

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111924\
 Data File : VX043902.D
 Acq On : 19 Nov 2024 15:58
 Operator : JC/MD
 Sample : P4776-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Nov 20 00:02:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 19 23:30:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/20/2024
 Supervised By : Mahesh Dadoda 11/20/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	325682	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	227984	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	96333	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	104832	40.346	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.700%		
7) Chloroethane-d5	1.642	69	47654	43.491	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.980%		
11) 1,1-Dichloroethene-d2	2.294	65	40669	38.944	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.880%		
21) 2-Butanone-d5	4.465	46	134200	85.948	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.950%		
24) Chloroform-d	5.050	84	193016	40.089	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.180%		
26) 1,2-Dichloroethane-d4	5.952	65	130762	40.911	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.820%		
32) Benzene-d6	5.971	84	393192	52.298	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.600%		
36) 1,2-Dichloropropane-d6	7.306	67	122040	53.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	107.420%		
41) Toluene-d8	8.647	98	312176	47.334	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.660%		
43) trans-1,3-Dichloroprop...	8.952	79	50192	48.812	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.620%		
47) 2-Hexanone-d5	9.385	63	81128	95.628	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.630%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	135111	47.158	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.320%		
66) 1,2-Dichlorobenzene-d4	12.317	152	93786	45.865	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5639	2.110	ug/L	90
3) Chloromethane	1.295	50	6401	2.343	ug/L	98
5) Vinyl chloride	1.374	62	6585	2.370	ug/L #	77
6) Bromomethane	1.593	94	2508	2.168	ug/L	72
8) Chloroethane	1.666	64	2478	2.004	ug/L	97
9) Trichlorofluoromethane	1.868	101	8349	2.246	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	6170	2.785	ug/L	87
12) 1,1-Dichloroethene	2.307	96	5603	2.777	ug/L #	1
13) Acetone	2.392	43	6759	4.924	ug/L	95
14) Carbon disulfide	2.496	76	8145	1.899	ug/L	99
15) Methyl Acetate	2.703	43	5857	2.281	ug/L	99
16) Methylene chloride	2.776	84	5777	2.442	ug/L	96
17) trans-1,2-Dichloroethene	3.081	96	4618	2.137	ug/L	82
18) Methyl tert-butyl Ether	3.117	73	17852	2.232	ug/L	99
19) 1,1-Dichloroethane	3.599	63	9542	2.216	ug/L	93
20) cis-1,2-Dichloroethene	4.471	96	5814	2.213	ug/L	84
22) 2-Butanone	4.581	43	9235m	5.048	ug/L	
23) Bromochloromethane	4.916	128	3130m	2.315	ug/L	
27) 1,2-Dichloroethane	6.092	62	8182	2.206	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.458	56	8145	2.747	ug/L	94
30) 1,1,1-Trichloroethane	5.373	97	8217	2.612	ug/L #	85
31) Carbon tetrachloride	5.672	117	6146	2.409	ug/L	100
33) Benzene	6.031	78	21109	2.770	ug/L	100
35) Methylcyclohexane	7.373	83	8058	2.818	ug/L	95
37) 1,2-Dichloropropane	7.434	63	5450	2.755	ug/L	99
38) Bromodichloromethane	7.824	83	5617	2.264	ug/L #	83
39) cis-1,3-Dichloropropene	8.366	75	8206	2.633	ug/L	89
40) 4-Methyl-2-pentanone	8.580	43	13613	5.027	ug/L	99
42) Toluene	8.720	91	17399	2.265	ug/L	89
44) trans-1,3-Dichloropropene	8.976	75	6584	2.350	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	5185	2.666	ug/L	97
46) Tetrachloroethene	9.275	164	3763	2.761	ug/L	85
48) 2-Hexanone	9.439	43	11565	5.658	ug/L #	93
49) Dibromochloromethane	9.519	129	4066	2.261	ug/L	92
50) 1,2-Dibromoethane	9.610	107	4995	2.438	ug/L	100
51) Chlorobenzene	10.080	112	11301	2.372	ug/L	95
52) Ethylbenzene	10.195	91	19498	2.409	ug/L	96
53) m,p-Xylene	10.305	106	7157	2.380	ug/L	95
54) o-Xylene	10.640	106	7211	2.382	ug/L	92
55) Styrene	10.659	104	10591	2.114	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	8412	2.889	ug/L	92
59) Bromoform	10.799	173	2173	2.013	ug/L	99
60) Isopropylbenzene	10.964	105	17531	2.309	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	5586	2.545	ug/L	93
62) 1,3,5-Trimethylbenzene	11.451	105	14047	2.342	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	13098	2.190	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	7745	2.432	ug/L	94
65) 1,4-Dichlorobenzene	12.036	146	7887	2.494	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	8708	2.641	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.951	75	1155	2.103	ug/L	93
69) 1,3,5-Trichlorobenzene	13.116	180	4531	2.205	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	3954	2.087	ug/L	96
71) Naphthalene	13.774	128	14307	2.030	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	4041	2.116	ug/L	93

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

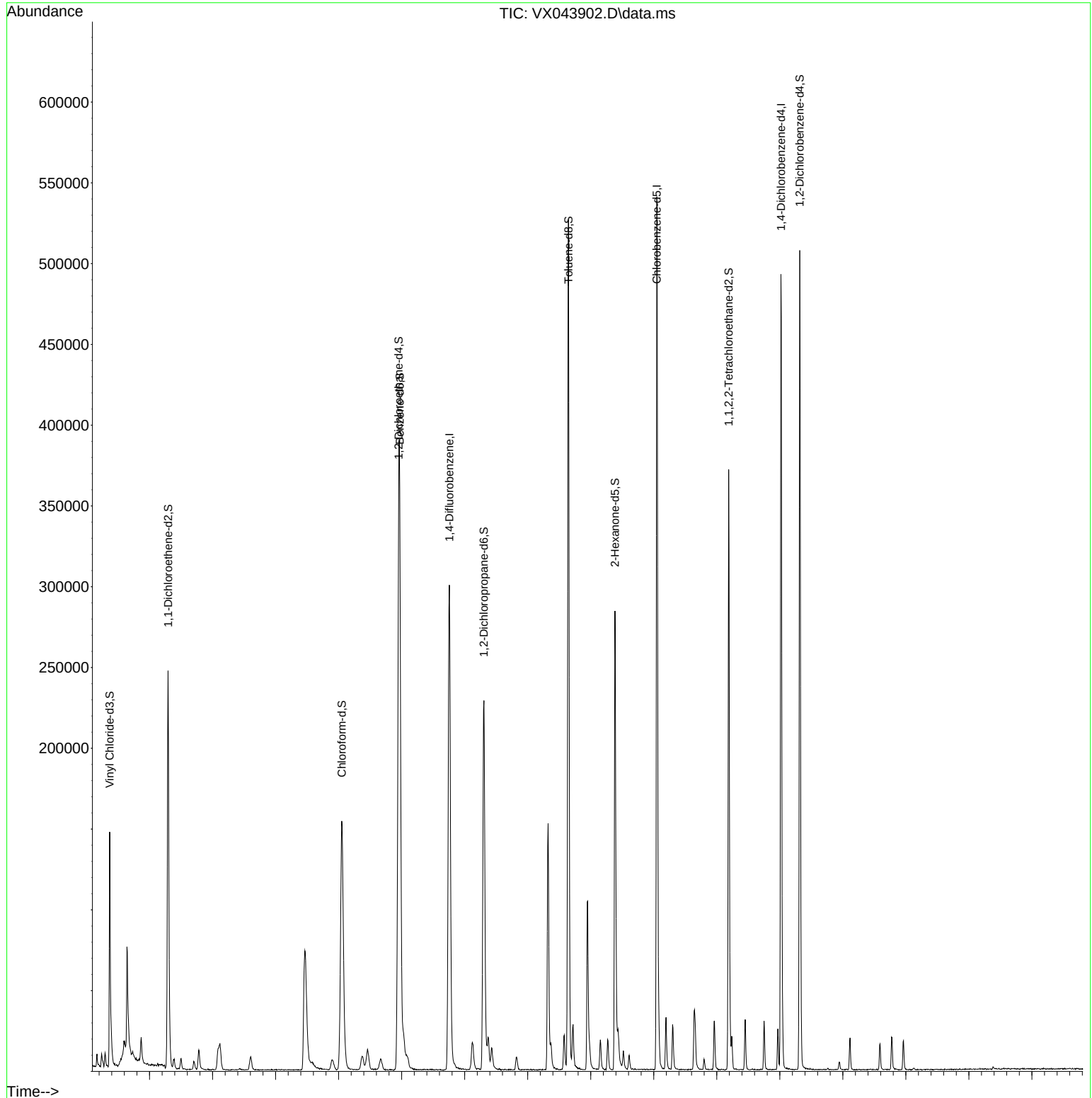
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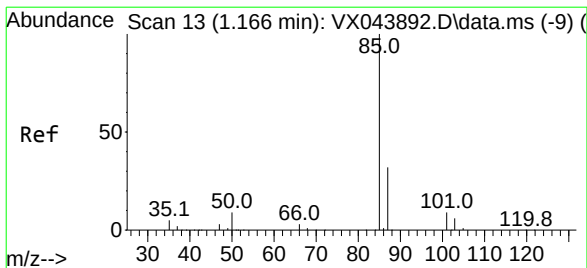
Instrument :
MSVOA_X
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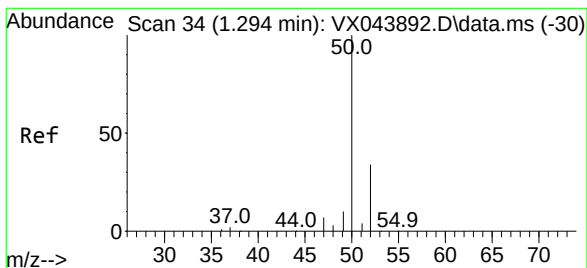
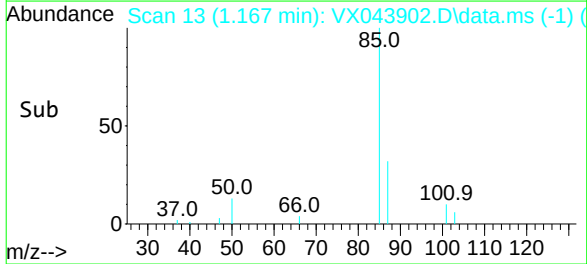
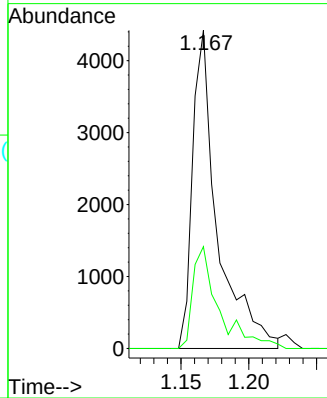
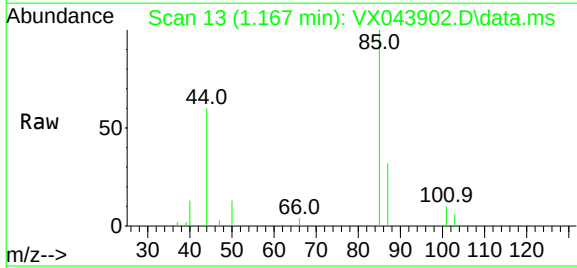
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Dichlorodifluoromethane
Concen: 2.110 ug/L
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 85 Resp: 5639
Ion Ratio Lower Upper
85 100
87 27.1 26.1 39.1

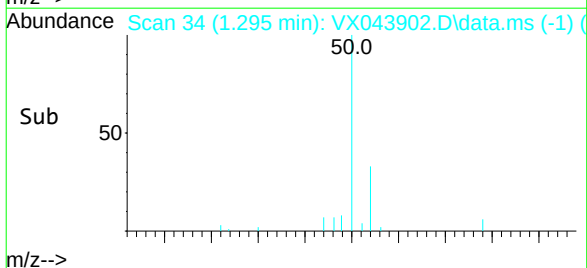
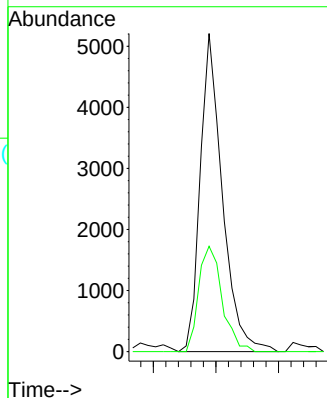
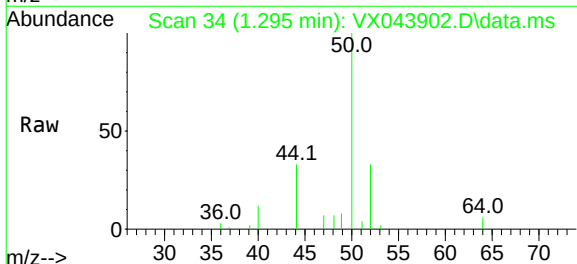
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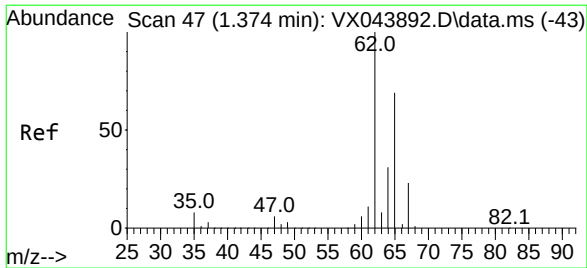
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#3
Chloromethane
Concen: 2.343 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

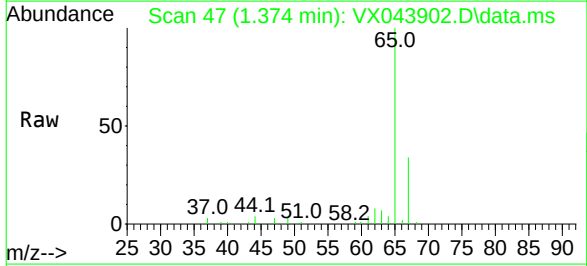
Tgt Ion: 50 Resp: 6401
Ion Ratio Lower Upper
50 100
52 33.1 23.9 44.3





#5
 Vinyl chloride
 Concen: 2.370 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX043902.D
 Acq: 19 Nov 2024 15:58

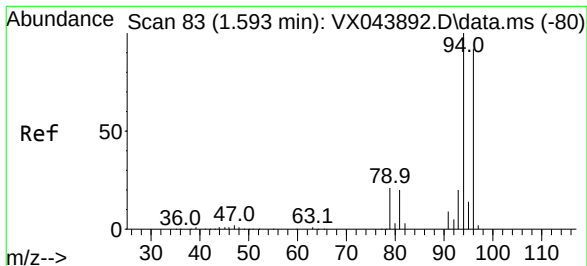
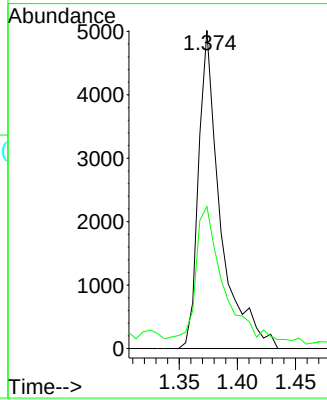
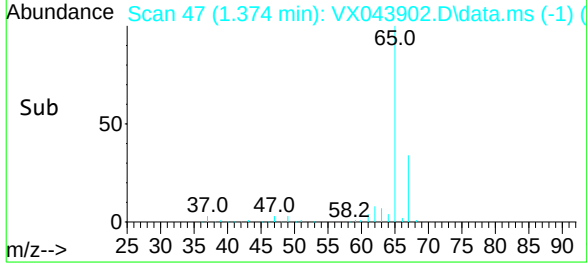
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 62 Resp: 6585
 Ion Ratio Lower Upper
 62 100
 64 44.6 22.2 41.2#

