

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072022\
 Data File : VX030126.D
 Acq On : 20 Jul 2022 11:45
 Operator : JC/MD
 Sample : N3670-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-04

Quant Time: Jul 21 07:05:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 21 06:57:25 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/21/2022
 Supervised By : Mahesh Dadoda 07/22/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	272252	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	247883	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	116007	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	101480	47.787	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.580%
7) Chloroethane-d5	1.666	69	73488	50.007	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.020%
11) 1,1-Dichloroethene-d2	2.306	63	160577	39.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.180%
21) 2-Butanone-d5	4.465	46	221186	105.911	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.910%
24) Chloroform-d	5.062	84	210975	48.934	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
26) 1,2-Dichloroethane-d4	5.958	65	135865	50.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.740%
32) Benzene-d6	5.976	84	465307	50.996	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.000%
36) 1,2-Dichloropropane-d6	7.312	67	150290	51.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.720%
41) Toluene-d8	8.653	98	410898	49.355	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.700%
43) trans-1,3-Dichloroprop...	8.952	79	52527	42.271	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.540%
47) 2-Hexanone-d5	9.384	63	153083	104.329	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.330%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	193909	49.663	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.320%
66) 1,2-Dichlorobenzene-d4	12.323	152	143960	53.534	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5788	2.539	ug/L	98
3) Chloromethane	1.288	50	5278	2.590	ug/L	97
5) Vinyl chloride	1.374	62	5187	2.442	ug/L #	51
6) Bromomethane	1.611	94	2594	2.707	ug/L	92
8) Chloroethane	1.685	64	3159	2.695	ug/L	97
9) Trichlorofluoromethane	1.886	101	6984	2.540	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	6264	3.222	ug/L #	81
12) 1,1-Dichloroethene	2.319	96	5631	3.005	ug/L #	1
13) Acetone	2.392	43	6906m	5.940	ug/L	
14) Carbon disulfide	2.508	76	12867	2.439	ug/L #	93
15) Methyl Acetate	2.709	43	6916	2.612	ug/L	94
16) Methylene chloride	2.788	84	7536	3.331	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	4672	2.343	ug/L	84
18) Methyl tert-butyl Ether	3.117	73	14296	2.327	ug/L	99
19) 1,1-Dichloroethane	3.611	63	8901	2.442	ug/L	98
20) cis-1,2-Dichloroethene	4.495	96	5799	2.504	ug/L	99
22) 2-Butanone	4.580	43	10170m	5.116	ug/L	
23) Bromochloromethane	4.903	128	3181	2.760	ug/L	93
27) 1,2-Dichloroethane	6.098	62	7723m	2.717	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.477	56	7973	2.345	ug/L	98
30) 1,1,1-Trichloroethane	5.391	97	7280m	2.387	ug/L	
31) Carbon tetrachloride	5.684	117	5912	2.353	ug/L	97
33) Benzene	6.044	78	21106	2.445	ug/L	100
35) Methylcyclohexane	7.379	83	8176	2.351	ug/L #	92
37) 1,2-Dichloropropane	7.427	63	5924	2.623	ug/L #	93
38) Bromodichloromethane	7.824	83	6865	2.484	ug/L #	97
39) cis-1,3-Dichloropropene	8.372	75	6513	2.017	ug/L	87
40) 4-Methyl-2-pentanone	8.580	43	17673	4.810	ug/L	98
42) Toluene	8.720	91	22715	2.535	ug/L	95
44) trans-1,3-Dichloropropene	8.982	75	6079	2.010	ug/L	93
45) 1,1,2-Trichloroethane	9.159	97	5479	2.535	ug/L	93
46) Tetrachloroethene	9.281	164	3681	2.298	ug/L	83
49) Dibromochloromethane	9.525	129	4720	2.182	ug/L	99
50) 1,2-Dibromoethane	9.616	107	5646	2.460	ug/L	88
51) Chlorobenzene	10.079	112	13636	2.422	ug/L	99
52) Ethylbenzene	10.195	91	21432	2.244	ug/L	95
53) m,p-Xylene	10.305	106	8491	2.280	ug/L	96
54) o-Xylene	10.640	106	8453	2.338	ug/L	87
55) Styrene	10.659	104	13101	2.103	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.213	83	9229	2.705	ug/L #	96
59) Bromoform	10.799	173	3133	2.312	ug/L	99
60) Isopropylbenzene	10.963	105	20335	2.392	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	7443	2.892	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	15843	2.255	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	14962	2.136	ug/L	93
64) 1,3-Dichlorobenzene	11.969	146	8526	2.280	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	9428	2.507	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	9948	2.615	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	12.945	75	1859	2.405	ug/L	96
69) 1,3,5-Trichlorobenzene	13.115	180	6055	2.398	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	5025	2.267	ug/L	93
71) Naphthalene	13.780	128	19857	2.190	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5353	2.273	ug/L	97

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

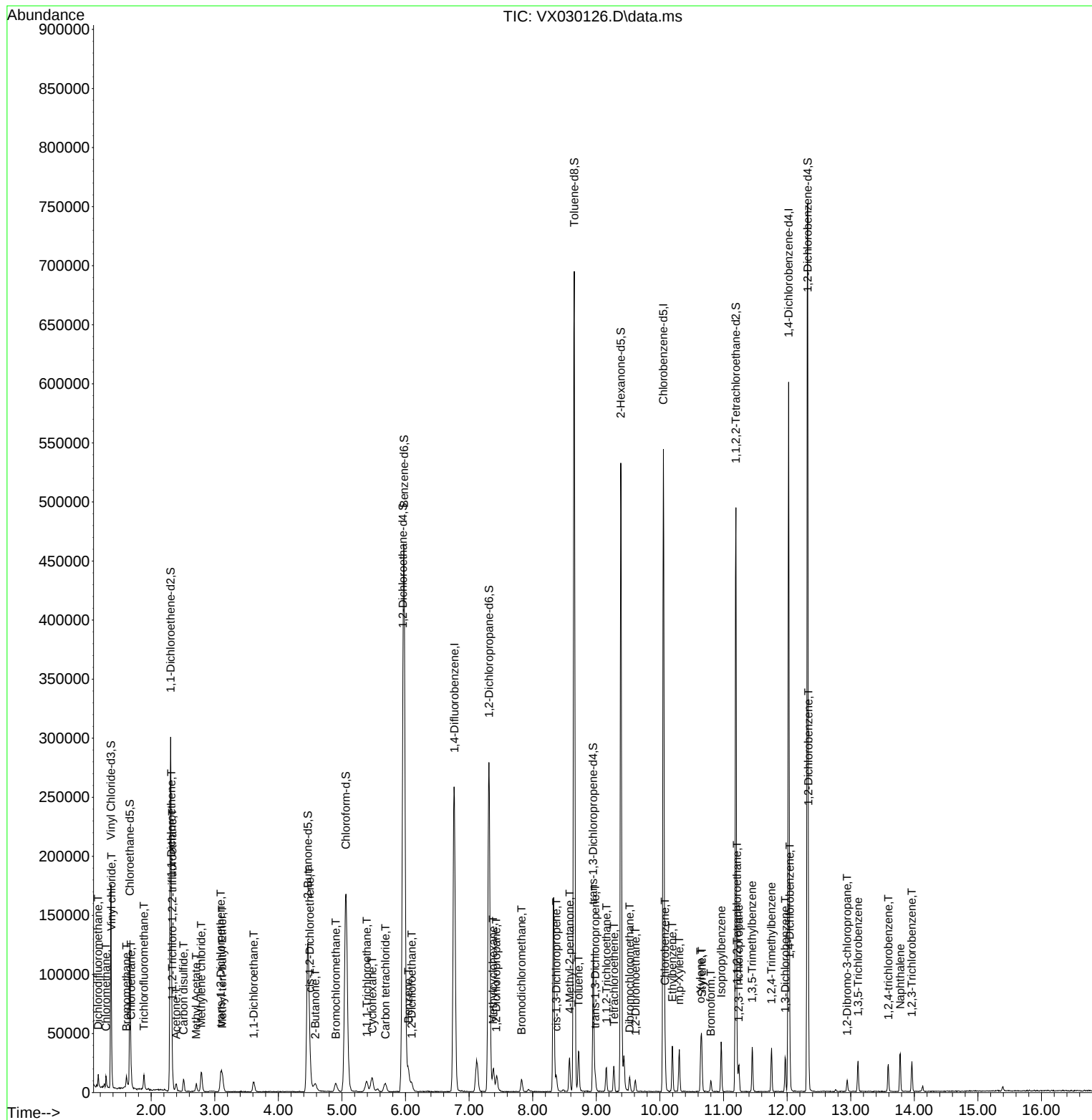
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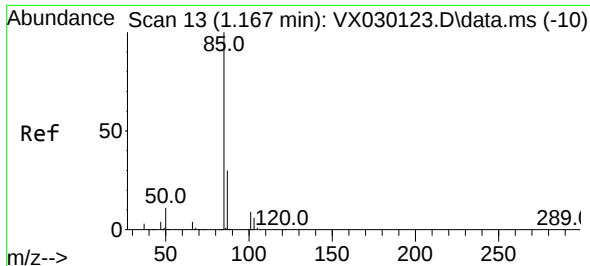
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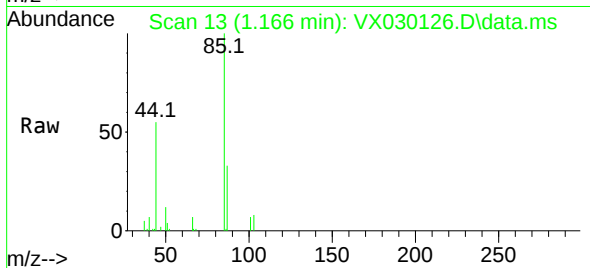
Reviewed By :John Carlone 07/21/2022
 Supervised By :Mahesh Dadoda 07/22/2022





#2
 Dichlorodifluoromethane
 Concen: 2.539 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX030126.D
 Acq: 20 Jul 2022 11:45

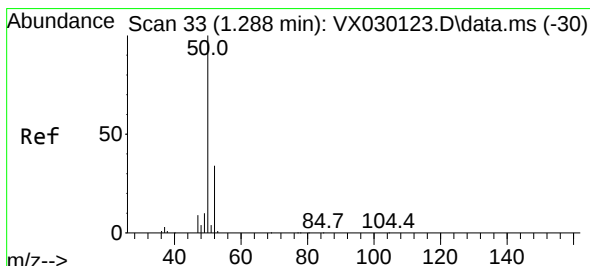
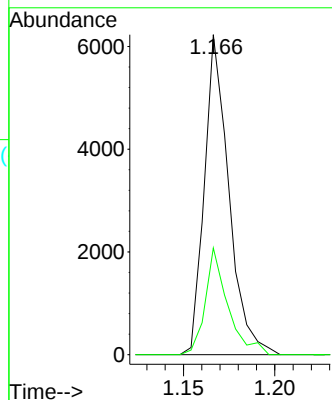
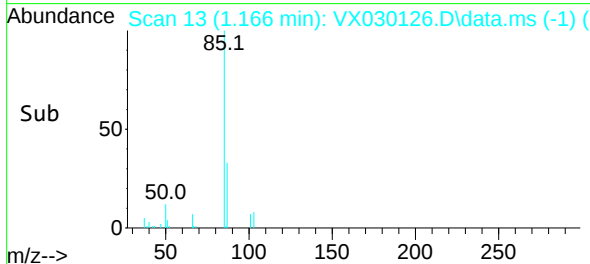
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT2-2022-04



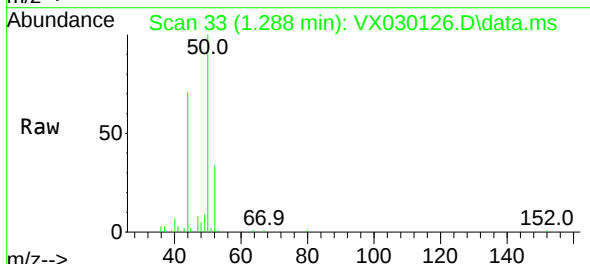
Tgt Ion: 85 Resp: 578
 Ion Ratio Lower Upper
 85 100
 87 30.8 25.7 38.5

Manual Integrations
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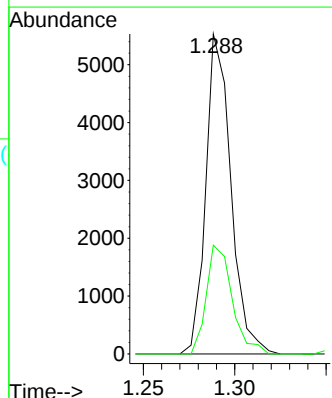
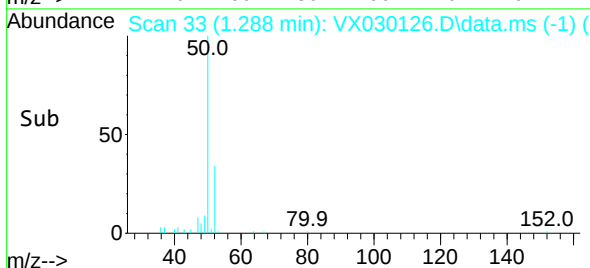
Reviewed By :John Carlone 07/21/2022
 Supervised By :Mahesh Dadoda 07/22/2022

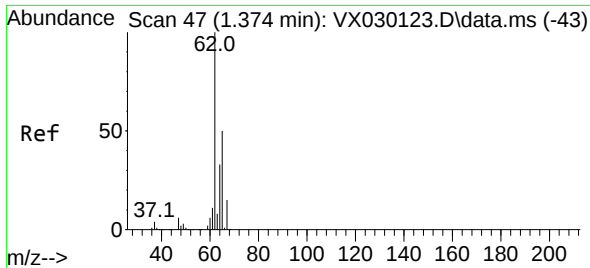


#3
 Chloromethane
 Concen: 2.590 ug/L
 RT: 1.288 min Scan# 33
 Delta R.T. -0.000 min
 Lab File: VX030126.D
 Acq: 20 Jul 2022 11:45



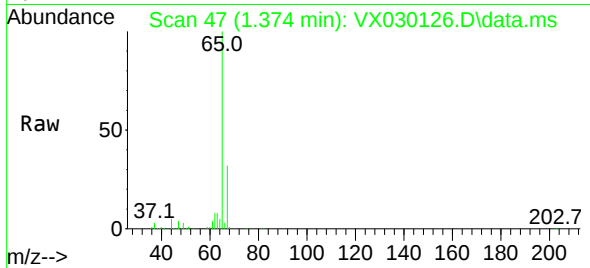
Tgt Ion: 50 Resp: 5278
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.6 42.0





#5
 Vinyl chloride
 Concen: 2.442 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030126.D
 Acq: 20 Jul 2022 11:45

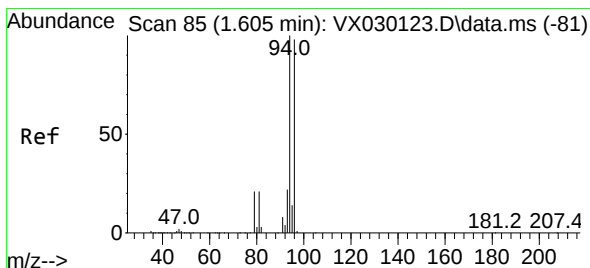
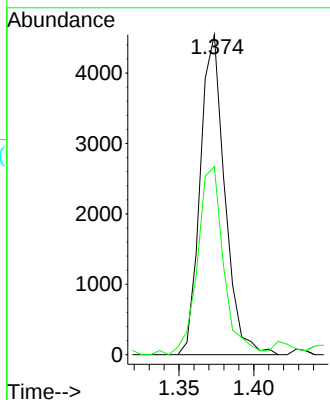
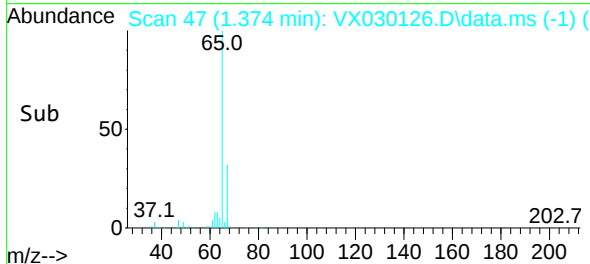
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT2-2022-04



