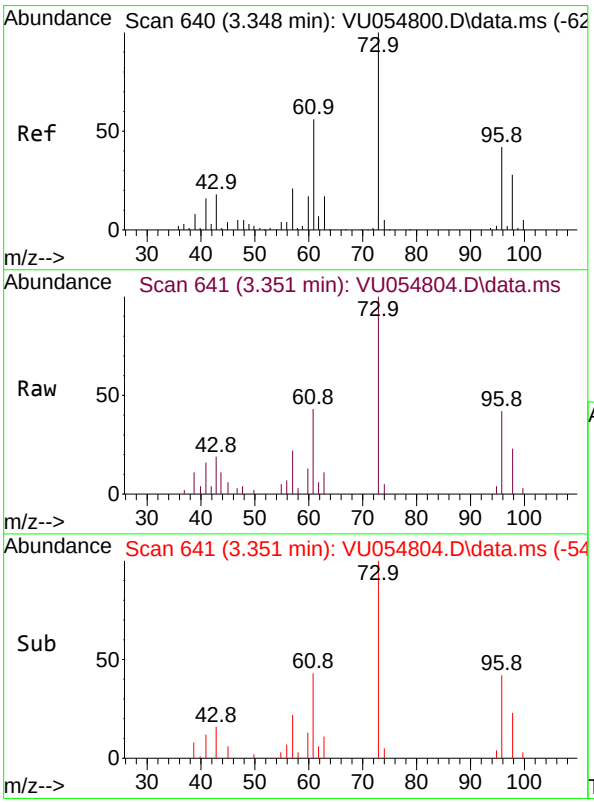
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

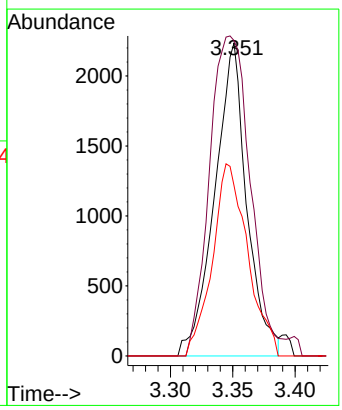


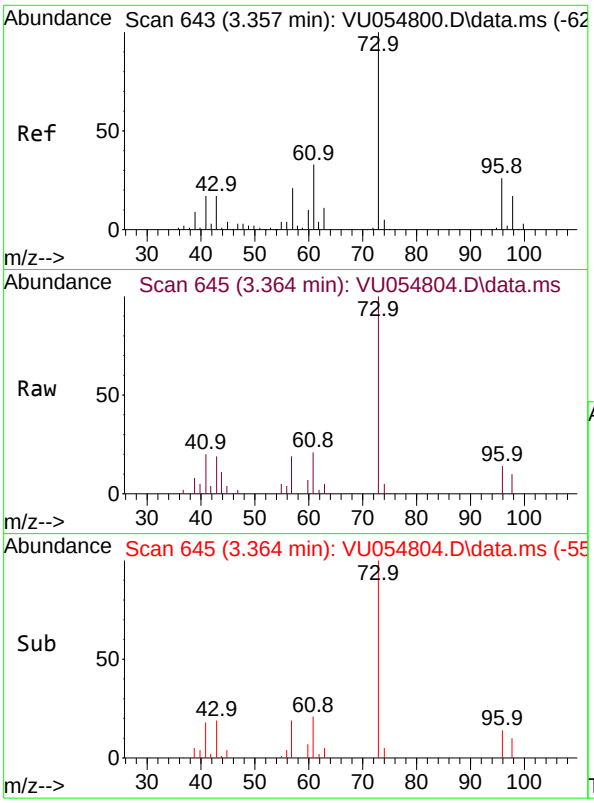


#17
trans-1,2-Dichloroethene
Concen: 2.627 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 96 Resp: 4009

Ion	Ratio	Lower	Upper
96	100		
61	100.8	93.2	173.2
98	54.4	44.7	82.9





#18
Methyl tert-butyl Ether
Concen: 2.710 ug/L
RT: 3.364 min Scan# 64
Delta R.T. 0.006 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 73 Resp: 1431

Ion	Ratio	Lower	Upper
73	100		
43	8.9	14.3	21.5#
57	21.3	17.4	26.0

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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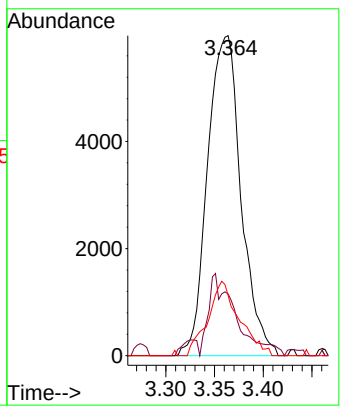
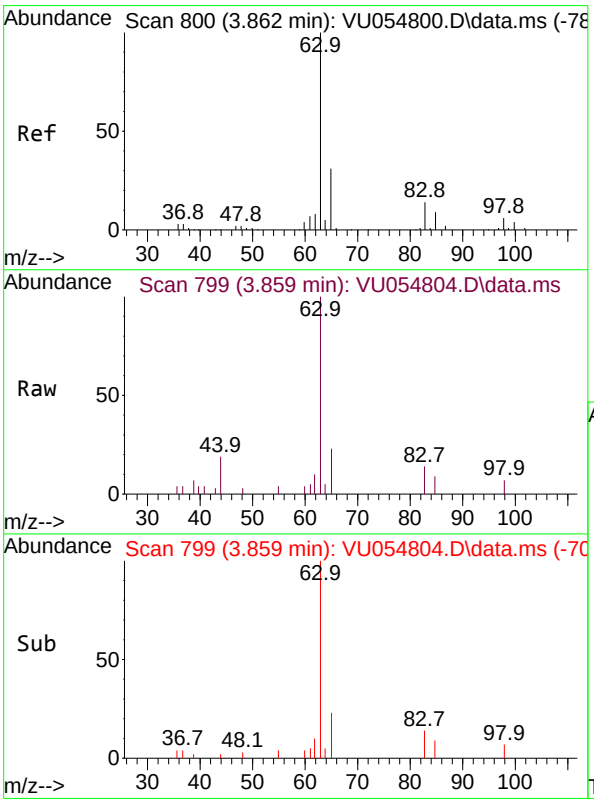
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

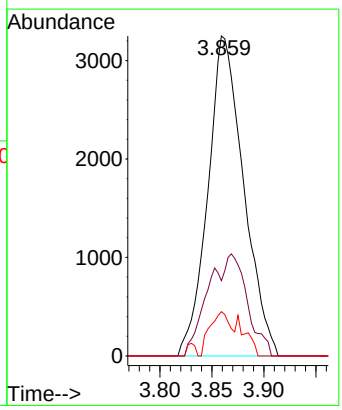


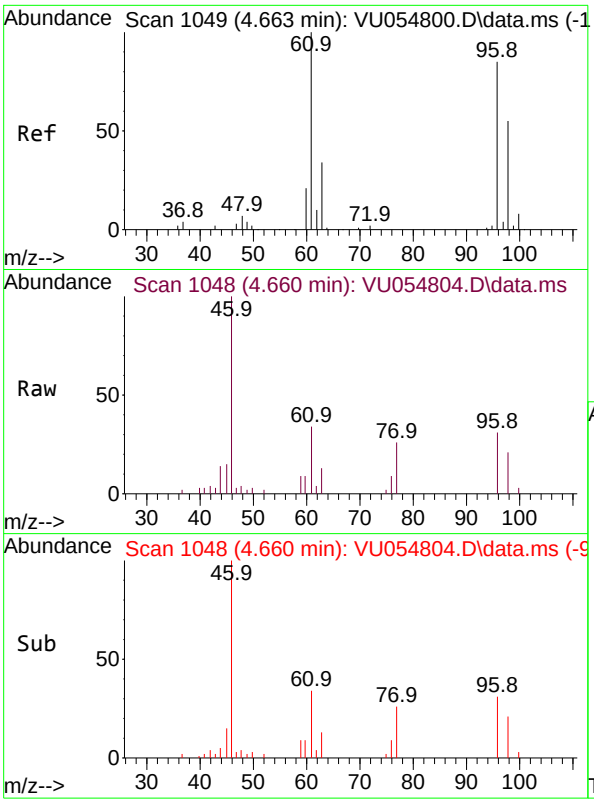


#19
1,1-Dichloroethane
Concen: 2.669 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 63 Resp: 7773

Ion	Ratio	Lower	Upper
63	100		
65	22.4	22.1	41.1
83	13.2	9.4	17.4

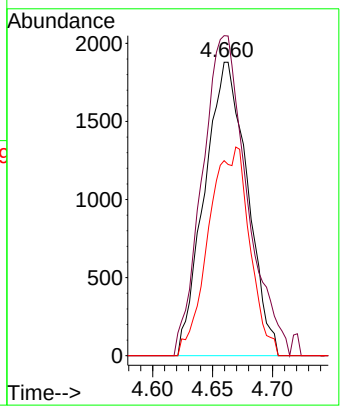




#20
cis-1,2-Dichloroethene
Concen: 2.571 ug/L
RT: 4.660 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 96 Resp: 466

Ion	Ratio	Lower	Upper
96	100		
61	109.0	82.7	153.7
98	66.5	44.4	82.5



Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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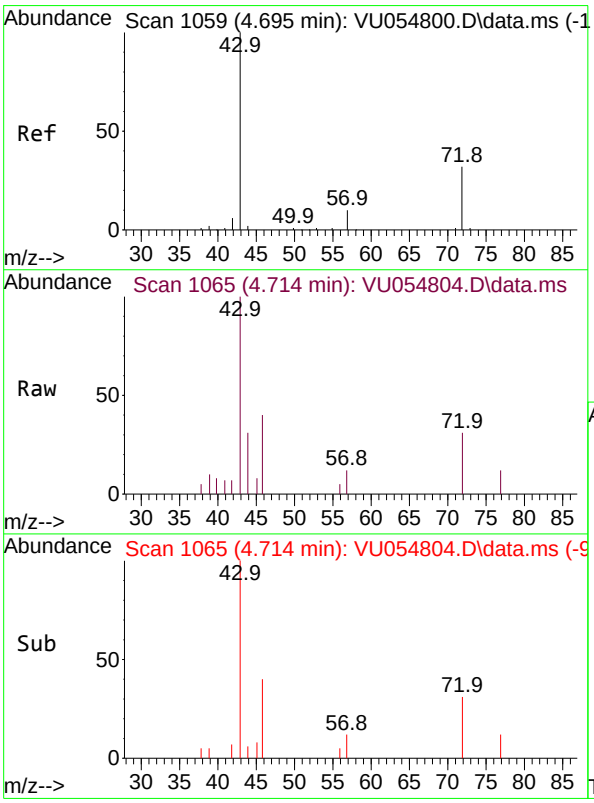
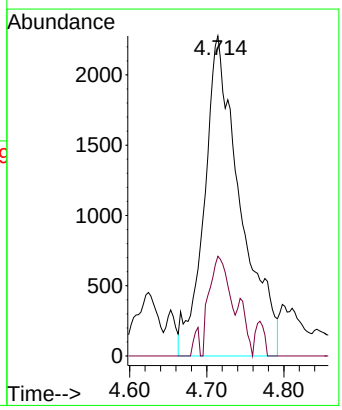
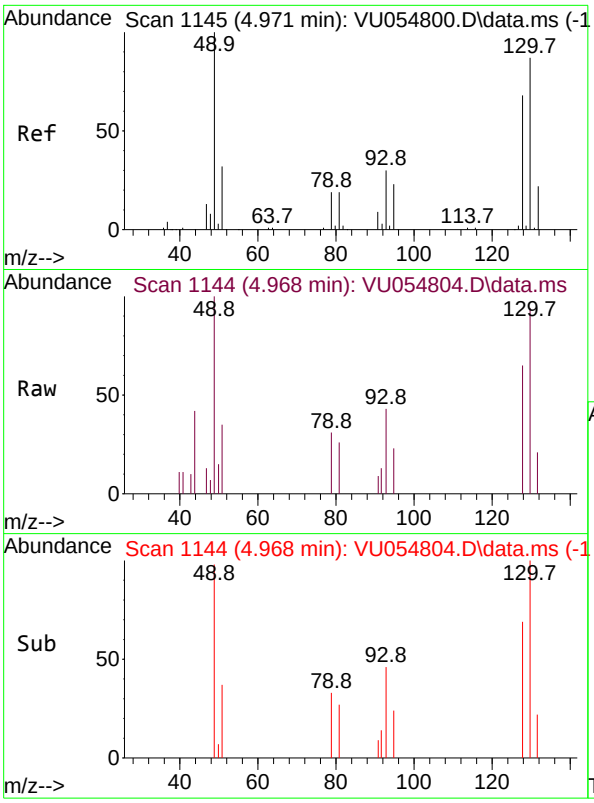


