

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021422\
 Data File : VX027021.D
 Acq On : 14 Feb 2022 18:23
 Operator : JC/MD
 Sample : N1331-05
 Misc : 5.00g/5.0mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Quant Time: Feb 15 05:51:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 15 05:10:18 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/16/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	130804	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	124438	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	60141	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	49422	42.566	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.140%
7) Chloroethane-d5	1.672	69	36357	48.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.313	63	78085	35.075	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.140%
21) 2-Butanone-d5	4.459	46	83982	104.132	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.130%
24) Chloroform-d	5.062	84	100532	46.107	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.220%
26) 1,2-Dichloroethane-d4	5.958	65	66920	47.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.720%
32) Benzene-d6	5.977	84	206904	46.156	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.320%
36) 1,2-Dichloropropane-d6	7.312	67	62924	47.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.520%
41) Toluene-d8	8.653	98	187514	45.719	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.440%
43) trans-1,3-Dichloroprop...	8.952	79	25904	42.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.340%
47) 2-Hexanone-d5	9.384	63	58651	101.882	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.880%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	78382	49.808	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.620%
66) 1,2-Dichlorobenzene-d4	12.323	152	66862	48.943	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	3081	2.194	ug/L	96
3) Chloromethane	1.294	50	2508	2.270	ug/L	98
5) Vinyl chloride	1.374	62	2592	2.333	ug/L #	62
6) Bromomethane	1.618	94	1161	2.457	ug/L	93
8) Chloroethane	1.691	64	1363	2.270	ug/L	97
9) Trichlorofluoromethane	1.892	101	3216	2.081	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	2939	2.950	ug/L #	77
12) 1,1-Dichloroethene	2.325	96	2521	2.755	ug/L #	1
13) Acetone	2.386	43	2871	4.230	ug/L	100
14) Carbon disulfide	2.514	76	5327	1.965	ug/L	96
15) Methyl Acetate	2.709	43	2482	2.367	ug/L	99
16) Methylene chloride	2.794	84	2477	2.471	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	2147	2.217	ug/L	93
18) Methyl tert-butyl Ether	3.111	73	6447	2.169	ug/L	100
19) 1,1-Dichloroethane	3.617	63	3651	2.114	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	2323	2.186	ug/L	93
22) 2-Butanone	4.562	43	3918	4.507	ug/L	93
23) Bromochloromethane	4.904	128	1189	2.191	ug/L	91
25) Chloroform	5.099	83	5385	2.915	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	3320	2.323	ug/L	99
29) Cyclohexane	5.483	56	3684m	2.159	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	3247	2.005	ug/L #	88
31) Carbon tetrachloride	5.684	117	2766	1.926	ug/L #	67
33) Benzene	6.038	78	9019	2.243	ug/L	100
34) Trichloroethene	7.129	95	2287	1.988	ug/L	92
35) Methylcyclohexane	7.379	83	3573	2.056	ug/L	97
37) 1,2-Dichloropropane	7.440	63	2190	2.166	ug/L #	85
38) Bromodichloromethane	7.830	83	2541	1.872	ug/L	99
39) cis-1,3-Dichloropropene	8.372	75	3105	2.049	ug/L	96
40) 4-Methyl-2-pentanone	8.574	43	6188	4.305	ug/L	99
42) Toluene	8.720	91	12219	2.830	ug/L	91
44) trans-1,3-Dichloropropene	8.982	75	3658m	2.568	ug/L	
45) 1,1,2-Trichloroethane	9.153	97	2055	2.078	ug/L	98
46) Tetrachloroethene	9.275	164	1861	2.185	ug/L	91
48) 2-Hexanone	9.433	43	6038	5.188	ug/L	99
49) Dibromochloromethane	9.525	129	2030	1.872	ug/L	97
50) 1,2-Dibromoethane	9.616	107	2152	2.073	ug/L #	98
51) Chlorobenzene	10.079	112	5812	2.102	ug/L	93
52) Ethylbenzene	10.195	91	10015	2.157	ug/L	96
53) m,p-Xylene	10.305	106	3862	2.110	ug/L	96
54) o-Xylene	10.640	106	3562	2.034	ug/L	90
55) Styrene	10.659	104	5959	2.009	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.213	83	3272	2.499	ug/L #	93
59) Bromoform	10.799	173	1242	1.800	ug/L #	97
60) Isopropylbenzene	10.963	105	9085	2.091	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	2625	2.301	ug/L	93
62) 1,3,5-Trimethylbenzene	11.451	105	6181	2.062	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	7787	2.139	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	4204	2.175	ug/L	90
65) 1,4-Dichlorobenzene	12.043	146	4614	2.372	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	4548	2.434	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	547m	1.975	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2781	2.094	ug/L	96
70) 1,2,4-trichlorobenzene	13.585	180	2384	2.033	ug/L	99
71) Naphthalene	13.774	128	7187	1.841	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	2244	1.914	ug/L	96

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

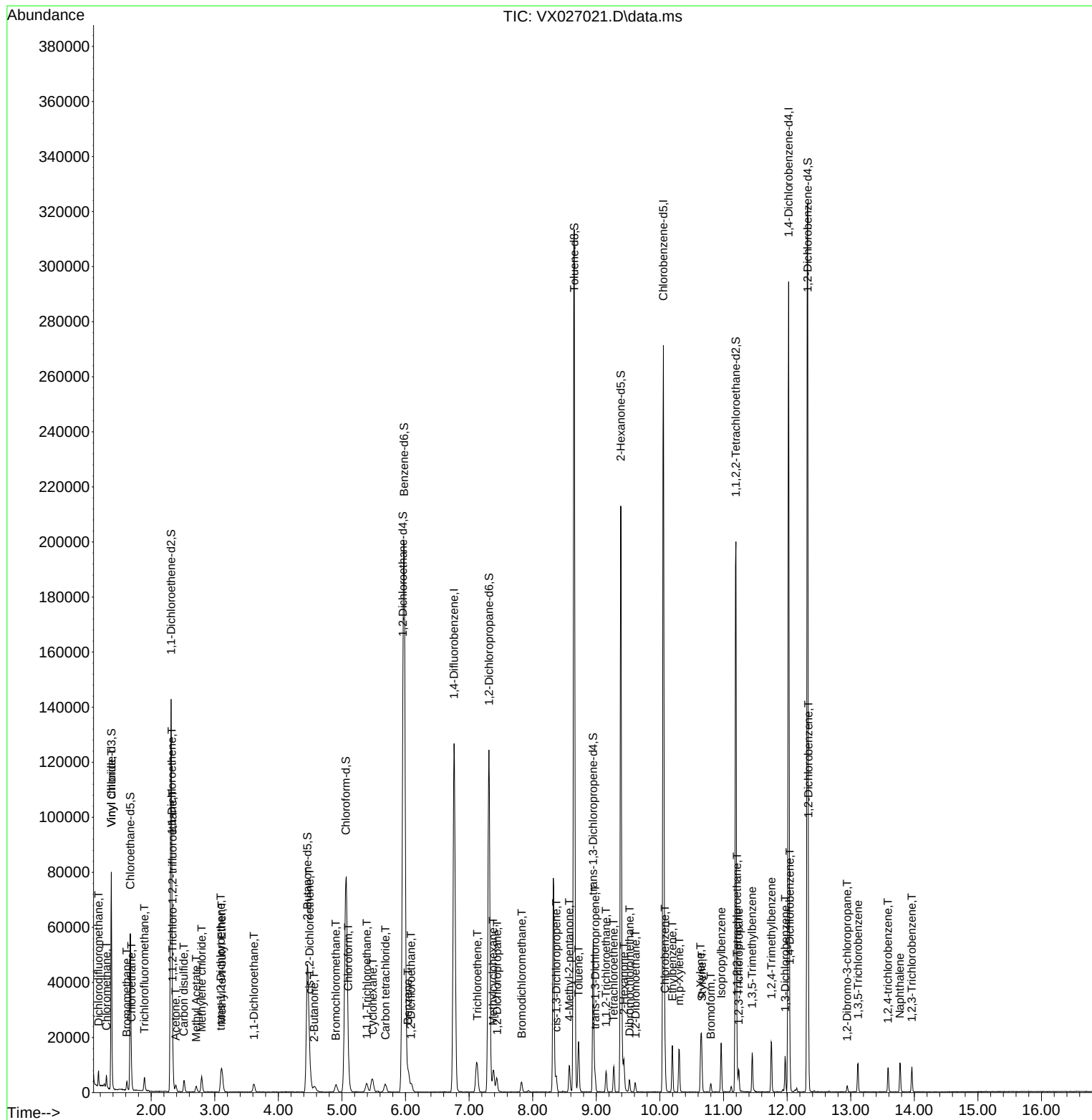
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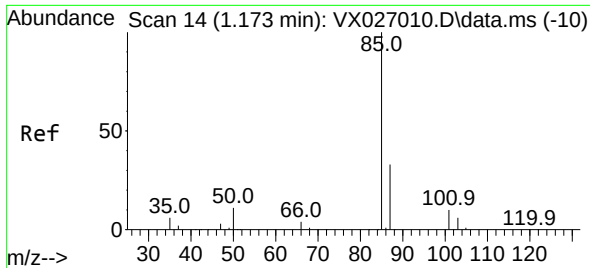
Instrument :
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 ClientSampleId :
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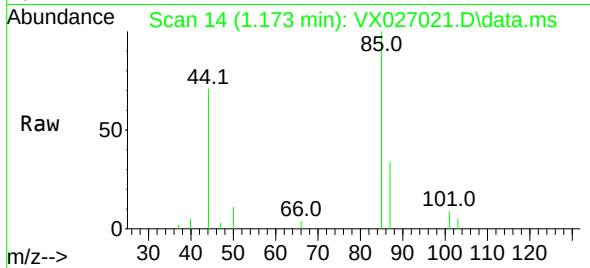
Reviewed By :John Carlone 02/15/2022
 Supervised By :Mahesh Dadoda 02/16/2022





#2
 Dichlorodifluoromethane
 Concen: 2.194 ug/L
 RT: 1.173 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VX027021.D
 Acq: 14 Feb 2022 18:23

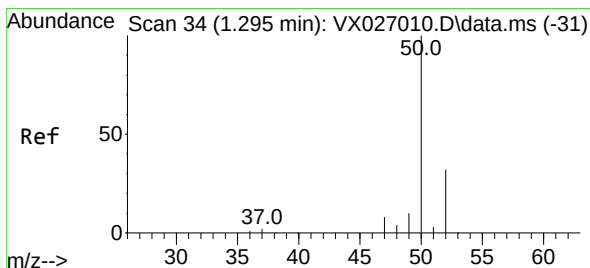
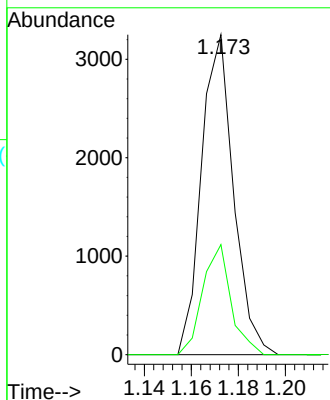
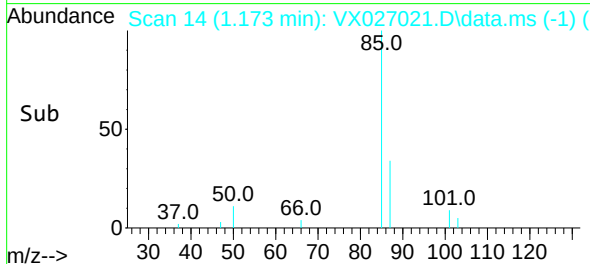
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 ClientSampleId : MDL-MED-SOIL-QT1-2022-01



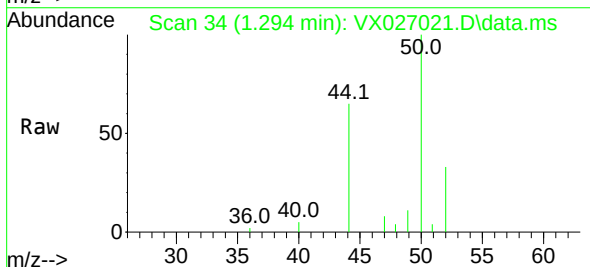
Tgt Ion: 85 Resp: 308
 Ion Ratio Lower Upper
 85 100
 87 30.3 25.9 38.9

Manual Integrations
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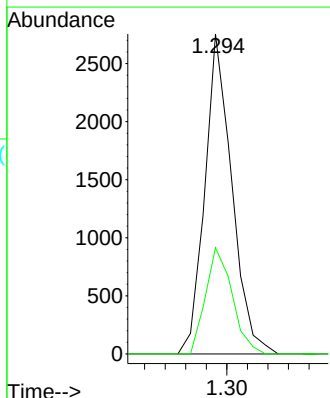
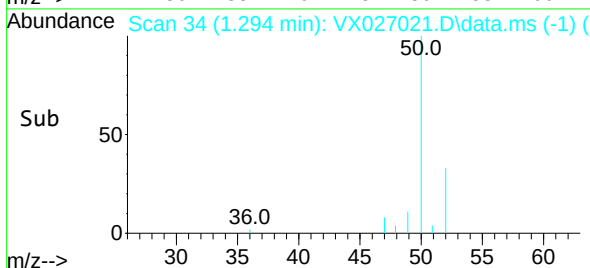
Reviewed By :John Carlone 02/15/2022
 Supervised By :Mahesh Dadoda 02/16/2022

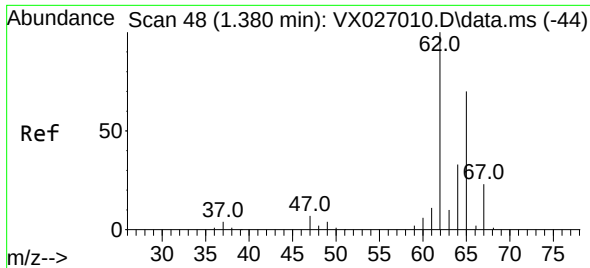


#3
 Chloromethane
 Concen: 2.270 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VX027021.D
 Acq: 14 Feb 2022 18:23



Tgt Ion: 50 Resp: 2508
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.5 41.7





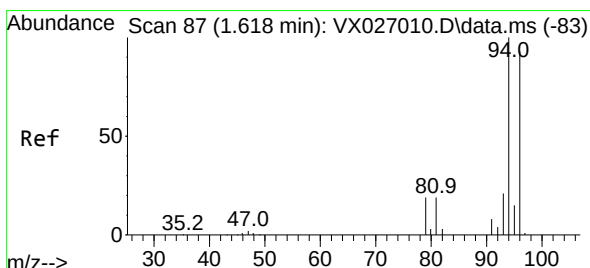
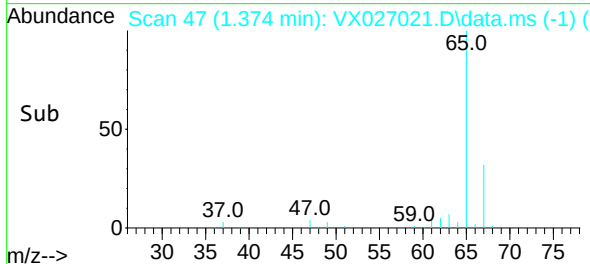
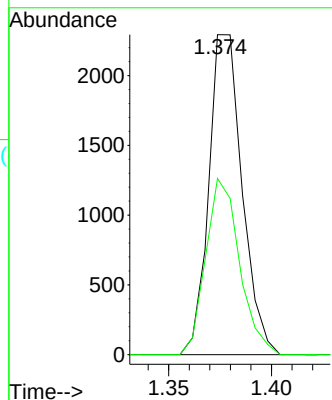
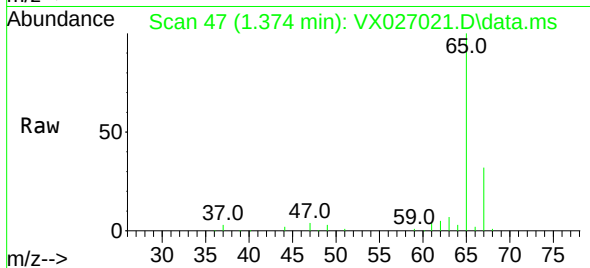
#5
 Vinyl chloride
 Concen: 2.333 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX027021.D
 Acq: 14 Feb 2022 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 62 Resp: 2592
 Ion Ratio Lower Upper
 62 100
 64 55.0 23.3 43.3

