

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073124\
 Data File : VX042761.D
 Acq On : 31 Jul 2024 10:34
 Operator : JC/MD
 Sample : P3391-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-06

Quant Time: Aug 01 01:47:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 01:44:51 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/01/2024
 Supervised By : Mahesh Dadoda 08/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	113610	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	107941	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	47630	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	22496	32.593	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.180%
7) Chloroethane-d5	1.648	69	14232	50.039	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.080%
11) 1,1-Dichloroethene-d2	2.294	65	14988	44.072	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.140%
21) 2-Butanone-d5	4.464	46	46749	91.385	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.380%
24) Chloroform-d	5.062	84	74673	49.427	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.860%
26) 1,2-Dichloroethane-d4	5.952	65	51517	52.856	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.720%
32) Benzene-d6	5.970	84	142255	47.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.980%
36) 1,2-Dichloropropane-d6	7.305	67	41665	46.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.980%
41) Toluene-d8	8.647	98	134783	50.180	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.360%
43) trans-1,3-Dichloroprop...	8.951	79	19771	47.651	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.300%
47) 2-Hexanone-d5	9.384	63	36681	92.534	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.530%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	66659	52.217	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.440%
66) 1,2-Dichlorobenzene-d4	12.317	152	50997	56.654	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2761	2.751	ug/L	89
3) Chloromethane	1.300	50	1837	2.213	ug/L	94
5) Vinyl chloride	1.374	62	1651	2.092	ug/L #	62
6) Bromomethane	1.599	94	888	3.597	ug/L	77
8) Chloroethane	1.666	64	804	2.783	ug/L #	51
9) Trichlorofluoromethane	1.873	101	3004	2.690	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	2713	3.381	ug/L	92
12) 1,1-Dichloroethene	2.312	96	2433	3.313	ug/L #	1
13) Acetone	2.398	43	2302	5.757	ug/L	98
14) Carbon disulfide	2.507	76	3740	2.086	ug/L	99
15) Methyl Acetate	2.715	43	2079	2.345	ug/L	95
16) Methylene chloride	2.782	84	2754	3.247	ug/L	83
17) trans-1,2-Dichloroethene	3.093	96	2022	2.683	ug/L	78
18) Methyl tert-butyl Ether	3.117	73	6994	2.677	ug/L #	89
19) 1,1-Dichloroethane	3.617	63	3341	2.322	ug/L	88
20) cis-1,2-Dichloroethene	4.489	96	2266	2.632	ug/L	80
22) 2-Butanone	4.593	43	3116m	5.116	ug/L	
23) Bromochloromethane	4.903	128	1106m	2.713	ug/L	
27) 1,2-Dichloroethane	6.098	62	3637	2.984	ug/L	98

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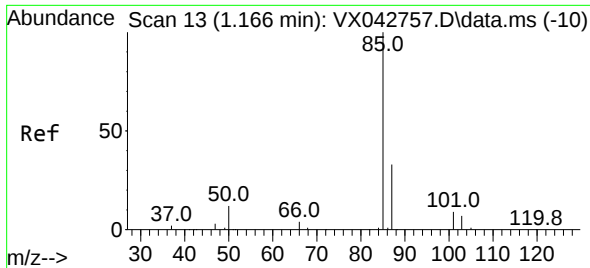
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.476	56	2741m	2.148	ug/L	
30) 1,1,1-Trichloroethane	5.379	97	3729m	2.705	ug/L	
31) Carbon tetrachloride	5.678	117	2988m	2.566	ug/L	
33) Benzene	6.031	78	8681	2.628	ug/L	100
35) Methylcyclohexane	7.385	83	3425m	2.564	ug/L	
37) 1,2-Dichloropropane	7.433	63	2134	2.486	ug/L #	92
38) Bromodichloromethane	7.824	83	2459	2.216	ug/L #	90
39) cis-1,3-Dichloropropene	8.366	75	3499	2.655	ug/L	89
40) 4-Methyl-2-pentanone	8.580	43	5047	4.273	ug/L #	89
42) Toluene	8.720	91	9453	2.778	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	2829	2.368	ug/L	83
45) 1,1,2-Trichloroethane	9.153	97	2329	2.686	ug/L	90
46) Tetrachloroethene	9.275	164	1839	3.055	ug/L	89
48) 2-Hexanone	9.439	43	5341	5.814	ug/L #	95
49) Dibromochloromethane	9.518	129	2182	2.695	ug/L	92
50) 1,2-Dibromoethane	9.610	107	2671	2.962	ug/L #	96
51) Chlorobenzene	10.079	112	6441	2.928	ug/L	97
52) Ethylbenzene	10.195	91	10257	2.749	ug/L	95
53) m,p-Xylene	10.305	106	3789	2.695	ug/L	89
54) o-Xylene	10.640	106	3818	2.730	ug/L	93
55) Styrene	10.658	104	5676	2.435	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	4386	3.163	ug/L #	93
59) Bromoform	10.805	173	1469	2.748	ug/L	97
60) Isopropylbenzene	10.963	105	9403	2.613	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	3377	3.065	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	7593	2.537	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	7314	2.475	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	4407	2.847	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	4848	3.110	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	4964	3.185	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.951	75	758m	2.582	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	2580	2.687	ug/L #	93
70) 1,2,4-trichlorobenzene	13.585	180	2167	2.574	ug/L	97
71) Naphthalene	13.780	128	7824	2.409	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	2253	2.583	ug/L	96

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



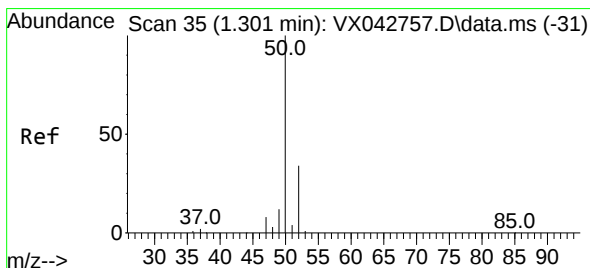
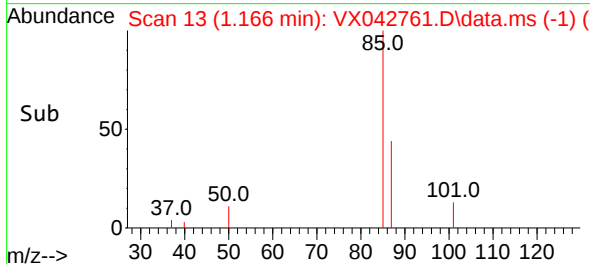
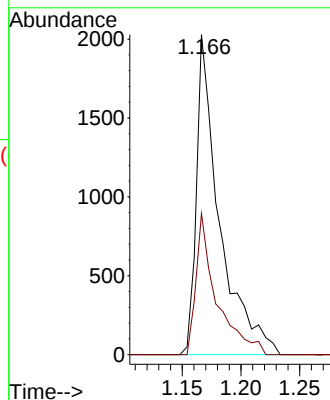
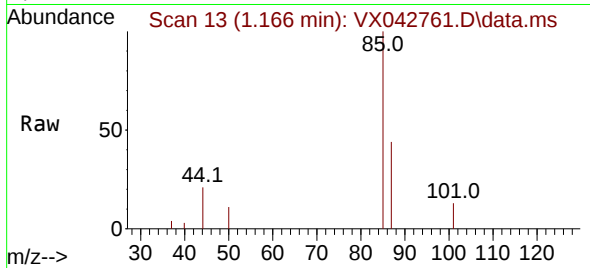
#2
Dichlorodifluoromethane
Concen: 2.751 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 85 Resp: 276
Ion Ratio Lower Upper
85 100
87 38.4 25.8 38.8

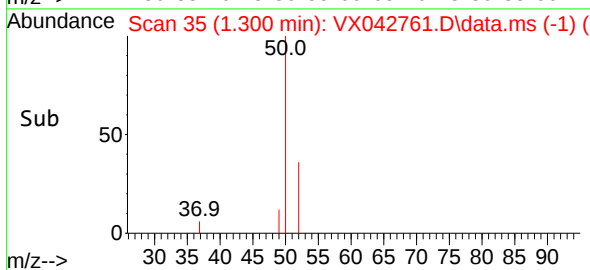
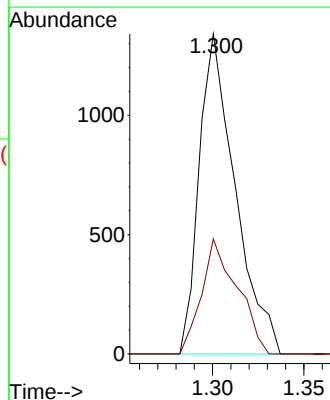
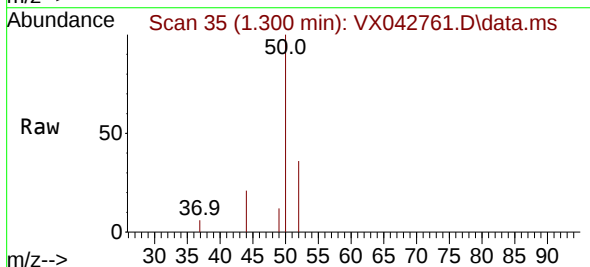
Manual Integrations
APPROVED

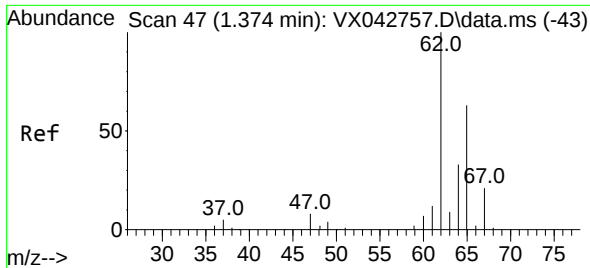
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#3
Chloromethane
Concen: 2.213 ug/L
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

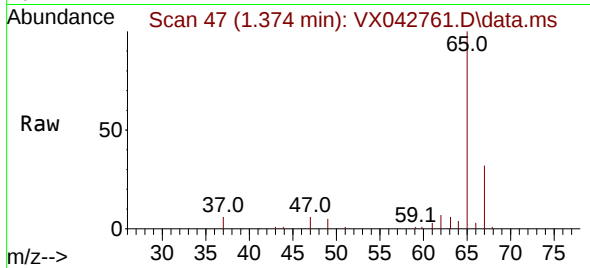
Tgt Ion: 50 Resp: 1837
Ion Ratio Lower Upper
50 100
52 35.9 23.0 42.6





#5
 Vinyl chloride
 Concen: 2.092 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX042761.D
 Acq: 31 Jul 2024 10:34

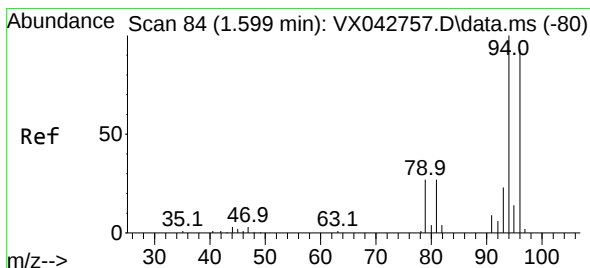
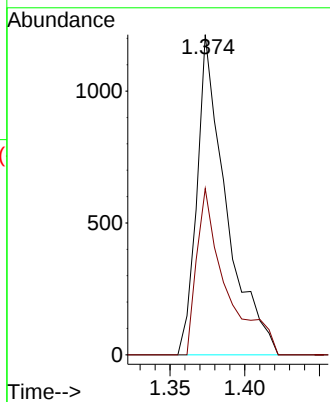
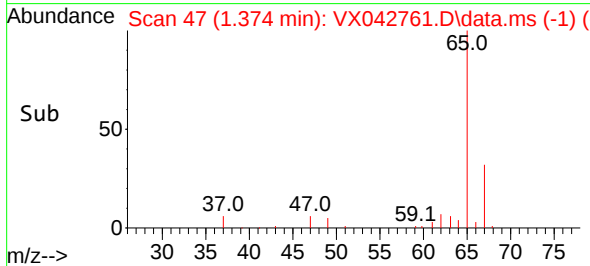
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT3-2024-06



Tgt Ion: 62 Resp: 165
 Ion Ratio Lower Upper
 62 100
 64 51.9 21.6 40.0

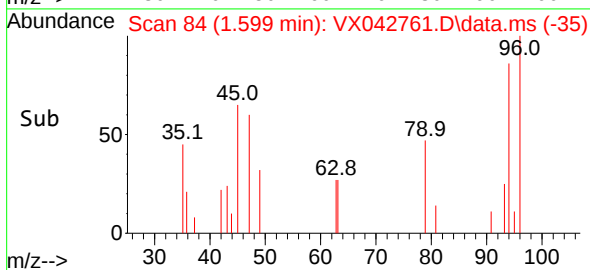
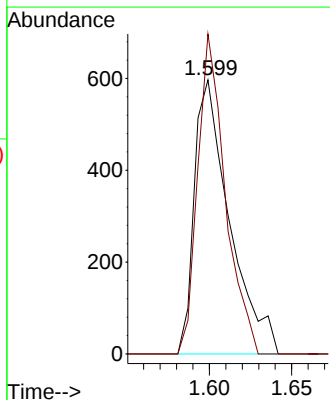
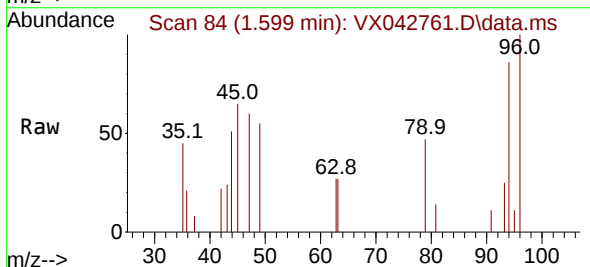
Manual Integrations
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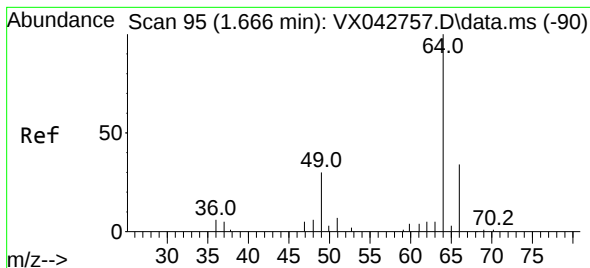
Reviewed By :John Carlone 08/01/2024
 Supervised By :Mahesh Dadoda 08/01/2024



#6
 Bromomethane
 Concen: 3.597 ug/L
 RT: 1.599 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VX042761.D
 Acq: 31 Jul 2024 10:34

Tgt Ion: 94 Resp: 888
 Ion Ratio Lower Upper
 94 100
 96 116.8 66.1 122.7





#8

Chloroethane

Concen: 2.783 ug/L

RT: 1.666 min Scan# 90

Delta R.T. -0.000 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

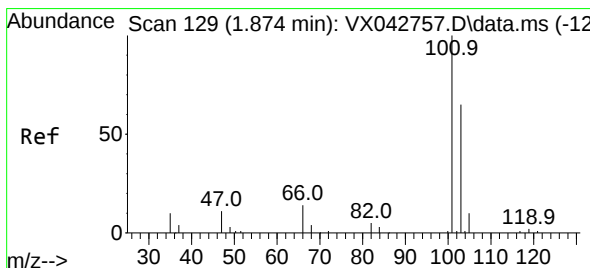
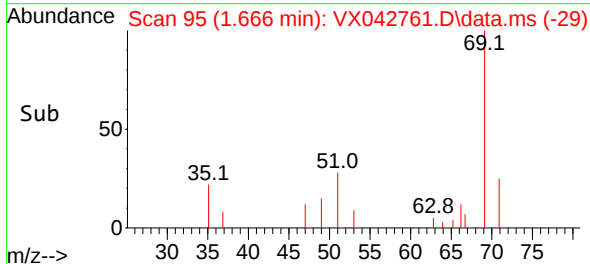
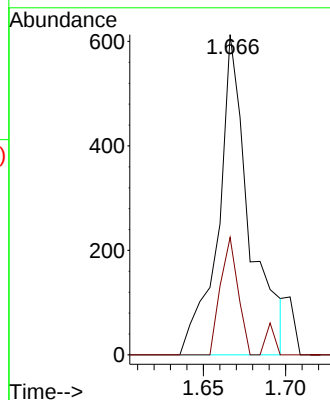
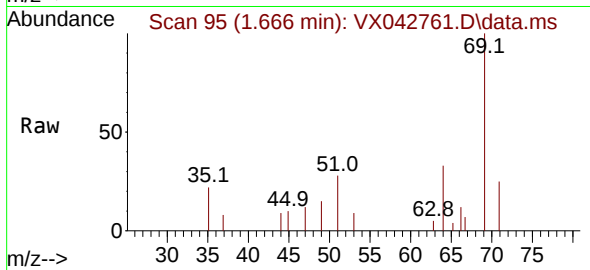
Tgt Ion: 64 Resp: 804
 Ion Ratio Lower Upper
 64 100
 66 57.3 21.4 39.8

