

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030724\
 Data File : VX040610.D
 Acq On : 06 Mar 2024 17:44
 Operator : JC/MD
 Sample : P1601-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Quant Time: Mar 07 03:25:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML030724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 07 01:31:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2024
 Supervised By : Mahesh Dadoda 03/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	148337	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	141829	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	69902	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	65895	50.677	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.360%
7) Chloroethane-d5	1.666	69	53550	51.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.160%
11) 1,1-Dichloroethene-d2	2.306	65	29950	50.036	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.080%
21) 2-Butanone-d5	4.452	46	107245	107.480	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.480%
24) Chloroform-d	5.062	84	121508	50.319	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.640%
26) 1,2-Dichloroethane-d4	5.958	65	90905	50.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.840%
32) Benzene-d6	5.976	84	228550	52.525	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.040%
36) 1,2-Dichloropropane-d6	7.312	67	69674	51.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.340%
41) Toluene-d8	8.647	98	208563	49.737	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.480%
43) trans-1,3-Dichloroprop...	8.952	79	35958	50.098	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.200%
47) 2-Hexanone-d5	9.384	63	76840	103.265	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.260%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	103520	51.270	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.540%
66) 1,2-Dichlorobenzene-d4	12.323	152	77118	52.674	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3435	2.594	ug/L	99
3) Chloromethane	1.300	50	2906	2.525	ug/L	96
5) Vinyl chloride	1.374	62	3342	2.684	ug/L #	78
6) Bromomethane	1.611	94	1887	2.855	ug/L	89
8) Chloroethane	1.685	64	1796	2.516	ug/L	90
9) Trichlorofluoromethane	1.886	101	5074	2.929	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	3564	3.468	ug/L #	80
12) 1,1-Dichloroethene	2.313	96	2983	3.299	ug/L #	1
13) Acetone	2.380	43	3340	4.687	ug/L	97
14) Carbon disulfide	2.514	76	6848	2.617	ug/L	96
15) Methyl Acetate	2.709	43	2879	2.393	ug/L #	75
16) Methylene chloride	2.788	84	2732	2.744	ug/L	90
17) trans-1,2-Dichloroethene	3.093	96	2426	2.614	ug/L	73
18) Methyl tert-butyl Ether	3.123	73	7678	2.392	ug/L	99
19) 1,1-Dichloroethane	3.611	63	4419	2.450	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	2707	2.601	ug/L	93
22) 2-Butanone	4.574	43	4610m	4.886	ug/L	
23) Bromochloromethane	4.910	128	1363	2.567	ug/L #	70
25) Chloroform	5.092	83	8905	4.375	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	4776	2.670	ug/L	98
29) Cyclohexane	5.477	56	3870	2.483	ug/L	98
30) 1,1,1-Trichloroethane	5.391	97	4262	2.413	ug/L	96
31) Carbon tetrachloride	5.684	117	3368m	2.272	ug/L	
33) Benzene	6.037	78	9063	2.379	ug/L	100
35) Methylcyclohexane	7.385	83	4060	2.470	ug/L	97
37) 1,2-Dichloropropane	7.440	63	2452	2.431	ug/L #	94
38) Bromodichloromethane	7.824	83	3644	2.443	ug/L #	90
39) cis-1,3-Dichloropropene	8.372	75	4114	2.423	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	7902	4.570	ug/L	99
42) Toluene	8.720	91	10323	2.470	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	3877	2.344	ug/L	88
45) 1,1,2-Trichloroethane	9.153	97	2479	2.381	ug/L	88
46) Tetrachloroethene	9.275	164	2137	2.646	ug/L	96
48) 2-Hexanone	9.433	43	7288	5.086	ug/L	99
49) Dibromochloromethane	9.525	129	2471	2.271	ug/L	74
50) 1,2-Dibromoethane	9.610	107	2751	2.457	ug/L #	96
51) Chlorobenzene	10.079	112	6661	2.460	ug/L	99
52) Ethylbenzene	10.195	91	11703	2.383	ug/L	97
53) m,p-Xylene	10.305	106	4213	2.359	ug/L	94
54) o-Xylene	10.640	106	3719	2.170	ug/L	100
55) Styrene	10.659	104	7157	2.396	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	4336	2.527	ug/L	93
59) Bromoform	10.799	173	1777	2.192	ug/L	96
60) Isopropylbenzene	10.963	105	10823	2.306	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	3557	2.554	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	9004	2.314	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	8325	2.140	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	5211	2.536	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	5861	2.805	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	5382	2.755	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	914m	2.241	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	3663	2.656	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	3393	2.653	ug/L	94
71) Naphthalene	13.774	128	9404	2.313	ug/L	95
72) 1,2,3-Trichlorobenzene	13.963	180	3163	2.511	ug/L	96

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

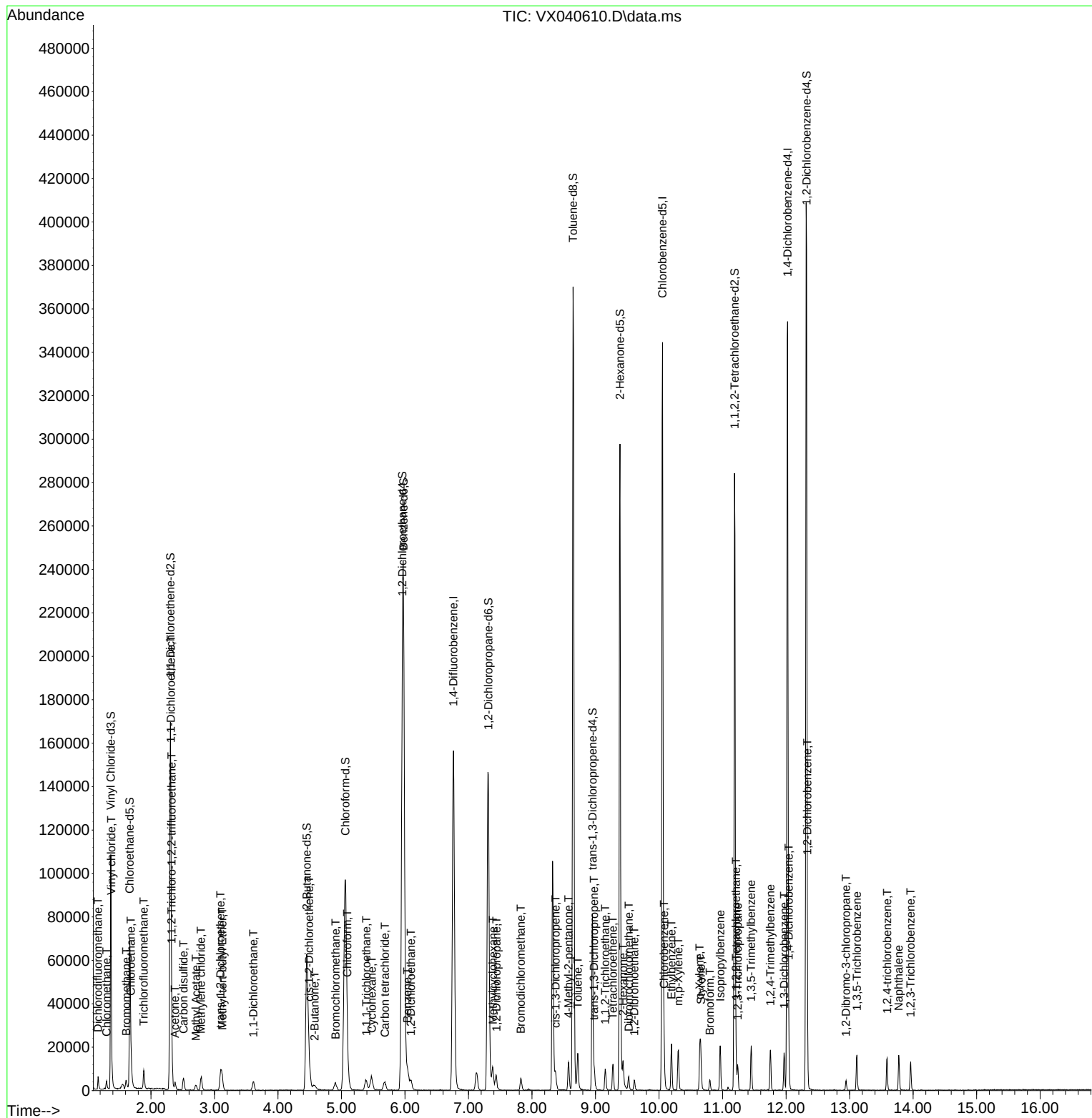
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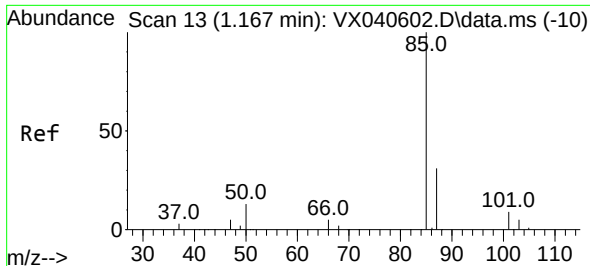
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MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

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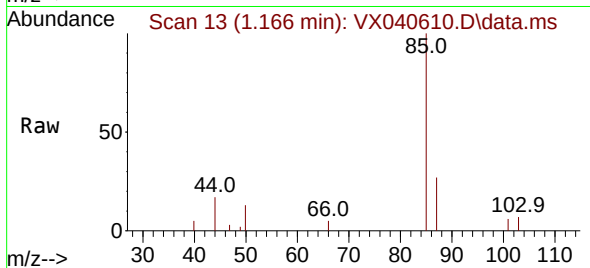
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024





#2
Dichlorodifluoromethane
Concen: 2.594 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

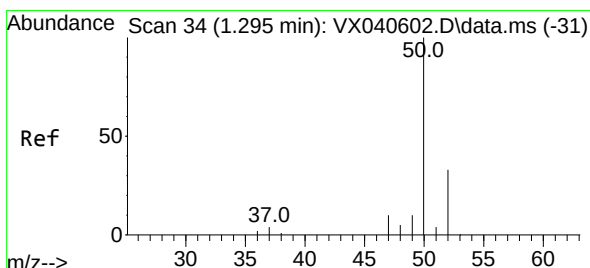
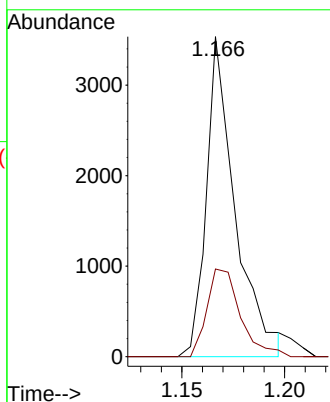
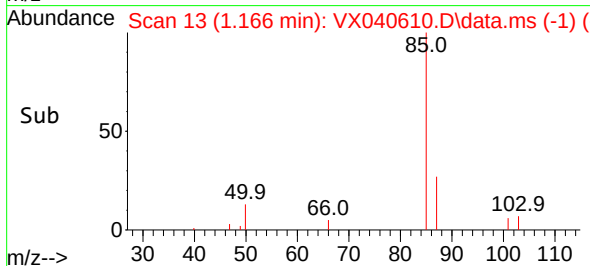
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01



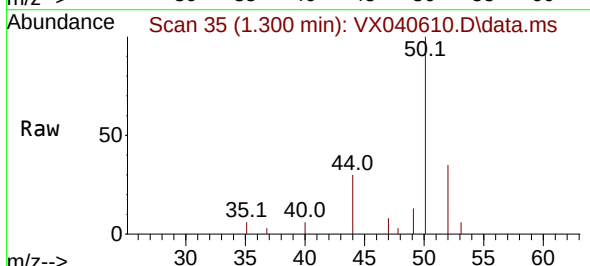
Tgt Ion: 85 Resp: 343
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1

Manual Integrations
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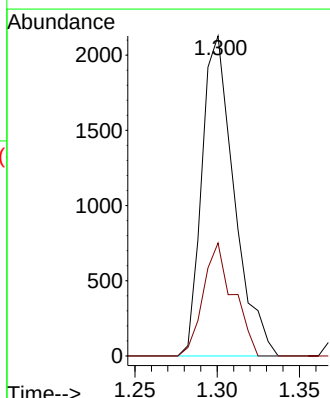
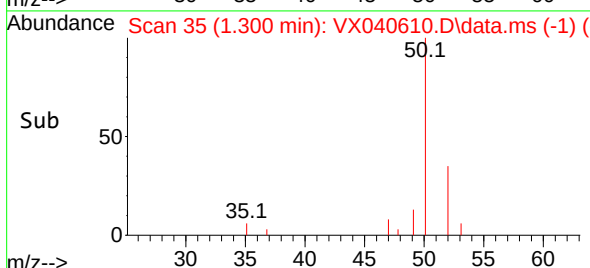
Reviewed By :John Carlone 03/07/2024
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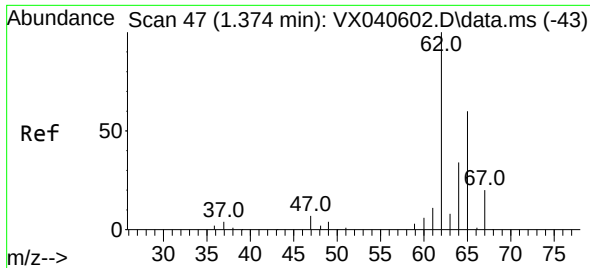


#3
Chloromethane
Concen: 2.525 ug/L
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44



Tgt Ion: 50 Resp: 2906
Ion Ratio Lower Upper
50 100
52 35.3 23.1 42.9





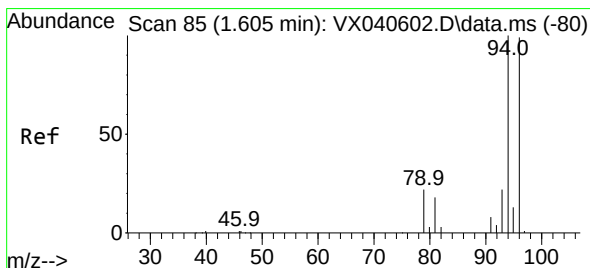
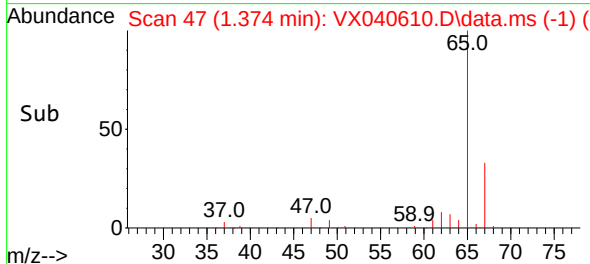
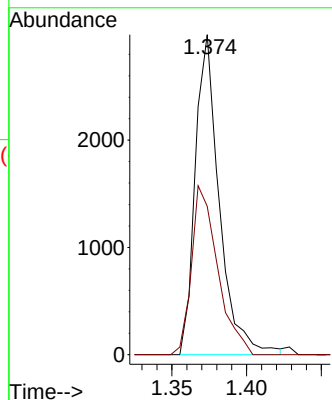
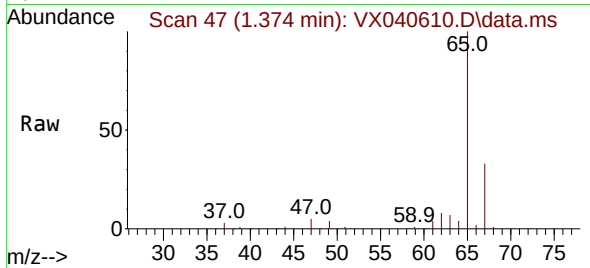
#5
 Vinyl chloride
 Concen: 2.684 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX040610.D
 Acq: 06 Mar 2024 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 62 Resp: 334
 Ion Ratio Lower Upper
 62 100
 64 46.4 23.8 44.2

