

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112024\
 Data File : VX043911.D
 Acq On : 20 Nov 2024 12:40
 Operator : JC/MD
 Sample : P4776-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-08

Quant Time: Nov 21 00:40:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 00:38:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Mahesh Dadoda 11/25/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	313154	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	258708	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	112203	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	106504	42.629	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.260%
7) Chloroethane-d5	1.648	69	69093	65.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	131.160%#
11) 1,1-Dichloroethene-d2	2.294	65	45899	45.711	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.420%
21) 2-Butanone-d5	4.452	46	155634	103.663	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.660%
24) Chloroform-d	5.050	84	205925	44.481	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.960%
26) 1,2-Dichloroethane-d4	5.952	65	143841	46.804	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.600%
32) Benzene-d6	5.964	84	425399	49.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.720%
36) 1,2-Dichloropropane-d6	7.299	67	136013	52.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.500%
41) Toluene-d8	8.647	98	361723	48.333	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.660%
43) trans-1,3-Dichloroprop...	8.945	79	57964	49.675	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.360%
47) 2-Hexanone-d5	9.384	63	98515	102.332	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.330%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	171848	52.858	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.720%
66) 1,2-Dichlorobenzene-d4	12.317	152	122311	51.355	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	5997	2.334	ug/L	98
3) Chloromethane	1.294	50	6092	2.319	ug/L	98
5) Vinyl chloride	1.374	62	6731	2.520	ug/L #	56
6) Bromomethane	1.593	94	3164	2.844	ug/L	92
8) Chloroethane	1.672	64	3200	2.691	ug/L	89
9) Trichlorofluoromethane	1.874	101	8890	2.487	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	7120	3.342	ug/L #	85
12) 1,1-Dichloroethene	2.306	96	5693	2.934	ug/L #	1
13) Acetone	2.380	43	7523	5.700	ug/L	95
14) Carbon disulfide	2.495	76	8301	2.013	ug/L	98
15) Methyl Acetate	2.703	43	5945	2.408	ug/L #	87
16) Methylene chloride	2.782	84	6039	2.654	ug/L	97
17) trans-1,2-Dichloroethene	3.087	96	4941	2.378	ug/L	91
18) Methyl tert-butyl Ether	3.111	73	18506	2.407	ug/L	97
19) 1,1-Dichloroethane	3.599	63	9842	2.377	ug/L	93
20) cis-1,2-Dichloroethene	4.483	96	5758	2.279	ug/L	93
22) 2-Butanone	4.574	43	9451m	5.373	ug/L	
23) Bromochloromethane	4.891	128	3111m	2.393	ug/L	
27) 1,2-Dichloroethane	6.086	62	8999	2.524	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.470	56	9050m	2.689	ug/L	
30) 1,1,1-Trichloroethane	5.373	97	8539	2.392	ug/L #	70
31) Carbon tetrachloride	5.659	117	6894m	2.381	ug/L	
33) Benzene	6.031	78	21665	2.505	ug/L	100
35) Methylcyclohexane	7.373	83	8684	2.676	ug/L	99
37) 1,2-Dichloropropane	7.434	63	6025m	2.684	ug/L	
38) Bromodichloromethane	7.818	83	6245	2.219	ug/L #	93
39) cis-1,3-Dichloropropene	8.366	75	8522	2.410	ug/L	96
40) 4-Methyl-2-pentanone	8.574	43	14928	4.858	ug/L	94
42) Toluene	8.720	91	21065	2.417	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	7941	2.498	ug/L	90
45) 1,1,2-Trichloroethane	9.153	97	5421	2.456	ug/L	91
46) Tetrachloroethene	9.275	164	3926	2.539	ug/L	84
48) 2-Hexanone	9.433	43	13502	5.821	ug/L #	89
49) Dibromochloromethane	9.518	129	4313	2.114	ug/L	96
50) 1,2-Dibromoethane	9.610	107	5577	2.399	ug/L #	92
51) Chlorobenzene	10.079	112	14282	2.642	ug/L	92
52) Ethylbenzene	10.195	91	22527	2.452	ug/L	98
53) m,p-Xylene	10.299	106	7772	2.278	ug/L	97
54) o-Xylene	10.640	106	8955	2.607	ug/L	80
55) Styrene	10.659	104	13696	2.409	ug/L	89
57) 1,1,2,2-Tetrachloroethane	11.213	83	9471	2.867	ug/L	88
59) Bromoform	10.799	173	2650	2.108	ug/L #	94
60) Isopropylbenzene	10.963	105	21131	2.390	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	6965	2.724	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	17479	2.502	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	16320	2.343	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	9597	2.587	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	10303	2.797	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	10862	2.828	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1067	1.668	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.115	180	6220	2.598	ug/L	92
70) 1,2,4-trichlorobenzene	13.591	180	4730	2.143	ug/L	94
71) Naphthalene	13.780	128	16467	2.006	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	4829	2.171	ug/L	92

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

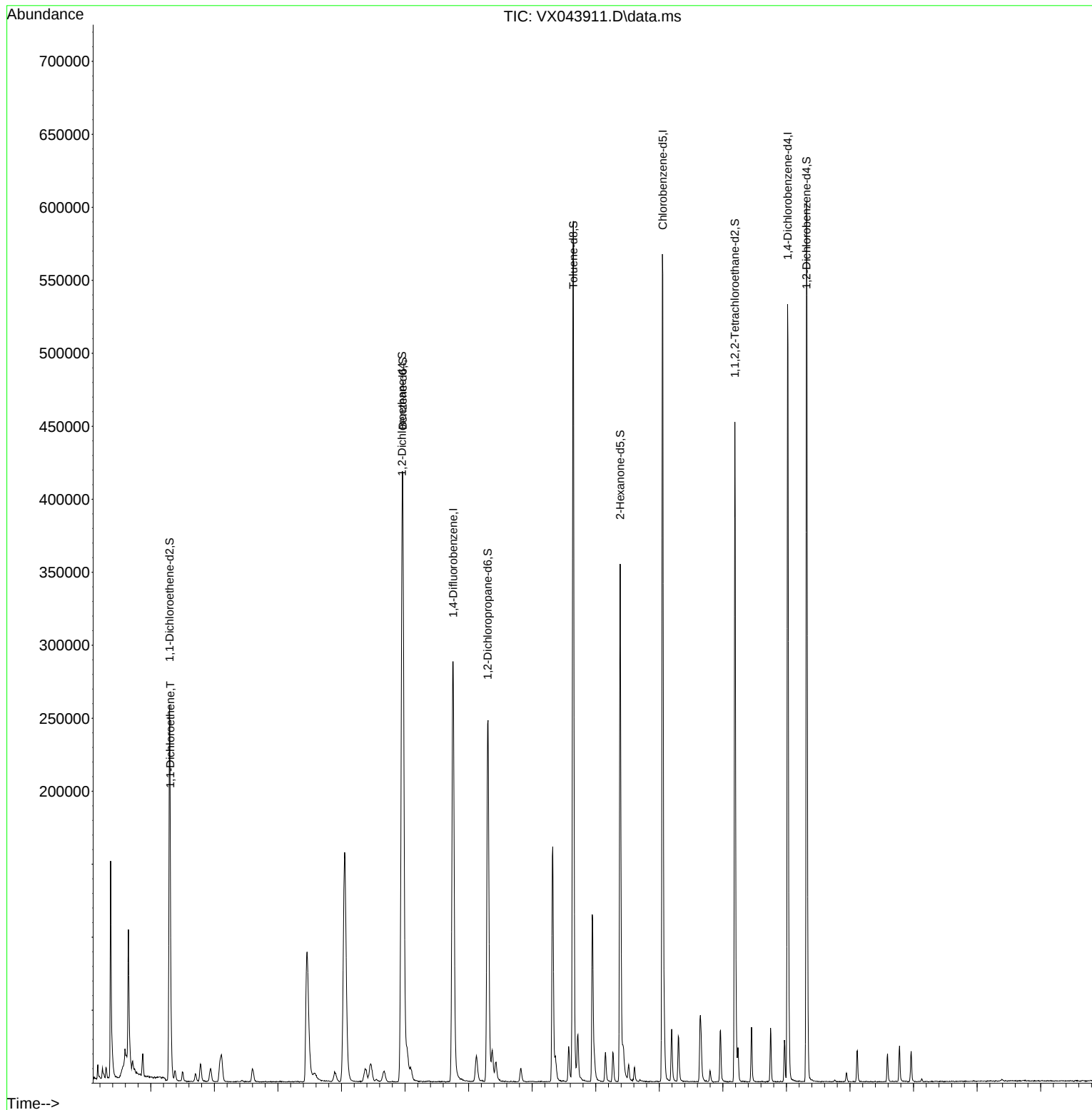
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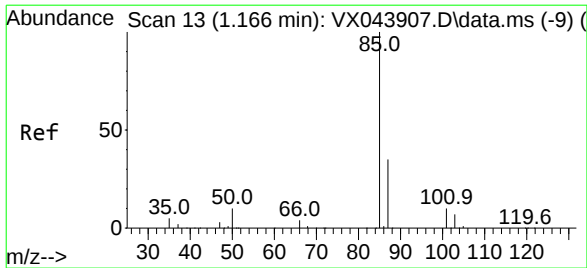
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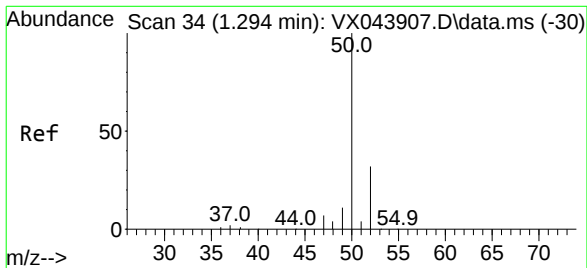
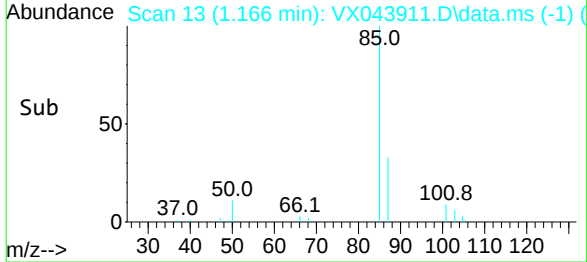
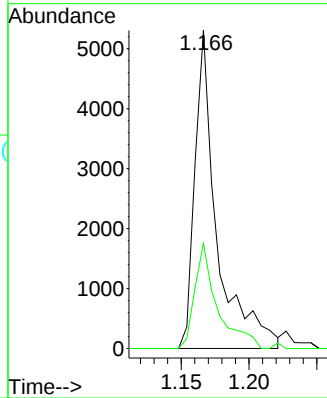
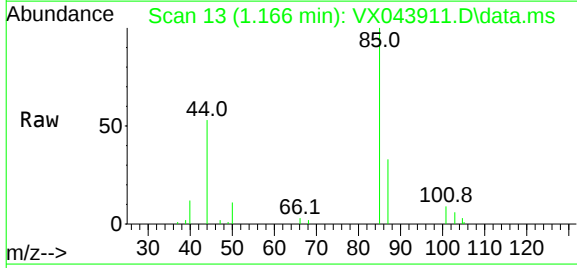
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Dichlorodifluoromethane
Concen: 2.334 ug/L
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-08

Tgt Ion: 85 Resp: 5997
Ion Ratio Lower Upper
85 100
87 33.8 26.1 39.1

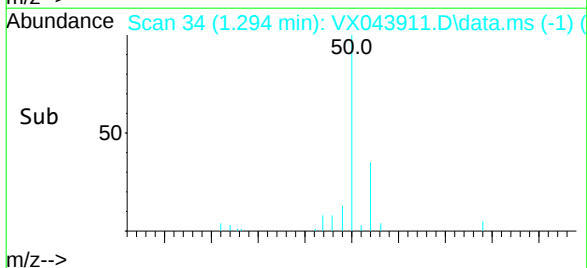
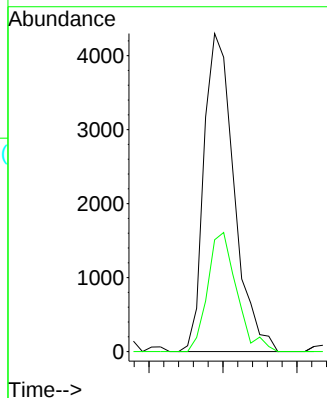
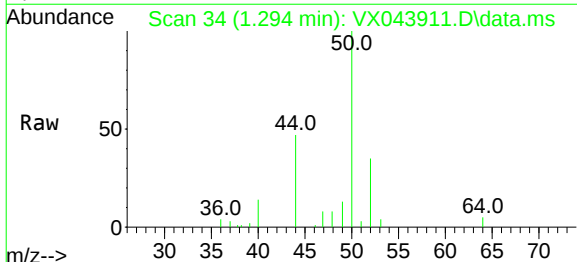
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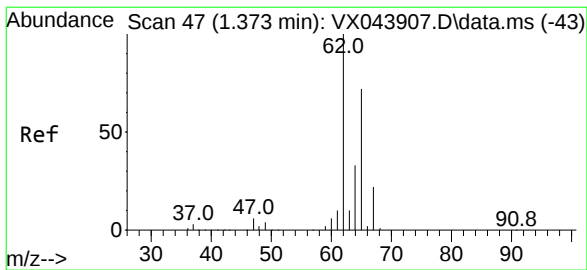
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#3
Chloromethane
Concen: 2.319 ug/L
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion: 50 Resp: 6092
Ion Ratio Lower Upper
50 100
52 35.1 23.9 44.3





#5

Vinyl chloride

Concen: 2.520 ug/L

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

Tgt Ion: 62 Resp: 6731

Ion Ratio Lower Upper

62 100

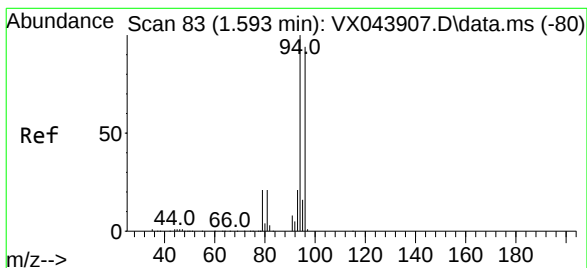
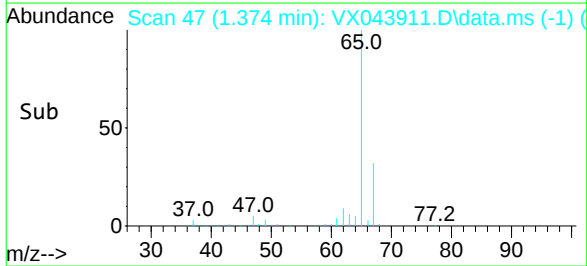
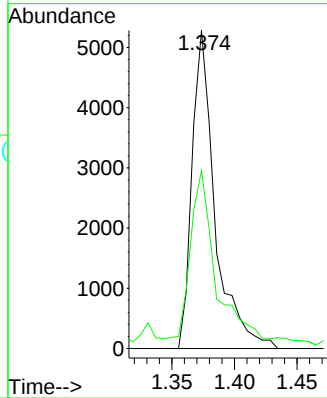
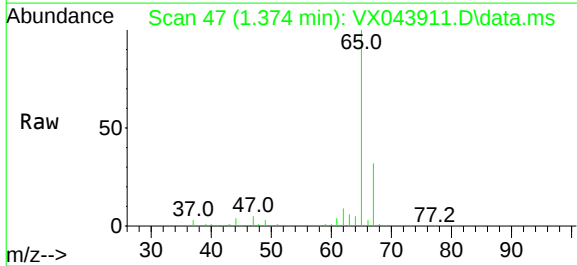
64 55.9 22.2 41.2#