Manual Integrations

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Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#9

Trichlorofluoromethane

Concen: 2.690 ug/L

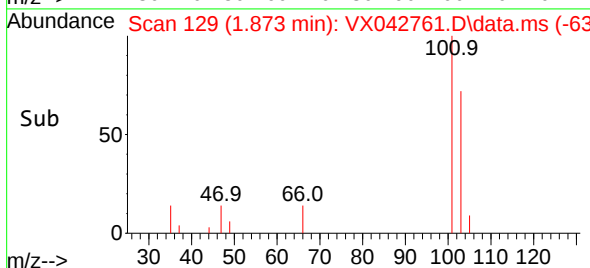
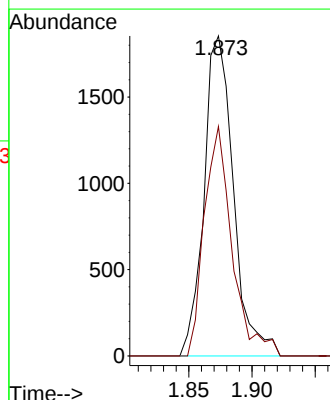
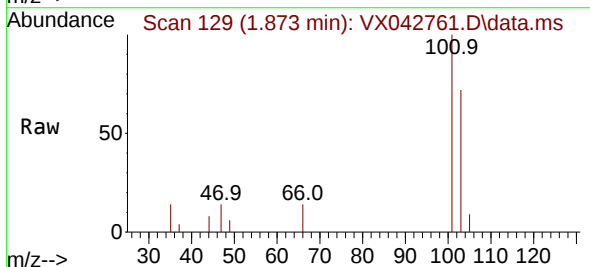
RT: 1.873 min Scan# 129

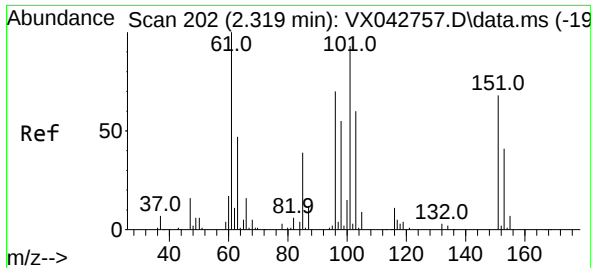
Delta R.T. -0.000 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Tgt Ion:101 Resp: 3004
 Ion Ratio Lower Upper
 101 100
 103 64.1 45.2 67.8





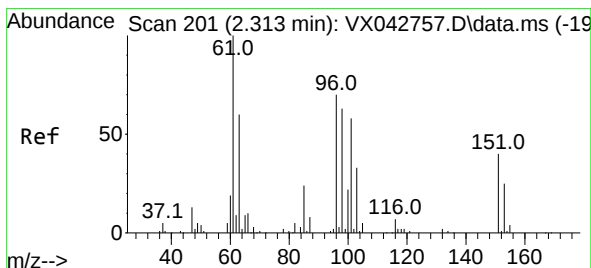
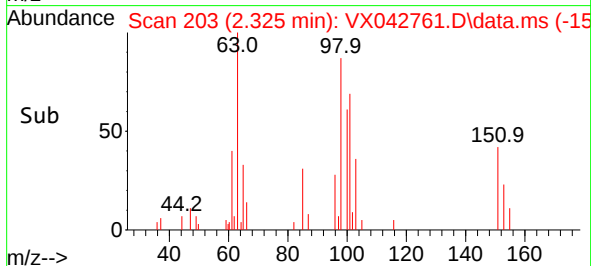
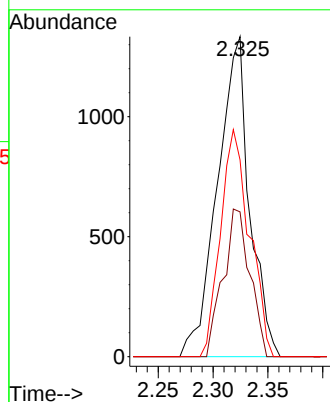
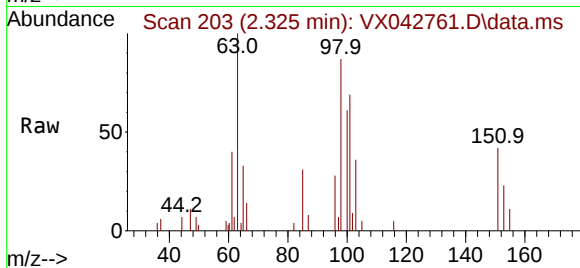
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.381 ug/L
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

Tgt Ion:101 Resp: 271
Ion Ratio Lower Upper
101 100
85 38.5 34.4 51.6
151 64.3 56.6 85.0

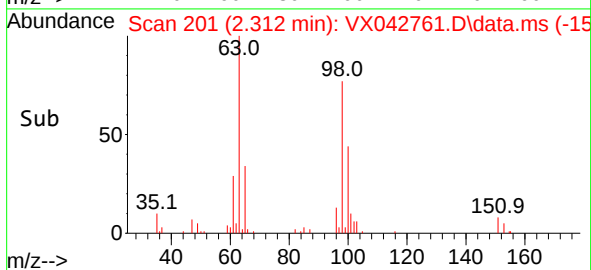
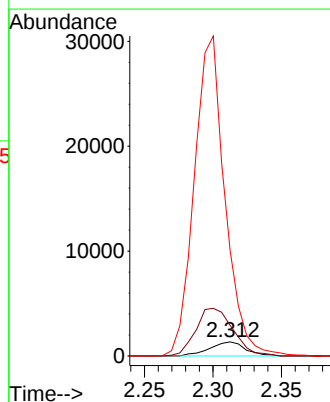
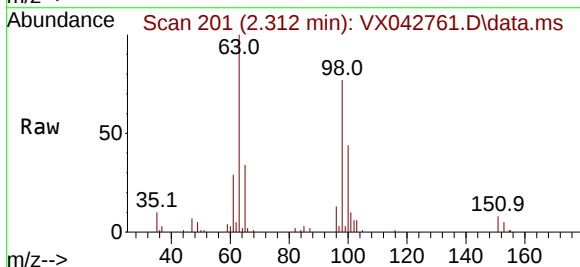
Manual Integrations
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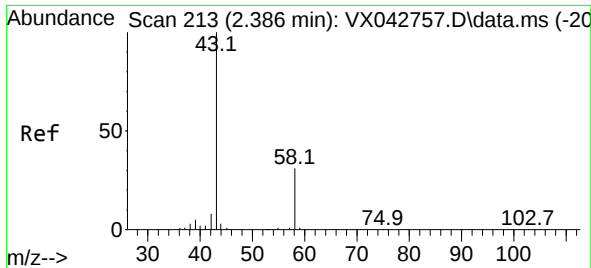
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#12
1,1-Dichloroethene
Concen: 3.313 ug/L
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

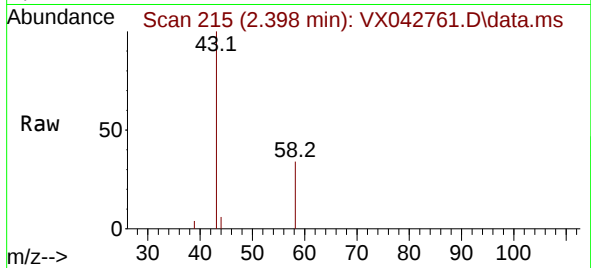
Tgt Ion: 96 Resp: 2433
Ion Ratio Lower Upper
96 100
61 215.9 113.0 209.9#
63 746.5 70.5 130.9#





#13
Acetone
Concen: 5.757 ug/L
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

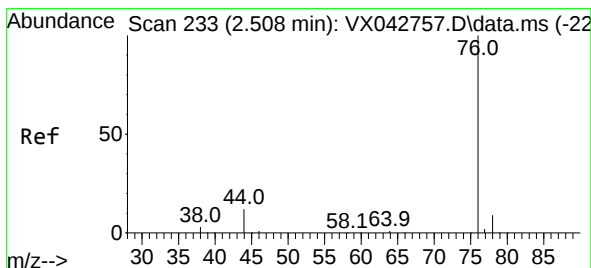
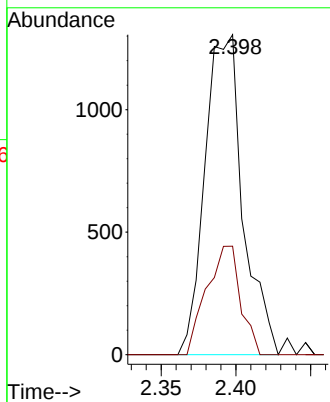
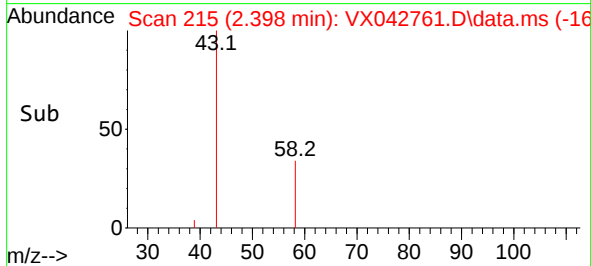
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06



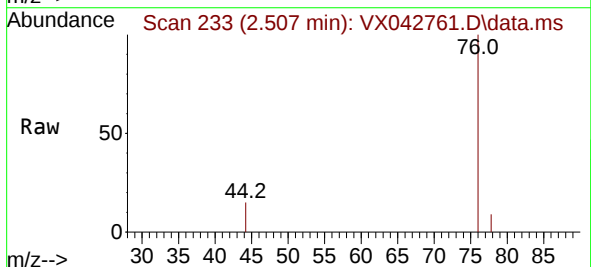
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Ion Ratio Lower Upper
43 100
58 30.2 0.0 62.4

Manual Integrations
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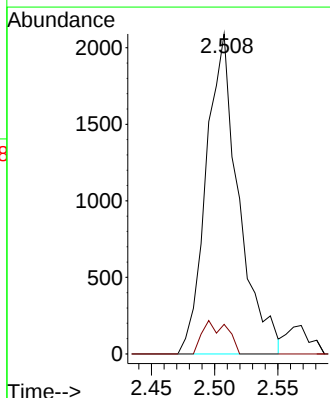
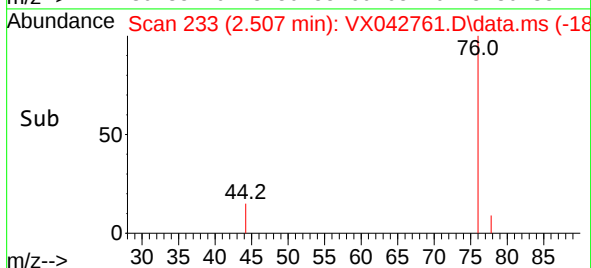
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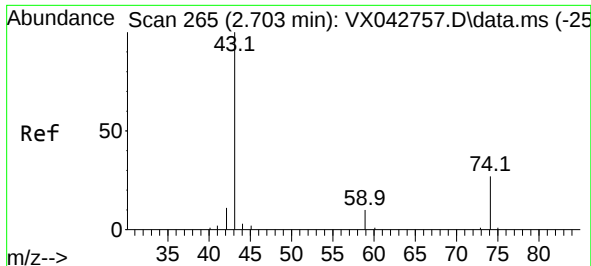


#14
Carbon disulfide
Concen: 2.086 ug/L
RT: 2.507 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34



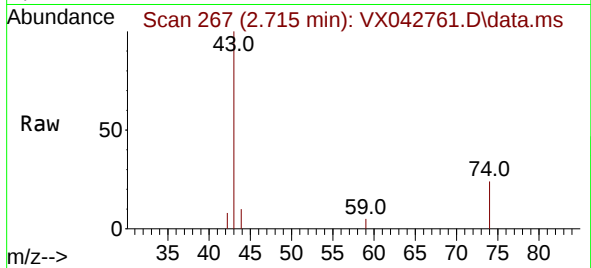
Tgt Ion: 76 Resp: 3740
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6





#15
Methyl Acetate
Concen: 2.345 ug/L
RT: 2.715 min Scan# 2079
Delta R.T. 0.012 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

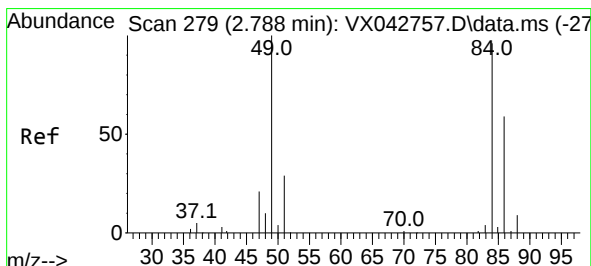
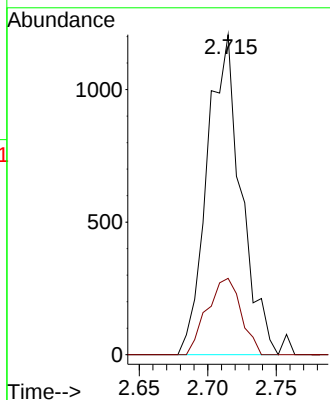
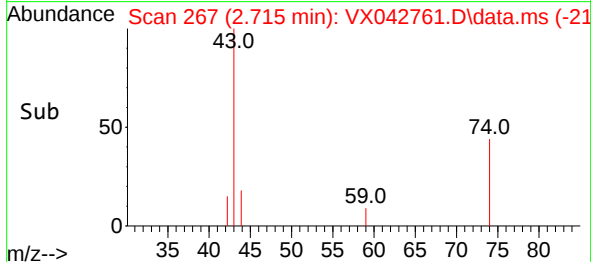
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06



Tgt Ion: 43 Resp: 2079
Ion Ratio Lower Upper
43 100
74 23.9 21.0 31.4

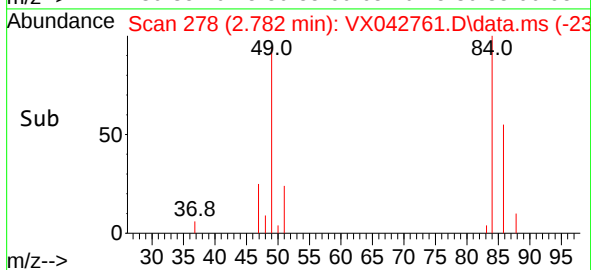
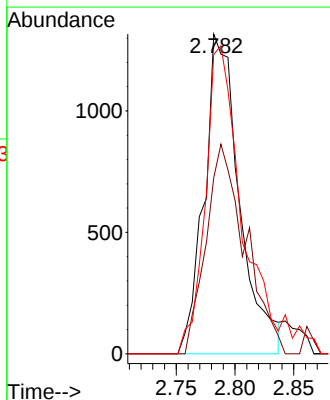
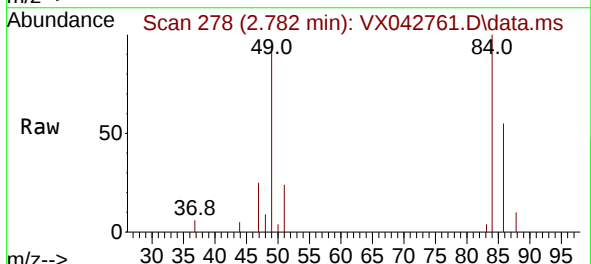
Manual Integrations
APPROVED