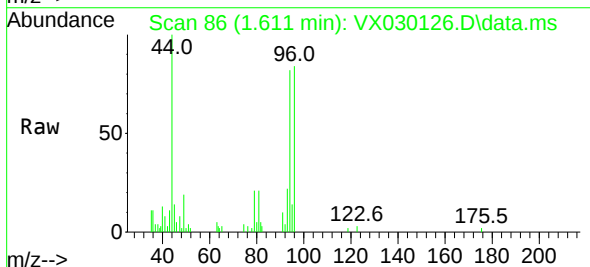
Tgt Ion: 62 Resp: 518
 Ion Ratio Lower Upper
 62 100
 64 58.8 22.1 41.1

Manual Integrations
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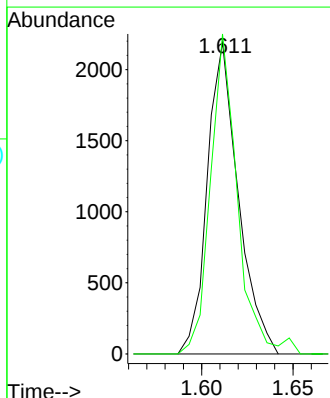
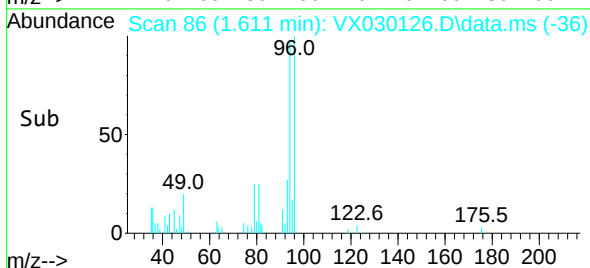
Reviewed By :John Carlone 07/21/2022
 Supervised By :Mahesh Dadoda 07/22/2022

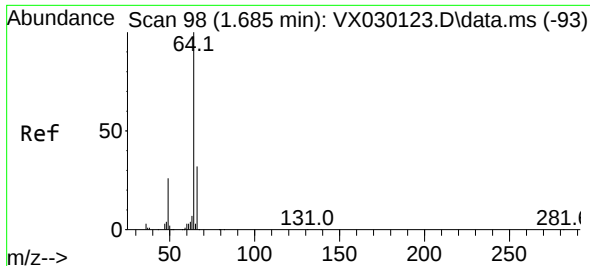


#6
 Bromomethane
 Concen: 2.707 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX030126.D
 Acq: 20 Jul 2022 11:45



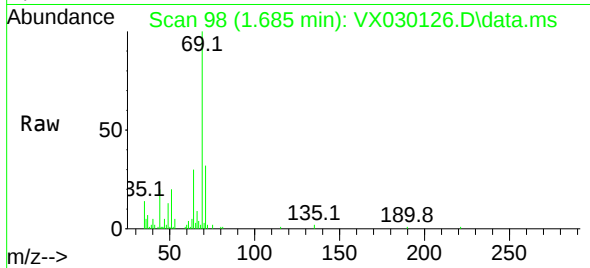
Tgt Ion: 94 Resp: 2594
 Ion Ratio Lower Upper
 94 100
 96 102.6 66.5 123.5





#8
Chloroethane
Concen: 2.695 ug/L
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

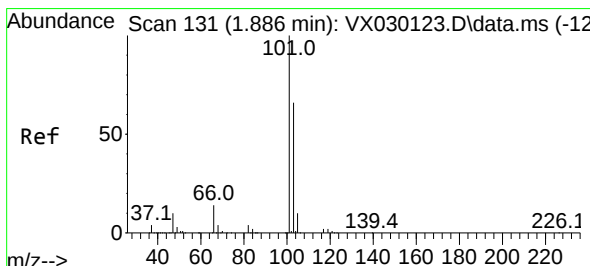
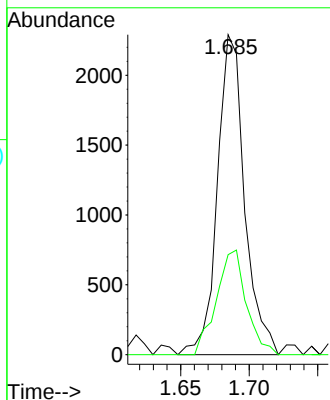
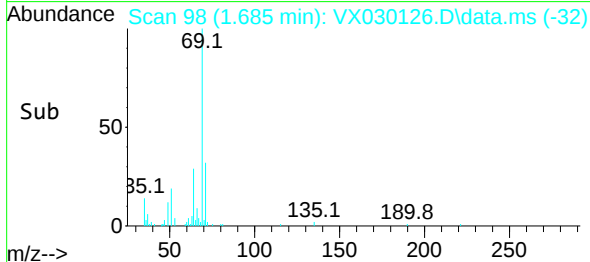
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



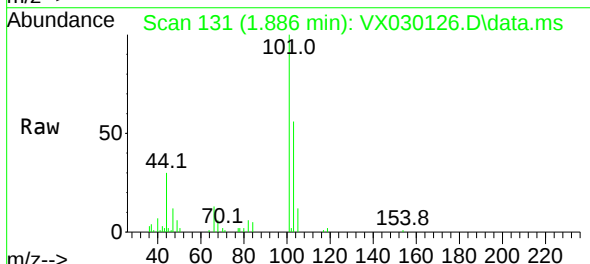
Tgt Ion: 64 Resp: 315
Ion Ratio Lower Upper
64 100
66 31.3 23.0 42.6

Manual Integrations
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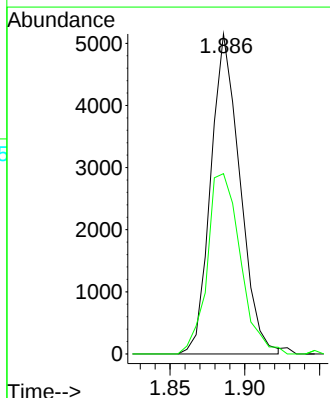
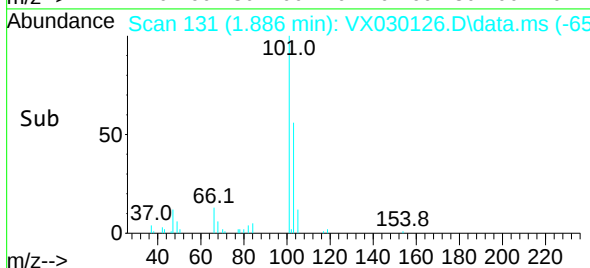
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022

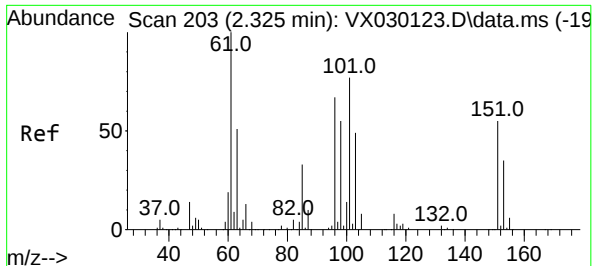


#9
Trichlorofluoromethane
Concen: 2.540 ug/L
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45



Tgt Ion:101 Resp: 6984
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.222 ug/L

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

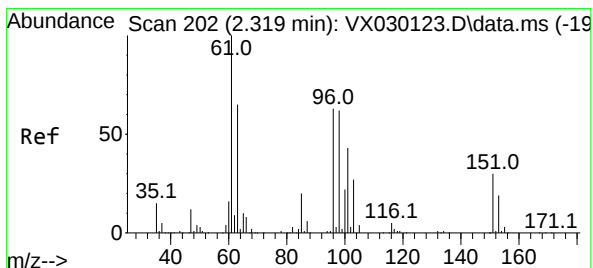
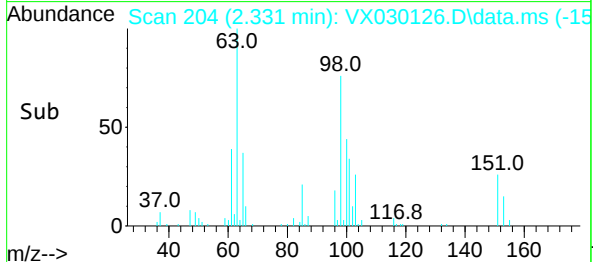
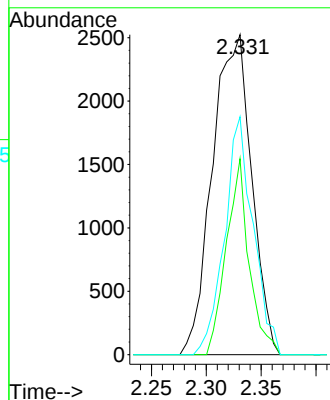
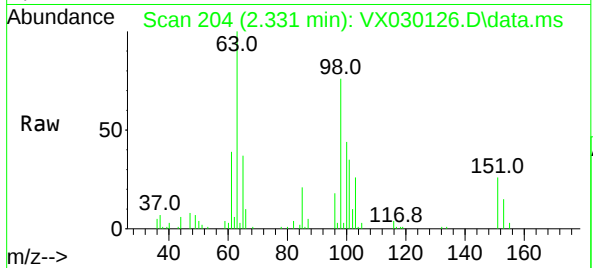
Tgt Ion:	101	Resp:	6264
Ion	Ratio	Lower	Upper
101	100		
85	35.7	34.1	51.1
151	54.4	59.4	89.2

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 3.005 ug/L

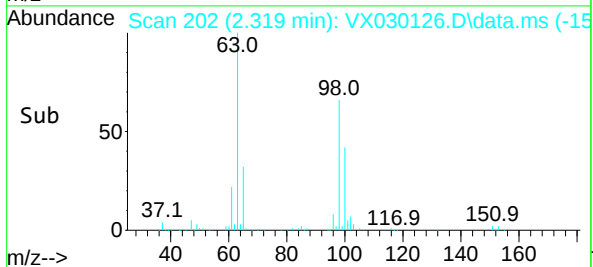
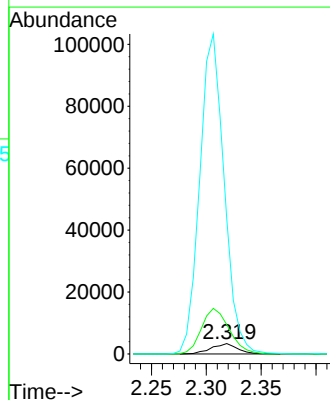
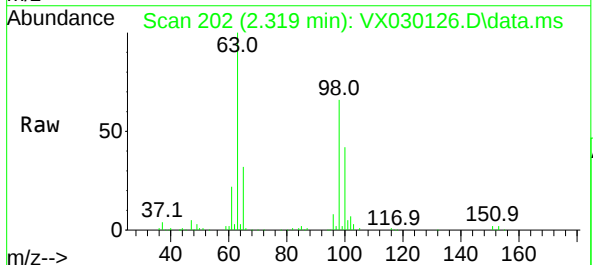
RT: 2.319 min Scan# 202

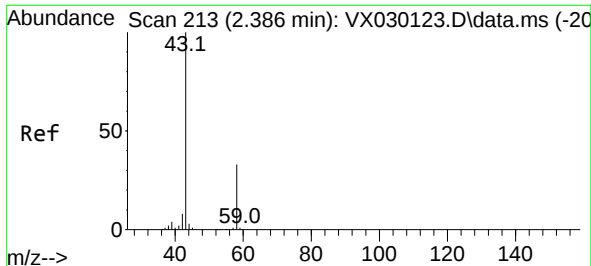
Delta R.T. -0.000 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Tgt Ion:	96	Resp:	5631
Ion	Ratio	Lower	Upper
96	100		
61	282.2	115.1	213.7#
63	1301.1	104.1	193.3#





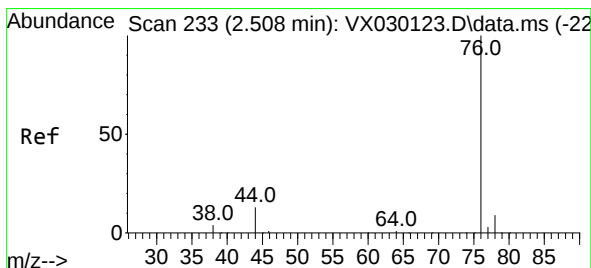
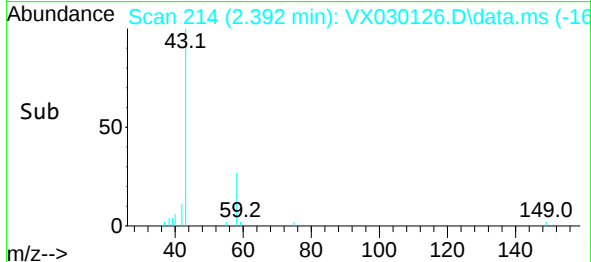
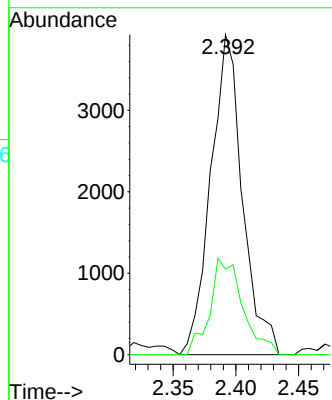
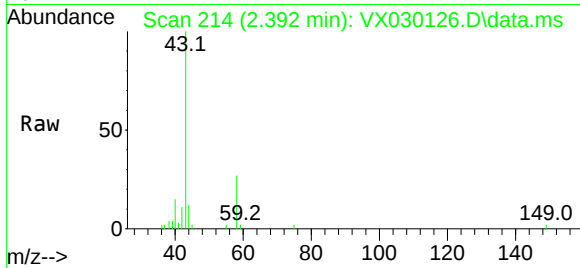
#13
Acetone
Concen: 5.940 ug/L m
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 43 Resp: 6900
Ion Ratio Lower Upper
43 100
58 31.2 0.0 65.6

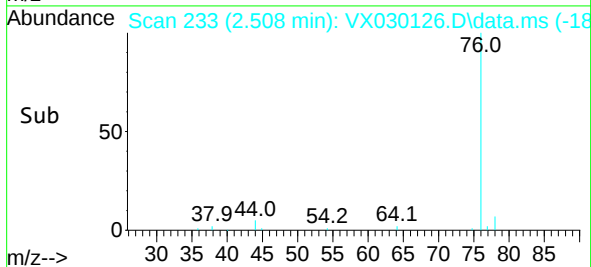
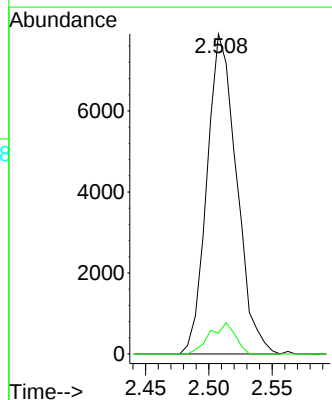
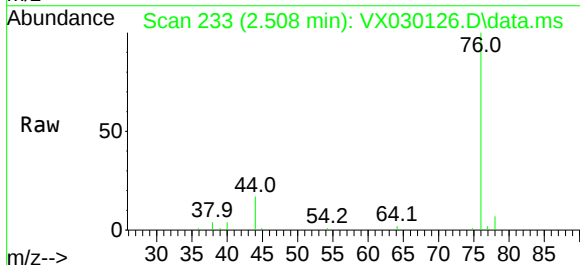
Manual Integrations
APPROVED

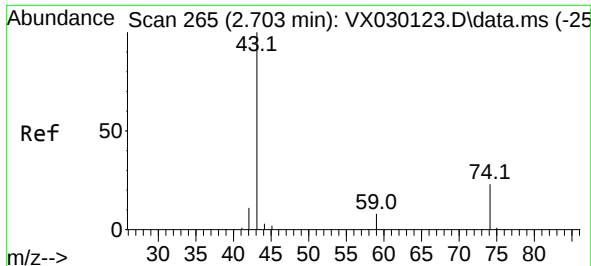
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#14
Carbon disulfide
Concen: 2.439 ug/L
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