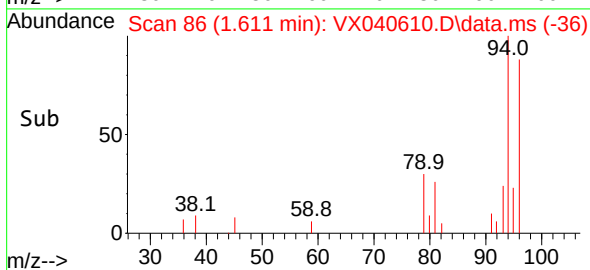
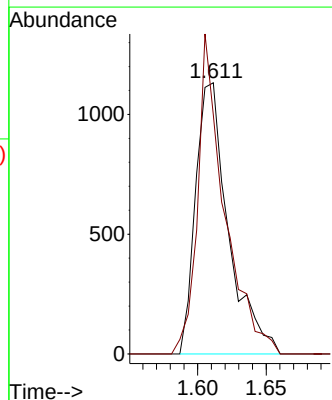
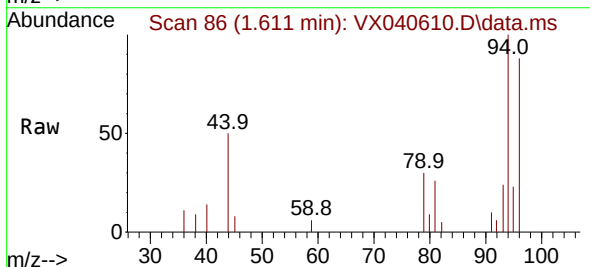
Manual Integrations
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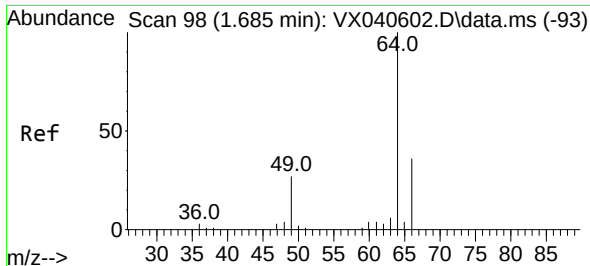
Reviewed By :John Carlone 03/07/2024
 Supervised By :Mahesh Dadoda 03/11/2024



#6
 Bromomethane
 Concen: 2.855 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX040610.D
 Acq: 06 Mar 2024 17:44

Tgt Ion: 94 Resp: 1887
 Ion Ratio Lower Upper
 94 100
 96 88.2 69.0 128.2





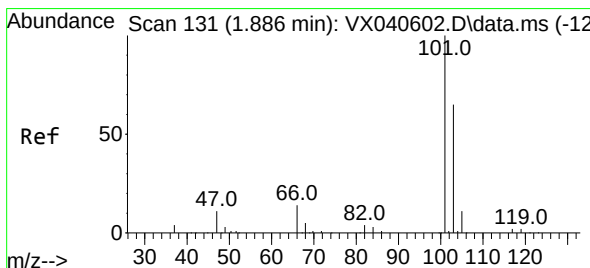
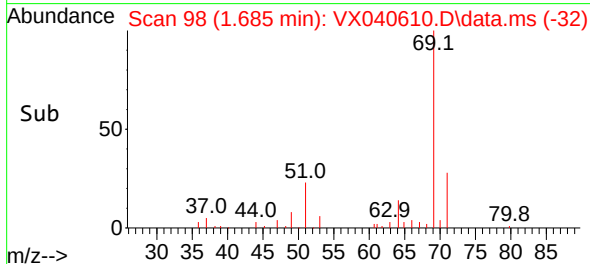
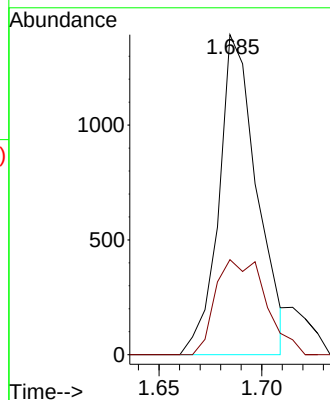
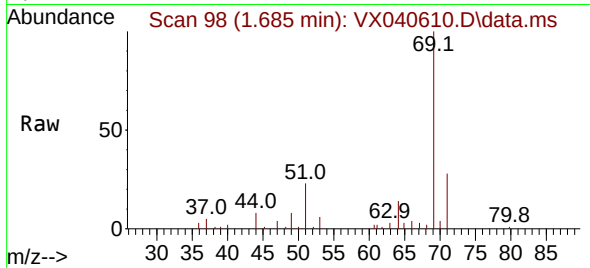
#8
Chloroethane
Concen: 2.516 ug/L
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 64 Resp: 1790
Ion Ratio Lower Upper
64 100
66 29.7 25.0 46.4

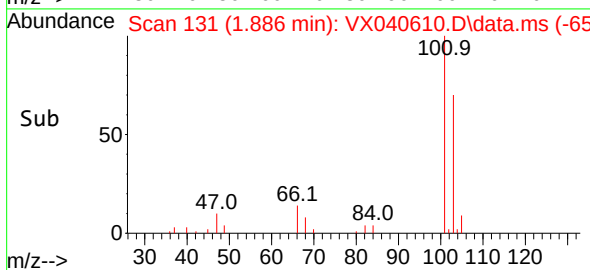
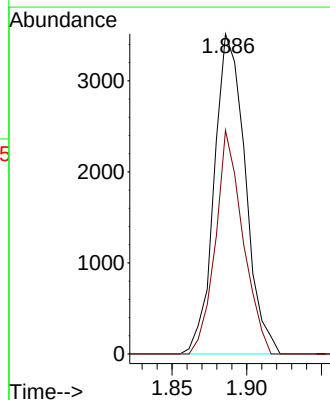
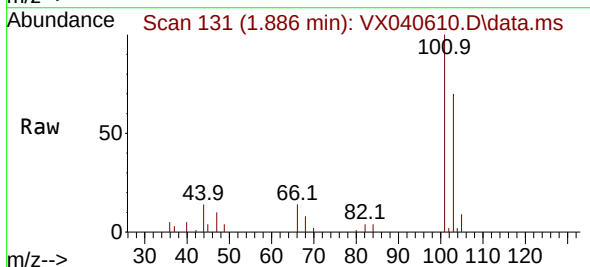
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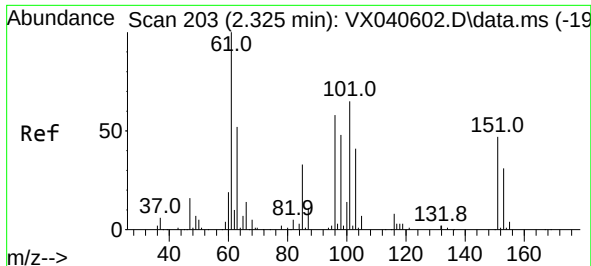
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#9
Trichlorofluoromethane
Concen: 2.929 ug/L
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion:101 Resp: 5074
Ion Ratio Lower Upper
101 100
103 61.7 51.7 77.5





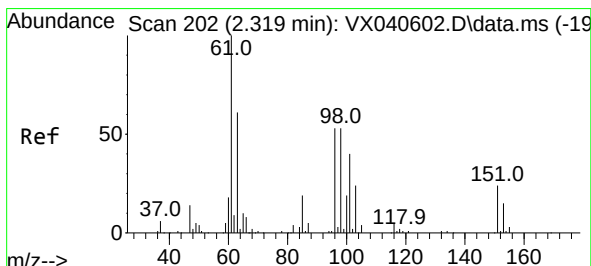
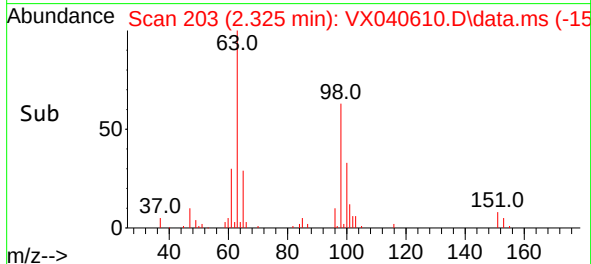
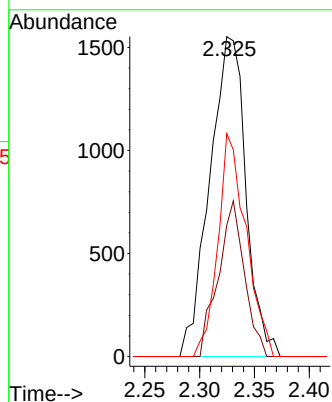
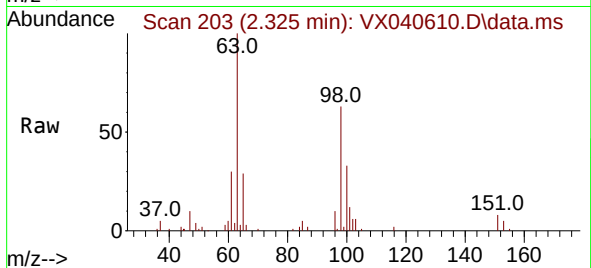
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.468 ug/L
RT: 2.325 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX040610.D
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Tgt Ion:101 Resp: 3564
Ion Ratio Lower Upper
101 100
85 35.2 38.3 57.5
151 54.4 57.7 86.5

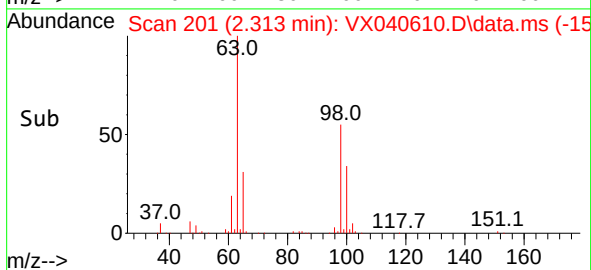
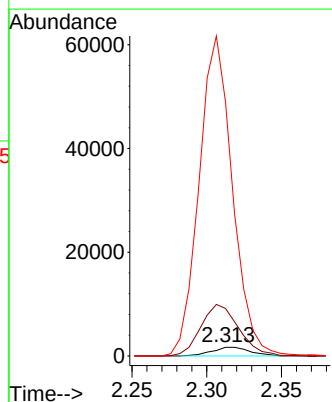
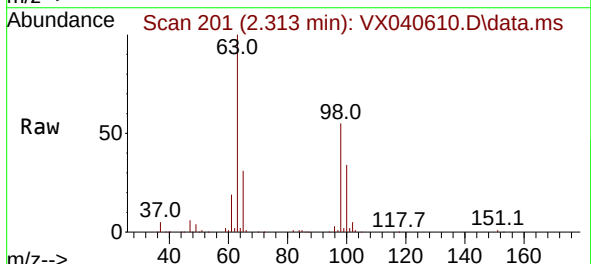
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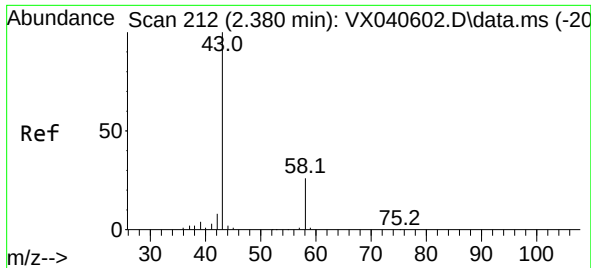
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#12
1,1-Dichloroethene
Concen: 3.299 ug/L
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion: 96 Resp: 2983
Ion Ratio Lower Upper
96 100
61 545.8 134.8 250.4#
63 2922.5 92.5 171.9#





#13

Acetone

Concen: 4.687 ug/L

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

Tgt Ion: 43 Resp: 3340

Ion Ratio Lower Upper

43 100

58 25.6 0.0 54.6

Instrument :

MSVOA_X

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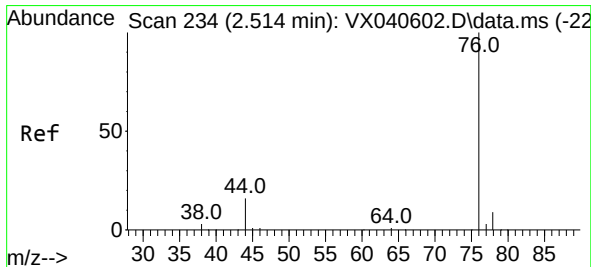
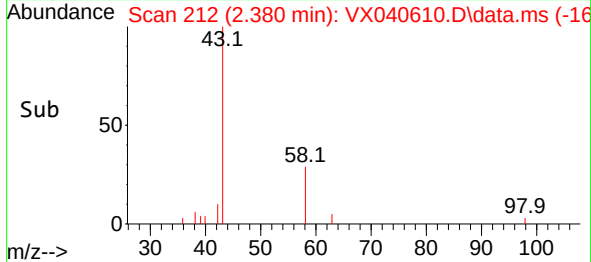
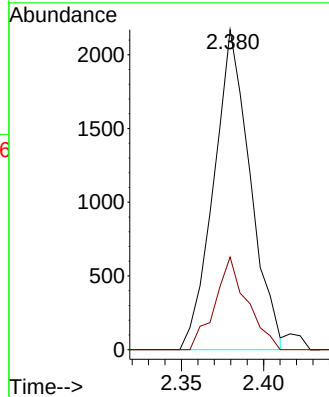
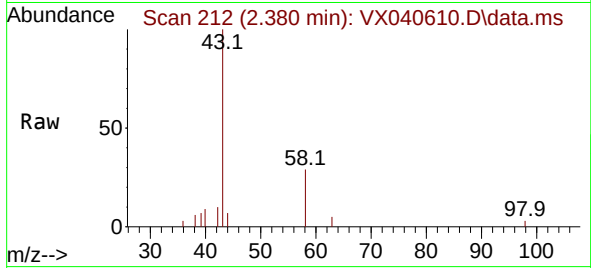
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#14

Carbon disulfide

Concen: 2.617 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

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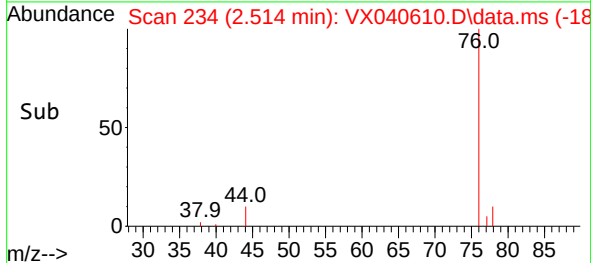
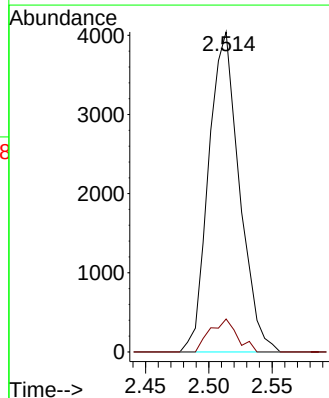
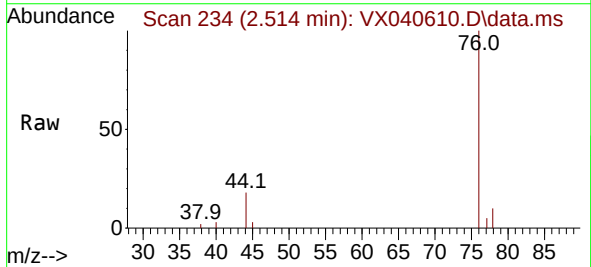
Acq: 06 Mar 2024 17:44

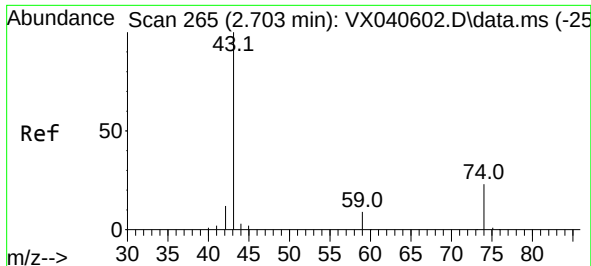
Tgt Ion: 76 Resp: 6848

Ion Ratio Lower Upper

76 100

78 10.3 7.2 10.8





#15

Methyl Acetate

Concen: 2.393 ug/L

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 43 Resp: 2879

Ion Ratio Lower Upper

43 100

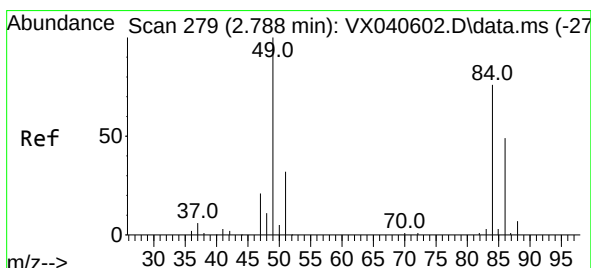
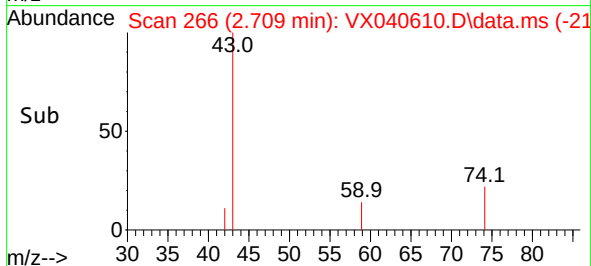
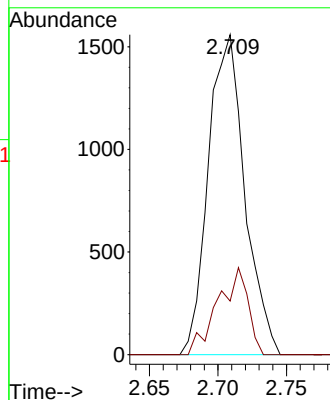
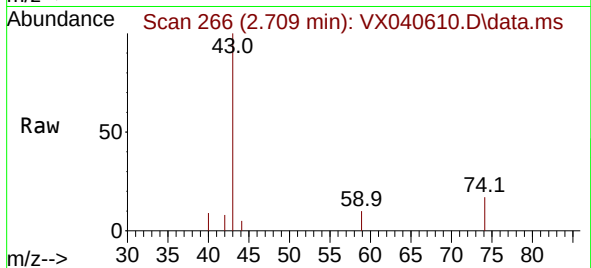
74 10.2 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#16