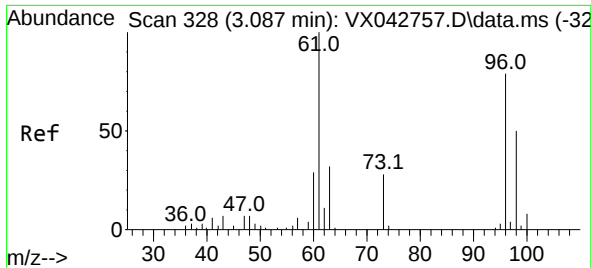
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#16
Methylene chloride
Concen: 3.247 ug/L
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Tgt Ion: 84 Resp: 2754
Ion Ratio Lower Upper
84 100
86 55.0 43.5 80.7
49 93.6 81.1 150.7





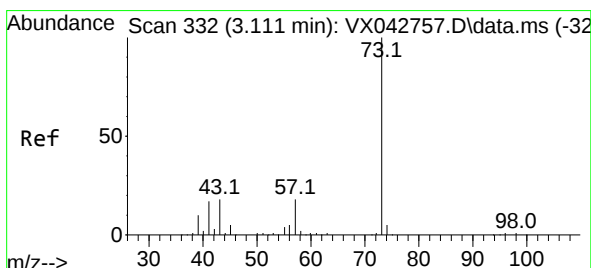
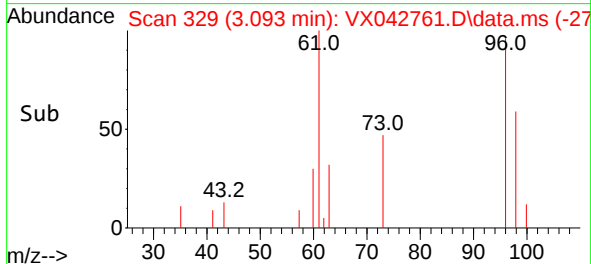
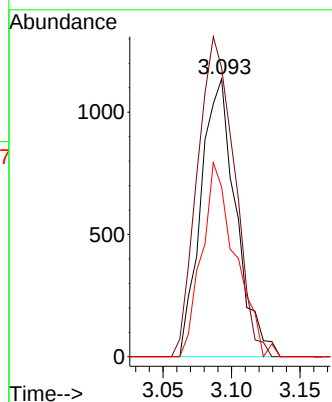
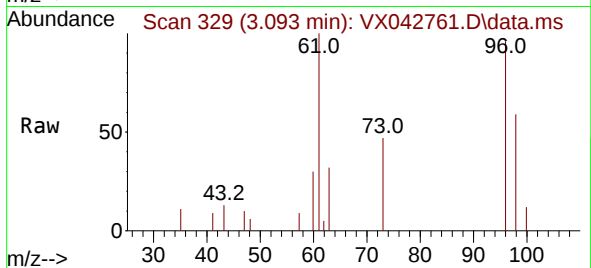
#17
trans-1,2-Dichloroethene
Concen: 2.683 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 96 Resp: 202
Ion Ratio Lower Upper
96 100
61 104.0 99.3 184.3
98 61.0 43.8 81.3

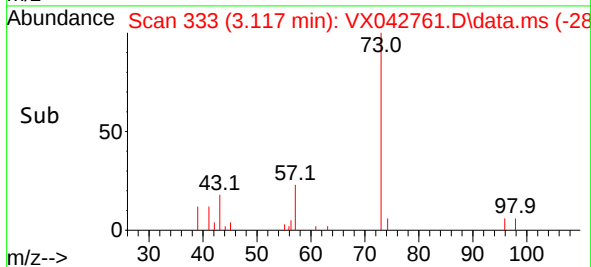
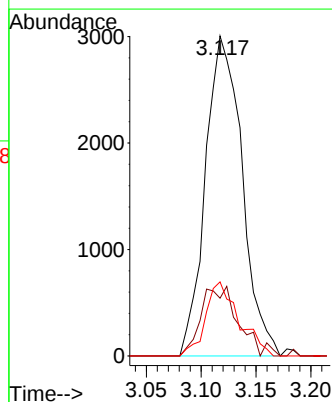
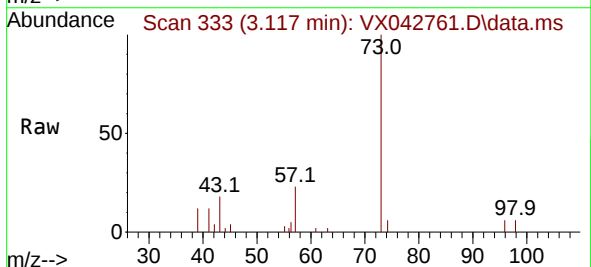
Manual Integrations
APPROVED

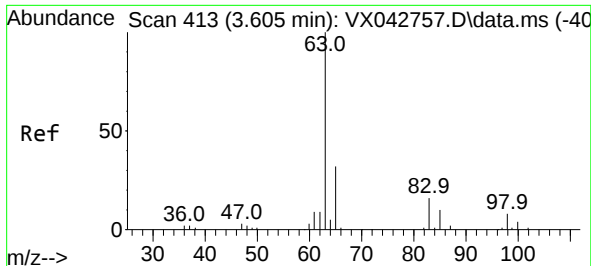
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#18
Methyl tert-butyl Ether
Concen: 2.677 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Tgt Ion: 73 Resp: 6994
Ion Ratio Lower Upper
73 100
43 12.3 15.4 23.2#
57 17.5 16.9 25.3





#19

1,1-Dichloroethane

Concen: 2.322 ug/L

RT: 3.617 min Scan# 413

Delta R.T. 0.012 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

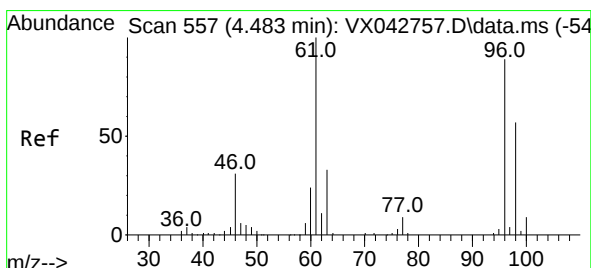
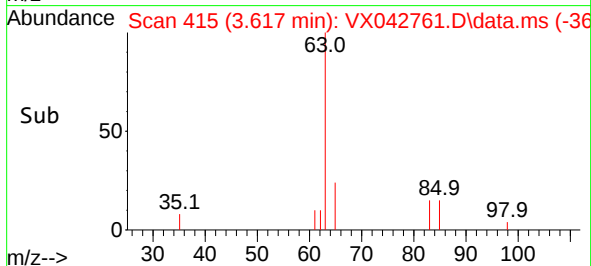
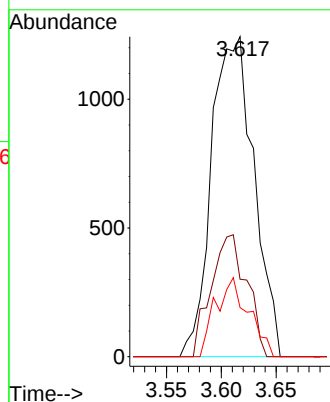
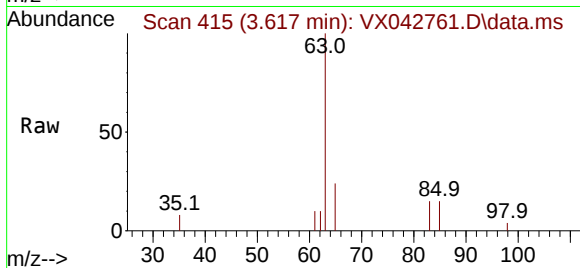
Tgt Ion: 63	Resp: 334
Ion Ratio	Lower Upper
63 100	
65 24.2	23.6 43.8
83 15.4	10.9 20.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#20

cis-1,2-Dichloroethene

Concen: 2.632 ug/L

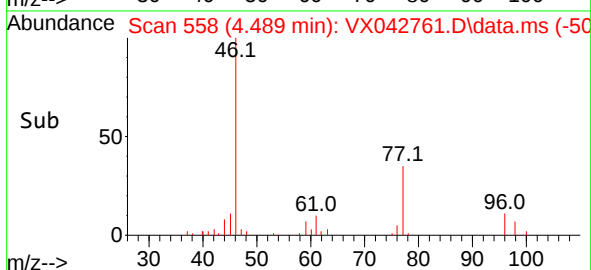
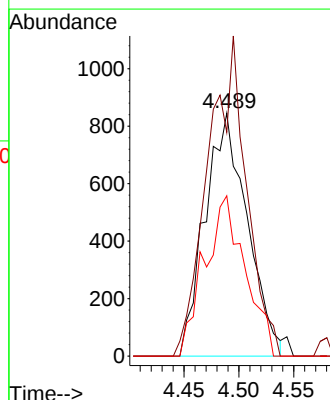
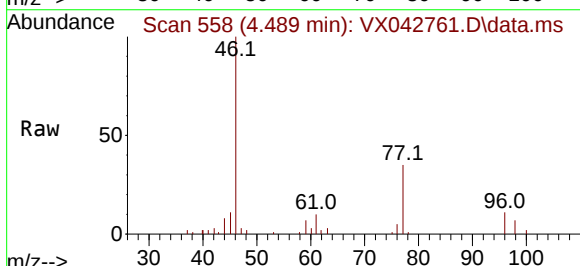
RT: 4.489 min Scan# 558

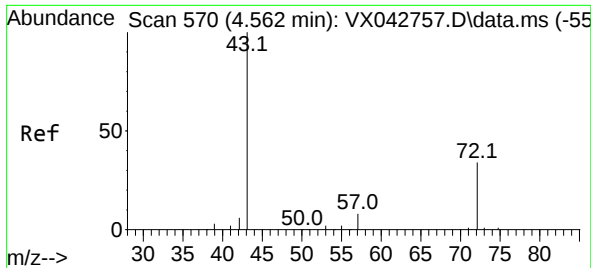
Delta R.T. 0.006 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Tgt Ion: 96	Resp: 2266
Ion Ratio	Lower Upper
96 100	
61 92.2	85.3 158.3
98 66.0	42.7 79.3





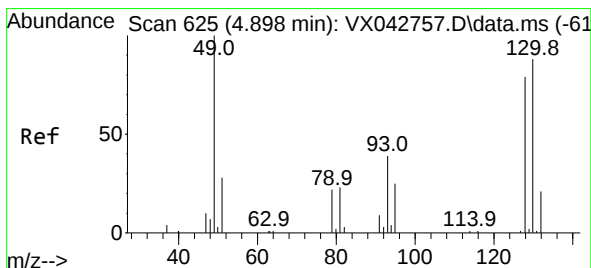
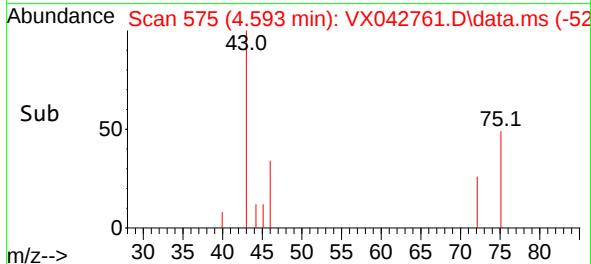
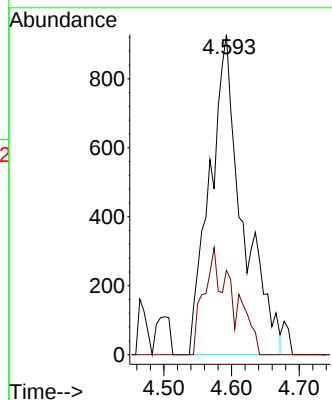
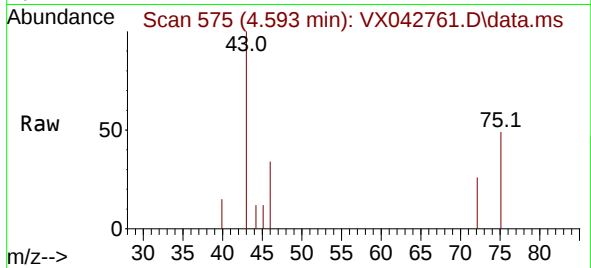
#22
2-Butanone
Concen: 5.116 ug/L m
RT: 4.593 min Scan# 511
Delta R.T. 0.030 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 43 Resp: 3110
Ion Ratio Lower Upper
43 100
72 6.9 13.4 40.2

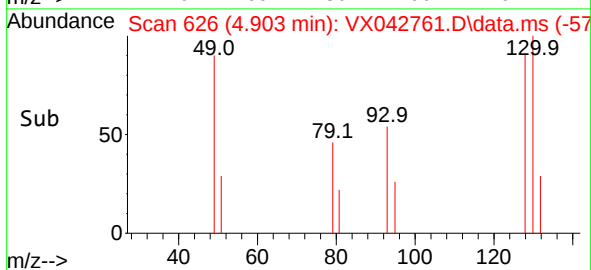
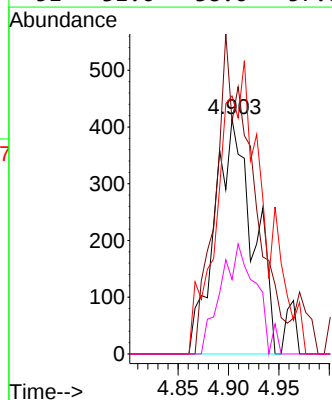
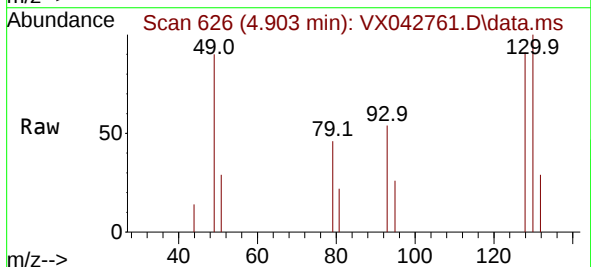
Manual Integrations
APPROVED

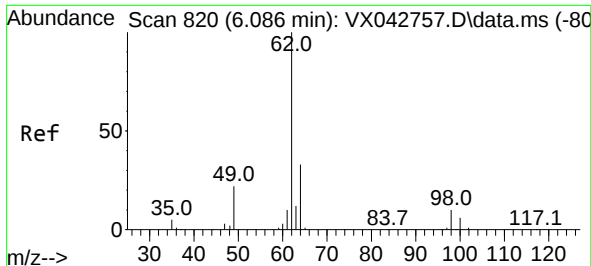
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#23
Bromochloromethane
Concen: 2.713 ug/L m
RT: 4.903 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

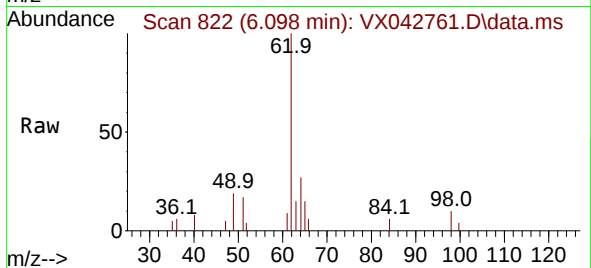
Tgt Ion:128 Resp: 1106
Ion Ratio Lower Upper
128 100
49 99.0 107.0 198.6#
130 109.9 85.5 158.9
51 31.6 38.6 57.8#





#27
1,2-Dichloroethane
Concen: 2.984 ug/L
RT: 6.098 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