Manual Integrations

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#6

Bromomethane

Concen: 2.844 ug/L

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043911.D

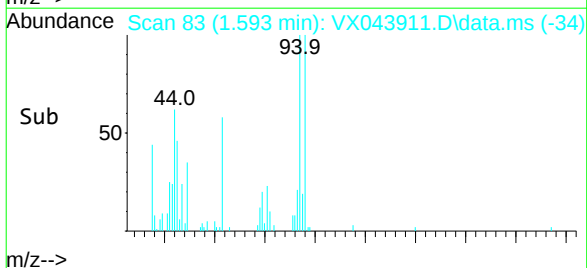
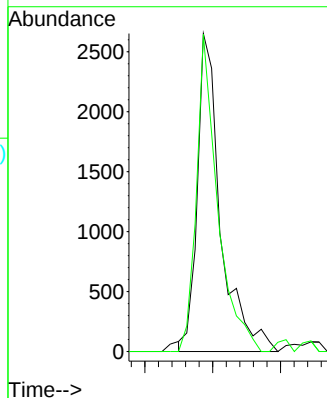
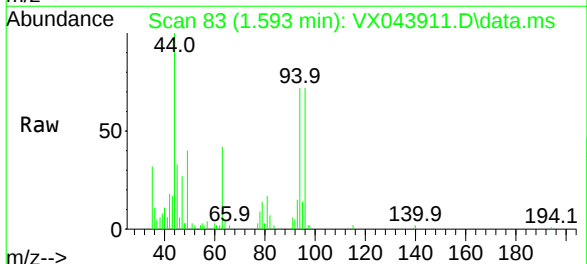
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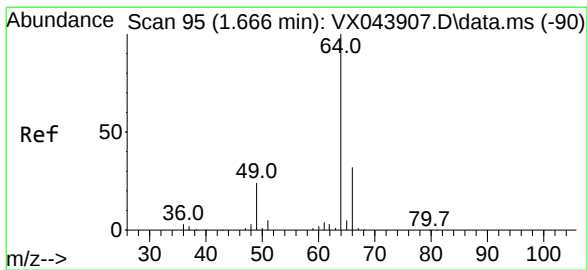
Tgt Ion: 94 Resp: 3164

Ion Ratio Lower Upper

94 100

96 99.7 64.2 119.2





#8

Chloroethane

Concen: 2.691 ug/L

RT: 1.672 min Scan# 96

Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

Tgt Ion: 64 Resp: 3200

Ion Ratio Lower Upper

64 100

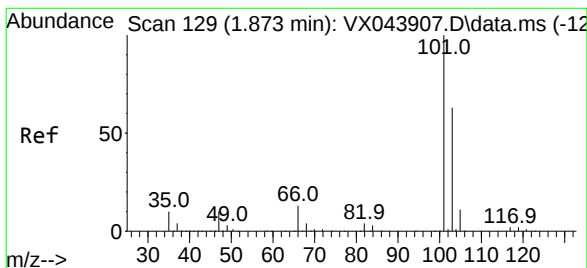
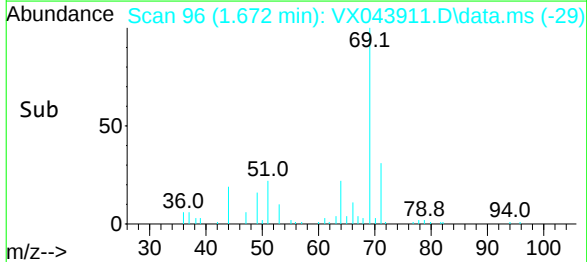
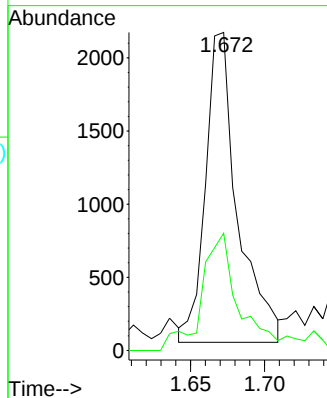
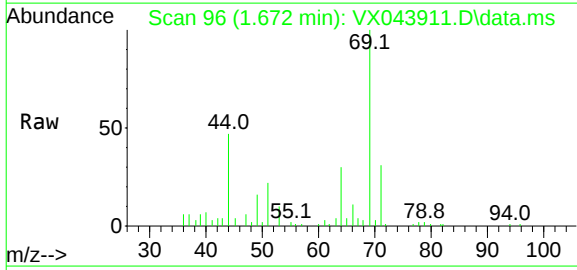
66 36.9 21.5 39.9

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#9

Trichlorofluoromethane

Concen: 2.487 ug/L

RT: 1.874 min Scan# 129

Delta R.T. 0.000 min

Lab File: VX043911.D

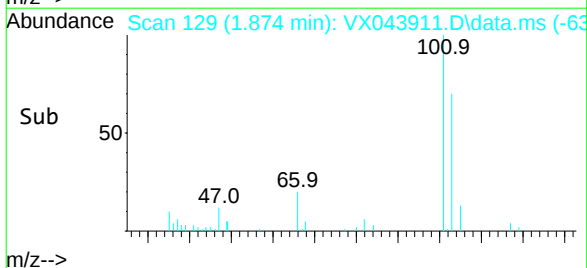
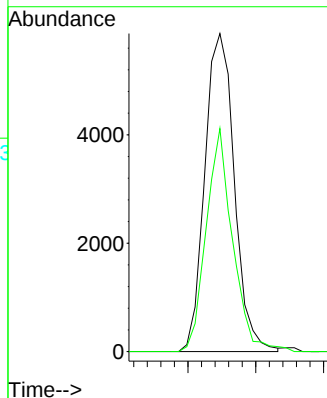
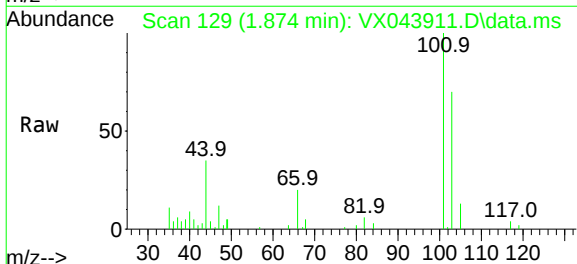
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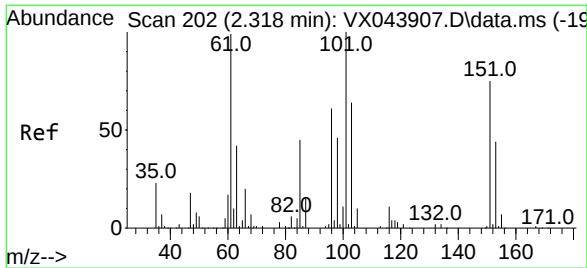
Tgt Ion:101 Resp: 8890

Ion Ratio Lower Upper

101 100

103 62.8 50.8 76.2





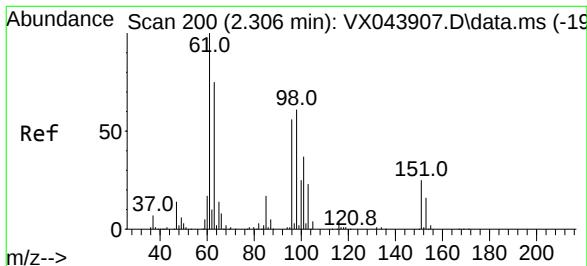
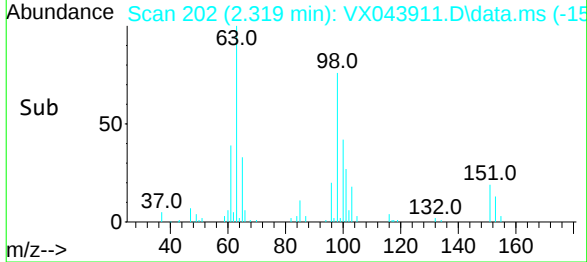
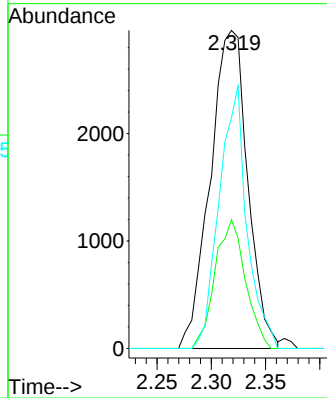
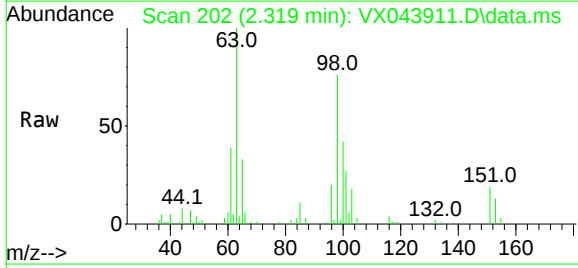
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.342 ug/L
RT: 2.319 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043911.D
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Tgt Ion: 101 Resp: 7120
Ion Ratio Lower Upper
101 100
85 32.8 33.9 50.9#
151 60.9 58.5 87.7

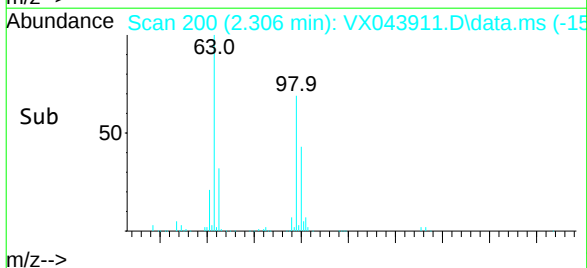
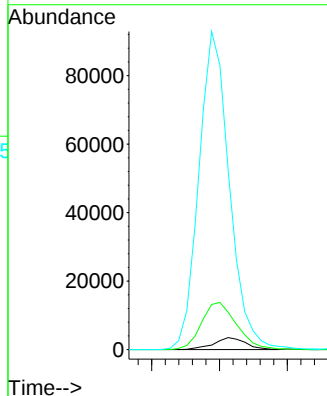
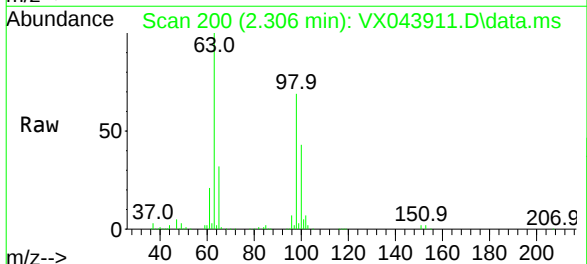
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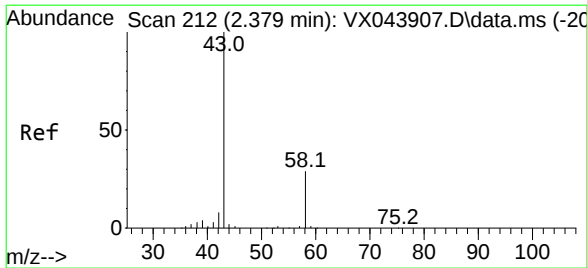
Reviewed By : John Carlone 11/21/2024
Supervised By : Mahesh Dadoda 11/25/2024



#12
1,1-Dichloroethene
Concen: 2.934 ug/L
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion: 96 Resp: 5693
Ion Ratio Lower Upper
96 100
61 309.7 109.3 203.1#
63 1490.4 65.7 122.1#





#13

Acetone

Concen: 5.700 ug/L

RT: 2.380 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

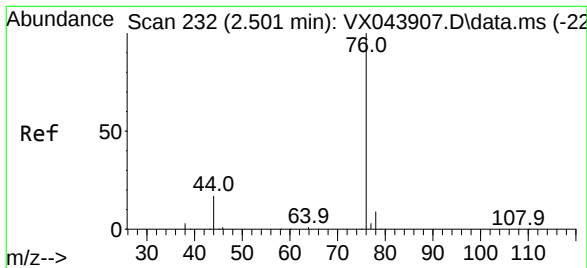
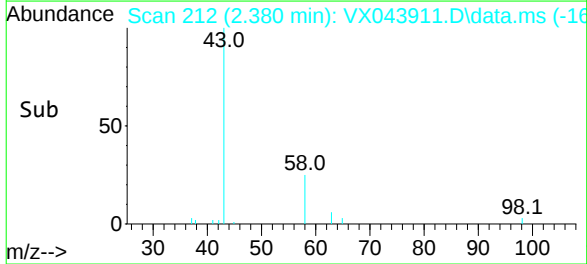
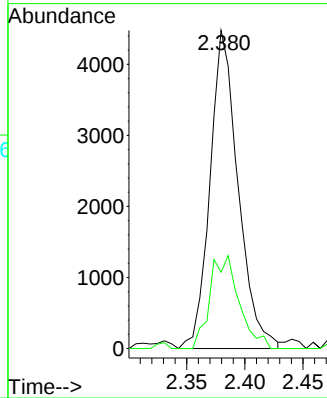
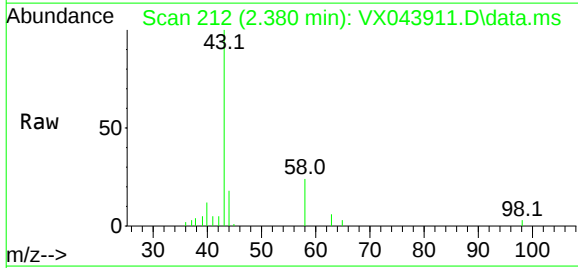
Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	0.0	66.0

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Supervised By :Mahesh Dadoda 11/25/2024



#14

Carbon disulfide

Concen: 2.013 ug/L

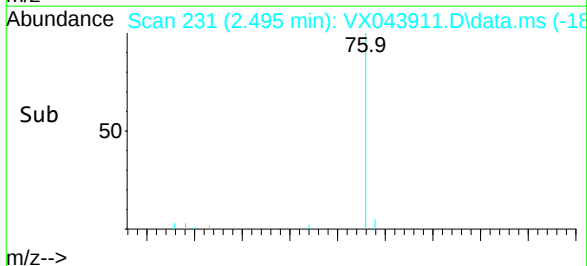
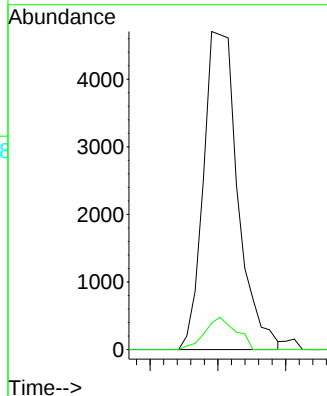
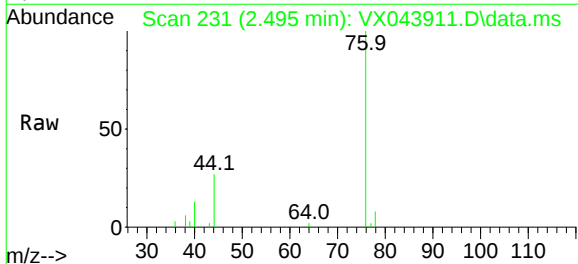
RT: 2.495 min Scan# 231

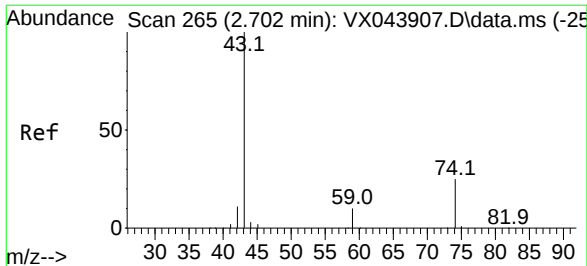
Delta R.T. -0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

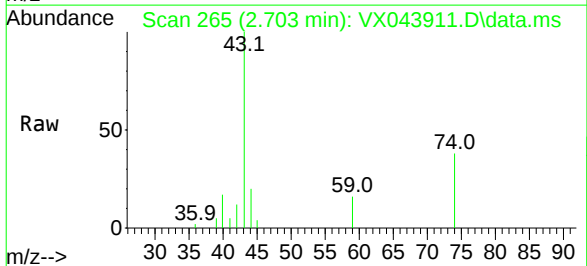
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.2	10.8





#15
Methyl Acetate
Concen: 2.408 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