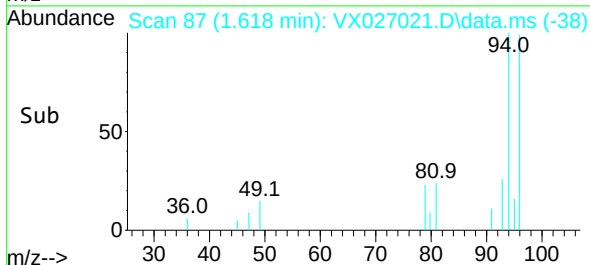
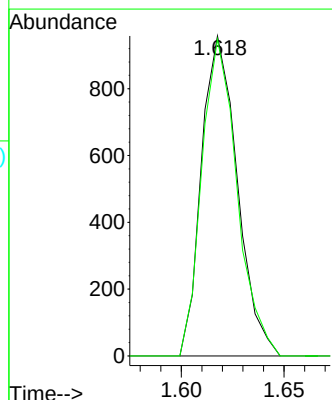
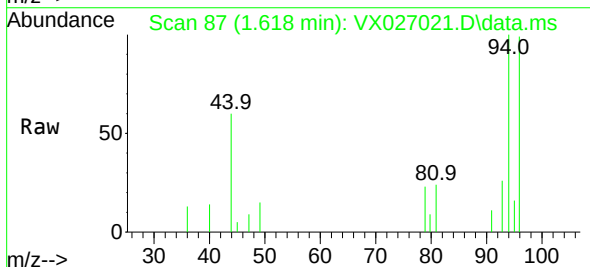
Manual Integrations
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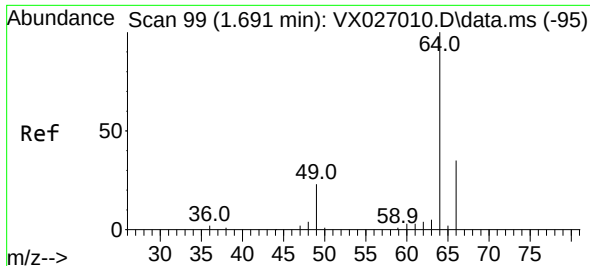
Reviewed By :John Carlone 02/15/2022
 Supervised By :Mahesh Dadoda 02/16/2022



#6
 Bromomethane
 Concen: 2.457 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX027021.D
 Acq: 14 Feb 2022 18:23

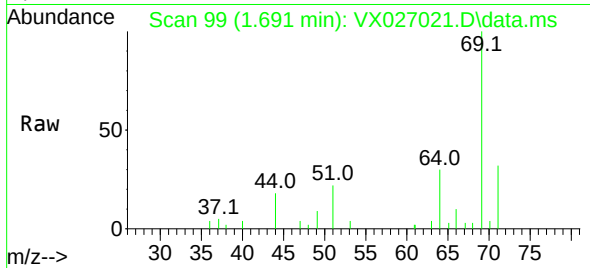
Tgt Ion: 94 Resp: 1161
 Ion Ratio Lower Upper
 94 100
 96 99.1 64.9 120.5





#8
Chloroethane
Concen: 2.270 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

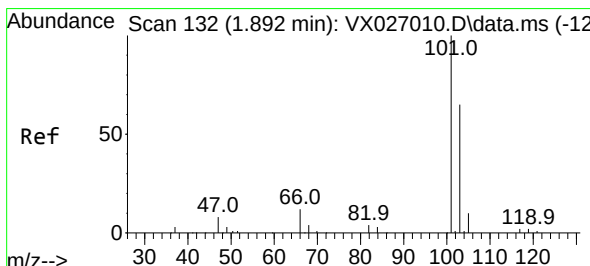
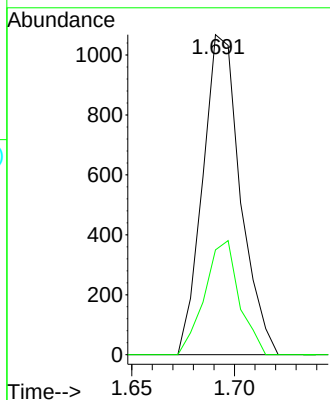
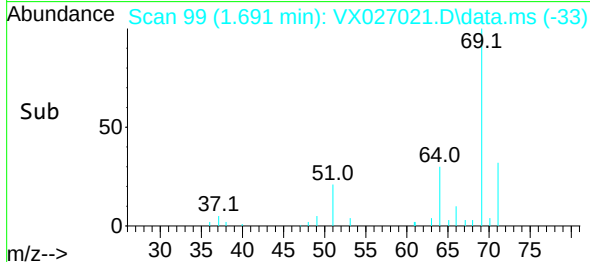
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2022-01



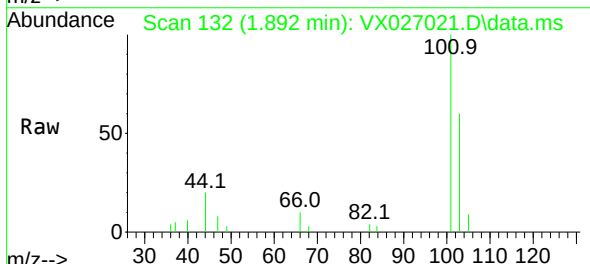
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 32.8 24.2 45.0

Manual Integrations
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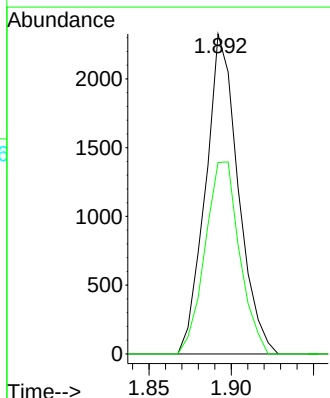
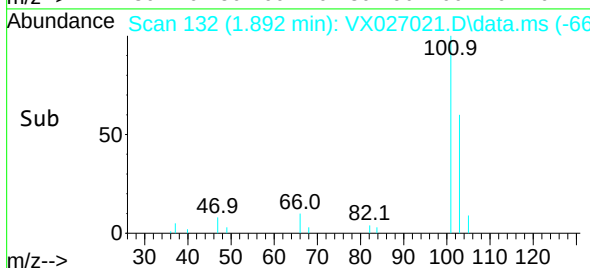
Reviewed By :John Carlone 02/15/2022
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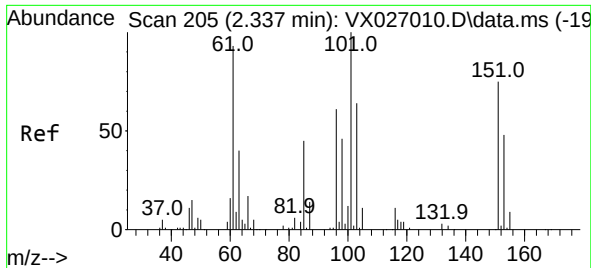


#9
Trichlorofluoromethane
Concen: 2.081 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23



Tgt Ion:101 Resp: 3216
Ion Ratio Lower Upper
101 100
103 63.3 51.8 77.8





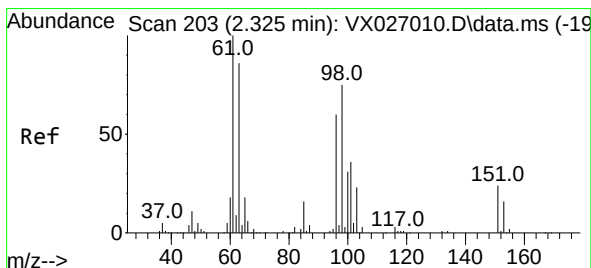
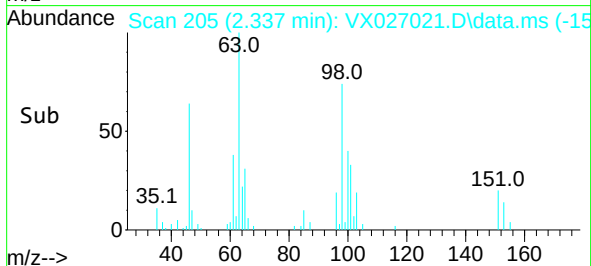
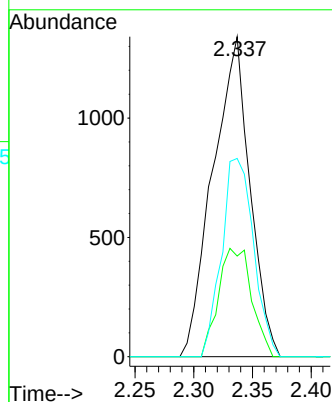
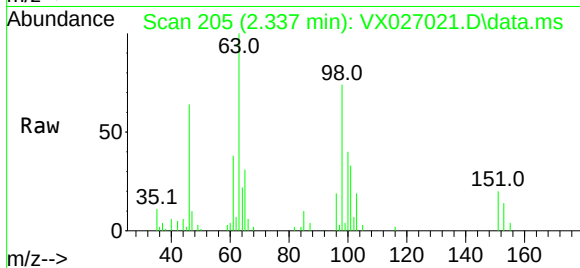
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.950 ug/L
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX027021.D
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ClientSampleId : MDL-MED-SOIL-QT1-2022-01

Tgt Ion:101 Resp: 2939
Ion Ratio Lower Upper
101 100
85 30.4 33.9 50.9
151 53.6 60.7 91.1

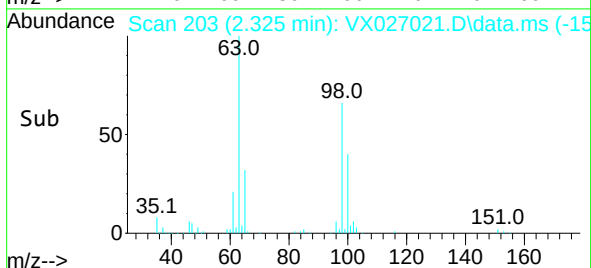
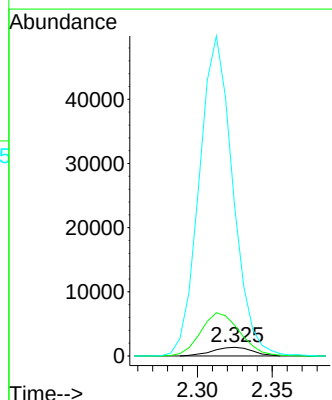
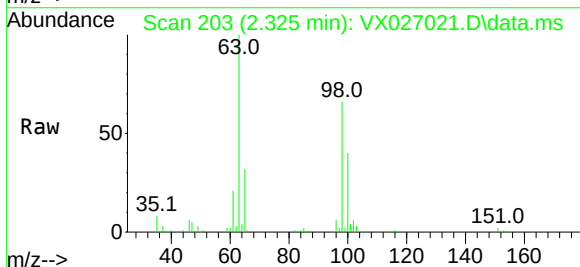
Manual Integrations
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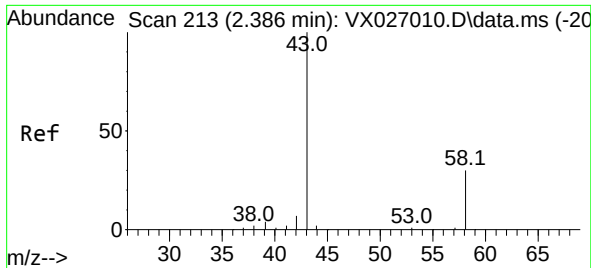
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#12
1,1-Dichloroethene
Concen: 2.755 ug/L
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Tgt Ion: 96 Resp: 2521
Ion Ratio Lower Upper
96 100
61 355.0 118.2 219.4#
63 1726.6 109.6 203.4#





#13

Acetone

Concen: 4.230 ug/L

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 43 Resp: 287

Ion Ratio Lower Upper

43 100

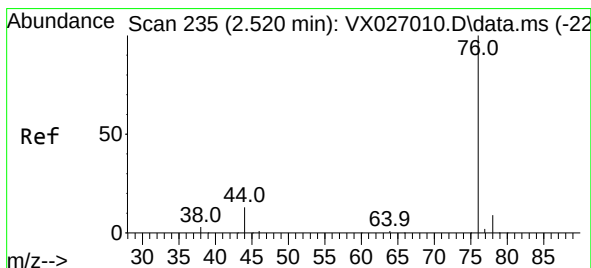
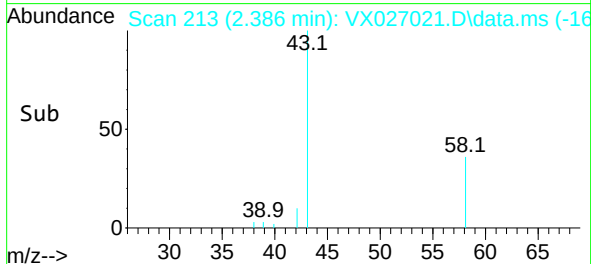
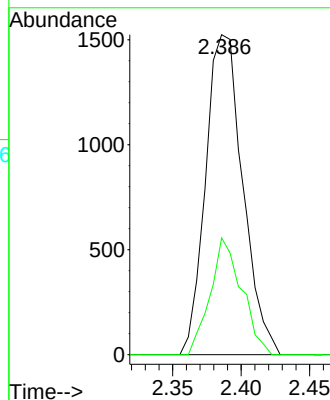
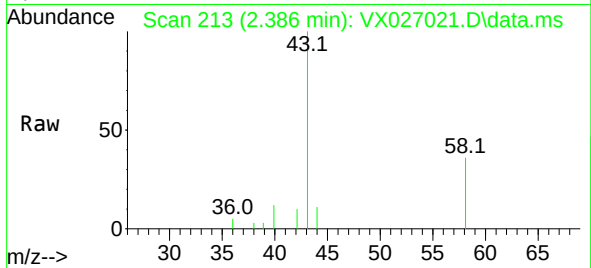
58 31.0 0.0 61.4

Manual Integrations

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Supervised By :Mahesh Dadoda 02/16/2022



#14

Carbon disulfide

Concen: 1.965 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.006 min

Lab File: VX027021.D

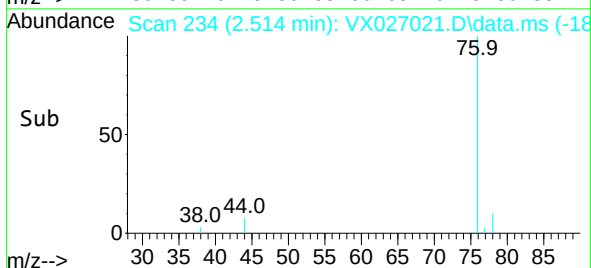
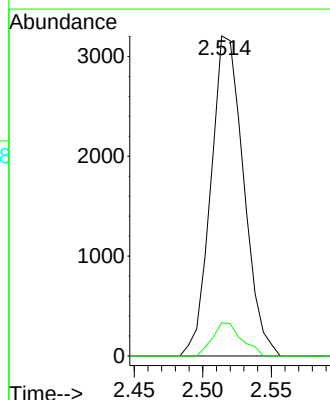
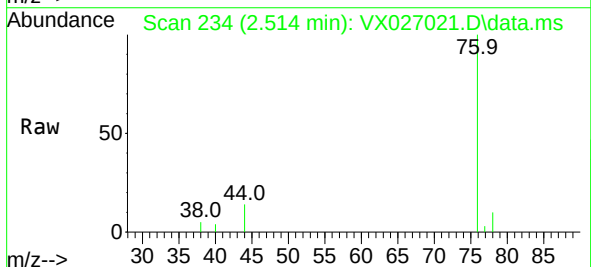
Acq: 14 Feb 2022 18:23

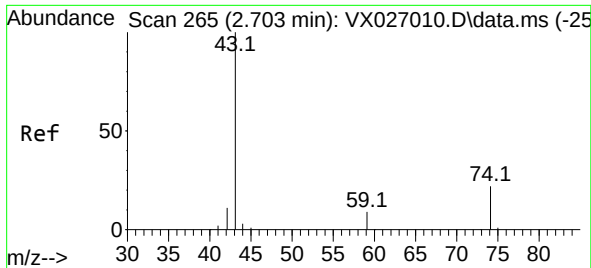
Tgt Ion: 76 Resp: 5327

Ion Ratio Lower Upper

76 100

78 10.4 7.1 10.7





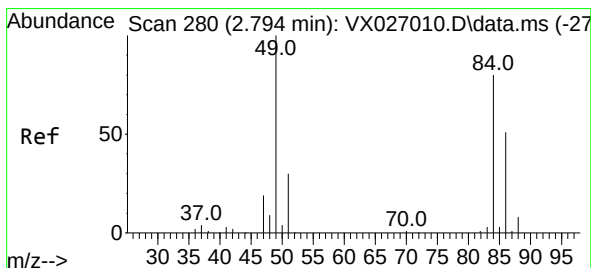
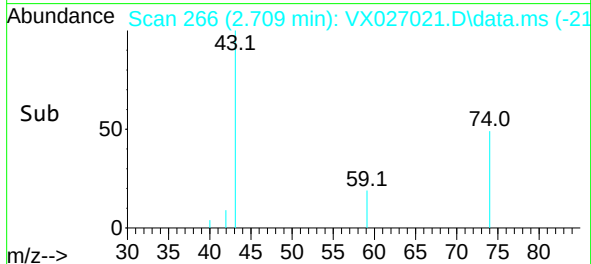
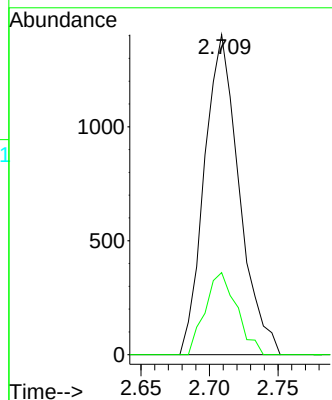
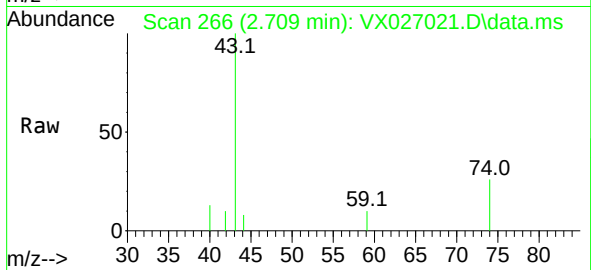
#15
Methyl Acetate
Concen: 2.367 ug/L
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.4