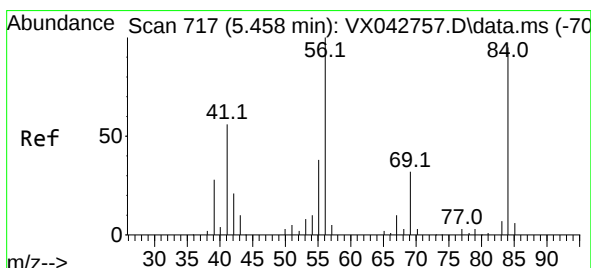
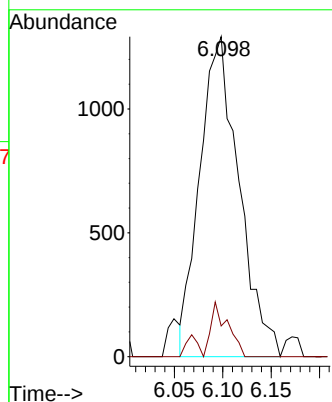
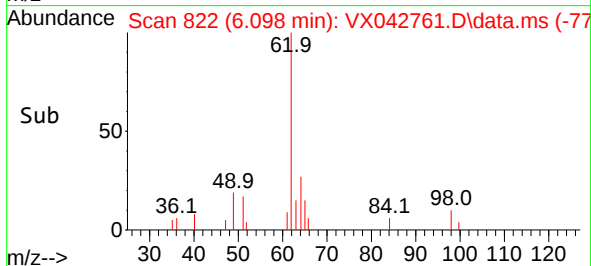
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06



Tgt Ion: 62 Resp: 363
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7

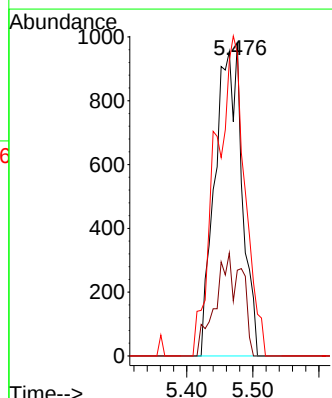
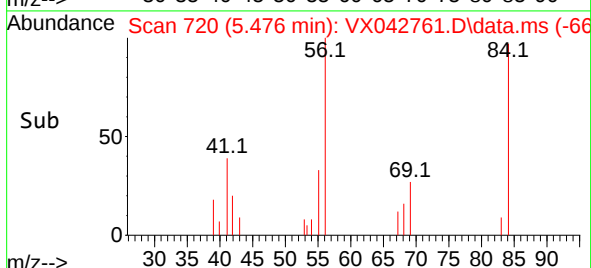
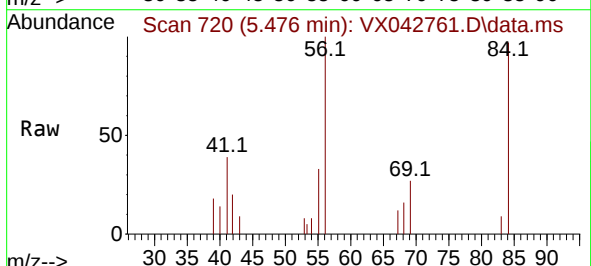
Manual Integrations
APPROVED

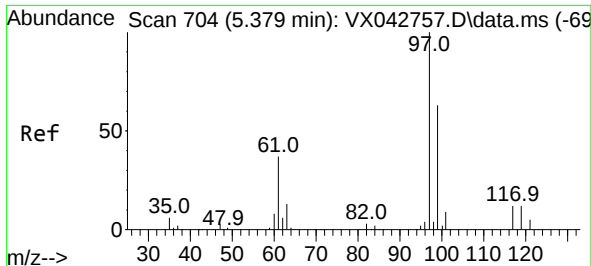
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#29
Cyclohexane
Concen: 2.148 ug/L m
RT: 5.476 min Scan# 720
Delta R.T. 0.018 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

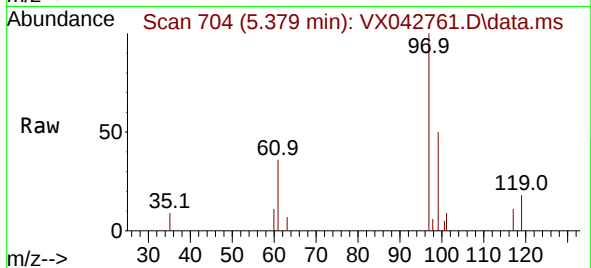
Tgt Ion: 56 Resp: 2741
Ion Ratio Lower Upper
56 100
69 19.3 26.1 39.1#
84 74.7 75.5 113.3#





#30
1,1,1-Trichloroethane
Concen: 2.705 ug/L m
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

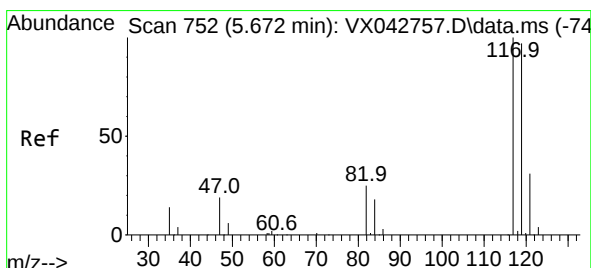
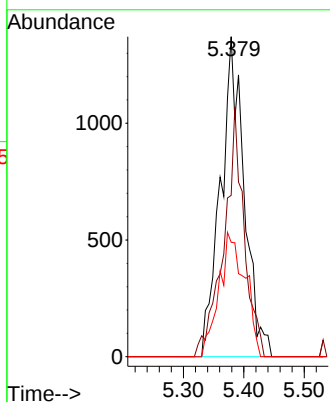
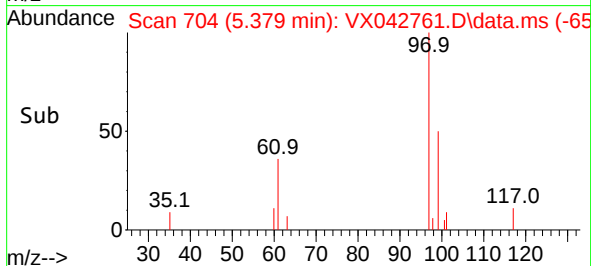
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06



Tgt Ion: 97 Resp: 3729
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 37.0 34.4 51.6

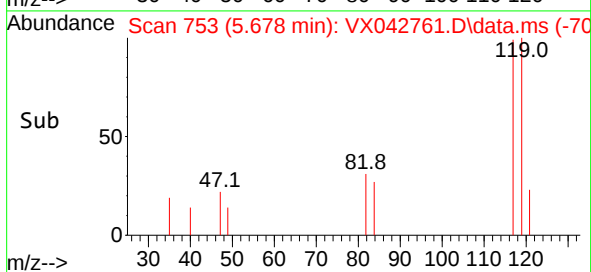
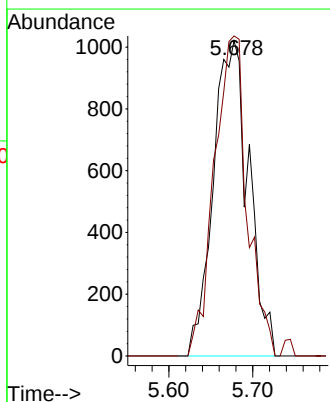
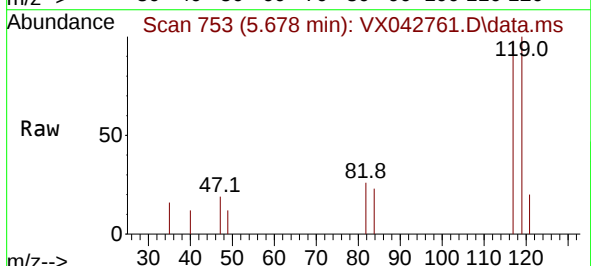
Manual Integrations
APPROVED

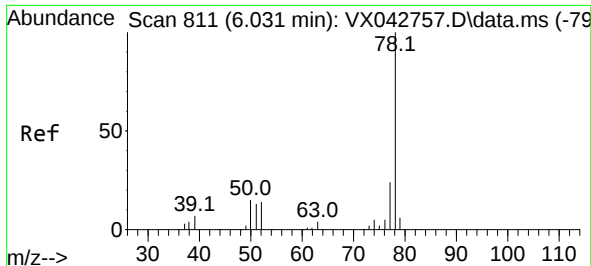
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#31
Carbon tetrachloride
Concen: 2.566 ug/L m
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Tgt Ion:117 Resp: 2988
Ion Ratio Lower Upper
117 100
119 94.1 76.2 114.2





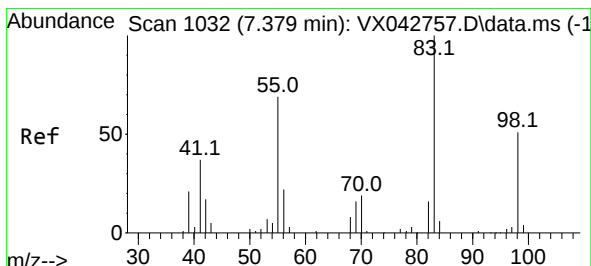
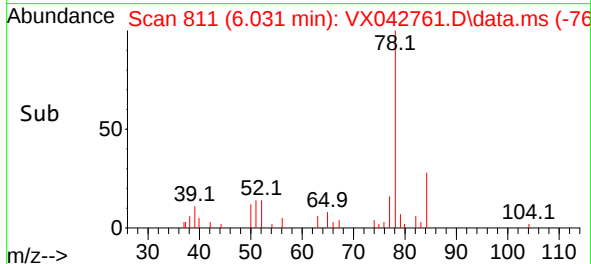
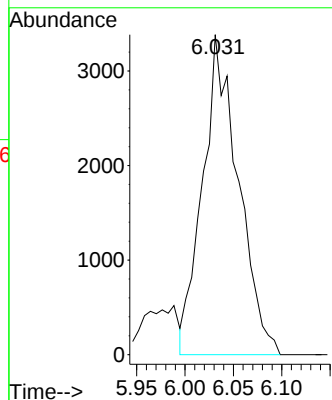
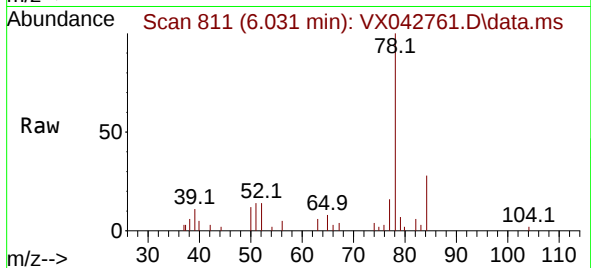
#33
Benzene
Concen: 2.628 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 78 Resp: 868

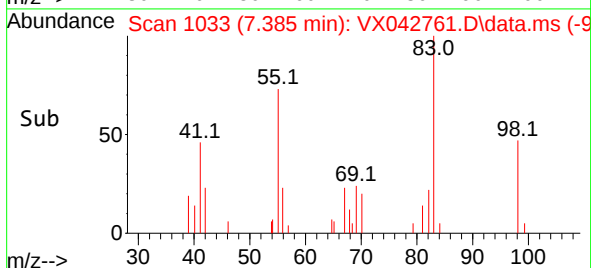
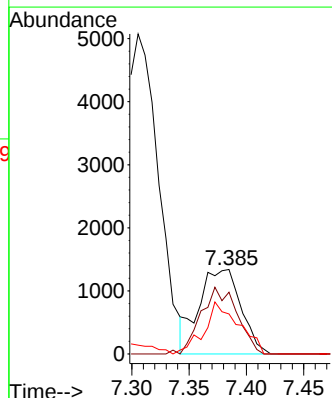
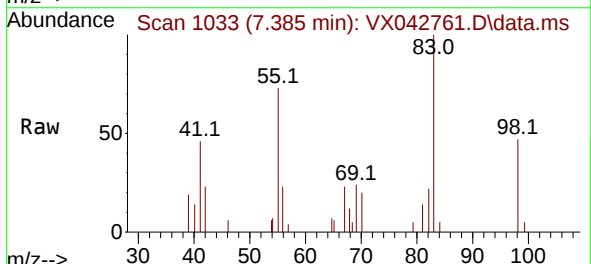
Manual Integrations
APPROVED

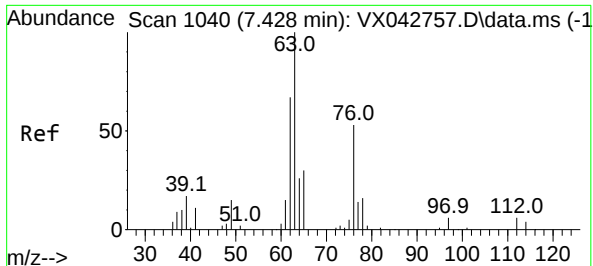
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#35
Methylcyclohexane
Concen: 2.564 ug/L m
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Tgt Ion: 83 Resp: 3425
Ion Ratio Lower Upper
83 100
55 67.3 58.2 87.2
98 50.2 38.5 57.7





#37

1,2-Dichloropropane

Concen: 2.486 ug/L

RT: 7.433 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 63 Resp: 2134

Ion Ratio Lower Upper

63 100

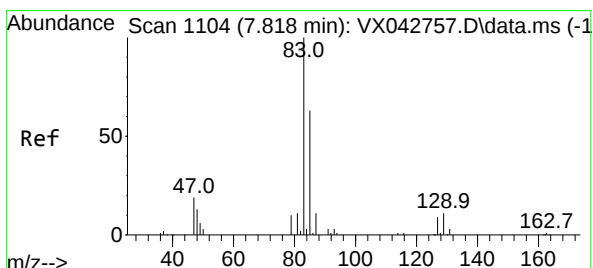
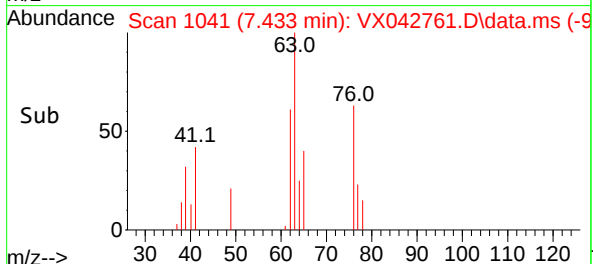
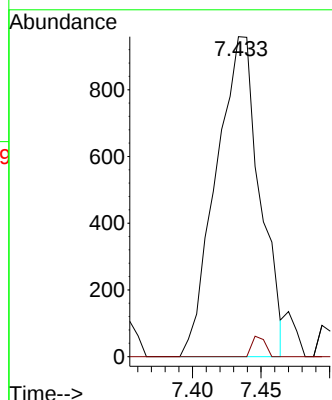
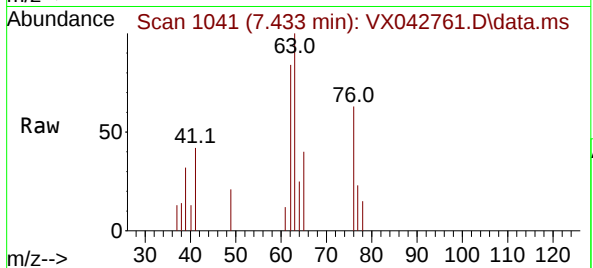
112 1.9 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#38

Bromodichloromethane

Concen: 2.216 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

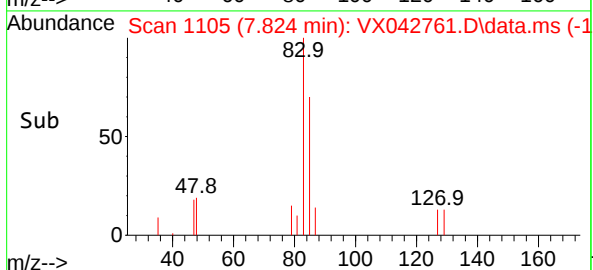
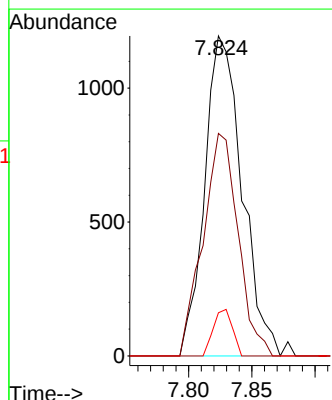
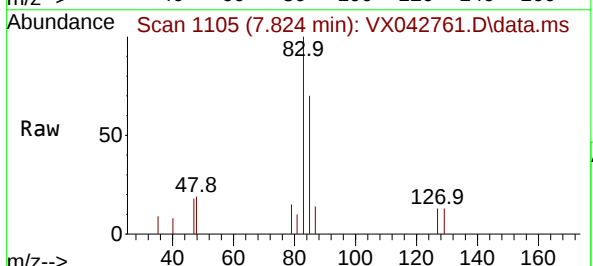
Tgt Ion: 83 Resp: 2459