Methylene chloride

Concen: 2.744 ug/L

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

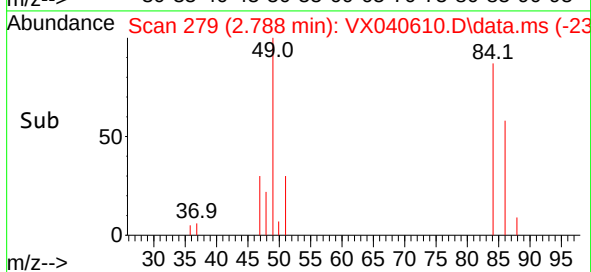
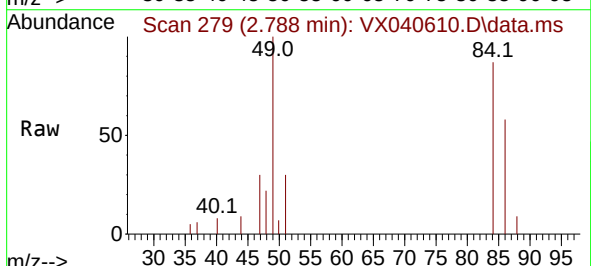
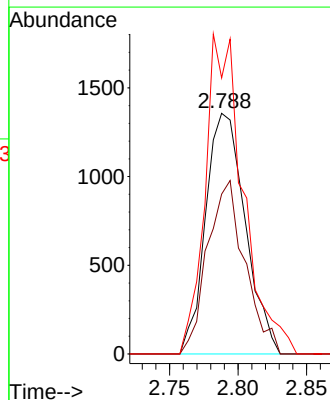
Tgt Ion: 84 Resp: 2732

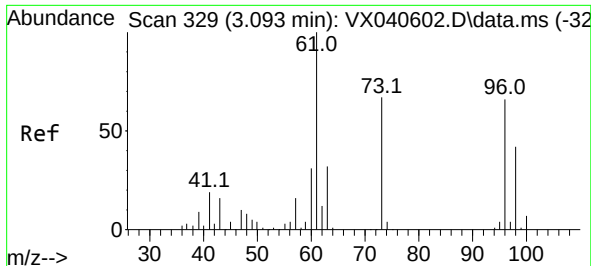
Ion Ratio Lower Upper

84 100

86 66.4 45.8 85.2

49 114.7 92.6 172.0





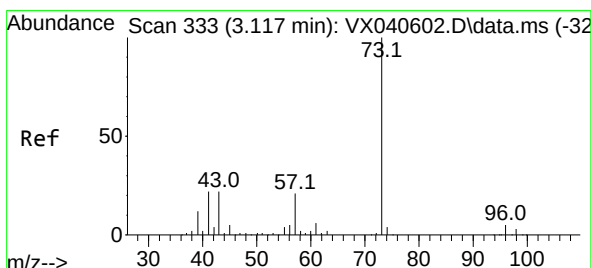
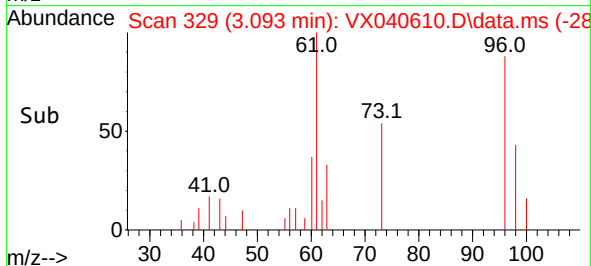
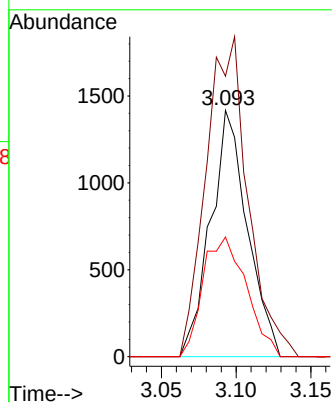
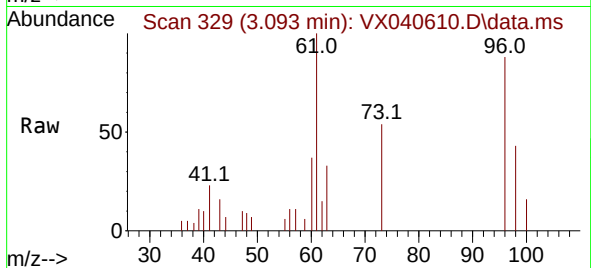
#17
trans-1,2-Dichloroethene
Concen: 2.614 ug/L
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 96 Resp: 2420
Ion Ratio Lower Upper
96 100
61 113.9 106.6 198.0
98 48.6 45.1 83.9

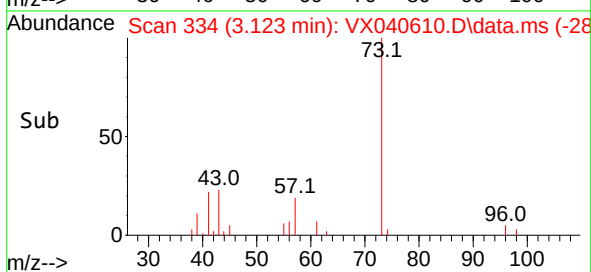
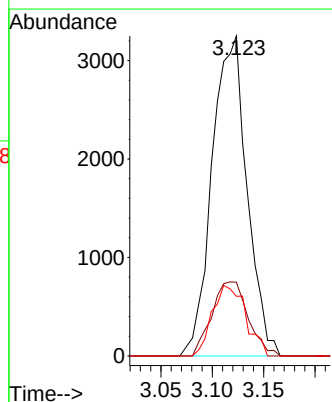
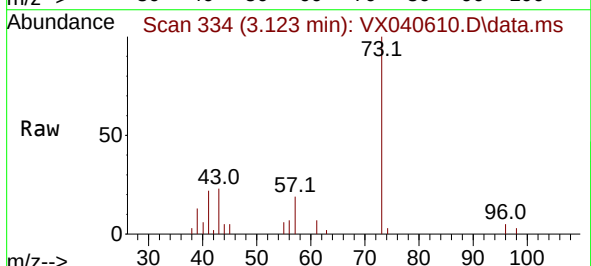
Manual Integrations
APPROVED

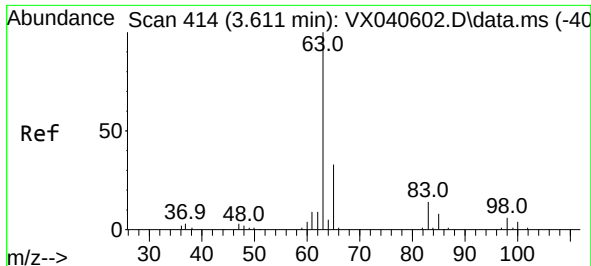
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#18
Methyl tert-butyl Ether
Concen: 2.392 ug/L
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion: 73 Resp: 7678
Ion Ratio Lower Upper
73 100
43 24.1 19.3 28.9
57 20.3 17.1 25.7





#19

1,1-Dichloroethane

Concen: 2.450 ug/L

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 63 Resp: 4419

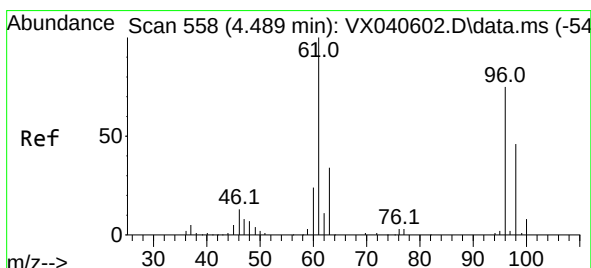
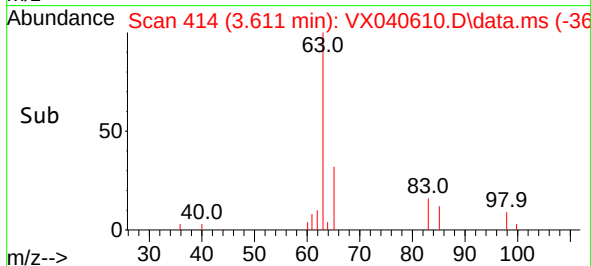
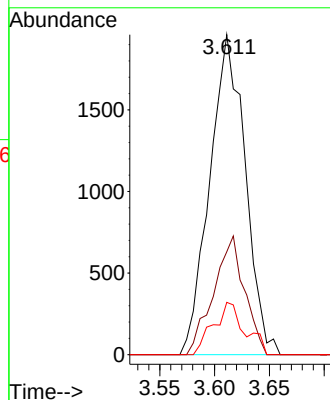
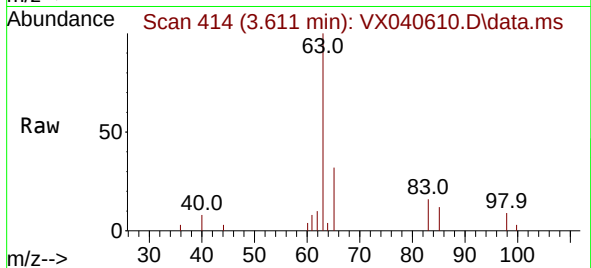
Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.1	42.9
83	16.4	9.9	18.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#20

cis-1,2-Dichloroethene

Concen: 2.601 ug/L

RT: 4.489 min Scan# 558

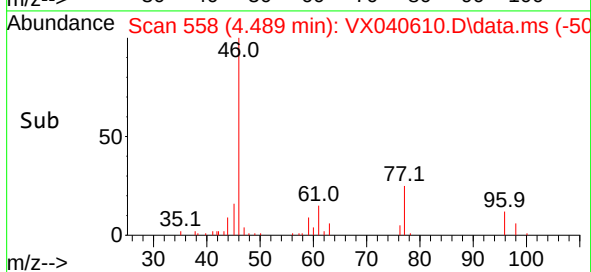
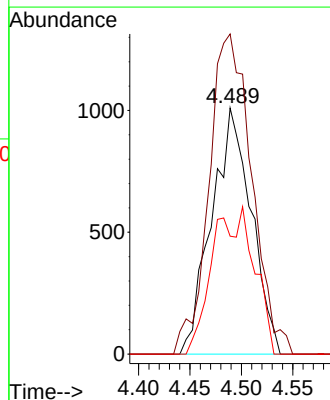
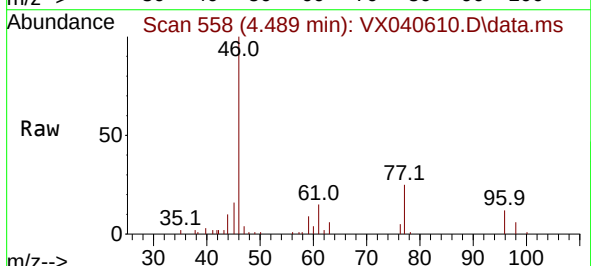
Delta R.T. -0.000 min

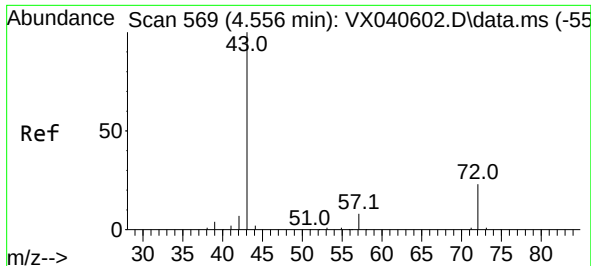
Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

Tgt Ion: 96 Resp: 2707

Ion	Ratio	Lower	Upper
96	100		
61	130.1	93.0	172.8
98	47.9	42.4	78.6





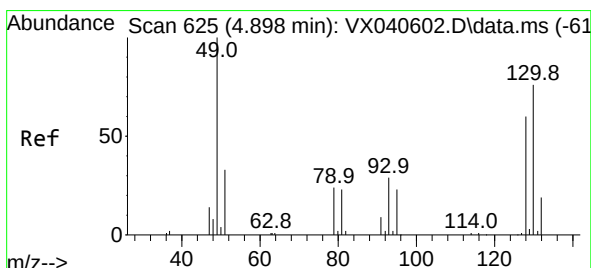
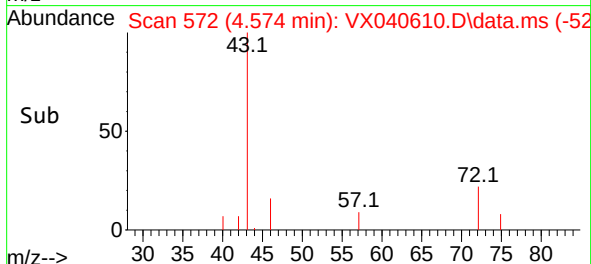
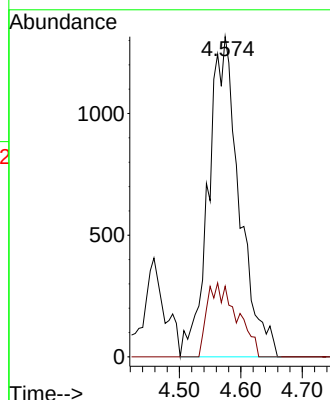
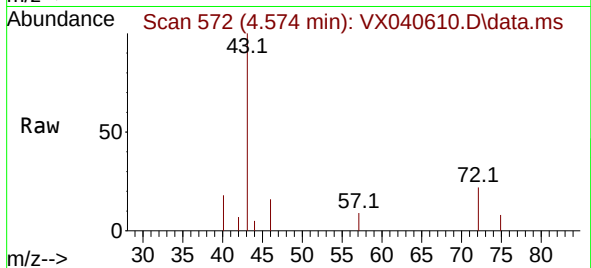
#22
2-Butanone
Concen: 4.886 ug/L m
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 43 Resp: 4610
Ion Ratio Lower Upper
43 100
72 10.7 12.4 37.2

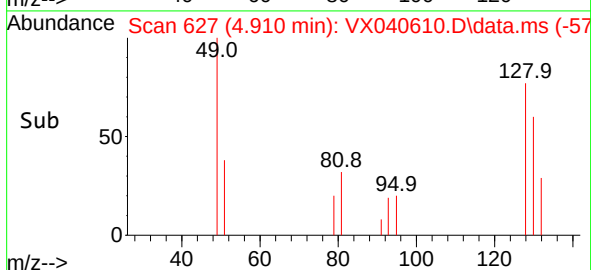
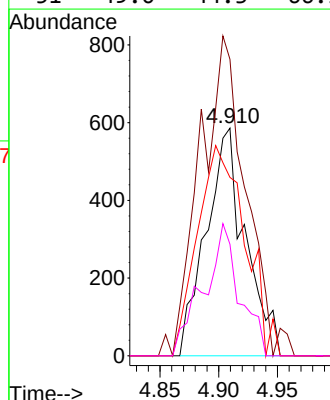
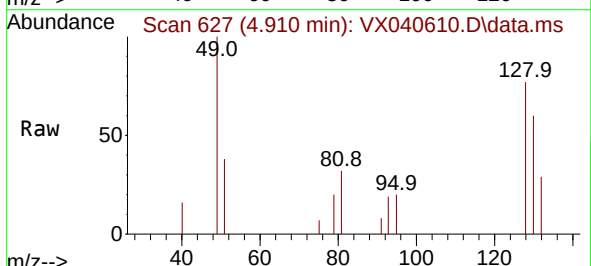
Manual Integrations
APPROVED

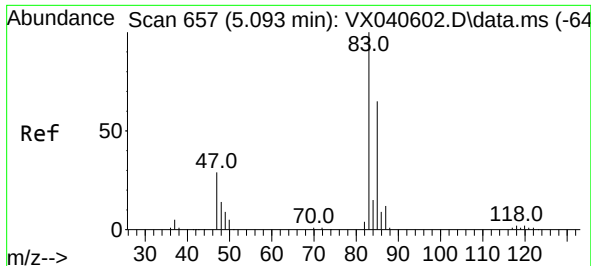
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#23
Bromochloromethane
Concen: 2.567 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion:128 Resp: 1363
Ion Ratio Lower Upper
128 100
49 130.2 118.1 219.3
130 78.3 89.4 166.0#
51 49.0 44.3 66.5