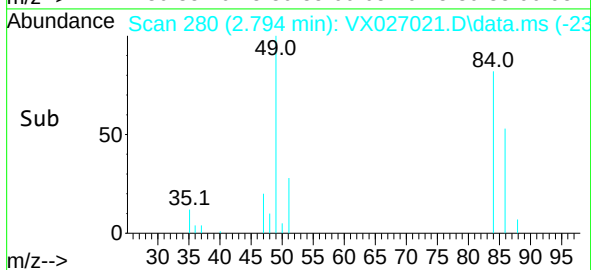
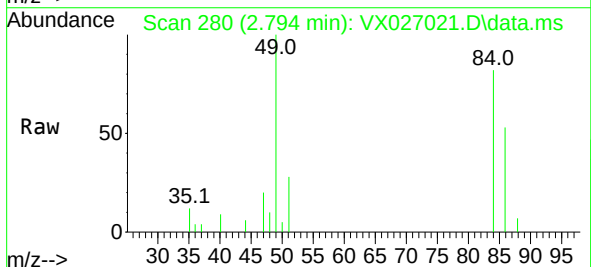
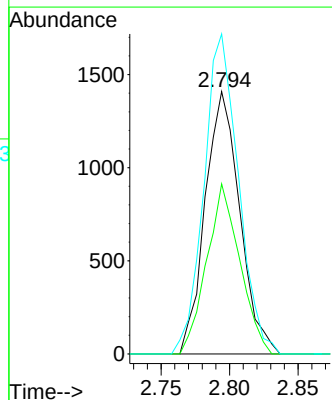
Manual Integrations
APPROVED

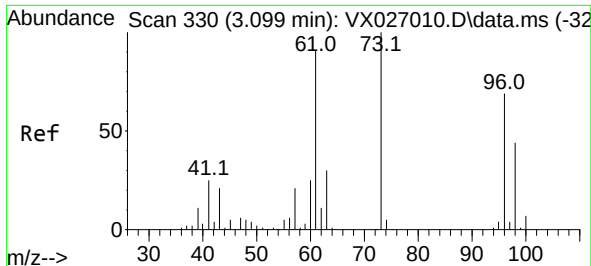
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#16
Methylene chloride
Concen: 2.471 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

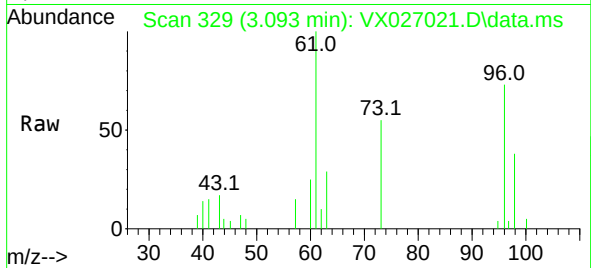
Tgt Ion: 84 Resp: 2477
Ion Ratio Lower Upper
84 100
86 64.8 44.8 83.2
49 121.9 87.0 161.6





#17
trans-1,2-Dichloroethene
Concen: 2.217 ug/L
RT: 3.093 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

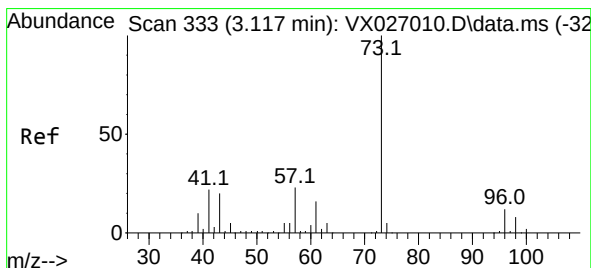
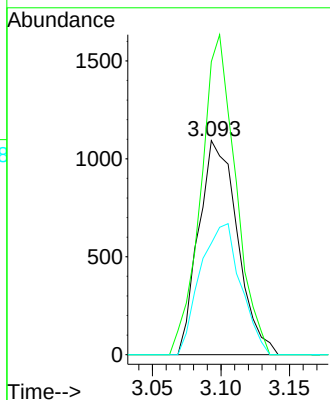
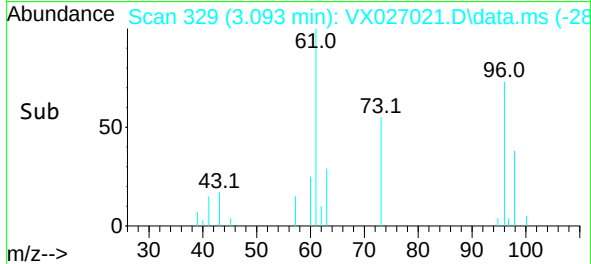
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



Tgt Ion: 96 Resp: 214
Ion Ratio Lower Upper
96 100
61 136.9 93.0 172.6
98 52.1 44.3 82.3

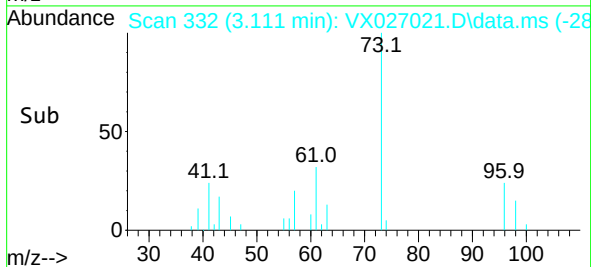
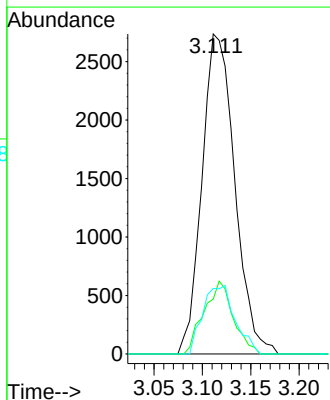
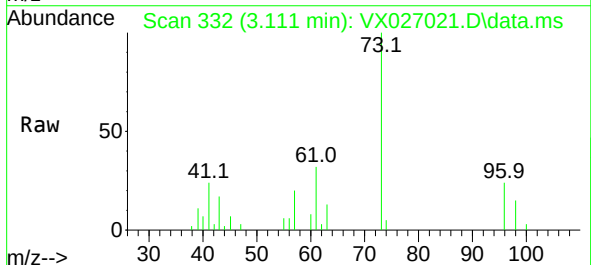
Manual Integrations
APPROVED

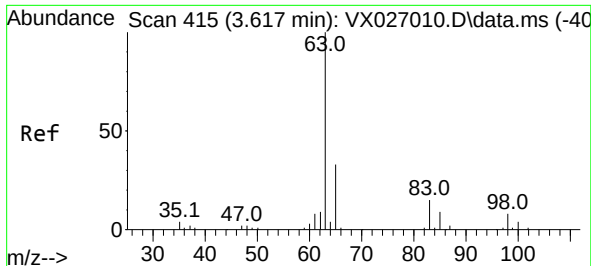
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#18
Methyl tert-butyl Ether
Concen: 2.169 ug/L
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Tgt Ion: 73 Resp: 6447
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4
57 21.0 17.1 25.7





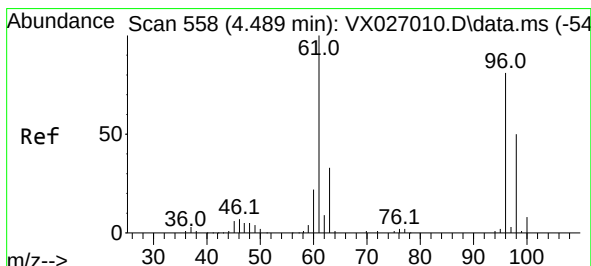
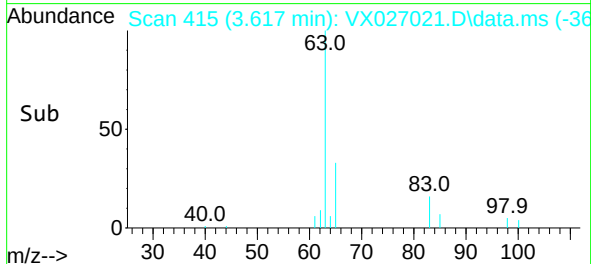
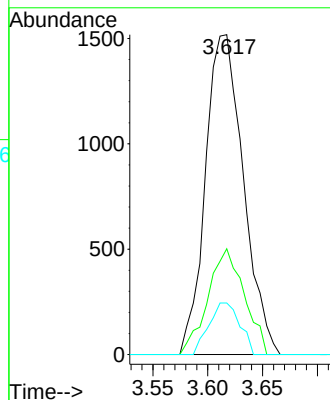
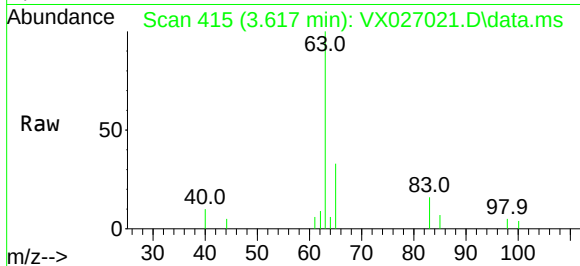
#19
1,1-Dichloroethane
Concen: 2.114 ug/L
RT: 3.617 min Scan# 415
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Instrument : MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 63 Resp: 365
Ion Ratio Lower Upper
63 100
65 33.1 22.9 42.5
83 16.1 10.1 18.9

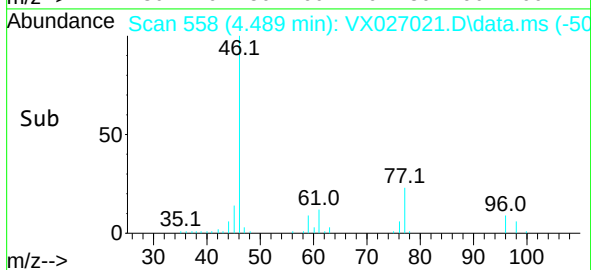
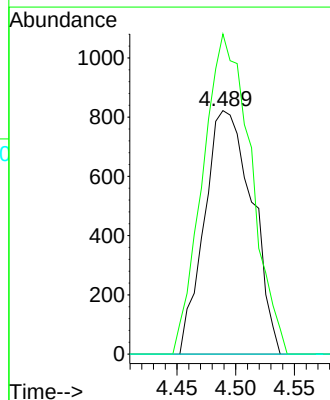
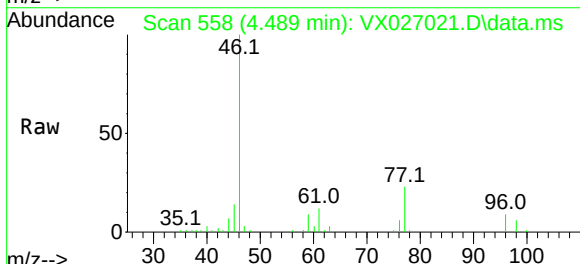
Manual Integrations
APPROVED

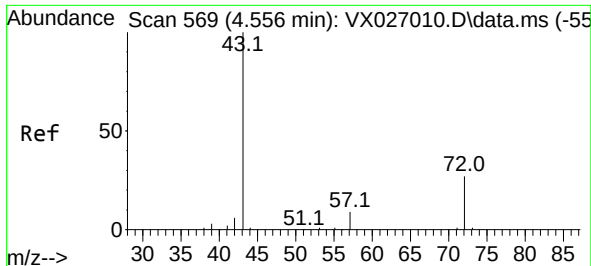
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#20
cis-1,2-Dichloroethene
Concen: 2.186 ug/L
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Tgt Ion: 96 Resp: 2323
Ion Ratio Lower Upper
96 100
61 131.5 86.7 161.1
68 0.0 0.0 0.0





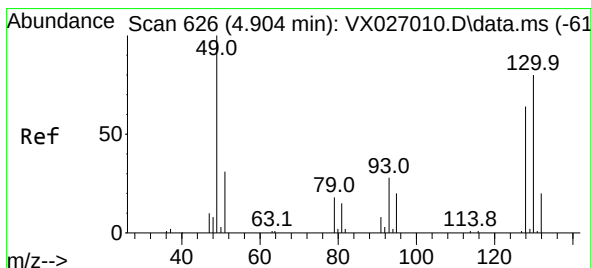
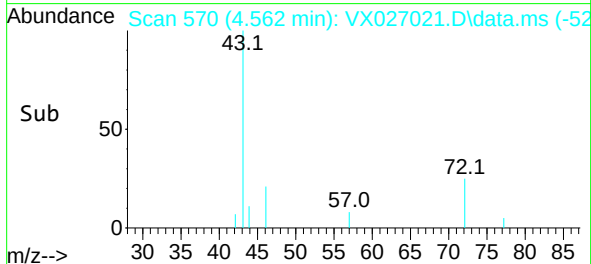
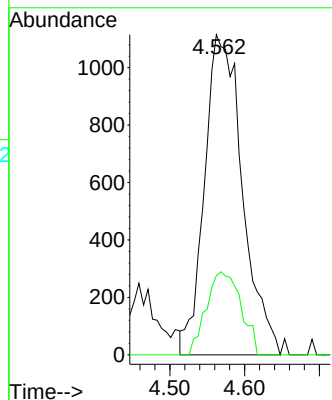
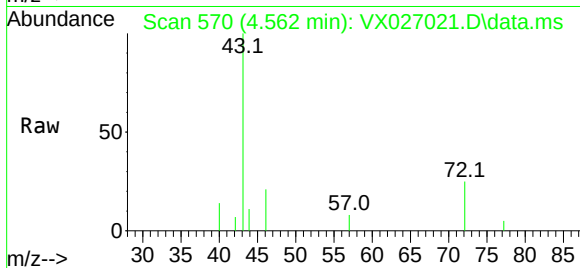
#22
2-Butanone
Concen: 4.507 ug/L
RT: 4.562 min Scan# 518
Delta R.T. 0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 43 Resp: 3918
Ion Ratio Lower Upper
43 100
72 22.7 13.2 39.5

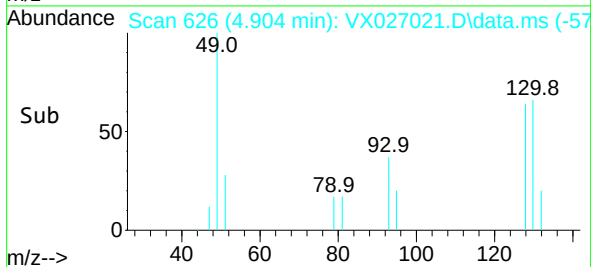
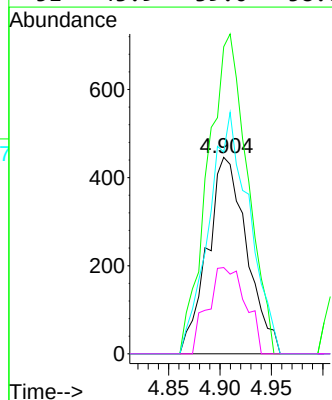
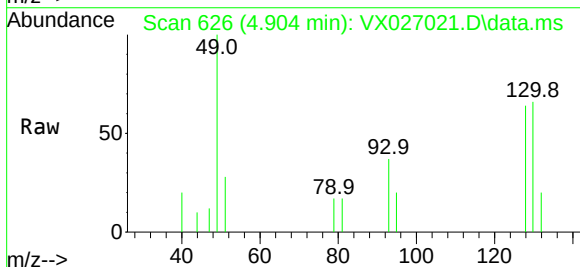
Manual Integrations
APPROVED

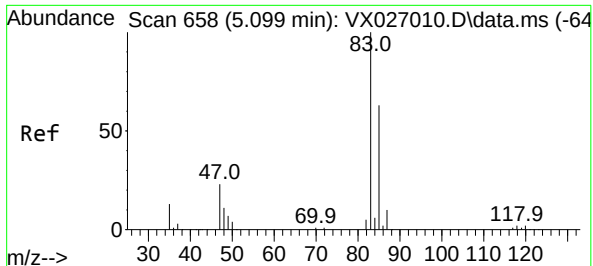
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#23
Bromochloromethane
Concen: 2.191 ug/L
RT: 4.904 min Scan# 626
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Tgt Ion:128 Resp: 1189
Ion Ratio Lower Upper
128 100
49 156.3 110.2 204.6
130 102.7 88.2 163.8
51 43.9 39.0 58.6