#22
2-Butanone
Concen: 5.419 ug/L m
RT: 4.714 min Scan# 1065
Delta R.T. 0.019 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 43 Resp: 7407

Ion	Ratio	Lower	Upper
43	100		
72	17.4	15.2	45.6

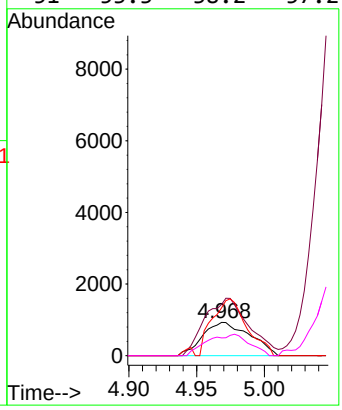




#23
Bromochloromethane
Concen: 2.453 ug/L
RT: 4.968 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:128 Resp: 226

Ion	Ratio	Lower	Upper
128	100		
49	153.9	100.6	186.8
130	144.1	83.0	154.1
51	53.3	38.2	57.2



Instrument :
MSVOA_U
ClientSampleId :
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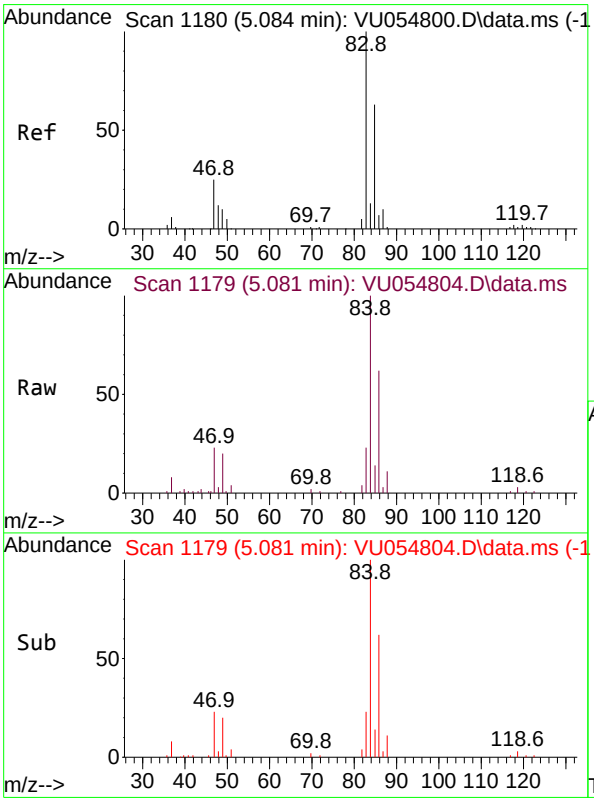
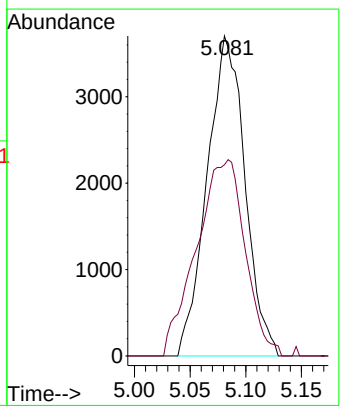
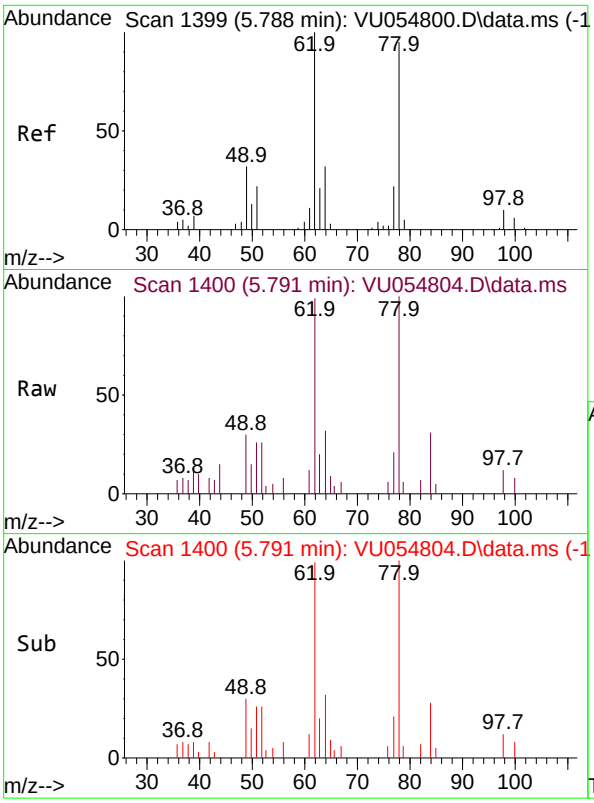


#25
Chloroform
Concen: 2.863 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 83 Resp: 8742

Ion	Ratio	Lower	Upper
83	100		
85	59.8	44.7	82.9





#27
1,2-Dichloroethane
Concen: 2.658 ug/L
RT: 5.791 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 62 Resp: 616

Ion	Ratio	Lower	Upper
62	100		
98	12.7	7.5	11.3#

Instrument :
MSVOA_U
ClientSampleId :
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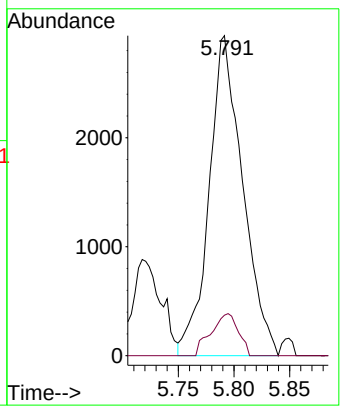
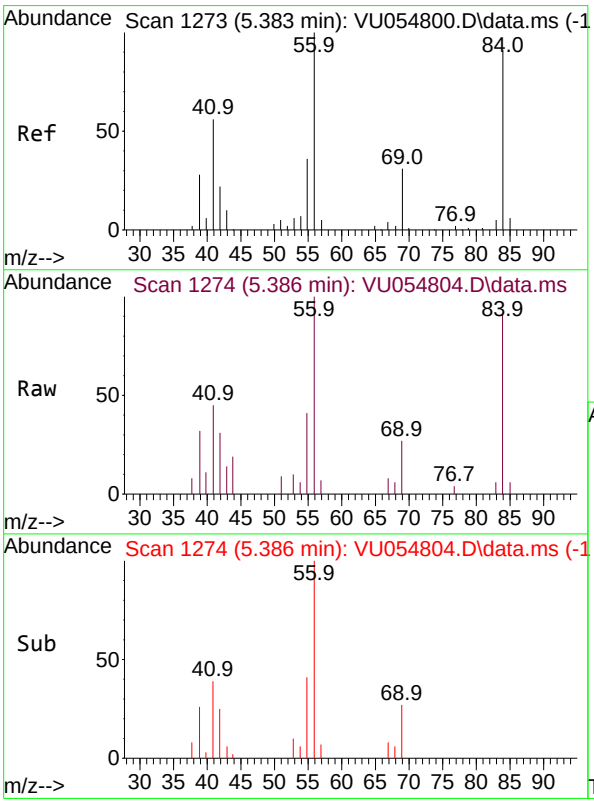
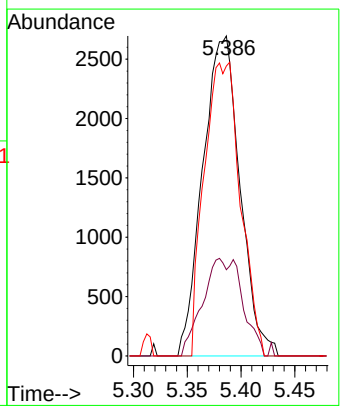


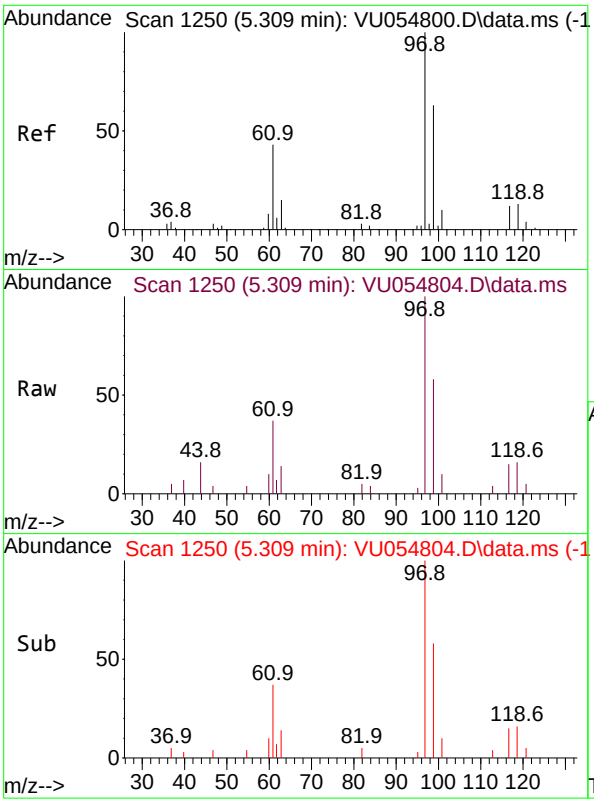


#29
Cyclohexane
Concen: 2.588 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 56 Resp: 6496

Ion	Ratio	Lower	Upper
56	100		
69	19.7	25.8	38.8#
84	48.4	75.9	113.9#





#30
1,1,1-Trichloroethane
Concen: 2.797 ug/L
RT: 5.309 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 97 Resp: 708

Ion	Ratio	Lower	Upper
97	100		
99	53.5	52.0	78.0
61	42.1	34.3	51.5

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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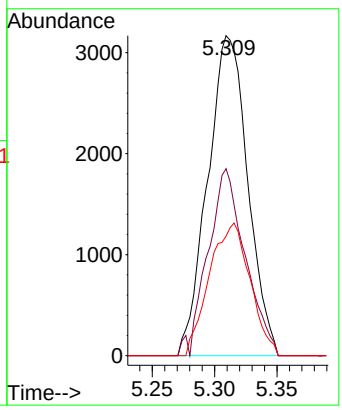
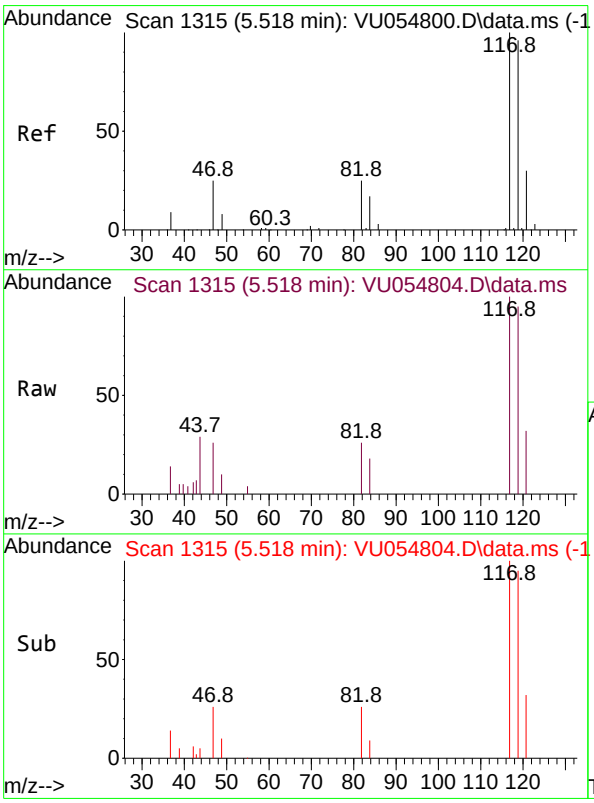
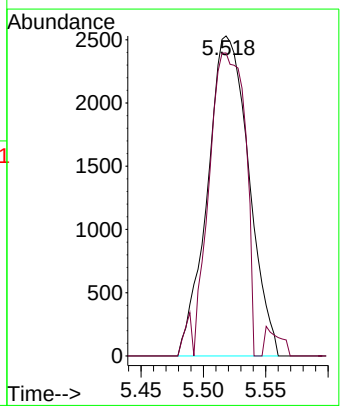