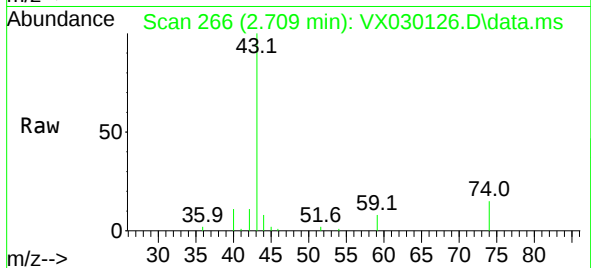
Tgt Ion: 76 Resp: 12867
Ion Ratio Lower Upper
76 100
78 6.5 7.3 10.9#





#15
Methyl Acetate
Concen: 2.612 ug/L
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

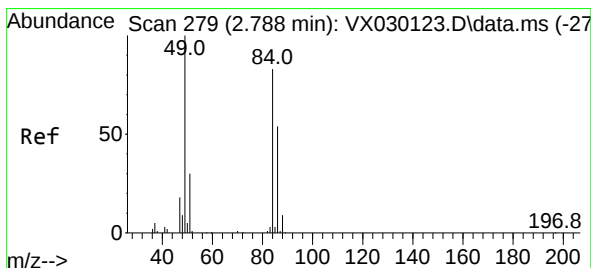
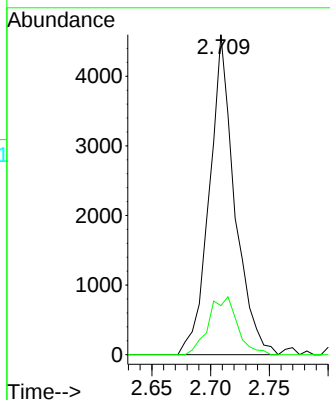
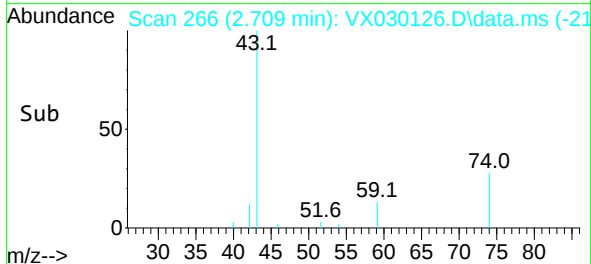
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 43 Resp: 6910
Ion Ratio Lower Upper
43 100
74 20.5 18.7 28.1

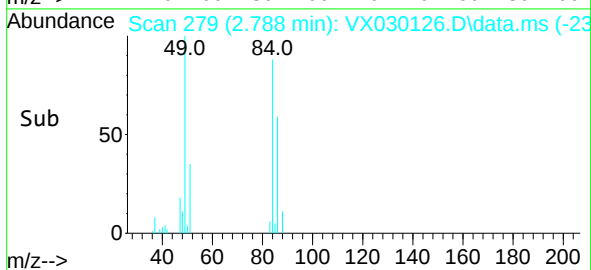
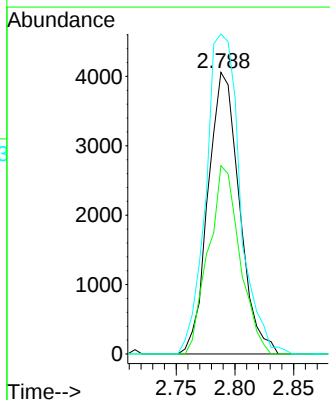
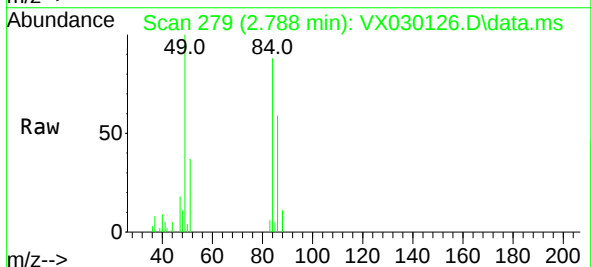
Manual Integrations
APPROVED

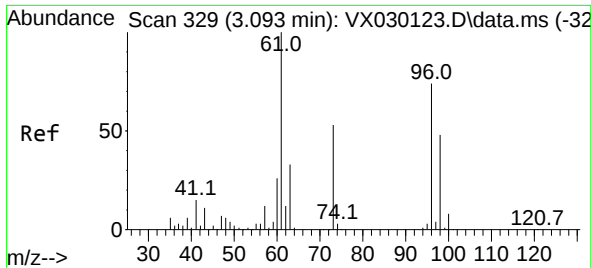
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#16
Methylene chloride
Concen: 3.331 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

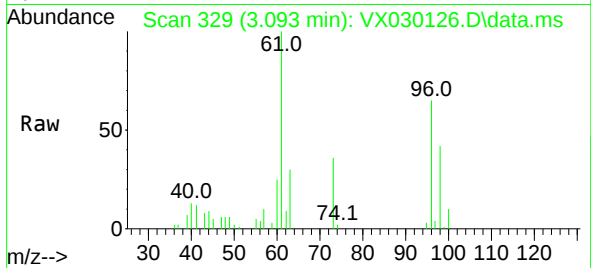
Tgt Ion: 84 Resp: 7536
Ion Ratio Lower Upper
84 100
86 66.9 44.8 83.2
49 113.7 80.6 149.6





#17
trans-1,2-Dichloroethene
Concen: 2.343 ug/L
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

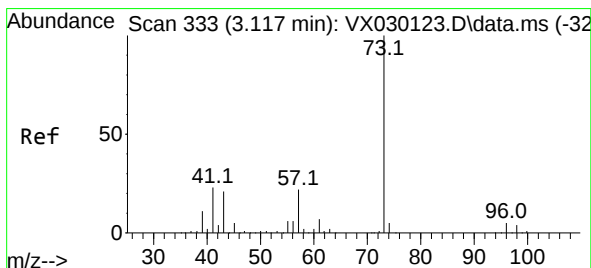
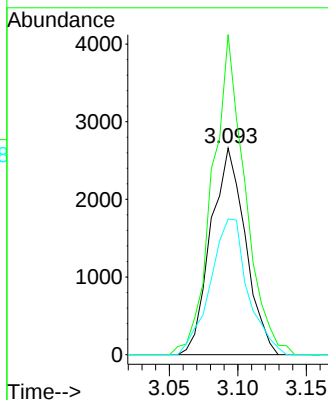
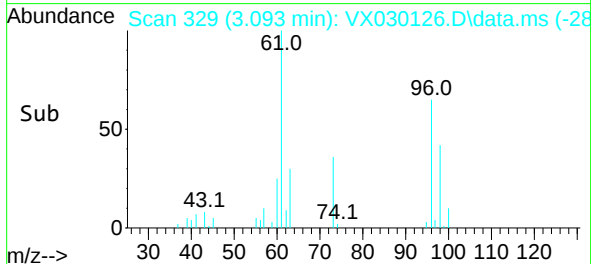
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 96 Resp: 4672
Ion Ratio Lower Upper
96 100
61 154.9 90.4 168.0
98 65.7 43.8 81.4

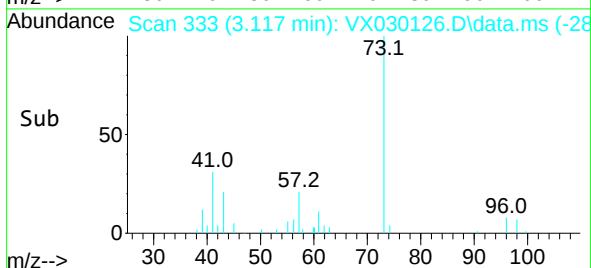
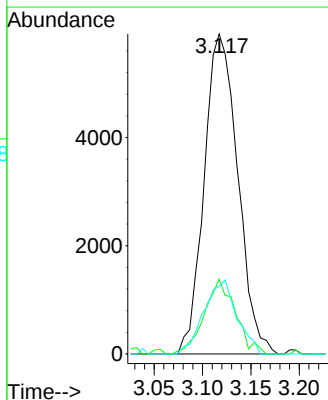
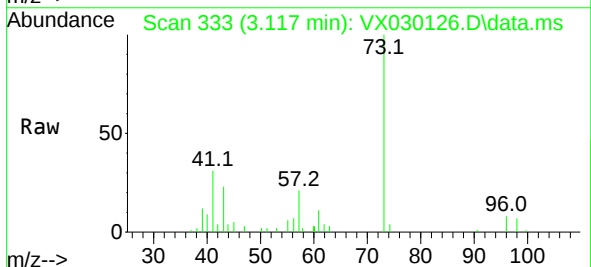
Manual Integrations
APPROVED

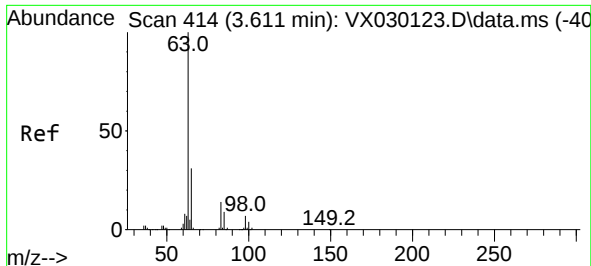
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#18
Methyl tert-butyl Ether
Concen: 2.327 ug/L
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Tgt Ion: 73 Resp: 14296
Ion Ratio Lower Upper
73 100
43 20.9 16.2 24.4
57 22.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.442 ug/L

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

Lab File: VX030126.D

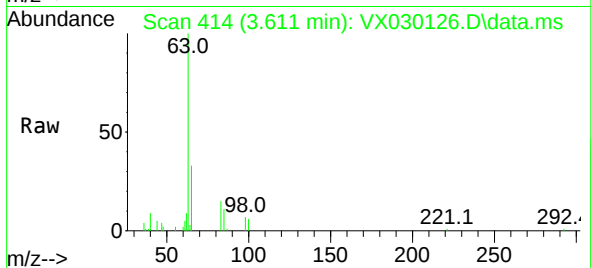
Acq: 20 Jul 2022 11:45

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04



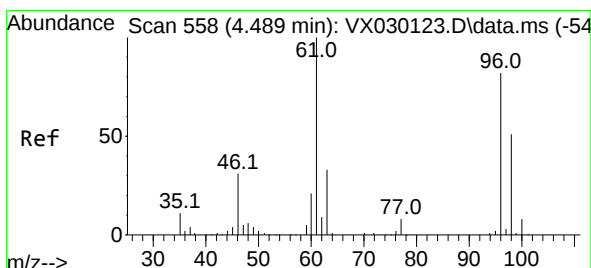
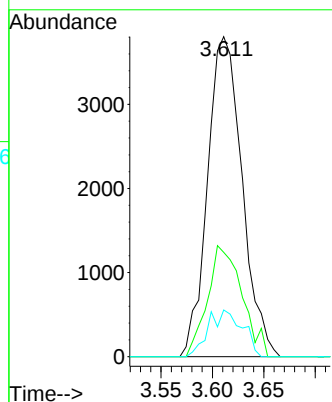
Tgt Ion:	63	Resp:	890
Ion Ratio	100	Lower	Upper
63	100		
65	32.6	23.4	43.6
83	14.6	9.3	17.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2022

Supervised By :Mahesh Dadoda 07/22/2022



#20

cis-1,2-Dichloroethene

Concen: 2.504 ug/L

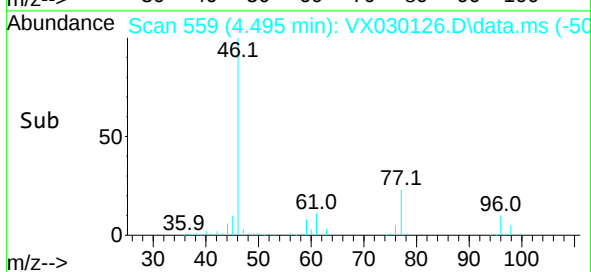
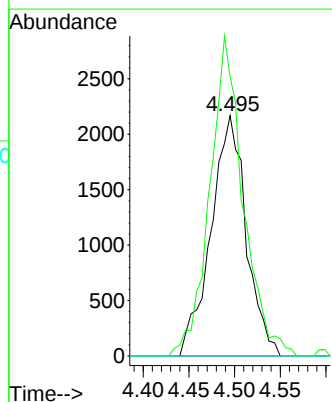
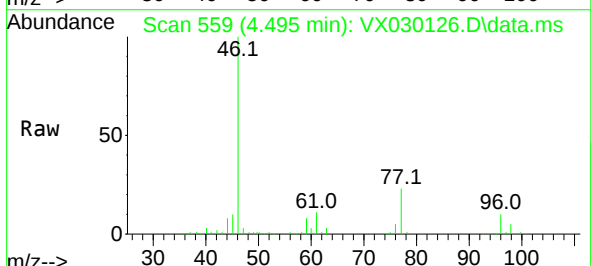
RT: 4.495 min Scan# 559

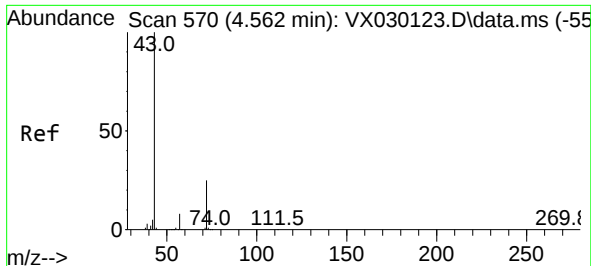
Delta R.T. 0.006 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Tgt Ion:	96	Resp:	5799
Ion Ratio	100	Lower	Upper
96	100		
61	116.1	82.1	152.5
68	0.0	0.0	0.0





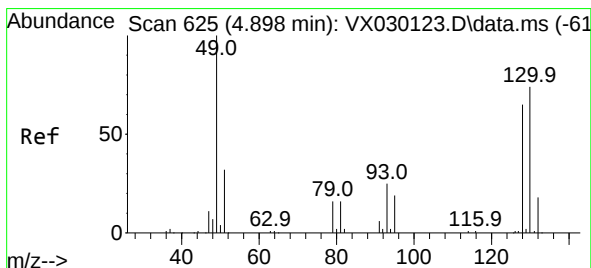
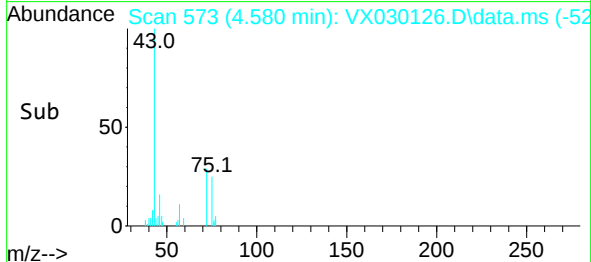
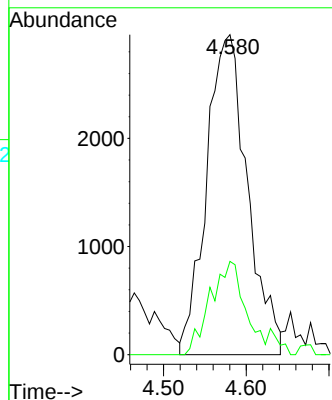
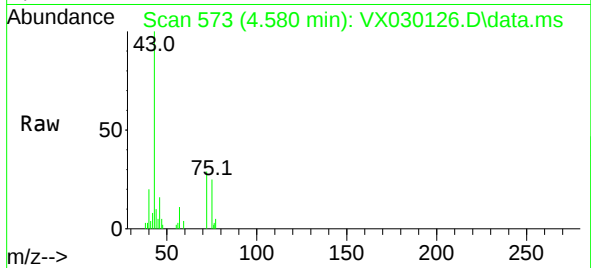
#22
2-Butanone
Concen: 5.116 ug/L m
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 43 Resp: 10170
Ion Ratio Lower Upper
43 100
72 24.7 13.1 39.3