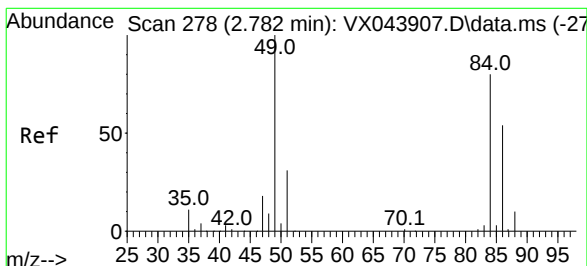
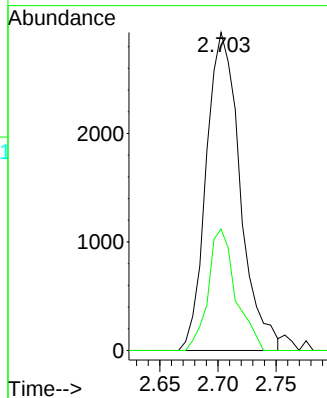
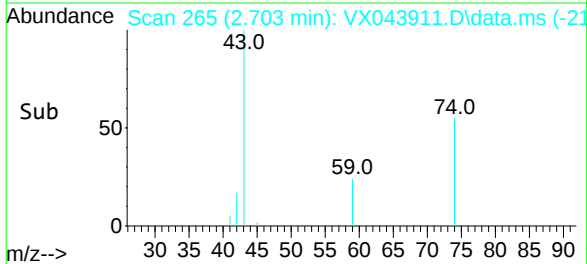
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08



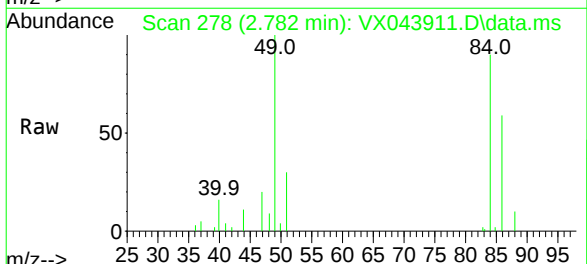
Tgt Ion: 43 Resp: 5945
Ion Ratio Lower Upper
43 100
74 31.0 19.4 29.2

Manual Integrations
APPROVED

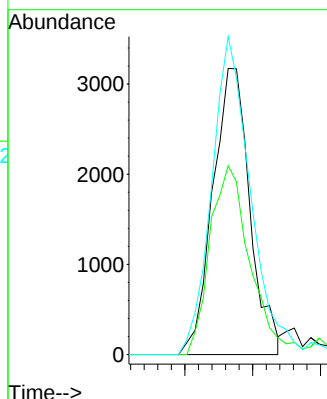
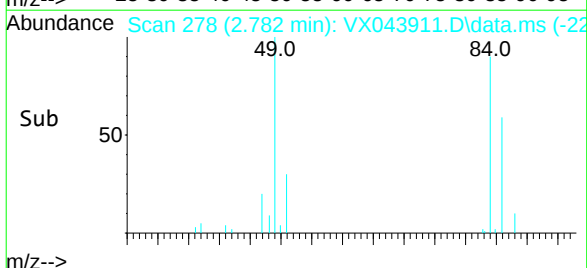
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024

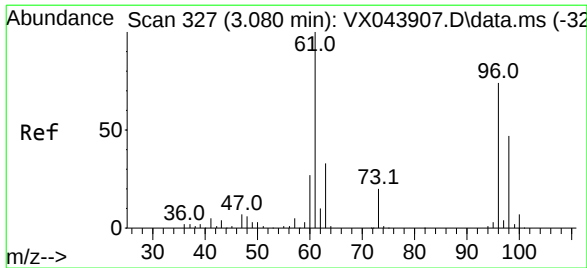


#16
Methylene chloride
Concen: 2.654 ug/L
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40



Tgt Ion: 84 Resp: 6039
Ion Ratio Lower Upper
84 100
86 66.0 46.0 85.4
49 111.2 80.8 150.2





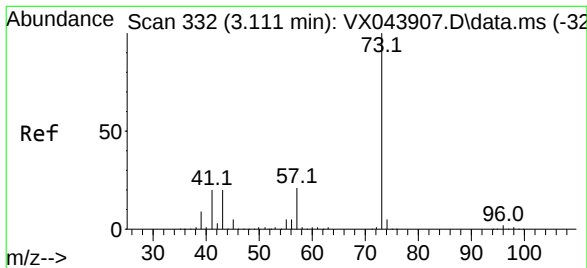
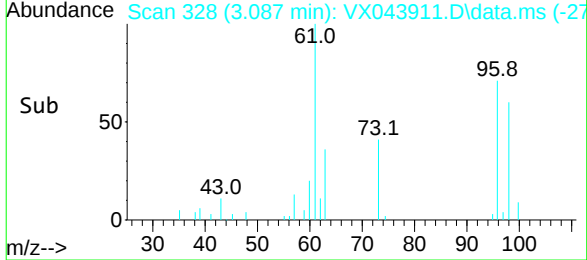
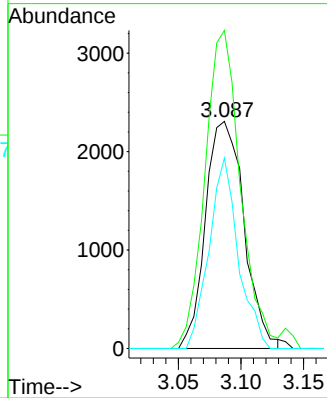
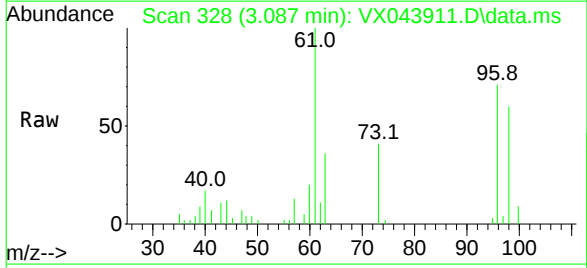
#17
trans-1,2-Dichloroethene
Concen: 2.378 ug/L
RT: 3.087 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08

Tgt Ion: 96	Resp: 4941
Ion Ratio	Lower Upper
96 100	
61 140.1	95.7 177.7
98 83.9	47.2 87.6

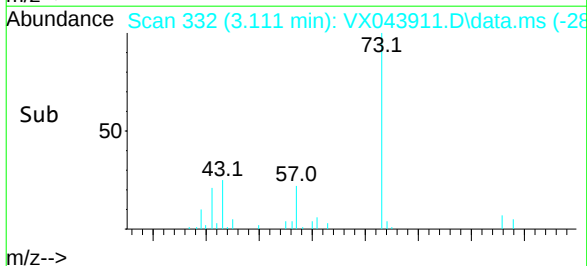
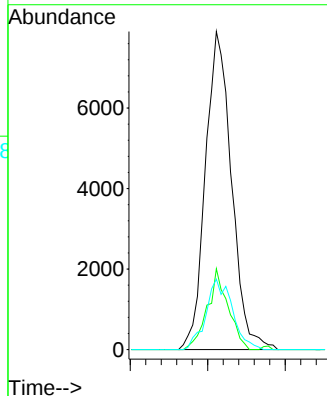
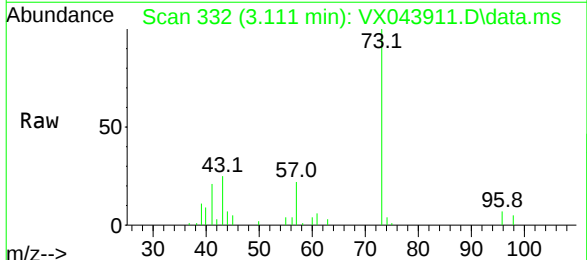
Manual Integrations
APPROVED

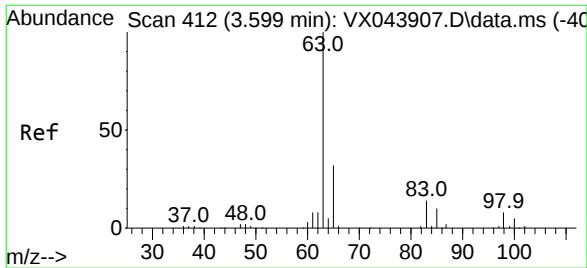
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#18
Methyl tert-butyl Ether
Concen: 2.407 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion: 73	Resp: 18506
Ion Ratio	Lower Upper
73 100	
43 20.2	15.2 22.8
57 22.4	17.0 25.6





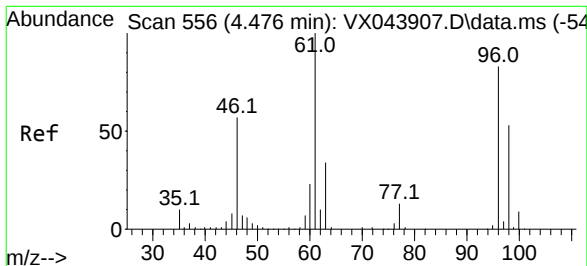
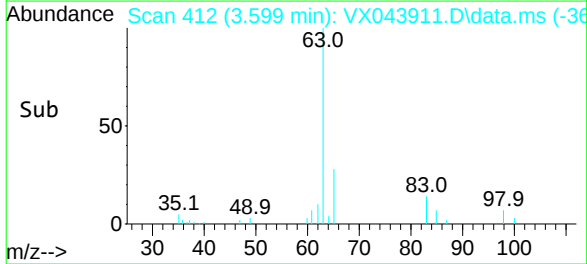
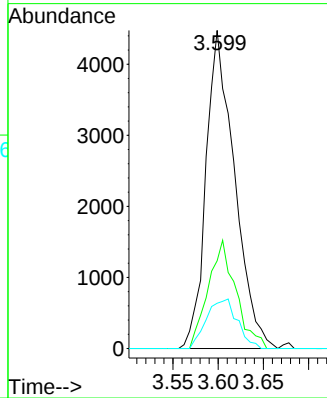
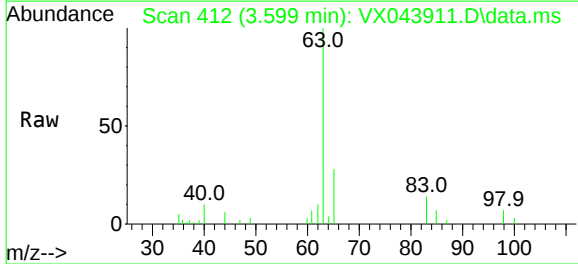
#19
1,1-Dichloroethane
Concen: 2.377 ug/L
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08

Tgt Ion:	63	Resp:	9842
Ion	Ratio	Lower	Upper
63	100		
65	27.6	23.2	43.2
83	14.2	10.0	18.6

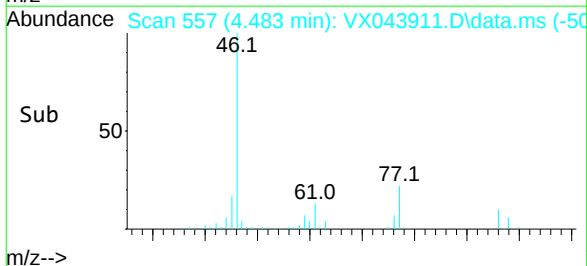
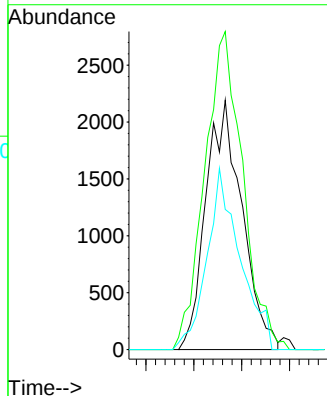
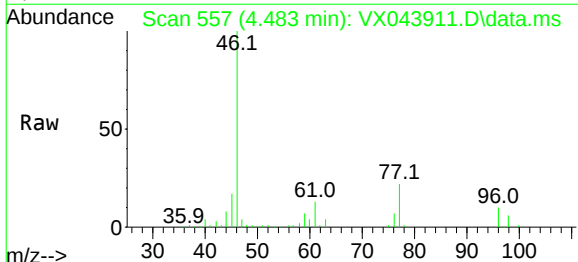
Manual Integrations
APPROVED

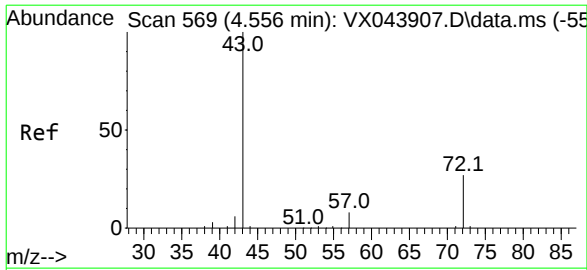
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#20
cis-1,2-Dichloroethene
Concen: 2.279 ug/L
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

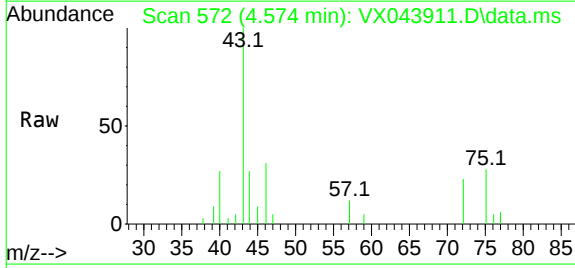
Tgt Ion:	96	Resp:	5758
Ion	Ratio	Lower	Upper
96	100		
61	127.6	85.0	158.0
98	56.2	44.6	82.8





#22
2-Butanone
Concen: 5.373 ug/L m
RT: 4.574 min Scan# 571
Delta R.T. 0.019 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

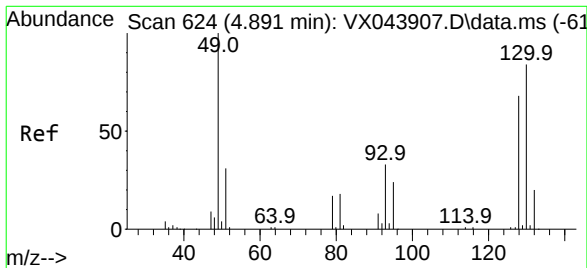
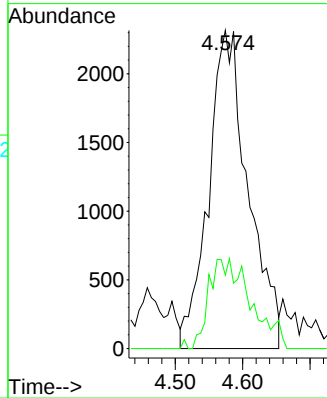
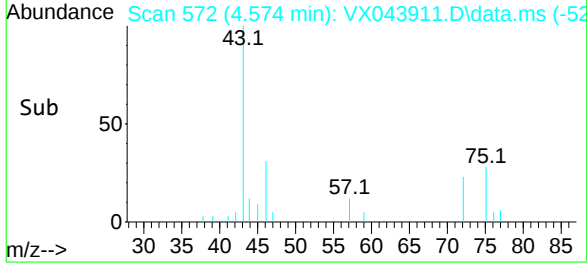
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-08



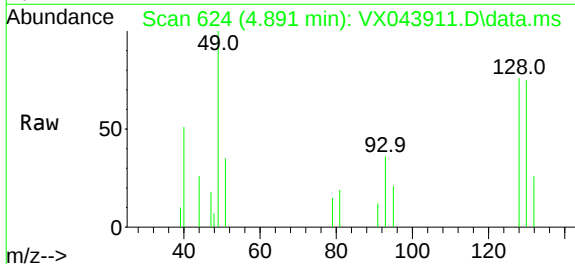
Tgt Ion: 43 Resp: 9451
Ion Ratio Lower Upper
43 100
72 12.4 13.1 39.3#

Manual Integrations
APPROVED

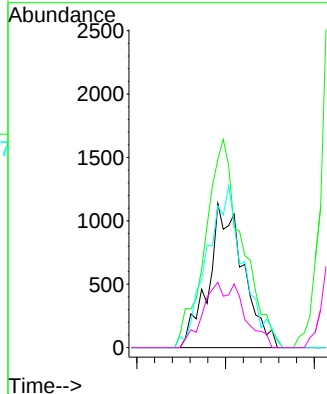
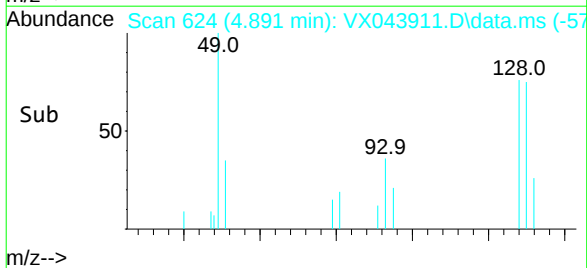
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024