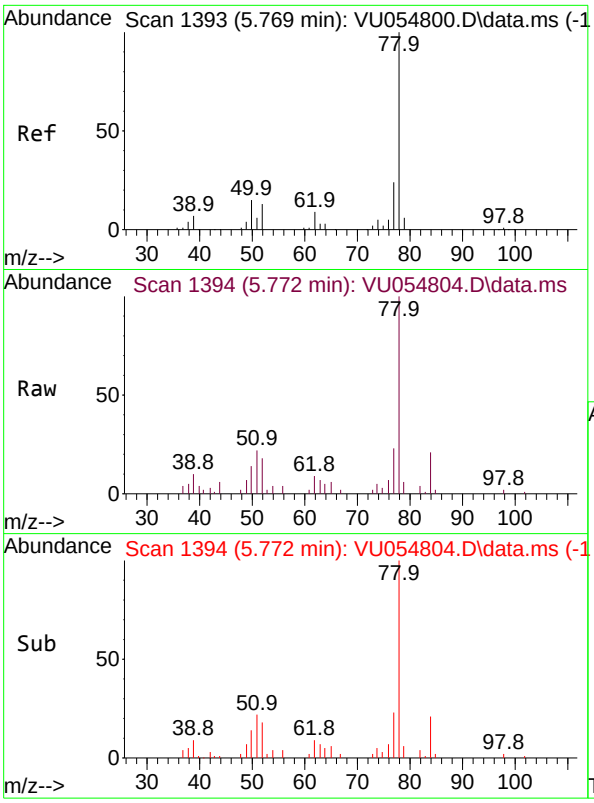


#31
Carbon tetrachloride
Concen: 2.668 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:117 Resp: 5837

Ion	Ratio	Lower	Upper
117	100		
119	57.4	77.4	116.2#





#33
Benzene
Concen: 2.626 ug/L
RT: 5.772 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 78 Resp: 1717

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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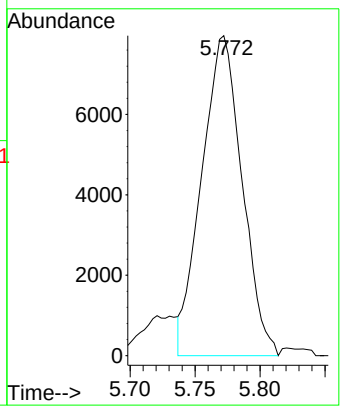
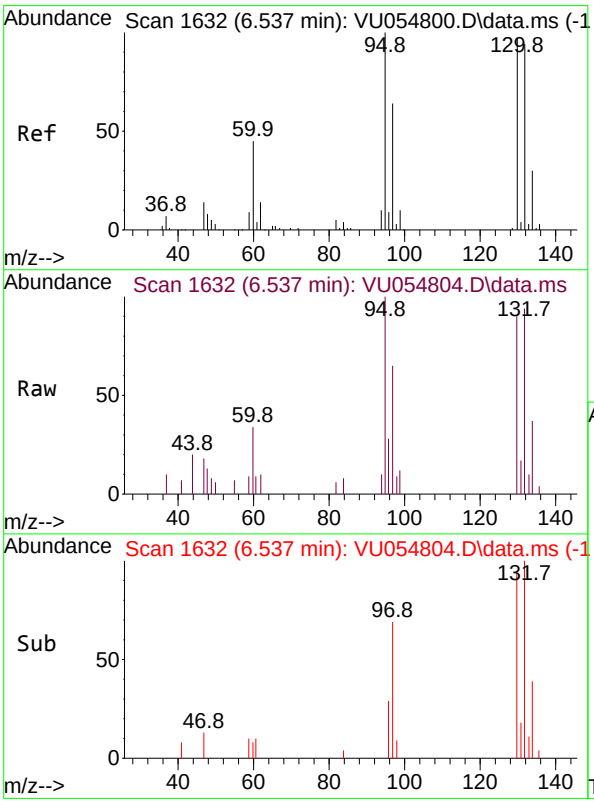
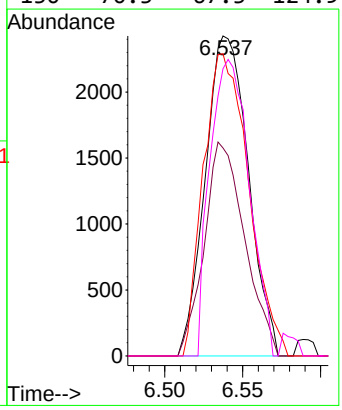


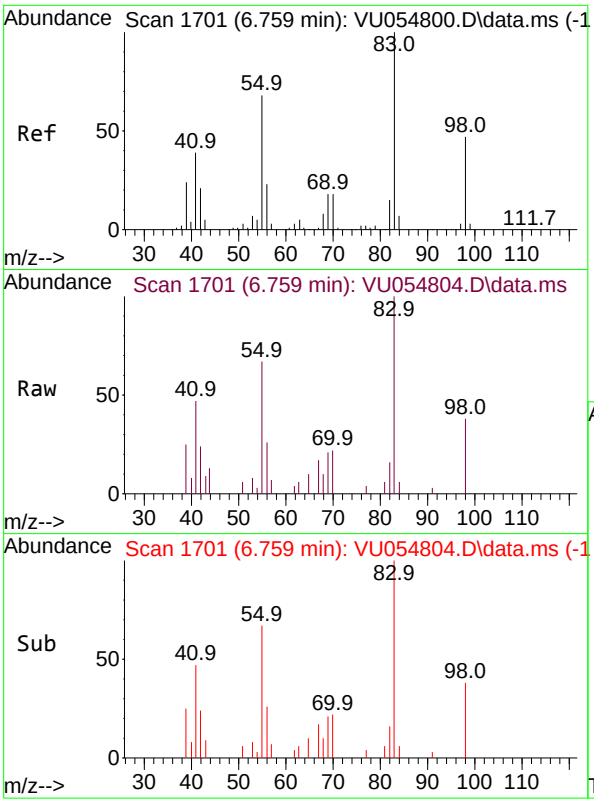


#34
Trichloroethene
Concen: 2.797 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 95 Resp: 4656

Ion	Ratio	Lower	Upper
95	100		
97	50.9	44.0	81.8
132	74.0	67.9	126.1
130	70.3	67.3	124.9





#35
Methylcyclohexane
Concen: 2.951 ug/L
RT: 6.759 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 83 Resp: 802

Ion	Ratio	Lower	Upper
83	100		
55	67.8	55.8	83.8
98	35.6	38.6	58.0#

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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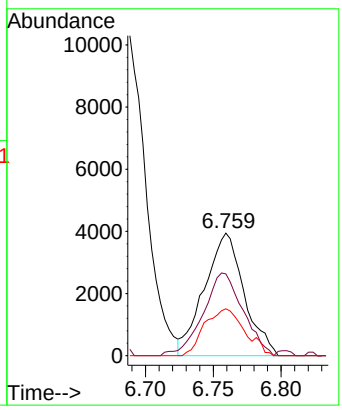
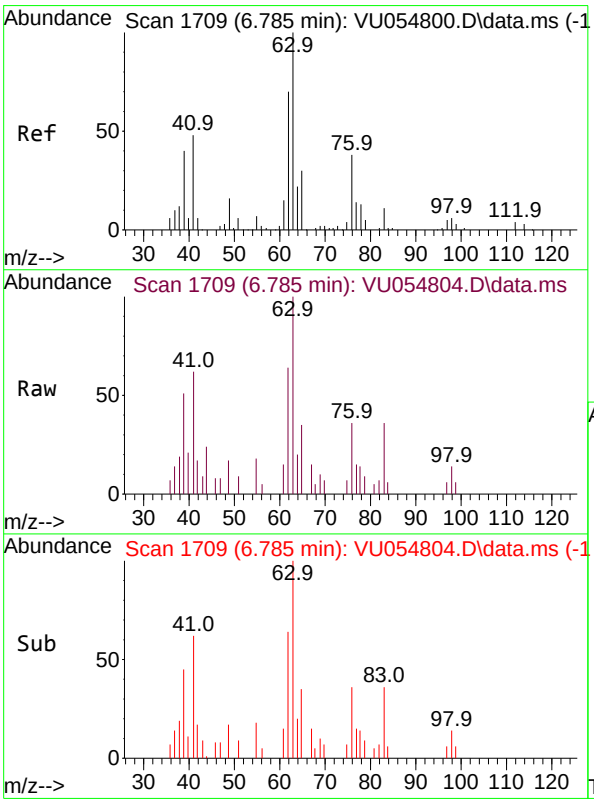
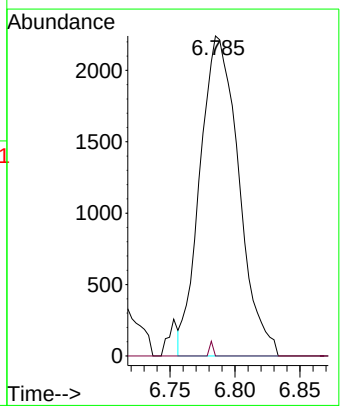


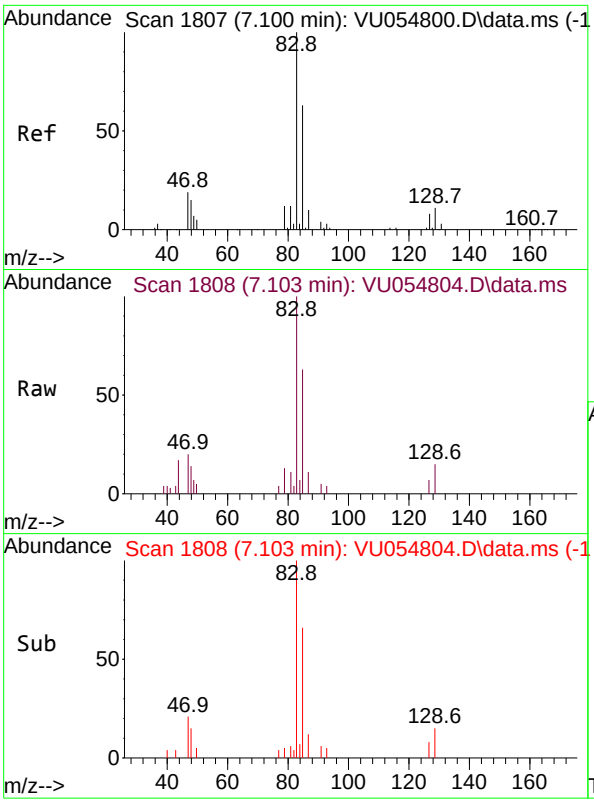


#37
1,2-Dichloropropane
Concen: 2.581 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 63 Resp: 4643

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#





#38
Bromodichloromethane
Concen: 2.690 ug/L
RT: 7.103 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 83 Resp: 620

Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.9	83.3
127	0.0	7.2	10.8#

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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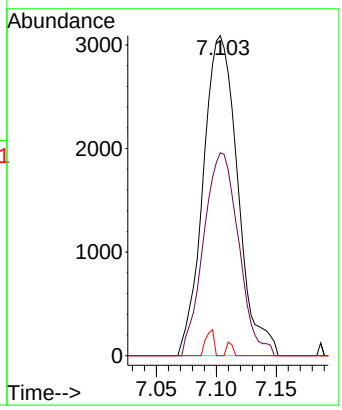
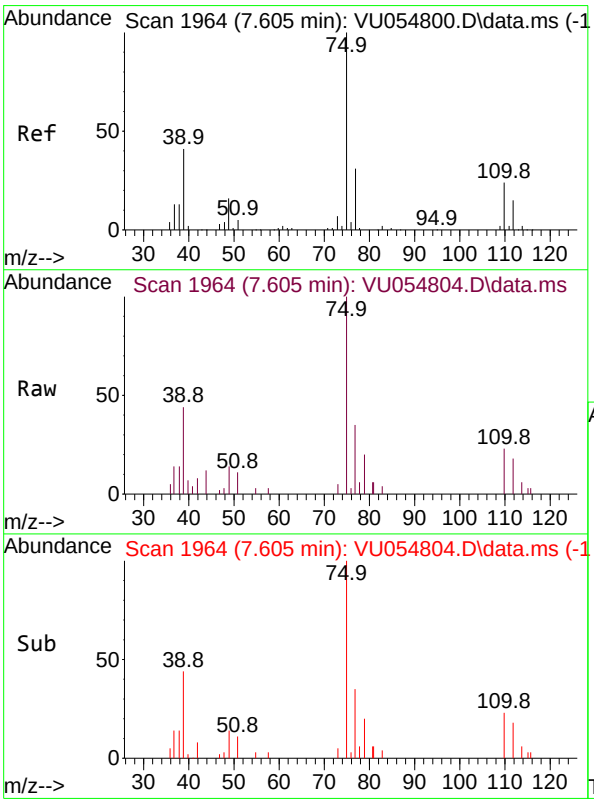
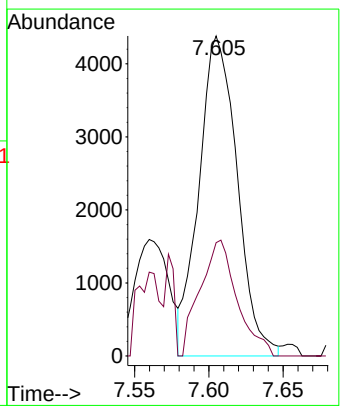