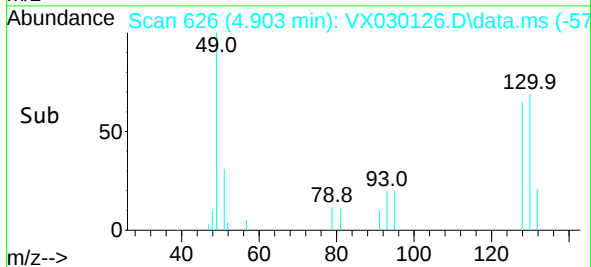
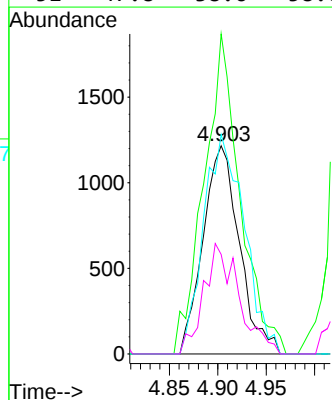
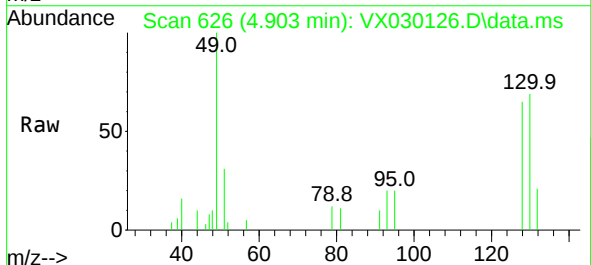
Manual Integrations
APPROVED

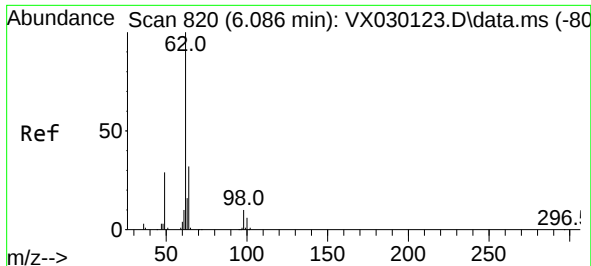
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#23
Bromochloromethane
Concen: 2.760 ug/L
RT: 4.903 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Tgt Ion:128 Resp: 3181
Ion Ratio Lower Upper
128 100
49 153.7 110.0 204.4
130 105.4 86.0 159.6
51 47.8 38.6 58.0





#27

1,2-Dichloroethane

Concen: 2.717 ug/L m

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

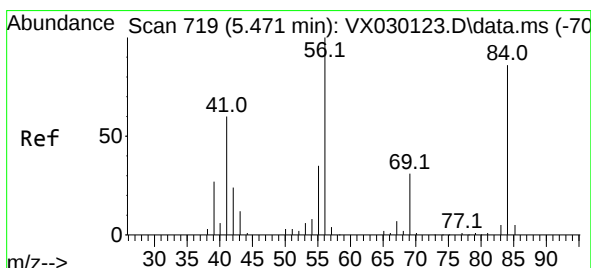
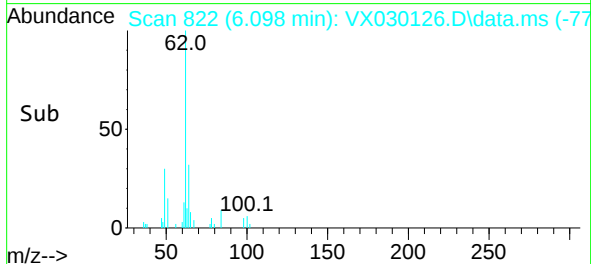
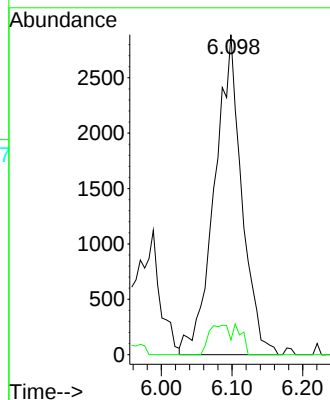
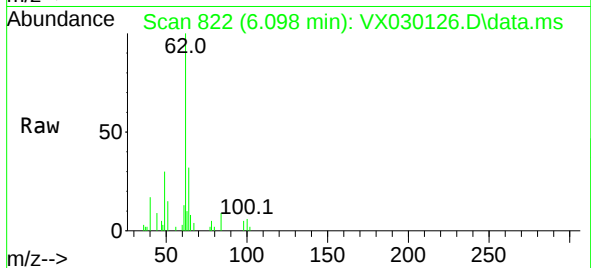
Tgt Ion: 62 Resp: 772
 Ion Ratio Lower Upper
 62 100
 98 4.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2022

Supervised By :Mahesh Dadoda 07/22/2022



#29

Cyclohexane

Concen: 2.345 ug/L

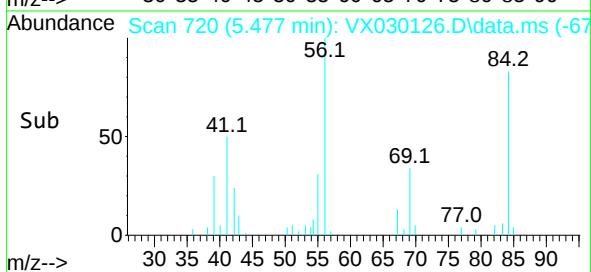
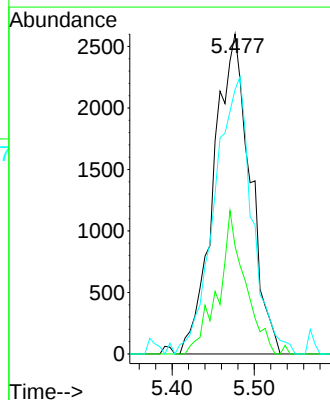
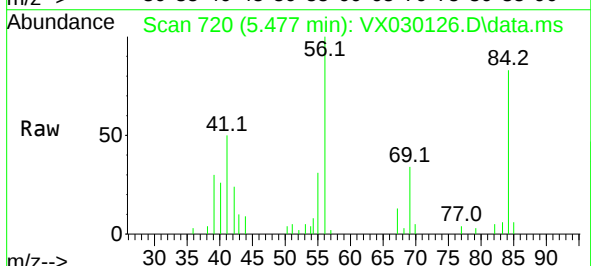
RT: 5.477 min Scan# 720

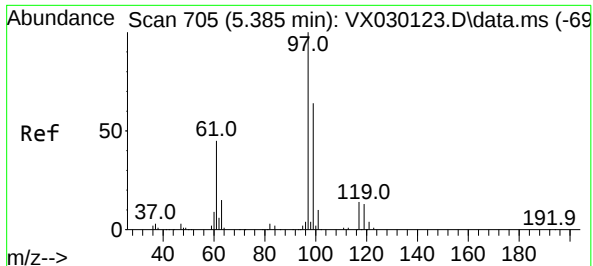
Delta R.T. 0.006 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Tgt Ion: 56 Resp: 7973
 Ion Ratio Lower Upper
 56 100
 69 33.0 24.2 36.2
 84 89.3 70.4 105.6





#30

1,1,1-Trichloroethane

Concen: 2.387 ug/L m

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

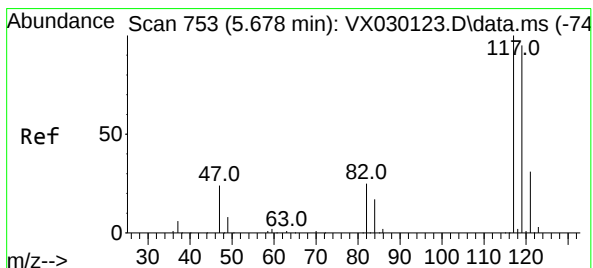
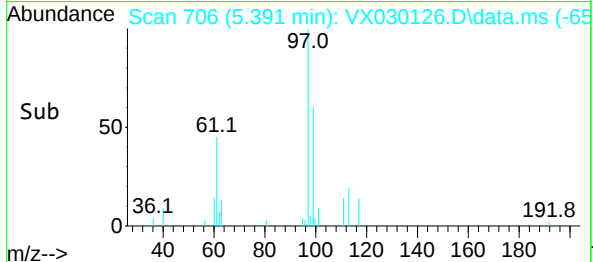
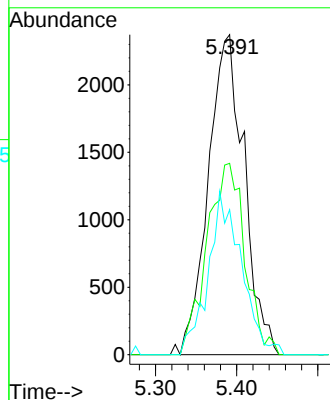
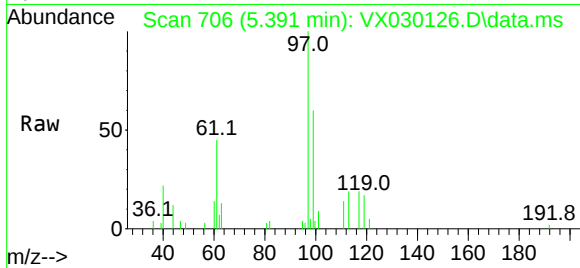
Tgt Ion: 97	Resp: 7280
Ion Ratio	Lower Upper
97 100	
99 62.3	51.2 76.8
61 46.6	36.8 55.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2022

Supervised By :Mahesh Dadoda 07/22/2022



#31

Carbon tetrachloride

Concen: 2.353 ug/L

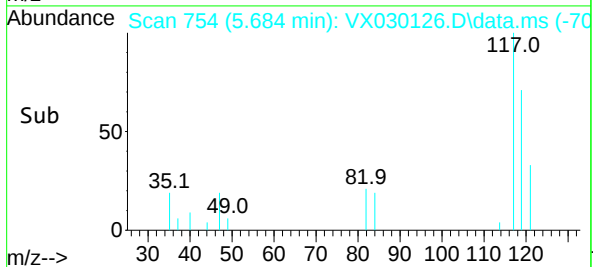
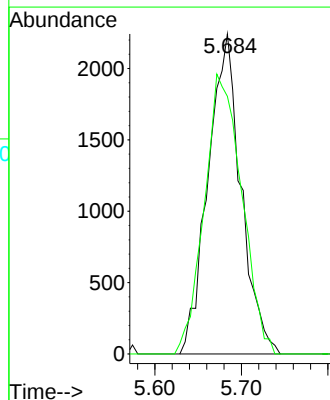
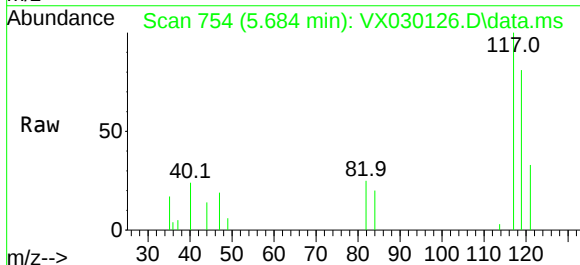
RT: 5.684 min Scan# 754

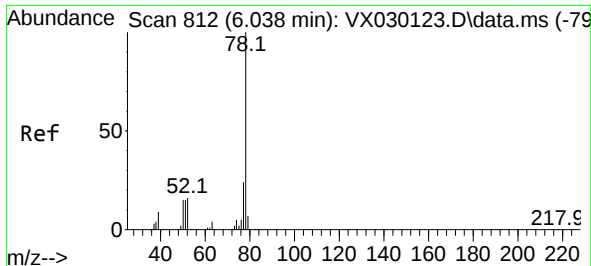
Delta R.T. 0.006 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Tgt Ion: 117	Resp: 5912
Ion Ratio	Lower Upper
117 100	
119 99.5	77.4 116.2





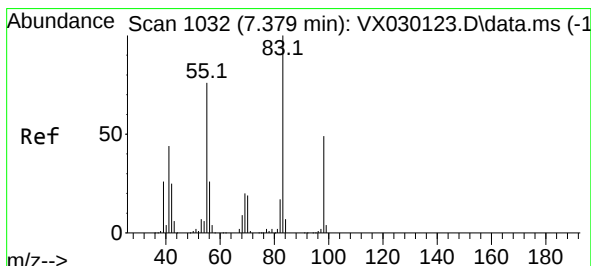
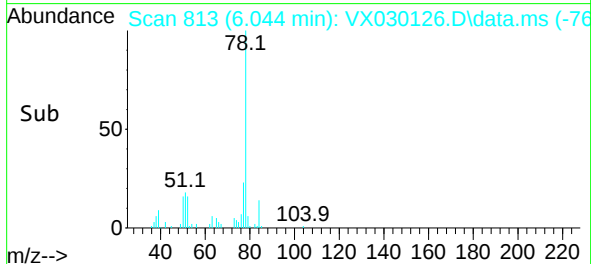
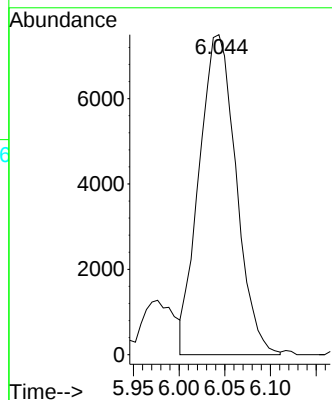
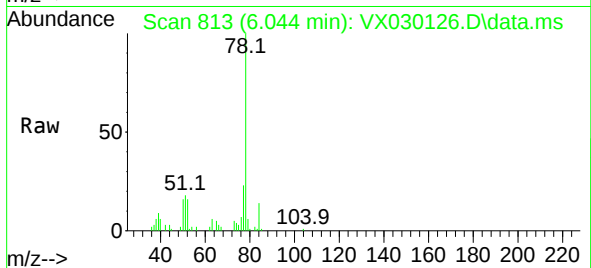
#33
Benzene
Concen: 2.445 ug/L
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 78 Resp: 21100

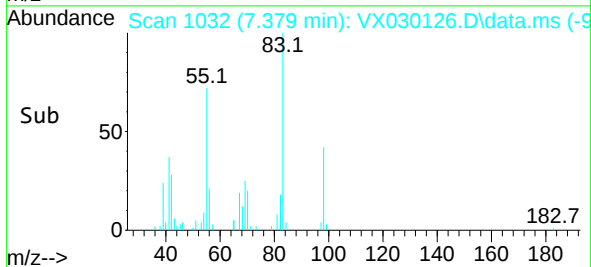
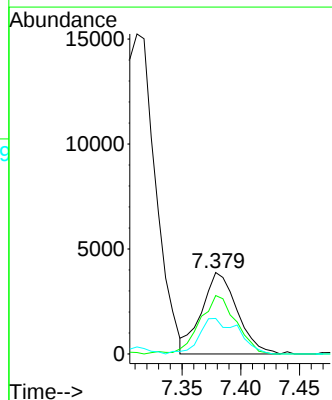
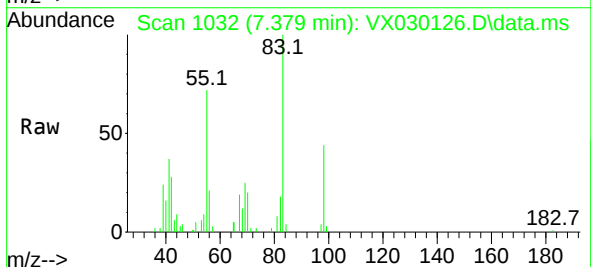
Manual Integrations
APPROVED

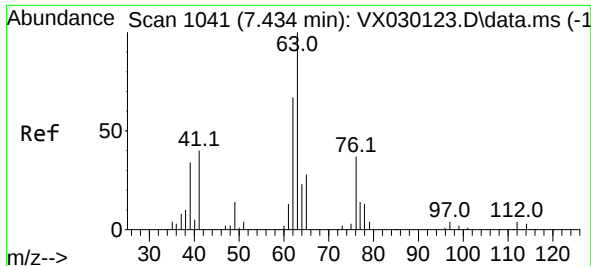
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#35
Methylcyclohexane
Concen: 2.351 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Tgt Ion: 83 Resp: 8176
Ion Ratio Lower Upper
83 100
55 71.9 59.7 89.5
98 35.1 37.0 55.6#