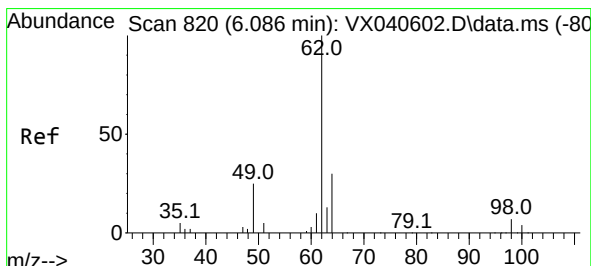
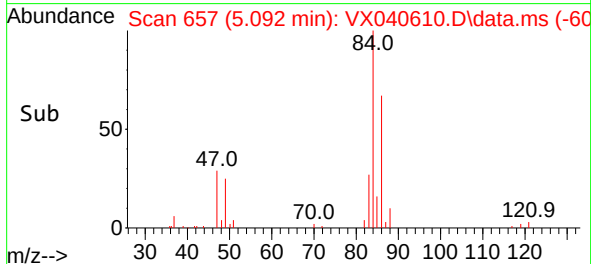
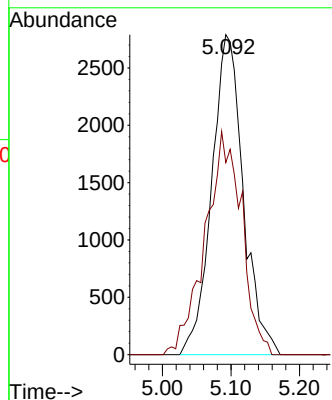
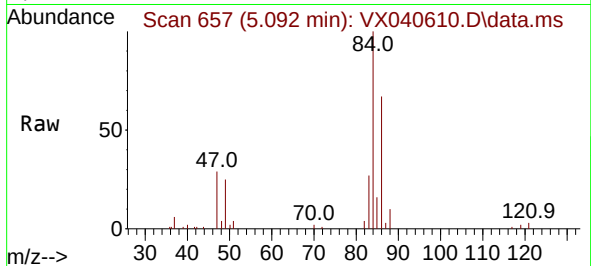
#25
Chloroform
Concen: 4.375 ug/L
RT: 5.092 min Scan# 610
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 83 Resp: 890
Ion Ratio Lower Upper
83 100
85 60.1 45.4 84.4

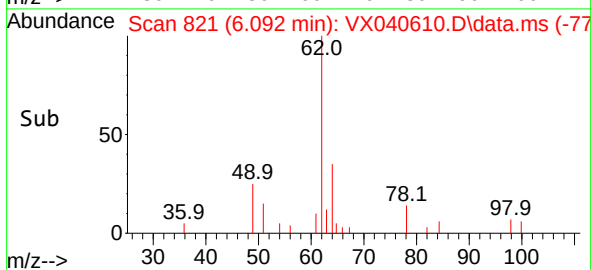
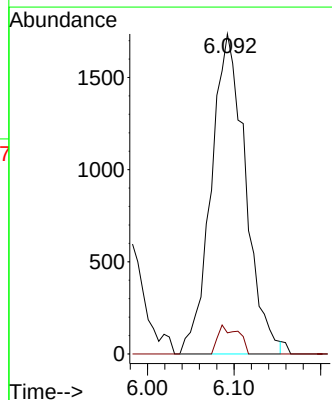
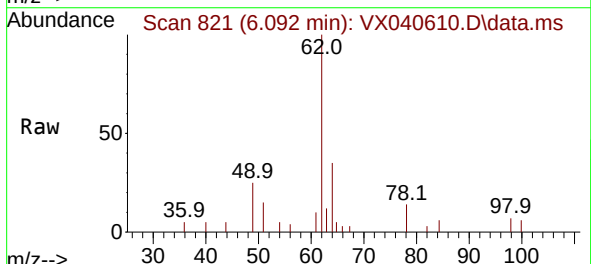
Manual Integrations
APPROVED

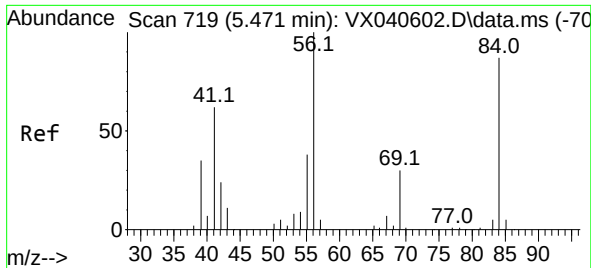
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#27
1,2-Dichloroethane
Concen: 2.670 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

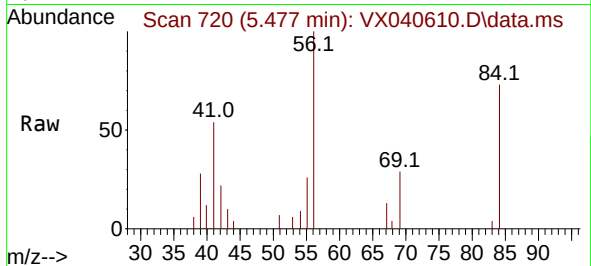
Tgt Ion: 62 Resp: 4776
Ion Ratio Lower Upper
62 100
98 6.6 5.8 8.6





#29
Cyclohexane
Concen: 2.483 ug/L
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

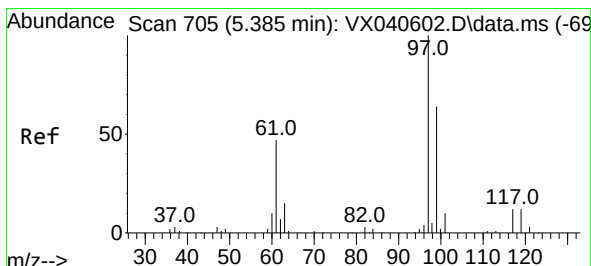
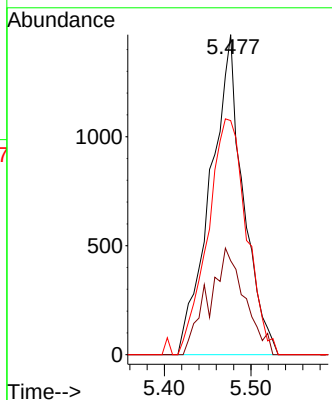
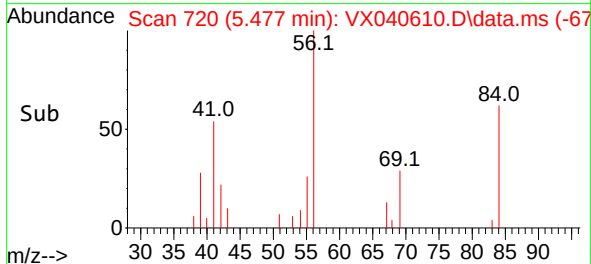
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



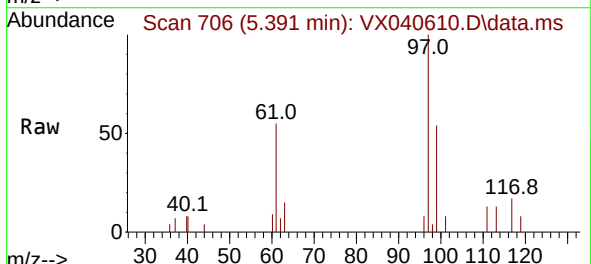
Tgt Ion: 56 Resp: 3870
Ion Ratio Lower Upper
56 100
69 28.3 25.0 37.4
84 86.9 70.6 105.8

Manual Integrations
APPROVED

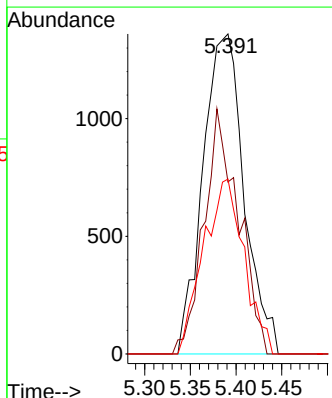
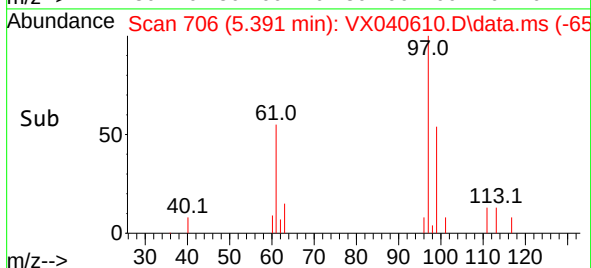
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024

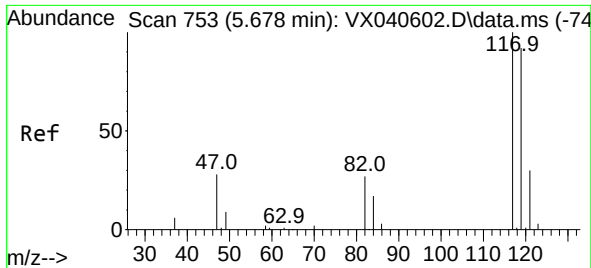


#30
1,1,1-Trichloroethane
Concen: 2.413 ug/L
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44



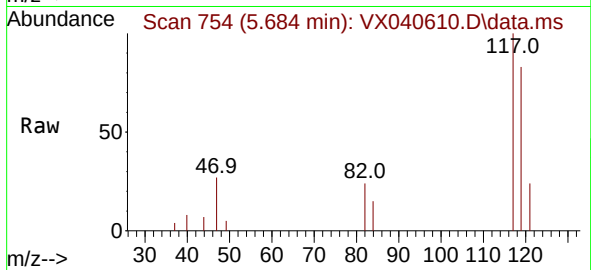
Tgt Ion: 97 Resp: 4262
Ion Ratio Lower Upper
97 100
99 64.4 52.1 78.1
61 54.0 38.3 57.5





#31
Carbon tetrachloride
Concen: 2.272 ug/L m
RT: 5.684 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

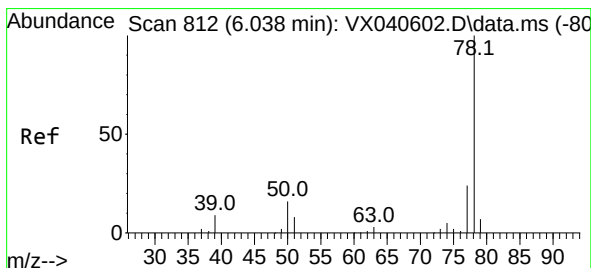
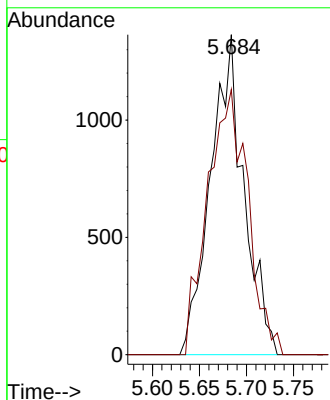
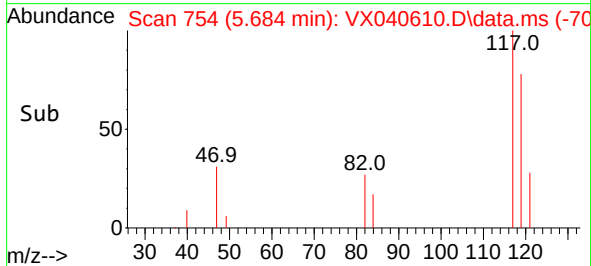
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



Tgt Ion:117 Resp: 3368
Ion Ratio Lower Upper
117 100
119 72.1 75.4 113.2

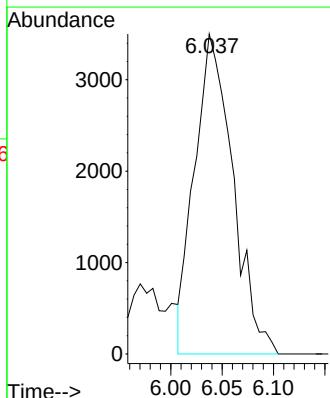
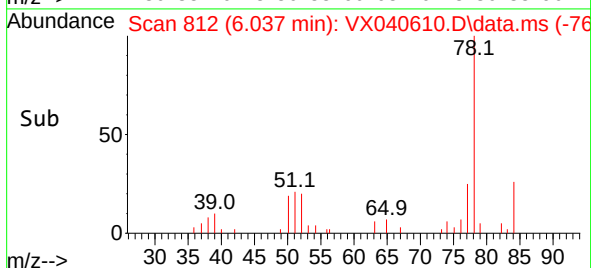
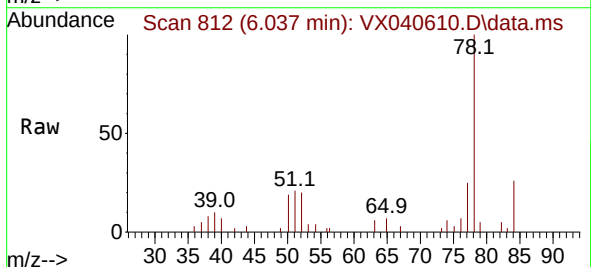
Manual Integrations
APPROVED

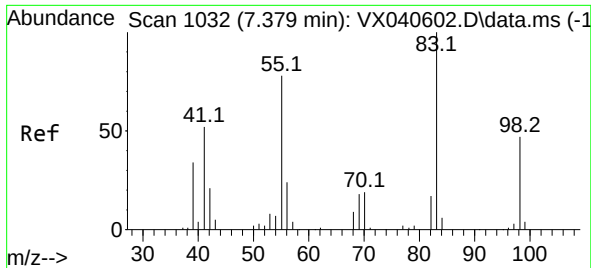
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#33
Benzene
Concen: 2.379 ug/L
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

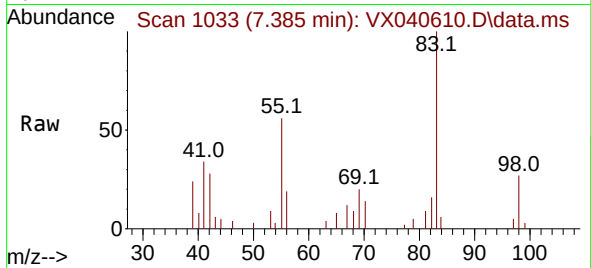
Tgt Ion: 78 Resp: 9063





#35
Methylcyclohexane
Concen: 2.470 ug/L
RT: 7.385 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

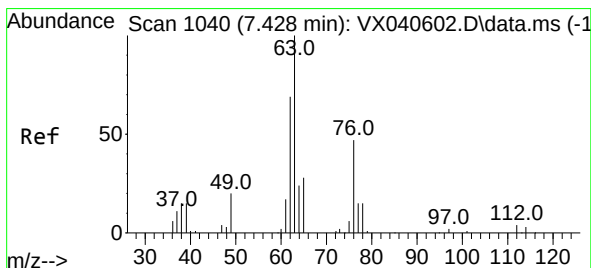
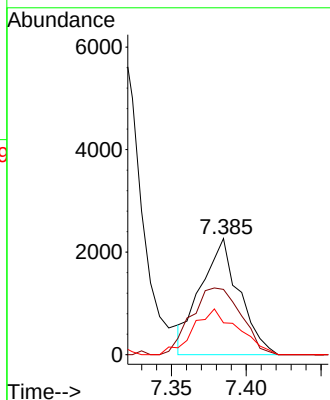
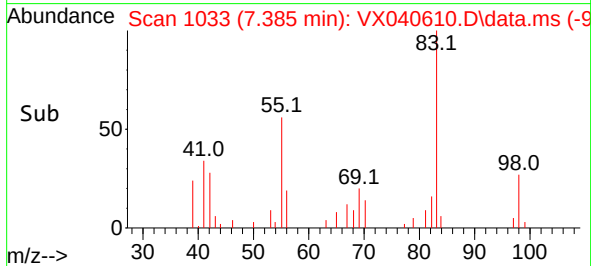
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



Tgt Ion: 83 Resp: 4060
Ion Ratio Lower Upper
83 100
55 74.0 62.6 94.0
98 46.1 37.4 56.2