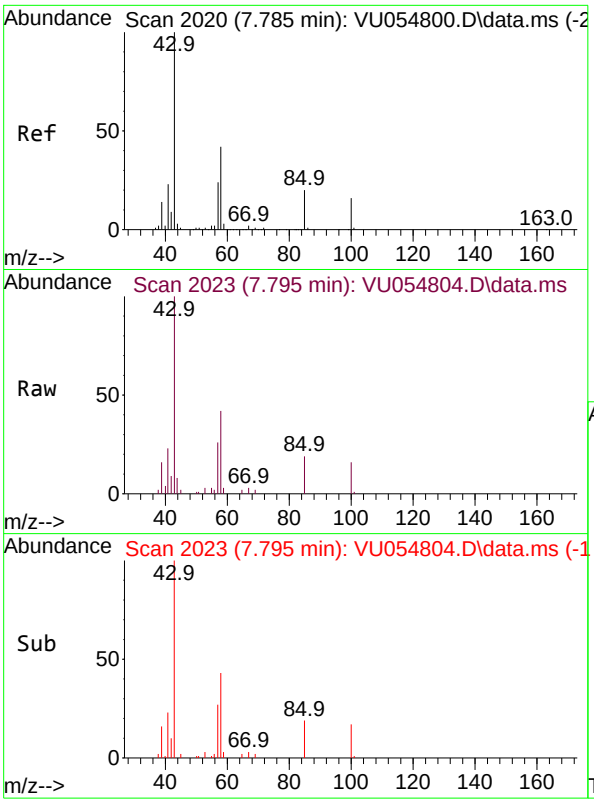


#39
cis-1,3-Dichloropropene
Concen: 2.641 ug/L
RT: 7.605 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 75 Resp: 7836

Ion	Ratio	Lower	Upper
75	100		
77	41.1	21.1	39.1#

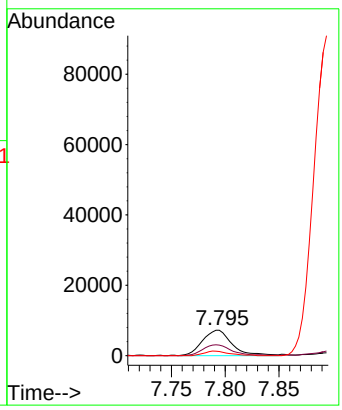




#40
4-Methyl-2-pentanone
Concen: 5.039 ug/L
RT: 7.795 min Scan# 2
Delta R.T. 0.010 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 43 Resp: 1387

Ion	Ratio	Lower	Upper
43	100		
58	40.8	33.7	50.5
100	15.3	13.0	19.4



Instrument :
MSVOA_U
ClientSampleId :
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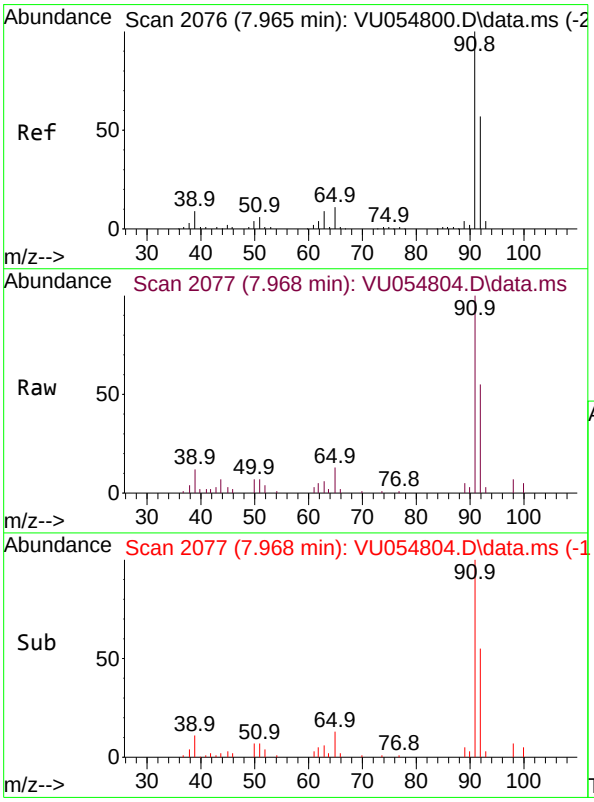
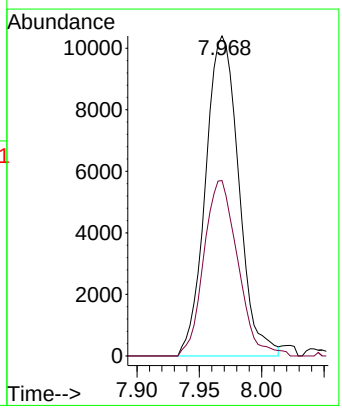
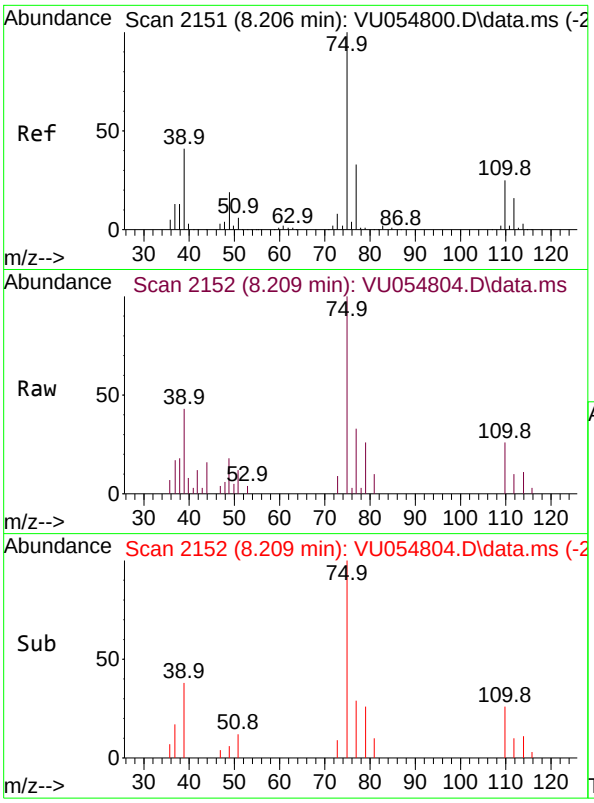


#42
Toluene
Concen: 2.641 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 91 Resp: 19330

Ion	Ratio	Lower	Upper
91	100		
92	54.8	40.1	74.5

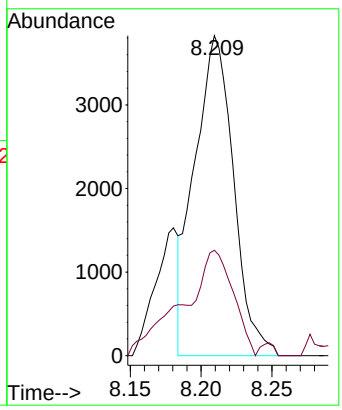




#44
trans-1,3-Dichloropropene
Concen: 2.631 ug/L
RT: 8.209 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 75 Resp: 733

Ion	Ratio	Lower	Upper
75	100		
77	33.0	22.7	42.1



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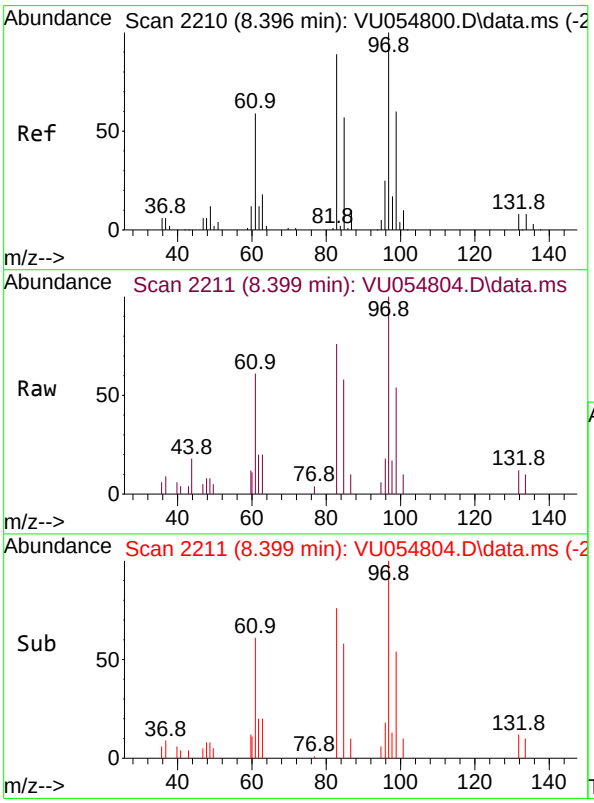
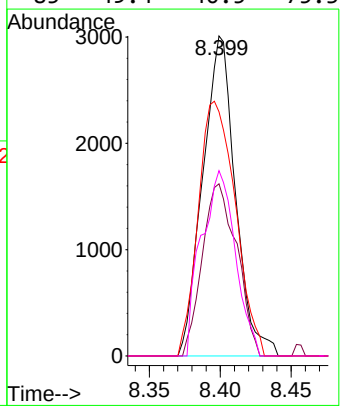
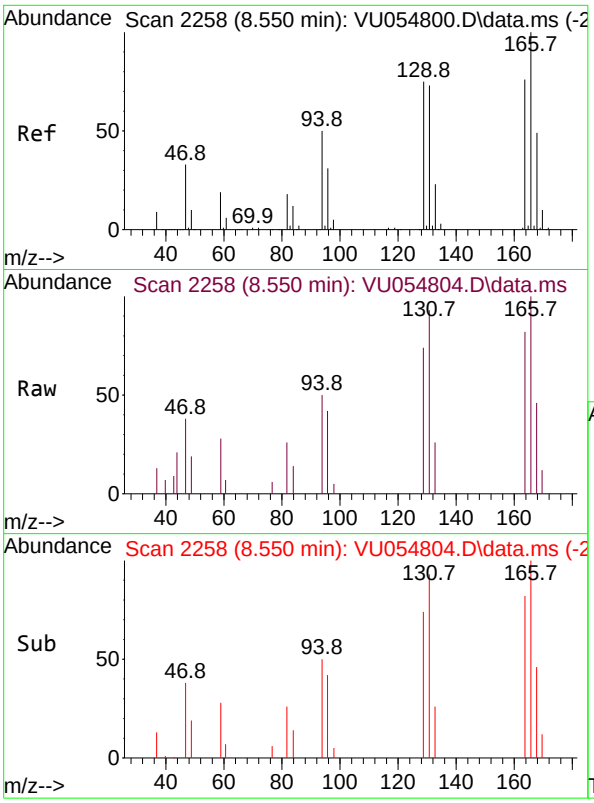


#45
1,1,2-Trichloroethane
Concen: 2.628 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 97 Resp: 4820

Ion	Ratio	Lower	Upper
97	100		
99	46.0	43.3	80.5
83	65.1	60.6	112.6
85	49.4	40.5	75.3

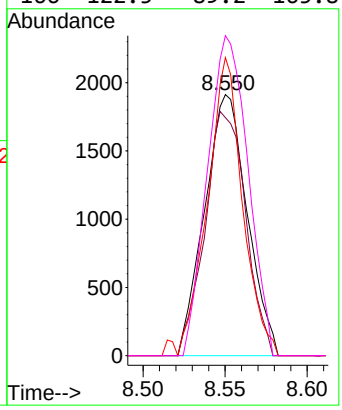




#46
Tetrachloroethene
Concen: 2.697 ug/L
RT: 8.550 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:164 Resp: 344

Ion	Ratio	Lower	Upper
164	100		
129	91.2	66.2	123.0
131	114.2	61.9	115.1
166	122.5	89.2	165.8