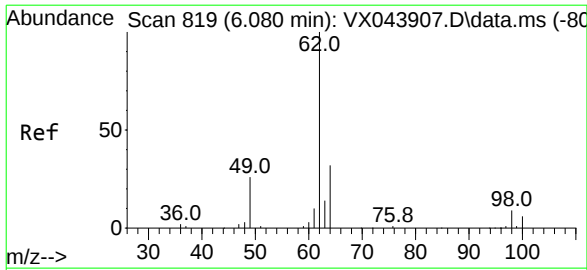


#23
Bromochloromethane
Concen: 2.393 ug/L m
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40



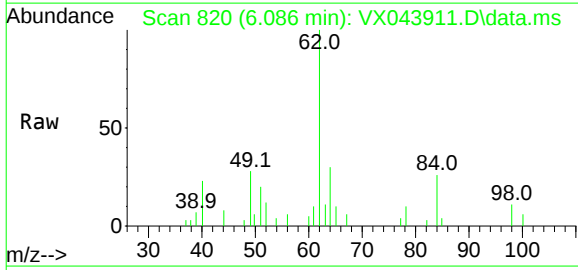
Tgt Ion:128 Resp: 3111
Ion Ratio Lower Upper
128 100
49 130.7 103.7 192.5
130 98.5 89.1 165.5
51 45.3 36.6 55.0





#27
1,2-Dichloroethane
Concen: 2.524 ug/L
RT: 6.086 min Scan# 82
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

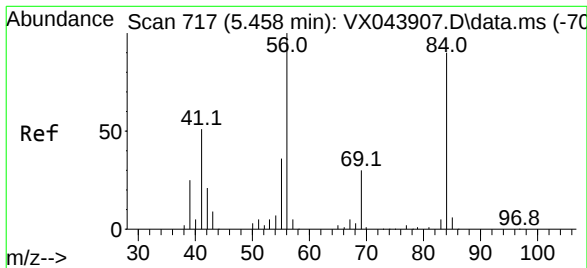
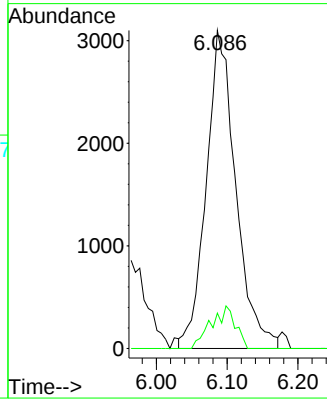
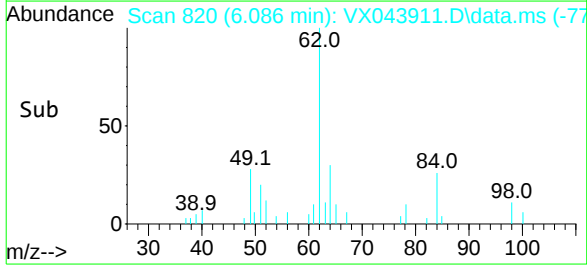
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-08



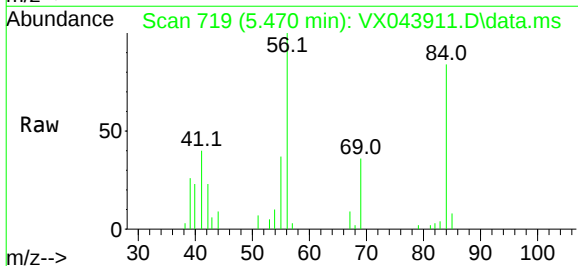
Tgt Ion: 62 Resp: 8999
Ion Ratio Lower Upper
62 100
98 11.1 7.7 11.5

Manual Integrations
APPROVED

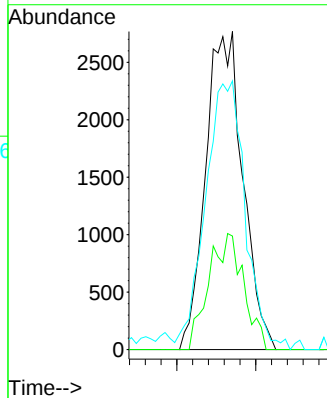
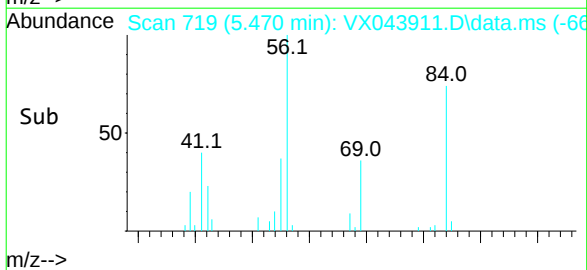
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024

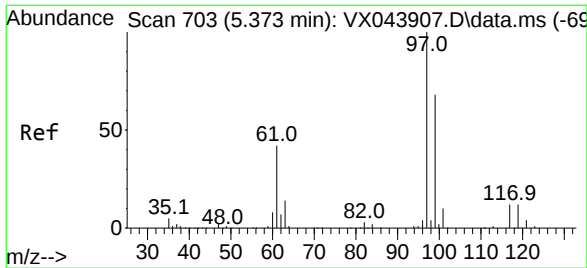


#29
Cyclohexane
Concen: 2.689 ug/L m
RT: 5.470 min Scan# 719
Delta R.T. 0.013 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40



Tgt Ion: 56 Resp: 9050
Ion Ratio Lower Upper
56 100
69 12.1 25.1 37.7#
84 51.3 72.9 109.3#





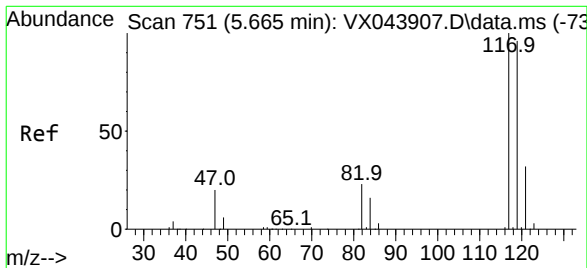
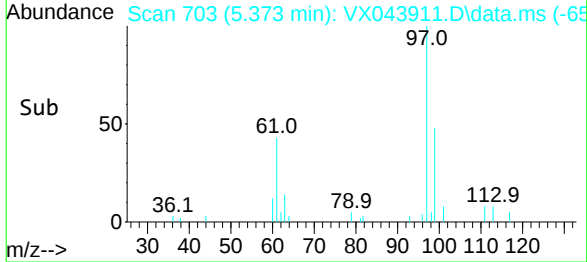
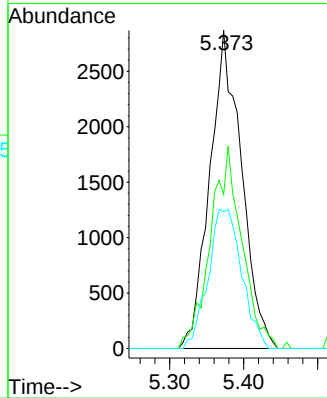
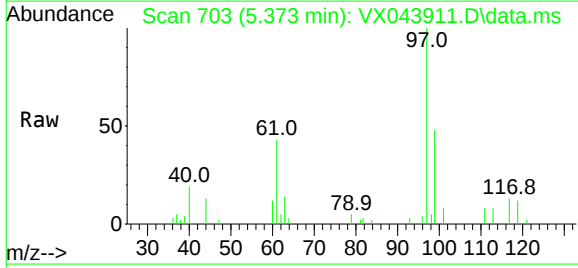
#30
1,1,1-Trichloroethane
Concen: 2.392 ug/L
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08

Tgt Ion: 97	Resp: 8539
Ion Ratio	Lower Upper
97 100	
99 30.6	52.2 78.2
61 46.4	32.8 49.2

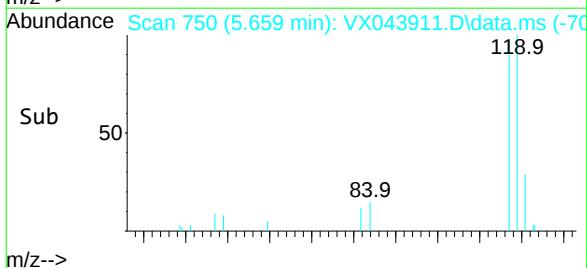
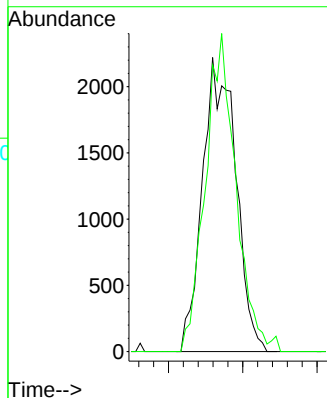
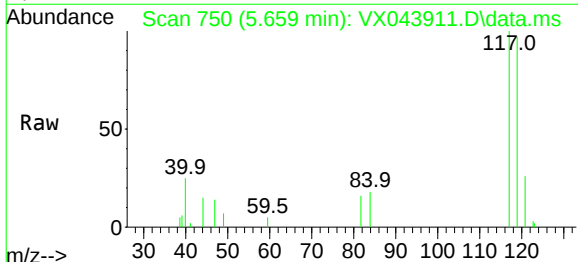
Manual Integrations
APPROVED

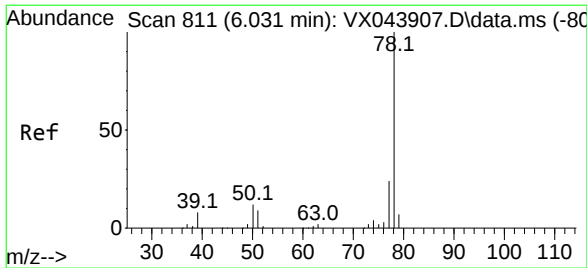
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#31
Carbon tetrachloride
Concen: 2.381 ug/L m
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion: 117	Resp: 6894
Ion Ratio	Lower Upper
117 100	
119 4.4	77.7 116.5





#33

Benzene

Concen: 2.505 ug/L

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

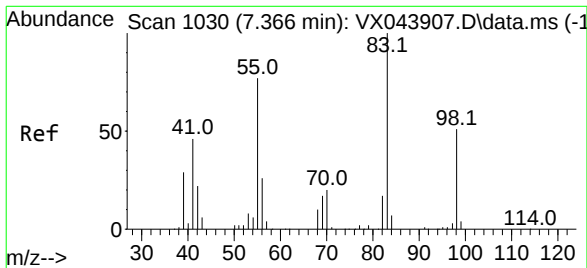
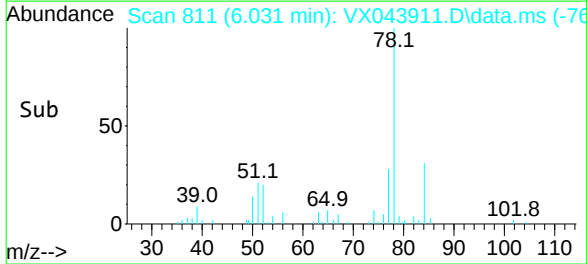
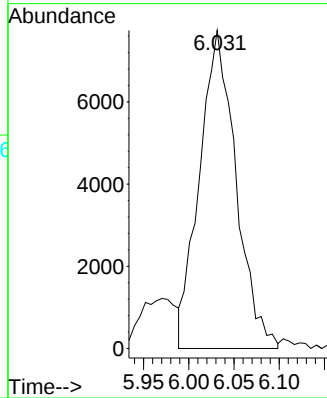
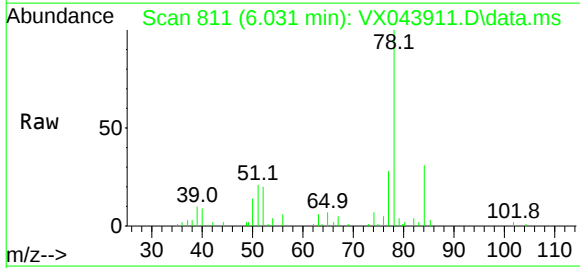
Tgt Ion: 78 Resp: 21665

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Mahesh Dadoda 11/25/2024



#35

Methylcyclohexane

Concen: 2.676 ug/L

RT: 7.373 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

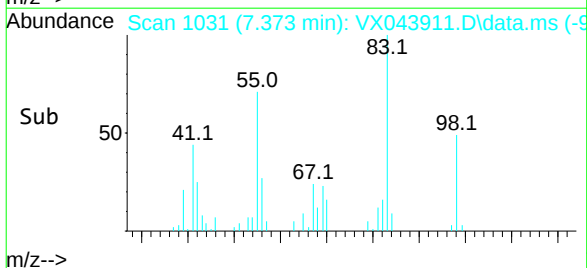
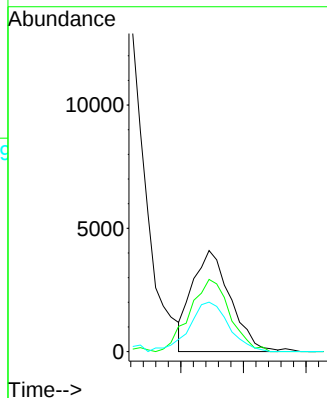
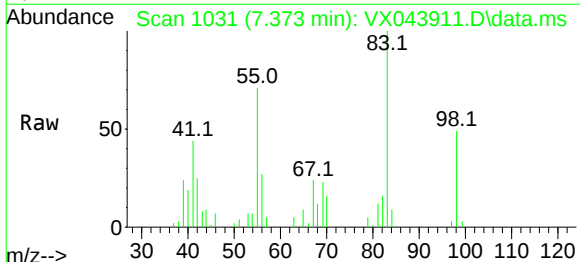
Tgt Ion: 83 Resp: 8684

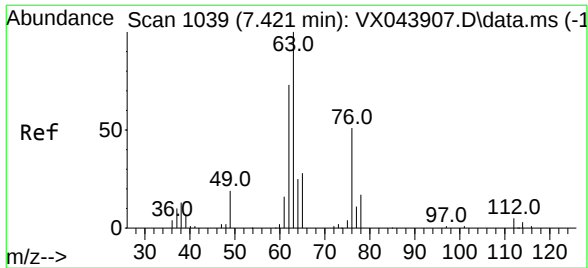
Ion Ratio Lower Upper

83 100

55 75.0 58.5 87.7

98 50.8 40.5 60.7





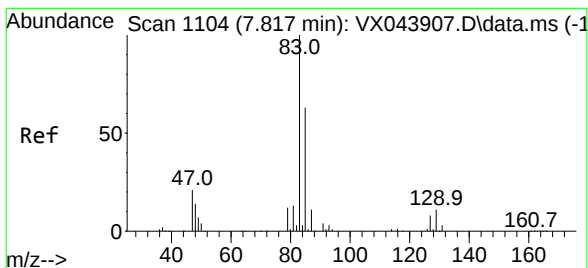
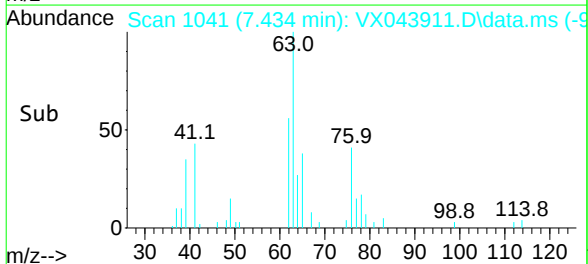
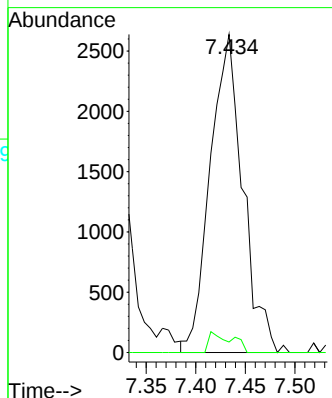
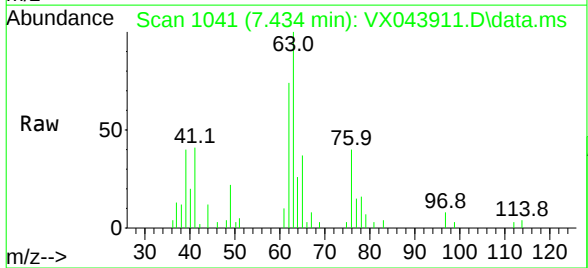
#37
 1,2-Dichloropropane
 Concen: 2.684 ug/L m
 RT: 7.434 min Scan# 1039
 Delta R.T. 0.013 min
 Lab File: VX043911.D
 Acq: 20 Nov 2024 12:40