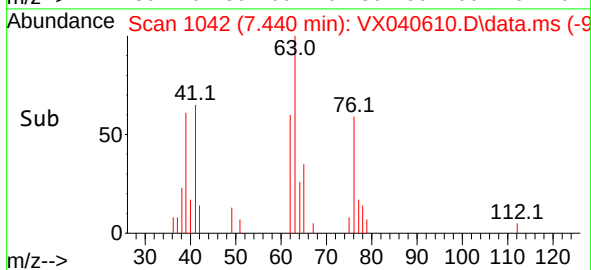
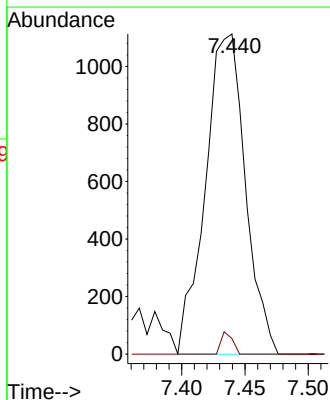
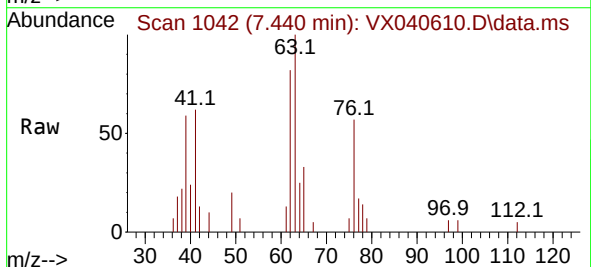
Manual Integrations
APPROVED

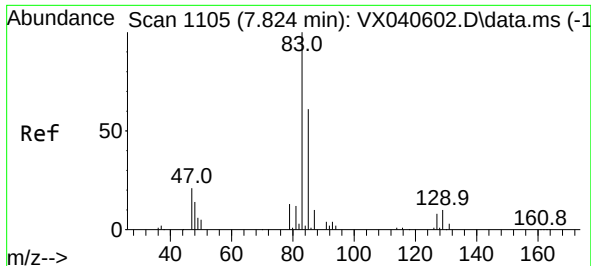
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#37
1,2-Dichloropropane
Concen: 2.431 ug/L
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion: 63 Resp: 2452
Ion Ratio Lower Upper
63 100
112 2.0 3.1 4.7#





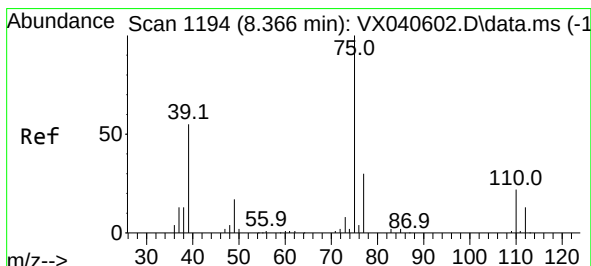
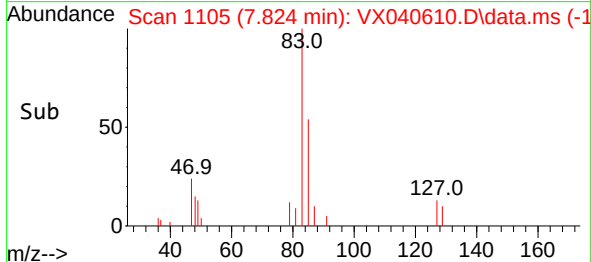
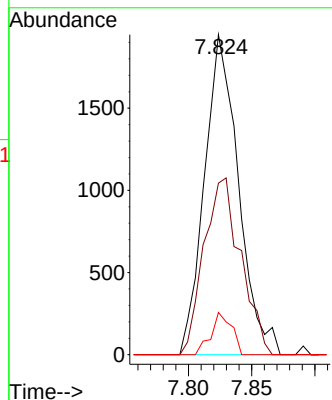
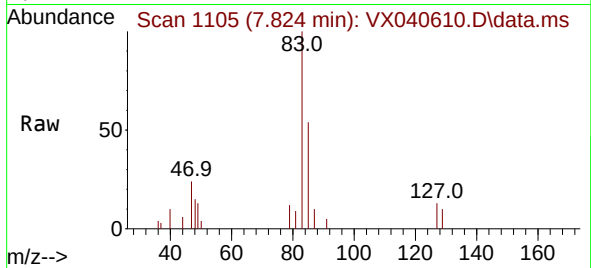
#38
Bromodichloromethane
Concen: 2.443 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 83 Resp: 364
Ion Ratio Lower Upper
83 100
85 53.6 42.8 79.4
127 13.2 6.5 9.7

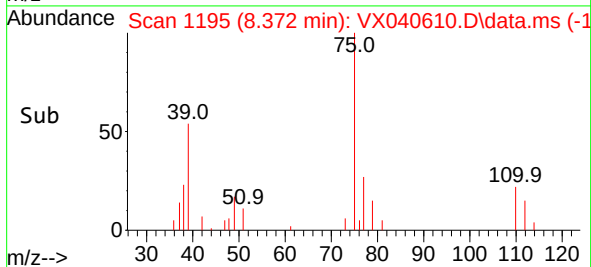
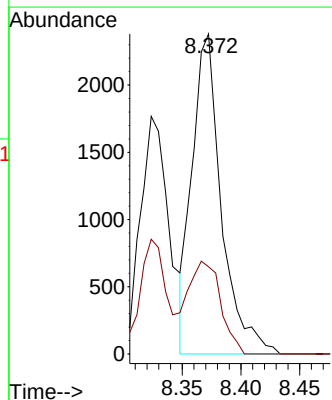
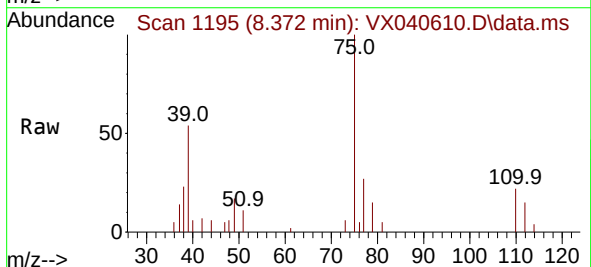
Manual Integrations
APPROVED

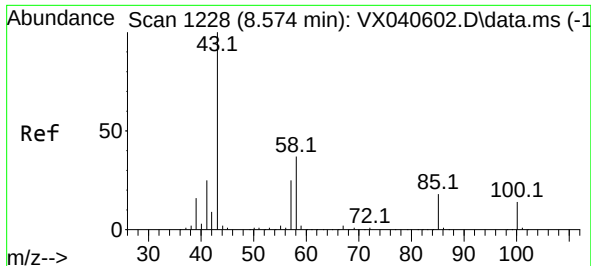
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#39
cis-1,3-Dichloropropene
Concen: 2.423 ug/L
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion: 75 Resp: 4114
Ion Ratio Lower Upper
75 100
77 27.3 21.1 39.3





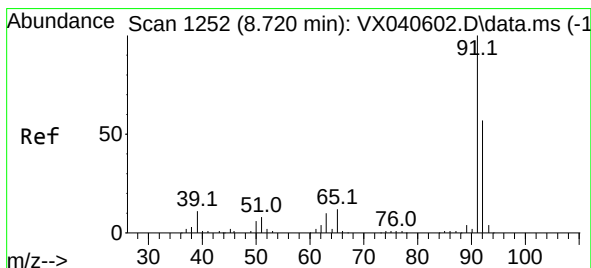
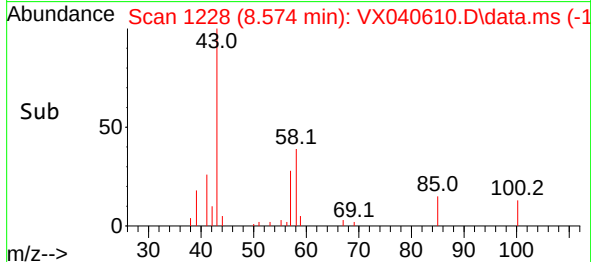
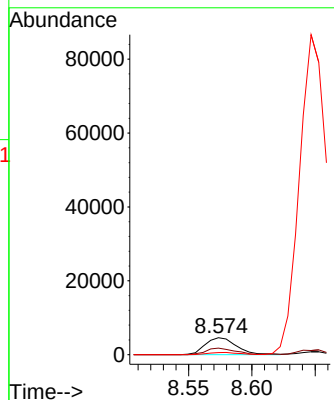
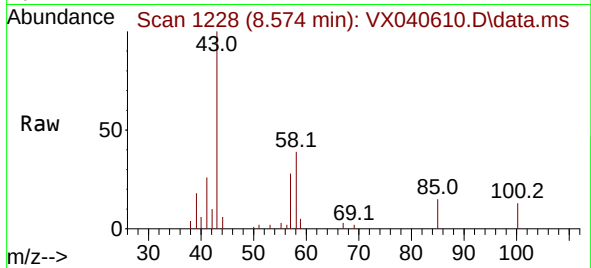
#40
4-Methyl-2-pentanone
Concen: 4.570 ug/L
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 43 Resp: 7902
Ion Ratio Lower Upper
43 100
58 35.7 29.3 43.9
100 13.3 10.7 16.1

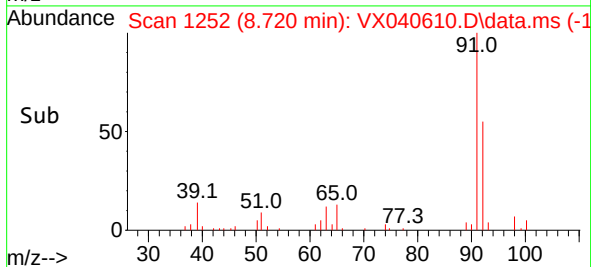
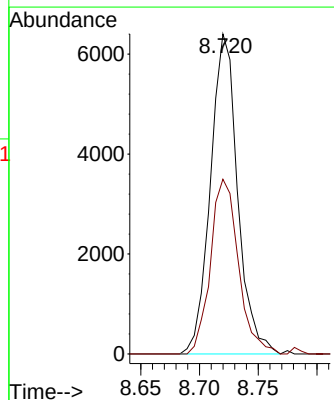
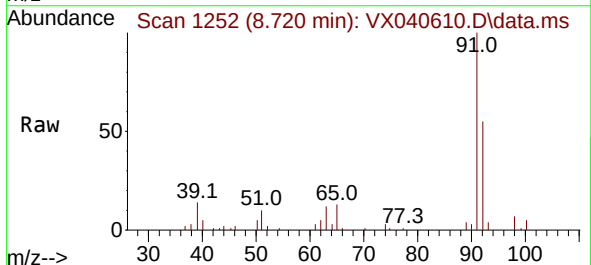
Manual Integrations
APPROVED

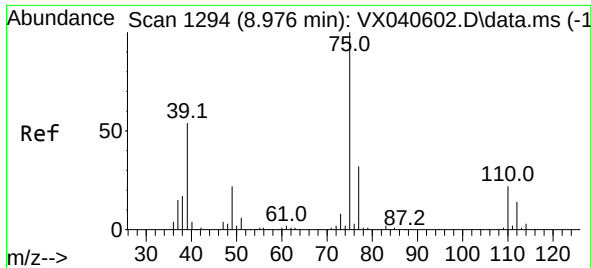
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#42
Toluene
Concen: 2.470 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion: 91 Resp: 10323
Ion Ratio Lower Upper
91 100
92 54.6 40.2 74.6





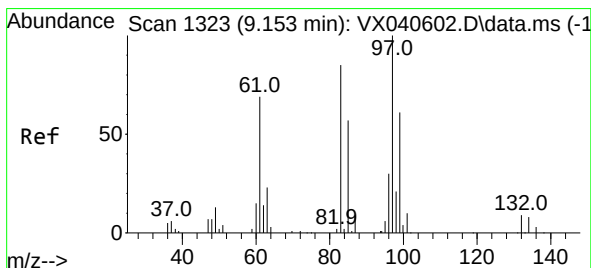
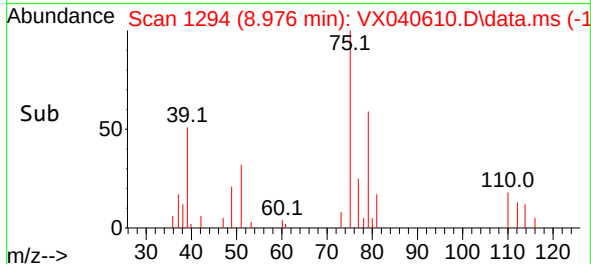
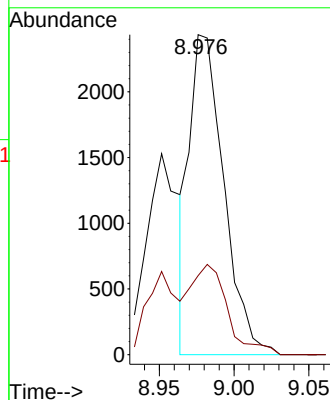
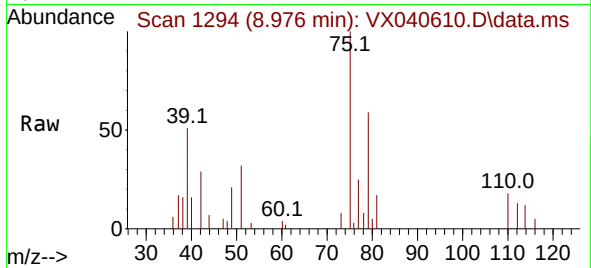
#44
trans-1,3-Dichloropropene
Concen: 2.344 ug/L
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 75 Resp: 387
Ion Ratio Lower Upper
75 100
77 24.7 22.1 41.1

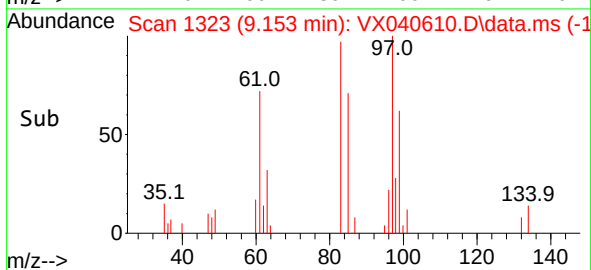
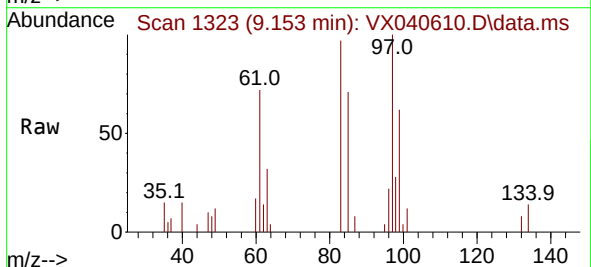
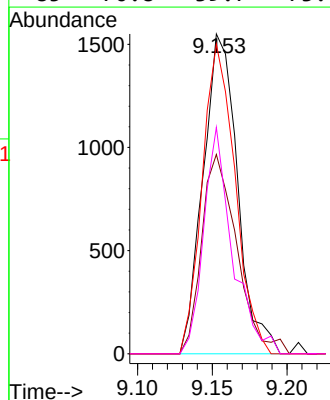
Manual Integrations
APPROVED

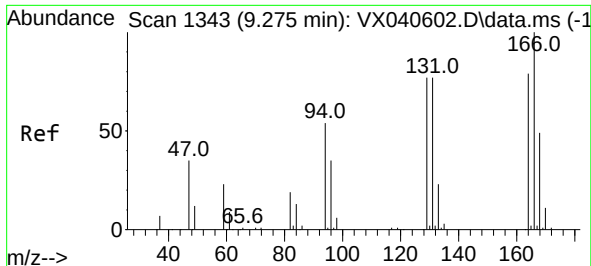
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#45
1,1,2-Trichloroethane
Concen: 2.381 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

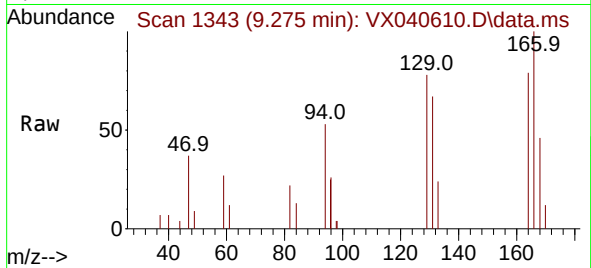
Tgt Ion: 97 Resp: 2479
Ion Ratio Lower Upper
97 100
99 62.3 42.6 79.0
83 96.8 59.2 110.0
85 70.8 39.7 73.7





#46
Tetrachloroethene
Concen: 2.646 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