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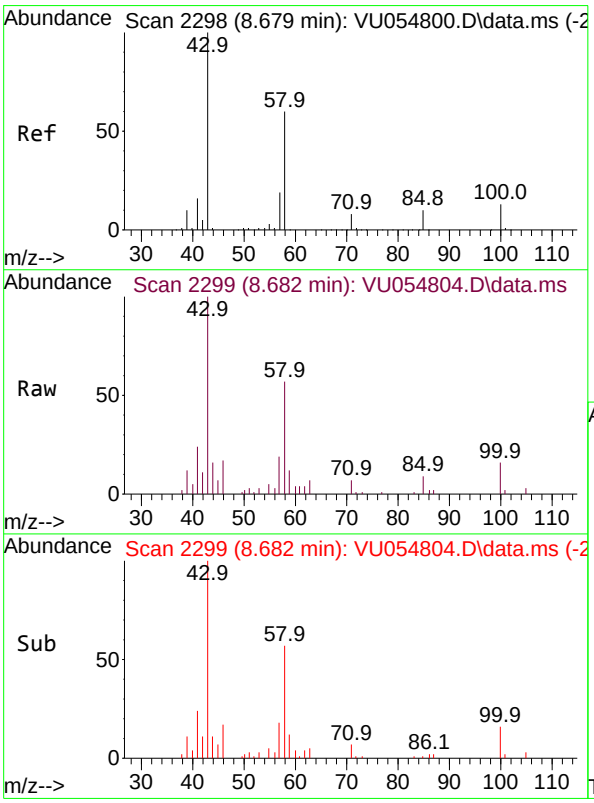
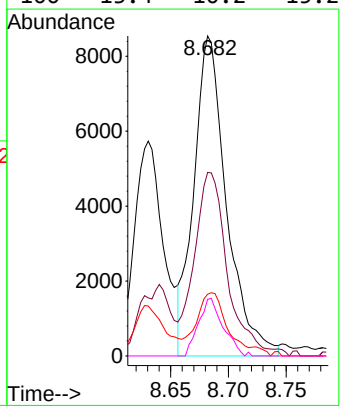
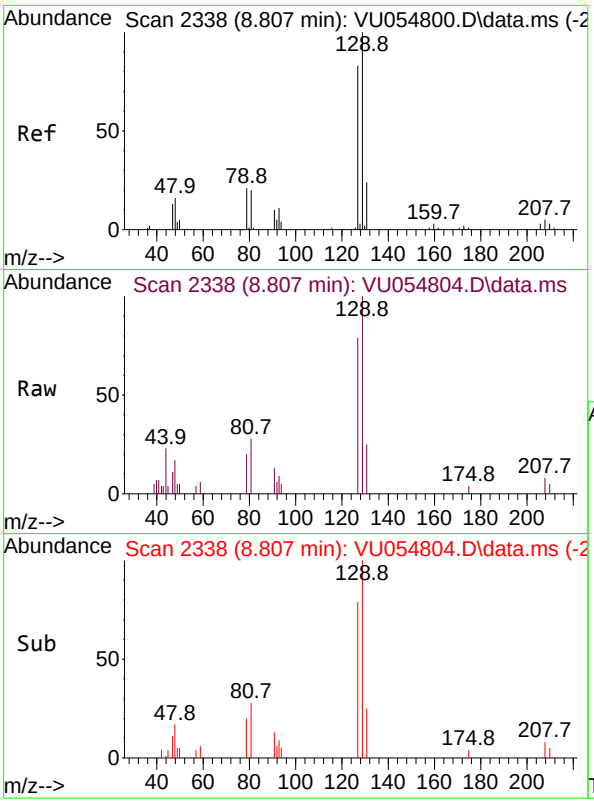


#48
2-Hexanone
Concen: 7.386 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 43 Resp: 16853

Ion	Ratio	Lower	Upper
43	100		
58	57.9	46.5	69.7
57	15.0	15.4	23.2#
100	13.4	10.2	15.2





#49
Dibromochloromethane
Concen: 2.343 ug/L
RT: 8.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:129 Resp: 442

Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.4	101.0

Instrument :
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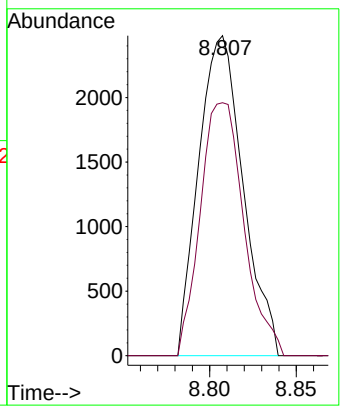
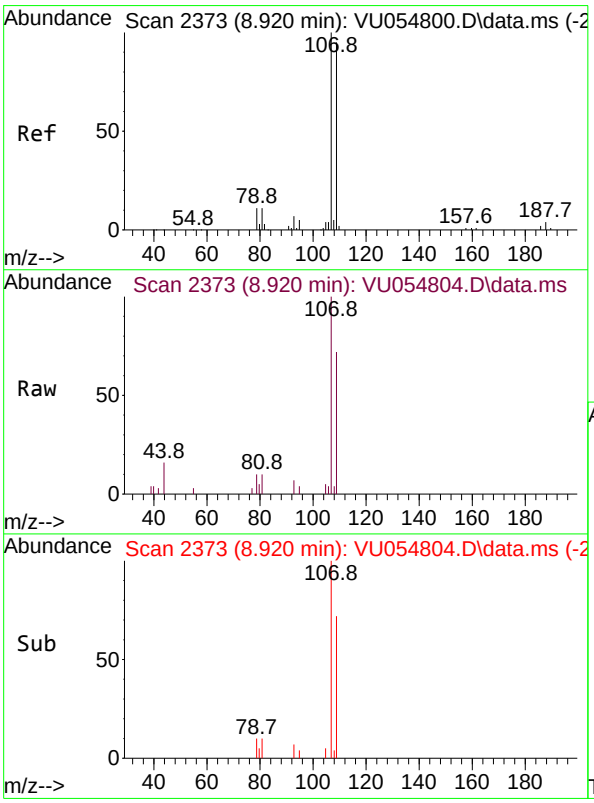
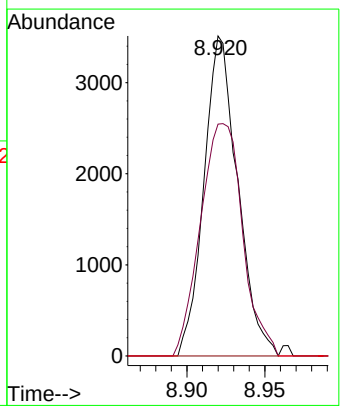


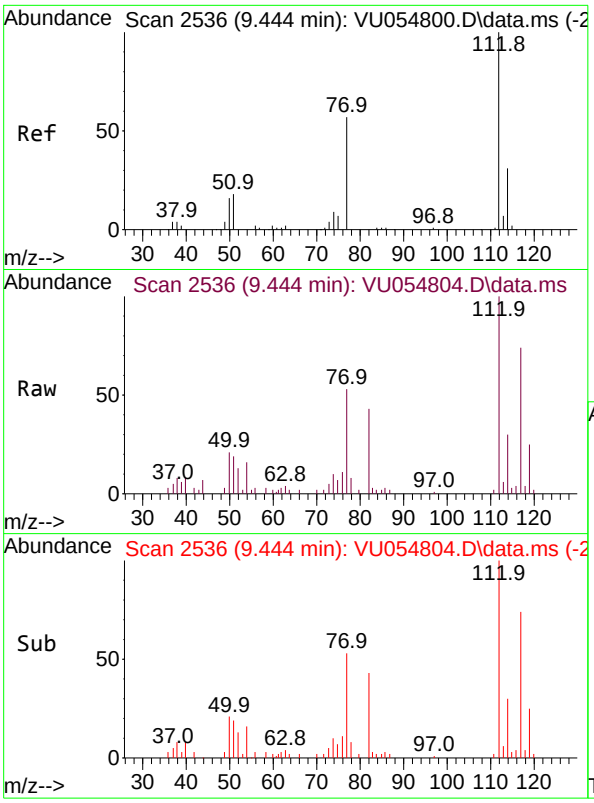


#50
1,2-Dibromoethane
Concen: 2.681 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:107 Resp: 5292

Ion	Ratio	Lower	Upper
107	100		
109	72.5	62.5	116.1
188	0.0	2.6	4.0#

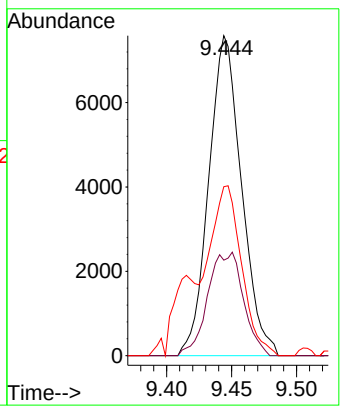




#51
Chlorobenzene
Concen: 2.792 ug/L
RT: 9.444 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:112 Resp: 1329

Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.5
77	52.8	44.2	66.4



Instrument :
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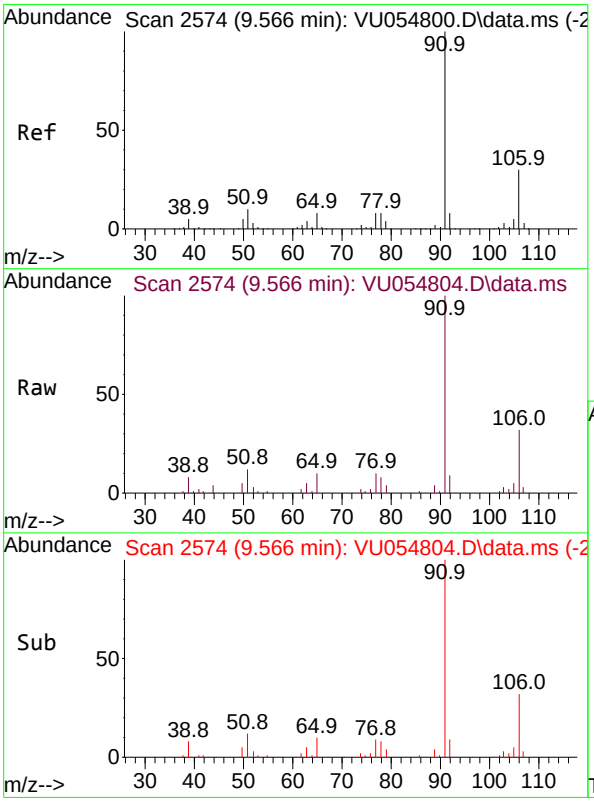
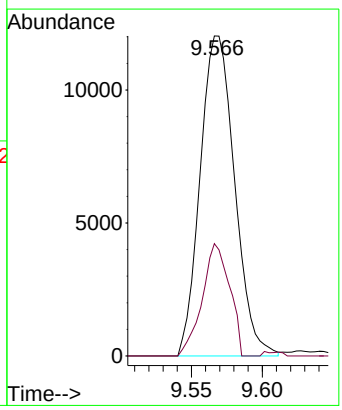
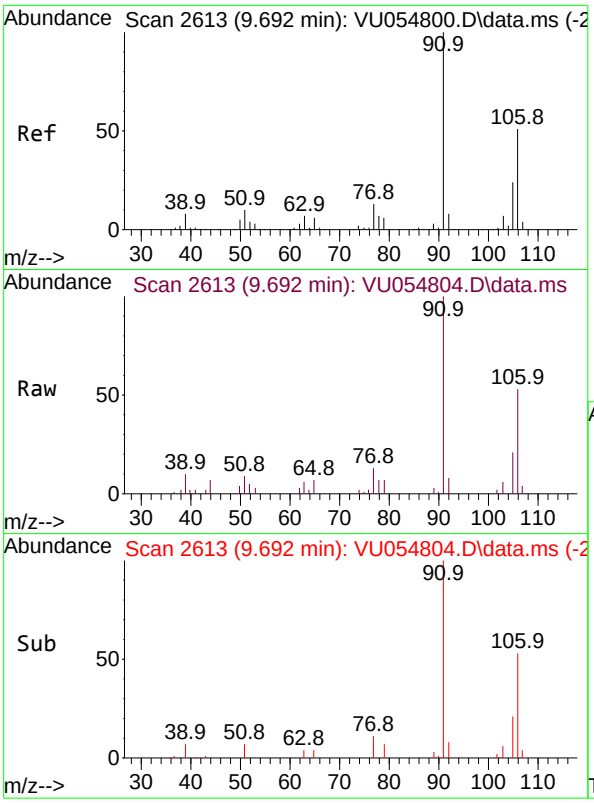