#37

1,2-Dichloropropane

Concen: 2.623 ug/L

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

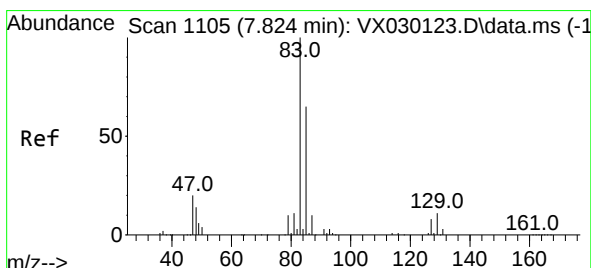
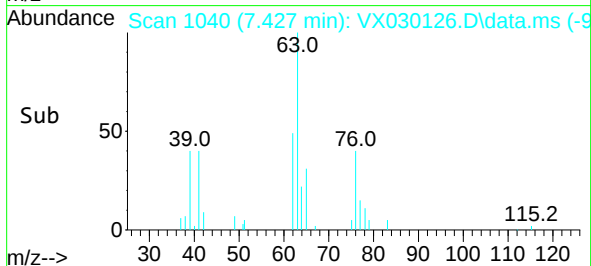
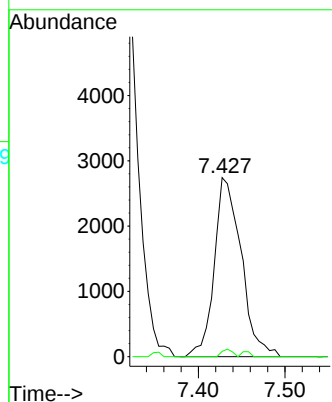
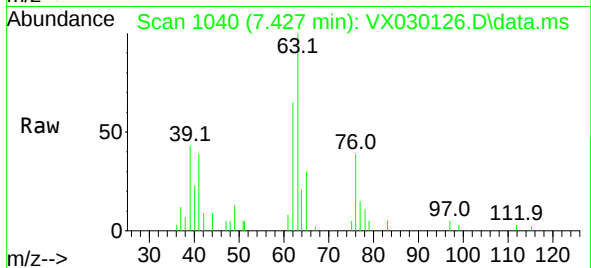
Tgt Ion: 63 Resp: 5924
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.1 4.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2022

Supervised By :Mahesh Dadoda 07/22/2022



#38

Bromodichloromethane

Concen: 2.484 ug/L

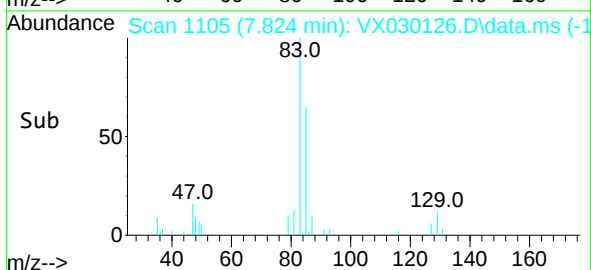
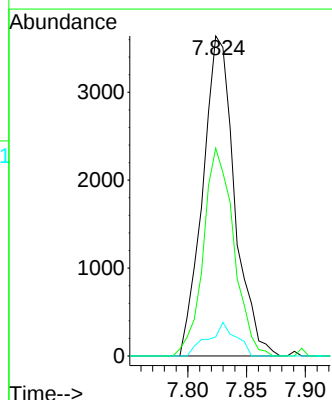
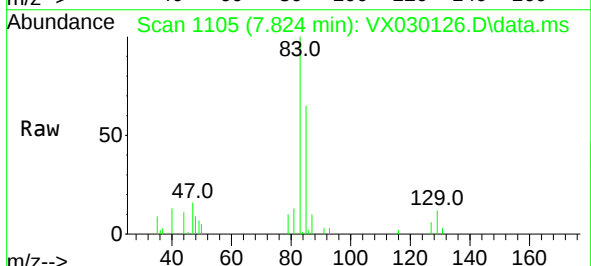
RT: 7.824 min Scan# 1105

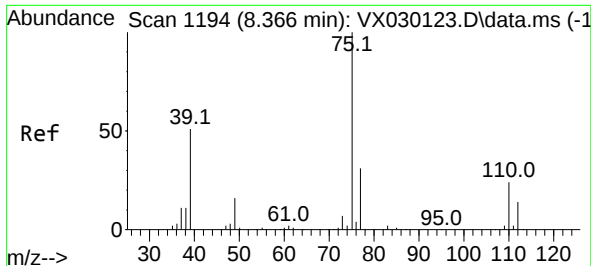
Delta R.T. -0.000 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Tgt Ion: 83 Resp: 6865
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.0 81.8
 127 6.0 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 2.017 ug/L

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX030126.D

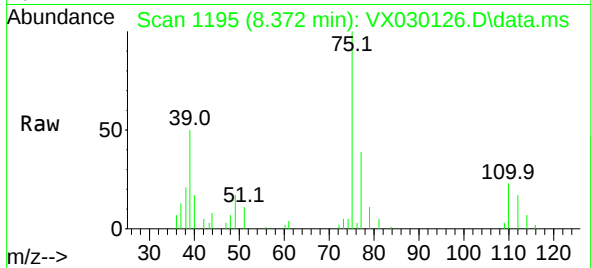
Acq: 20 Jul 2022 11:45

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 75 Resp: 651

Ion Ratio Lower Upper

75 100

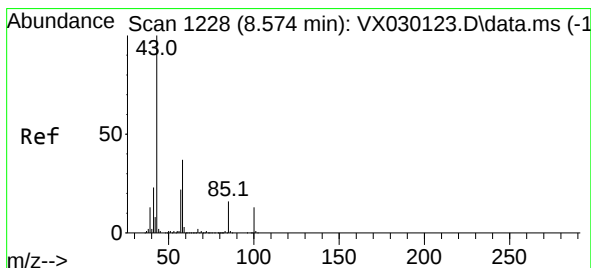
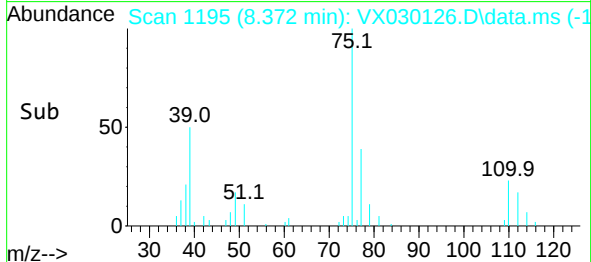
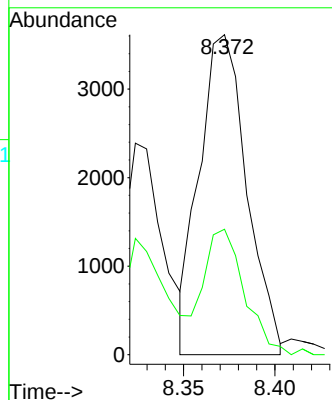
77 39.2 22.3 41.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2022

Supervised By :Mahesh Dadoda 07/22/2022



#40

4-Methyl-2-pentanone

Concen: 4.810 ug/L

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

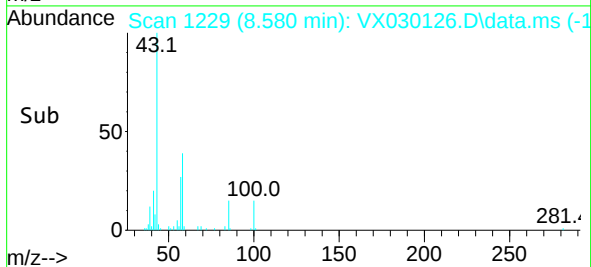
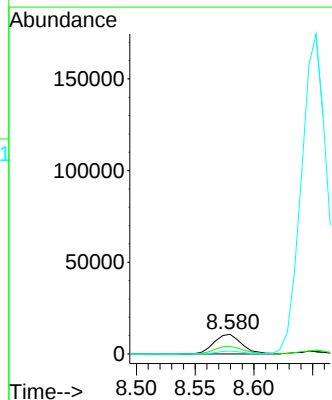
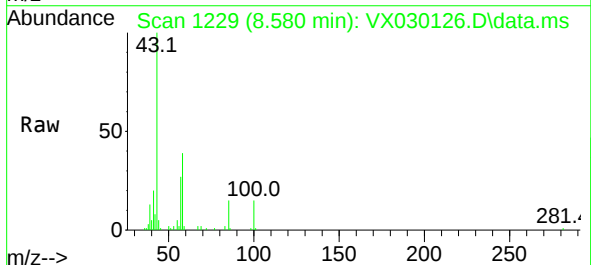
Tgt Ion: 43 Resp: 17673

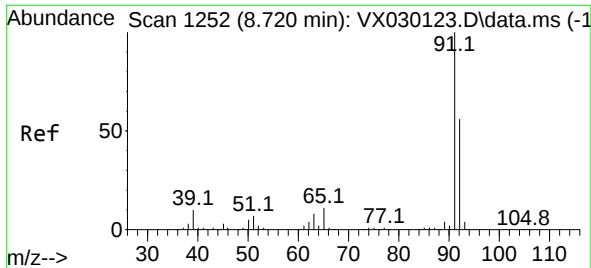
Ion Ratio Lower Upper

43 100

58 39.8 30.9 46.3

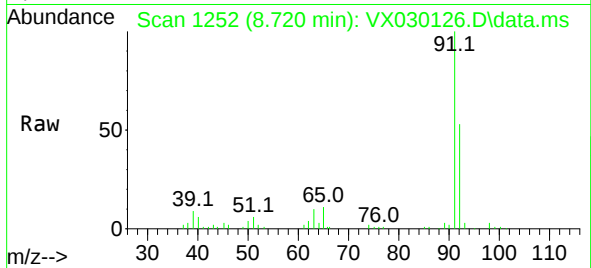
100 14.2 11.5 17.3





#42
Toluene
Concen: 2.535 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

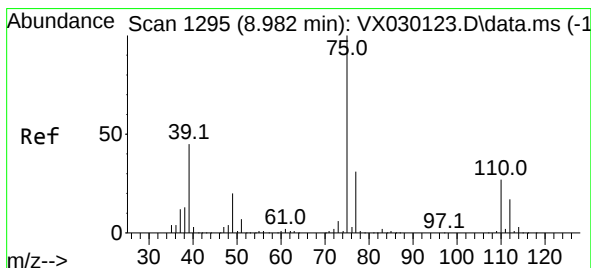
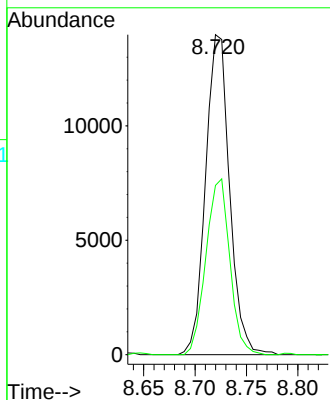
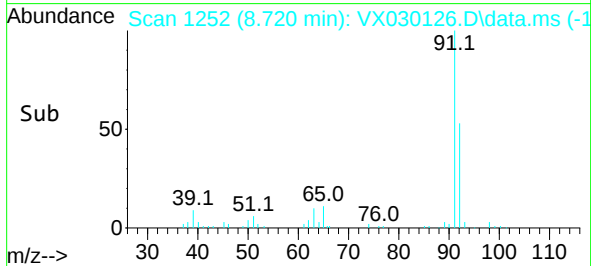
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



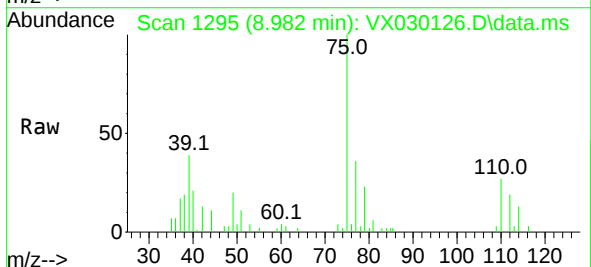
Tgt Ion: 91 Resp: 22715
Ion Ratio Lower Upper
91 100
92 52.9 39.6 73.6

Manual Integrations
APPROVED

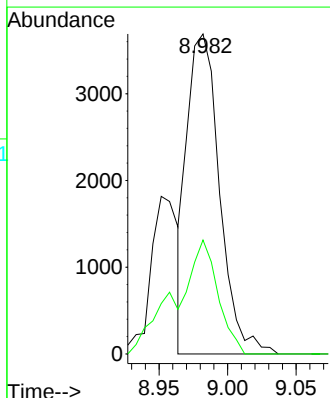
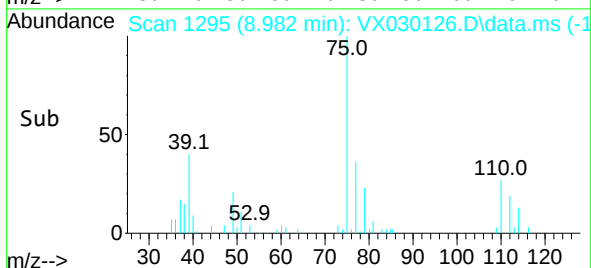
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022

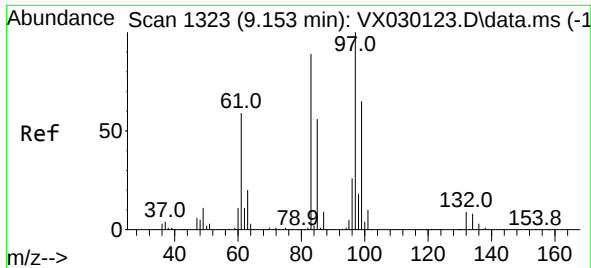


#44
trans-1,3-Dichloropropene
Concen: 2.010 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45



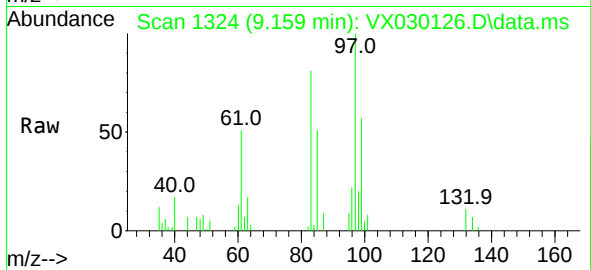
Tgt Ion: 75 Resp: 6079
Ion Ratio Lower Upper
75 100
77 35.6 22.2 41.2





#45
1,1,2-Trichloroethane
Concen: 2.535 ug/L
RT: 9.159 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

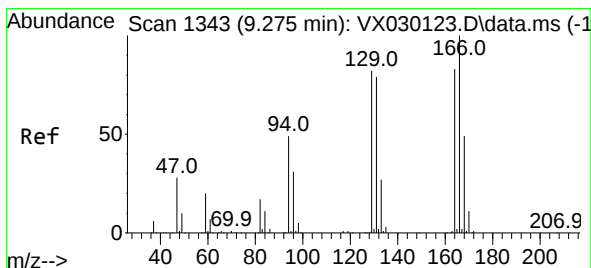
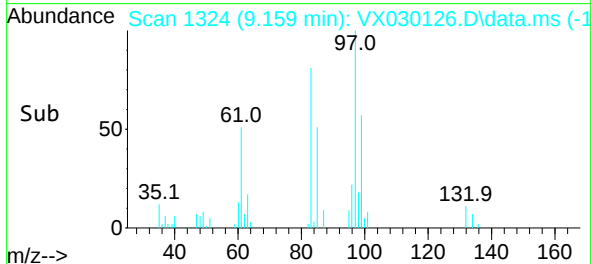
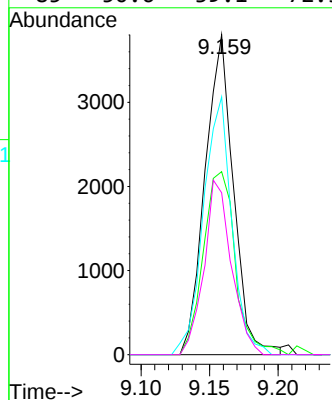
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



Tgt Ion:	97	Resp:	5479
Ion Ratio	100	Lower	Upper
97	100		
99	57.2	43.8	81.4
83	80.5	61.2	113.8
85	50.6	39.1	72.5