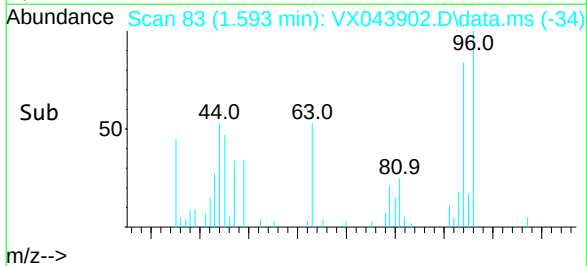
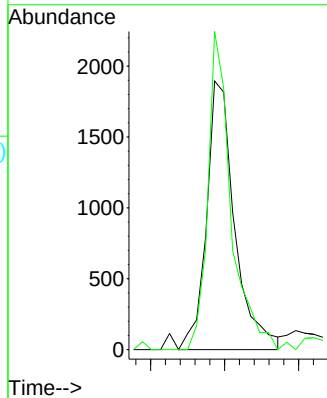
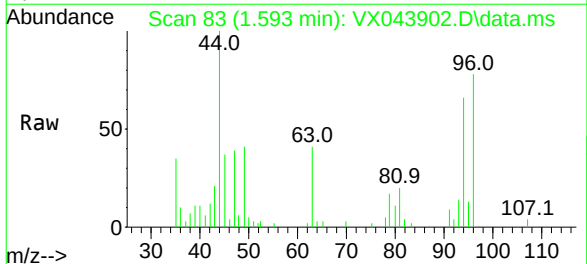
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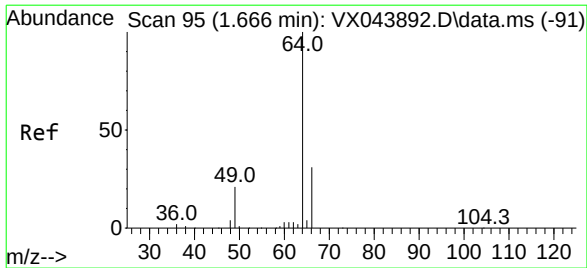
Reviewed By :John Carlone 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024



#6
 Bromomethane
 Concen: 2.168 ug/L
 RT: 1.593 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VX043902.D
 Acq: 19 Nov 2024 15:58

Tgt Ion: 94 Resp: 2508
 Ion Ratio Lower Upper
 94 100
 96 118.4 64.2 119.2

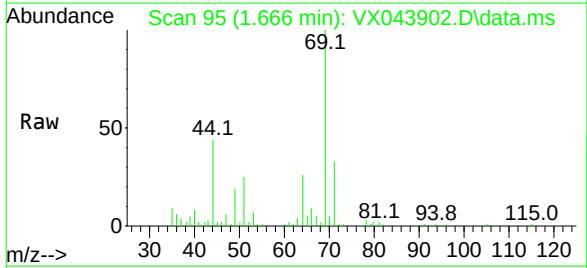




#8
Chloroethane

Concen: 2.004 ug/L
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

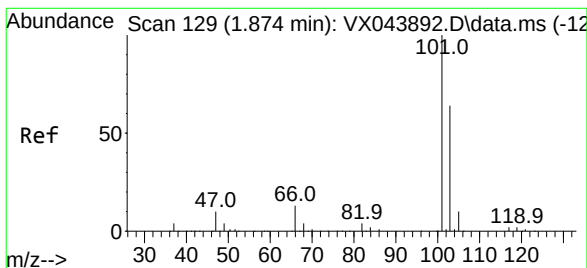
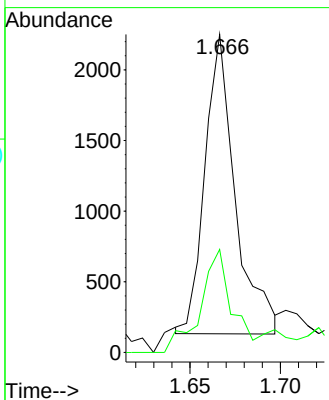
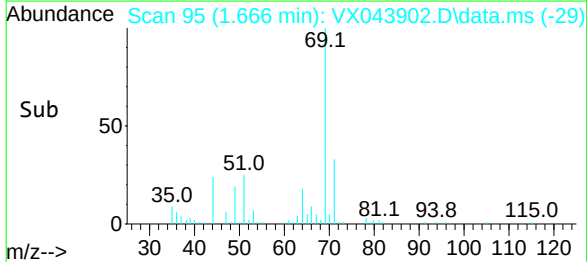
Instrument :
MSVOA_X
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MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 64 Resp: 2478
Ion Ratio Lower Upper
64 100
66 32.4 21.5 39.9

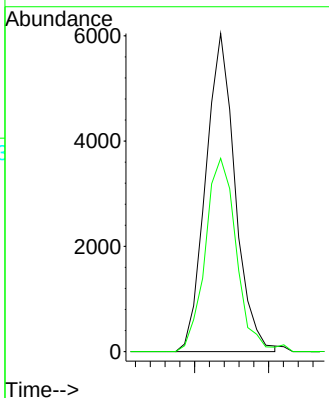
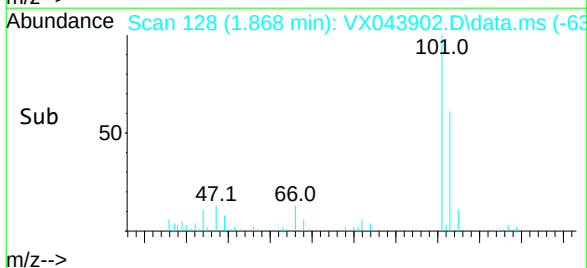
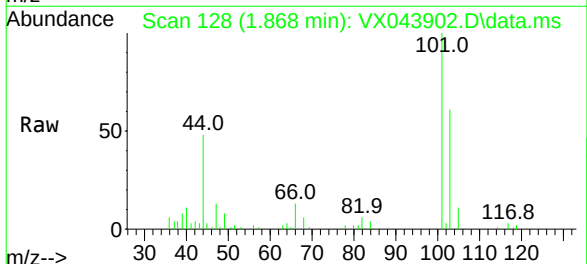
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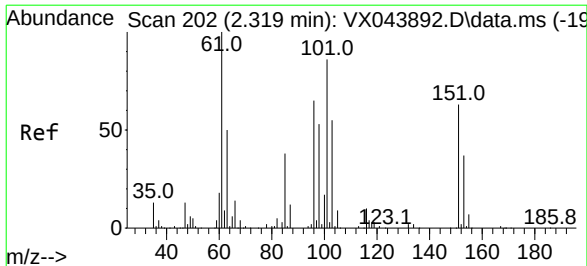
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#9
Trichlorofluoromethane
Concen: 2.246 ug/L
RT: 1.868 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX043902.D
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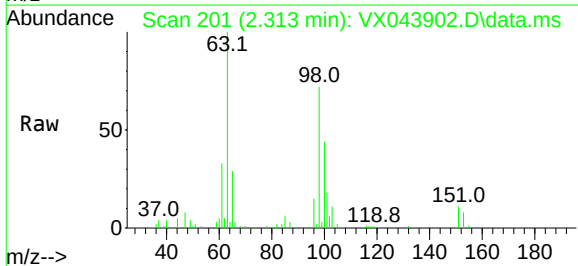
Tgt Ion:101 Resp: 8349
Ion Ratio Lower Upper
101 100
103 63.8 50.8 76.2





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.785 ug/L
RT: 2.313 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX043902.D
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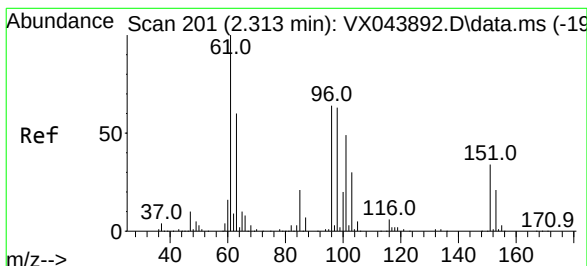
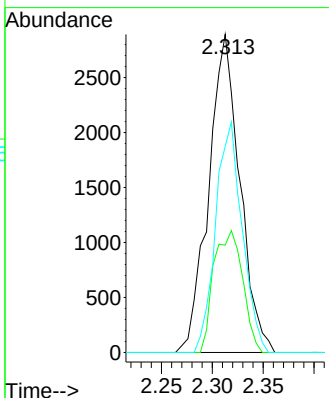
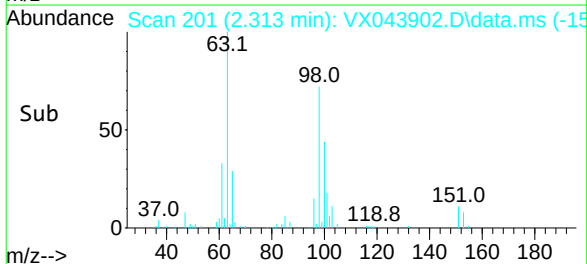
Instrument :
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Tgt Ion: 101 Resp: 6170
Ion Ratio Lower Upper
101 100
85 35.4 33.9 50.9
151 61.6 58.5 87.7

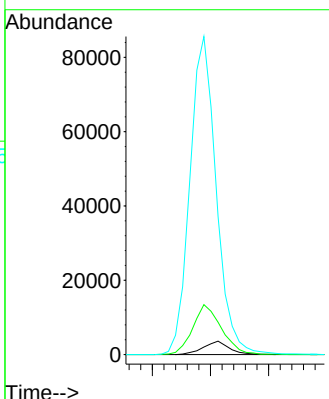
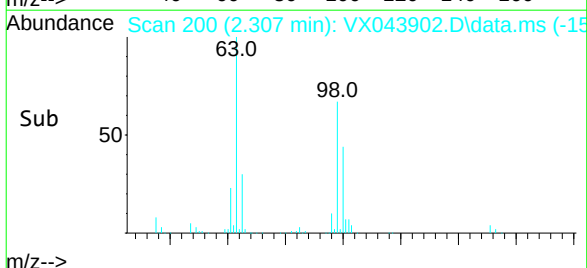
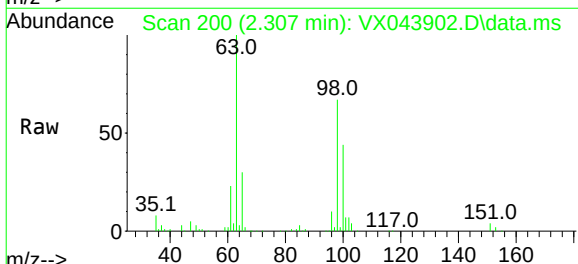
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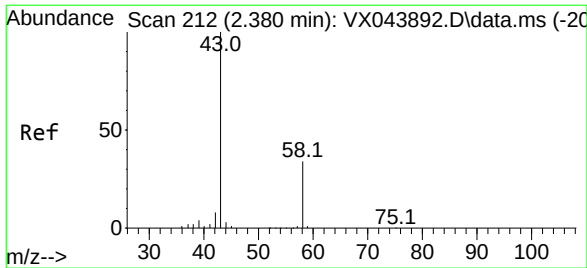
Reviewed By : John Carlone 11/20/2024
Supervised By : Mahesh Dadoda 11/20/2024



#12
1,1-Dichloroethene
Concen: 2.777 ug/L
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion: 96 Resp: 5603
Ion Ratio Lower Upper
96 100
61 240.4 109.3 203.1#
63 1026.1 65.7 122.1#





#13

Acetone

Concen: 4.924 ug/L

RT: 2.392 min Scan# 211

Delta R.T. 0.012 min

Lab File: VX043902.D

Acq: 19 Nov 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

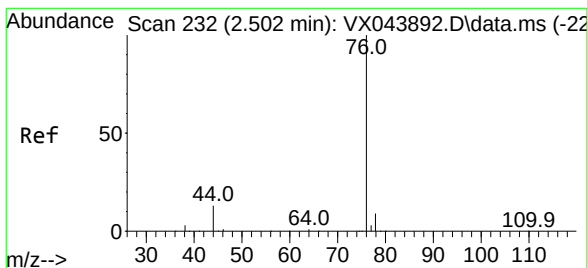
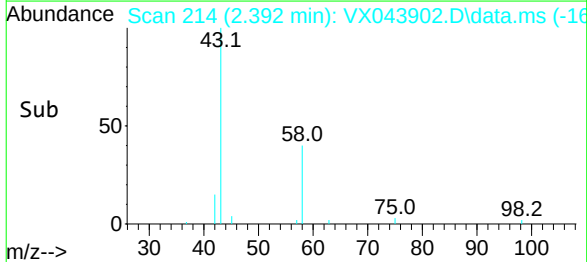
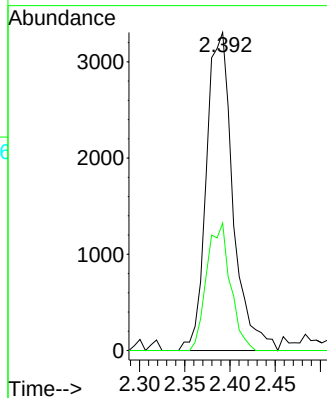
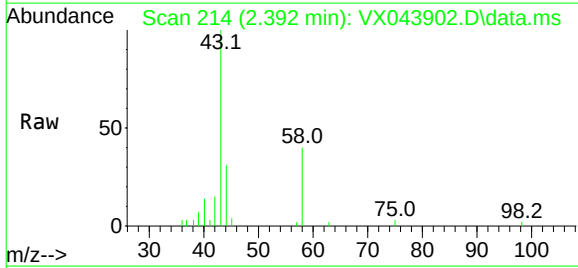
MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 43 Resp: 6759
 Ion Ratio Lower Upper
 43 100
 58 35.7 0.0 66.0

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#14

Carbon disulfide

Concen: 1.899 ug/L

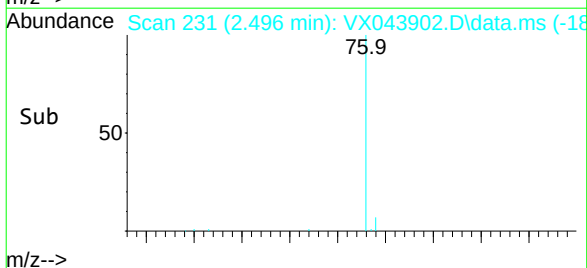
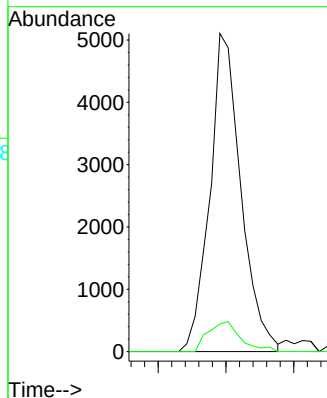
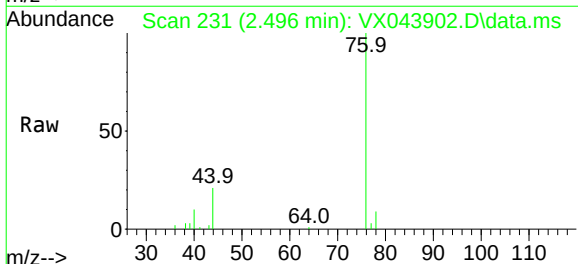
RT: 2.496 min Scan# 231