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT4-2024-08

Tgt Ion:	63	Resp:	6025
Ion	Ratio	Lower	Upper
63	100		
112	1.4	3.6	5.4#

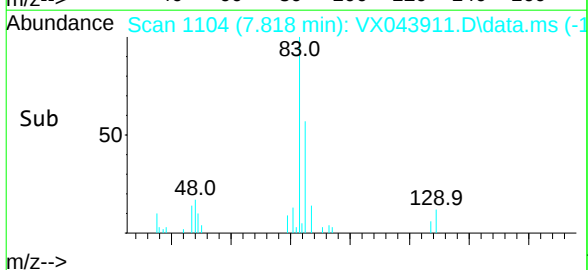
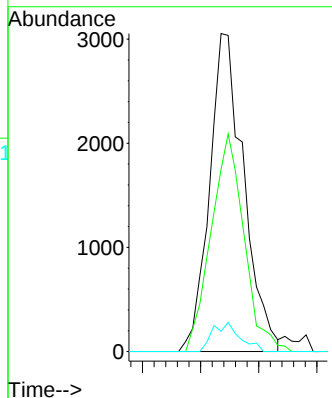
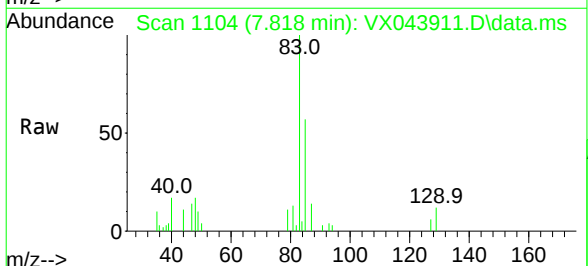
Manual Integrations
 APPROVED

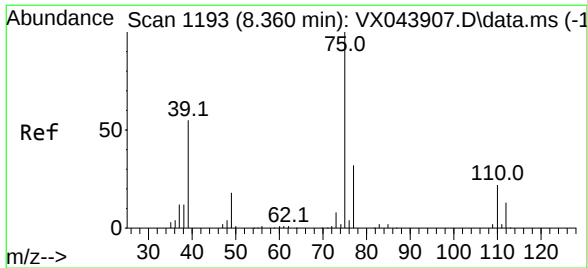
Reviewed By :John Carlone 11/21/2024
 Supervised By :Mahesh Dadoda 11/25/2024



#38
 Bromodichloromethane
 Concen: 2.219 ug/L
 RT: 7.818 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: VX043911.D
 Acq: 20 Nov 2024 12:40

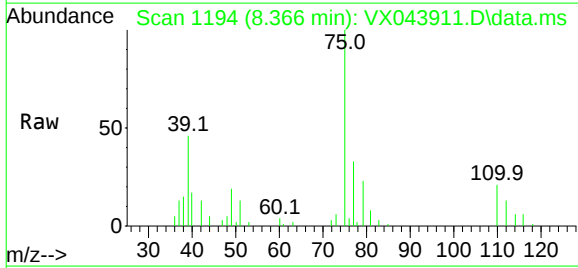
Tgt Ion:	83	Resp:	6245
Ion	Ratio	Lower	Upper
83	100		
85	57.3	44.1	81.9
127	6.4	7.0	10.4#





#39
cis-1,3-Dichloropropene
Concen: 2.410 ug/L
RT: 8.366 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

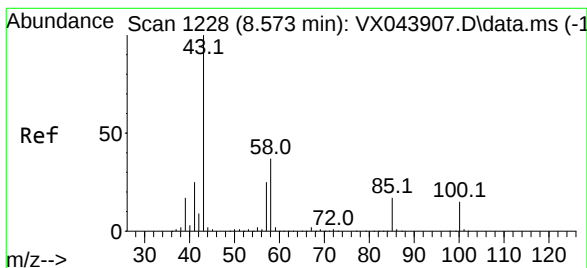
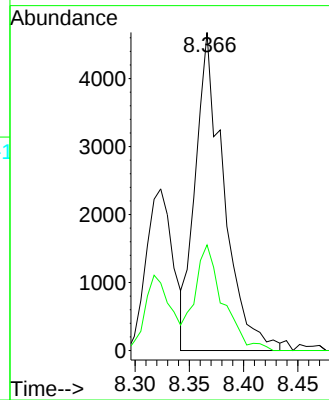
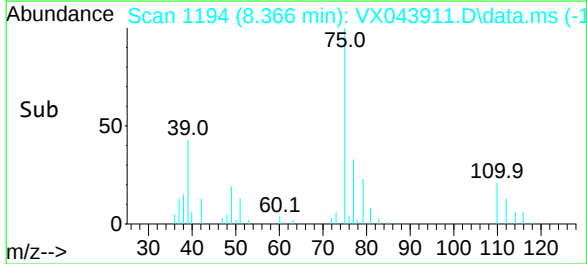
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-08



Tgt Ion: 75 Resp: 8522
Ion Ratio Lower Upper
75 100
77 33.2 21.6 40.0

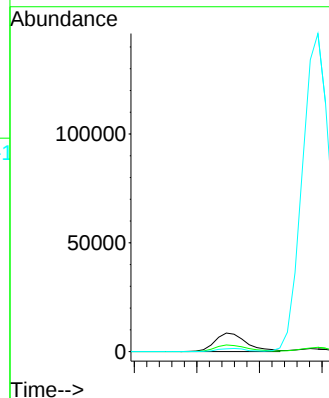
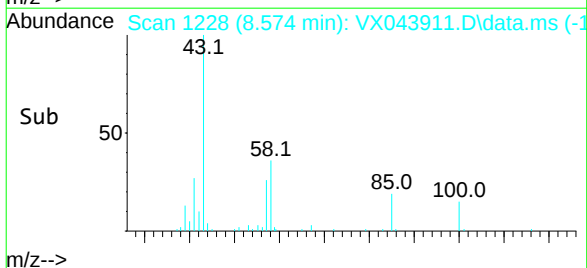
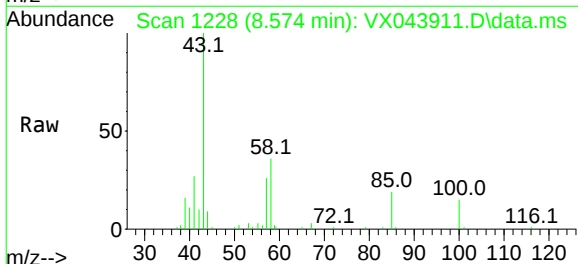
Manual Integrations
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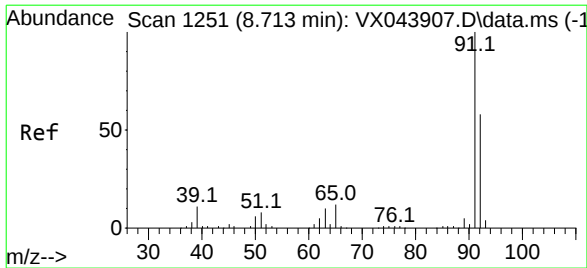
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#40
4-Methyl-2-pentanone
Concen: 4.858 ug/L
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion: 43 Resp: 14928
Ion Ratio Lower Upper
43 100
58 36.5 32.4 48.6
100 15.5 13.7 20.5





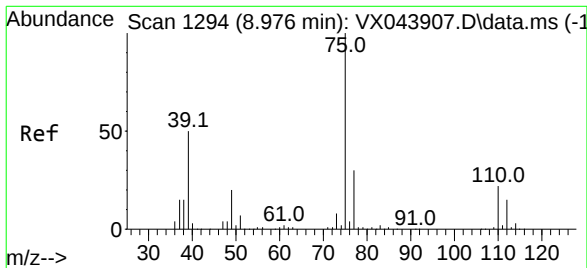
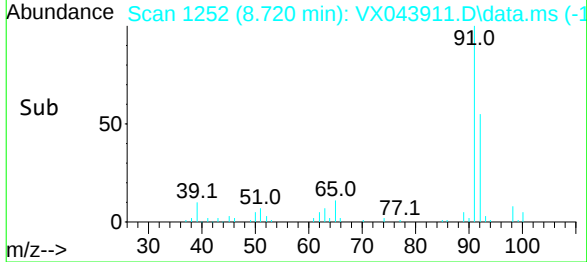
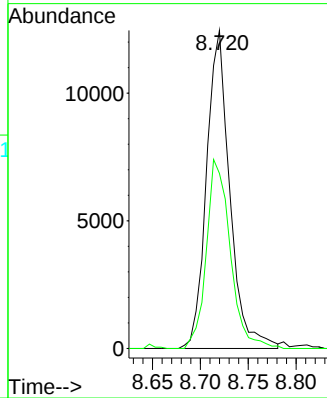
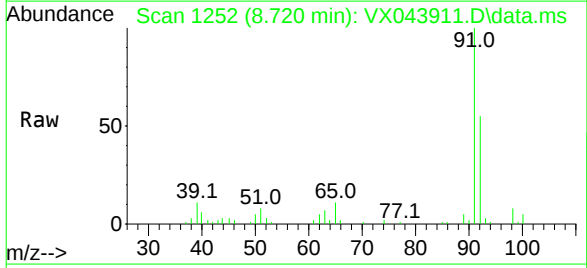
#42
Toluene
Concen: 2.417 ug/L
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08

Tgt Ion: 91 Resp: 21065
Ion Ratio Lower Upper
91 100
92 55.0 40.7 75.5

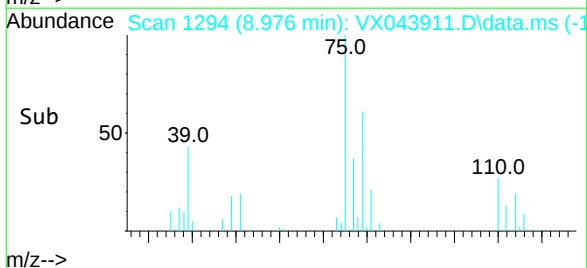
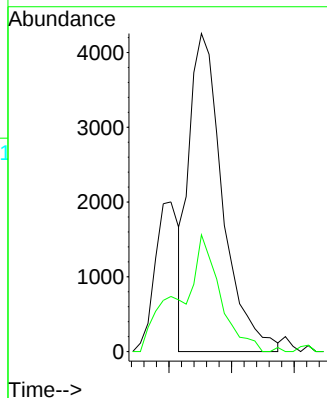
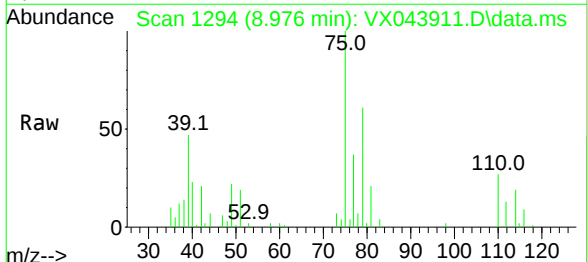
Manual Integrations
APPROVED

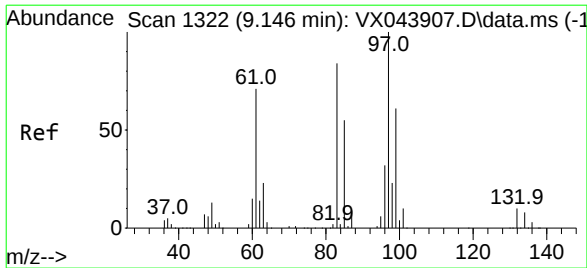
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#44
trans-1,3-Dichloropropene
Concen: 2.498 ug/L
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion: 75 Resp: 7941
Ion Ratio Lower Upper
75 100
77 36.7 21.8 40.6





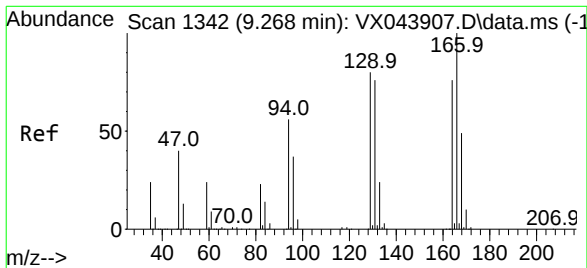
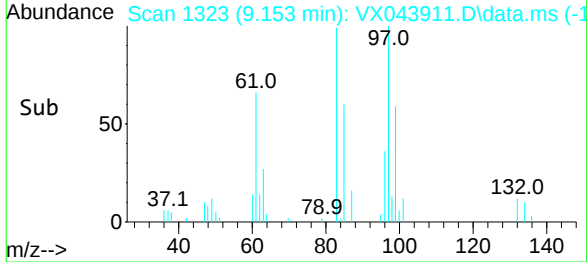
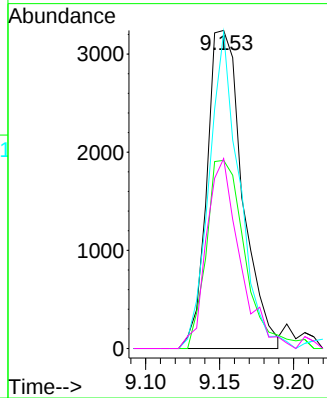
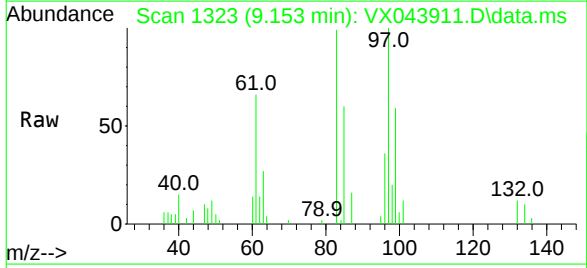
#45
1,1,2-Trichloroethane
Concen: 2.456 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08

Tgt Ion:	97	Resp:	5421
Ion	Ratio	Lower	Upper
97	100		
99	59.1	43.4	80.6
83	99.4	60.2	111.8
85	59.7	39.3	72.9

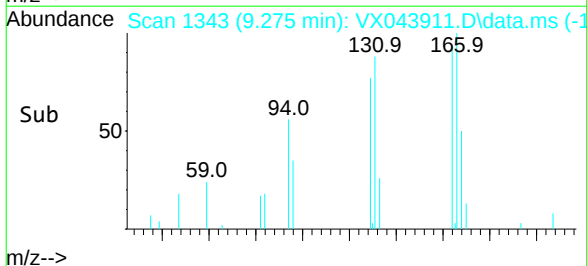
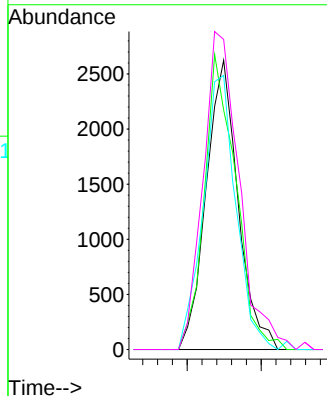
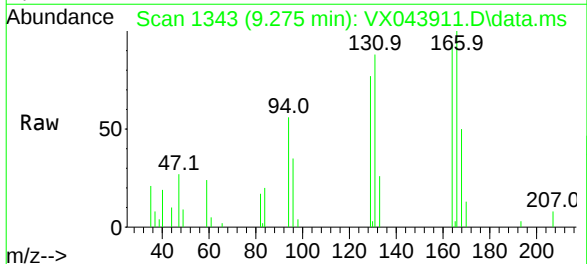
Manual Integrations
APPROVED