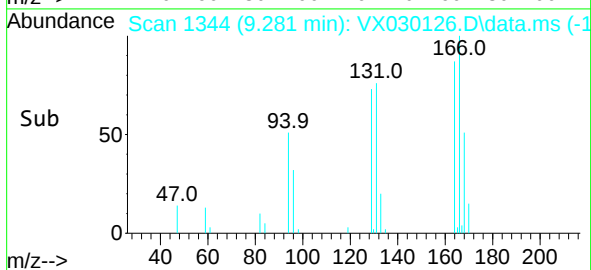
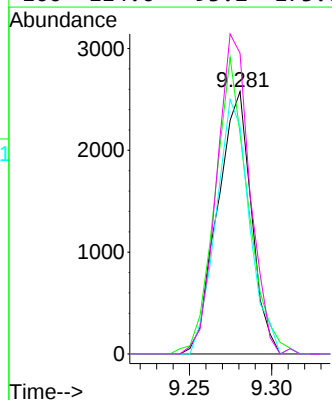
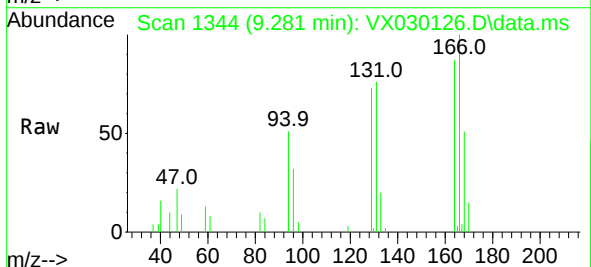
Manual Integrations
APPROVED

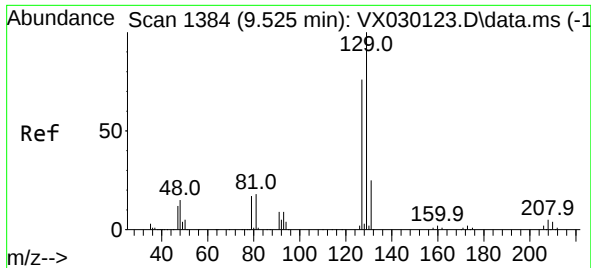
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#46
Tetrachloroethene
Concen: 2.298 ug/L
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

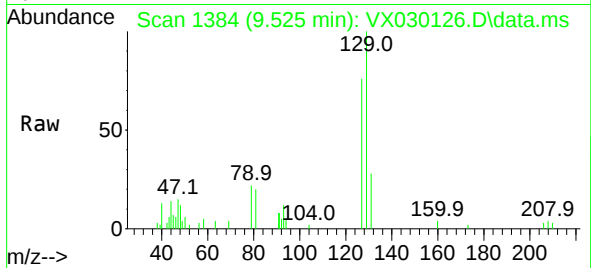
Tgt Ion:	164	Resp:	3681
Ion Ratio	100	Lower	Upper
164	100		
129	83.9	73.0	135.6
131	86.7	70.7	131.3
166	114.6	93.2	173.0





#49
 Dibromochloromethane
 Concen: 2.182 ug/L
 RT: 9.525 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VX030126.D
 Acq: 20 Jul 2022 11:45

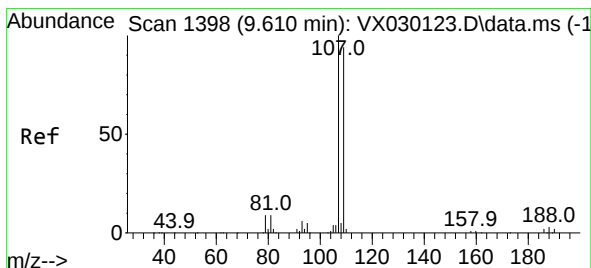
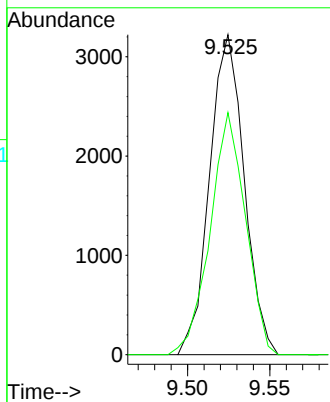
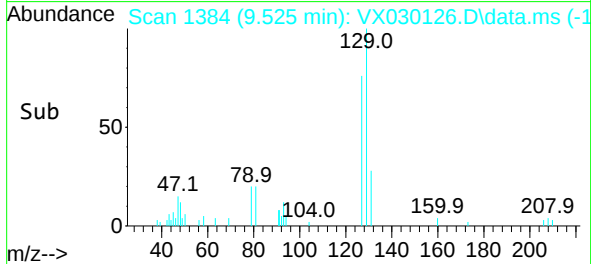
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT2-2022-04



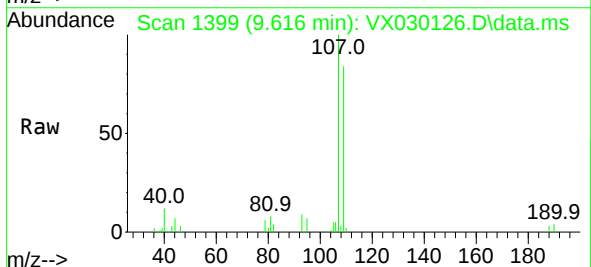
Tgt Ion:129 Resp: 4720
 Ion Ratio Lower Upper
 129 100
 127 75.6 53.6 99.6

Manual Integrations
 APPROVED

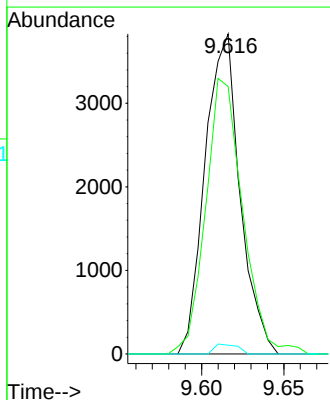
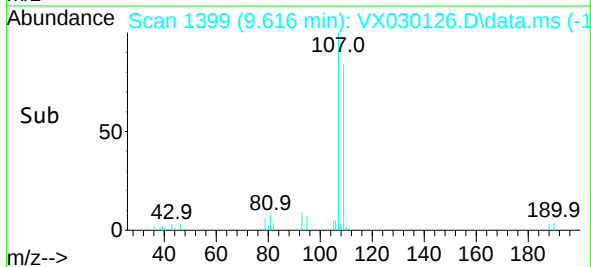
Reviewed By :John Carlone 07/21/2022
 Supervised By :Mahesh Dadoda 07/22/2022

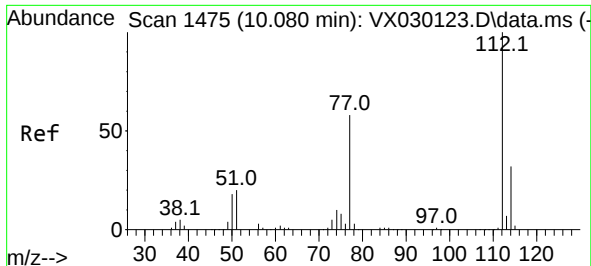


#50
 1,2-Dibromoethane
 Concen: 2.460 ug/L
 RT: 9.616 min Scan# 1399
 Delta R.T. 0.006 min
 Lab File: VX030126.D
 Acq: 20 Jul 2022 11:45



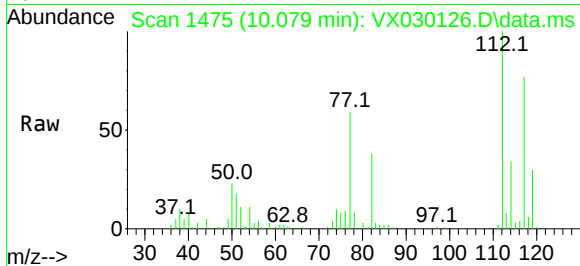
Tgt Ion:107 Resp: 5646
 Ion Ratio Lower Upper
 107 100
 109 83.6 66.9 124.3
 188 2.7 2.4 3.6





#51
Chlorobenzene
Concen: 2.422 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

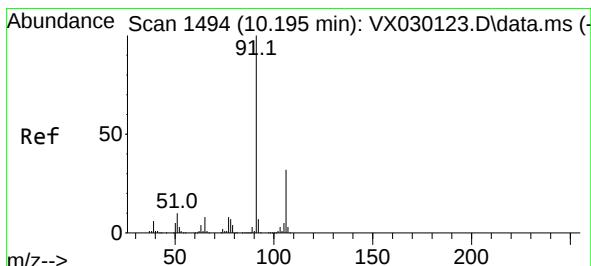
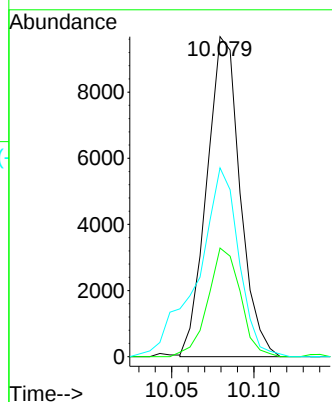
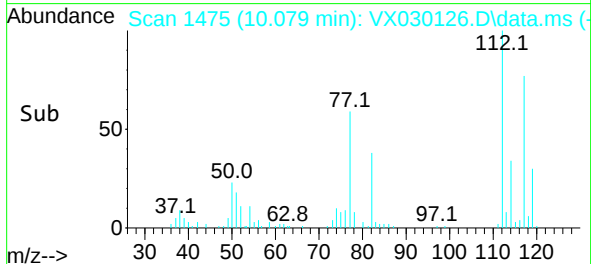
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 112 Resp: 13630
Ion Ratio Lower Upper
112 100
114 34.0 23.4 43.4
77 59.0 46.7 70.1

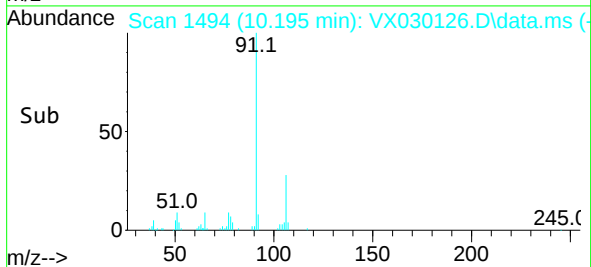
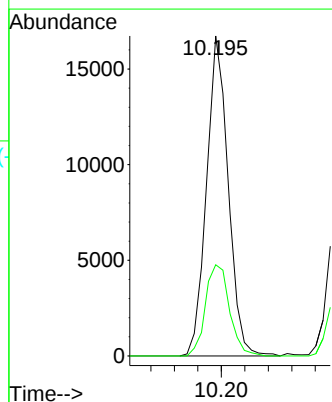
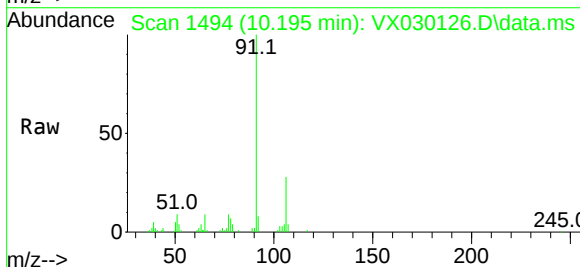
Manual Integrations
APPROVED

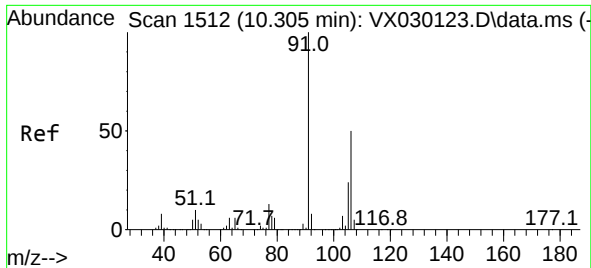
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#52
Ethylbenzene
Concen: 2.244 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Tgt Ion: 91 Resp: 21432
Ion Ratio Lower Upper
91 100
106 28.5 21.7 40.3





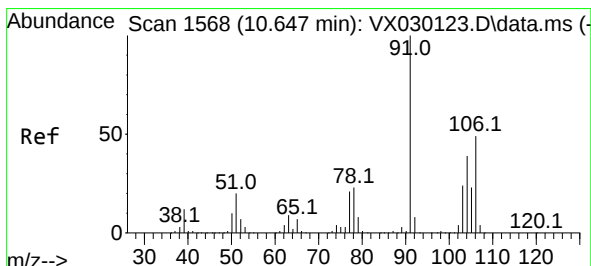
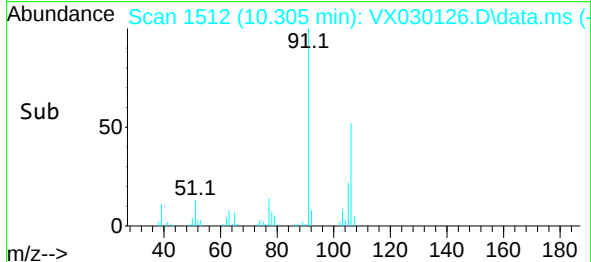
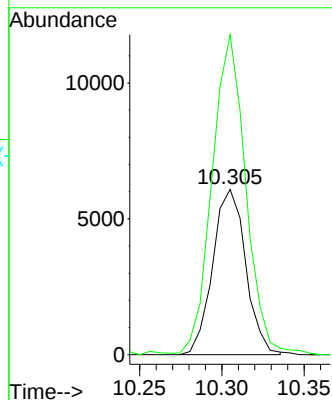
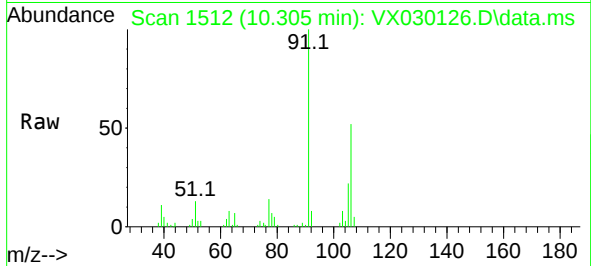
#53
m,p-Xylene
Concen: 2.280 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

Tgt Ion:106 Resp: 849
Ion Ratio Lower Upper
106 100
91 193.6 139.7 259.5

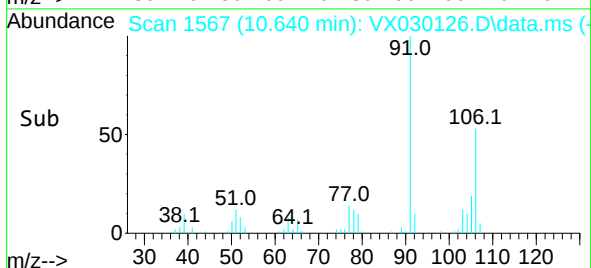
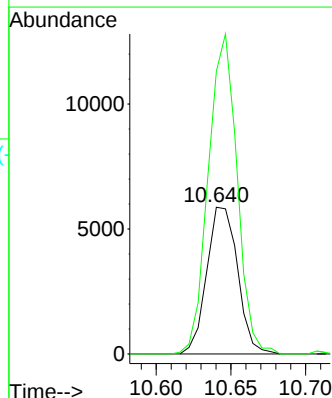
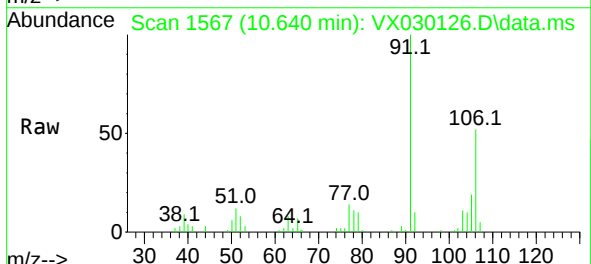
Manual Integrations
APPROVED

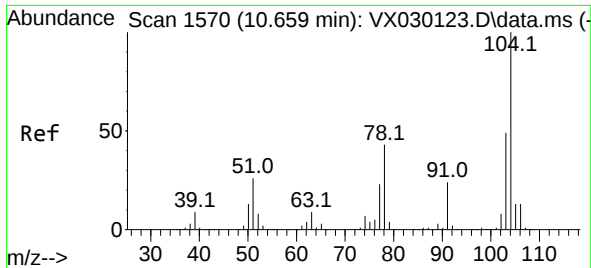
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#54
o-Xylene
Concen: 2.338 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Tgt Ion:106 Resp: 8453
Ion Ratio Lower Upper
106 100
91 192.6 149.4 277.4