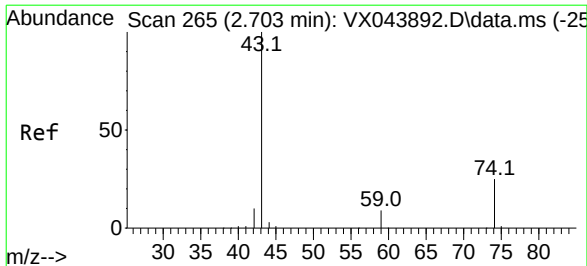
Delta R.T. -0.006 min

Lab File: VX043902.D

Acq: 19 Nov 2024 15:58

Tgt Ion: 76 Resp: 8145
 Ion Ratio Lower Upper
 76 100
 78 8.7 7.2 10.8





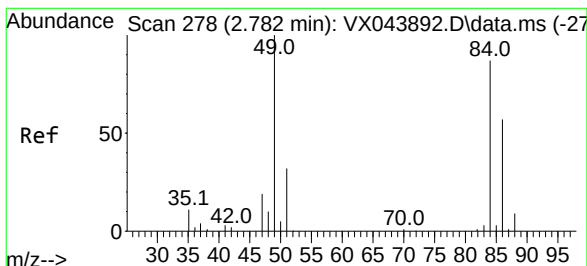
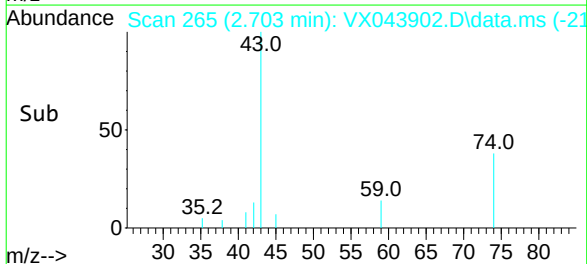
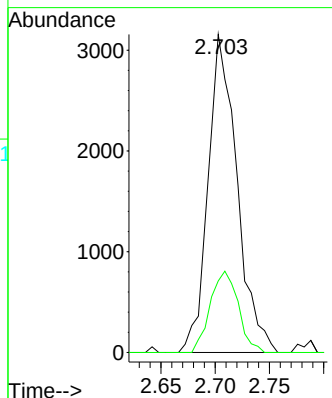
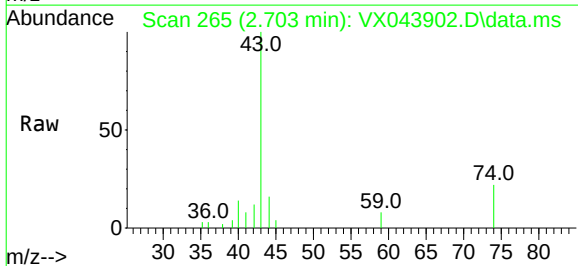
#15
Methyl Acetate
Concen: 2.281 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 43 Resp: 5857
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.2

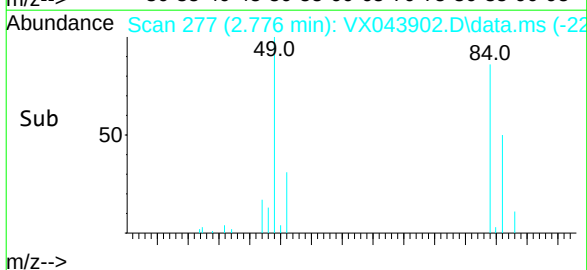
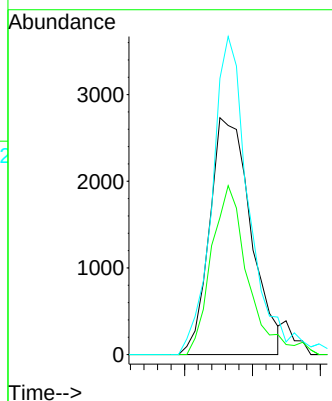
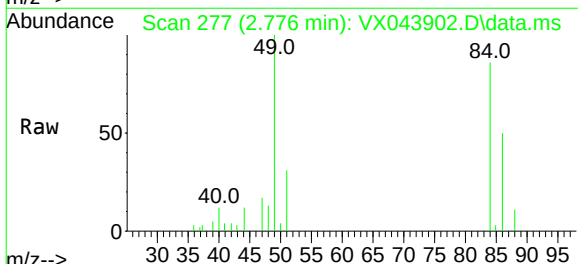
Manual Integrations
APPROVED

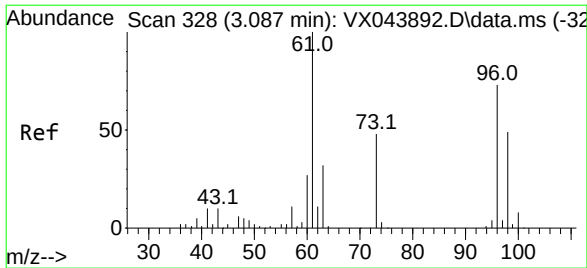
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#16
Methylene chloride
Concen: 2.442 ug/L
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion: 84 Resp: 5777
Ion Ratio Lower Upper
84 100
86 57.8 46.0 85.4
49 116.6 80.8 150.2





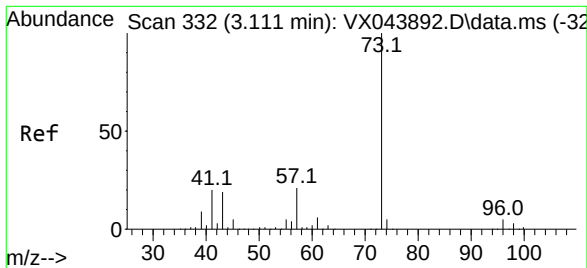
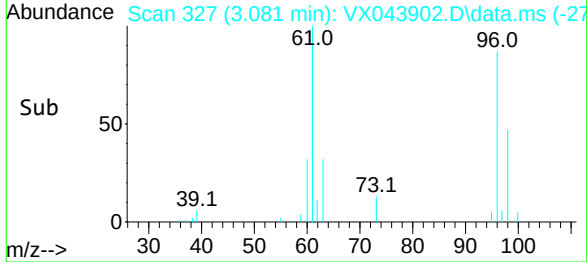
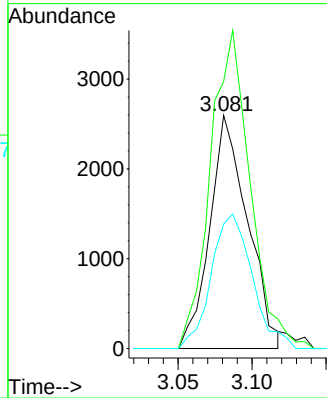
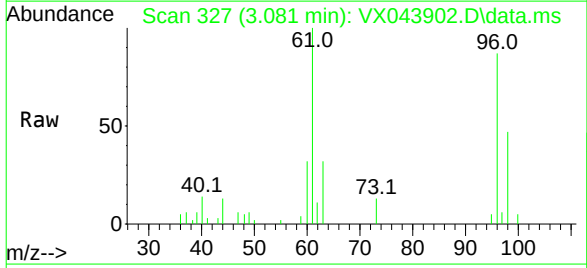
#17
trans-1,2-Dichloroethene
Concen: 2.137 ug/L
RT: 3.081 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	114.5	95.7	177.7
98	53.4	47.2	87.6

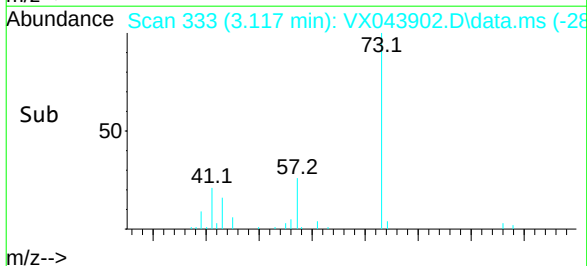
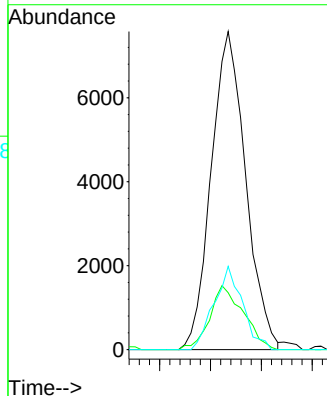
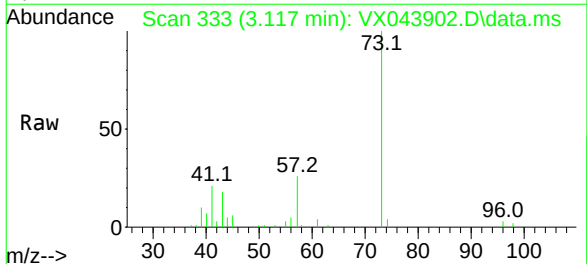
Manual Integrations
APPROVED

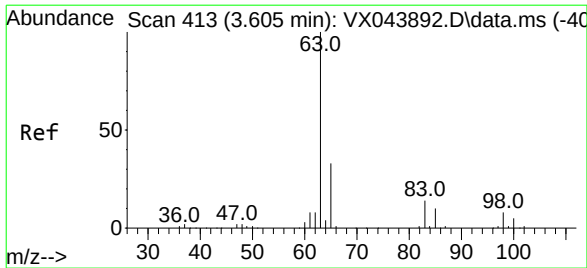
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#18
Methyl tert-butyl Ether
Concen: 2.232 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.2	22.8
57	21.3	17.0	25.6





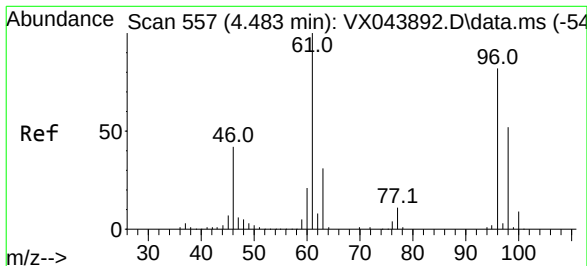
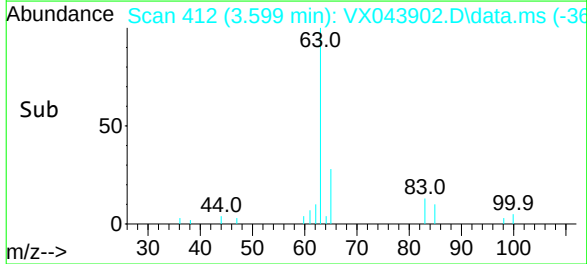
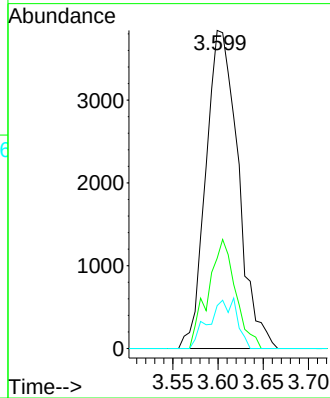
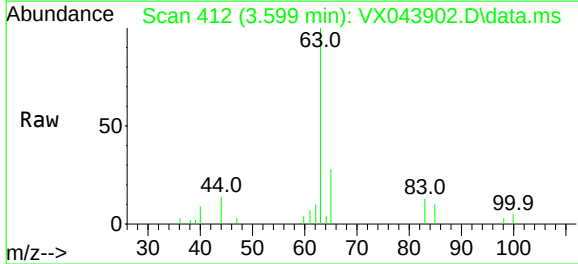
#19
1,1-Dichloroethane
Concen: 2.216 ug/L
RT: 3.599 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 63	Resp: 9542
Ion Ratio	Lower Upper
63 100	
65 28.4	23.2 43.2
83 13.5	10.0 18.6

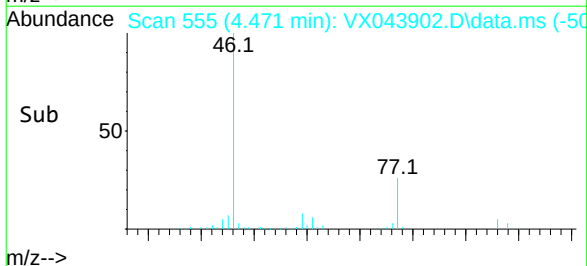
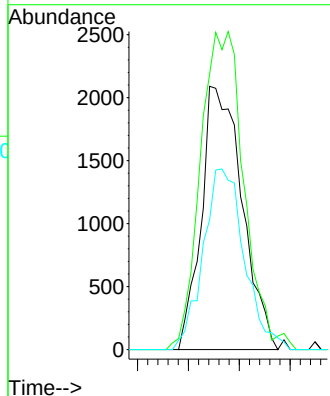
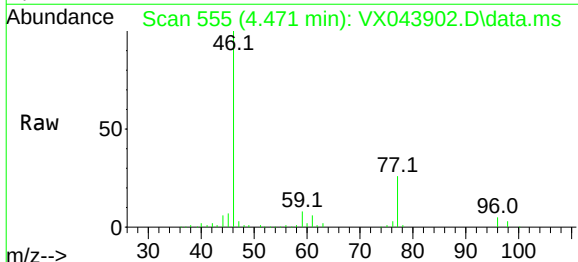
Manual Integrations
APPROVED

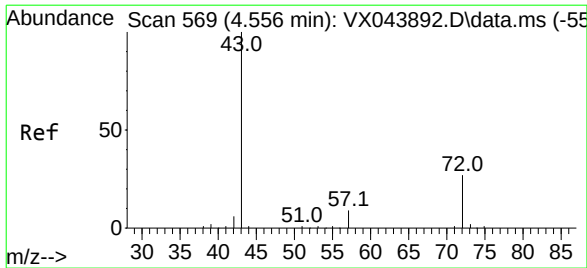
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#20
cis-1,2-Dichloroethene
Concen: 2.213 ug/L
RT: 4.471 min Scan# 555
Delta R.T. -0.012 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

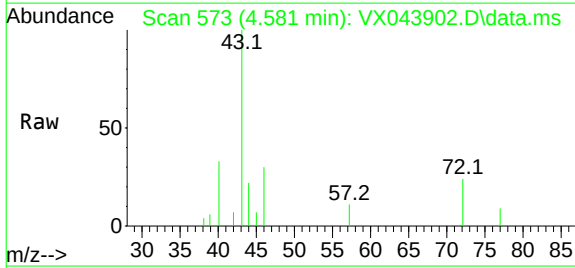
Tgt Ion: 96	Resp: 5814
Ion Ratio	Lower Upper
96 100	
61 104.6	85.0 158.0
98 49.2	44.6 82.8





#22
2-Butanone
Concen: 5.048 ug/L m
RT: 4.581 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

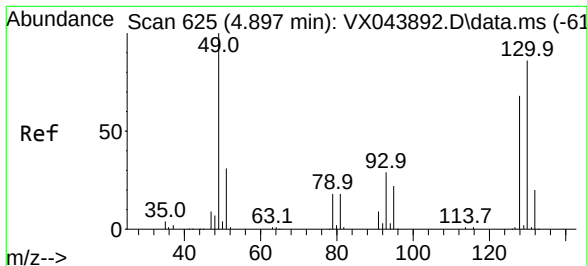
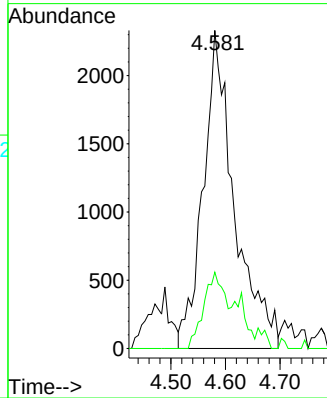
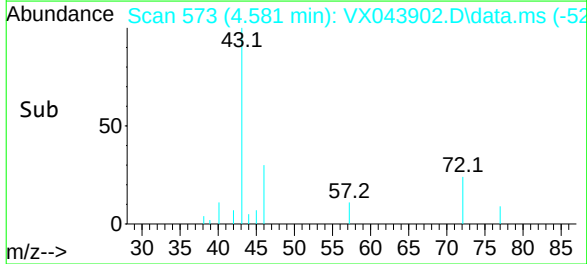
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



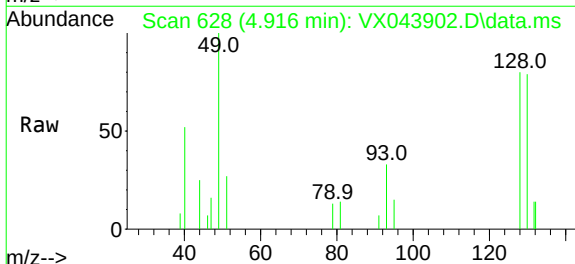
Tgt Ion: 43 Resp: 9235
Ion Ratio Lower Upper
43 100
72 16.1 13.1 39.3