#25

Chloroform

Concen: 2.915 ug/L

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 83 Resp: 538

Ion Ratio Lower Upper

83 100

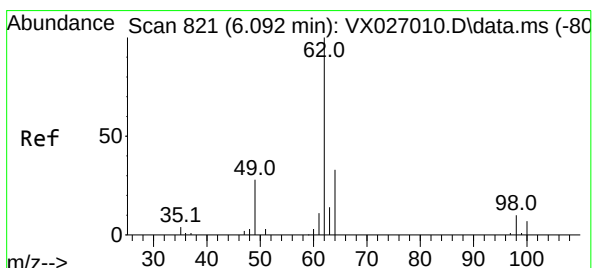
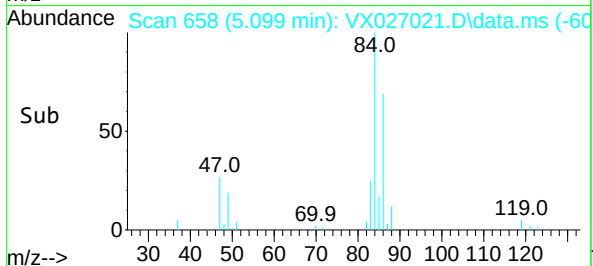
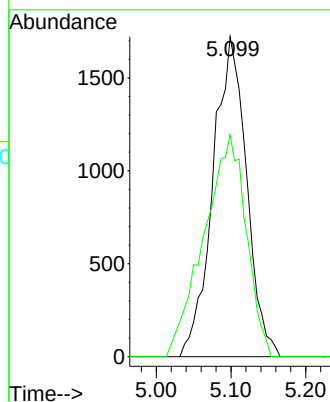
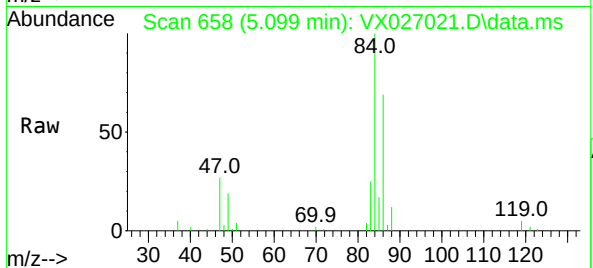
85 69.3 44.2 82.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#27

1,2-Dichloroethane

Concen: 2.323 ug/L

RT: 6.086 min Scan# 820

Delta R.T. -0.006 min

Lab File: VX027021.D

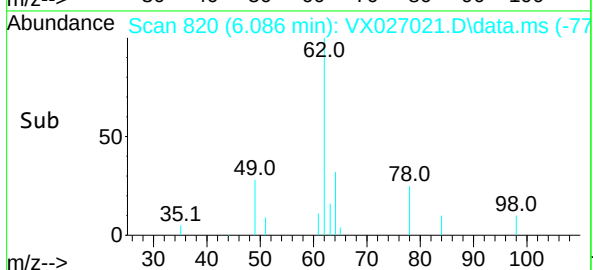
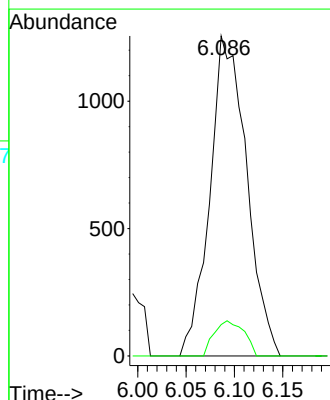
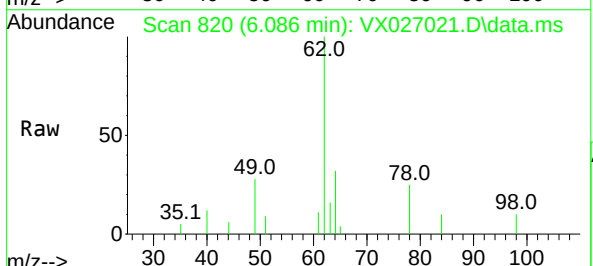
Acq: 14 Feb 2022 18:23

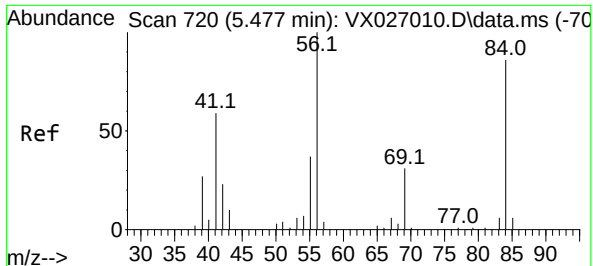
Tgt Ion: 62 Resp: 3320

Ion Ratio Lower Upper

62 100

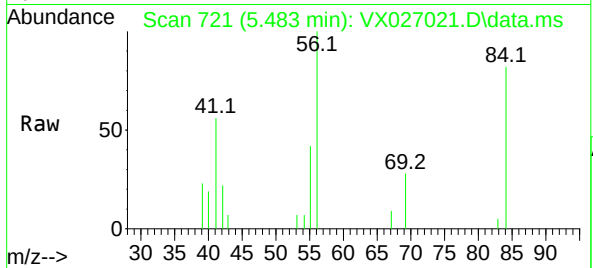
98 9.8 8.2 12.2





#29
Cyclohexane
Concen: 2.159 ug/L m
RT: 5.483 min Scan# 721
Delta R.T. 0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

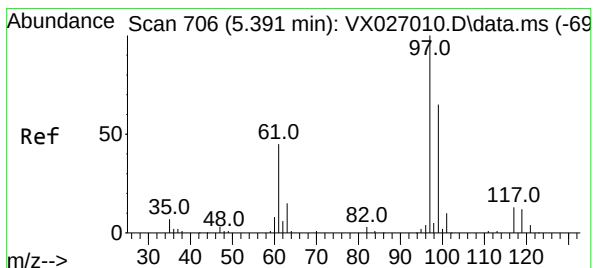
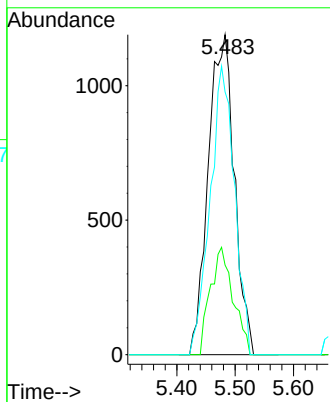
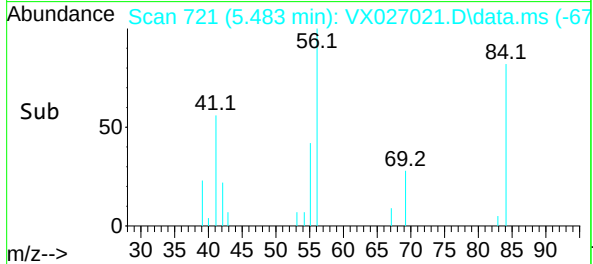
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



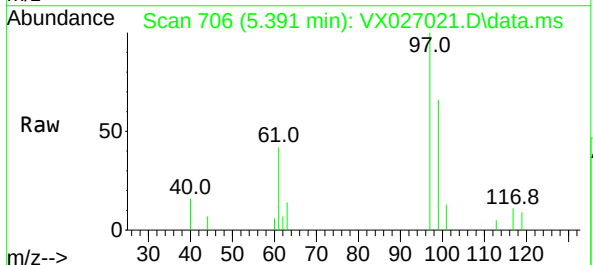
Tgt Ion: 56 Resp: 3684
Ion Ratio Lower Upper
56 100
69 29.6 24.6 36.8
84 84.4 69.8 104.8

Manual Integrations
APPROVED

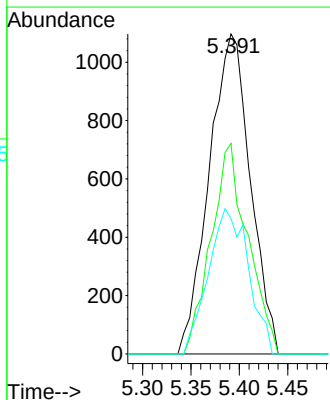
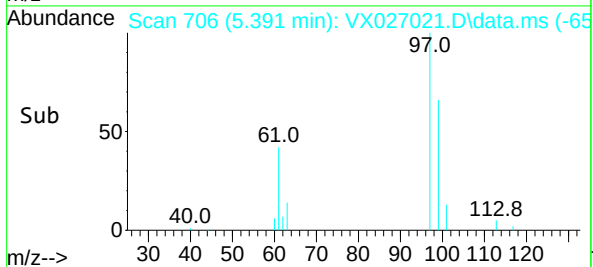
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

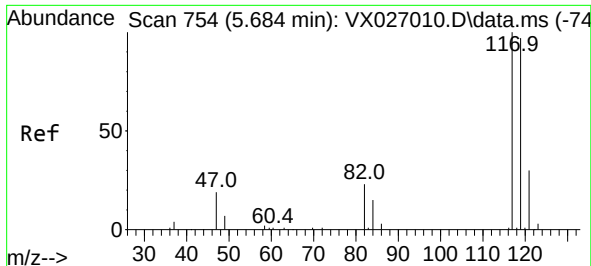


#30
1,1,1-Trichloroethane
Concen: 2.005 ug/L
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23



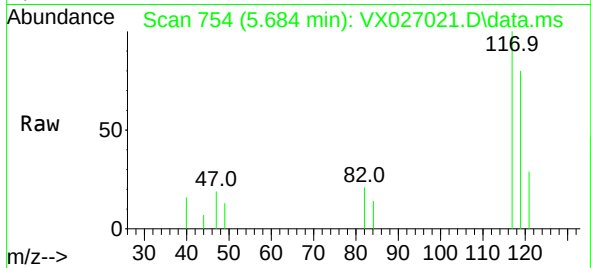
Tgt Ion: 97 Resp: 3247
Ion Ratio Lower Upper
97 100
99 58.8 51.5 77.3
61 31.4 35.2 52.8#





#31
Carbon tetrachloride
Concen: 1.926 ug/L
RT: 5.684 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

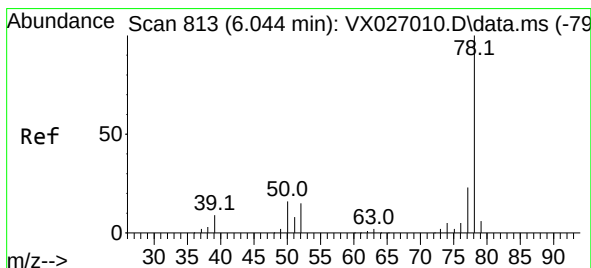
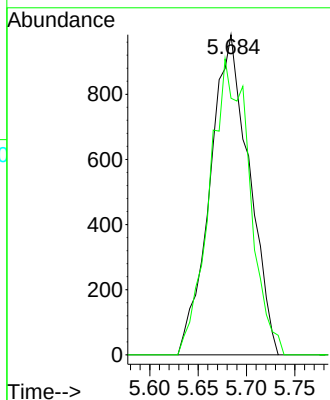
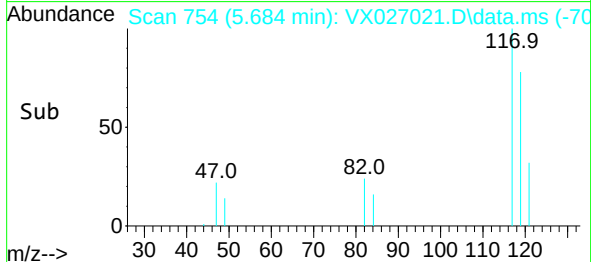
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



Tgt Ion:117 Resp: 2760
Ion Ratio Lower Upper
117 100
119 64.8 77.8 116.8

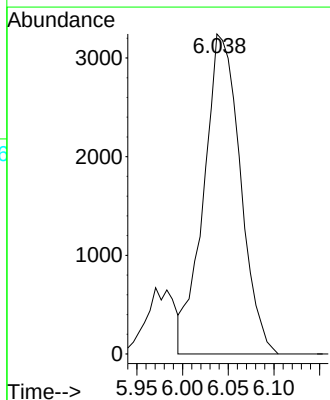
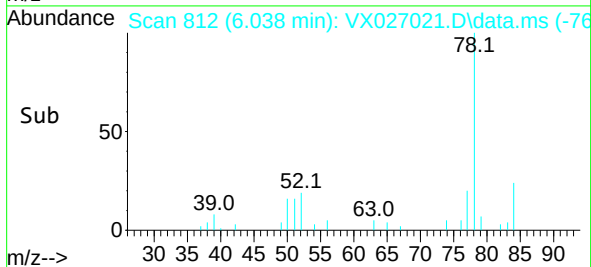
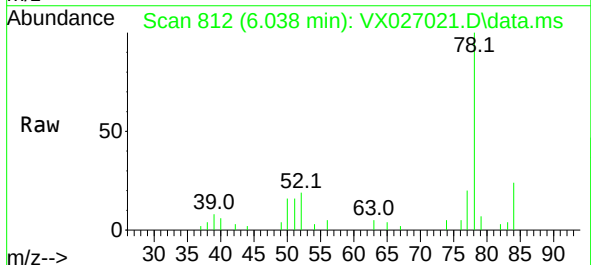
Manual Integrations
APPROVED

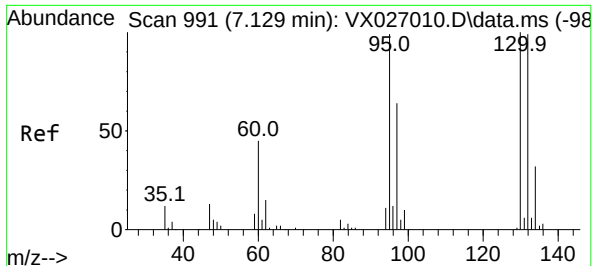
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#33
Benzene
Concen: 2.243 ug/L
RT: 6.038 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Tgt Ion: 78 Resp: 9019





#34

Trichloroethene

Concen: 1.988 ug/L

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 95 Resp: 228

Ion Ratio Lower Upper

95 100

97 58.6 45.5 84.5

132 91.0 69.9 129.7

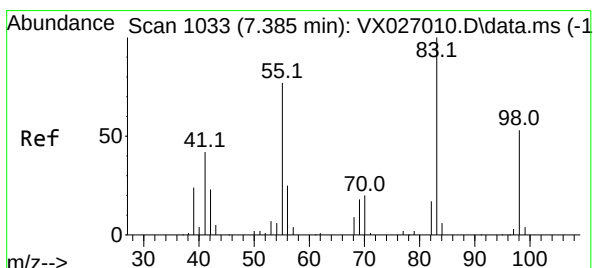
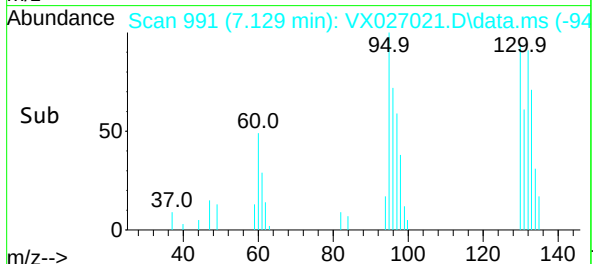
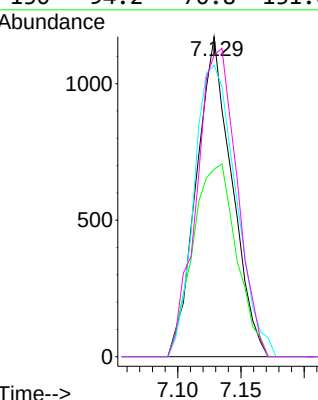
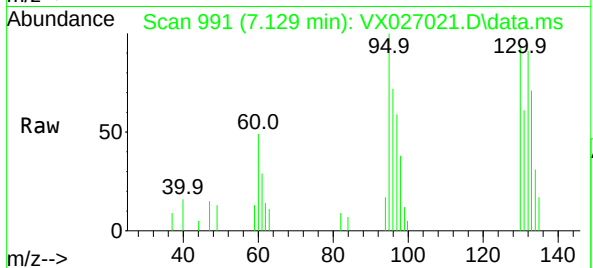
130 94.2 70.8 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#35