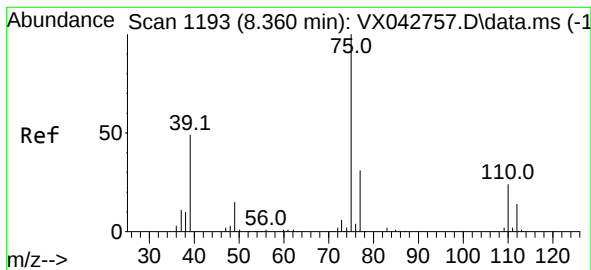
Ion Ratio Lower Upper

83 100

85 69.5 43.7 81.1

127 13.5 6.5 9.7#





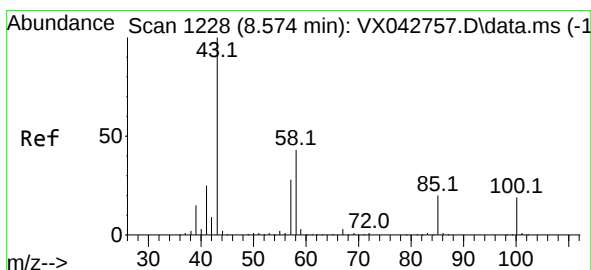
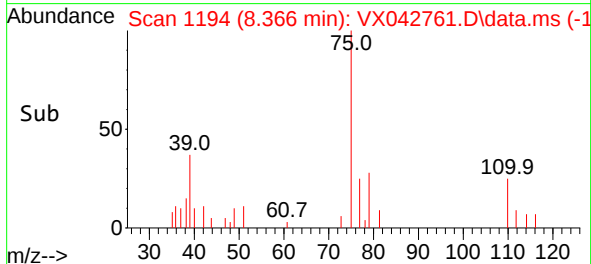
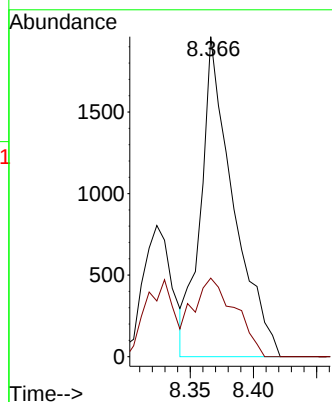
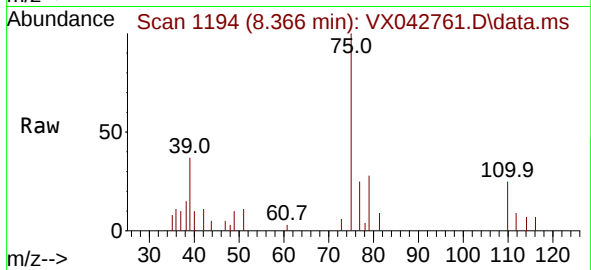
#39
 cis-1,3-Dichloropropene
 Concen: 2.655 ug/L
 RT: 8.366 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VX042761.D
 Acq: 31 Jul 2024 10:34

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 75 Resp: 3499
 Ion Ratio Lower Upper
 75 100
 77 24.6 21.4 39.8

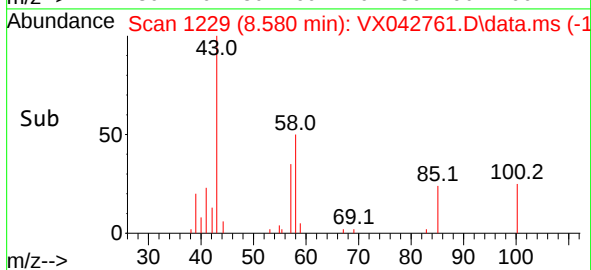
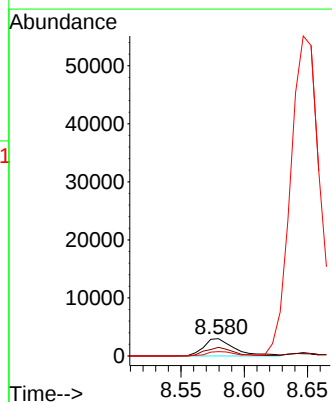
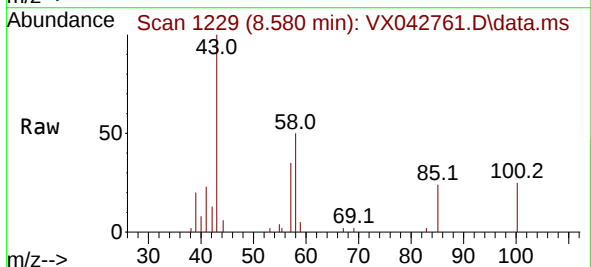
Manual Integrations
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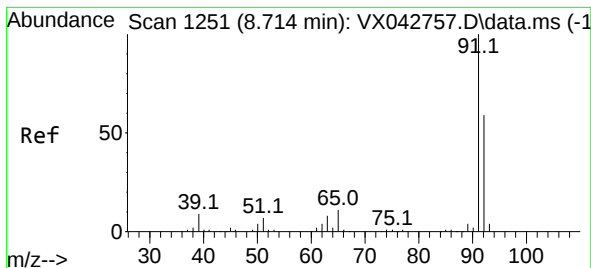
Reviewed By :John Carlone 08/01/2024
 Supervised By :Mahesh Dadoda 08/01/2024



#40
 4-Methyl-2-pentanone
 Concen: 4.273 ug/L
 RT: 8.580 min Scan# 1229
 Delta R.T. 0.006 min
 Lab File: VX042761.D
 Acq: 31 Jul 2024 10:34

Tgt Ion: 43 Resp: 5047
 Ion Ratio Lower Upper
 43 100
 58 45.6 32.4 48.6
 100 23.8 13.4 20.0#





#42

Toluene

Concen: 2.778 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 91 Resp: 945

Ion Ratio Lower Upper

91 100

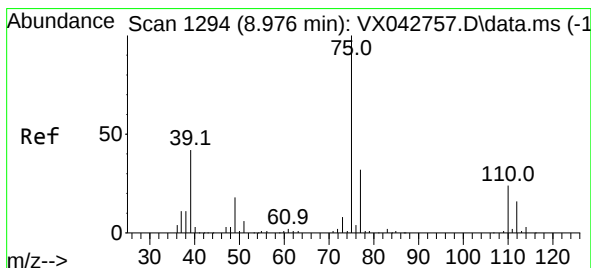
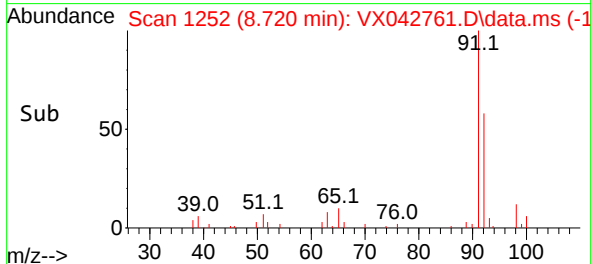
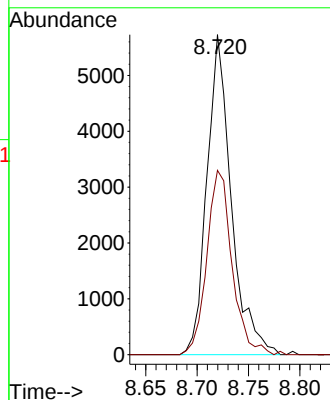
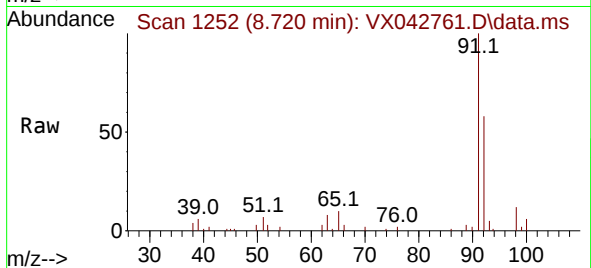
92 57.6 41.9 77.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#44

trans-1,3-Dichloropropene

Concen: 2.368 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX042761.D

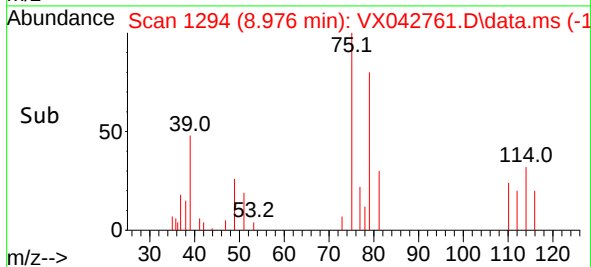
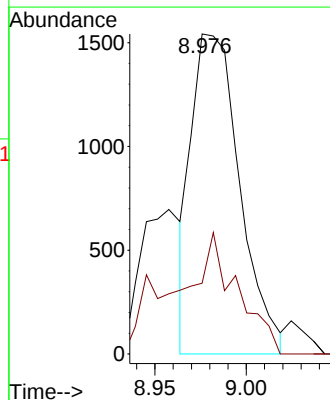
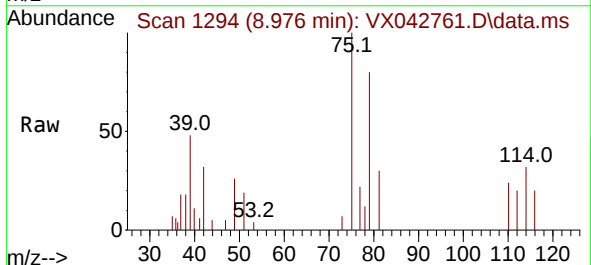
Acq: 31 Jul 2024 10:34

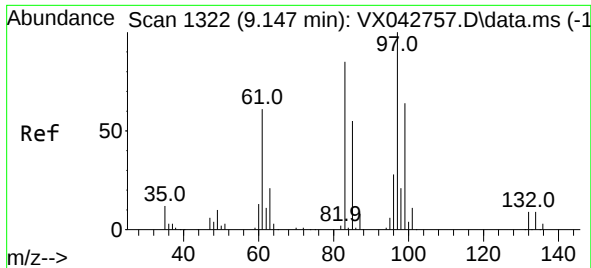
Tgt Ion: 75 Resp: 2829

Ion Ratio Lower Upper

75 100

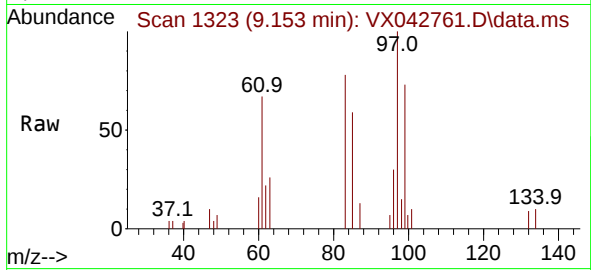
77 22.1 22.0 40.8





#45
1,1,2-Trichloroethane
Concen: 2.686 ug/L
RT: 9.153 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

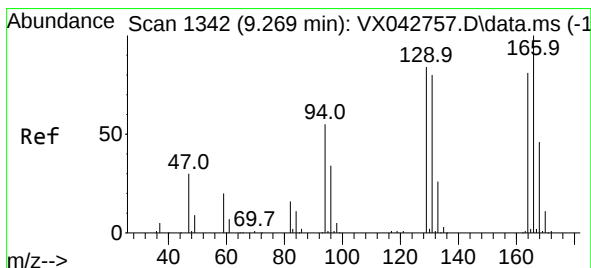
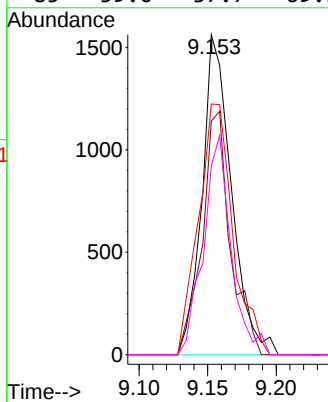
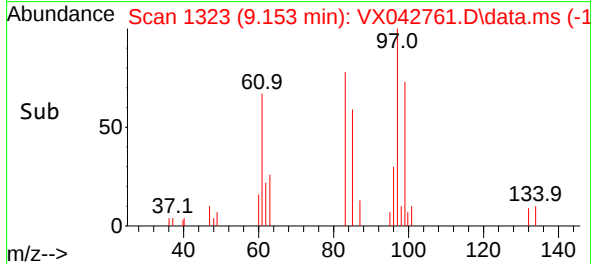
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06



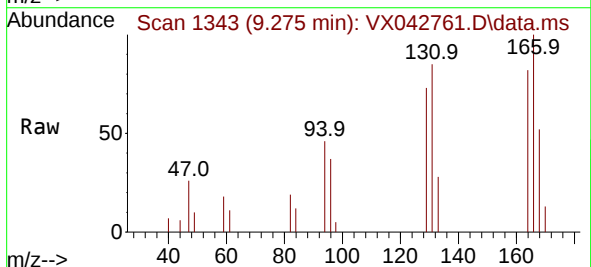
Tgt Ion: 97 Resp: 2329
Ion Ratio Lower Upper
97 100
99 73.0 42.6 79.2
83 78.4 59.3 110.1
85 59.0 37.7 69.9

Manual Integrations
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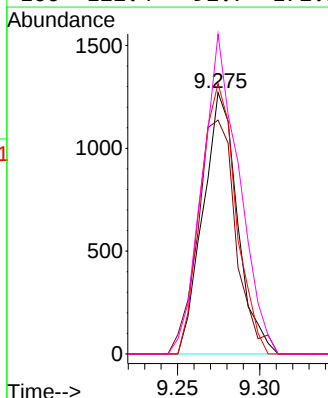
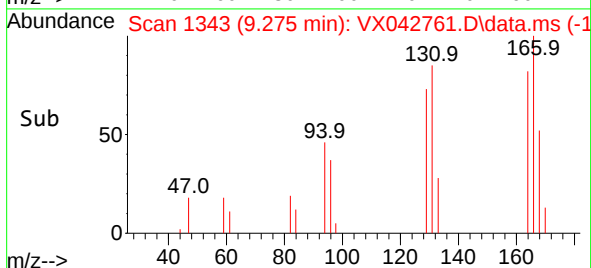
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024

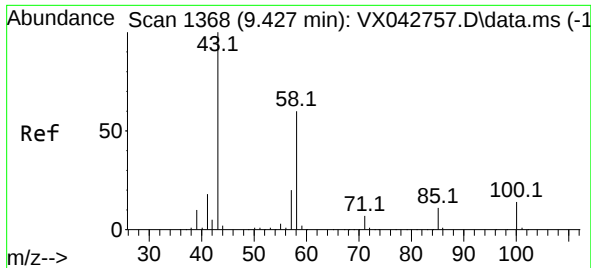


#46
Tetrachloroethene
Concen: 3.055 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34



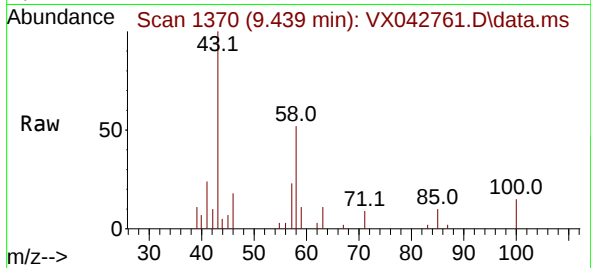
Tgt Ion:164 Resp: 1839
Ion Ratio Lower Upper
164 100
129 89.5 74.2 137.8
131 103.5 66.9 124.3
166 122.4 92.7 172.1