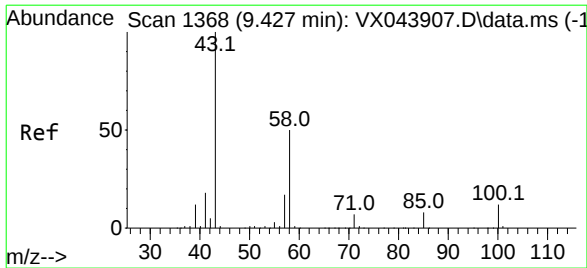
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#46
Tetrachloroethene
Concen: 2.539 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion:	164	Resp:	3926
Ion	Ratio	Lower	Upper
164	100		
129	82.8	73.6	136.6
131	94.8	70.2	130.4
166	107.2	92.0	170.8





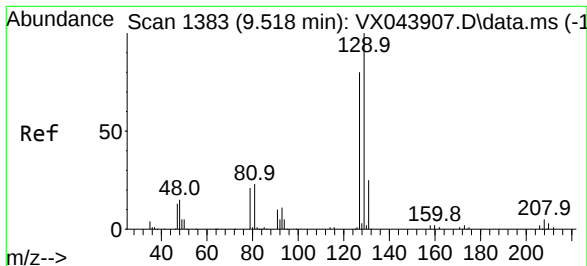
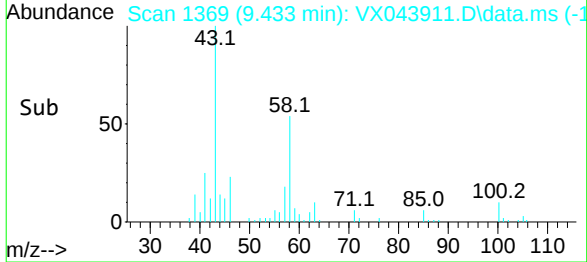
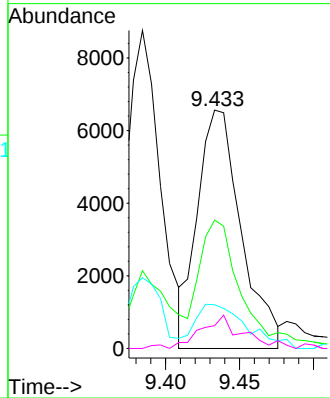
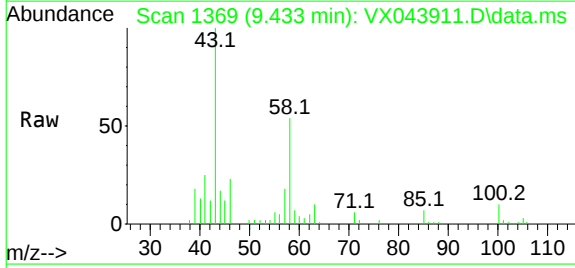
#48
2-Hexanone
Concen: 5.821 ug/L
RT: 9.433 min Scan# 1368
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08

Tgt Ion: 43	Resp: 13502
Ion Ratio	Lower Upper
43 100	
58 47.3	45.4 68.2
57 21.3	15.4 23.0
100 9.0	10.6 15.8#

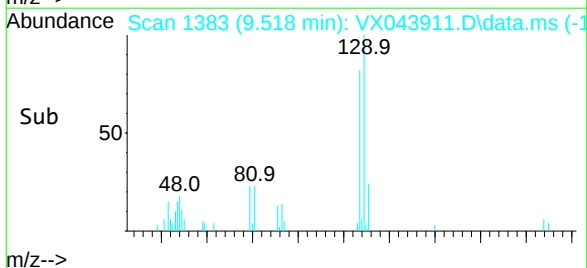
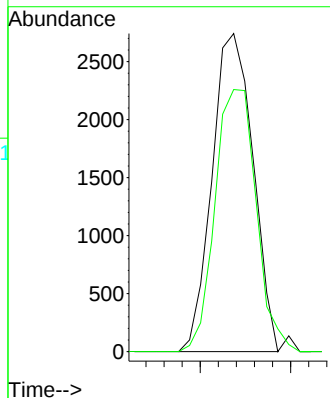
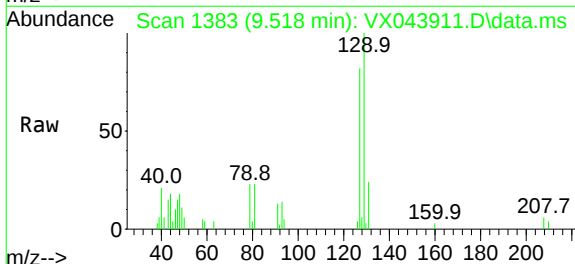
Manual Integrations
APPROVED

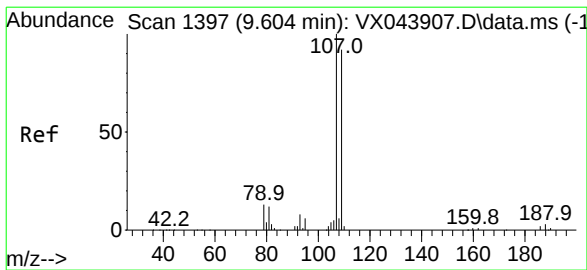
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#49
Dibromochloromethane
Concen: 2.114 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion: 129	Resp: 4313
Ion Ratio	Lower Upper
129 100	
127 80.2	53.5 99.5





#50

1,2-Dibromoethane

Concen: 2.399 ug/L

RT: 9.610 min Scan# 13

Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

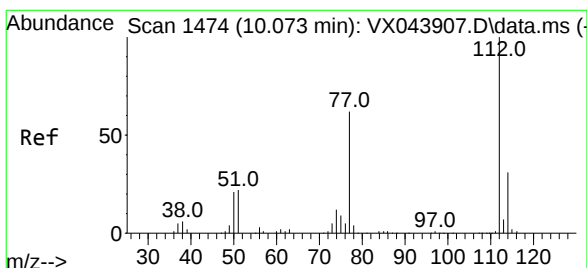
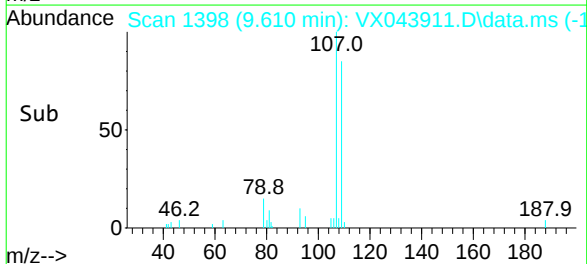
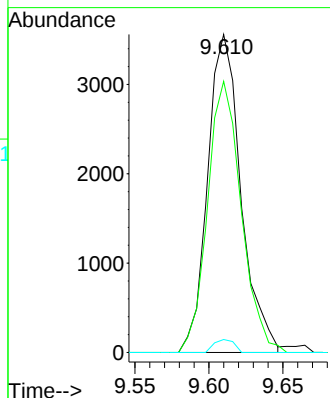
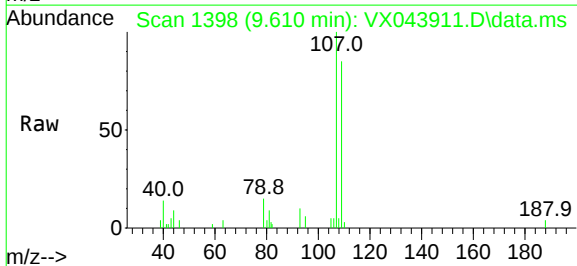
Tgt Ion:	107	Resp:	5577
Ion	Ratio	Lower	Upper
107	100		
109	85.3	65.5	121.7
188	4.1	2.6	4.0

Manual Integrations

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Reviewed By :John Carlone 11/21/2024

Supervised By :Mahesh Dadoda 11/25/2024



#51

Chlorobenzene

Concen: 2.642 ug/L

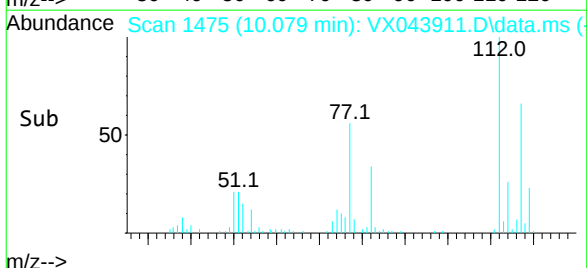
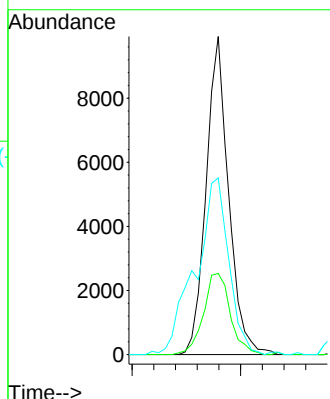
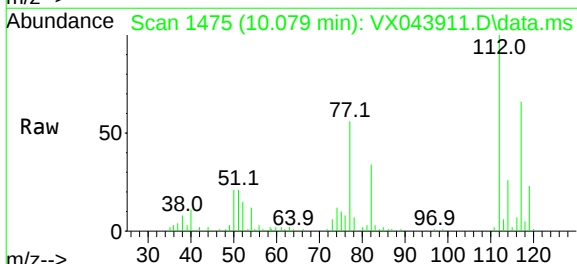
RT: 10.079 min Scan# 1475

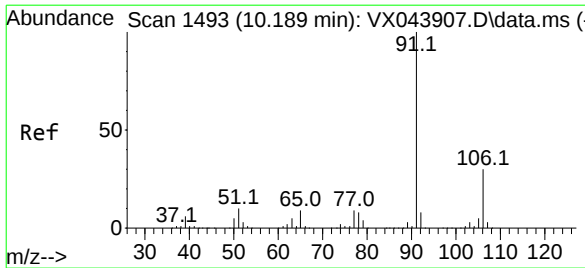
Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Tgt Ion:	112	Resp:	14282
Ion	Ratio	Lower	Upper
112	100		
114	25.5	22.9	42.5
77	55.5	48.0	72.0





#52

Ethylbenzene

Concen: 2.452 ug/L

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

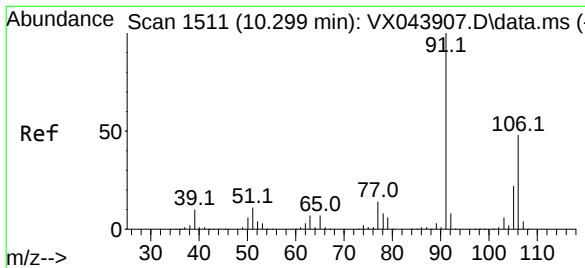
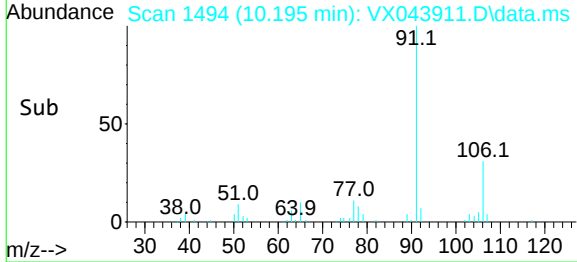
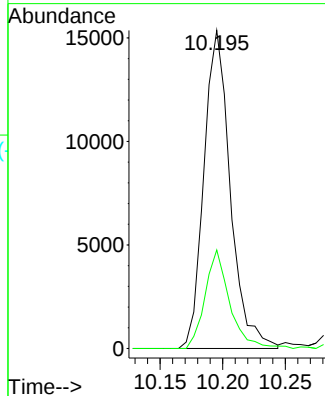
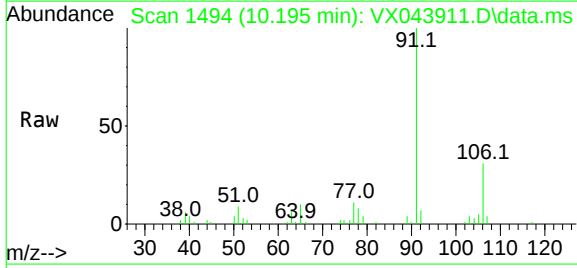
ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

Tgt Ion: 91 Resp: 22527
 Ion Ratio Lower Upper
 91 100
 106 31.0 21.1 39.1

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/21/2024
 Supervised By :Mahesh Dadoda 11/25/2024



#53

m,p-Xylene

Concen: 2.278 ug/L

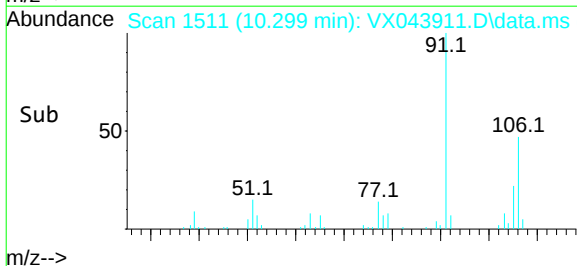
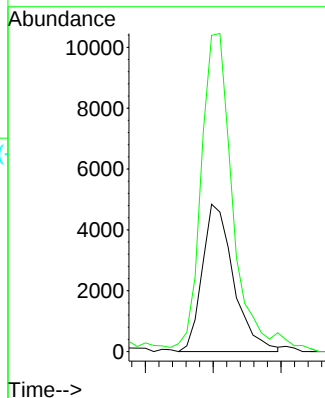
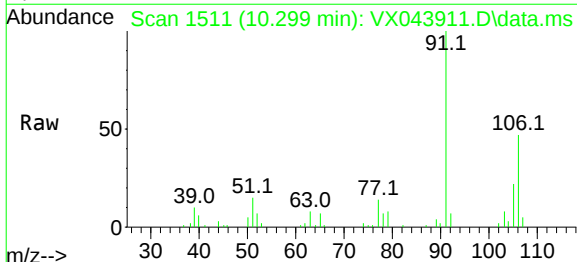
RT: 10.299 min Scan# 1511

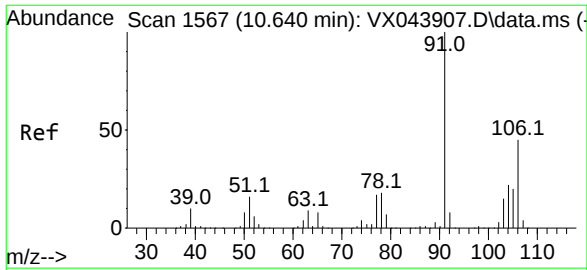
Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Tgt Ion:106 Resp: 7772
 Ion Ratio Lower Upper
 106 100
 91 214.7 147.5 273.9





#54

o-Xylene

Concen: 2.607 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

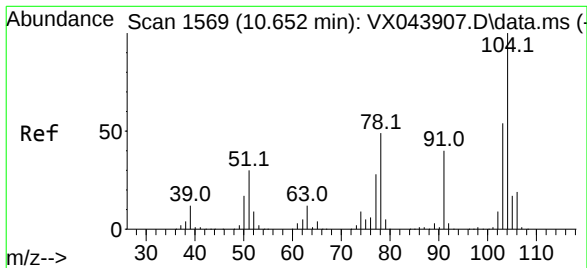
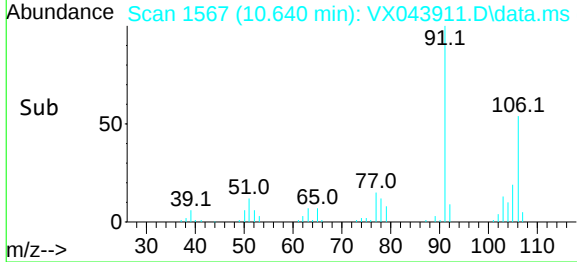
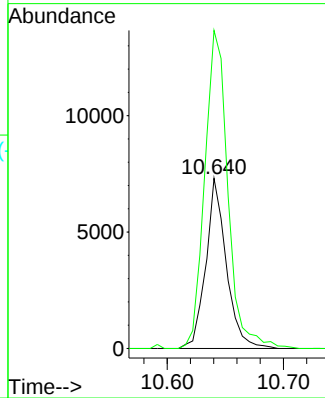
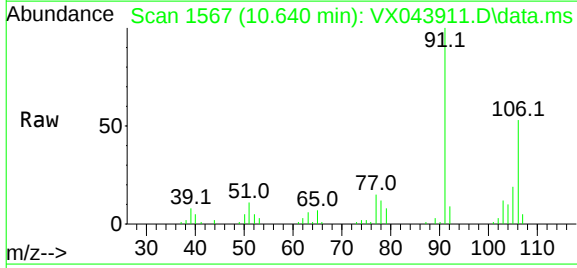
MDL-MED-SOIL-QT4-2024-08