Manual Integrations
APPROVED

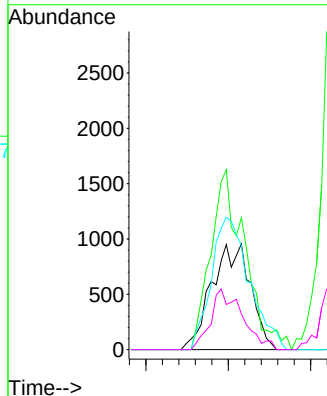
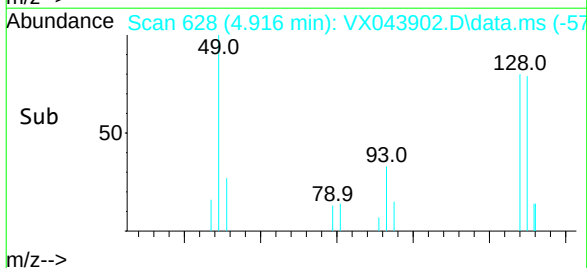
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

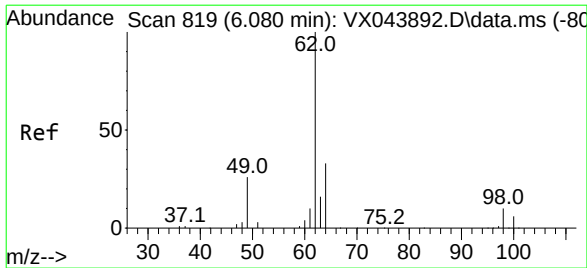


#23
Bromochloromethane
Concen: 2.315 ug/L m
RT: 4.916 min Scan# 628
Delta R.T. 0.018 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58



Tgt Ion:128 Resp: 3130
Ion Ratio Lower Upper
128 100
49 124.6 103.7 192.5
130 98.4 89.1 165.5
51 33.8 36.6 55.0#





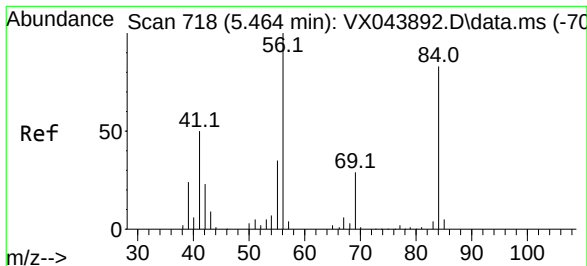
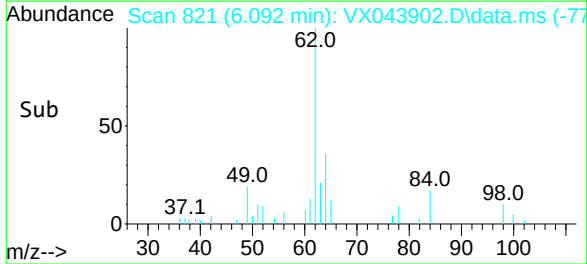
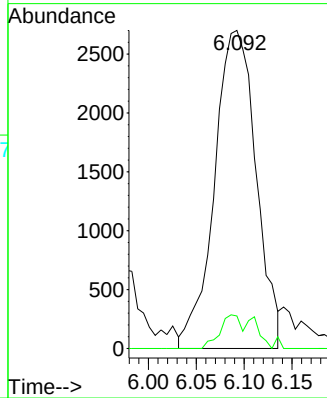
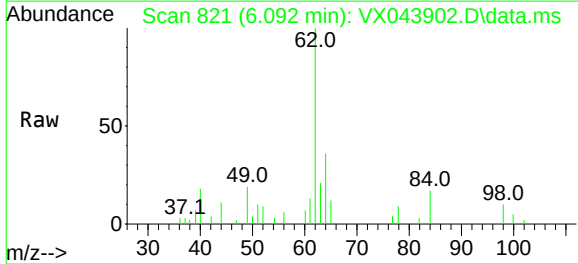
#27
1,2-Dichloroethane
Concen: 2.206 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 62 Resp: 8182
Ion Ratio Lower Upper
62 100
98 10.2 7.7 11.5

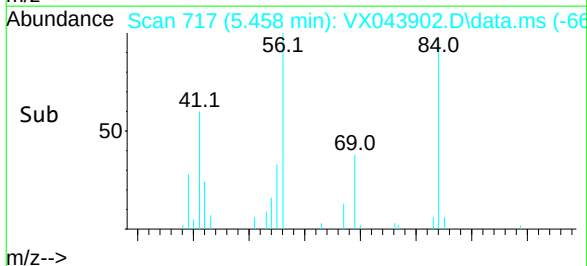
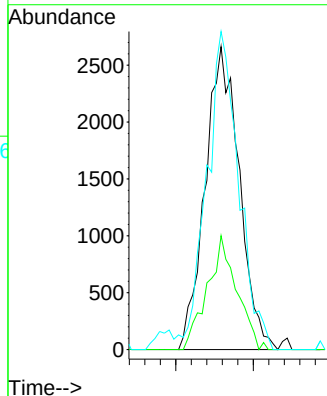
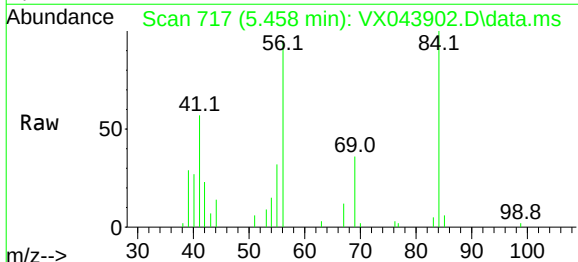
Manual Integrations
APPROVED

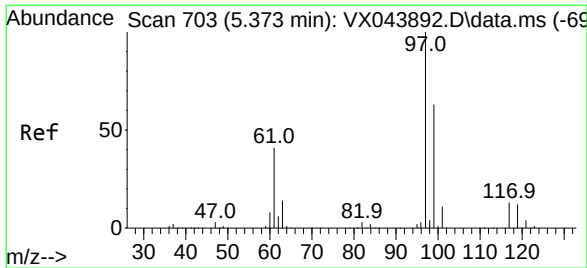
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#29
Cyclohexane
Concen: 2.747 ug/L
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion: 56 Resp: 8145
Ion Ratio Lower Upper
56 100
69 32.1 25.1 37.7
84 98.0 72.9 109.3





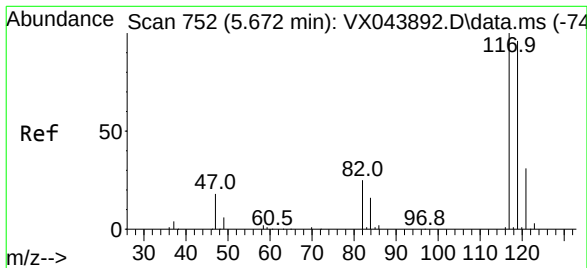
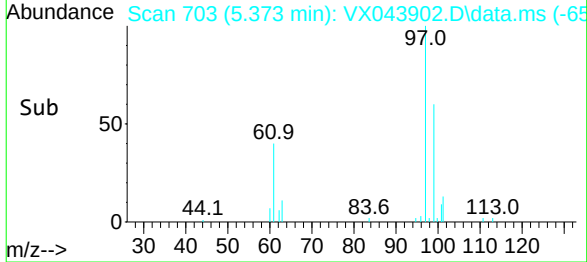
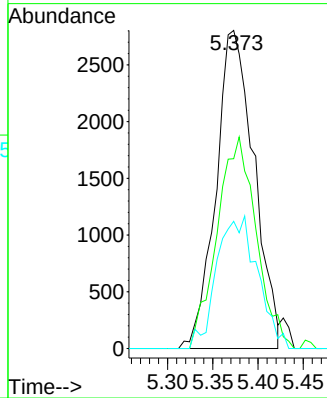
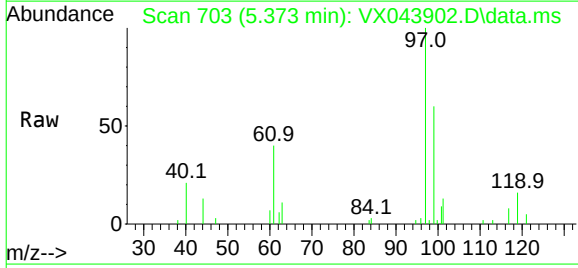
#30
1,1,1-Trichloroethane
Concen: 2.612 ug/L
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 97 Resp: 8217
Ion Ratio Lower Upper
97 100
99 68.3 52.2 78.2
61 21.2 32.8 49.2#

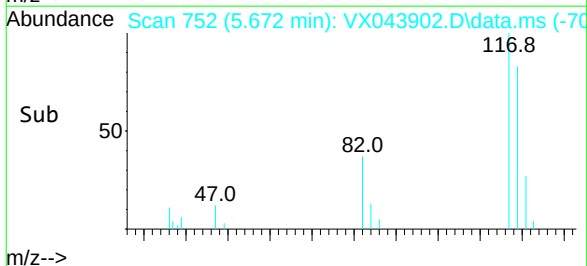
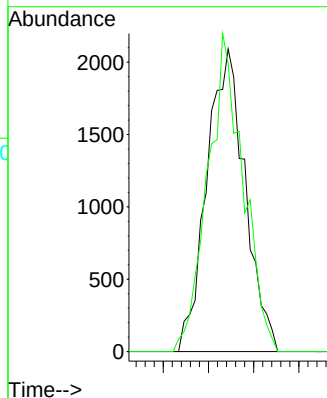
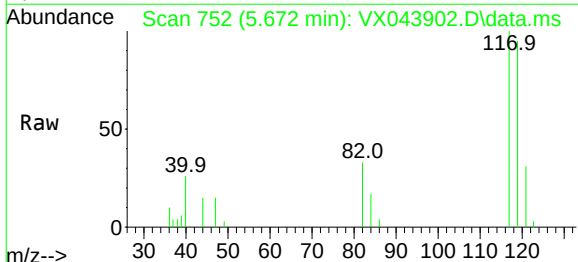
Manual Integrations
APPROVED

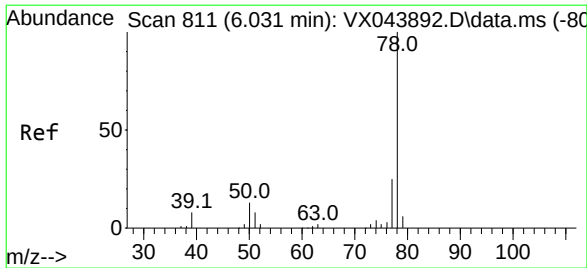
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#31
Carbon tetrachloride
Concen: 2.409 ug/L
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion:117 Resp: 6146
Ion Ratio Lower Upper
117 100
119 97.2 77.7 116.5





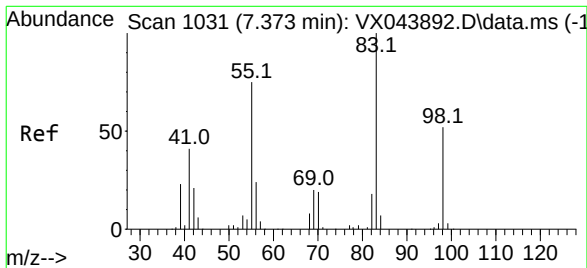
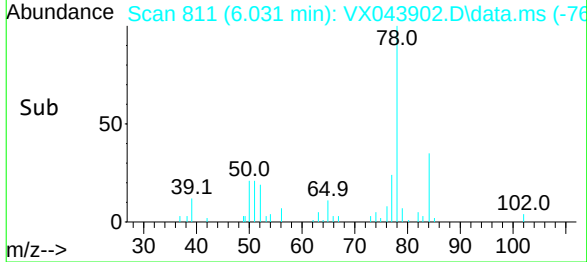
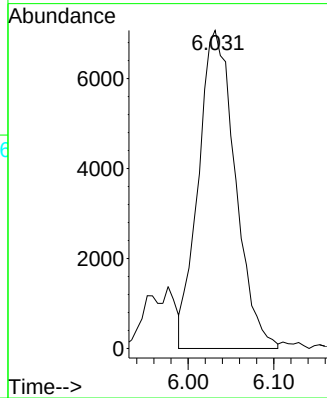
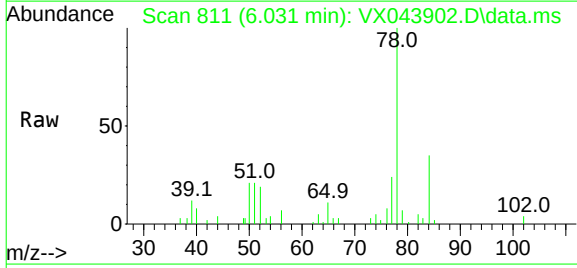
#33
Benzene
Concen: 2.770 ug/L
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 78 Resp: 21109

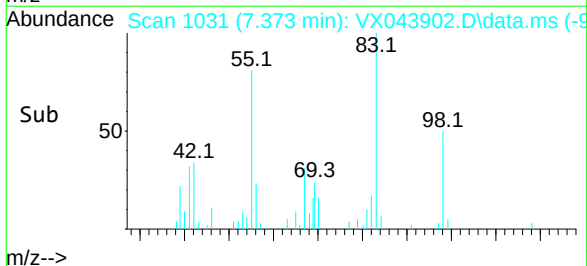
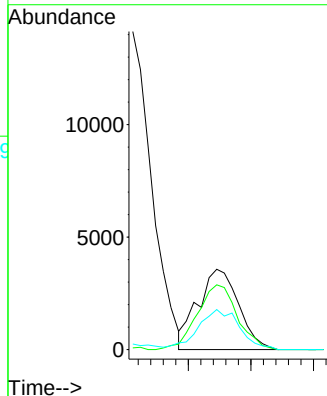
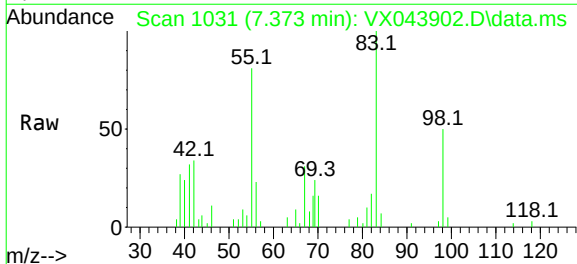
Manual Integrations
APPROVED

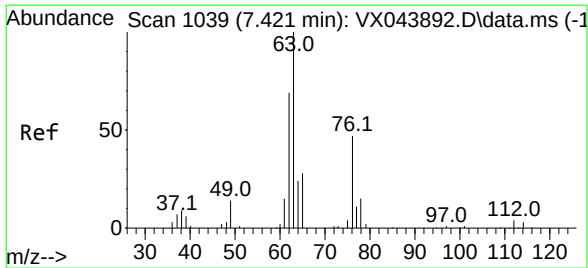
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#35
Methylcyclohexane
Concen: 2.818 ug/L
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

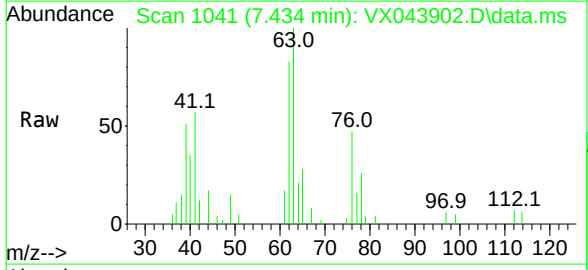
Tgt Ion: 83 Resp: 8058
Ion Ratio Lower Upper
83 100
55 79.3 58.5 87.7
98 50.9 40.5 60.7





#37
 1,2-Dichloropropane
 Concen: 2.755 ug/L
 RT: 7.434 min Scan# 1041
 Delta R.T. 0.012 min
 Lab File: VX043902.D
 Acq: 19 Nov 2024 15:58