#48
2-Hexanone
Concen: 5.814 ug/L
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

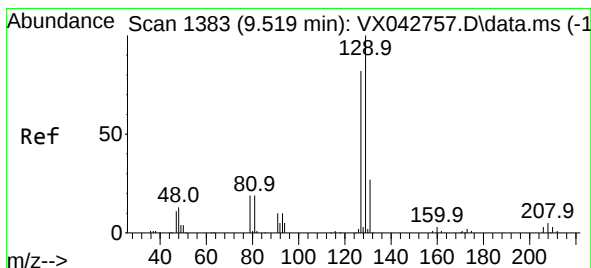
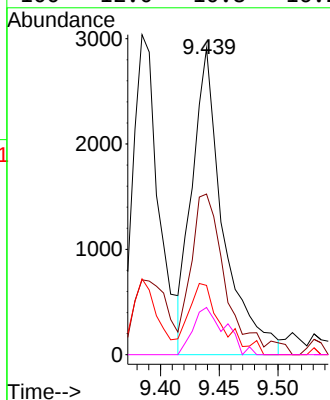
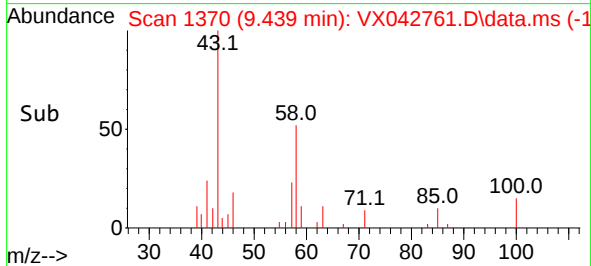
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06



Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 53.2 44.9 67.3
57 23.8 15.8 23.6
100 12.0 10.8 16.2

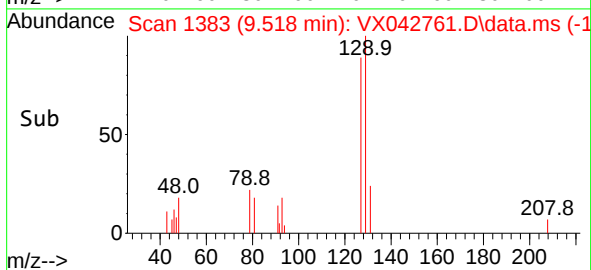
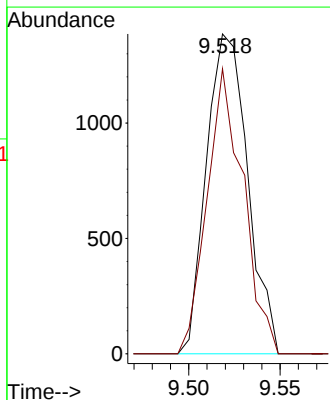
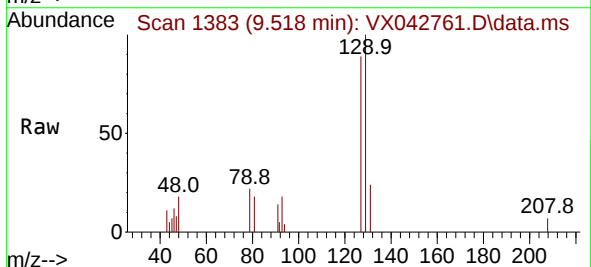
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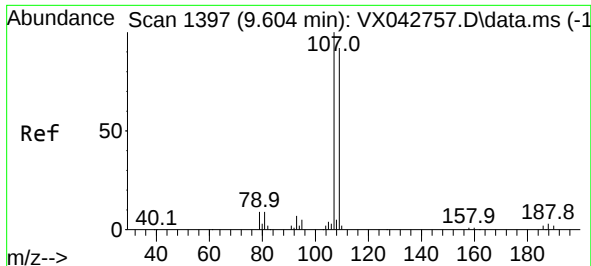
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#49
Dibromochloromethane
Concen: 2.695 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Tgt Ion:129 Resp: 2182
Ion Ratio Lower Upper
129 100
127 89.1 57.4 106.6





#50

1,2-Dibromoethane

Concen: 2.962 ug/L

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

Tgt Ion:107 Resp: 267

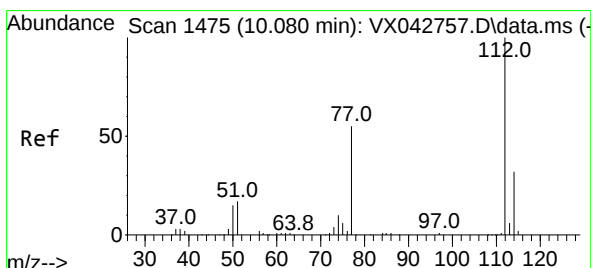
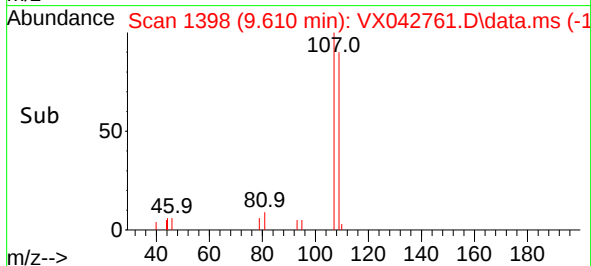
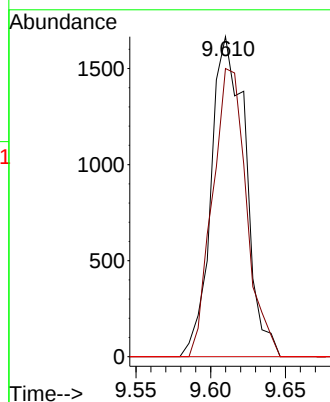
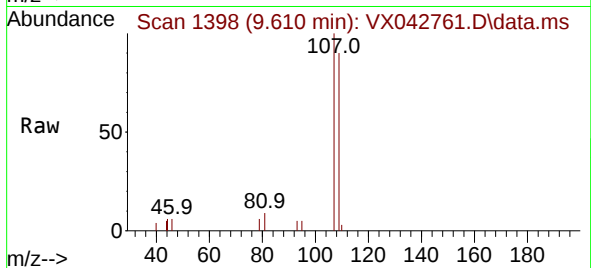
Ion	Ratio	Lower	Upper
107	100		
109	90.0	65.4	121.4
188	0.0	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#51

Chlorobenzene

Concen: 2.928 ug/L

RT: 10.079 min Scan# 1475

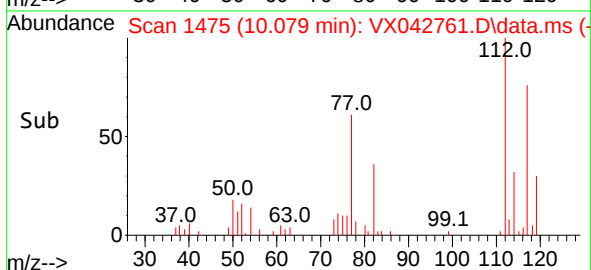
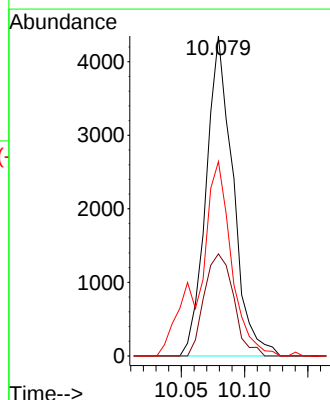
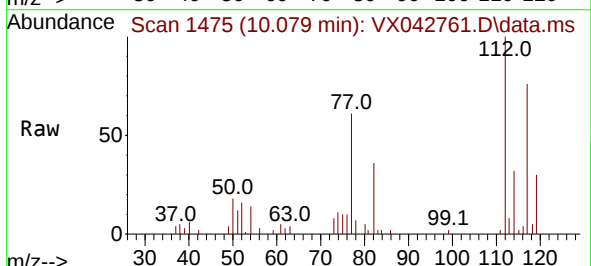
Delta R.T. -0.000 min

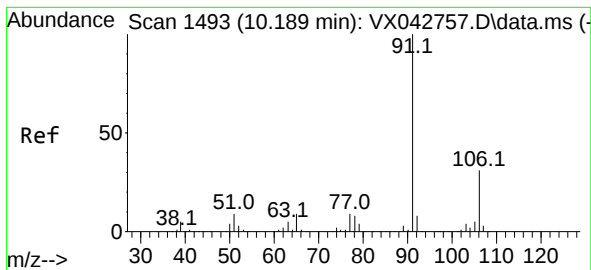
Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Tgt Ion:112 Resp: 6441

Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.2	43.2
77	60.8	46.3	69.5





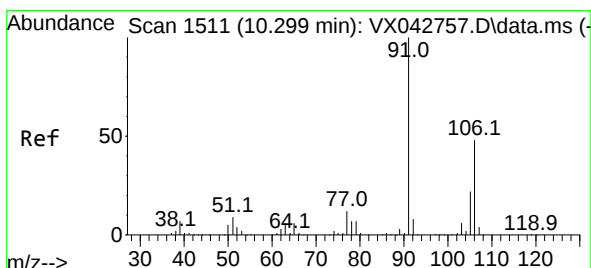
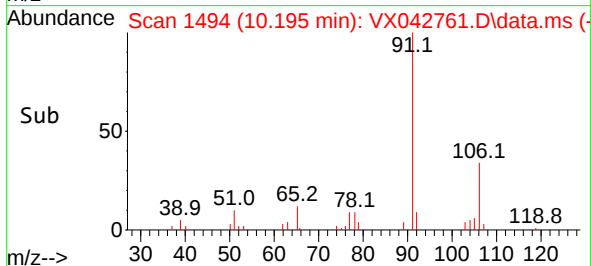
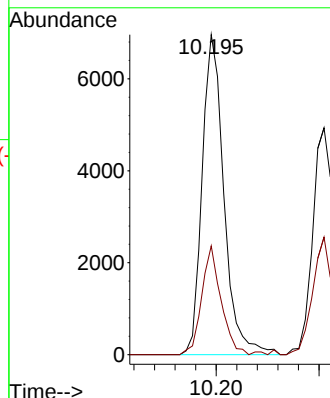
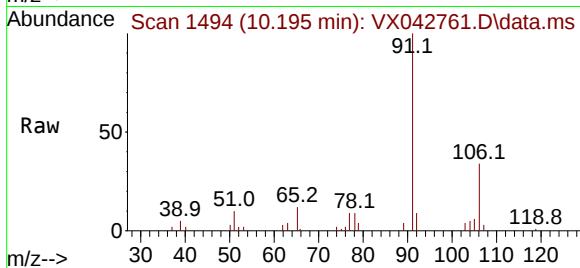
#52
Ethylbenzene
Concen: 2.749 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 91 Resp: 1025
Ion Ratio Lower Upper
91 100
106 34.0 21.8 40.4

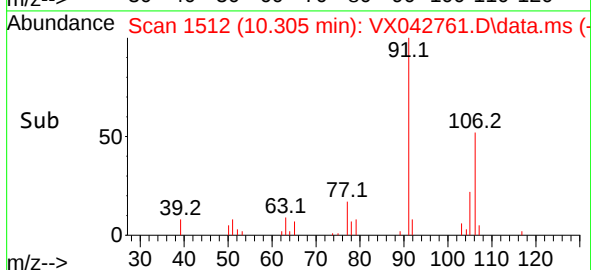
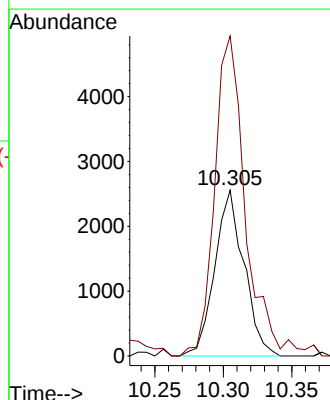
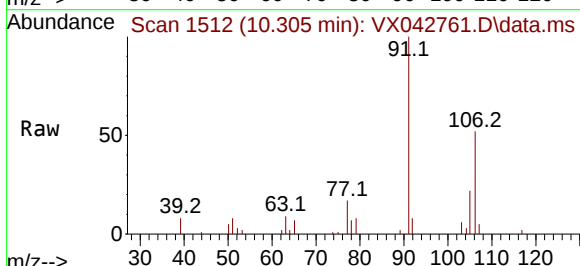
Manual Integrations
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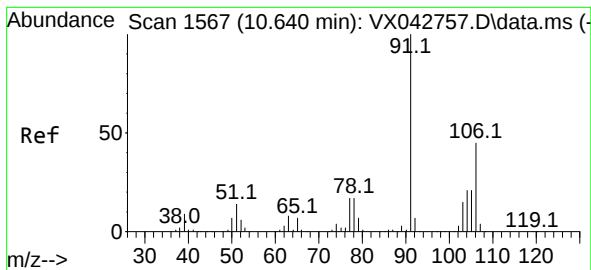
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#53
m,p-Xylene
Concen: 2.695 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Tgt Ion:106 Resp: 3789
Ion Ratio Lower Upper
106 100
91 193.0 146.8 272.6





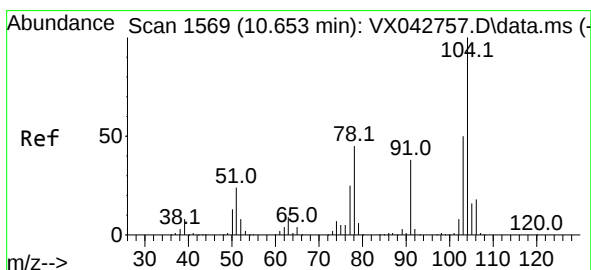
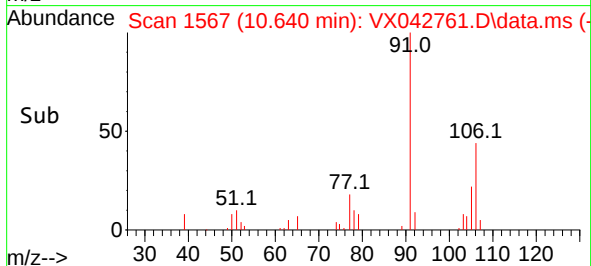
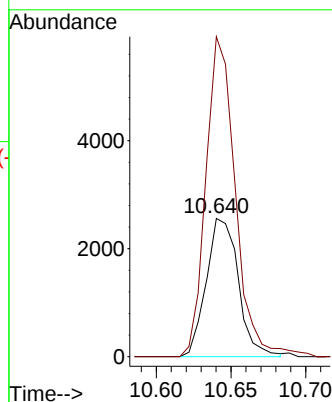
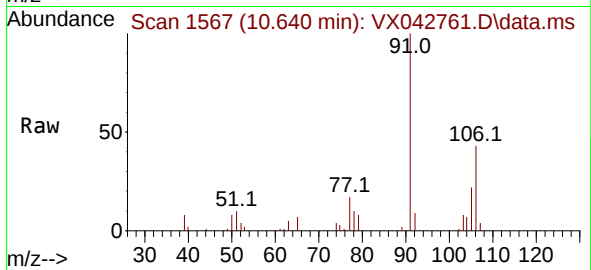
#54
o-Xylene
Concen: 2.730 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06