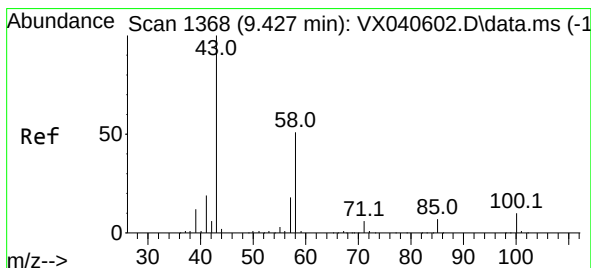
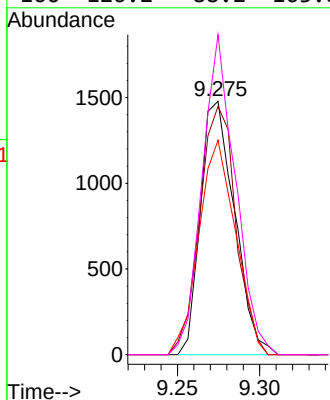
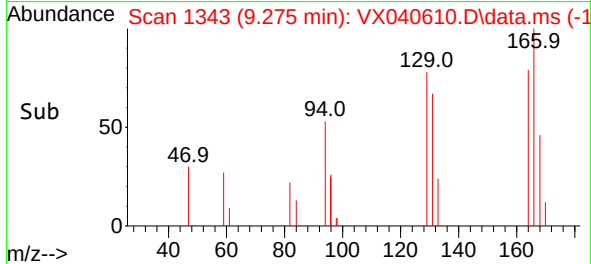
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01



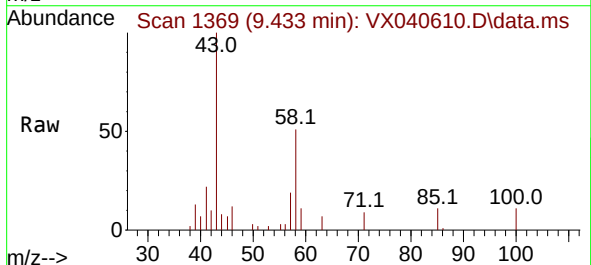
Tgt Ion:164 Resp: 2137
Ion Ratio Lower Upper
164 100
129 98.0 67.8 126.0
131 84.6 67.8 126.0
166 126.2 88.2 163.8

Manual Integrations
APPROVED

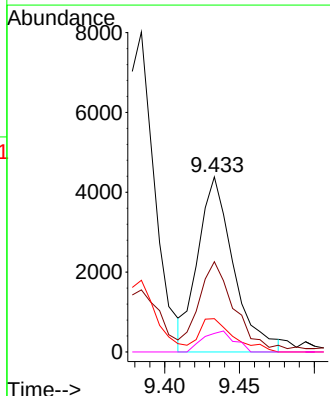
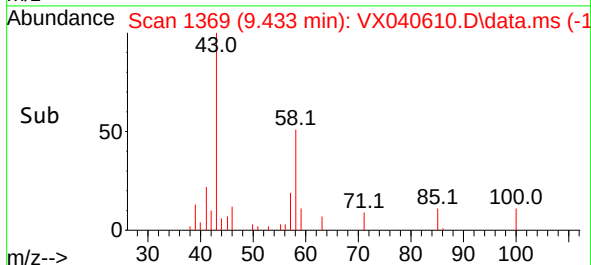
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024

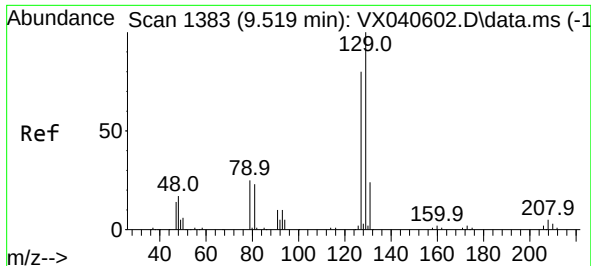


#48
2-Hexanone
Concen: 5.086 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44



Tgt Ion: 43 Resp: 7288
Ion Ratio Lower Upper
43 100
58 52.2 41.0 61.6
57 18.3 14.8 22.2
100 10.5 8.3 12.5





#49

Dibromochloromethane

Concen: 2.271 ug/L

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-01

Tgt Ion:129 Resp: 247

Ion Ratio Lower Upper

129 100

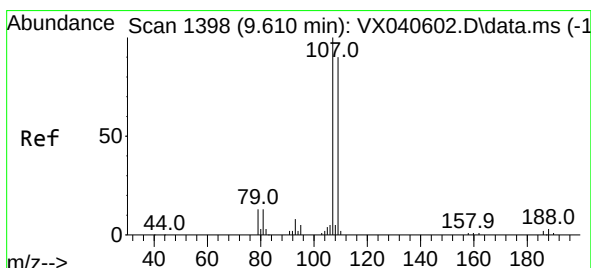
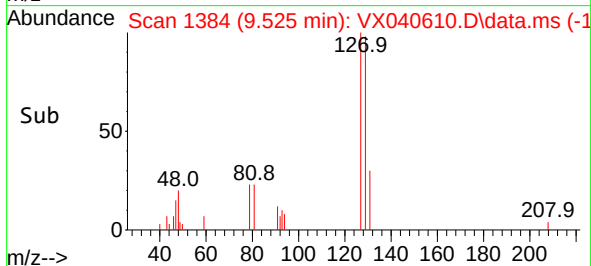
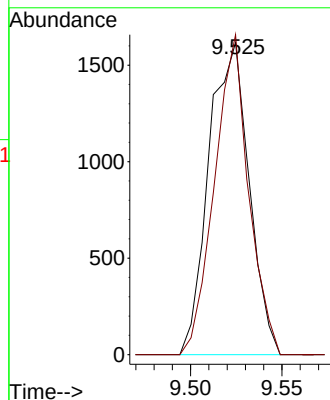
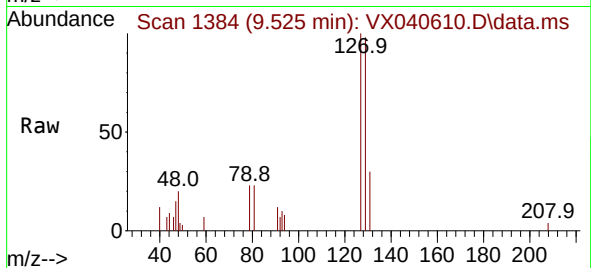
127 102.5 55.8 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#50

1,2-Dibromoethane

Concen: 2.457 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

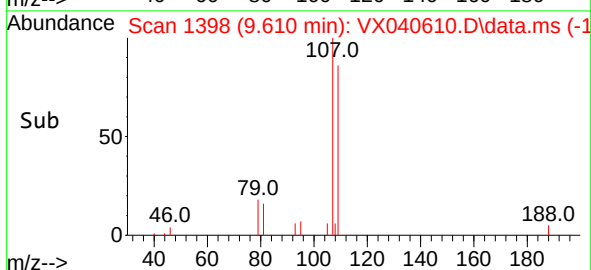
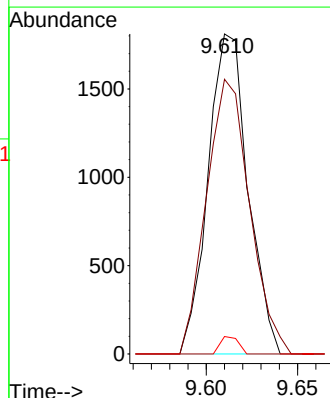
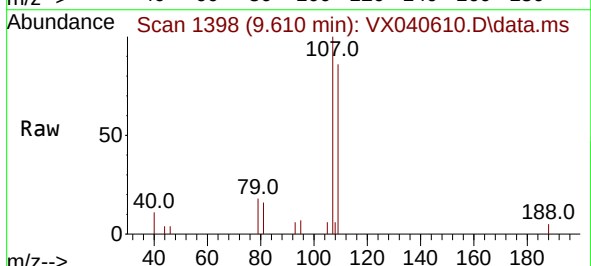
Tgt Ion:107 Resp: 2751

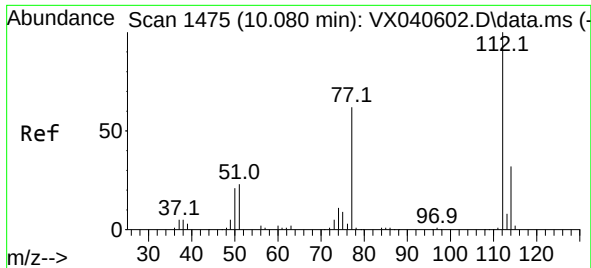
Ion Ratio Lower Upper

107 100

109 85.9 62.9 116.7

188 5.5 2.5 3.7#





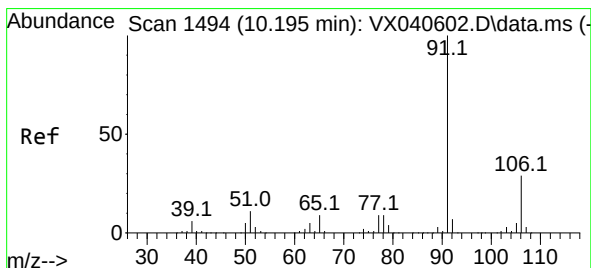
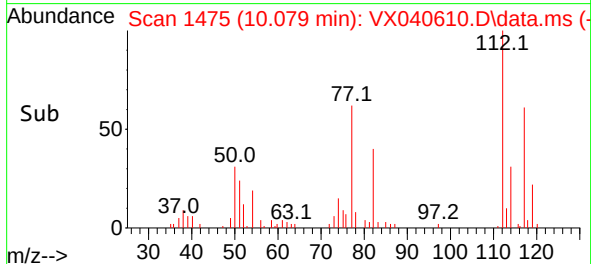
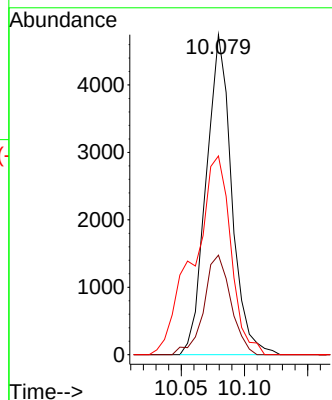
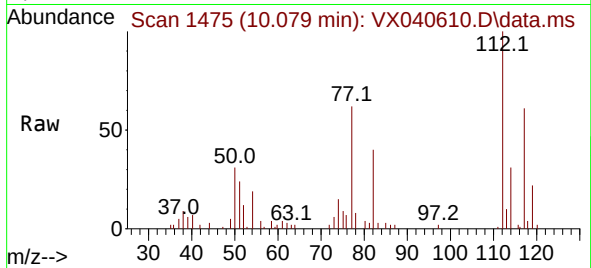
#51
Chlorobenzene
Concen: 2.460 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 112 Resp: 666
Ion Ratio Lower Upper
112 100
114 31.1 22.4 41.6
77 62.1 50.6 75.8

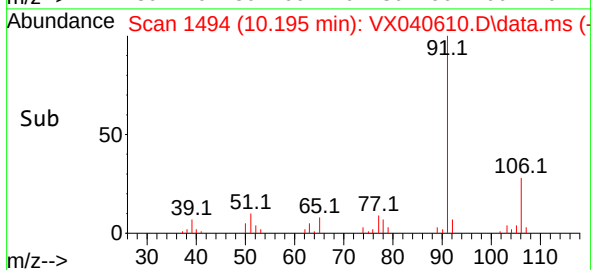
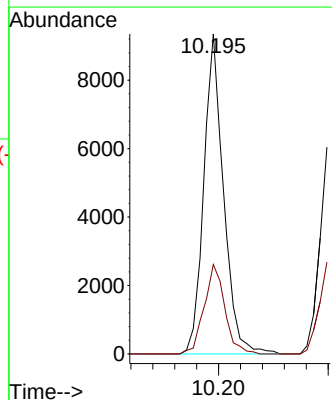
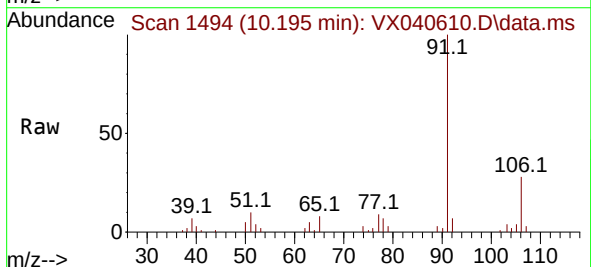
Manual Integrations
APPROVED

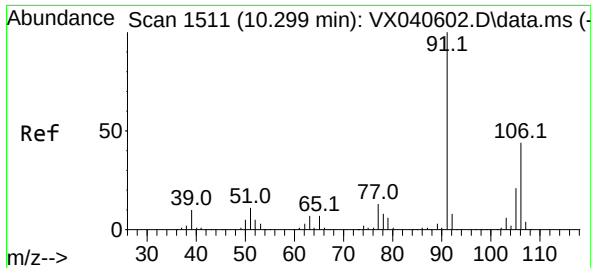
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#52
Ethylbenzene
Concen: 2.383 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion: 91 Resp: 11703
Ion Ratio Lower Upper
91 100
106 27.9 20.6 38.4





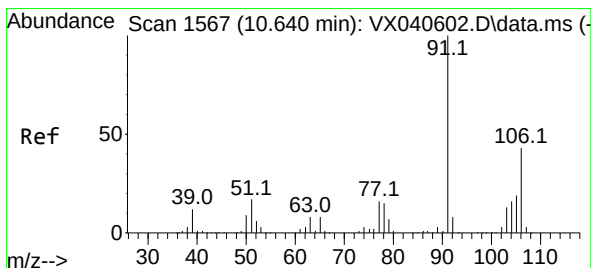
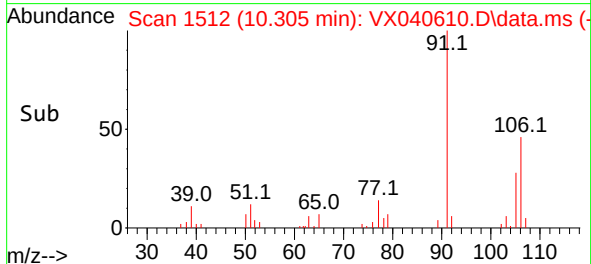
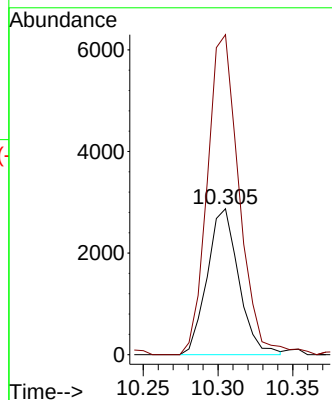
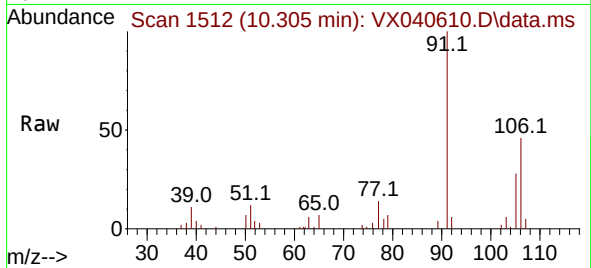
#53
m,p-Xylene
Concen: 2.359 ug/L
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

Tgt Ion:106 Resp: 421
Ion Ratio Lower Upper
106 100
91 219.3 160.4 298.0

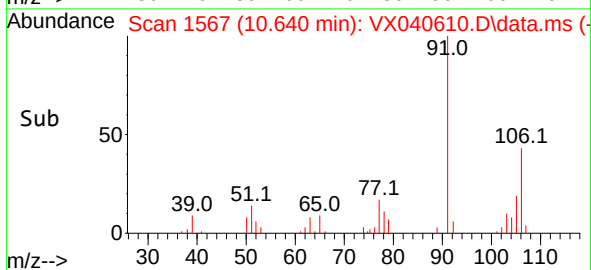
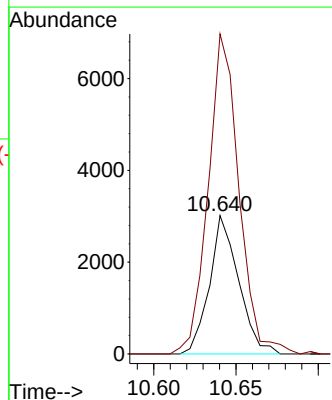
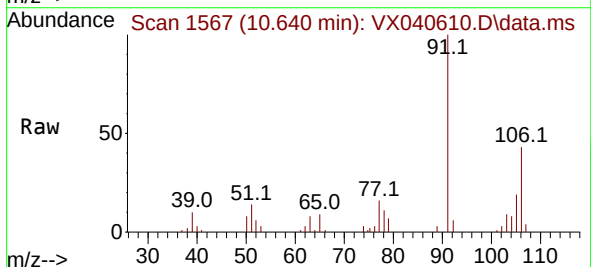
Manual Integrations
APPROVED