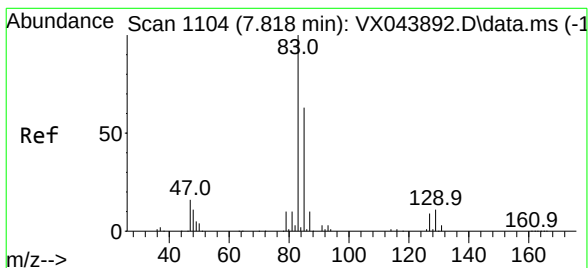
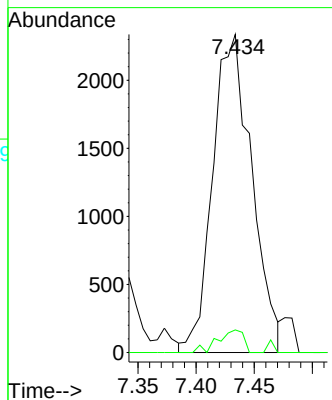
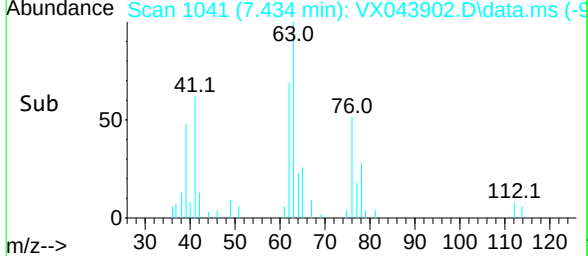
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 63 Resp: 5450
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4

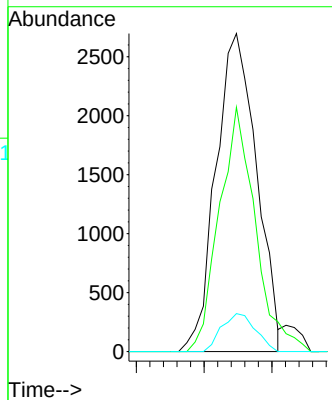
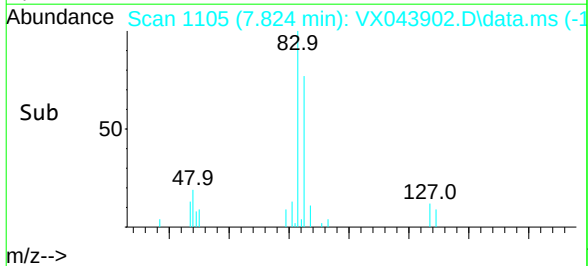
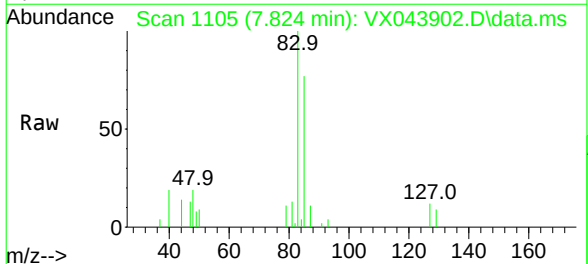
Manual Integrations
APPROVED

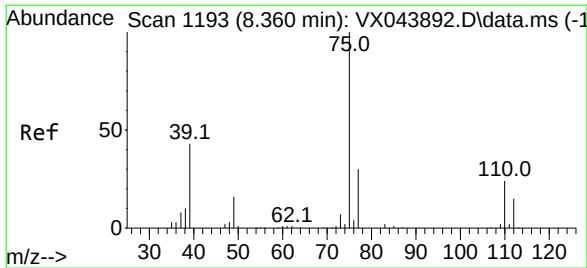
Reviewed By :John Carlone 11/20/2024
 Supervised By :Mahesh Dadoda 11/20/2024



#38
 Bromodichloromethane
 Concen: 2.264 ug/L
 RT: 7.824 min Scan# 1105
 Delta R.T. 0.006 min
 Lab File: VX043902.D
 Acq: 19 Nov 2024 15:58

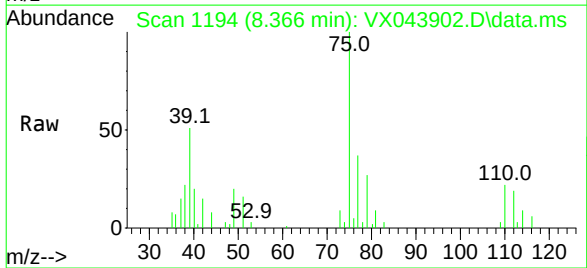
Tgt Ion: 83 Resp: 5617
 Ion Ratio Lower Upper
 83 100
 85 76.8 44.1 81.9
 127 11.9 7.0 10.4





#39
cis-1,3-Dichloropropene
Concen: 2.633 ug/L
RT: 8.366 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

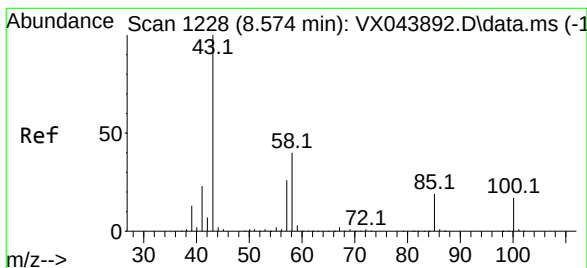
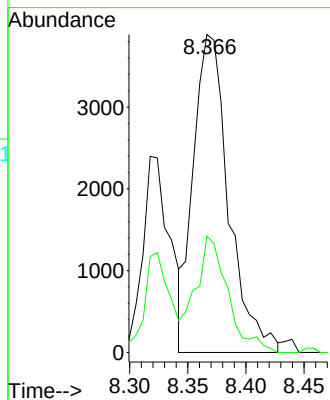
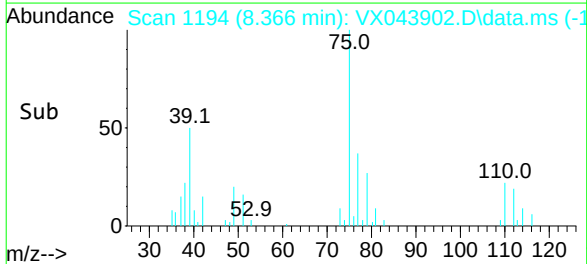
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 75 Resp: 8206
Ion Ratio Lower Upper
75 100
77 36.6 21.6 40.0

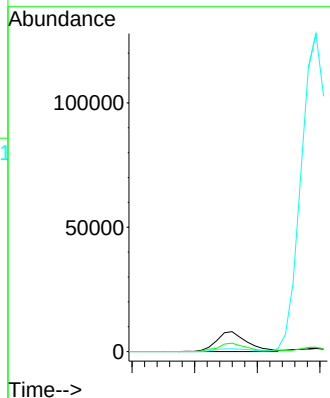
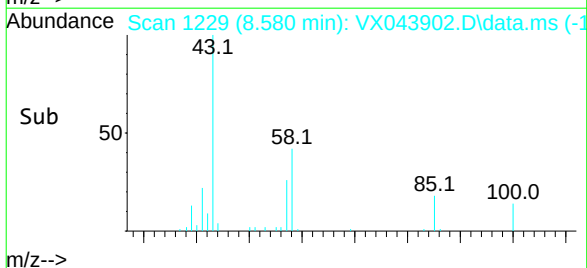
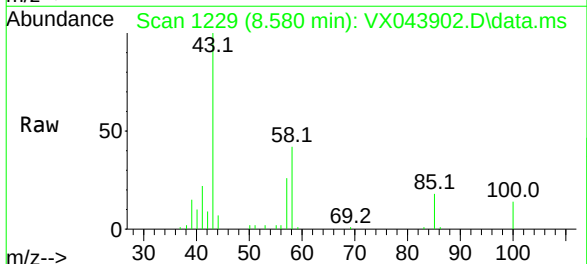
Manual Integrations
APPROVED

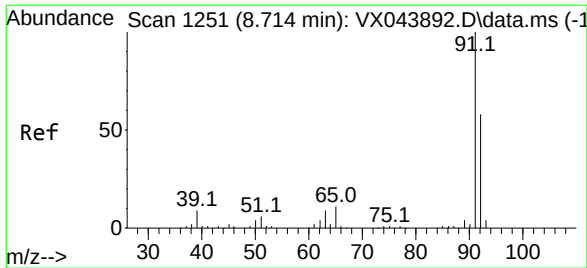
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#40
4-Methyl-2-pentanone
Concen: 5.027 ug/L
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion: 43 Resp: 13613
Ion Ratio Lower Upper
43 100
58 40.8 32.4 48.6
100 15.8 13.7 20.5





#42

Toluene

Concen: 2.265 ug/L

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX043902.D

Acq: 19 Nov 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 91 Resp: 17399

Ion Ratio Lower Upper

91 100

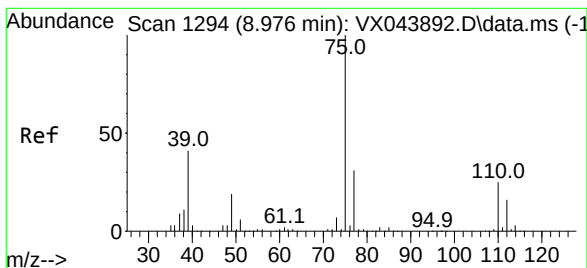
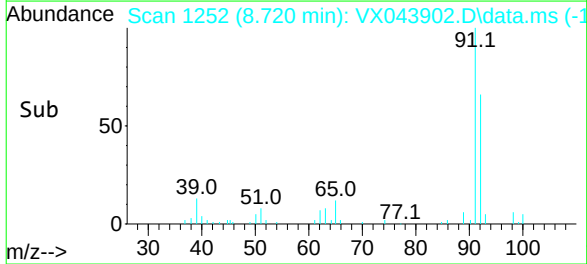
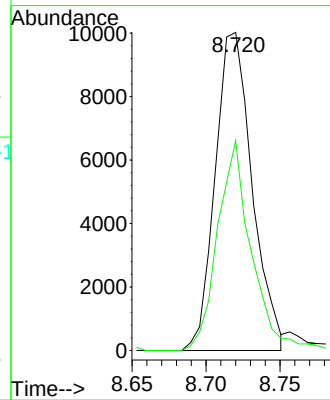
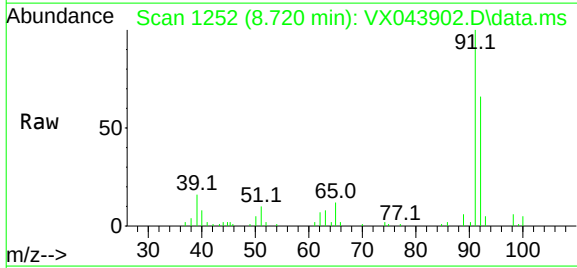
92 66.0 40.7 75.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#44

trans-1,3-Dichloropropene

Concen: 2.350 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043902.D

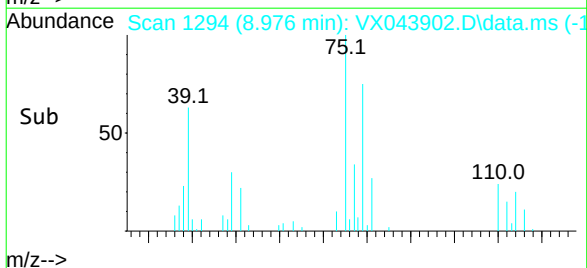
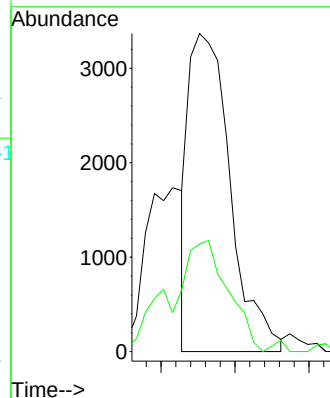
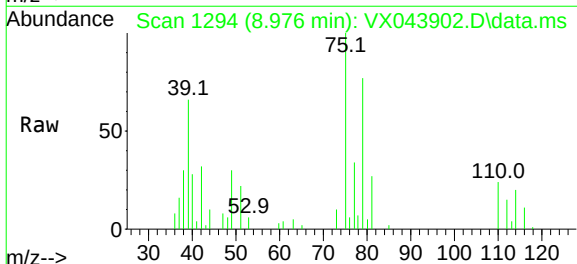
Acq: 19 Nov 2024 15:58

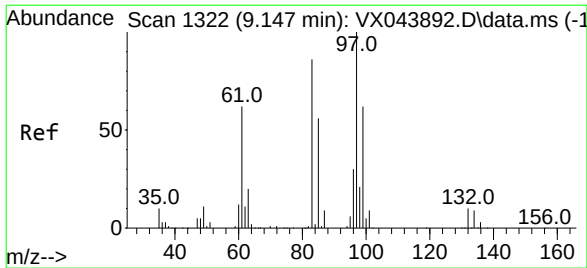
Tgt Ion: 75 Resp: 6584

Ion Ratio Lower Upper

75 100

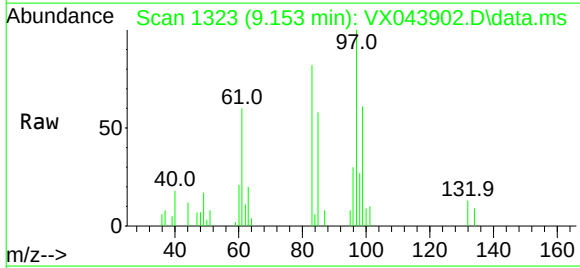
77 33.8 21.8 40.6





#45
1,1,2-Trichloroethane
Concen: 2.666 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

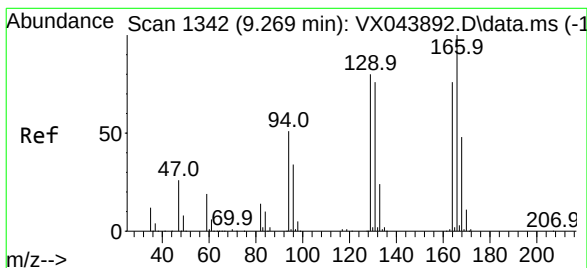
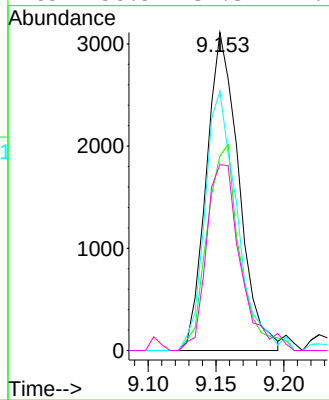
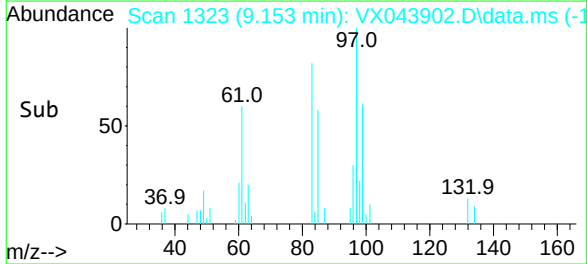
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



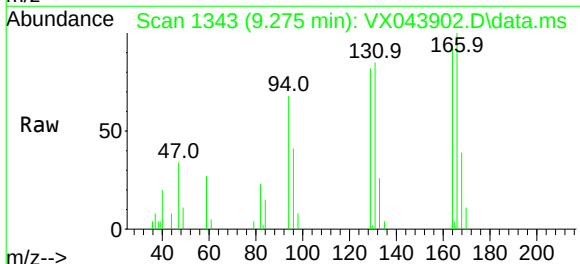
Tgt Ion:	97	Resp:	5185
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.4	80.6
83	81.6	60.2	111.8
85	58.5	39.3	72.9

Manual Integrations
APPROVED

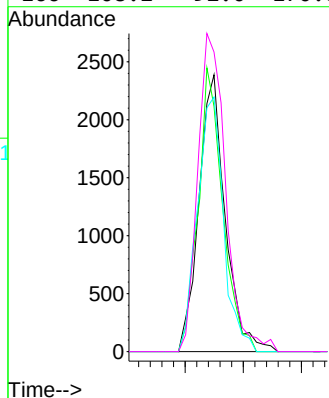
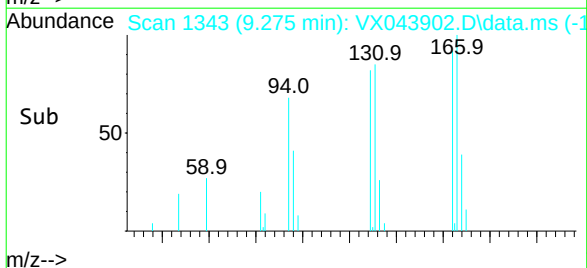
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