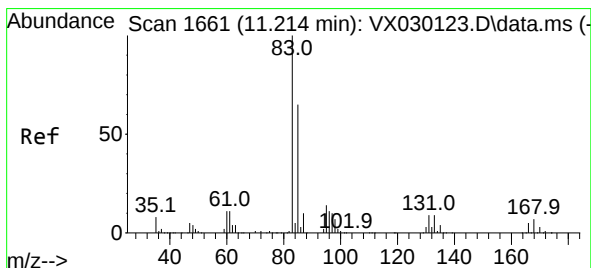
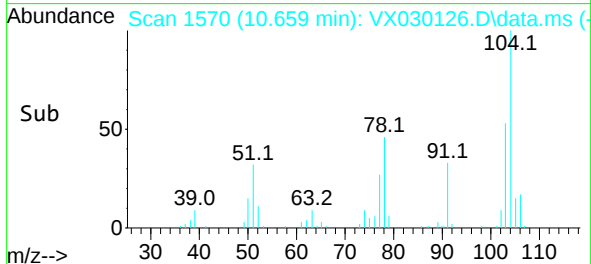
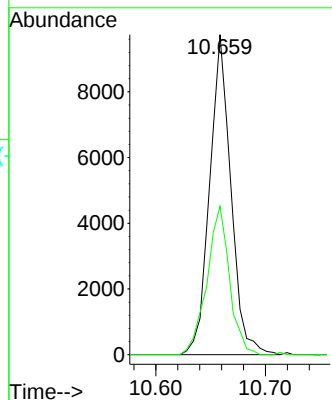
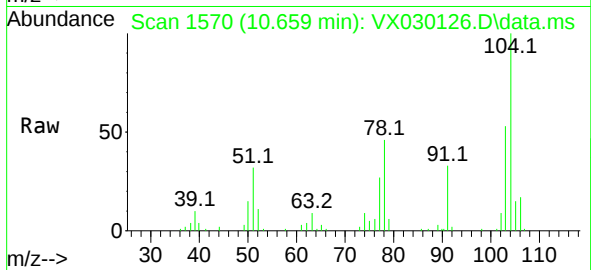
#55
Styrene
Concen: 2.103 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

Tgt Ion:104 Resp: 1310
Ion Ratio Lower Upper
104 100
78 46.4 30.3 56.3

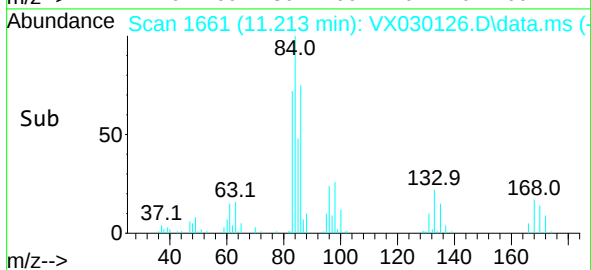
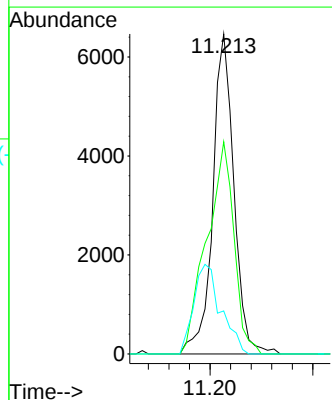
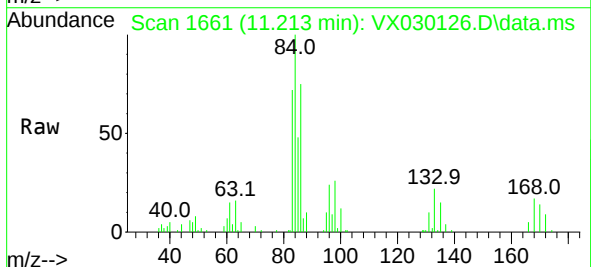
Manual Integrations
APPROVED

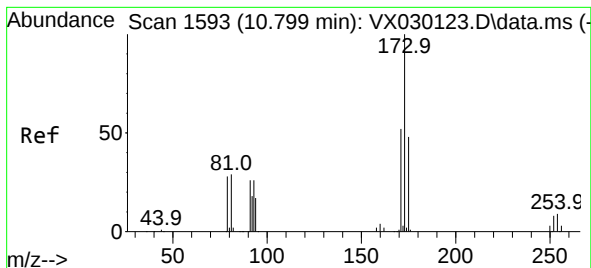
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#57
1,1,2,2-Tetrachloroethane
Concen: 2.705 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Tgt Ion: 83 Resp: 9229
Ion Ratio Lower Upper
83 100
85 66.3 44.7 83.1
131 13.5 7.2 10.8#





#59

Bromoform

Concen: 2.312 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX030126.D

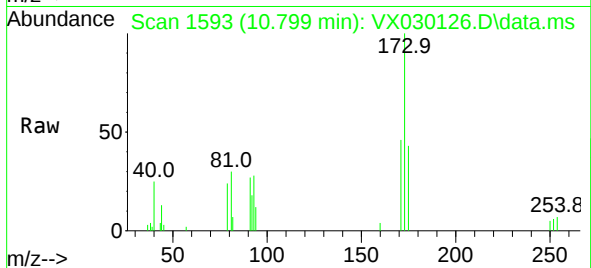
Acq: 20 Jul 2022 11:45

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04



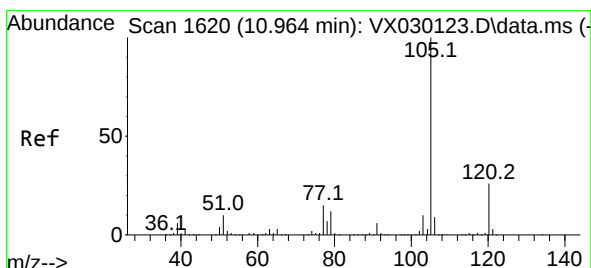
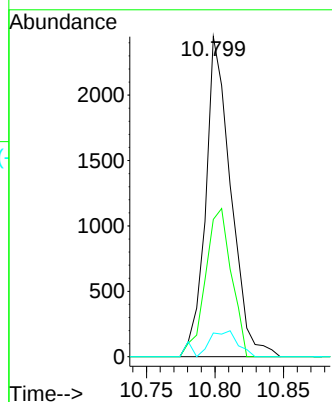
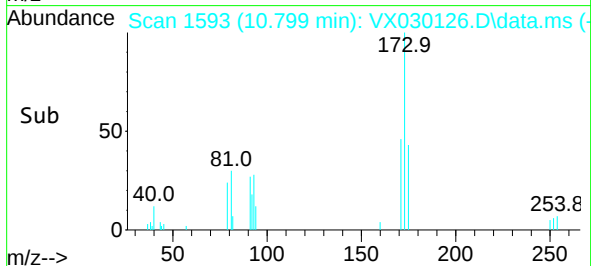
Tgt Ion:	173	Resp:	313
Ion Ratio	Lower	Upper	
173	100		
175	47.7	37.8	56.6
254	8.7	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2022

Supervised By :Mahesh Dadoda 07/22/2022



#60

Isopropylbenzene

Concen: 2.392 ug/L

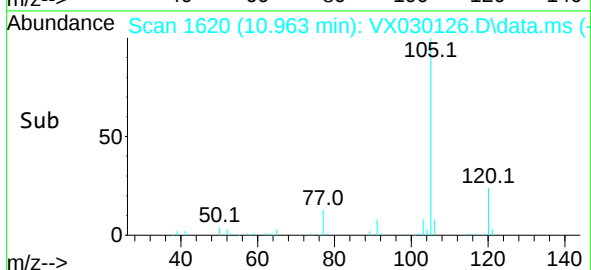
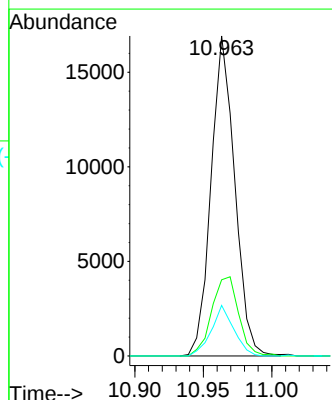
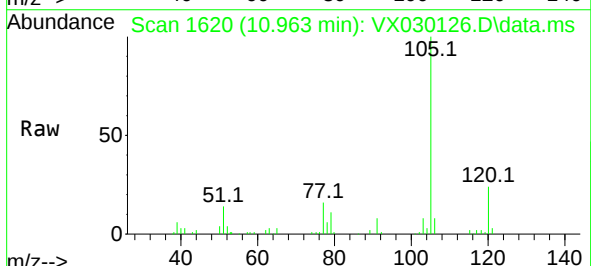
RT: 10.963 min Scan# 1620

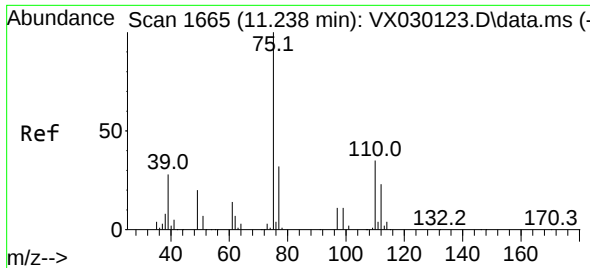
Delta R.T. -0.000 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Tgt Ion:	105	Resp:	20335
Ion Ratio	Lower	Upper	
105	100		
120	28.1	21.1	31.7
77	15.0	12.4	18.6





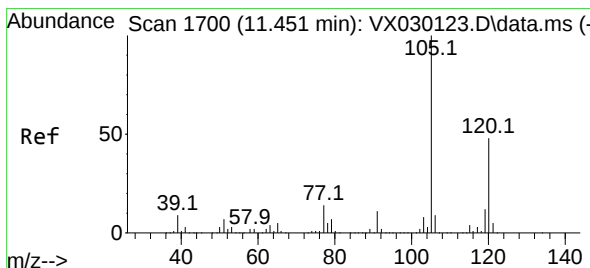
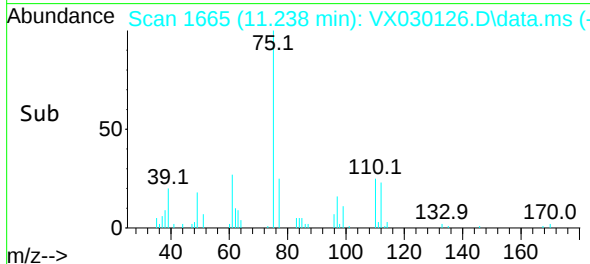
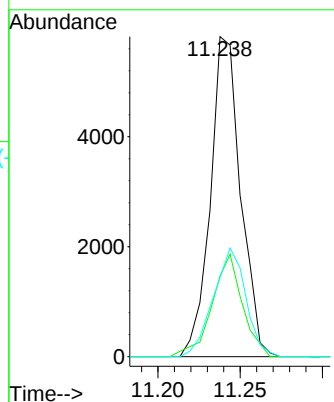
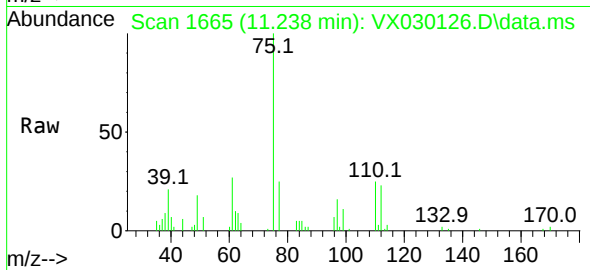
#61
1,2,3-Trichloropropane
Concen: 2.892 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 75 Resp: 744
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
110 36.3 30.2 45.2

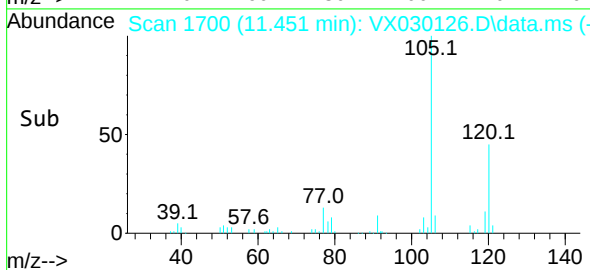
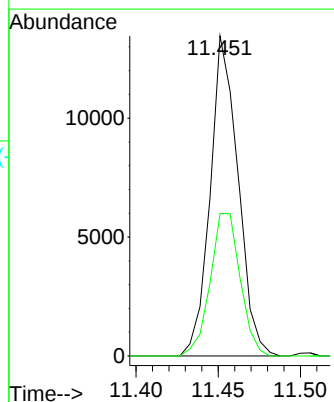
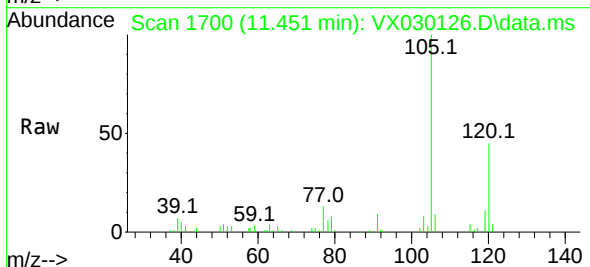
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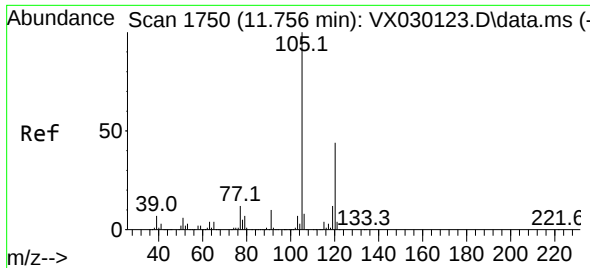
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#62
1,3,5-Trimethylbenzene
Concen: 2.255 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

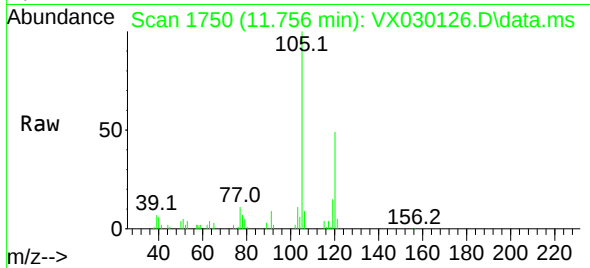
Tgt Ion:105 Resp: 15843
Ion Ratio Lower Upper
105 100
120 48.1 38.8 58.2





#63
1,2,4-Trimethylbenzene
Concen: 2.136 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

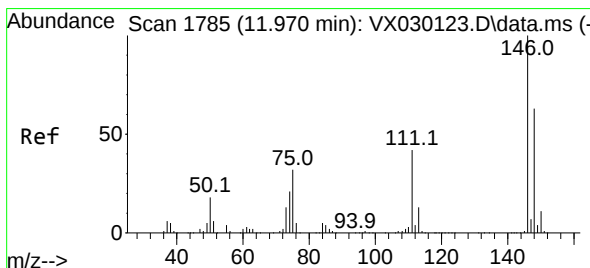
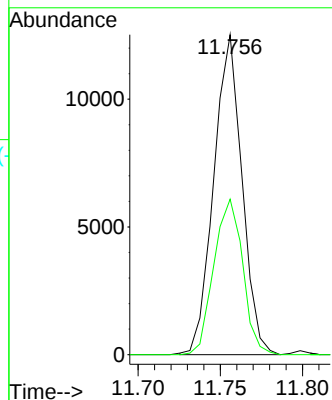
Instrument : MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



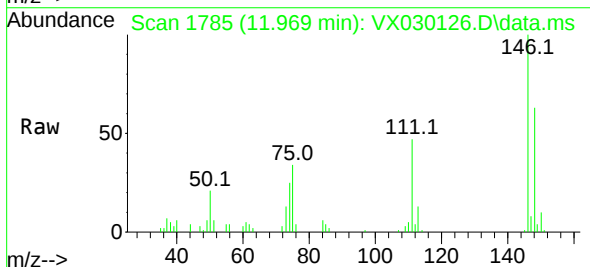
Tgt Ion:105 Resp: 14962
Ion Ratio Lower Upper
105 100
120 49.6 36.2 54.4

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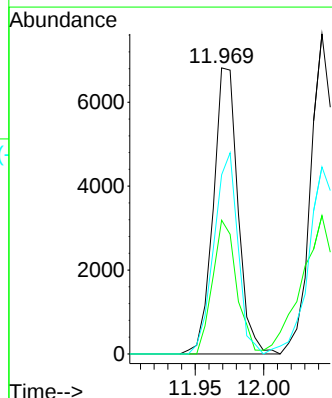
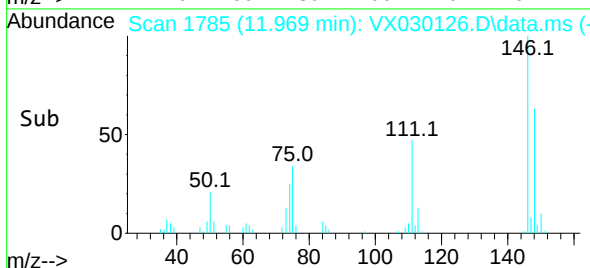
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022