Methylcyclohexane

Concen: 2.056 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

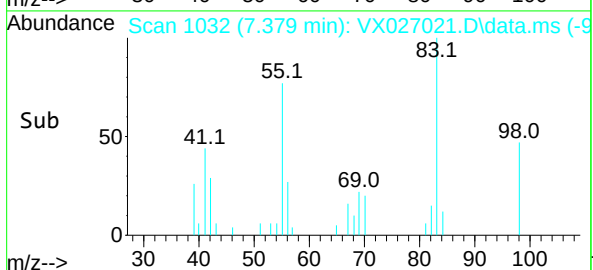
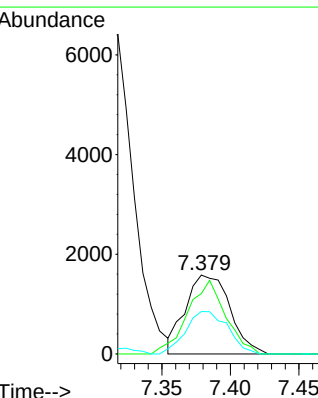
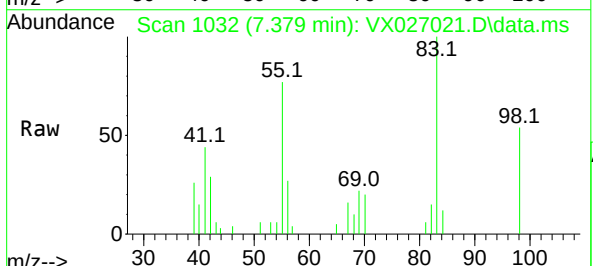
Tgt Ion: 83 Resp: 3573

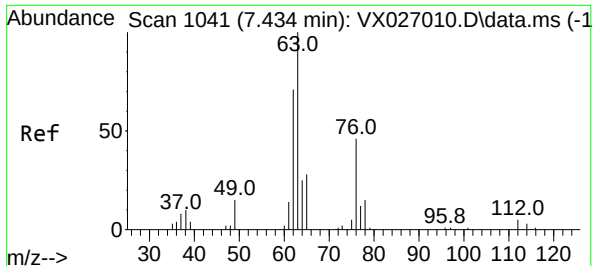
Ion Ratio Lower Upper

83 100

55 79.7 60.6 90.8

98 50.8 39.8 59.8





#37

1,2-Dichloropropane

Concen: 2.166 ug/L

RT: 7.440 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

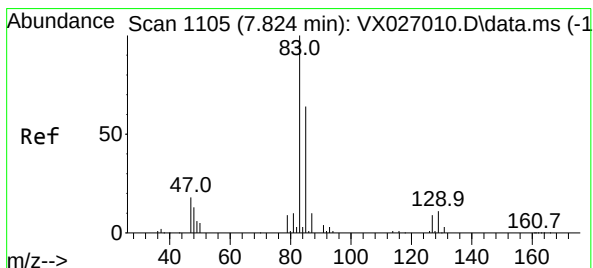
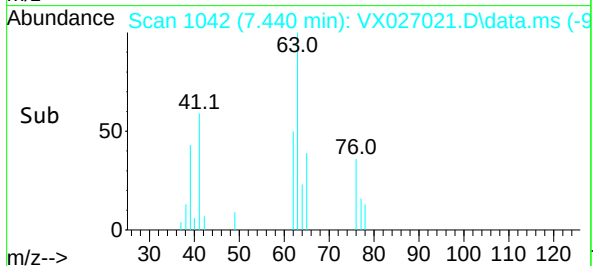
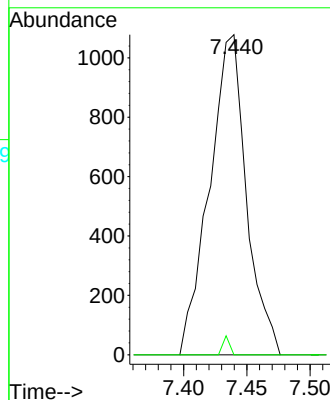
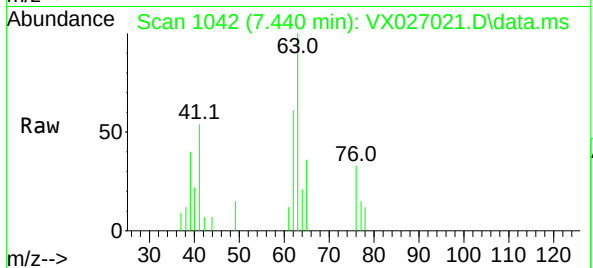
Tgt Ion: 63 Resp: 2190
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#38

Bromodichloromethane

Concen: 1.872 ug/L

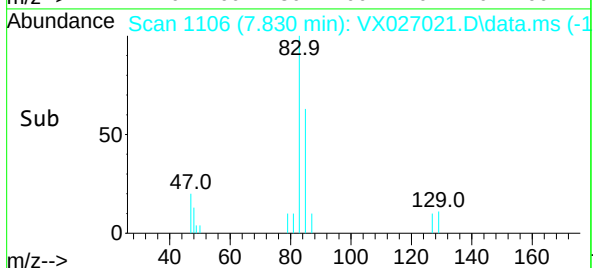
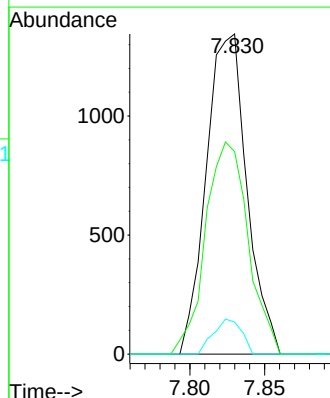
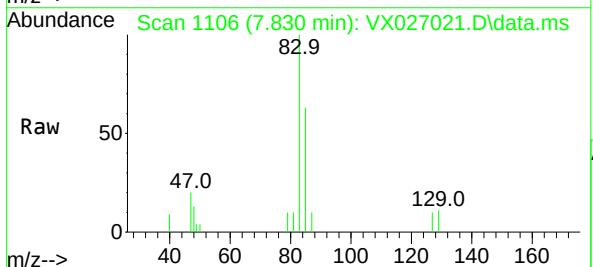
RT: 7.830 min Scan# 1106

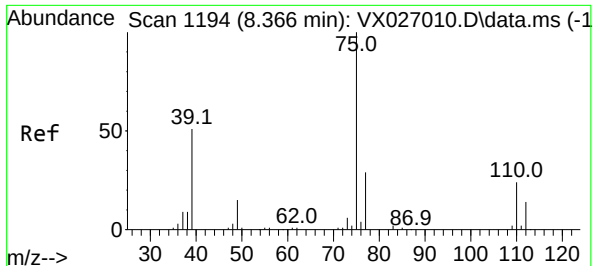
Delta R.T. 0.006 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Tgt Ion: 83 Resp: 2541
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.7 83.1
 127 10.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 2.049 ug/L

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX027021.D

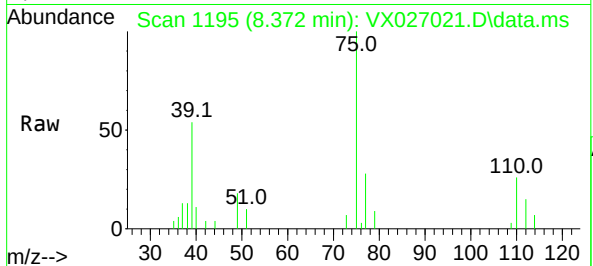
Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01



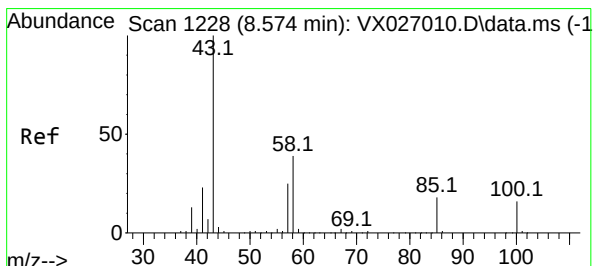
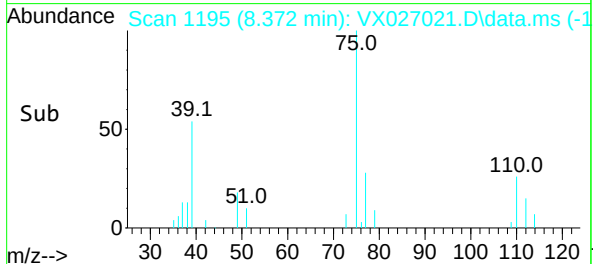
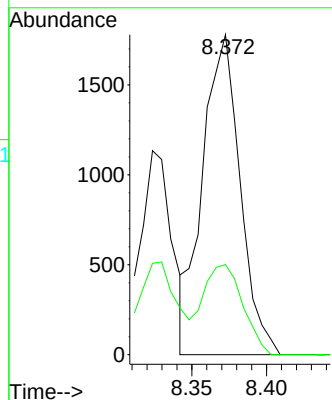
Tgt Ion: 75	Resp: 310
Ion Ratio	Lower Upper
75	100
77	28.2 21.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#40

4-Methyl-2-pentanone

Concen: 4.305 ug/L

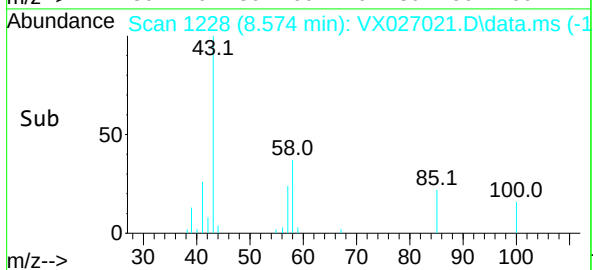
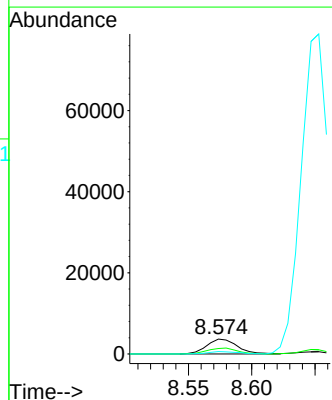
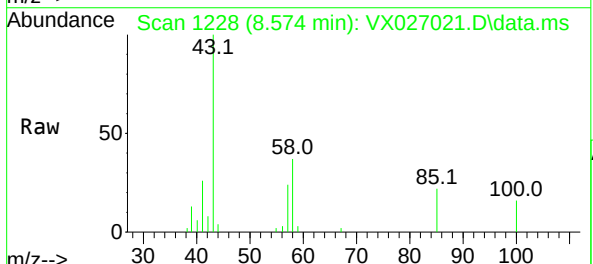
RT: 8.574 min Scan# 1228

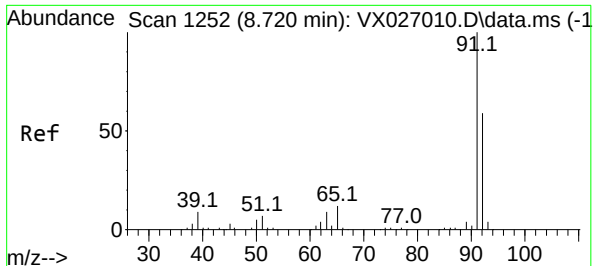
Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Tgt Ion: 43	Resp: 6188
Ion Ratio	Lower Upper
43	100
58	38.8 31.0 46.6
100	15.5 13.0 19.4





#42

Toluene

Concen: 2.830 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 91 Resp: 12219

Ion Ratio Lower Upper

91 100

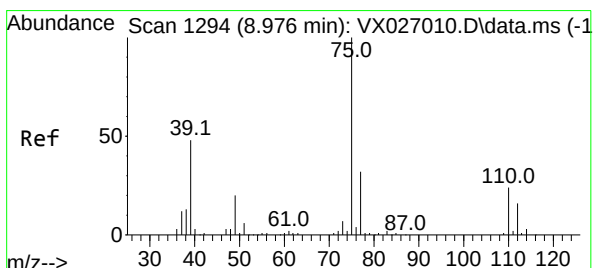
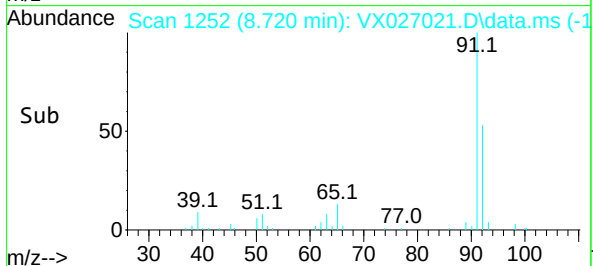
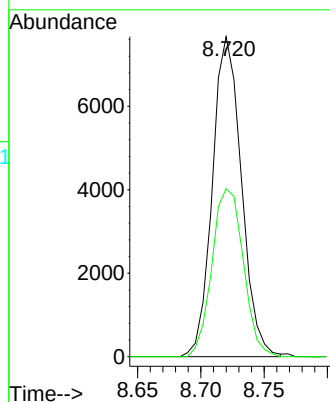
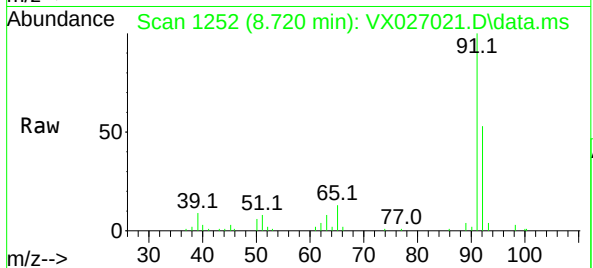
92 52.5 41.5 77.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#44

trans-1,3-Dichloropropene

Concen: 2.568 ug/L m

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX027021.D

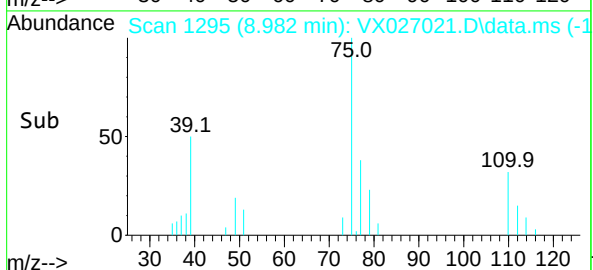
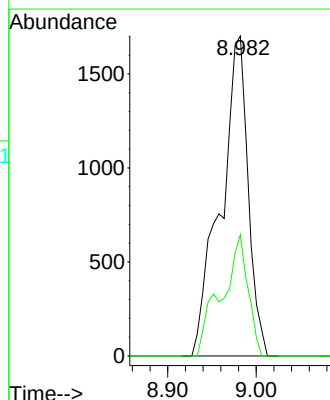
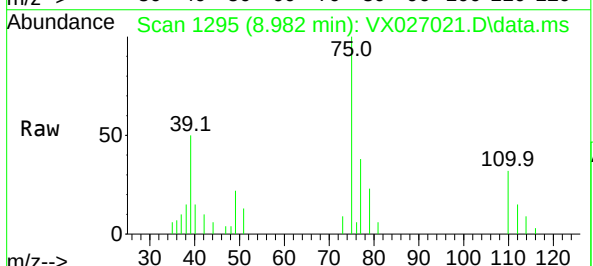
Acq: 14 Feb 2022 18:23

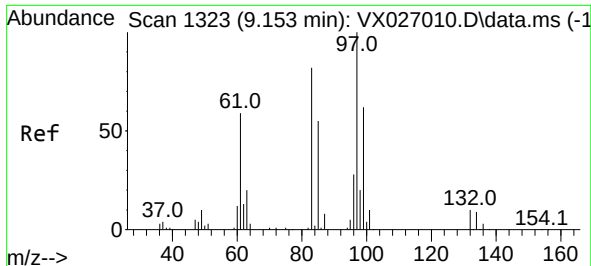
Tgt Ion: 75 Resp: 3658

Ion Ratio Lower Upper

75 100

77 37.9 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 2.078 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 97 Resp: 205

Ion Ratio Lower Upper

97 100

99 57.5 43.3 80.5

83 81.7 57.5 106.9

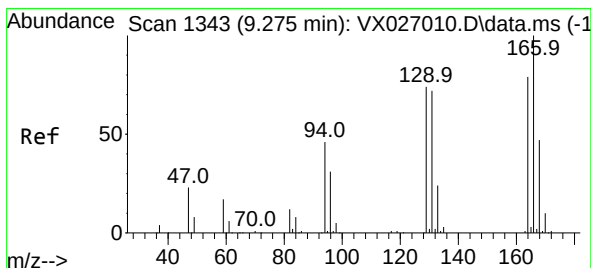
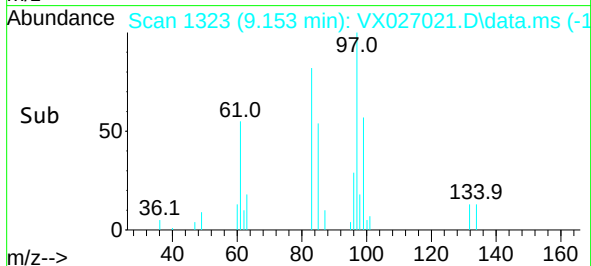
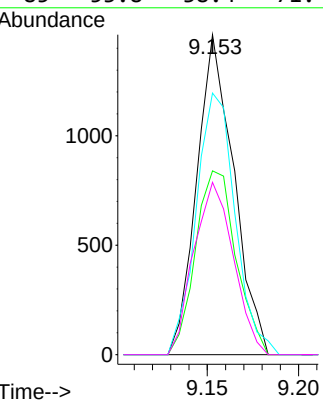
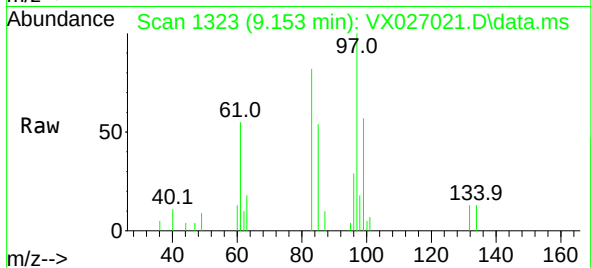
85 53.8 38.4 71.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#46