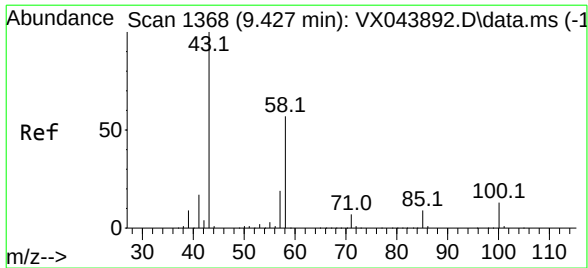


#46
Tetrachloroethene
Concen: 2.761 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58



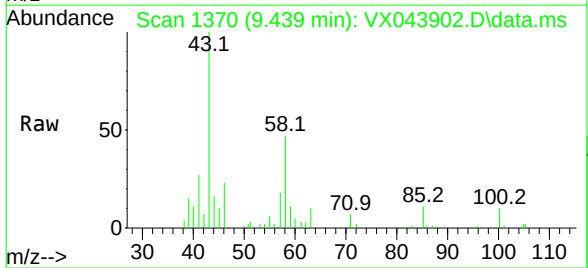
Tgt Ion:	164	Resp:	3763
Ion	Ratio	Lower	Upper
164	100		
129	88.6	73.6	136.6
131	92.0	70.2	130.4
166	108.2	92.0	170.8





#48
2-Hexanone
Concen: 5.658 ug/L
RT: 9.439 min Scan# 1368
Delta R.T. 0.012 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

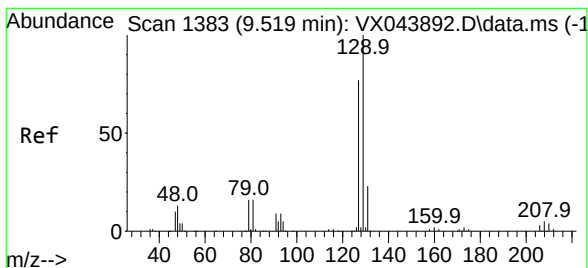
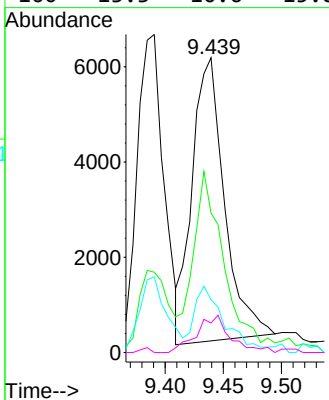
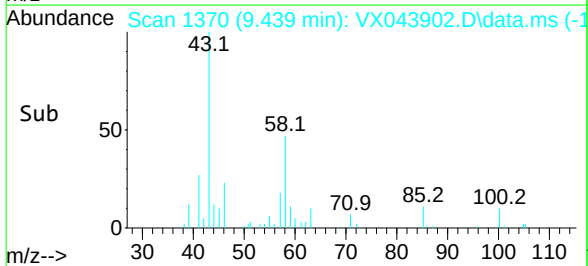
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



Tgt Ion:	43	Resp:	11565
Ion	Ratio	Lower	Upper
43	100		
58	60.5	45.4	68.2
57	11.6	15.4	23.0
100	13.3	10.6	15.8

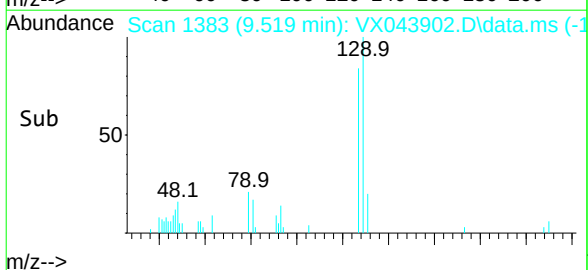
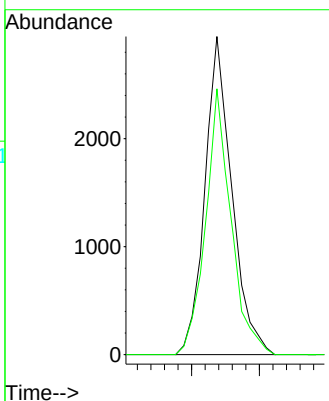
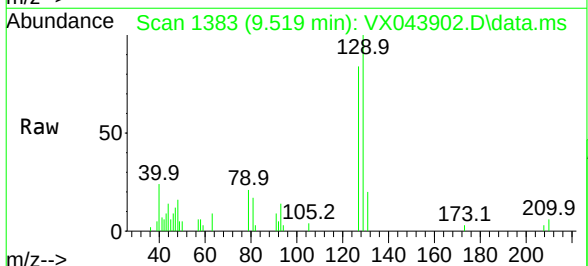
Manual Integrations
APPROVED

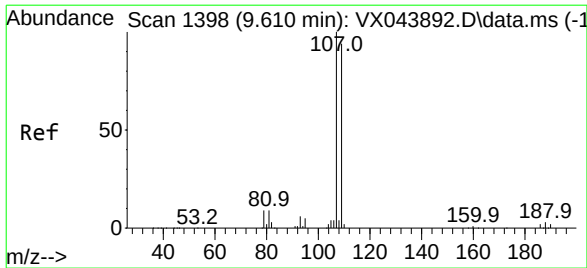
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#49
Dibromochloromethane
Concen: 2.261 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

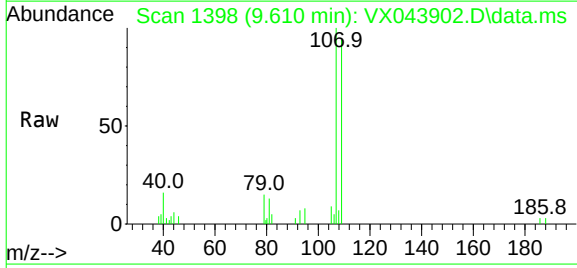
Tgt Ion:	129	Resp:	4066
Ion	Ratio	Lower	Upper
129	100		
127	83.6	53.5	99.5





#50
1,2-Dibromoethane
Concen: 2.438 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

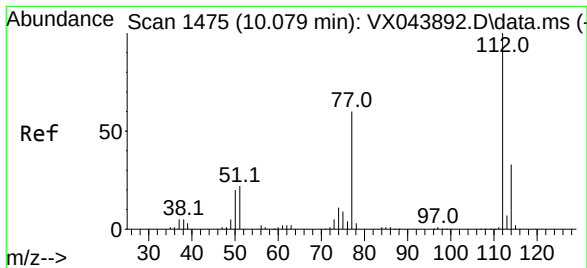
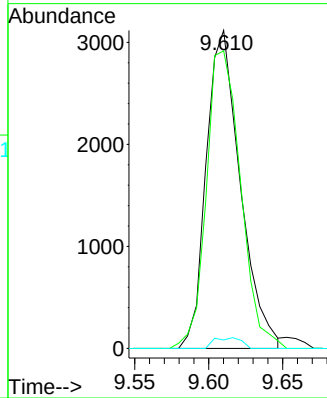
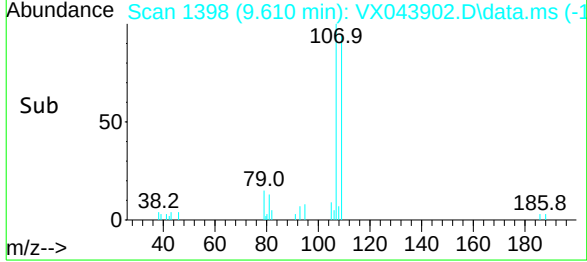
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



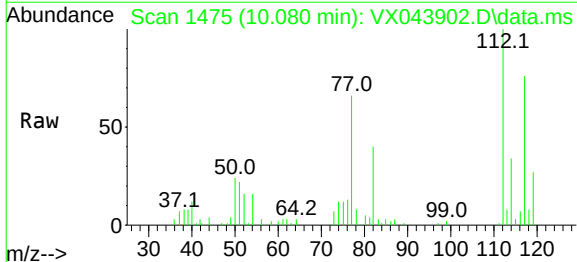
Tgt Ion: 107 Resp: 4995
Ion Ratio Lower Upper
107 100
109 93.6 65.5 121.7
188 2.7 2.6 4.0

Manual Integrations
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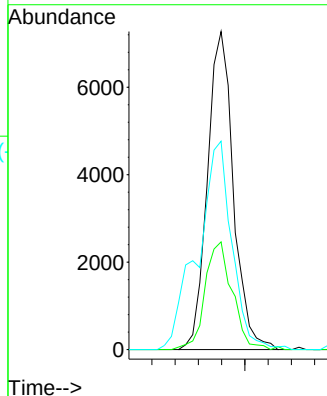
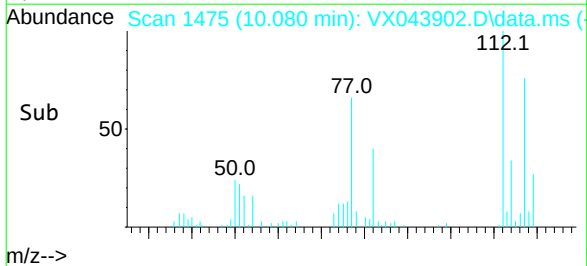
Reviewed By : John Carlone 11/20/2024
Supervised By : Mahesh Dadoda 11/20/2024

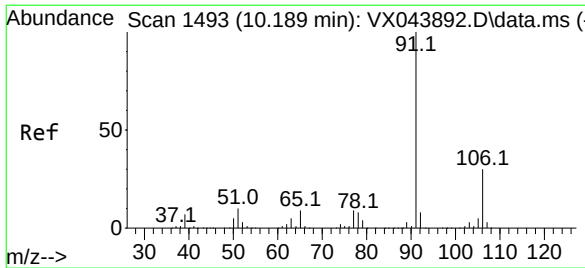


#51
Chlorobenzene
Concen: 2.372 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58



Tgt Ion: 112 Resp: 11301
Ion Ratio Lower Upper
112 100
114 33.9 22.9 42.5
77 65.5 48.0 72.0





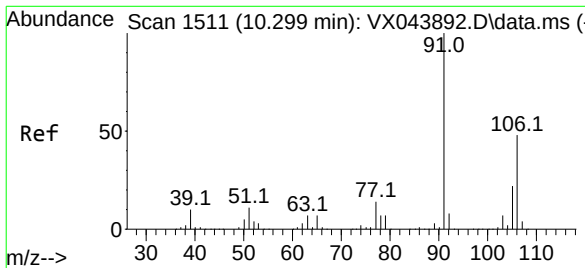
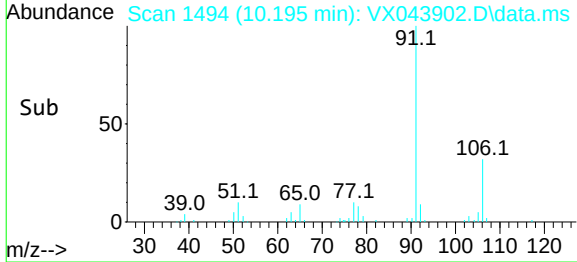
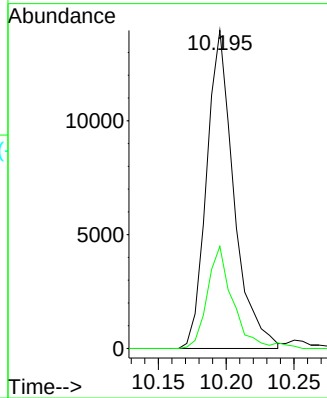
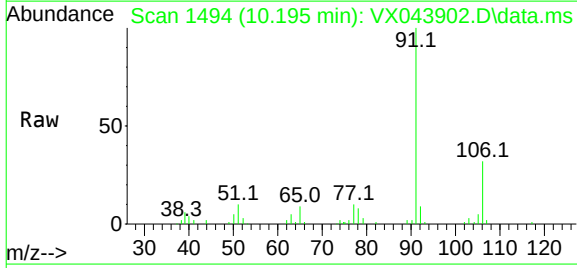
#52
Ethylbenzene
Concen: 2.409 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 91 Resp: 19498
Ion Ratio Lower Upper
91 100
106 32.1 21.1 39.1

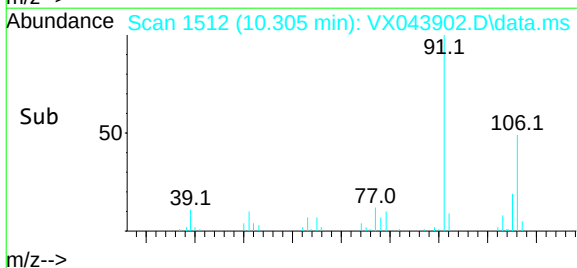
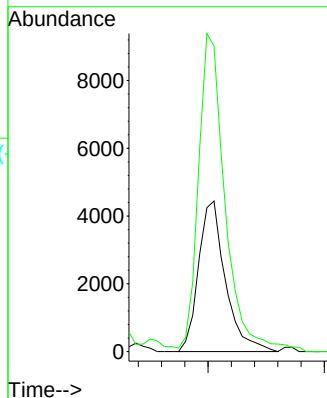
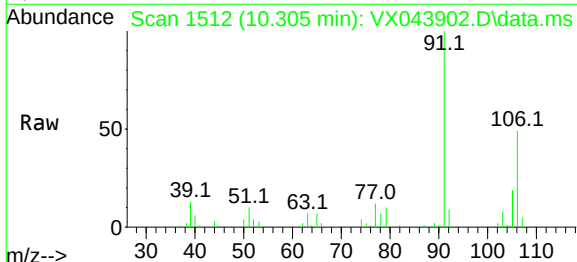
Manual Integrations
APPROVED

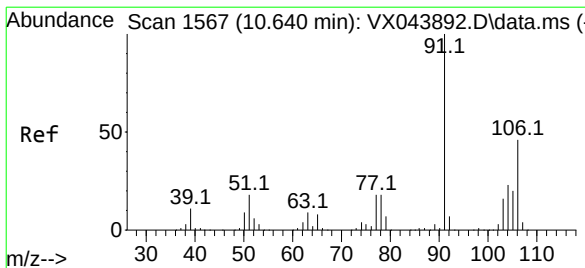
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#53
m,p-Xylene
Concen: 2.380 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion:106 Resp: 7157
Ion Ratio Lower Upper
106 100
91 202.9 147.5 273.9





#54

o-Xylene

Concen: 2.382 ug/L

RT: 10.640 min Scan# 15

Delta R.T. 0.000 min

Lab File: VX043902.D

Acq: 19 Nov 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-07

Tgt Ion:106 Resp: 7211

Ion Ratio Lower Upper

106 100

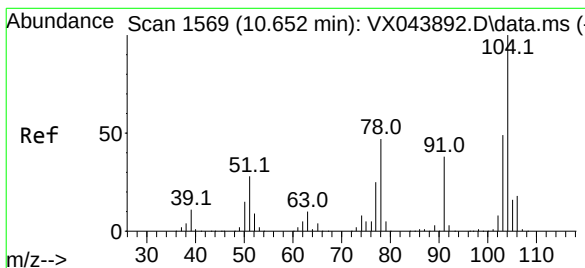
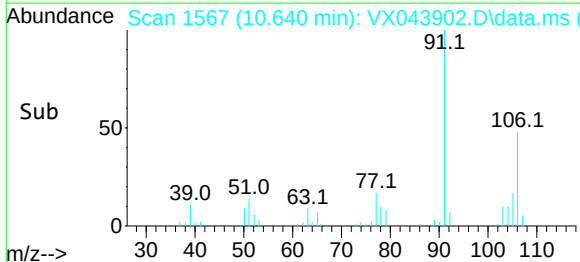
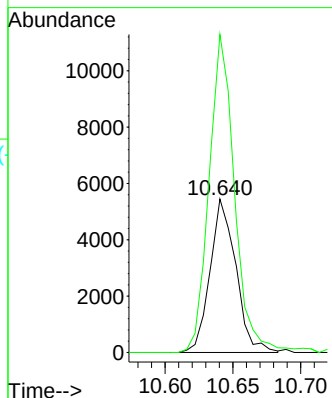
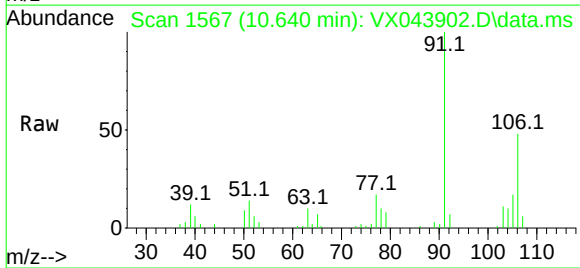
91 207.3 153.7 285.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#55