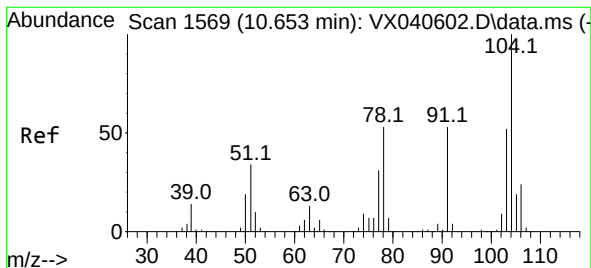
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#54
o-Xylene
Concen: 2.170 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion:106 Resp: 3719
Ion Ratio Lower Upper
106 100
91 231.2 161.7 300.3





#55

Styrene

Concen: 2.396 ug/L

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-01

Tgt Ion:104 Resp: 715

Ion Ratio Lower Upper

104 100

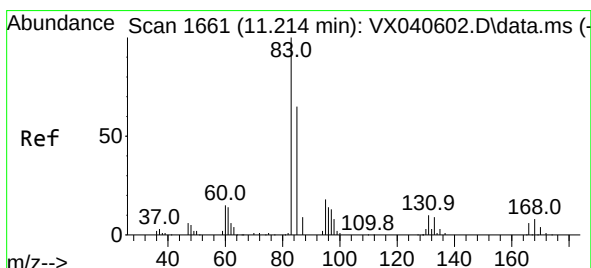
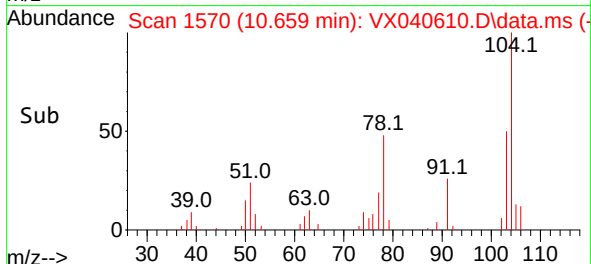
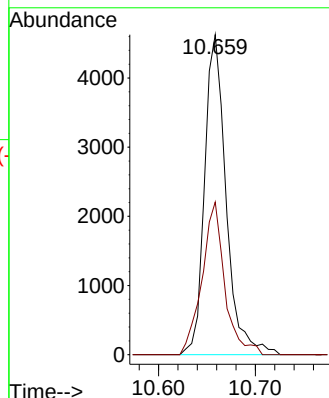
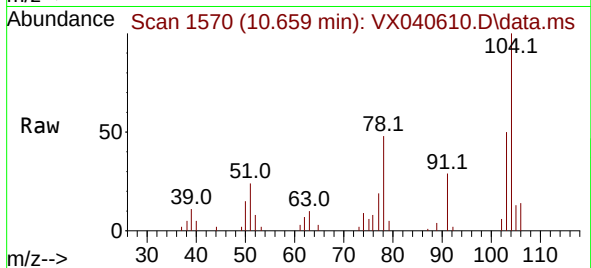
78 47.7 37.2 69.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 2.527 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

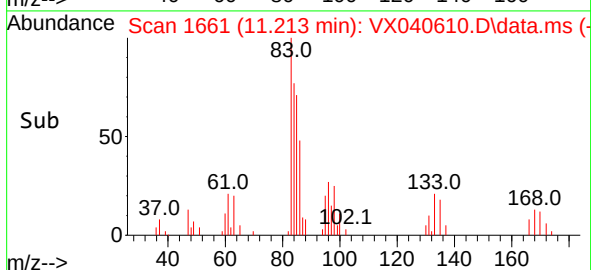
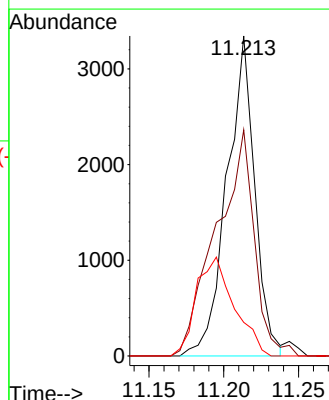
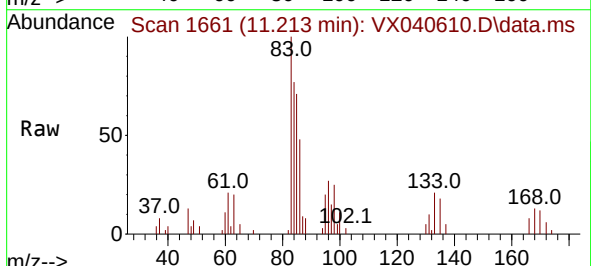
Tgt Ion: 83 Resp: 4336

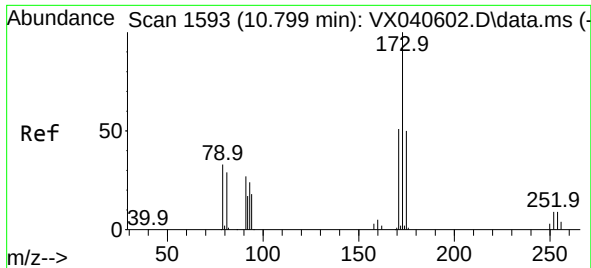
Ion Ratio Lower Upper

83 100

85 70.6 45.2 84.0

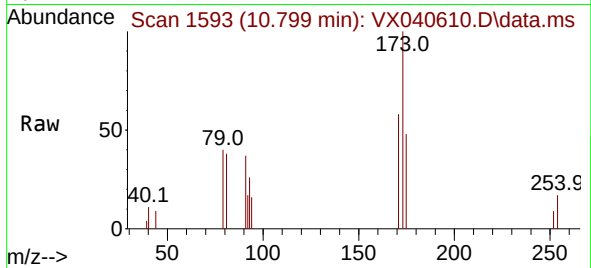
131 10.5 8.2 12.2





#59
Bromoform
Concen: 2.192 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

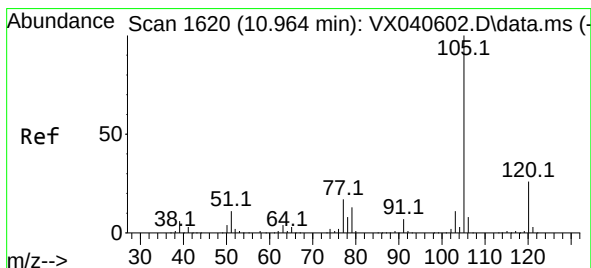
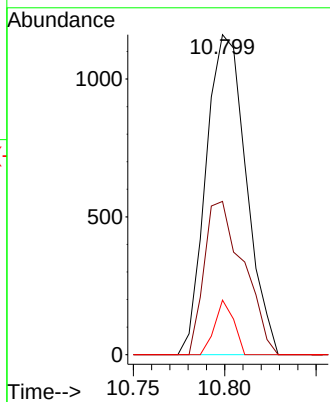
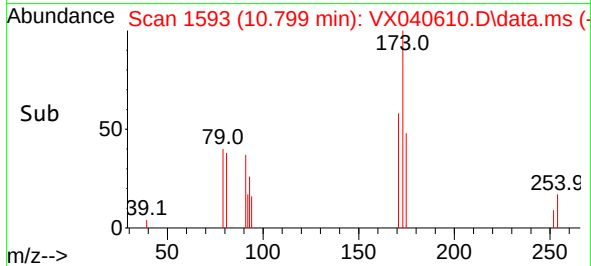
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01



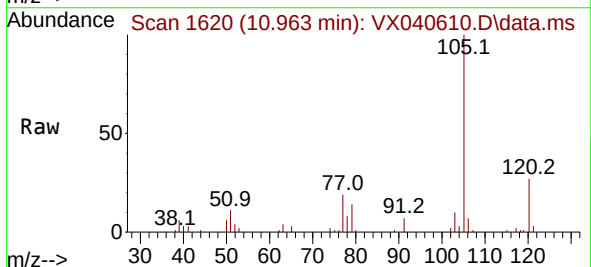
Tgt Ion:173 Resp: 177
Ion Ratio Lower Upper
173 100
175 47.0 39.4 59.0
254 8.1 7.9 11.9

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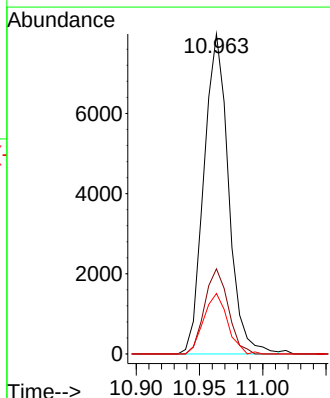
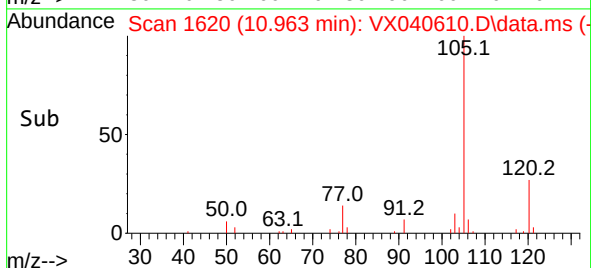
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024

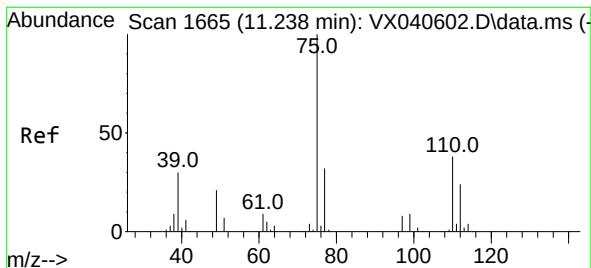


#60
Isopropylbenzene
Concen: 2.306 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44



Tgt Ion:105 Resp: 10823
Ion Ratio Lower Upper
105 100
120 25.5 20.1 30.1
77 18.1 13.9 20.9





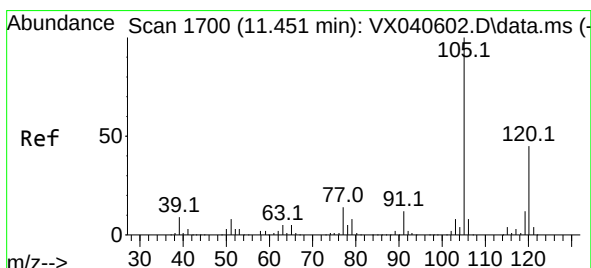
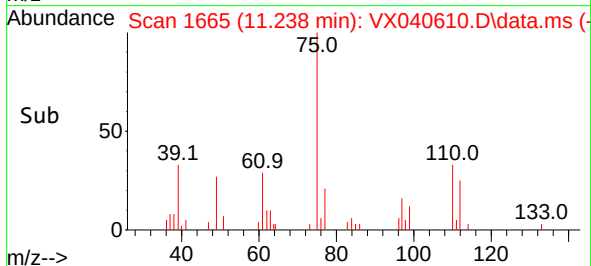
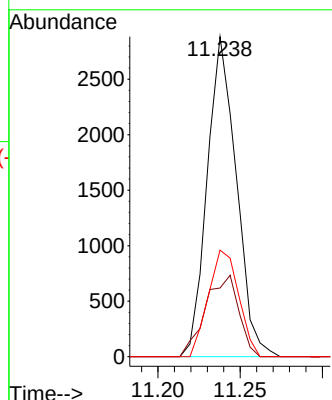
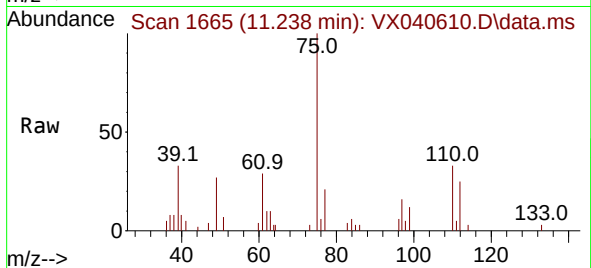
#61
1,2,3-Trichloropropane
Concen: 2.554 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 75 Resp: 355
Ion Ratio Lower Upper
75 100
77 29.0 25.7 38.5
110 34.7 31.0 46.4

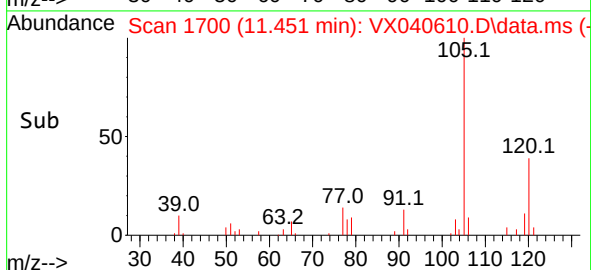
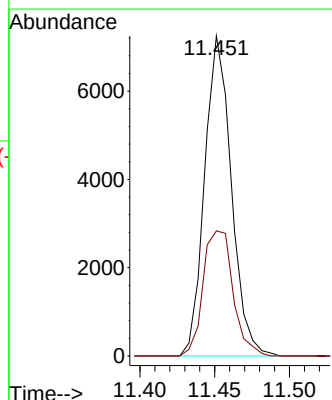
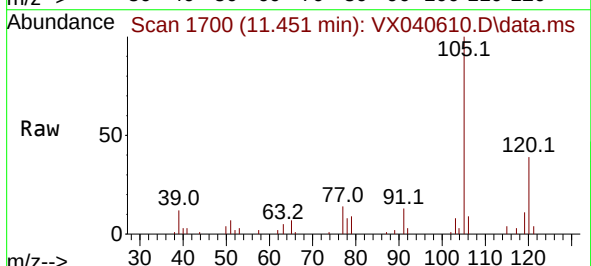
Manual Integrations
APPROVED

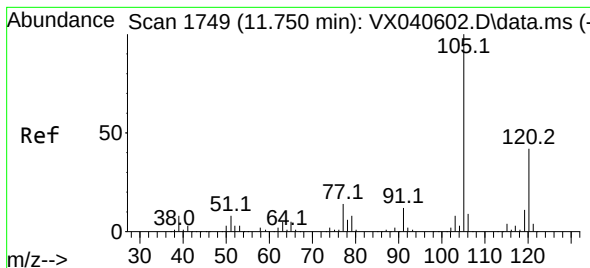
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#62
1,3,5-Trimethylbenzene
Concen: 2.314 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion:105 Resp: 9004
Ion Ratio Lower Upper
105 100
120 43.8 36.2 54.2





#63

1,2,4-Trimethylbenzene

Concen: 2.140 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-01

Tgt Ion:105 Resp: 832

Ion Ratio Lower Upper

105 100

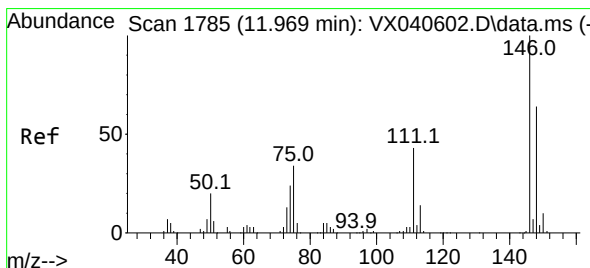
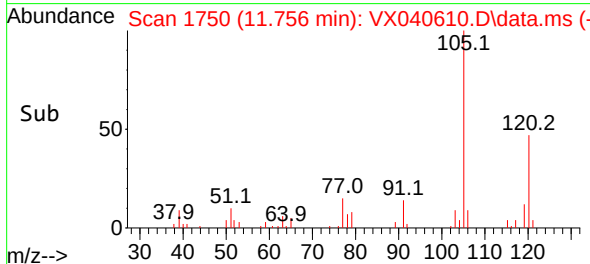
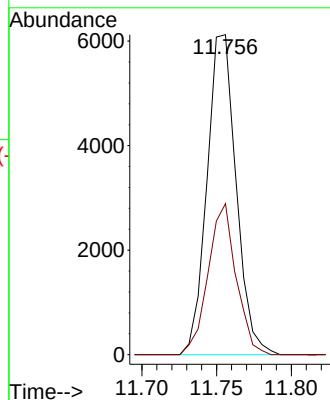
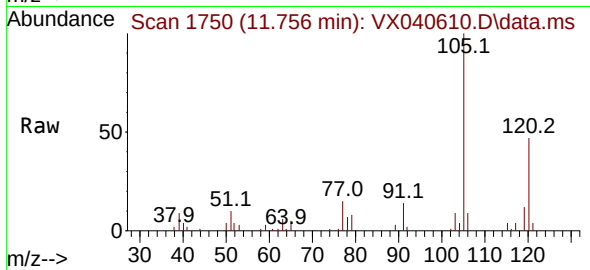
120 45.3 33.9 50.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#64