Tgt Ion:106 Resp: 3818
Ion Ratio Lower Upper
106 100
91 231.4 154.6 287.2

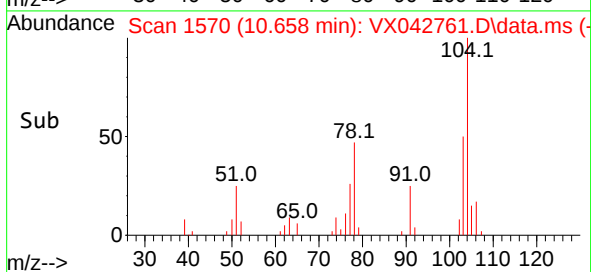
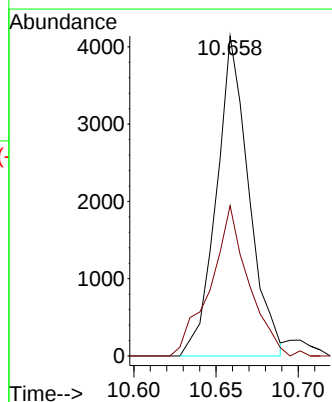
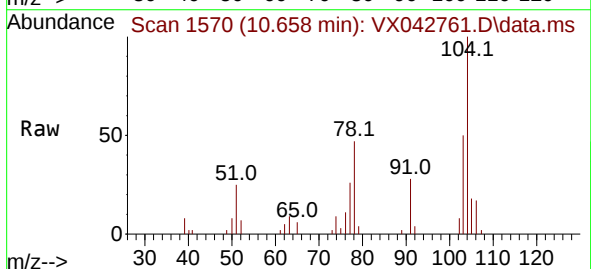
Manual Integrations
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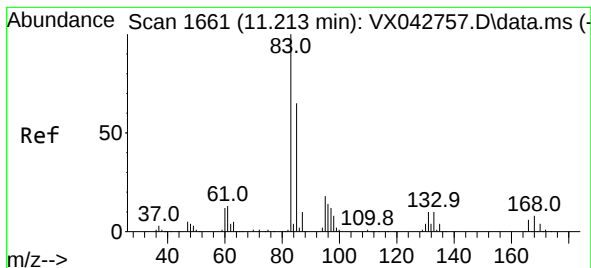
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#55
Styrene
Concen: 2.435 ug/L
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Tgt Ion:104 Resp: 5676
Ion Ratio Lower Upper
104 100
78 46.9 32.6 60.5





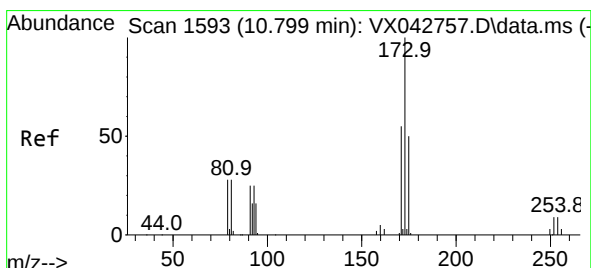
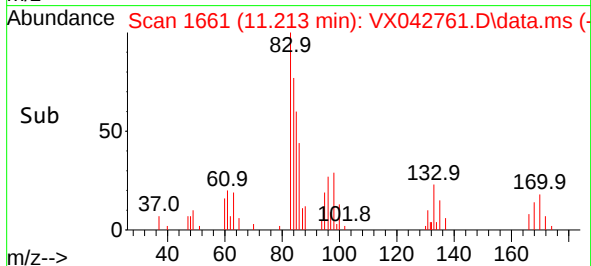
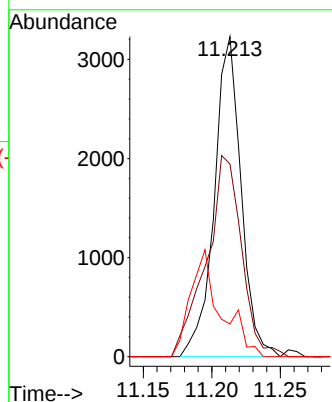
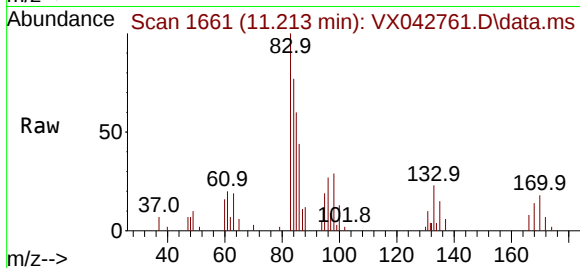
#57
1,1,2,2-Tetrachloroethane
Concen: 3.163 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 83 Resp: 4380
Ion Ratio Lower Upper
83 100
85 60.2 46.1 85.5
131 14.2 8.6 13.0

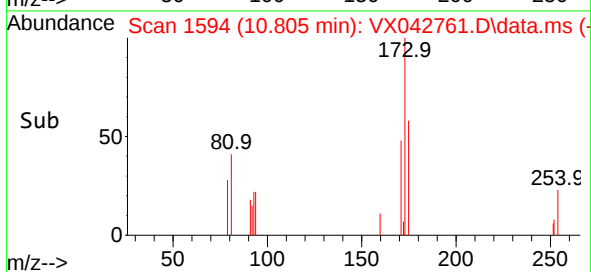
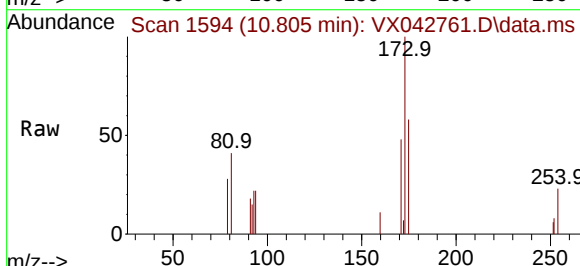
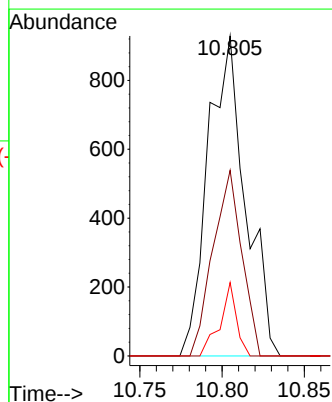
Manual Integrations
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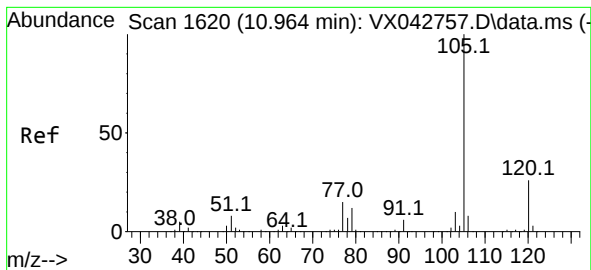
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#59
Bromoform
Concen: 2.748 ug/L
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

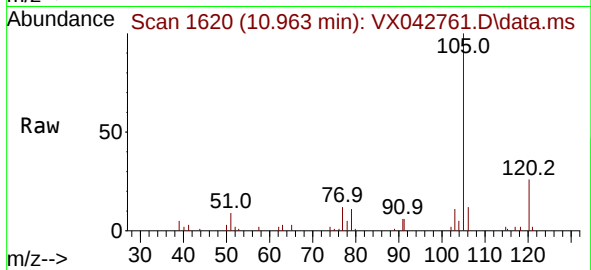
Tgt Ion:173 Resp: 1469
Ion Ratio Lower Upper
173 100
175 44.7 37.4 56.2
254 10.1 6.8 10.2





#60
Isopropylbenzene
Concen: 2.613 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

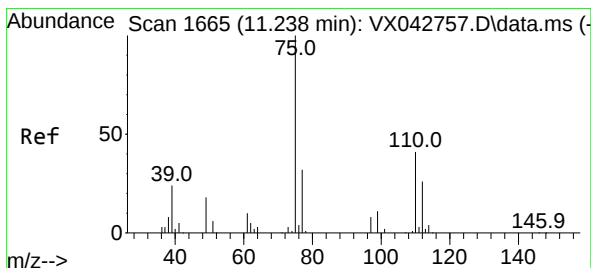
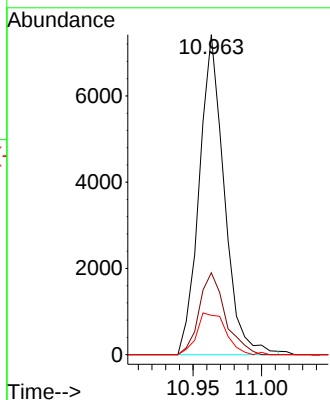
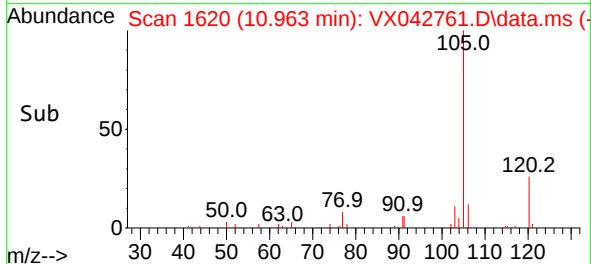
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06



Tgt Ion:105 Resp: 940
Ion Ratio Lower Upper
105 100
120 26.6 21.0 31.6
77 15.1 12.9 19.3

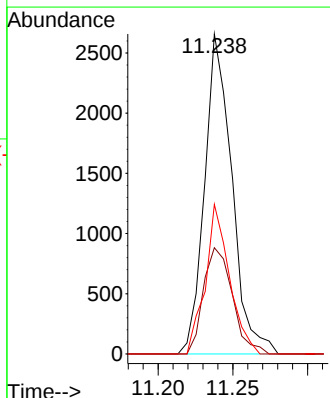
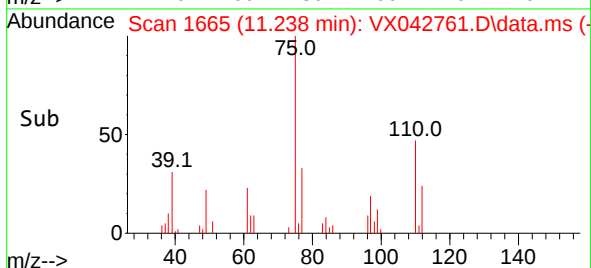
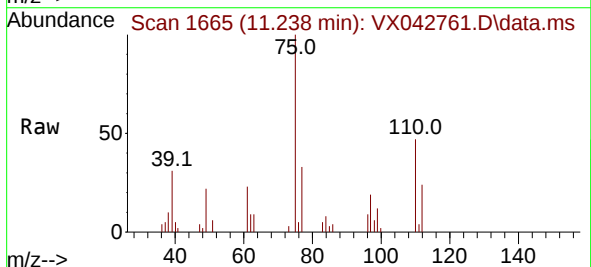
Manual Integrations
APPROVED

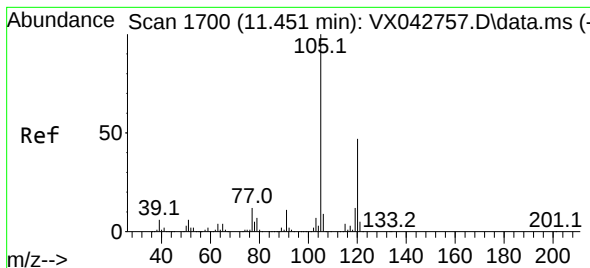
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#61
1,2,3-Trichloropropane
Concen: 3.065 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

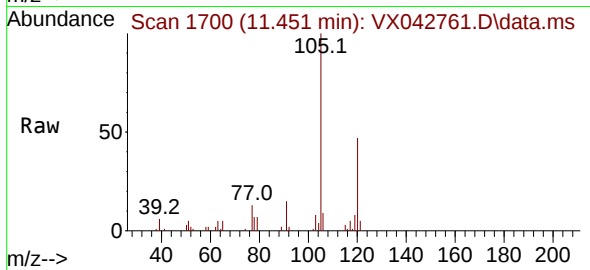
Tgt Ion: 75 Resp: 3377
Ion Ratio Lower Upper
75 100
77 35.1 26.2 39.4
110 41.2 33.0 49.4





#62
1,3,5-Trimethylbenzene
Concen: 2.537 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

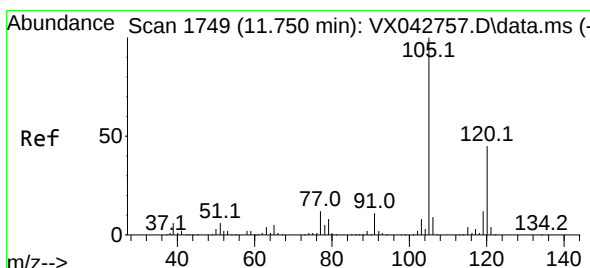
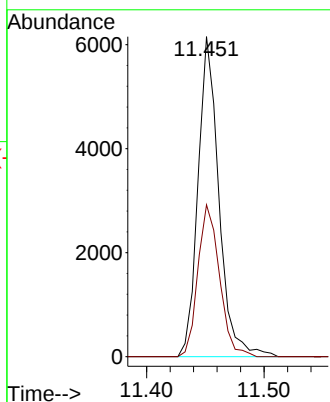
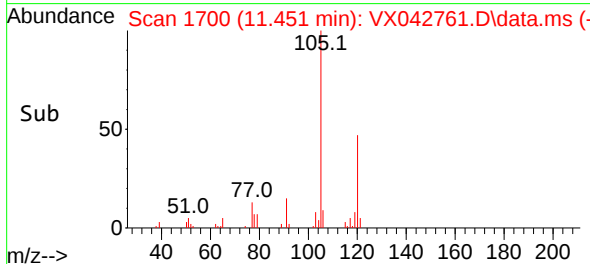
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06



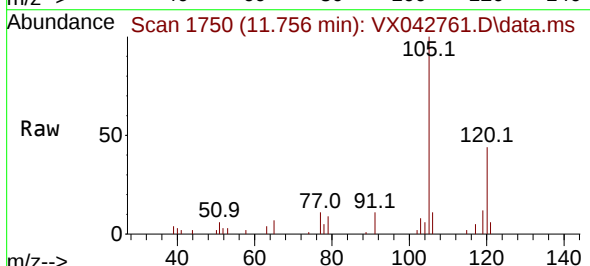
Tgt Ion:105 Resp: 759
Ion Ratio Lower Upper
105 100
120 49.1 38.2 57.2

Manual Integrations
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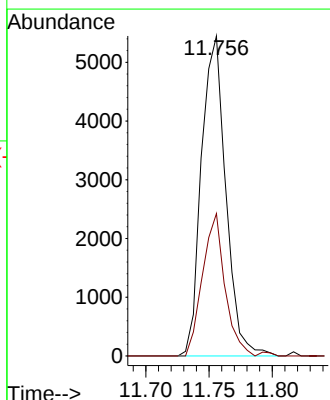
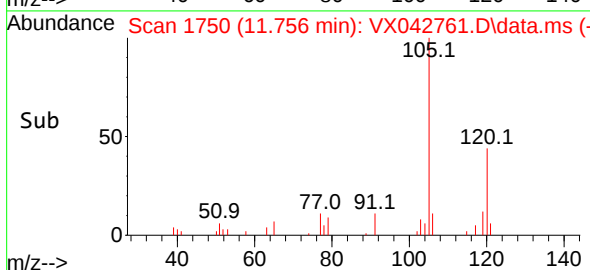
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024

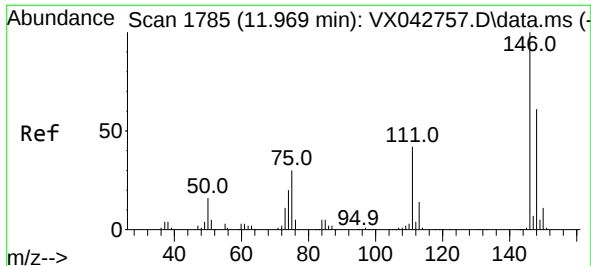


#63
1,2,4-Trimethylbenzene
Concen: 2.475 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34



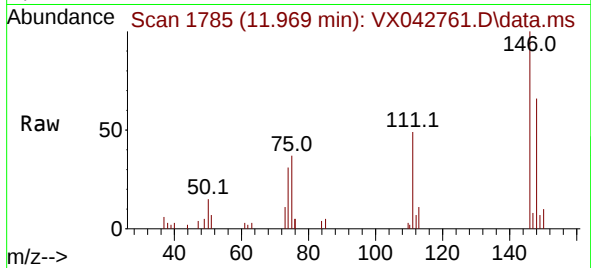
Tgt Ion:105 Resp: 7314
Ion Ratio Lower Upper
105 100
120 40.9 35.2 52.8





#64
1,3-Dichlorobenzene
Concen: 2.847 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