#52
Ethylbenzene
Concen: 2.406 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 91 Resp: 20361

Ion	Ratio	Lower	Upper
91	100		
106	35.1	23.5	43.7





#53
m,p-Xylene
Concen: 2.831 ug/L
RT: 9.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:106 Resp: 911

Ion	Ratio	Lower	Upper
106	100		
91	176.6	133.3	247.7

Instrument :
MSVOA_U
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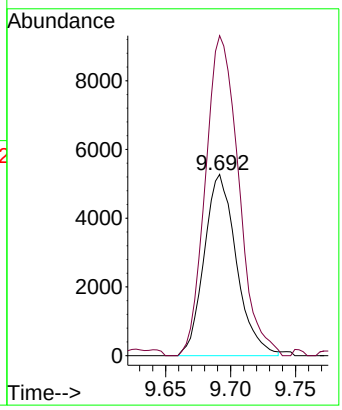
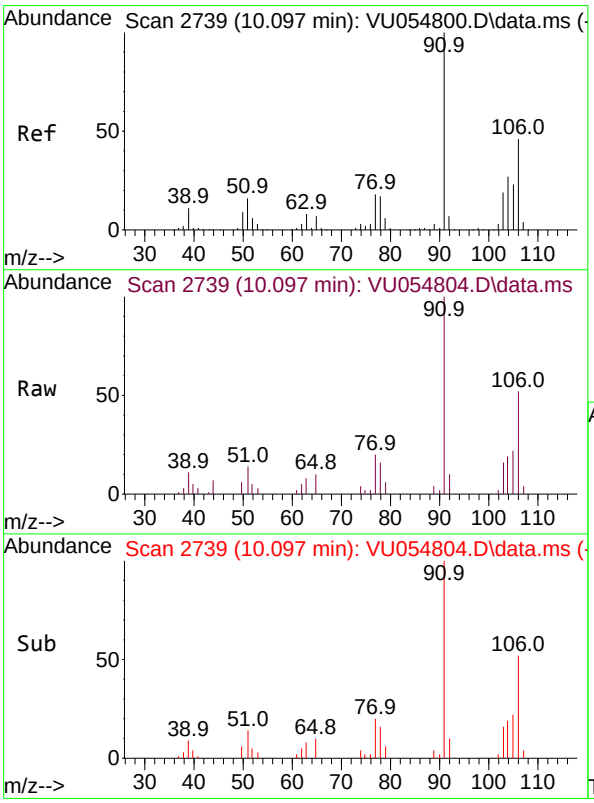
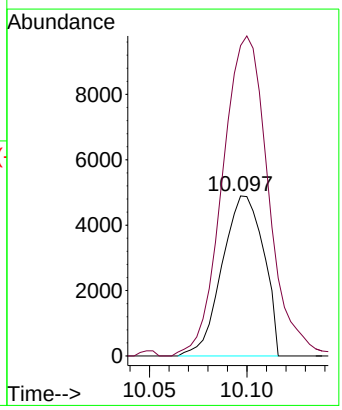


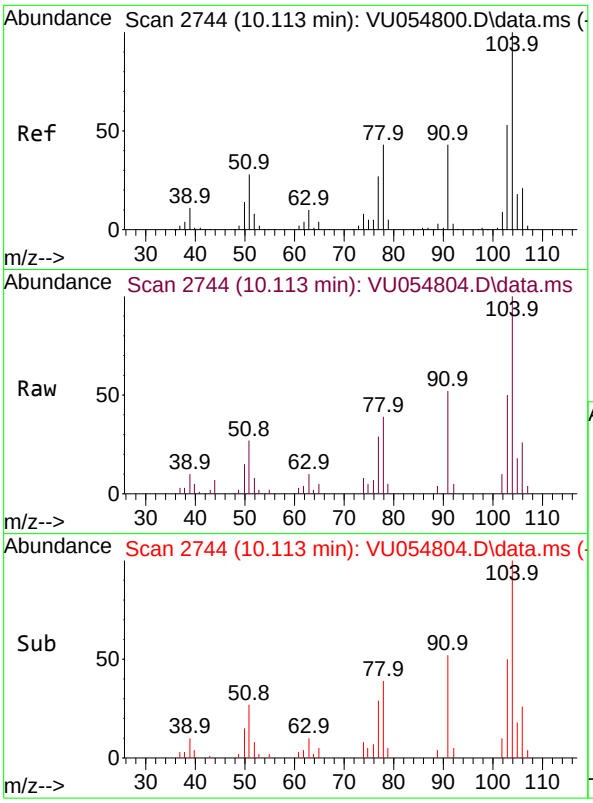


#54
o-Xylene
Concen: 2.212 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:106 Resp: 7239

Ion	Ratio	Lower	Upper
106	100		
91	194.0	142.0	263.8





#55
Styrene
Concen: 2.218 ug/L
RT: 10.113 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:104 Resp: 1264

Ion	Ratio	Lower	Upper
104	100		
78	44.6	30.7	57.1

Instrument :
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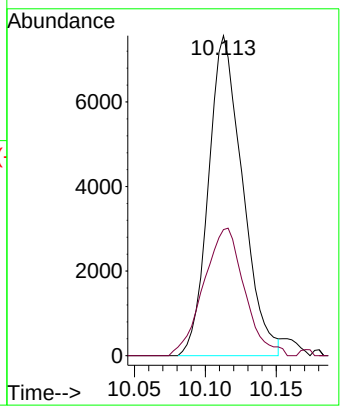
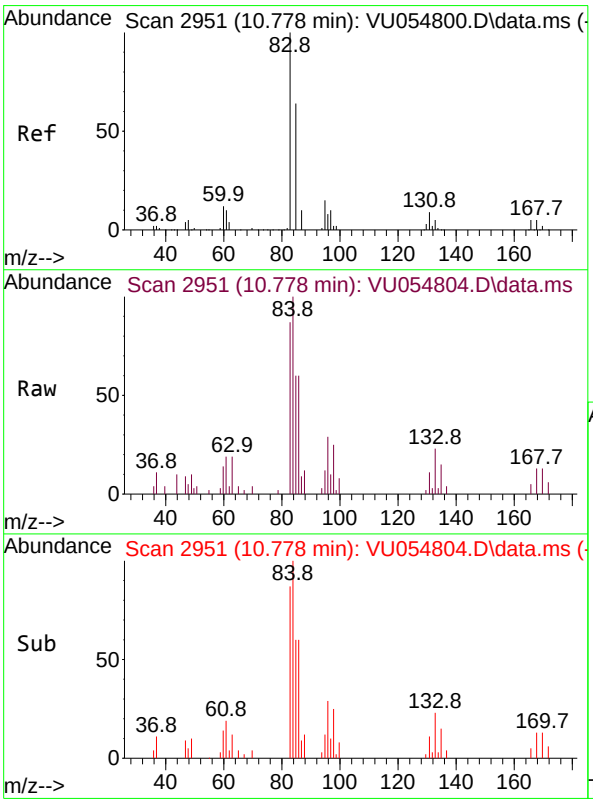
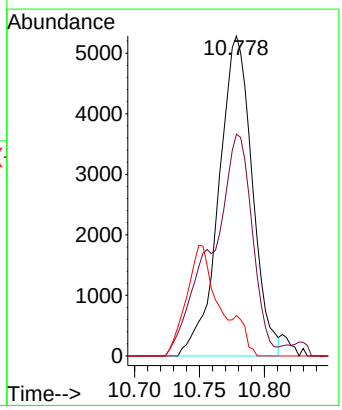


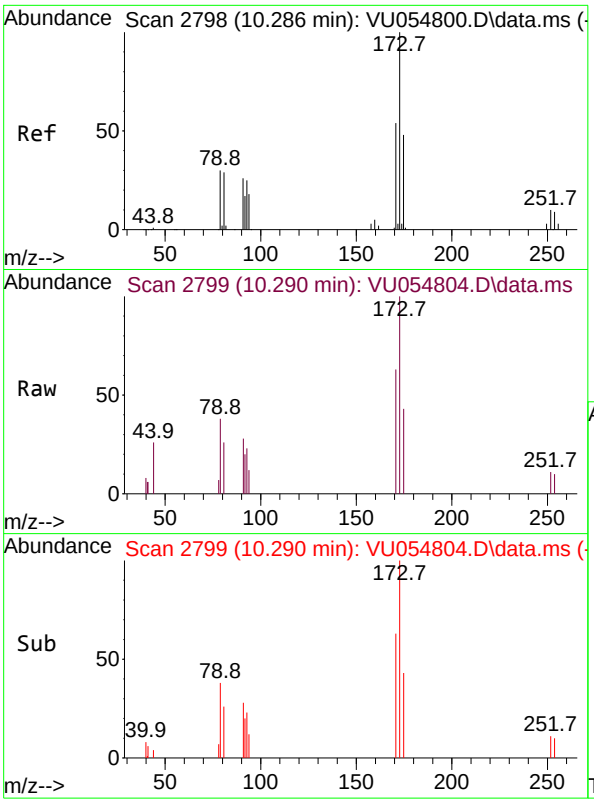


#57
1,1,2,2-Tetrachloroethane
Concen: 2.610 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 83 Resp: 9449

Ion	Ratio	Lower	Upper
83	100		
85	69.3	43.8	81.4
131	12.6	8.7	13.1





#59
Bromoform
Concen: 2.075 ug/L
RT: 10.290 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:173 Resp: 307

Ion	Ratio	Lower	Upper
173	100		
175	31.8	38.8	58.2#
254	5.0	2.4	3.6#

Instrument :
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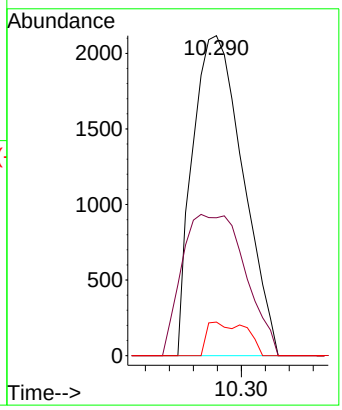
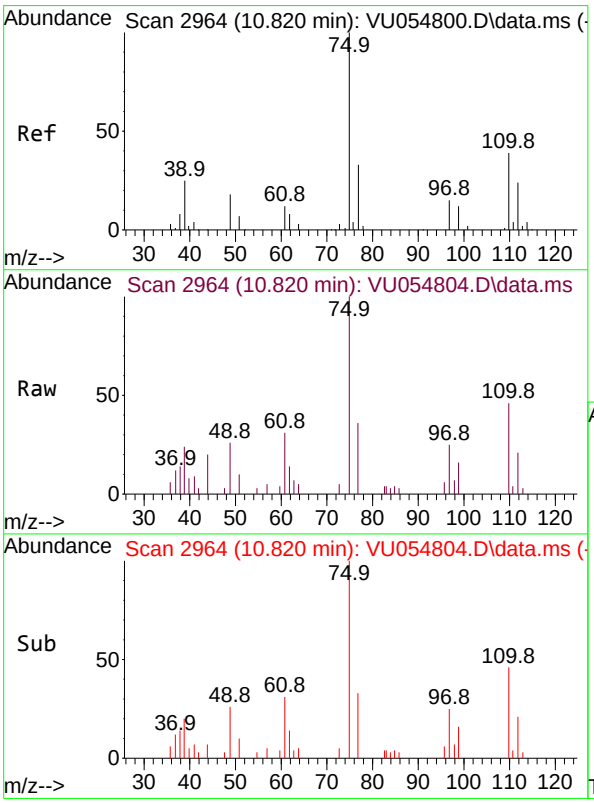
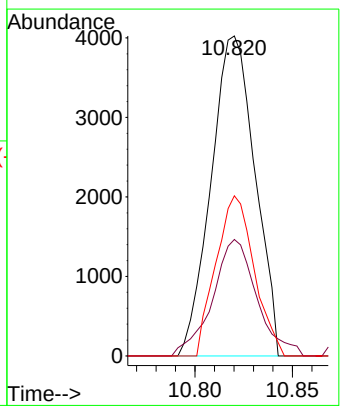