Tetrachloroethene

Concen: 2.185 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Tgt Ion:164 Resp: 1861

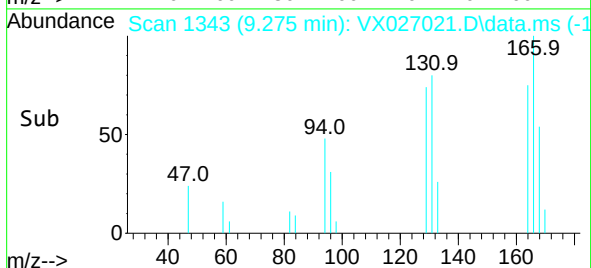
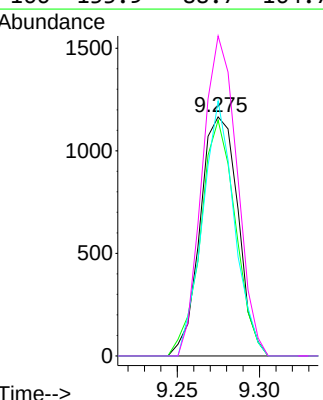
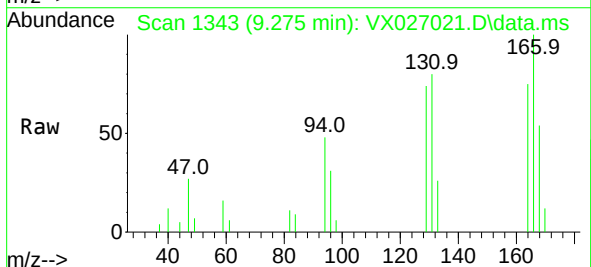
Ion Ratio Lower Upper

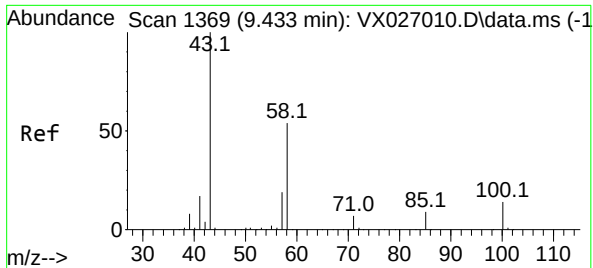
164 100

129 98.6 65.5 121.7

131 106.7 64.3 119.3

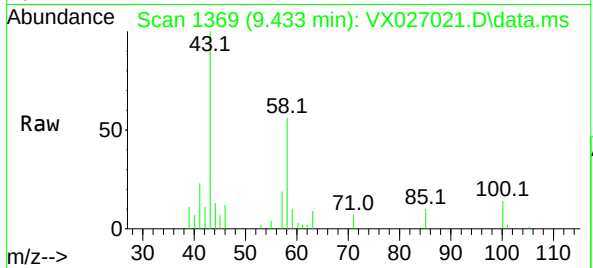
166 133.9 88.7 164.7





#48
2-Hexanone
Concen: 5.188 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

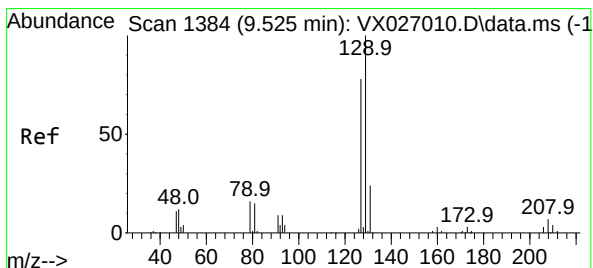
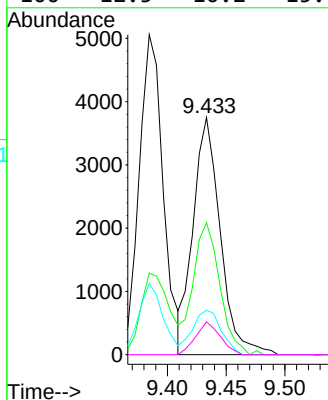
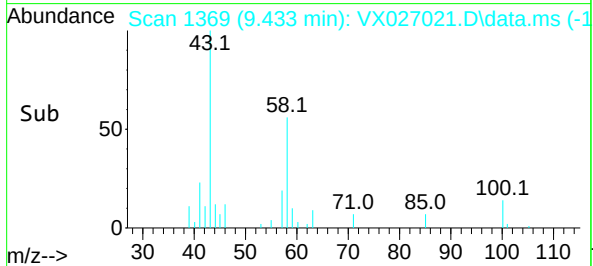
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2022-01



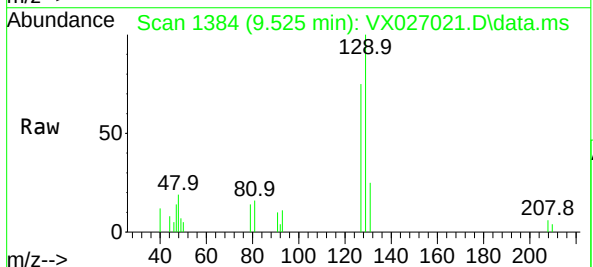
Tgt Ion: 43 Resp: 6038
Ion Ratio Lower Upper
43 100
58 54.6 42.9 64.3
57 19.9 15.3 22.9
100 12.5 10.2 15.4

Manual Integrations
APPROVED

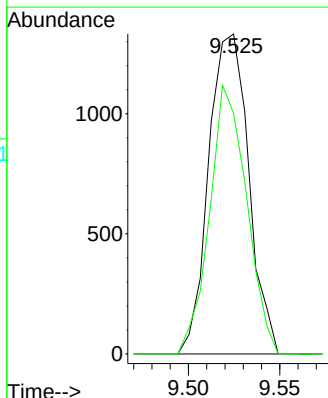
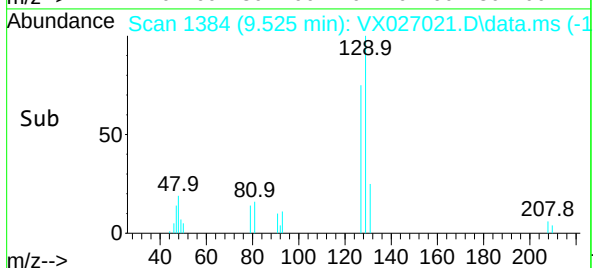
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

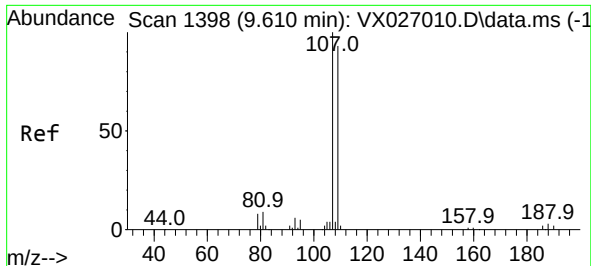


#49
Dibromochloromethane
Concen: 1.872 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23



Tgt Ion:129 Resp: 2030
Ion Ratio Lower Upper
129 100
127 75.3 54.3 100.9





#50

1,2-Dibromoethane

Concen: 2.073 ug/L

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX027021.D

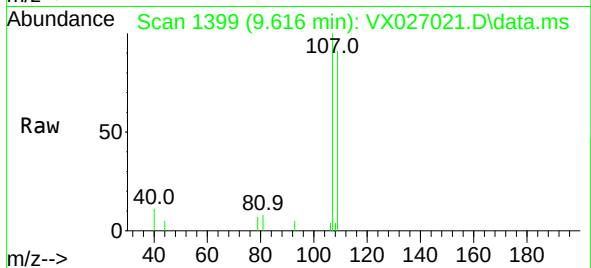
Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01



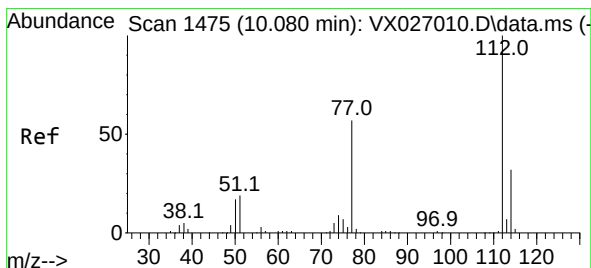
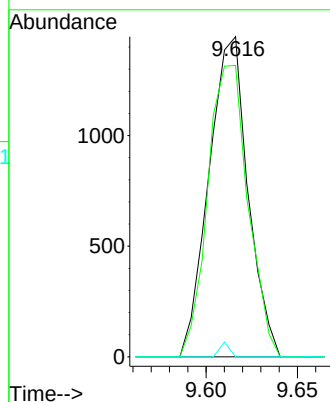
Tgt Ion:	107	Resp:	215
Ion Ratio	Lower	Upper	
107	100		
109	91.0	64.9	120.5
188	0.0	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#51

Chlorobenzene

Concen: 2.102 ug/L

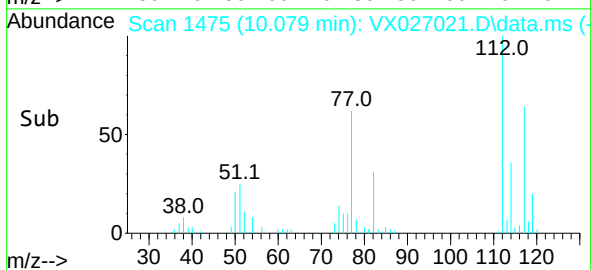
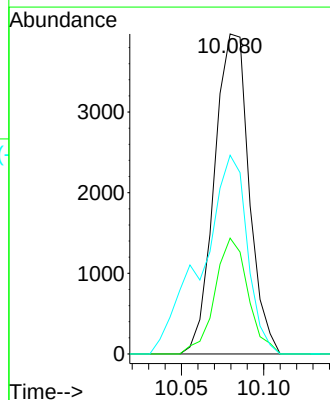
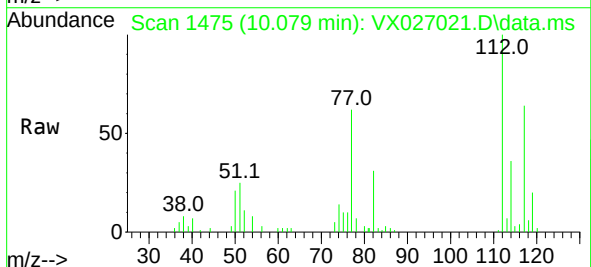
RT: 10.079 min Scan# 1475

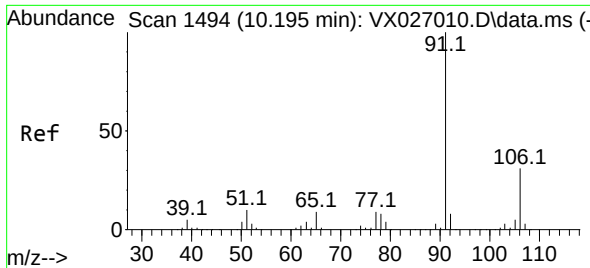
Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Tgt Ion:	112	Resp:	5812
Ion Ratio	Lower	Upper	
112	100		
114	36.2	22.2	41.2
77	62.1	45.9	68.9





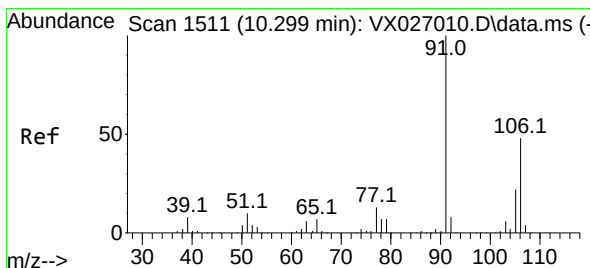
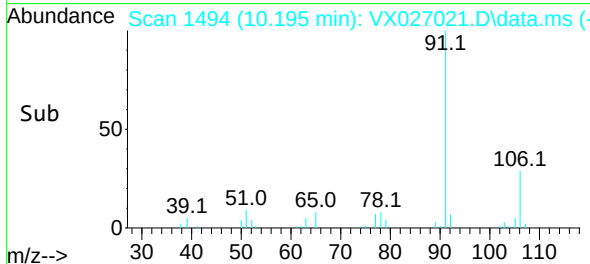
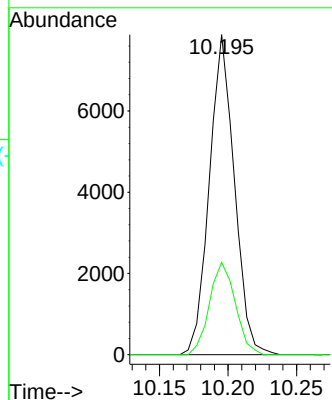
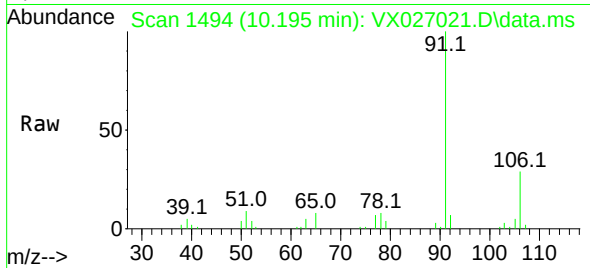
#52
Ethylbenzene
Concen: 2.157 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 91 Resp: 1001
Ion Ratio Lower Upper
91 100
106 28.9 21.7 40.3

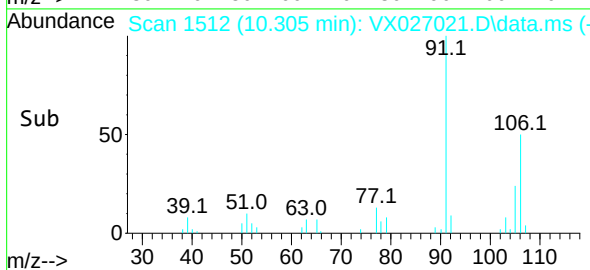
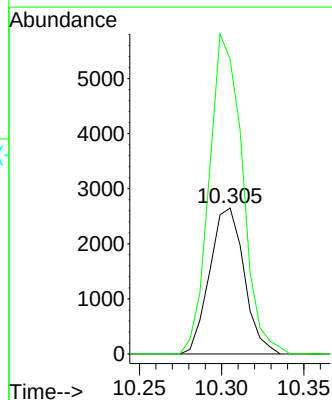
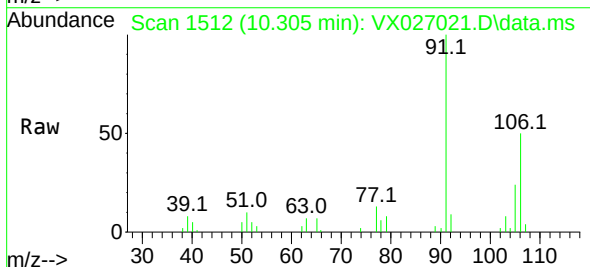
Manual Integrations
APPROVED

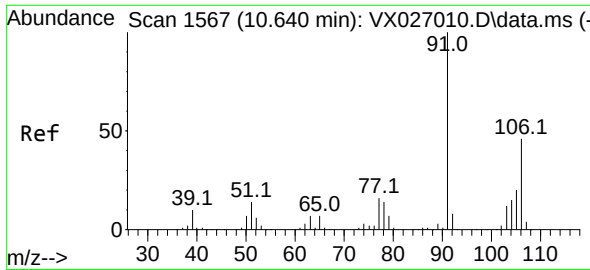
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#53
m,p-Xylene
Concen: 2.110 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Tgt Ion:106 Resp: 3862
Ion Ratio Lower Upper
106 100
91 201.9 145.7 270.5