Tgt Ion:106 Resp: 8955
 Ion Ratio Lower Upper
 106 100
 91 186.9 153.7 285.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024
 Supervised By :Mahesh Dadoda 11/25/2024



#55

Styrene

Concen: 2.409 ug/L

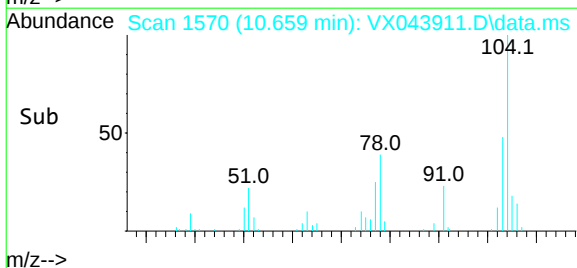
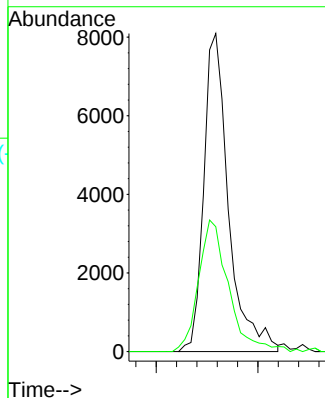
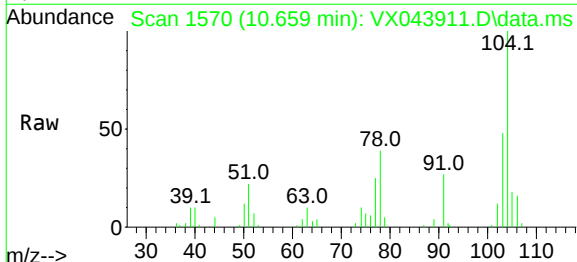
RT: 10.659 min Scan# 1570

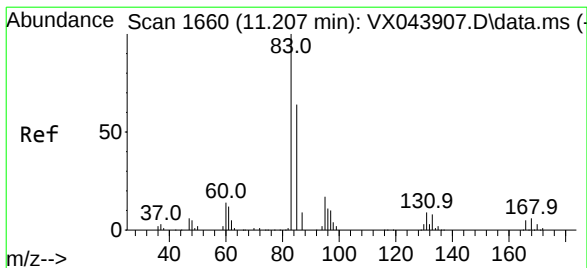
Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Tgt Ion:104 Resp: 13696
 Ion Ratio Lower Upper
 104 100
 78 39.2 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 2.867 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

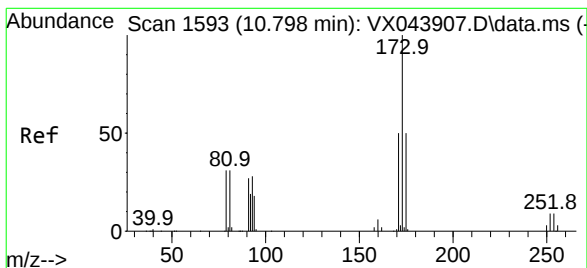
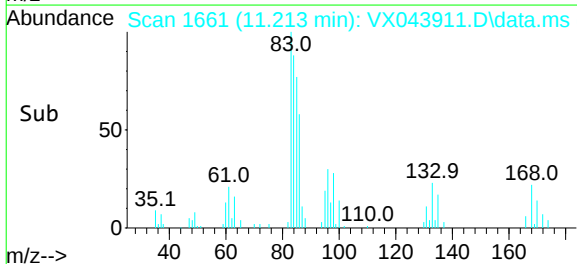
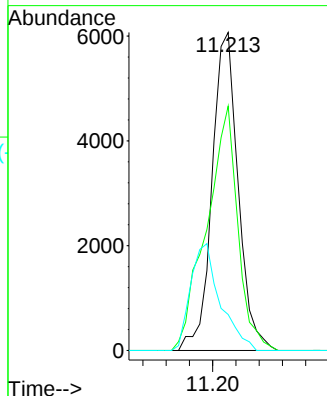
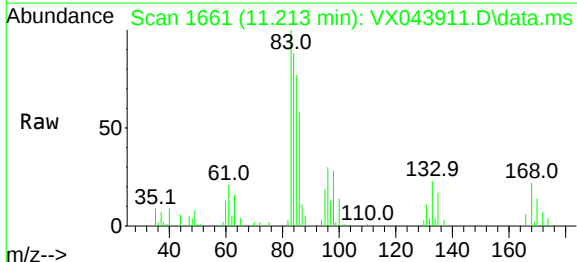
Tgt Ion:	83	Resp:	9471
Ion	Ratio	Lower	Upper
83	100		
85	76.8	46.0	85.4
131	11.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Mahesh Dadoda 11/25/2024



#59

Bromoform

Concen: 2.108 ug/L

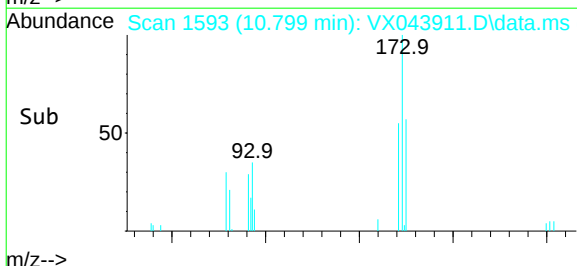
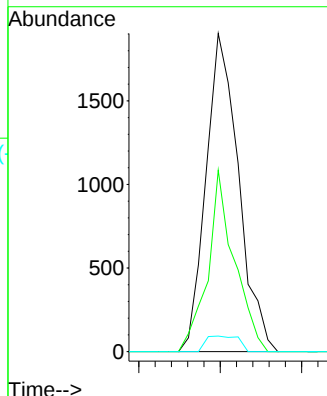
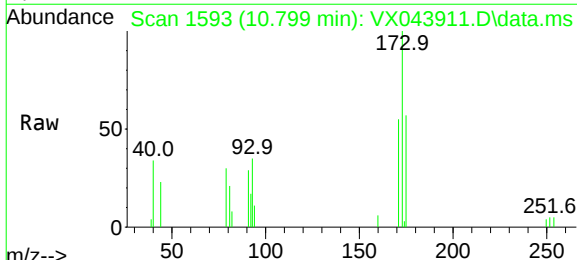
RT: 10.799 min Scan# 1593

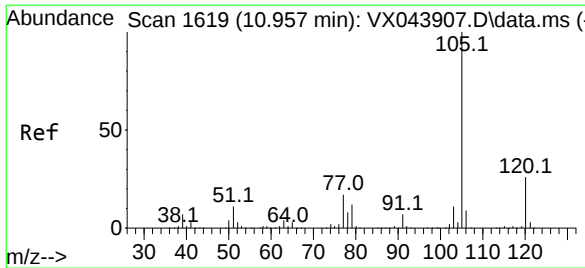
Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Tgt Ion:	173	Resp:	2650
Ion	Ratio	Lower	Upper
173	100		
175	46.5	40.0	60.0
254	3.7	6.3	9.5





#60

Isopropylbenzene

Concen: 2.390 ug/L

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

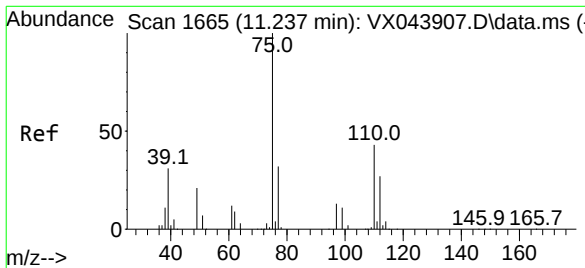
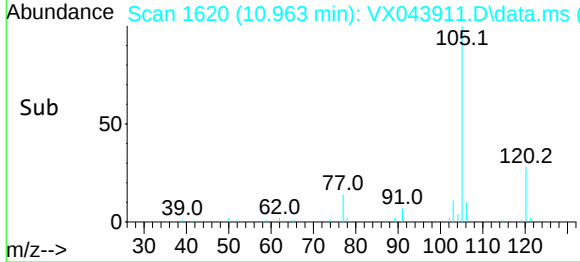
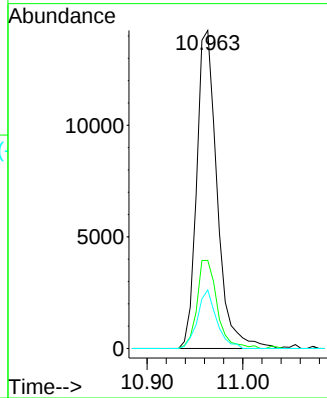
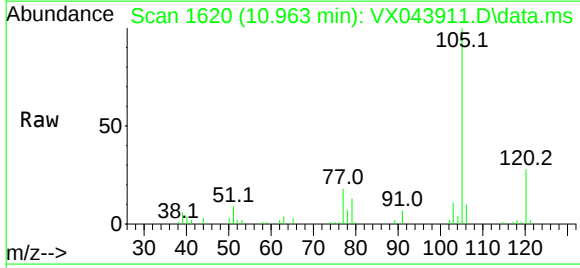
Tgt Ion:	105	Resp:	21131
Ion Ratio	Lower	Upper	
105	100		
120	27.5	20.6	31.0
77	17.2	13.4	20.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Mahesh Dadoda 11/25/2024



#61

1,2,3-Trichloropropane

Concen: 2.724 ug/L

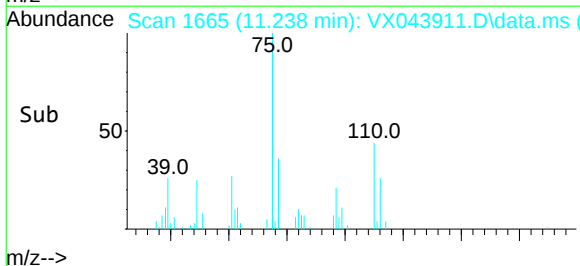
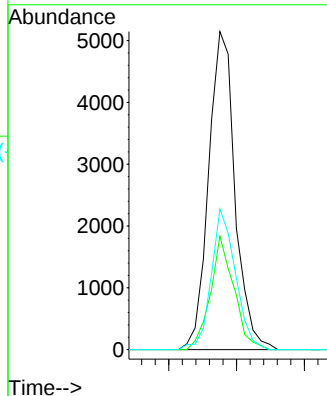
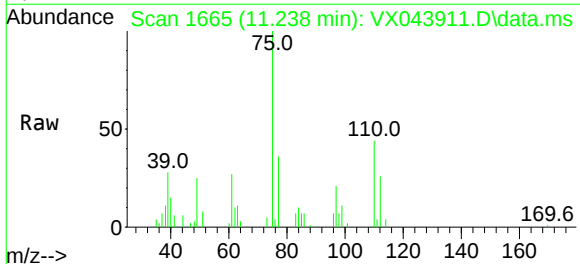
RT: 11.238 min Scan# 1665

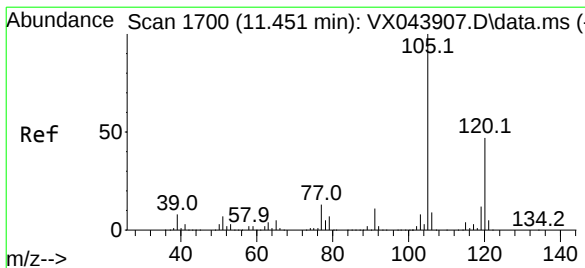
Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Tgt Ion:	75	Resp:	6965
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.8	38.6
110	40.7	33.3	49.9





#62

1,3,5-Trimethylbenzene

Concen: 2.502 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

Tgt Ion:105 Resp: 17479

Ion Ratio Lower Upper

105 100

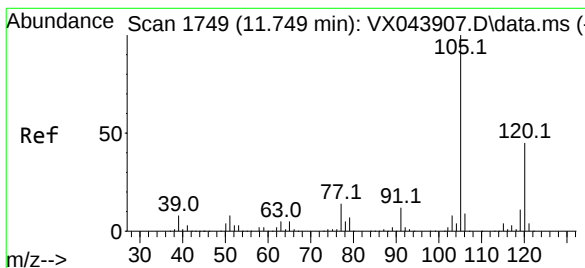
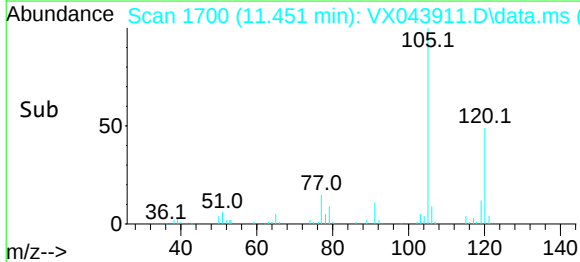
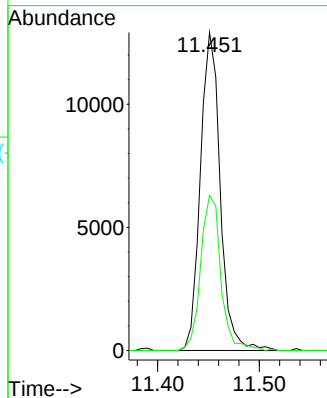
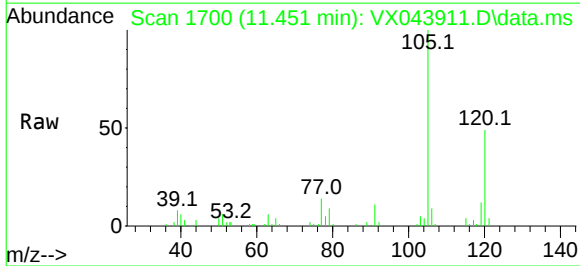
120 48.7 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Mahesh Dadoda 11/25/2024



#63

1,2,4-Trimethylbenzene

Concen: 2.343 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043911.D

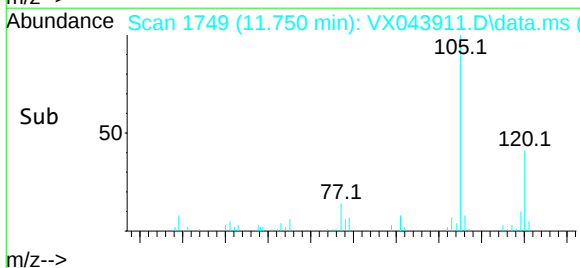
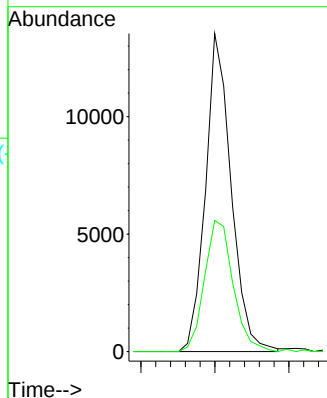
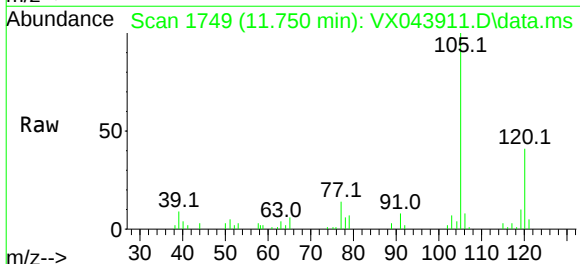
Acq: 20 Nov 2024 12:40