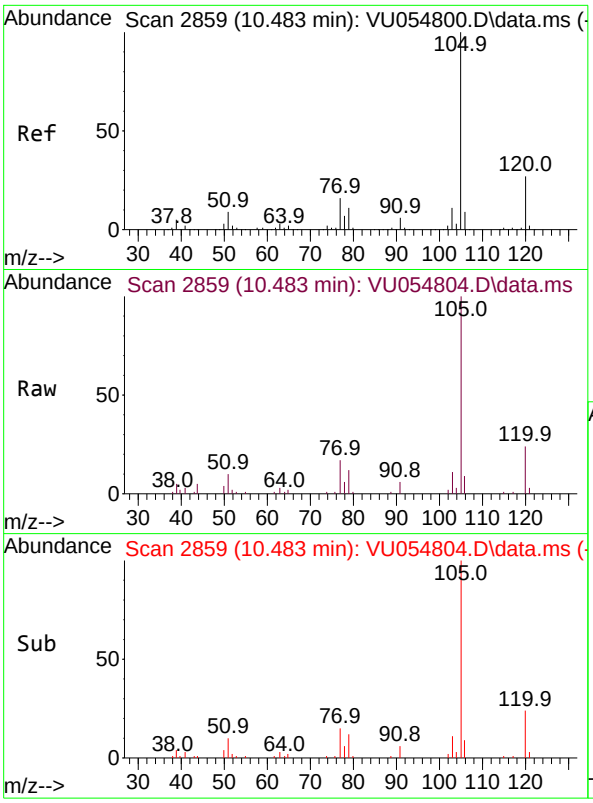


#60
1,2,3-Trichloropropane
Concen: 2.729 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 75 Resp: 6314

Ion	Ratio	Lower	Upper
75	100		
77	36.7	26.2	39.4
110	43.5	29.9	44.9

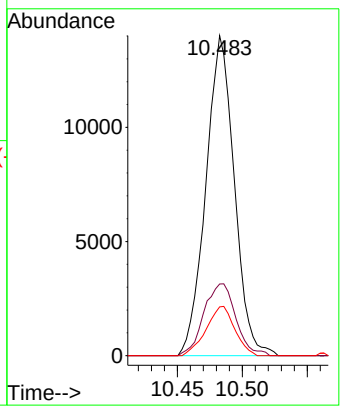




#61
Isopropylbenzene
Concen: 2.727 ug/L
RT: 10.483 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:105 Resp: 2136

Ion	Ratio	Lower	Upper
105	100		
120	25.2	21.4	32.0
77	15.5	12.8	19.2



Instrument :
MSVOA_U
ClientSampleId :
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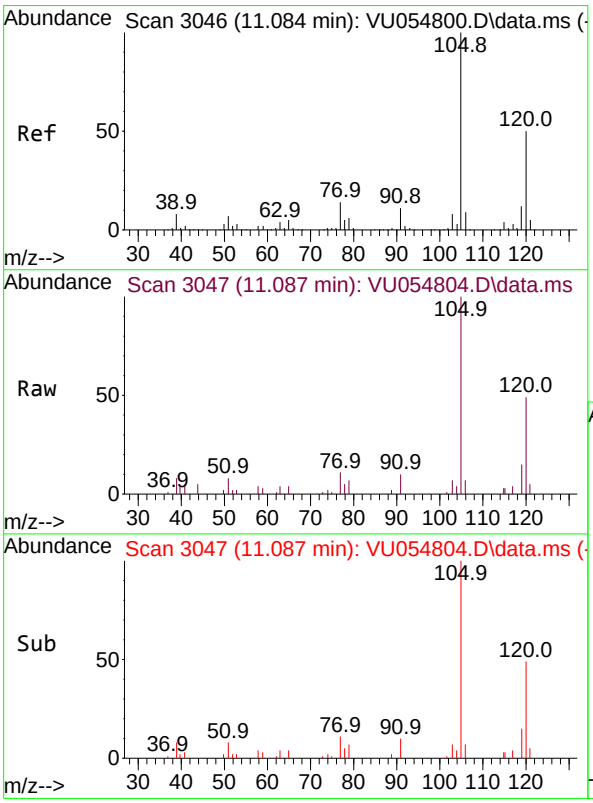
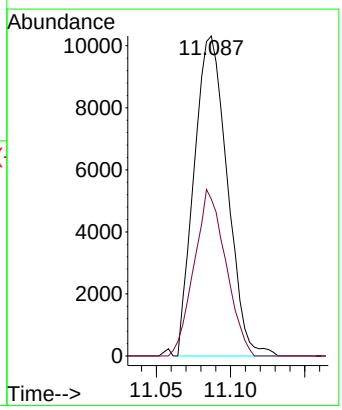
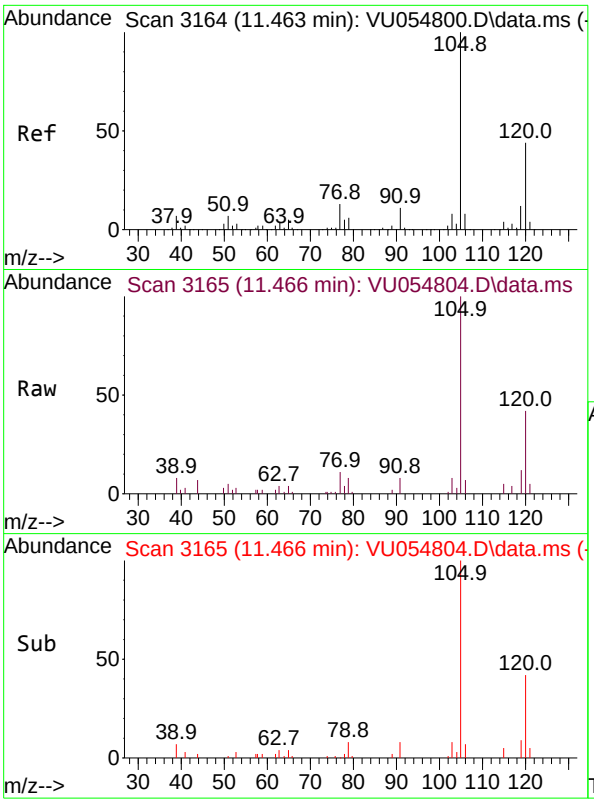


#62
1,3,5-Trimethylbenzene
Concen: 2.480 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:105 Resp: 16002

Ion	Ratio	Lower	Upper
105	100		
120	49.6	38.0	57.0





#63
1,2,4-Trimethylbenzene
Concen: 2.594 ug/L
RT: 11.466 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:105 Resp: 1659

Ion	Ratio	Lower	Upper
105	100		
120	43.8	36.2	54.2

Instrument :
MSVOA_U
ClientSampleId :
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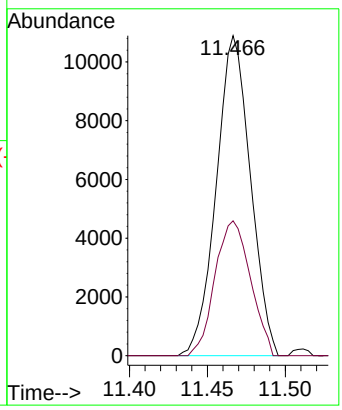
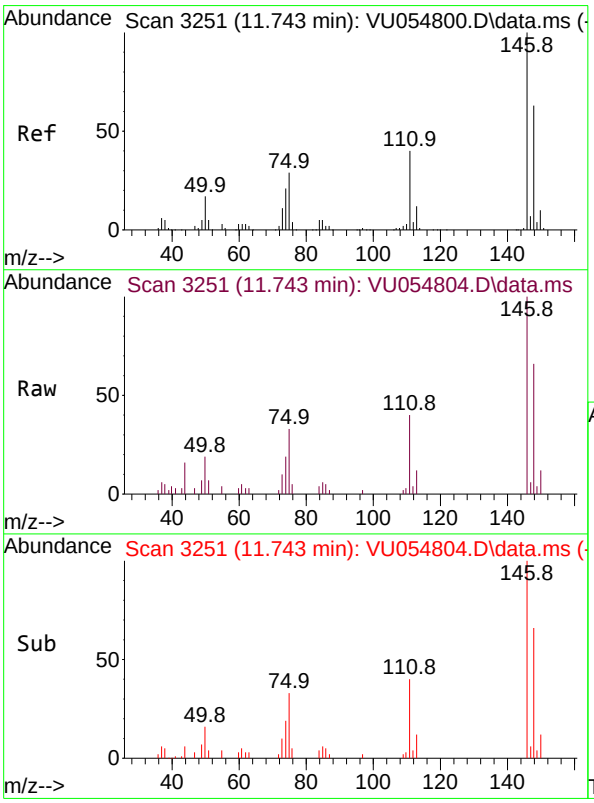
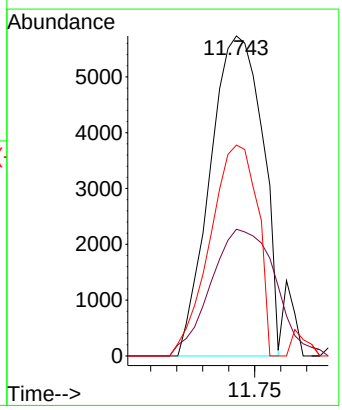


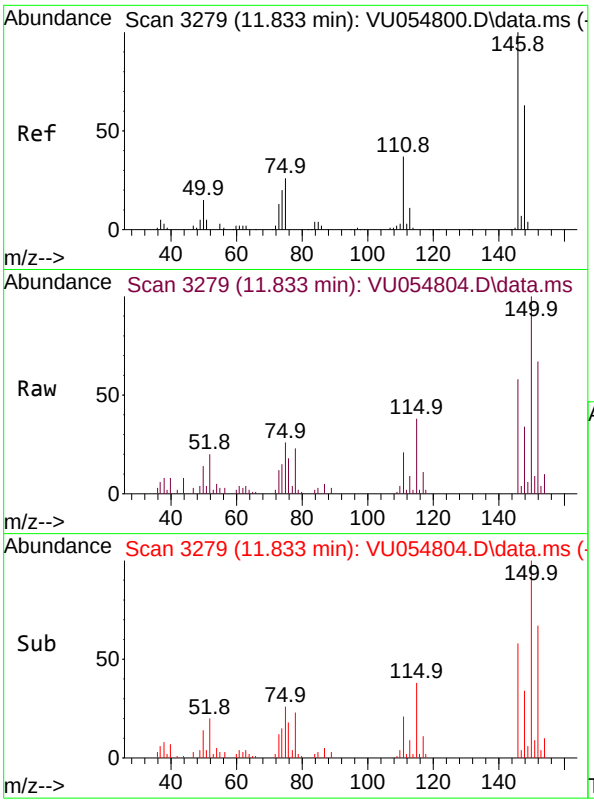


#64
1,3-Dichlorobenzene
Concen: 2.207 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:146 Resp: 8020

Ion	Ratio	Lower	Upper
146	100		
111	43.9	25.2	46.8
148	70.3	44.4	82.4

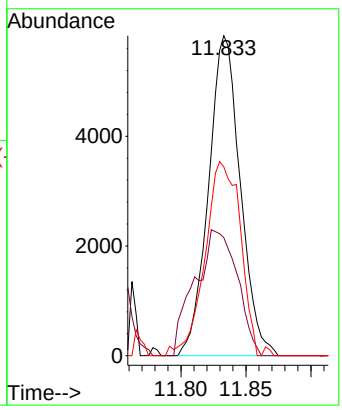




#65
1,4-Dichlorobenzene
Concen: 2.711 ug/L
RT: 11.833 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:146 Resp: 992