Styrene

Concen: 2.114 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX043902.D

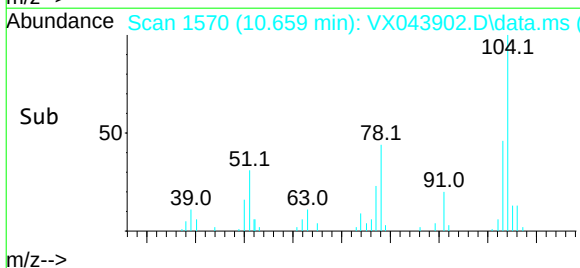
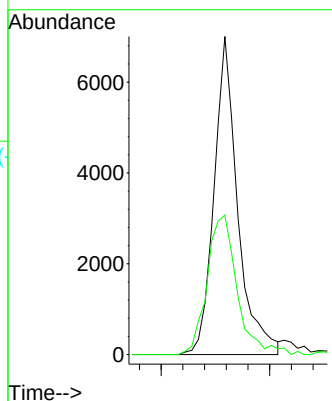
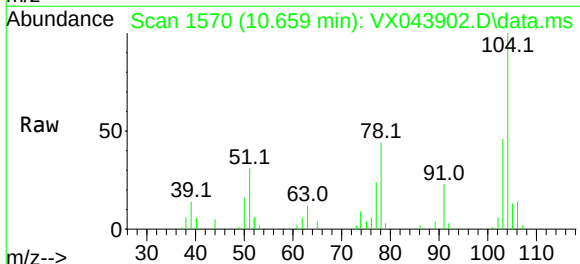
Acq: 19 Nov 2024 15:58

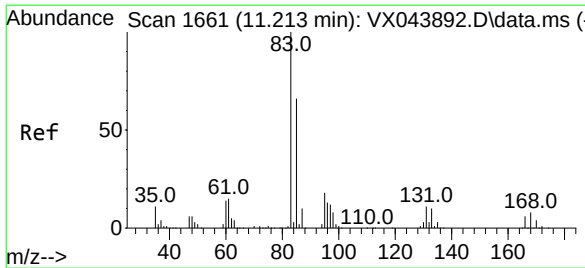
Tgt Ion:104 Resp: 10591

Ion Ratio Lower Upper

104 100

78 43.8 32.8 60.8





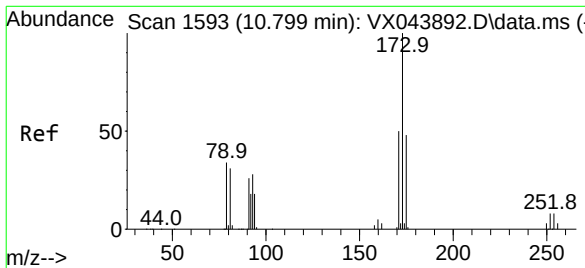
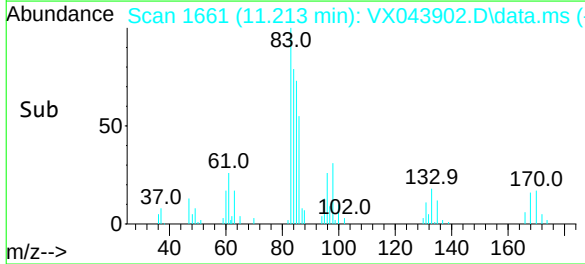
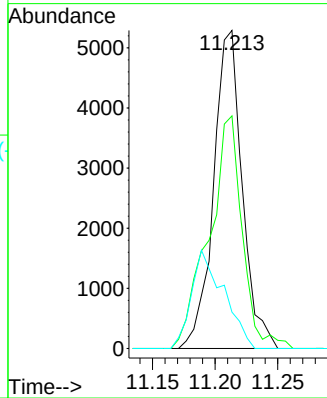
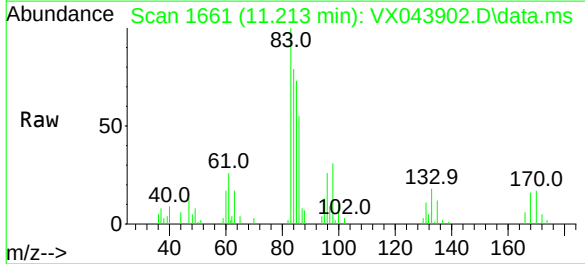
#57
1,1,2,2-Tetrachloroethane
Concen: 2.889 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion:	83	Resp:	8412
Ion	Ratio	Lower	Upper
83	100		
85	73.1	46.0	85.4
131	11.4	8.8	13.2

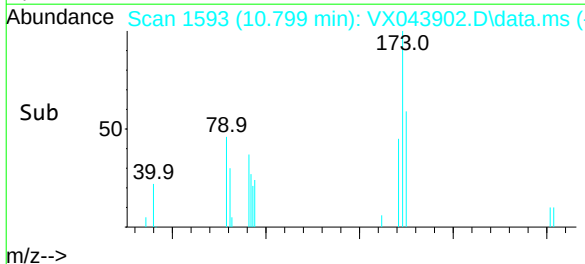
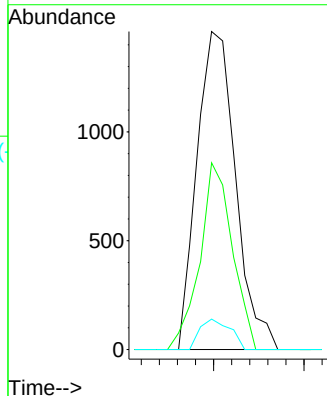
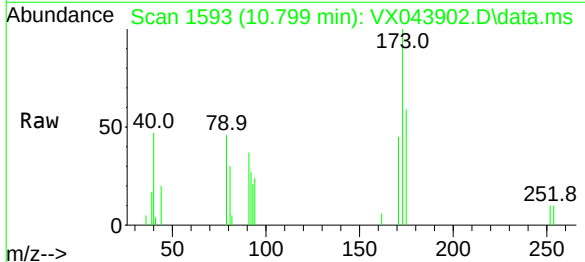
Manual Integrations
APPROVED

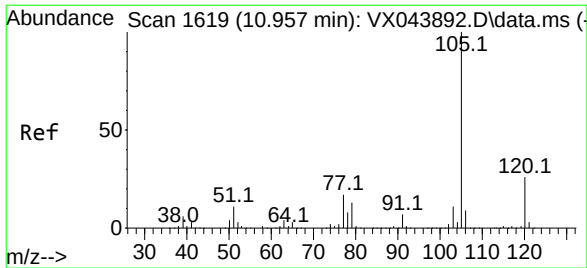
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#59
Bromoform
Concen: 2.013 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion:	173	Resp:	2173
Ion	Ratio	Lower	Upper
173	100		
175	49.2	40.0	60.0
254	7.5	6.3	9.5





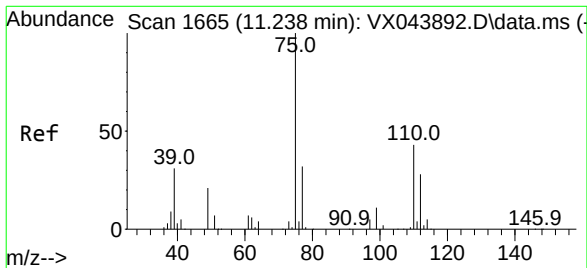
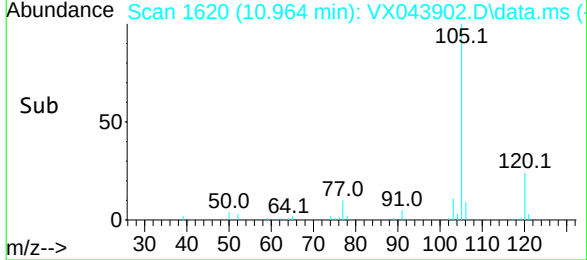
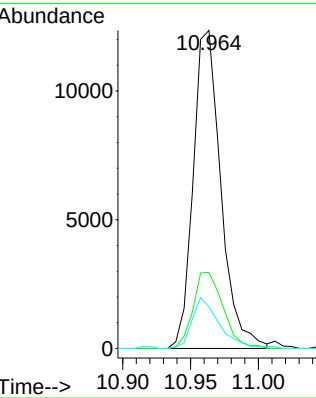
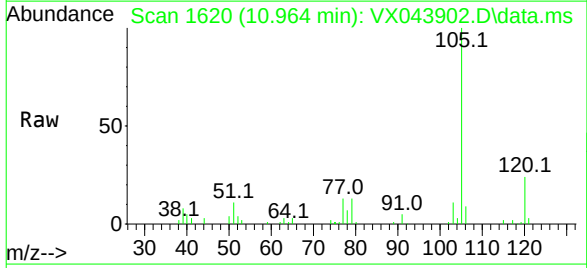
#60
Isopropylbenzene
Concen: 2.309 ug/L
RT: 10.964 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion:	105	Resp:	17531
Ion Ratio	Lower	Upper	
105	100		
120	26.0	20.6	31.0
77	15.5	13.4	20.0

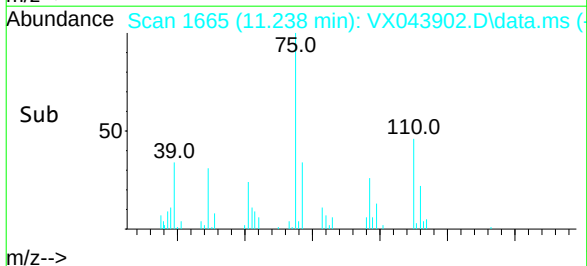
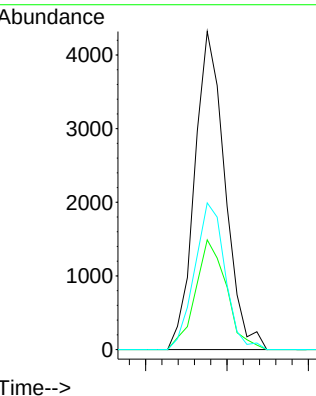
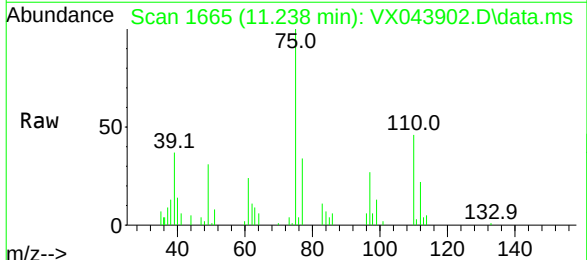
Manual Integrations
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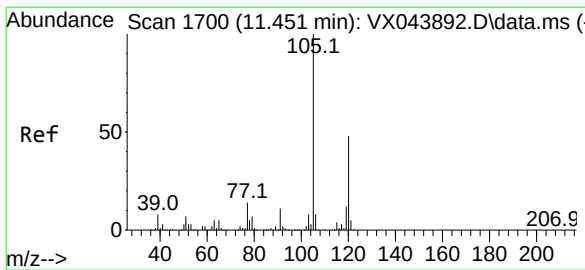
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#61
1,2,3-Trichloropropane
Concen: 2.545 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion:	75	Resp:	5586
Ion Ratio	Lower	Upper	
75	100		
77	35.2	25.8	38.6
110	46.3	33.3	49.9





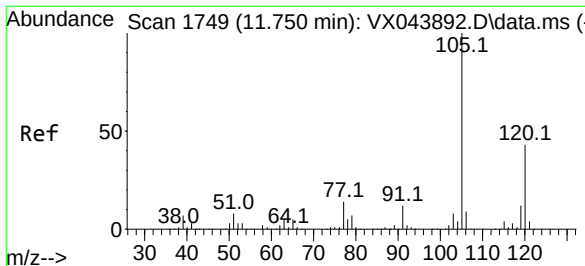
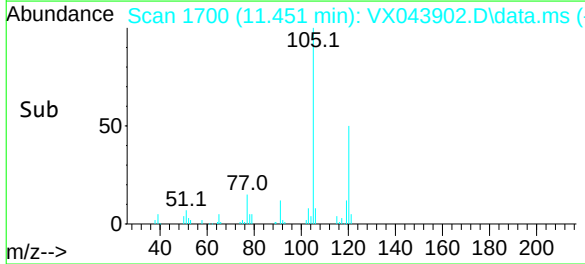
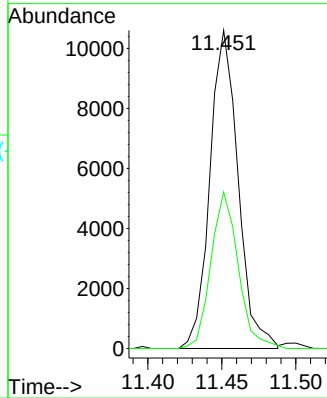
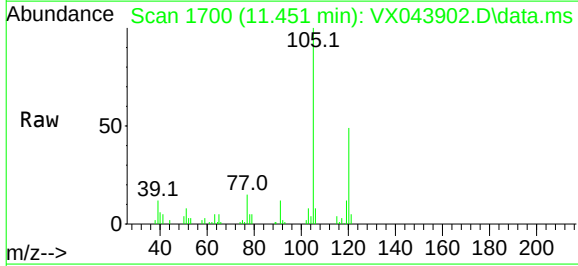
#62
1,3,5-Trimethylbenzene
Concen: 2.342 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07

Tgt Ion:105 Resp: 14047
Ion Ratio Lower Upper
105 100
120 47.6 38.2 57.4

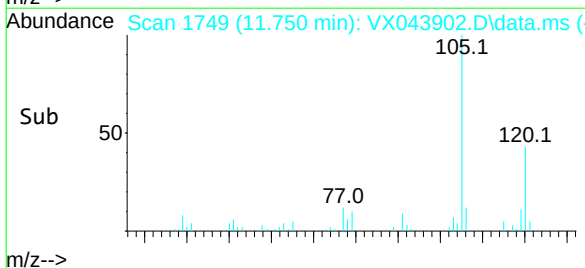
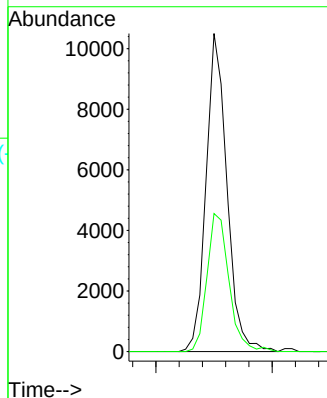
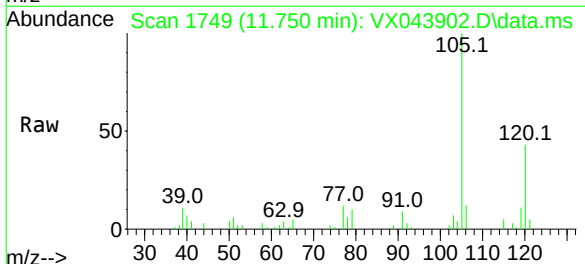
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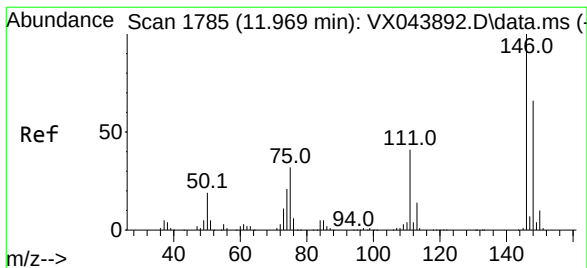
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#63
1,2,4-Trimethylbenzene
Concen: 2.190 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion:105 Resp: 13098
Ion Ratio Lower Upper
105 100
120 45.2 34.5 51.7