1,3-Dichlorobenzene

Concen: 2.536 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

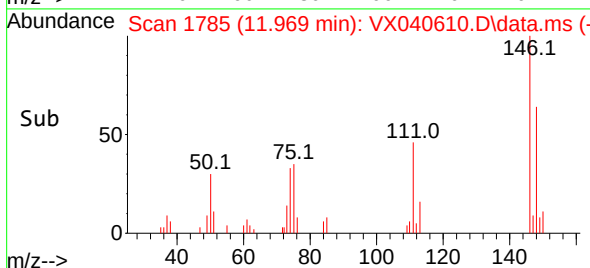
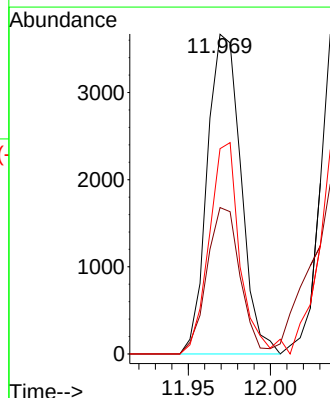
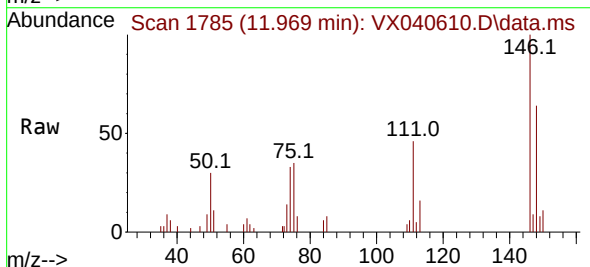
Tgt Ion:146 Resp: 5211

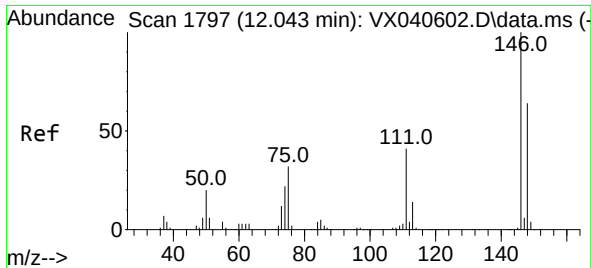
Ion Ratio Lower Upper

146 100

111 45.8 30.0 55.6

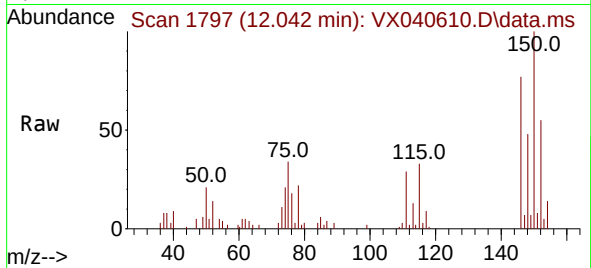
148 64.2 44.8 83.2





#65
1,4-Dichlorobenzene
Concen: 2.805 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

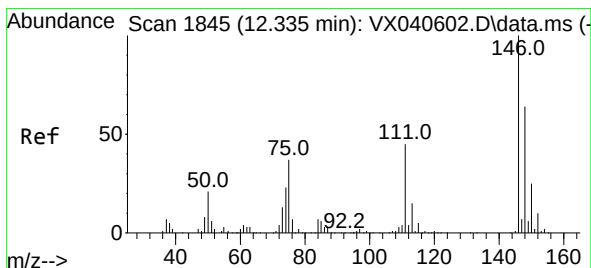
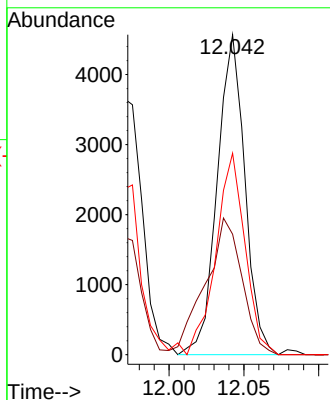
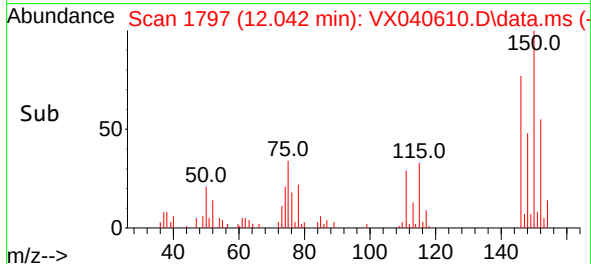
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01



Tgt Ion:146 Resp: 586
Ion Ratio Lower Upper
146 100
111 37.7 28.8 53.4
148 63.0 45.1 83.7

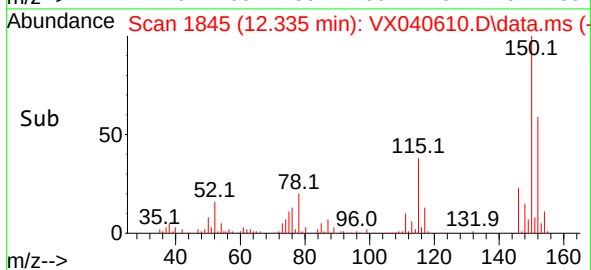
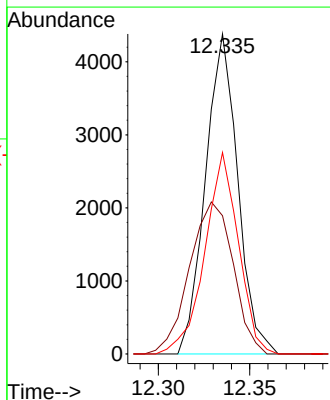
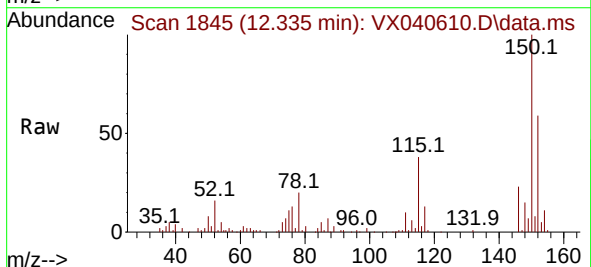
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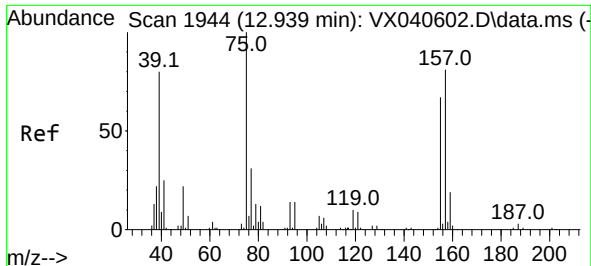
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#67
1,2-Dichlorobenzene
Concen: 2.755 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Tgt Ion:146 Resp: 5382
Ion Ratio Lower Upper
146 100
111 43.2 35.8 53.8
148 63.0 51.0 76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 2.241 ug/L m

RT: 12.945 min Scan# 1944

Delta R.T. 0.006 min

Lab File: VX040610.D

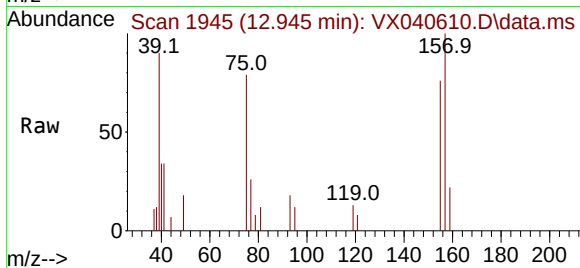
Acq: 06 Mar 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-01



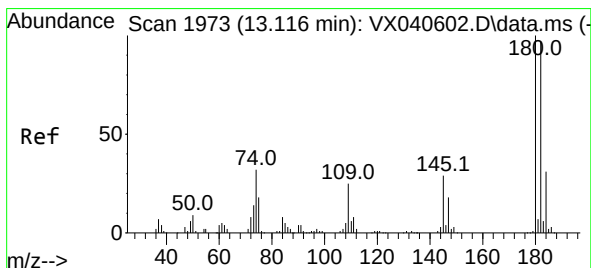
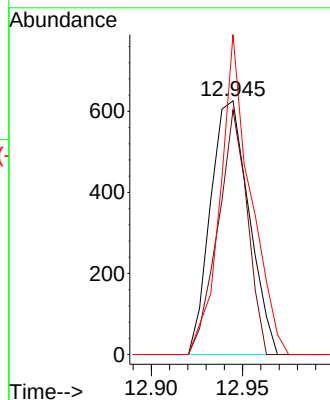
Tgt Ion: 75	Resp: 914
Ion Ratio	Lower Upper
75 100	
155 96.3	53.9 80.9
157 126.0	64.5 96.7

Manual Integrations

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Reviewed By :John Carlone 03/07/2024

Supervised By :Mahesh Dadoda 03/11/2024



#69

1,3,5-Trichlorobenzene

Concen: 2.656 ug/L

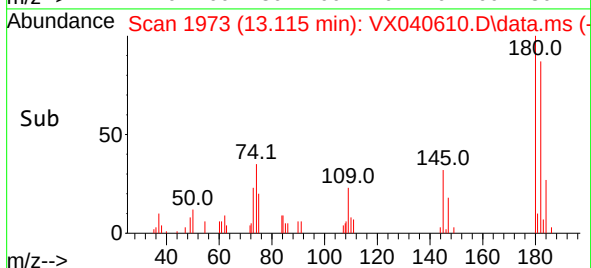
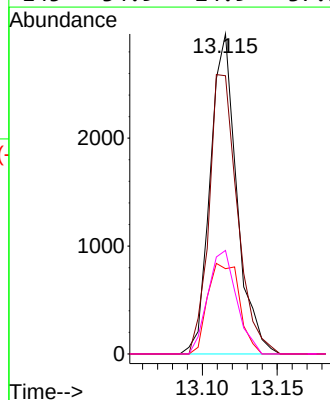
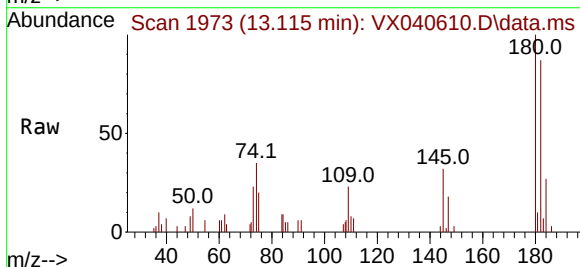
RT: 13.115 min Scan# 1973

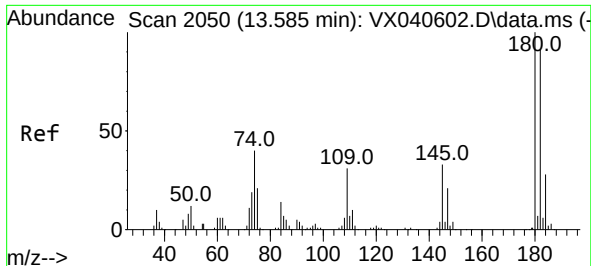
Delta R.T. -0.000 min

Lab File: VX040610.D

Acq: 06 Mar 2024 17:44

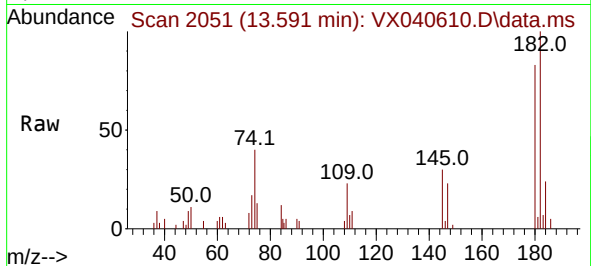
Tgt Ion:180	Resp: 3663
Ion Ratio	Lower Upper
180 100	
182 93.3	76.6 115.0
184 33.8	24.3 36.5
145 34.9	24.9 37.3





#70
1,2,4-trichlorobenzene
Concen: 2.653 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

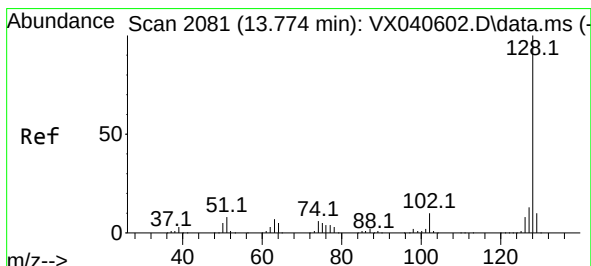
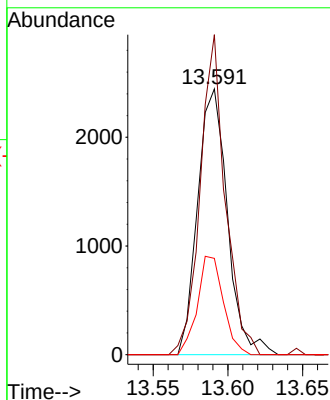
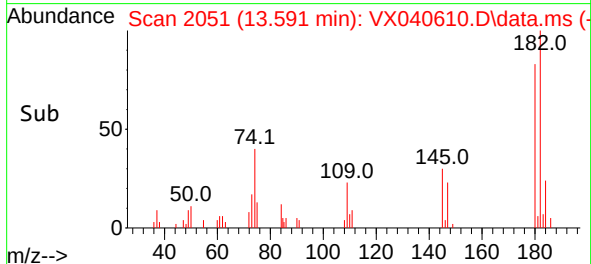
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



Tgt Ion:180 Resp: 339
Ion Ratio Lower Upper
180 100
182 101.3 75.1 112.7
145 32.2 26.2 39.4

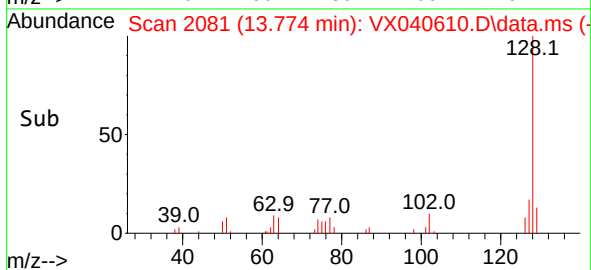
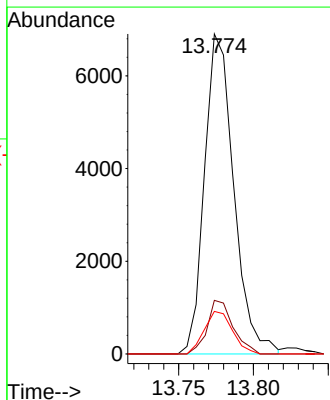
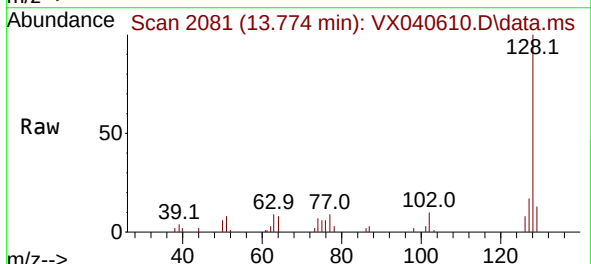
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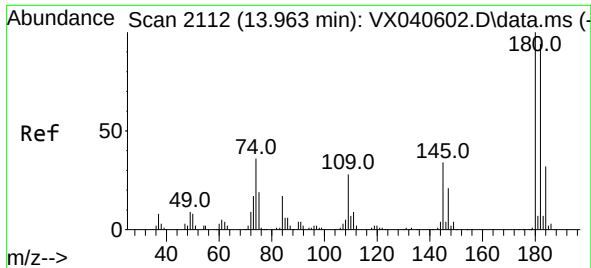
Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024



#71
Naphthalene
Concen: 2.313 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

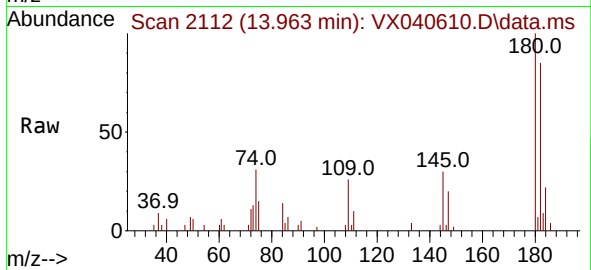
Tgt Ion:128 Resp: 9404
Ion Ratio Lower Upper
128 100
127 14.8 10.4 15.6
129 12.8 8.8 13.2





#72
1,2,3-Trichlorobenzene
Concen: 2.511 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX040610.D
Acq: 06 Mar 2024 17:44

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-01



Tgt Ion:180 Resp: 316
Ion Ratio Lower Upper
180 100
182 91.1 76.9 115.3
145 33.3 27.8 41.8

Manual Integrations
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Reviewed By :John Carlone 03/07/2024
Supervised By :Mahesh Dadoda 03/11/2024