Ion	Ratio	Lower	Upper
146	100		
111	38.3	24.1	44.8
148	64.9	41.0	76.2



Instrument :
MSVOA_U
ClientSampleId :
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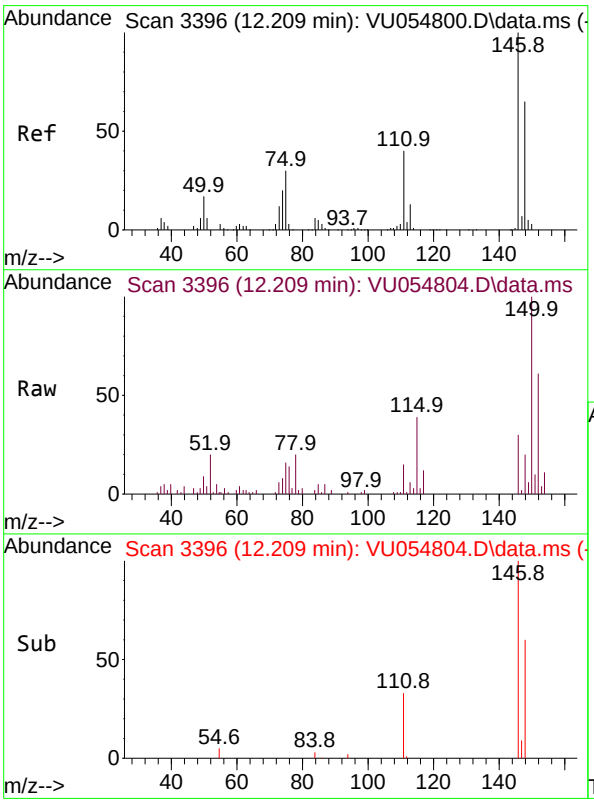
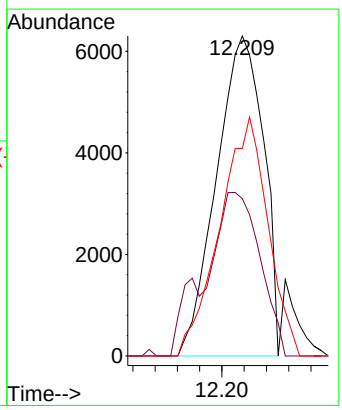
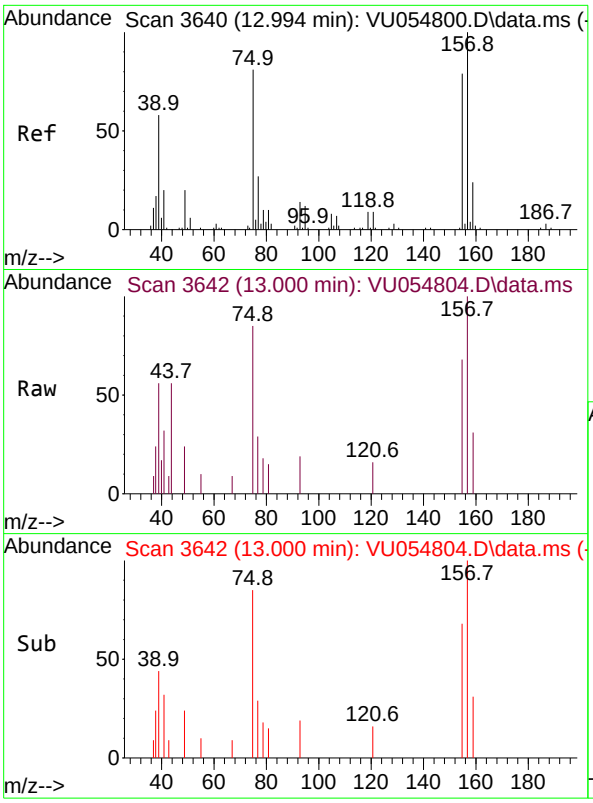


#67
1,2-Dichlorobenzene
Concen: 2.531 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:146 Resp: 9240

Ion	Ratio	Lower	Upper
146	100		
111	49.0	31.5	47.3#
148	60.1	53.5	80.3

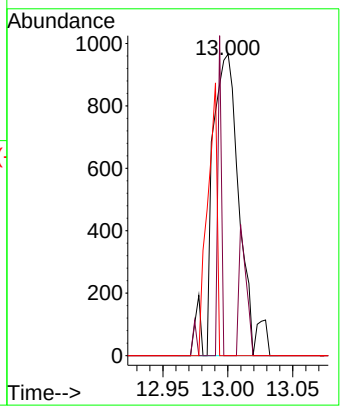




#68
1,2-Dibromo-3-chloropropane
Concen: 2.268 ug/L
RT: 13.000 min Scan# 3
Delta R.T. 0.006 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 75 Resp: 140

Ion	Ratio	Lower	Upper
75	100		
155	0.0	80.6	121.0#
157	0.0	106.5	159.7#



Instrument :
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ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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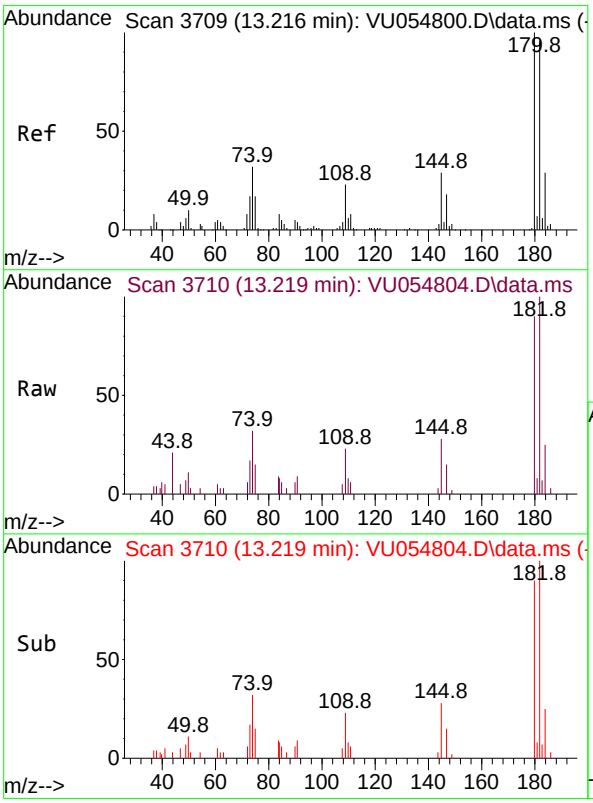
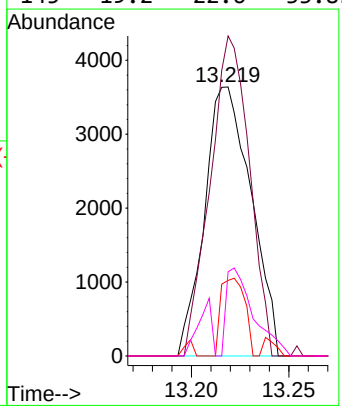
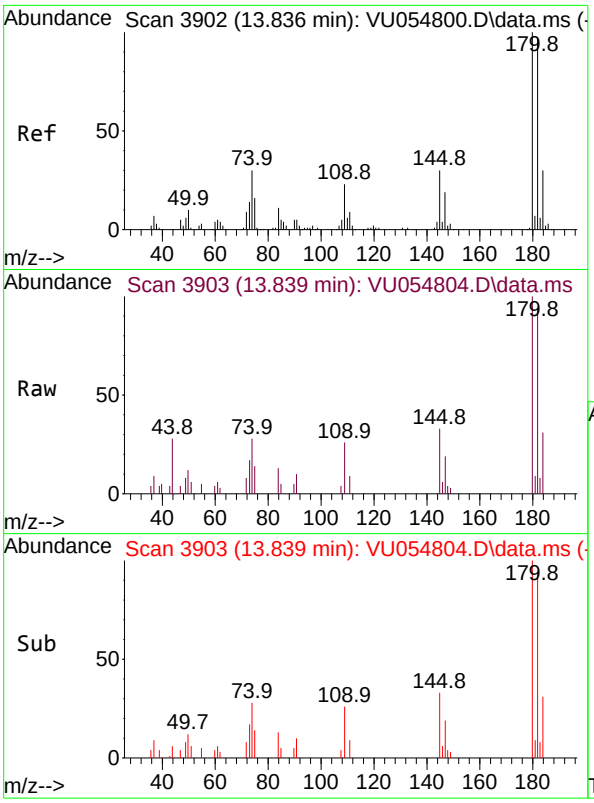


#69
1,3,5-Trichlorobenzene
Concen: 2.484 ug/L
RT: 13.219 min Scan# 3710
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:180 Resp: 6050

Ion	Ratio	Lower	Upper
180	100		
182	100.3	76.7	115.1
184	14.8	23.4	35.0#
145	19.2	22.6	33.8#

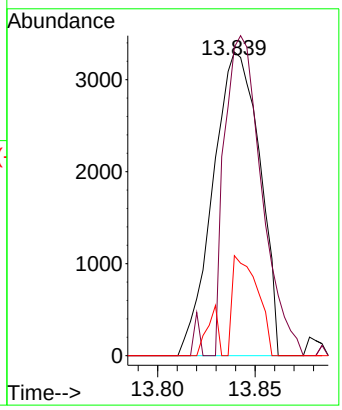




#70
1,2,4-trichlorobenzene
Concen: 2.615 ug/L
RT: 13.839 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:180 Resp: 549

Ion	Ratio	Lower	Upper
180	100		
182	83.4	76.8	115.2
145	17.7	23.0	34.6#



Instrument :
MSVOA_U
ClientSampleId :
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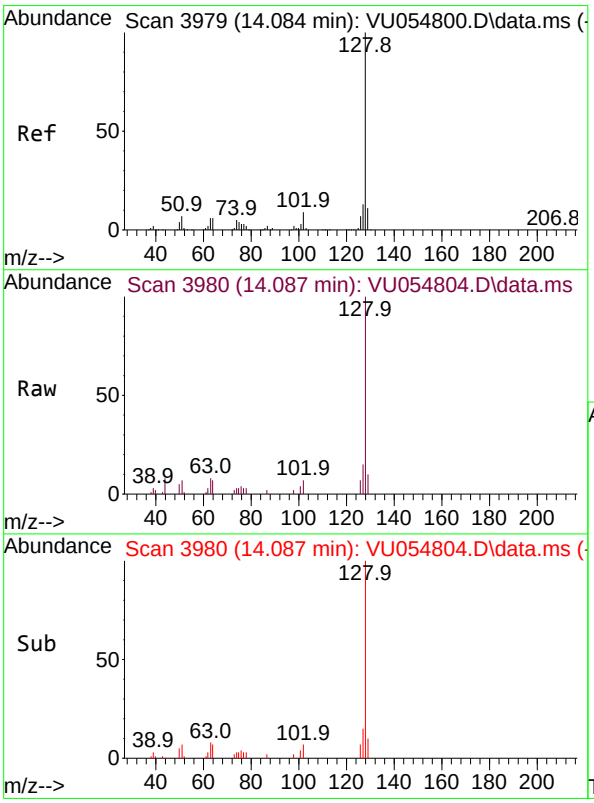
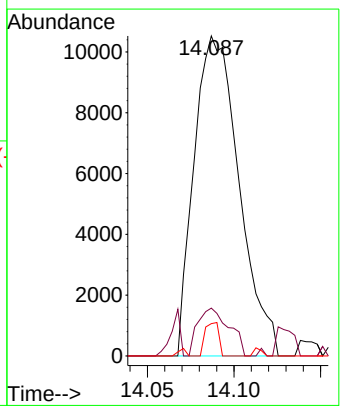
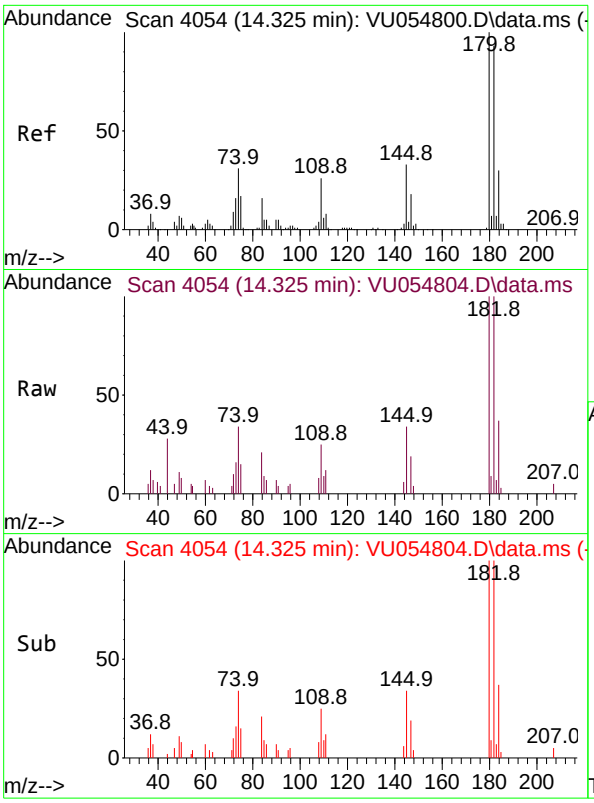


#71
Naphthalene
Concen: 2.749 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:128 Resp: 18974

Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.0	15.0
129	3.2	8.6	13.0#

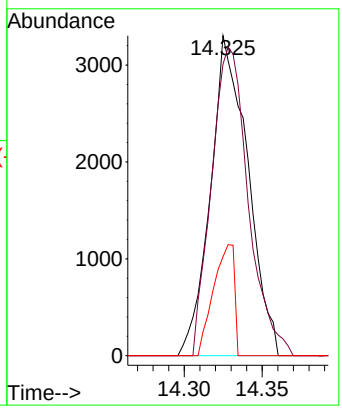




#72
1,2,3-Trichlorobenzene
Concen: 2.679 ug/L
RT: 14.325 min Scan# 4
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:180 Resp: 548

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	115.0
145	19.5	25.4	38.2#



Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

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