#64

1,3-Dichlorobenzene

Concen: 2.432 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043902.D

Acq: 19 Nov 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-07

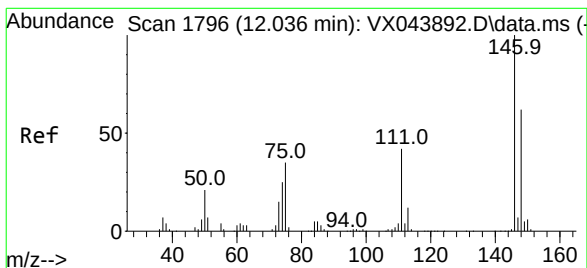
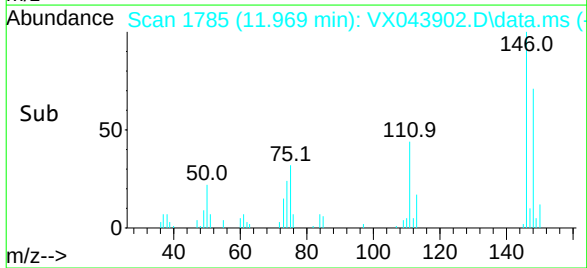
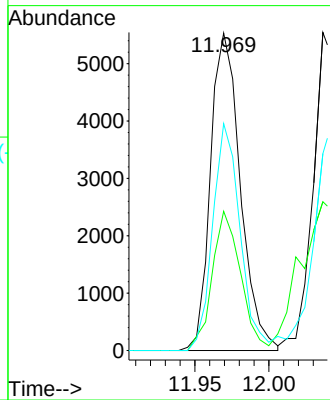
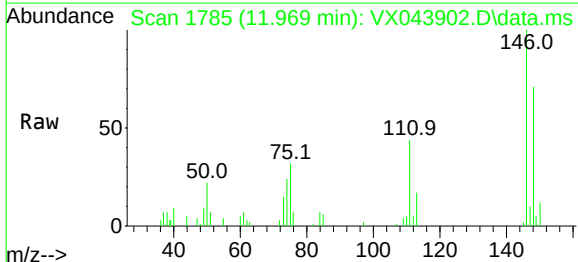
Tgt Ion:	146	Resp:	7745
Ion Ratio	Lower	Upper	
146	100		
111	43.9	28.8	53.4
148	71.5	46.1	85.5

Manual Integrations

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Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#65

1,4-Dichlorobenzene

Concen: 2.494 ug/L

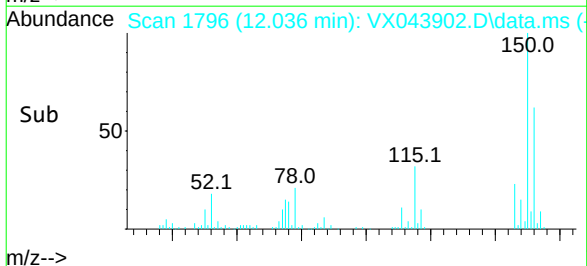
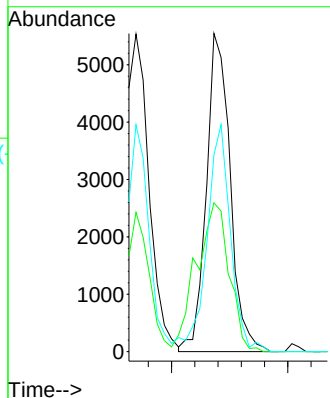
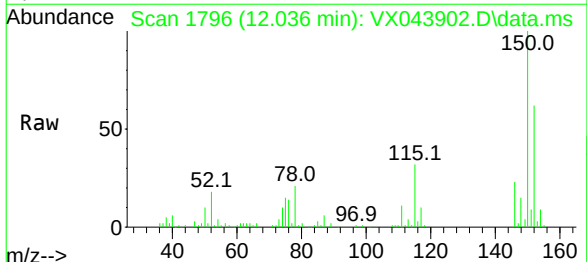
RT: 12.036 min Scan# 1796

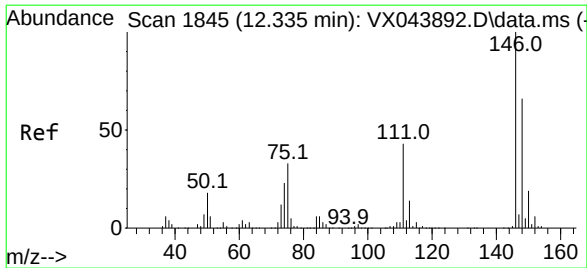
Delta R.T. 0.000 min

Lab File: VX043902.D

Acq: 19 Nov 2024 15:58

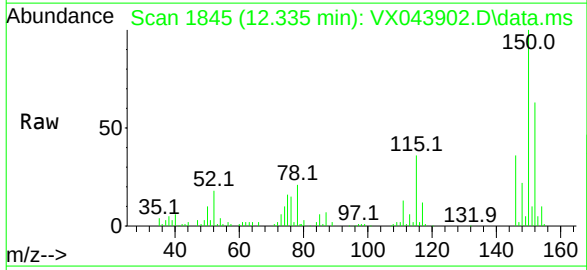
Tgt Ion:	146	Resp:	7887
Ion Ratio	Lower	Upper	
146	100		
111	46.8	29.5	54.7
148	61.9	43.2	80.2





#67
1,2-Dichlorobenzene
Concen: 2.641 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

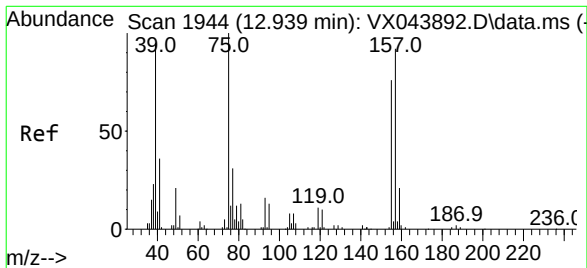
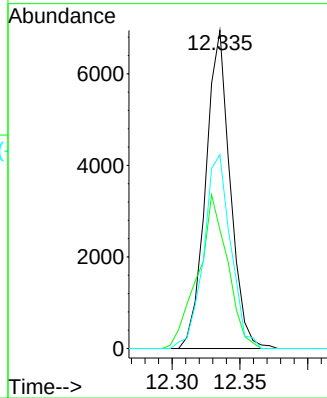
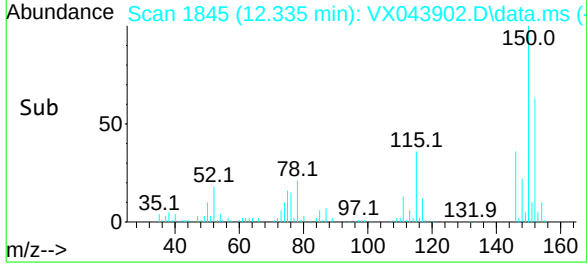
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 146 Resp: 8708
Ion Ratio Lower Upper
146 100
111 37.3 34.3 51.5
148 61.0 52.6 79.0

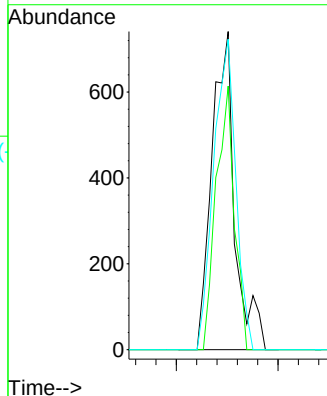
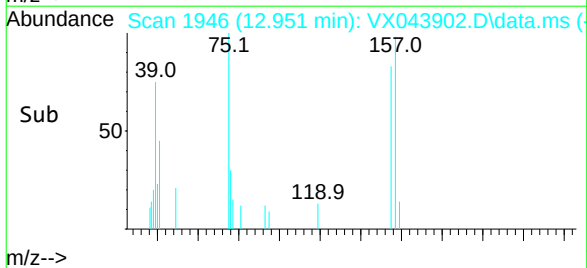
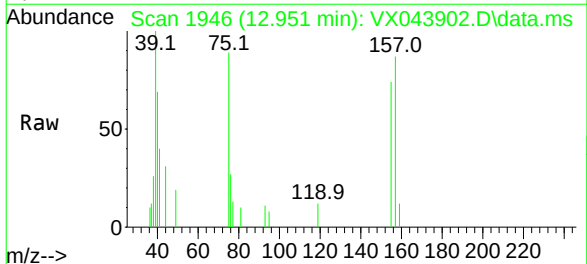
Manual Integrations
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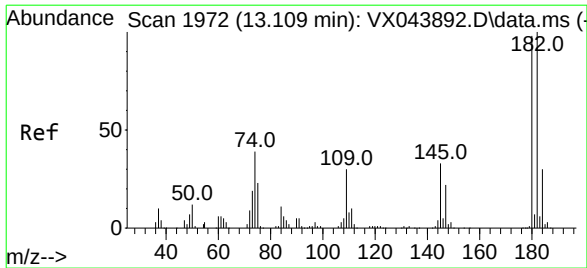
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 2.103 ug/L
RT: 12.951 min Scan# 1946
Delta R.T. 0.012 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

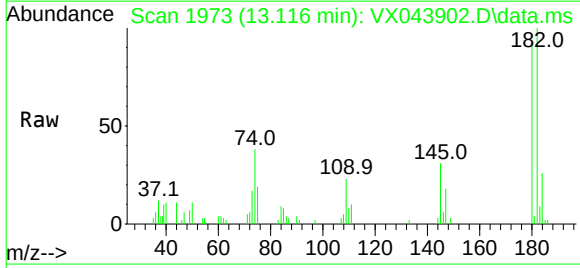
Tgt Ion: 75 Resp: 1155
Ion Ratio Lower Upper
75 100
155 82.9 60.5 90.7
157 97.6 73.5 110.3





#69
1,3,5-Trichlorobenzene
Concen: 2.205 ug/L
RT: 13.116 min Scan# 1972
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

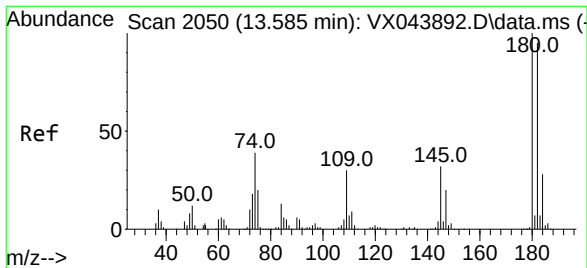
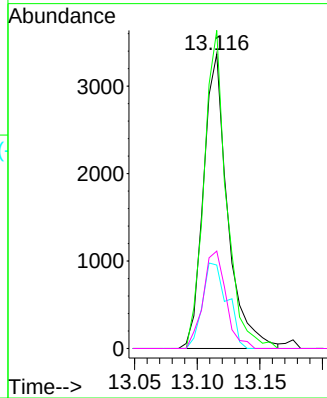
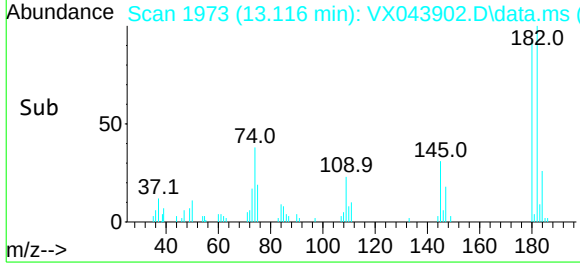
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



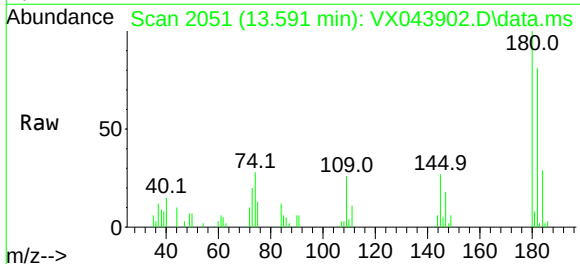
Tgt Ion:180 Resp: 4531
Ion Ratio Lower Upper
180 100
182 99.7 76.7 115.1
184 29.8 24.2 36.4
145 31.3 25.9 38.9

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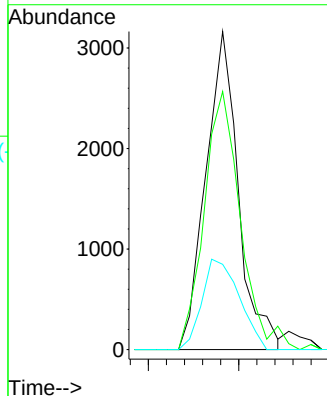
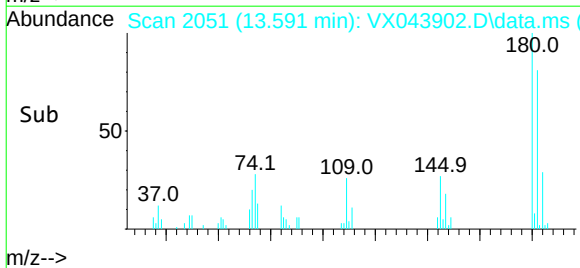
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

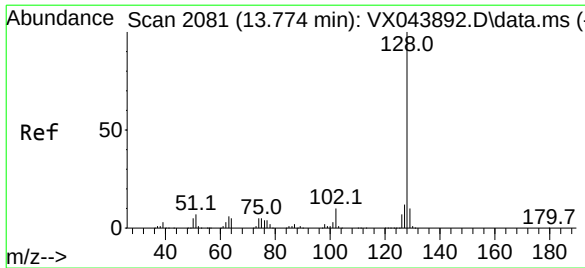


#70
1,2,4-trichlorobenzene
Concen: 2.087 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58



Tgt Ion:180 Resp: 3954
Ion Ratio Lower Upper
180 100
182 87.5 74.1 111.1
145 32.5 25.3 37.9





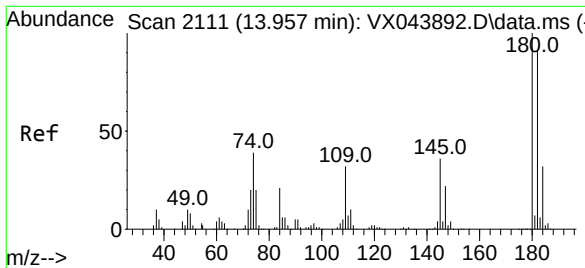
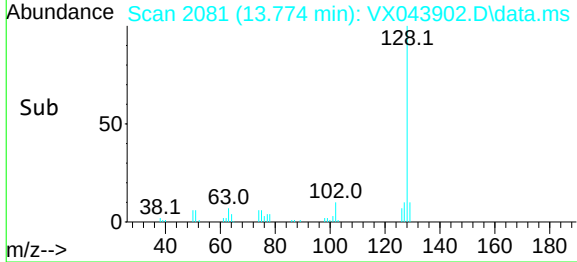
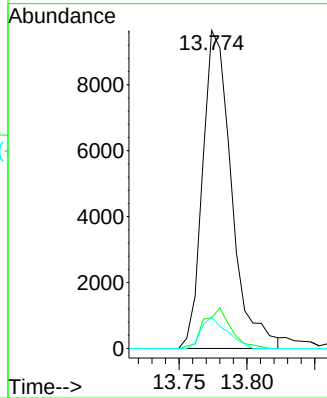
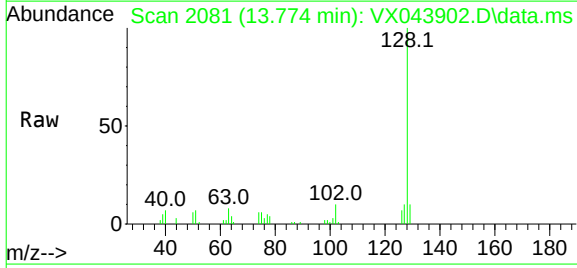
#71
Naphthalene
Concen: 2.030 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07

Tgt Ion:	128	Resp:	14307
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.1	15.1
129	8.8	8.6	13.0

Manual Integrations
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Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#72
1,2,3-Trichlorobenzene
Concen: 2.116 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX043902.D
Acq: 19 Nov 2024 15:58

Tgt Ion:	180	Resp:	4041
Ion Ratio	Lower	Upper	
180	100		
182	101.2	73.8	110.6
145	33.7	27.4	41.2