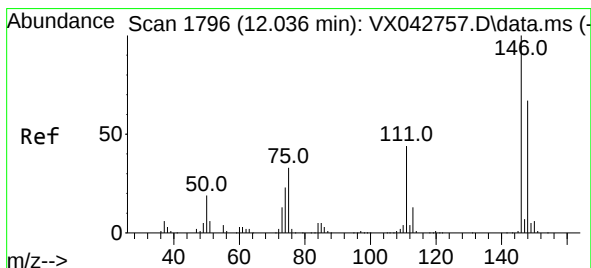
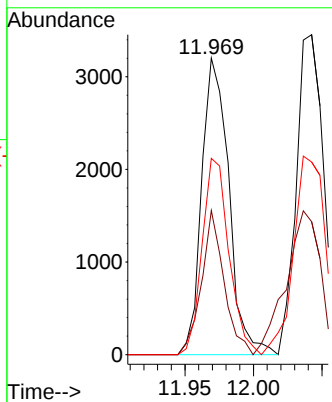
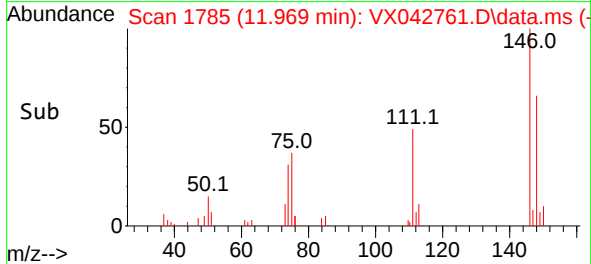
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06



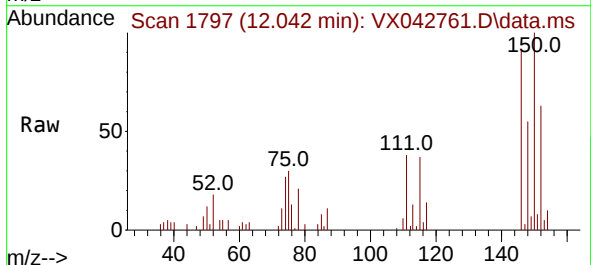
Tgt Ion:146 Resp: 440
Ion Ratio Lower Upper
146 100
111 48.6 30.4 56.5
148 66.2 47.7 88.7

Manual Integrations
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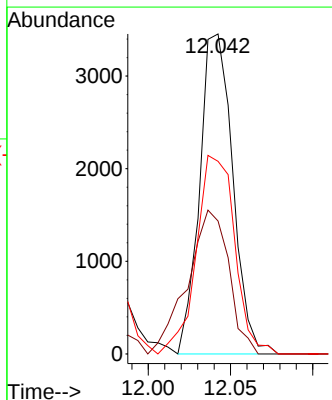
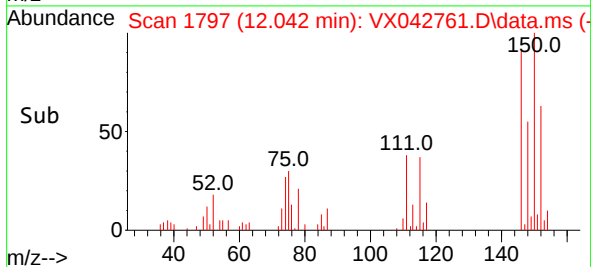
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024

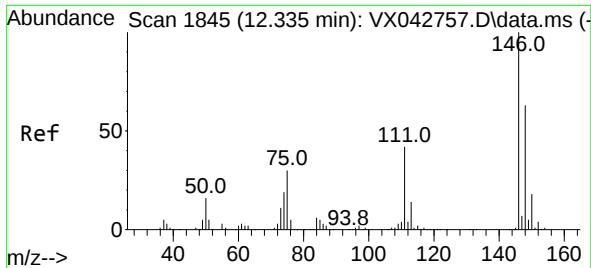


#65
1,4-Dichlorobenzene
Concen: 3.110 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34



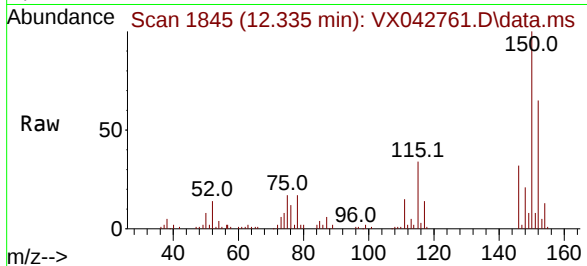
Tgt Ion:146 Resp: 4848
Ion Ratio Lower Upper
146 100
111 41.6 27.9 51.7
148 60.2 44.1 81.9





#67
1,2-Dichlorobenzene
Concen: 3.185 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

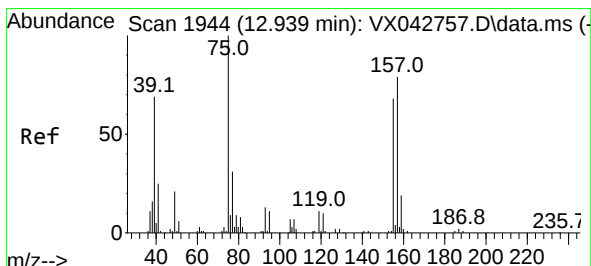
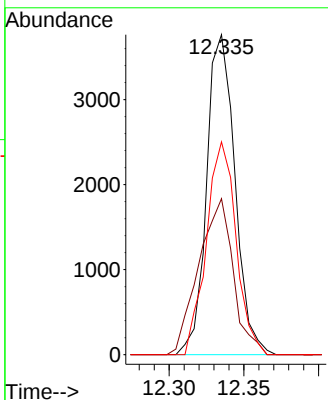
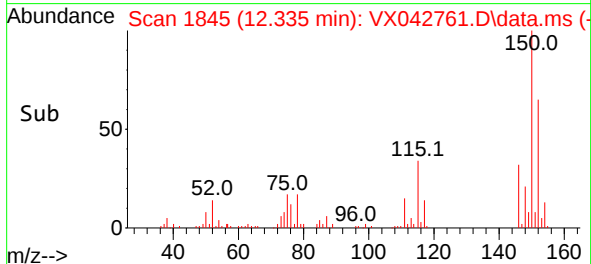
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2024-06



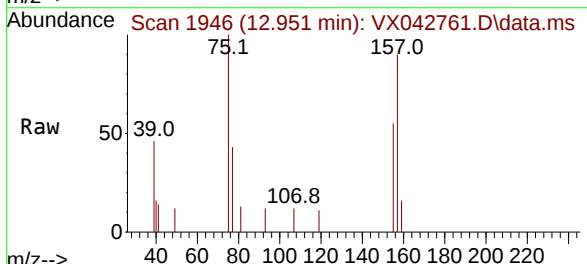
Tgt Ion:146 Resp: 4964
Ion Ratio Lower Upper
146 100
111 48.7 35.3 52.9
148 66.5 52.7 79.1

Manual Integrations
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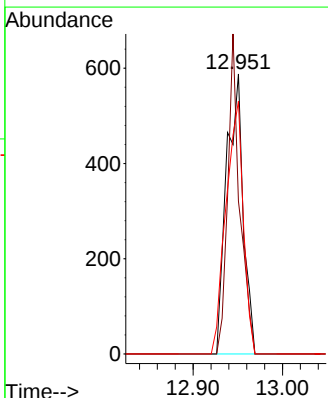
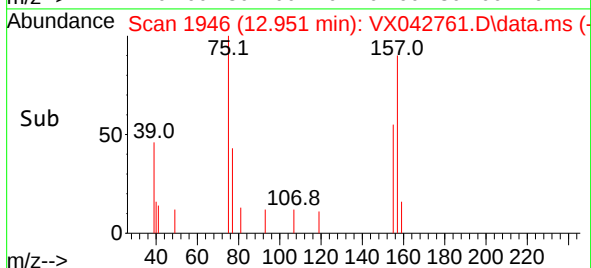
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024

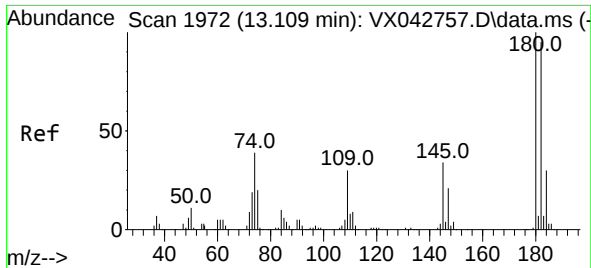


#68
1,2-Dibromo-3-chloropropane
Concen: 2.582 ug/L m
RT: 12.951 min Scan# 1946
Delta R.T. 0.012 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34



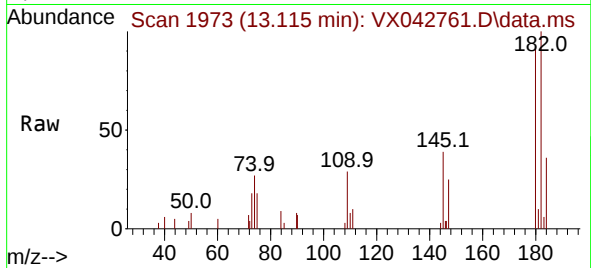
Tgt Ion: 75 Resp: 758
Ion Ratio Lower Upper
75 100
155 54.6 65.1 97.7#
157 90.3 85.8 128.6





#69
1,3,5-Trichlorobenzene
Concen: 2.687 ug/L
RT: 13.115 min Scan# 1972
Delta R.T. 0.006 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

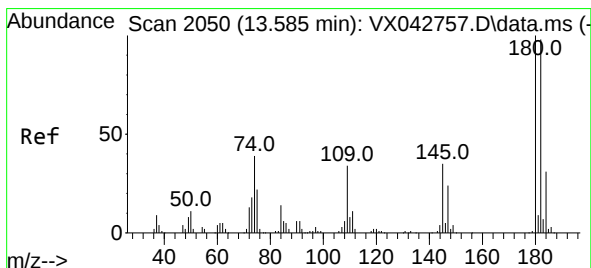
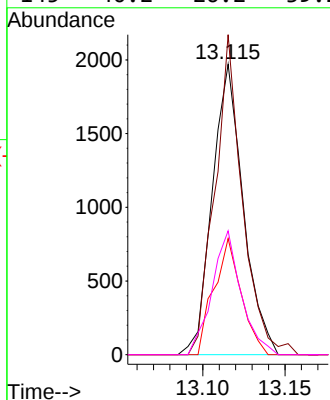
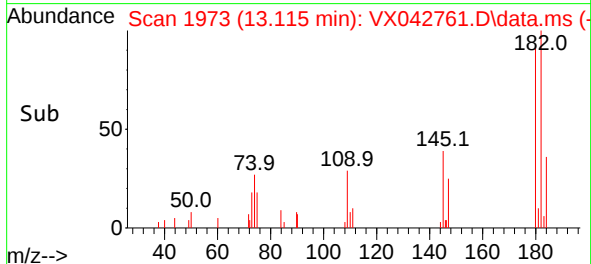
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06



Tgt Ion:180 Resp: 2580
Ion Ratio Lower Upper
180 100
182 97.1 75.4 113.0
184 35.2 23.4 35.0
145 40.2 26.2 39.2#

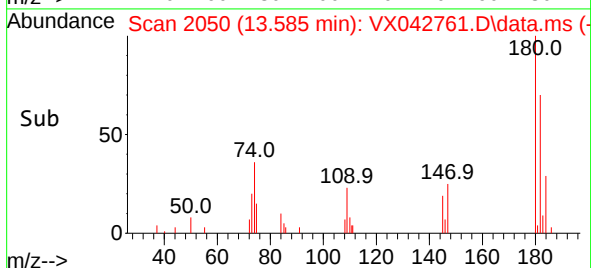
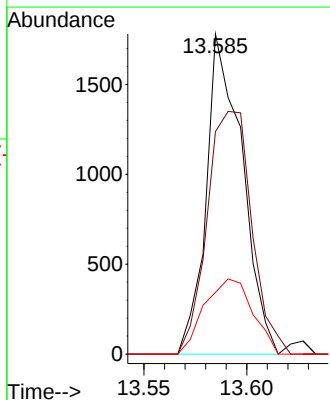
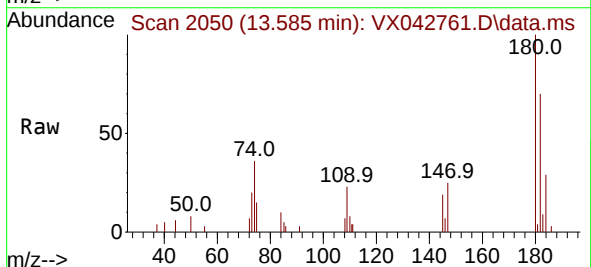
Manual Integrations
APPROVED

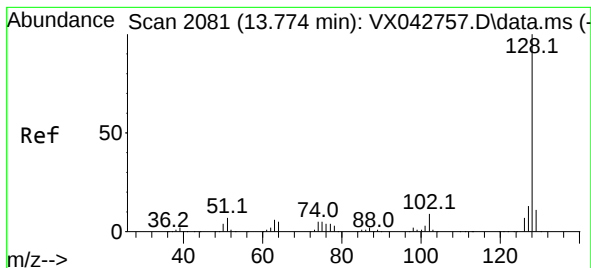
Reviewed By :John Carlone 08/01/2024
Supervised By :Mahesh Dadoda 08/01/2024



#70
1,2,4-trichlorobenzene
Concen: 2.574 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX042761.D
Acq: 31 Jul 2024 10:34

Tgt Ion:180 Resp: 2167
Ion Ratio Lower Upper
180 100
182 94.0 77.0 115.4
145 31.4 27.0 40.6





#71

Naphthalene

Concen: 2.409 ug/L

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

Tgt Ion:128 Resp: 7824

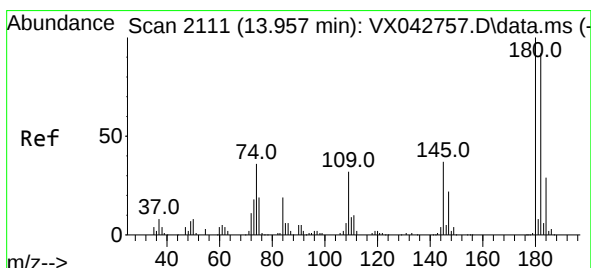
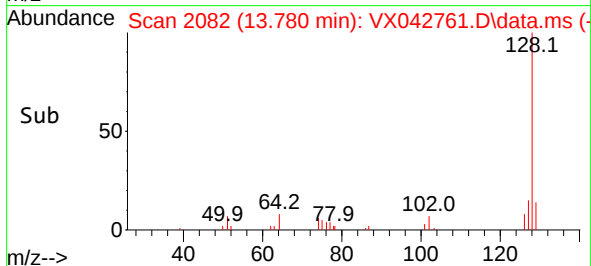
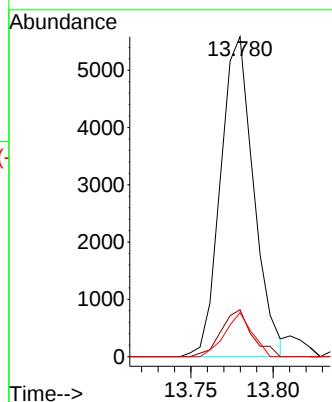
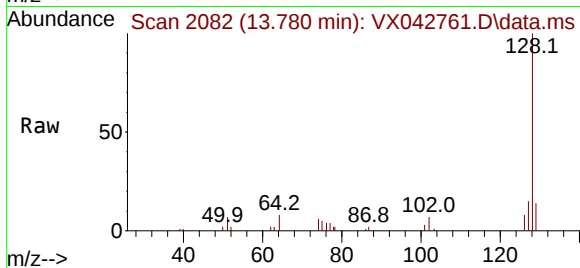
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.3	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#72

1,2,3-Trichlorobenzene

Concen: 2.583 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX042761.D

Acq: 31 Jul 2024 10:34

Tgt Ion:180 Resp: 2253

Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.2	114.2
145	38.7	27.6	41.4