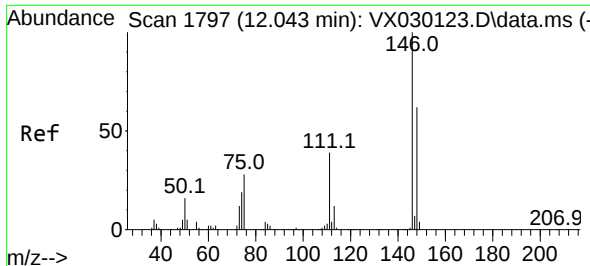


#64
1,3-Dichlorobenzene
Concen: 2.280 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45



Tgt Ion:146 Resp: 8526
Ion Ratio Lower Upper
146 100
111 46.8 28.4 52.8
148 62.6 43.6 81.0





#65

1,4-Dichlorobenzene

Concen: 2.507 ug/L

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

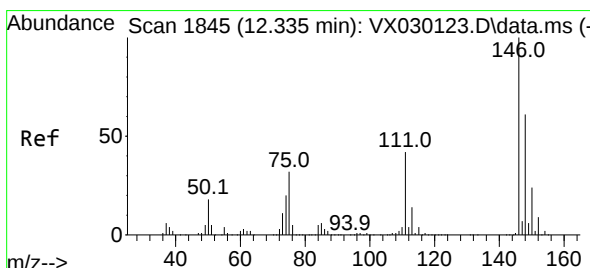
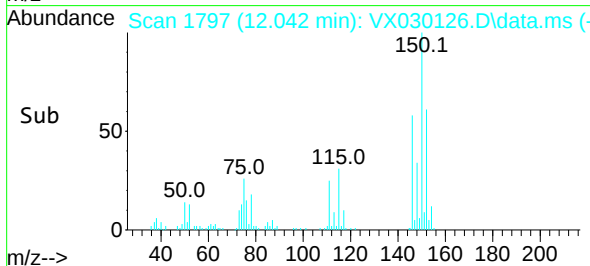
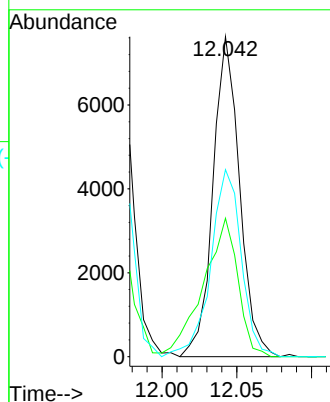
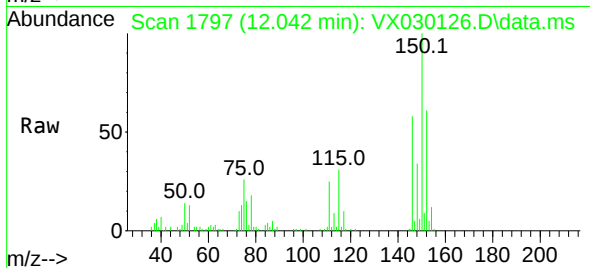
Tgt Ion:	146	Resp:	9428
Ion Ratio	Lower	Upper	
146	100		
111	43.3	27.0	50.2
148	58.5	43.8	81.3

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Reviewed By :John Carlone 07/21/2022

Supervised By :Mahesh Dadoda 07/22/2022



#67

1,2-Dichlorobenzene

Concen: 2.615 ug/L

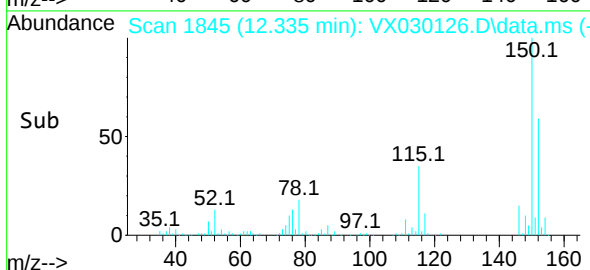
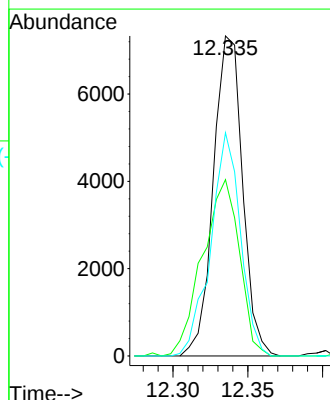
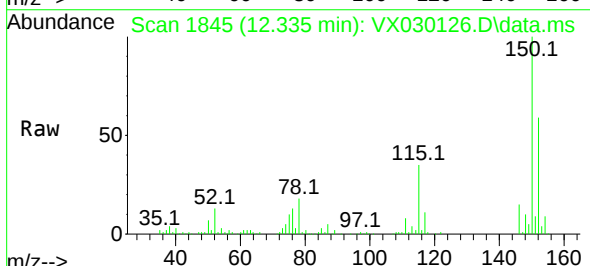
RT: 12.335 min Scan# 1845

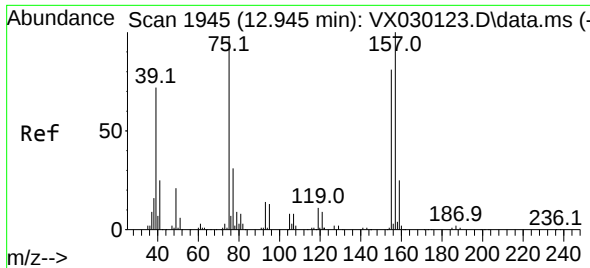
Delta R.T. -0.000 min

Lab File: VX030126.D

Acq: 20 Jul 2022 11:45

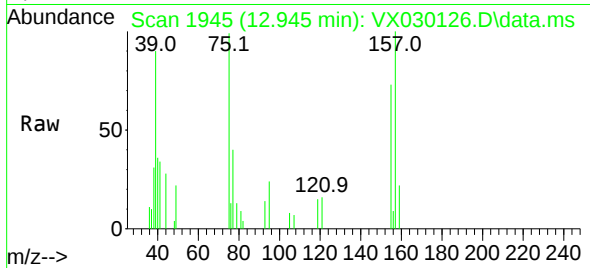
Tgt Ion:	146	Resp:	9948
Ion Ratio	Lower	Upper	
146	100		
111	55.1	35.4	53.0#
148	69.8	52.5	78.7





#68
1,2-Dibromo-3-chloropropane
Concen: 2.405 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

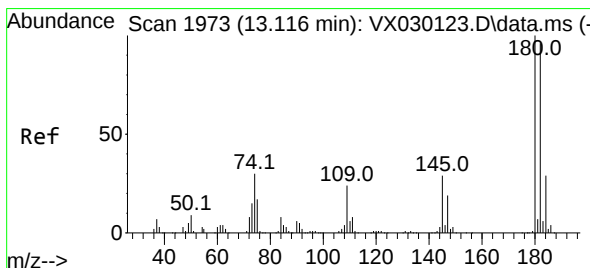
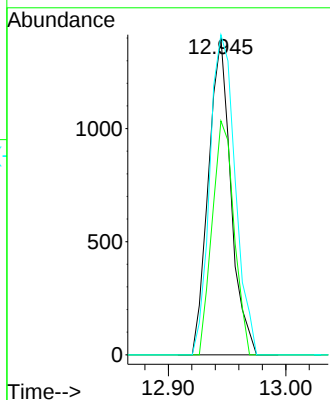
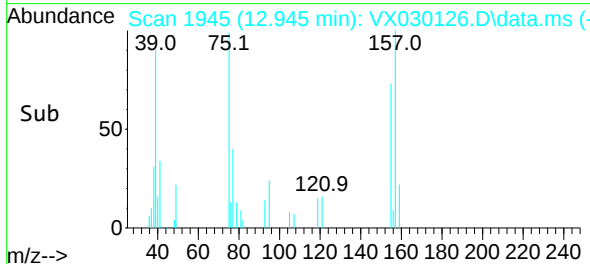
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



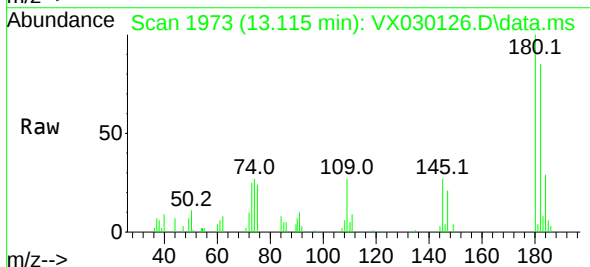
Tgt Ion: 75 Resp: 1859
Ion Ratio Lower Upper
75 100
155 73.6 63.6 95.4
157 100.8 81.8 122.8

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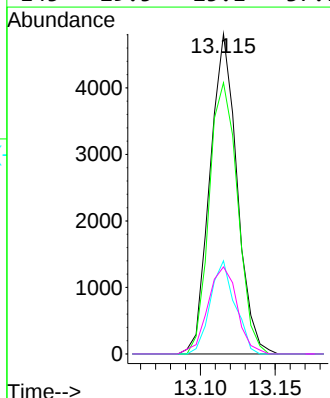
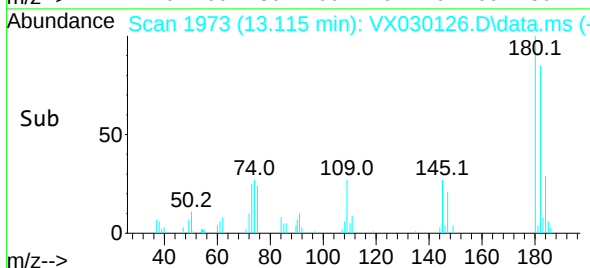
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022

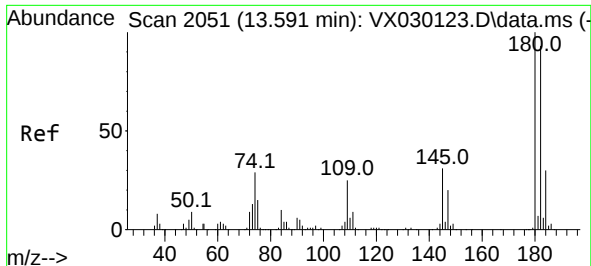


#69
1,3,5-Trichlorobenzene
Concen: 2.398 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45



Tgt Ion:180 Resp: 6055
Ion Ratio Lower Upper
180 100
182 88.7 75.1 112.7
184 26.7 23.8 35.6
145 29.5 25.1 37.7





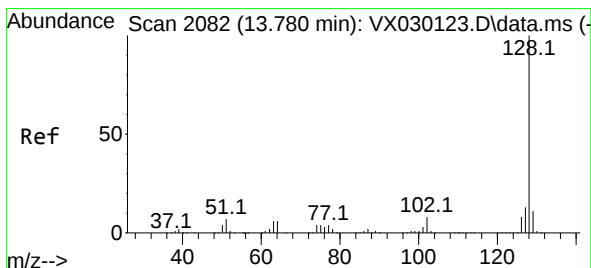
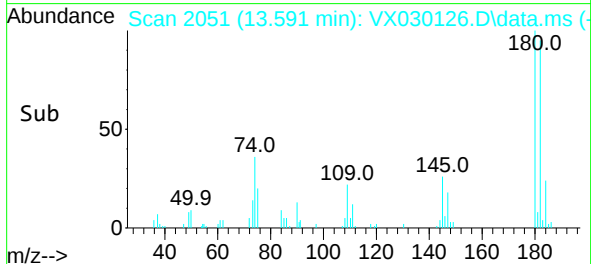
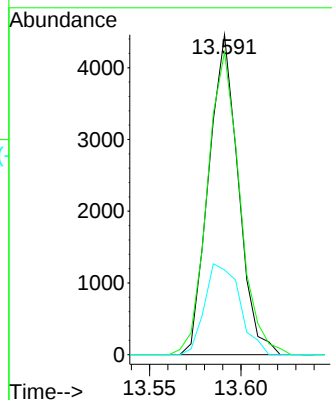
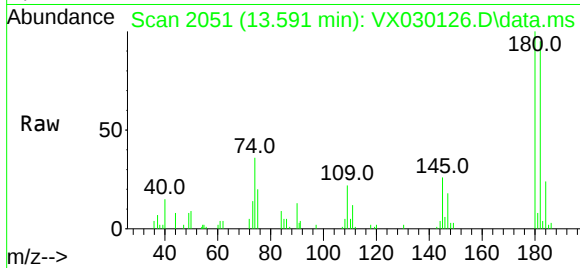
#70
1,2,4-trichlorobenzene
Concen: 2.267 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

Tgt Ion:180 Resp: 5029
Ion Ratio Lower Upper
180 100
182 103.0 75.2 112.8
145 33.7 26.2 39.2

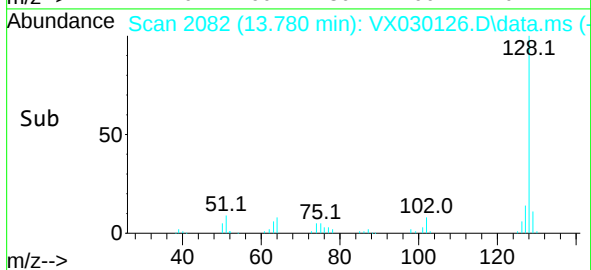
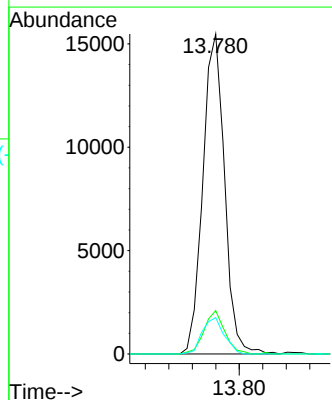
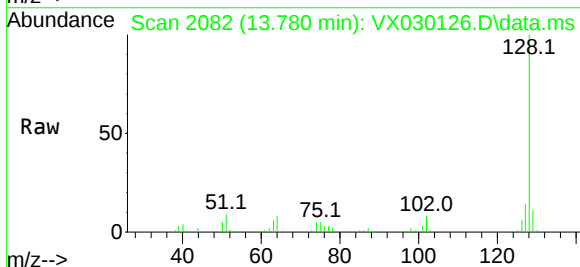
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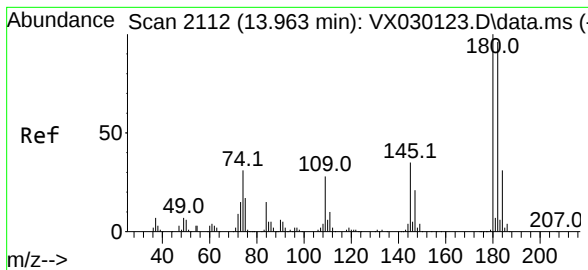
Reviewed By :John Carlone 07/21/2022
Supervised By :Mahesh Dadoda 07/22/2022



#71
Naphthalene
Concen: 2.190 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030126.D
Acq: 20 Jul 2022 11:45

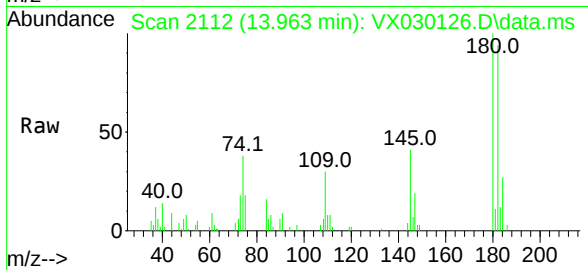
Tgt Ion:128 Resp: 19857
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.5 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.273 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX030126.D
 Acq: 20 Jul 2022 11:45

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT2-2022-04



Tgt Ion:	180	Resp:	535
Ion Ratio	Lower	Upper	
180	100		
182	97.8	75.9	113.9
145	36.3	28.0	42.0

Manual Integrations
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Reviewed By :John Carlone 07/21/2022
 Supervised By :Mahesh Dadoda 07/22/2022