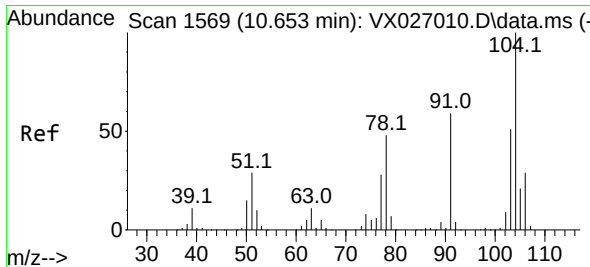
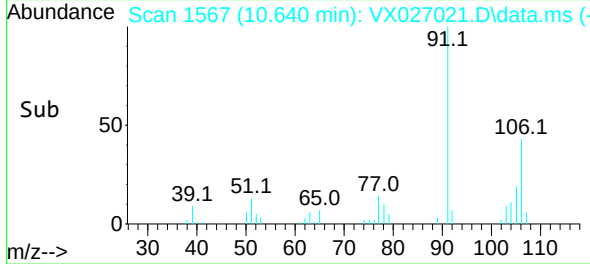
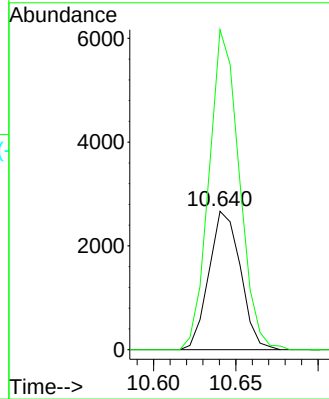
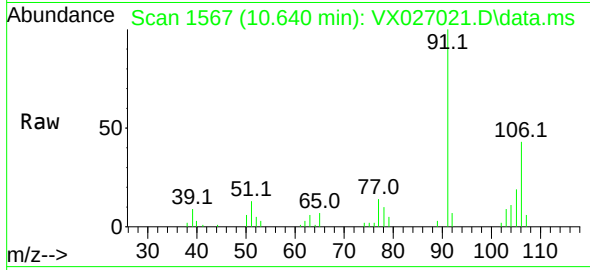
#54
o-Xylene
Concen: 2.034 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2022-01

Tgt Ion:106 Resp: 3562
Ion Ratio Lower Upper
106 100
91 231.2 151.2 280.8

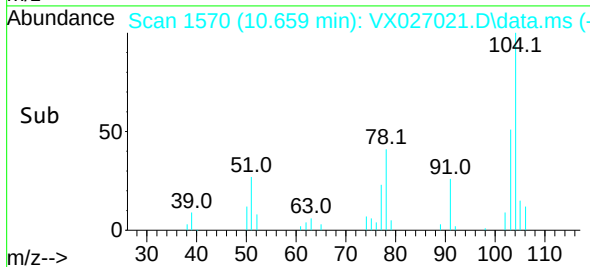
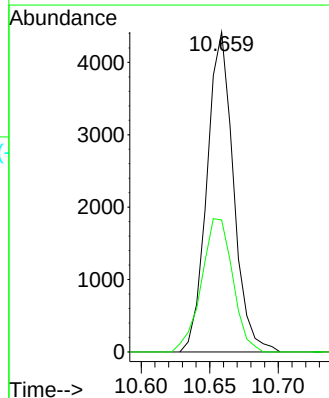
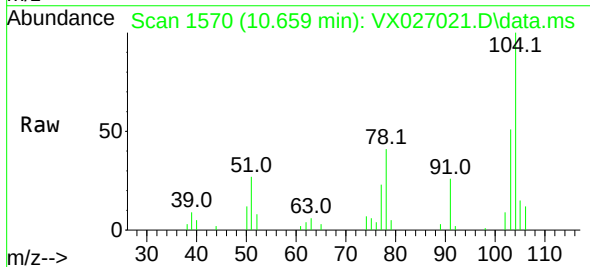
Manual Integrations
APPROVED

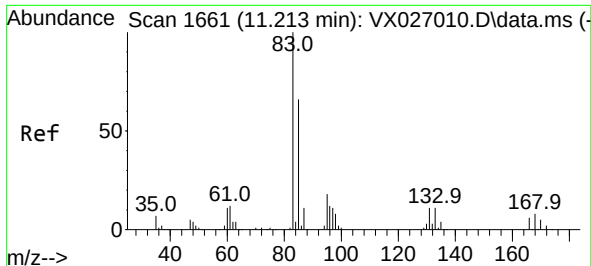
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#55
Styrene
Concen: 2.009 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Tgt Ion:104 Resp: 5959
Ion Ratio Lower Upper
104 100
78 41.3 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 2.499 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

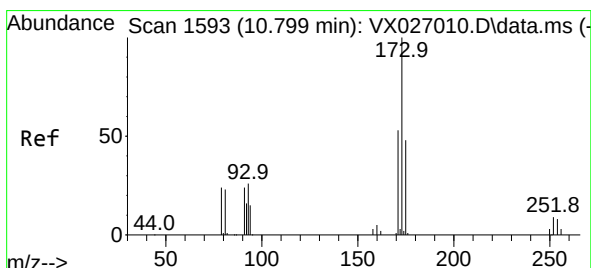
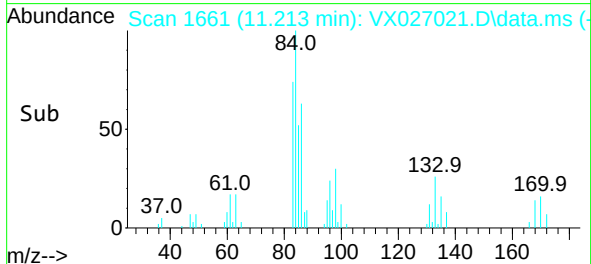
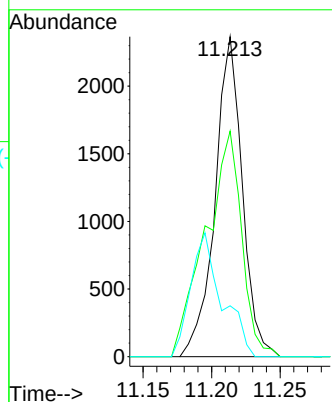
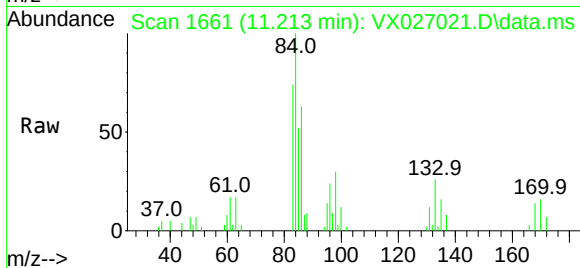
Tgt Ion:	83	Resp:	327
Ion Ratio	Lower	Upper	
83	100		
85	70.5	45.8	85.2
131	15.9	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#59

Bromoform

Concen: 1.800 ug/L

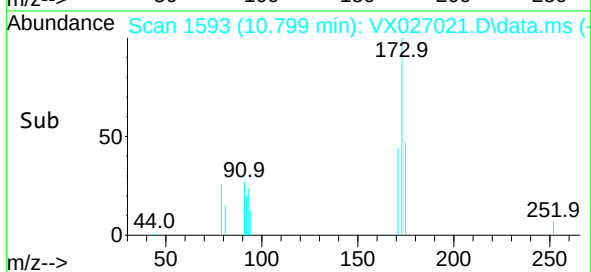
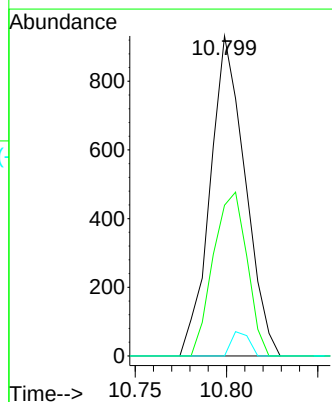
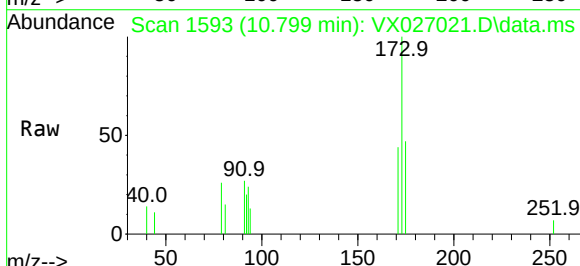
RT: 10.799 min Scan# 1593

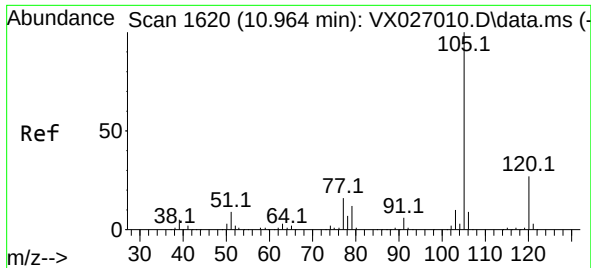
Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Tgt Ion:	173	Resp:	1242
Ion Ratio	Lower	Upper	
173	100		
175	49.4	38.9	58.3
254	3.9	7.0	10.6





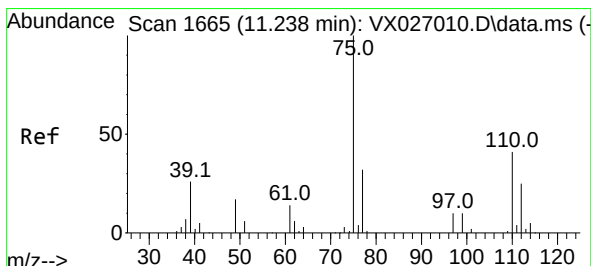
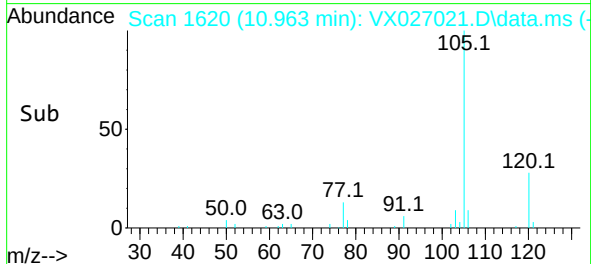
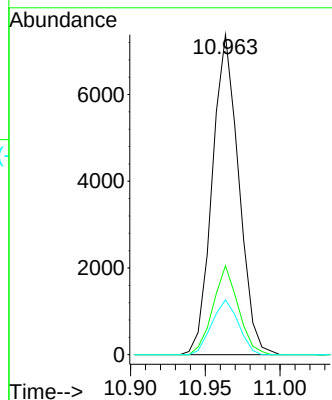
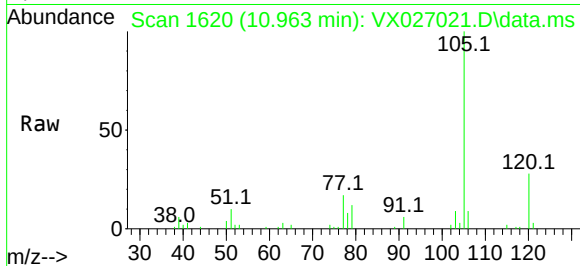
#60
Isopropylbenzene
Concen: 2.091 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion:105 Resp: 908
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8
77 17.2 12.5 18.7

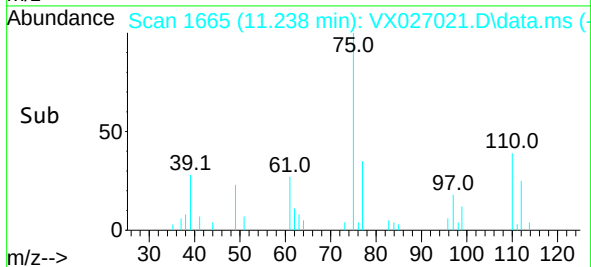
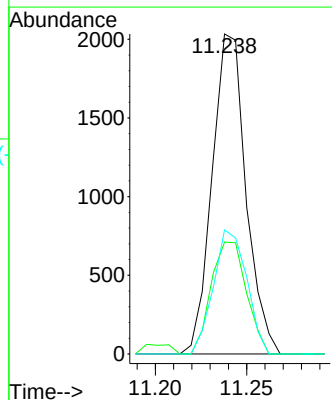
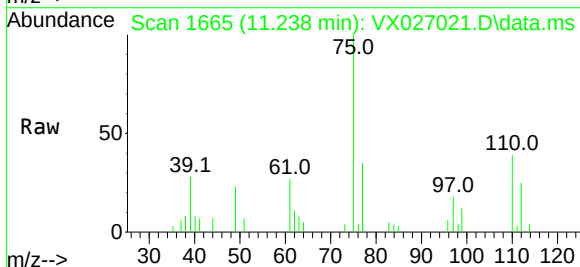
Manual Integrations
APPROVED

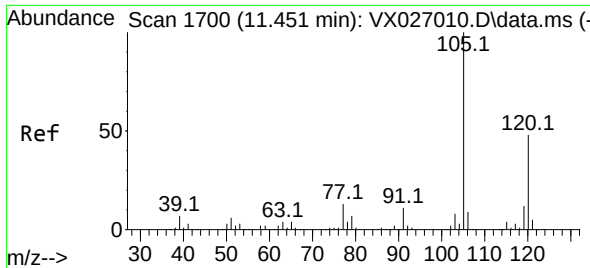
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#61
1,2,3-Trichloropropane
Concen: 2.301 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

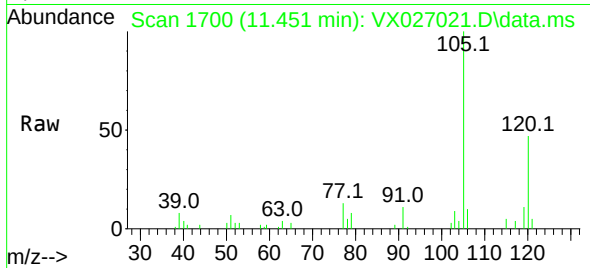
Tgt Ion: 75 Resp: 2625
Ion Ratio Lower Upper
75 100
77 36.5 25.8 38.6
110 38.0 33.4 50.0





#62
1,3,5-Trimethylbenzene
Concen: 2.062 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

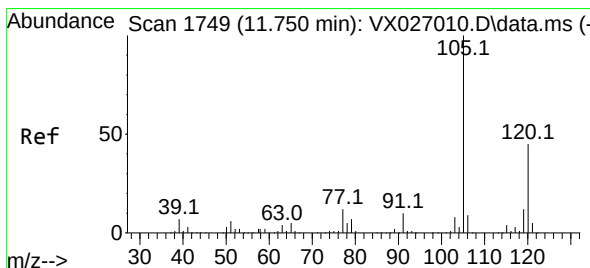
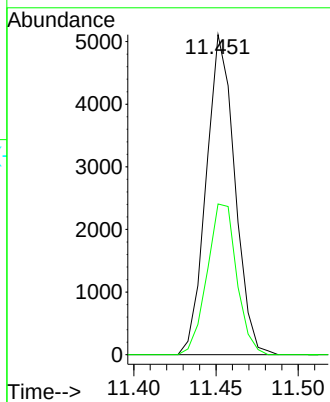
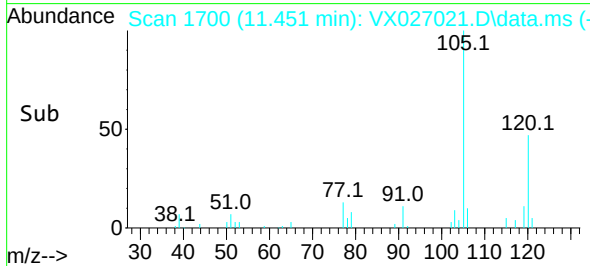
Instrument : MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



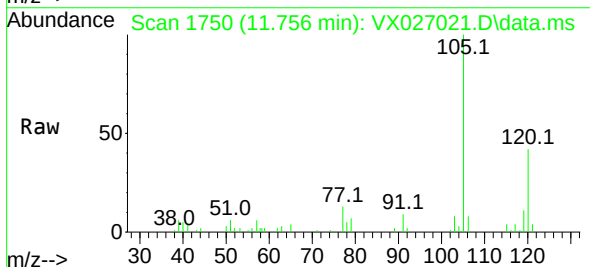
Tgt Ion:105 Resp: 618
Ion Ratio Lower Upper
105 100
120 48.7 39.1 58.7

Manual Integrations
APPROVED

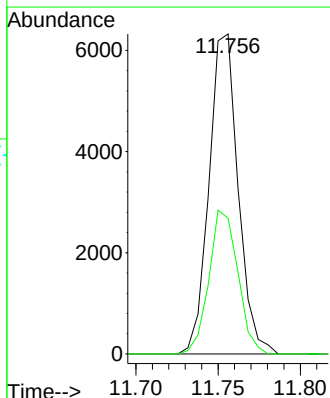
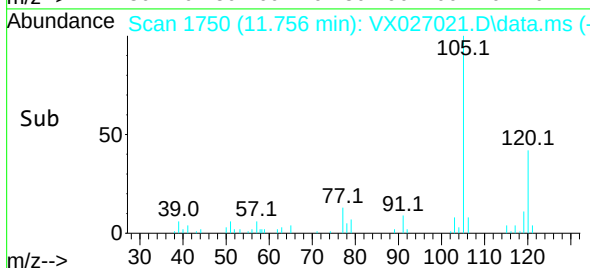
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