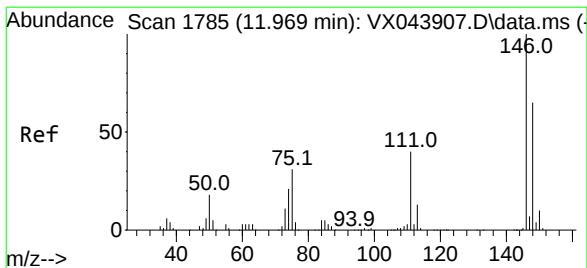
Tgt Ion:105 Resp: 16320

Ion Ratio Lower Upper

105 100

120 45.9 34.5 51.7





#64

1,3-Dichlorobenzene

Concen: 2.587 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

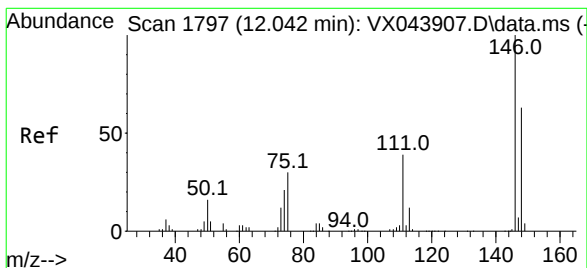
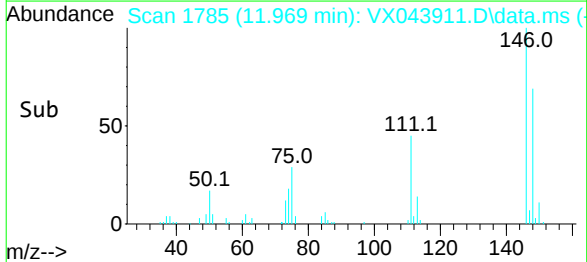
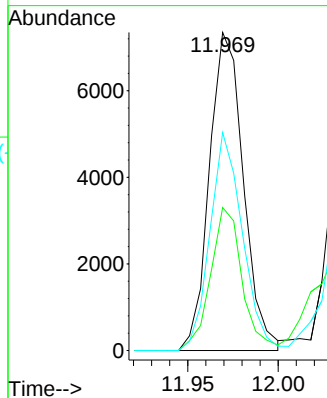
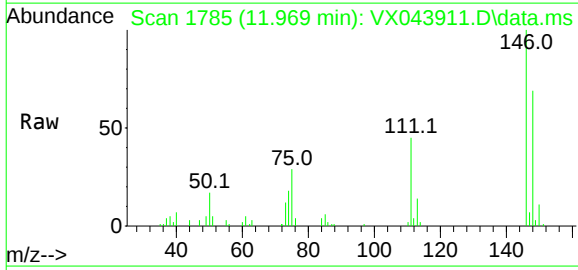
Tgt Ion:	146	Resp:	9597
Ion Ratio	Lower	Upper	
146	100		
111	45.0	28.8	53.4
148	68.5	46.1	85.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Mahesh Dadoda 11/25/2024



#65

1,4-Dichlorobenzene

Concen: 2.797 ug/L

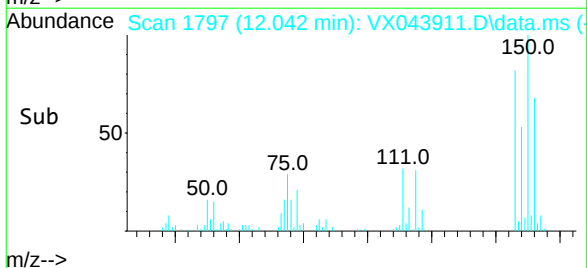
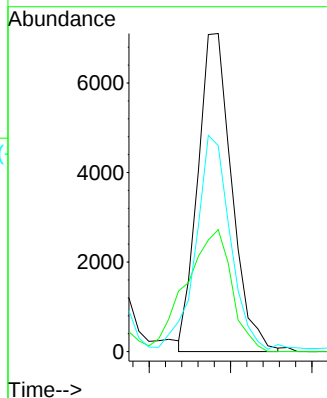
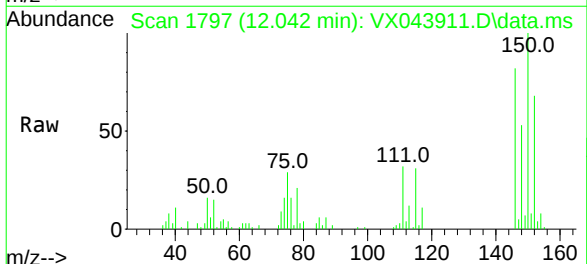
RT: 12.042 min Scan# 1797

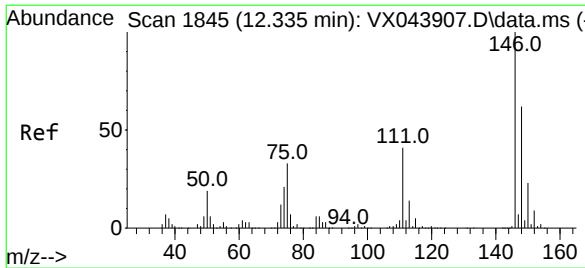
Delta R.T. 0.000 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

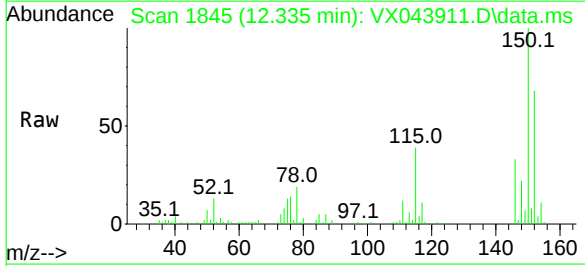
Tgt Ion:	146	Resp:	10303
Ion Ratio	Lower	Upper	
146	100		
111	38.3	29.5	54.7
148	64.7	43.2	80.2





#67
1,2-Dichlorobenzene
Concen: 2.828 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

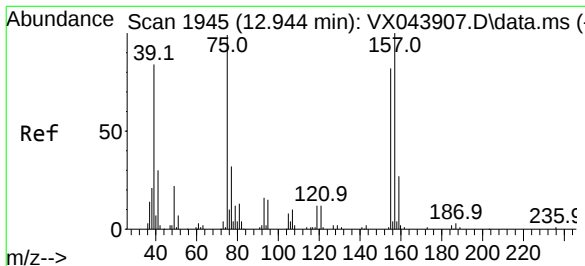
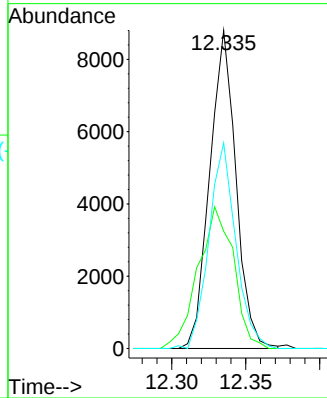
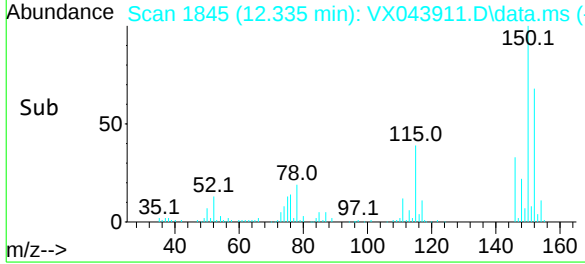
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08



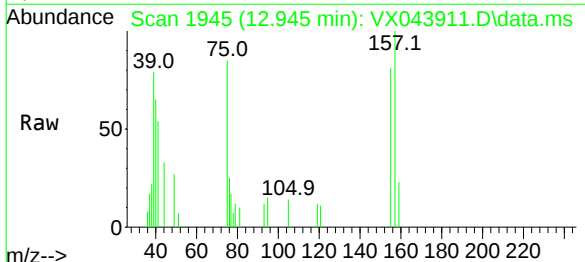
Tgt Ion:	146	Resp:	10862
Ion Ratio	Lower	Upper	
146	100		
111	36.9	34.3	51.5
148	64.6	52.6	79.0

Manual Integrations
APPROVED

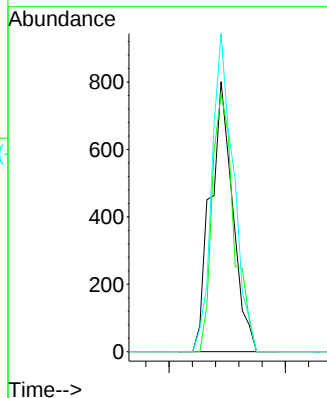
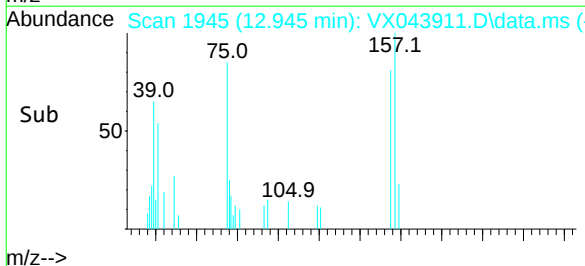
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024

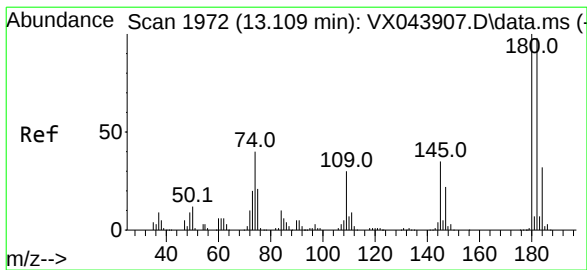


#68
1,2-Dibromo-3-chloropropane
Concen: 1.668 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40



Tgt Ion:	75	Resp:	1067
Ion Ratio	Lower	Upper	
75	100		
155	95.6	60.5	90.7#
157	117.9	73.5	110.3#





#69

1,3,5-Trichlorobenzene

Concen: 2.598 ug/L

RT: 13.115 min Scan# 1972

Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2024-08

Tgt Ion:180 Resp: 6220

Ion Ratio Lower Upper

180 100

182 88.0 76.7 115.1

184 24.6 24.2 36.4

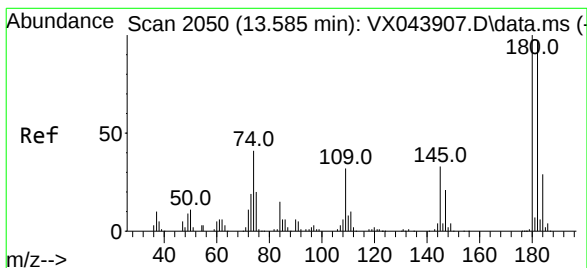
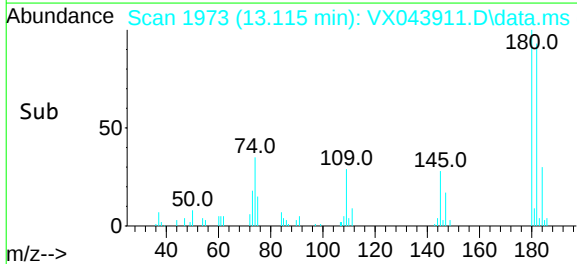
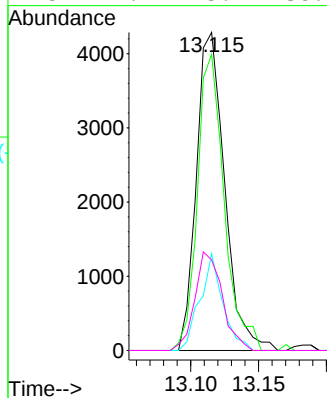
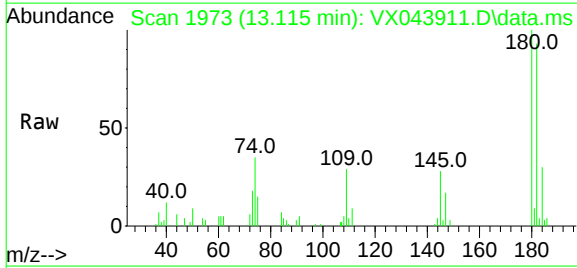
145 29.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/21/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

1,2,4-trichlorobenzene

Concen: 2.143 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX043911.D

Acq: 20 Nov 2024 12:40

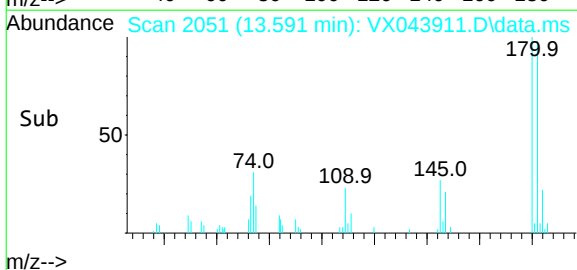
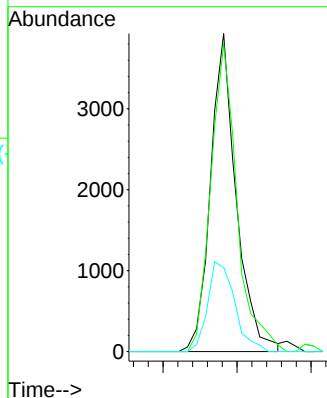
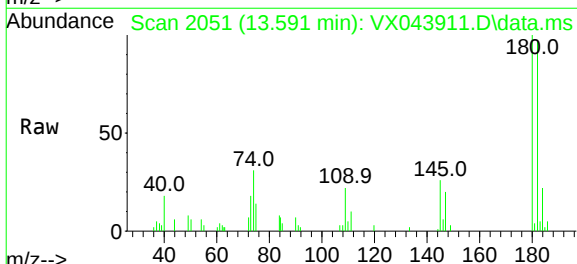
Tgt Ion:180 Resp: 4730

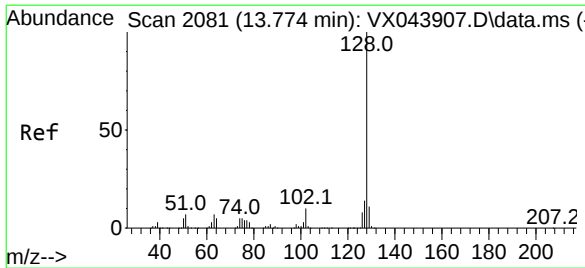
Ion Ratio Lower Upper

180 100

182 98.8 74.1 111.1

145 29.7 25.3 37.9





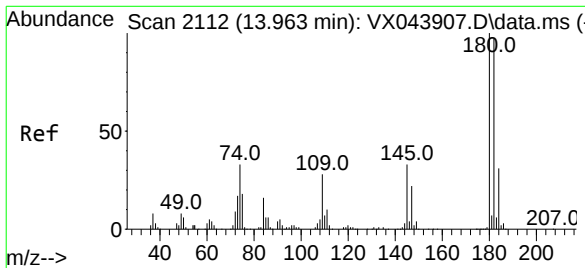
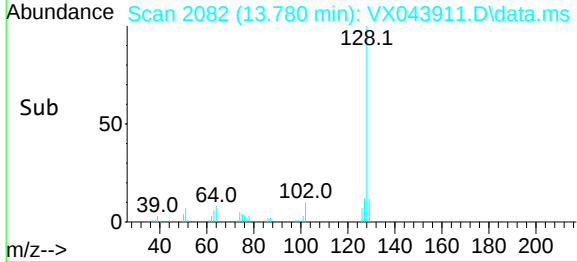
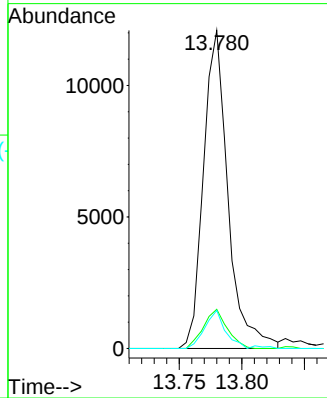
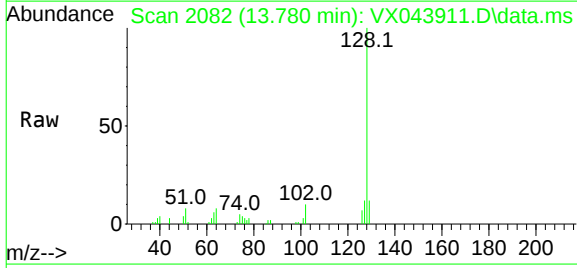
#71
Naphthalene
Concen: 2.006 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2024-08

Tgt Ion:	128	Resp:	16467
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.1	15.1
129	10.0	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/25/2024



#72
1,2,3-Trichlorobenzene
Concen: 2.171 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043911.D
Acq: 20 Nov 2024 12:40

Tgt Ion:	180	Resp:	4829
Ion	Ratio	Lower	Upper
180	100		
182	100.7	73.8	110.6
145	36.7	27.4	41.2