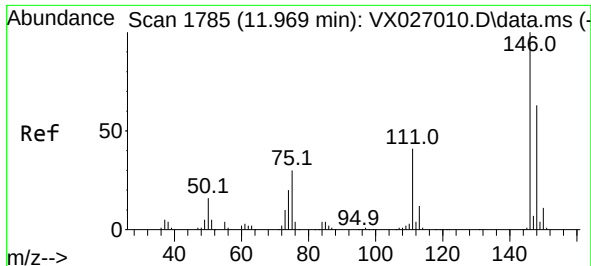


#63
1,2,4-Trimethylbenzene
Concen: 2.139 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23



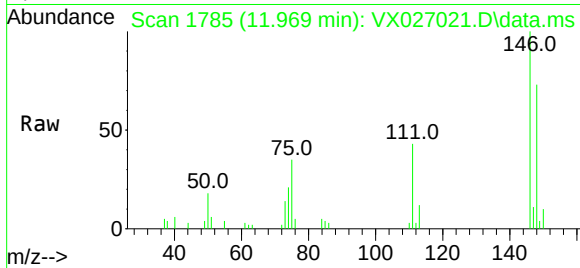
Tgt Ion:105 Resp: 7787
Ion Ratio Lower Upper
105 100
120 44.6 36.1 54.1





#64
1,3-Dichlorobenzene
Concen: 2.175 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

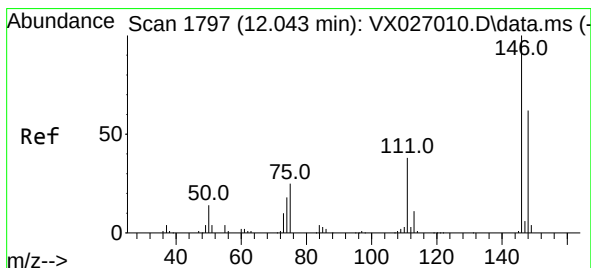
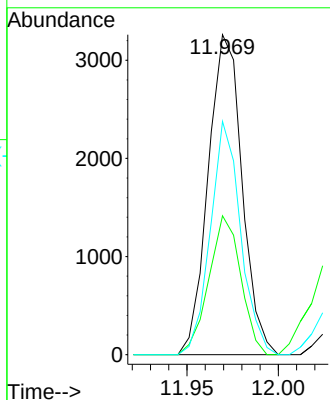
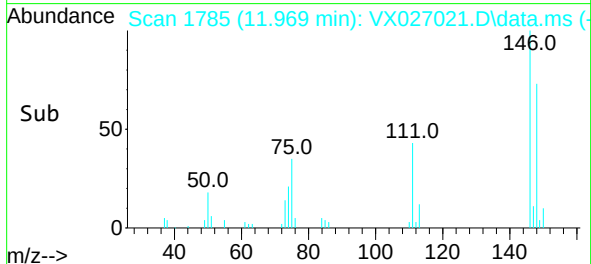
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2022-01



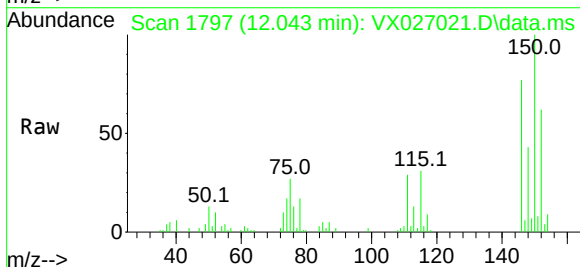
Tgt Ion:146 Resp: 4204
Ion Ratio Lower Upper
146 100
111 43.4 28.3 52.7
148 72.9 43.8 81.4

Manual Integrations
APPROVED

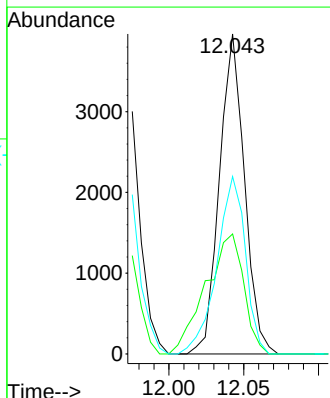
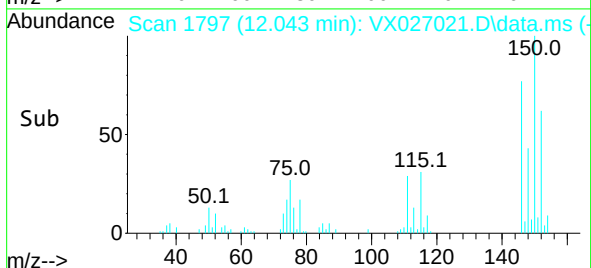
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

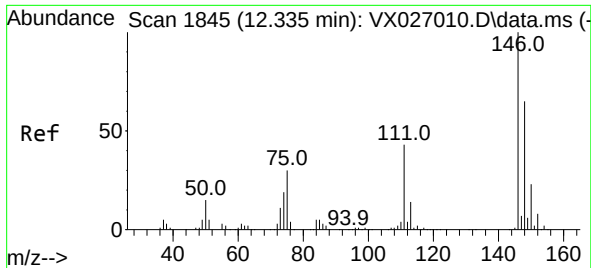


#65
1,4-Dichlorobenzene
Concen: 2.372 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23



Tgt Ion:146 Resp: 4614
Ion Ratio Lower Upper
146 100
111 37.5 26.5 49.3
148 55.5 43.5 80.7





#67

1,2-Dichlorobenzene

Concen: 2.434 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

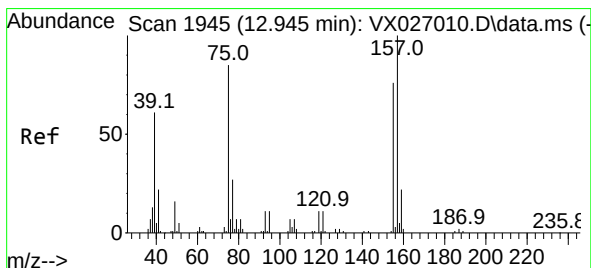
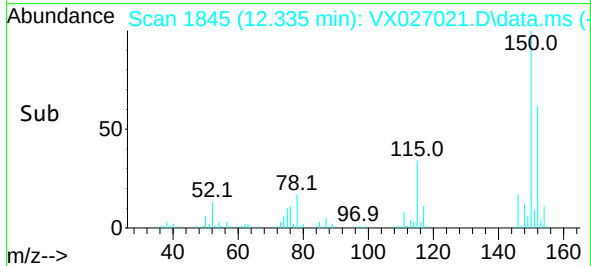
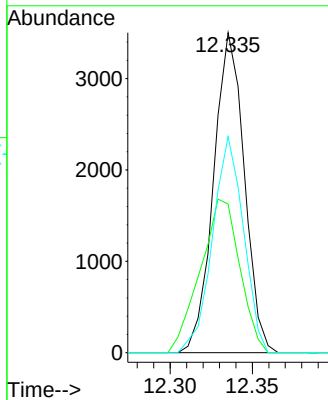
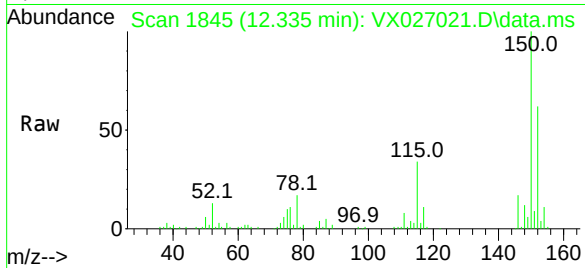
Tgt Ion:146	Resp:	4548
Ion Ratio	Lower	Upper
146	100	
111	46.4	34.5 51.7
148	67.6	51.9 77.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2022

Supervised By :Mahesh Dadoda 02/16/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 1.975 ug/L m

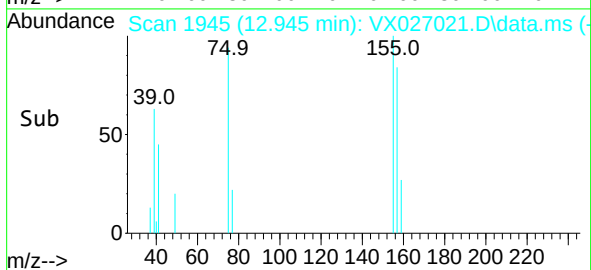
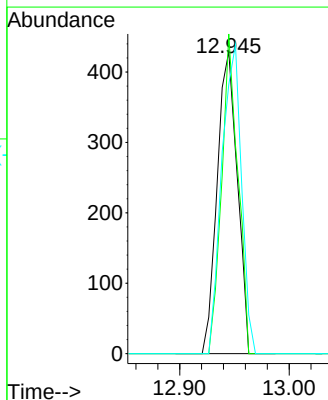
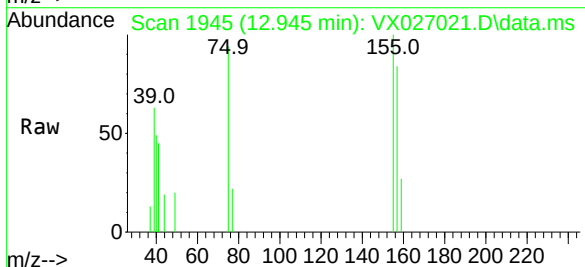
RT: 12.945 min Scan# 1945

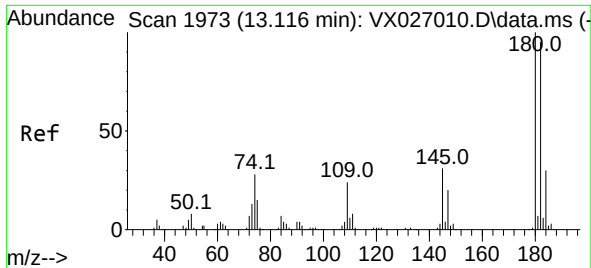
Delta R.T. -0.000 min

Lab File: VX027021.D

Acq: 14 Feb 2022 18:23

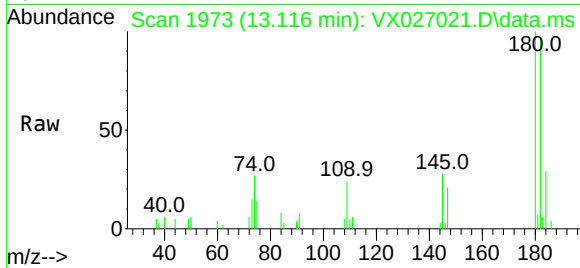
Tgt Ion: 75	Resp:	547
Ion Ratio	Lower	Upper
75	100	
155	105.8	71.6 107.4
157	89.0	93.8 140.6





#69
1,3,5-Trichlorobenzene
Concen: 2.094 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

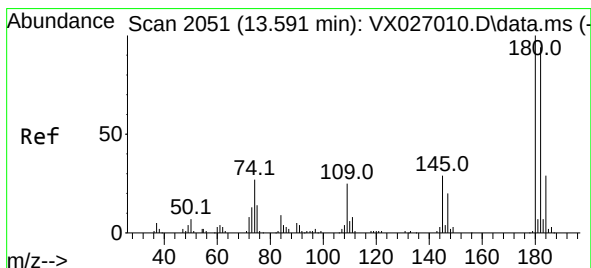
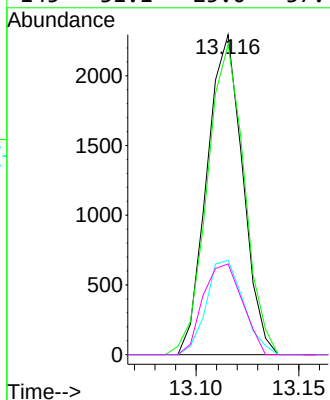
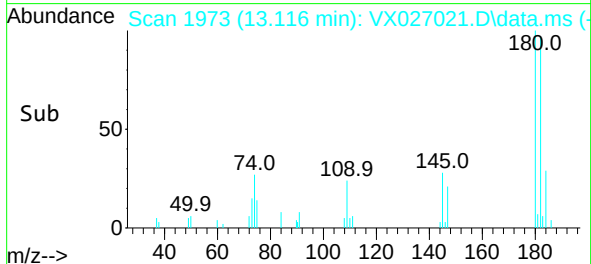
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2022-01



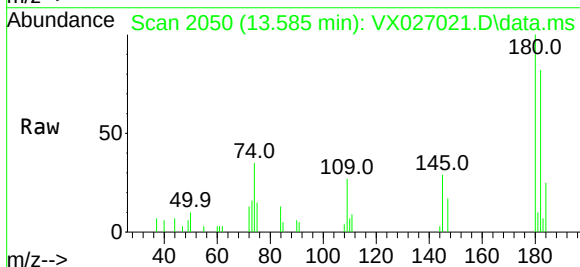
Tgt Ion:180 Resp: 278
Ion Ratio Lower Upper
180 100
182 100.4 75.6 113.4
184 30.6 23.6 35.4
145 31.1 25.0 37.4

Manual Integrations
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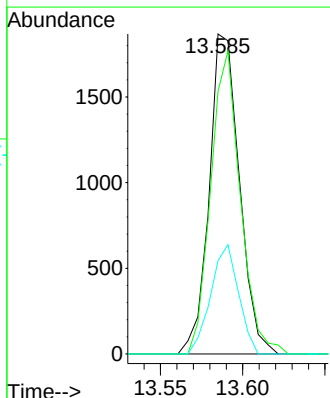
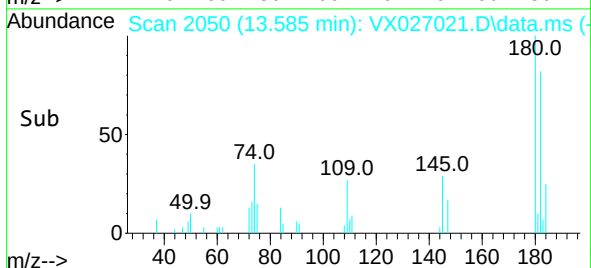
Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022

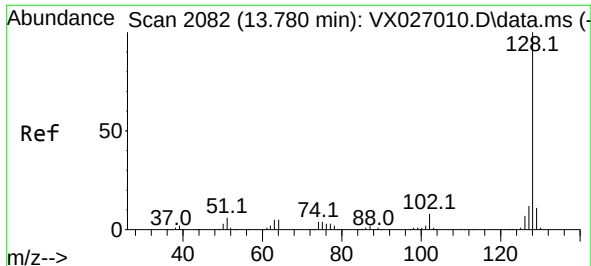


#70
1,2,4-trichlorobenzene
Concen: 2.033 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23



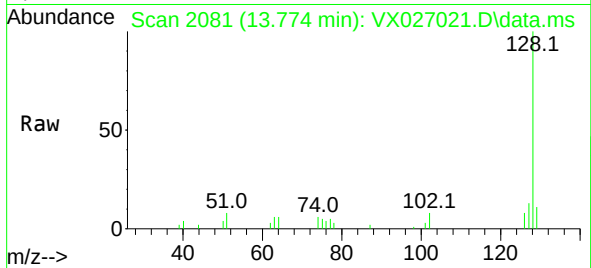
Tgt Ion:180 Resp: 2384
Ion Ratio Lower Upper
180 100
182 92.7 75.4 113.2
145 31.3 25.0 37.4





#71
Naphthalene
Concen: 1.841 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

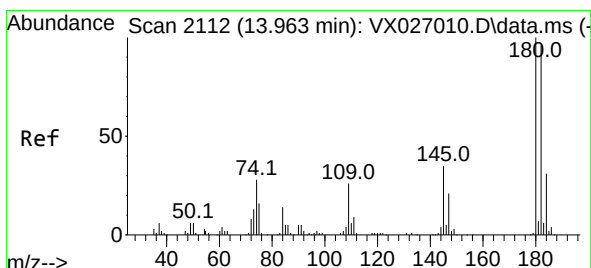
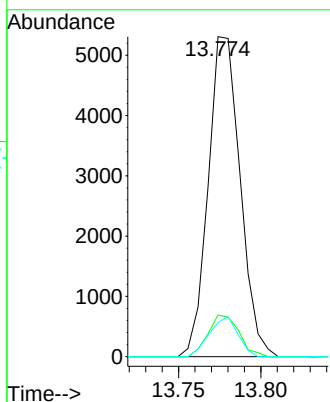
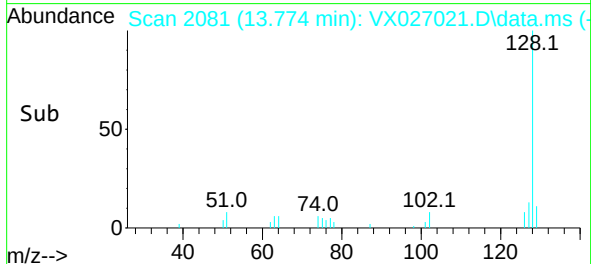
Instrument : MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



Tgt Ion:128 Resp: 718
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.1 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/15/2022
Supervised By :Mahesh Dadoda 02/16/2022



#72
1,2,3-Trichlorobenzene
Concen: 1.914 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX027021.D
Acq: 14 Feb 2022 18:23

Tgt Ion:180 Resp: 2244
Ion Ratio Lower Upper
180 100
182 100.1 77.0 115.4
145 36.1 27.4 41.0

