

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071922\
 Data File : VX030119.D
 Acq On : 19 Jul 2022 16:14
 Operator : JC/MD
 Sample : N3670-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-03

Quant Time: Jul 20 08:51:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 20 07:48:58 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/20/2022
 Supervised By : Mahesh Dadoda 07/20/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	281699	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	251681	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	120950	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	101637	46.256	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.520%
7) Chloroethane-d5	1.666	69	77522	50.983	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.960%
11) 1,1-Dichloroethene-d2	2.306	63	161789	38.067	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.140%
21) 2-Butanone-d5	4.458	46	223531	103.445	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.440%
24) Chloroform-d	5.062	84	212360	47.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.958	65	135321	48.488	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.980%
32) Benzene-d6	5.976	84	468721	50.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.180%
36) 1,2-Dichloropropane-d6	7.311	67	150043	50.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.000%
41) Toluene-d8	8.652	98	412205	48.765	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.520%
43) trans-1,3-Dichloroprop...	8.951	79	60983	48.335	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.680%
47) 2-Hexanone-d5	9.384	63	157132	105.472	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.470%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	201145	50.739	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.480%
66) 1,2-Dichlorobenzene-d4	12.323	152	143272	51.101	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5156	2.186	ug/L	99
3) Chloromethane	1.288	50	4863	2.307	ug/L	96
5) Vinyl chloride	1.373	62	5563	2.531	ug/L #	69
6) Bromomethane	1.605	94	2698	2.721	ug/L	90
8) Chloroethane	1.684	64	2779	2.291	ug/L	99
9) Trichlorofluoromethane	1.885	101	5883	2.068	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.330	101	5808	2.888	ug/L	85
12) 1,1-Dichloroethene	2.318	96	5622	2.899	ug/L #	1
13) Acetone	2.391	43	6029	5.012	ug/L	100
14) Carbon disulfide	2.507	76	12624	2.313	ug/L	96
15) Methyl Acetate	2.715	43	6964	2.542	ug/L	95
16) Methylene chloride	2.794	84	7344	3.137	ug/L	97
17) trans-1,2-Dichloroethene	3.092	96	4822	2.337	ug/L	89
18) Methyl tert-butyl Ether	3.117	73	13546	2.131	ug/L	97
19) 1,1-Dichloroethane	3.617	63	8702	2.307	ug/L #	81
20) cis-1,2-Dichloroethene	4.495	96	4945m	2.064	ug/L	
22) 2-Butanone	4.574	43	9092	4.421	ug/L	91
23) Bromochloromethane	4.897	128	2505	2.101	ug/L #	86
27) 1,2-Dichloroethane	6.092	62	6822	2.320	ug/L #	93

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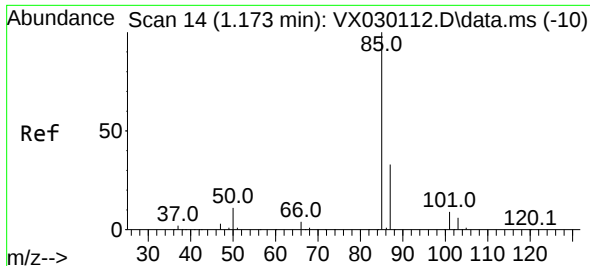
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.470	56	7581	2.196	ug/L	95
30) 1,1,1-Trichloroethane	5.391	97	6613	2.136	ug/L #	54
31) Carbon tetrachloride	5.684	117	5461	2.141	ug/L	98
33) Benzene	6.043	78	19580	2.234	ug/L	100
35) Methylcyclohexane	7.384	83	7795	2.208	ug/L	96
37) 1,2-Dichloropropane	7.439	63	5014	2.186	ug/L #	97
38) Bromodichloromethane	7.823	83	5778	2.059	ug/L #	87
39) cis-1,3-Dichloropropene	8.372	75	7070	2.156	ug/L	98
40) 4-Methyl-2-pentanone	8.579	43	16254	4.357	ug/L	99
42) Toluene	8.720	91	20731	2.278	ug/L	89
44) trans-1,3-Dichloropropene	8.988	75	6579m	2.143	ug/L	
45) 1,1,2-Trichloroethane	9.152	97	4669	2.127	ug/L	91
46) Tetrachloroethene	9.274	164	3768	2.317	ug/L	82
49) Dibromochloromethane	9.524	129	4426	2.015	ug/L	89
50) 1,2-Dibromoethane	9.616	107	4810	2.064	ug/L #	83
51) Chlorobenzene	10.079	112	12648	2.212	ug/L	96
52) Ethylbenzene	10.195	91	20194	2.082	ug/L	99
53) m,p-Xylene	10.305	106	7665	2.027	ug/L	89
54) o-Xylene	10.646	106	7444	2.028	ug/L	97
55) Styrene	10.658	104	12245	1.936	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	8455	2.441	ug/L	94
59) Bromoform	10.805	173	3119	2.208	ug/L	91
60) Isopropylbenzene	10.963	105	19325	2.180	ug/L	97
61) 1,2,3-Trichloropropane	11.237	75	6800	2.534	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	14953	2.041	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	14900	2.040	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	8899	2.282	ug/L	92
65) 1,4-Dichlorobenzene	12.042	146	9294	2.371	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	9237	2.329	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.950	75	1447	1.796	ug/L	93
69) 1,3,5-Trichlorobenzene	13.115	180	5529	2.100	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	5068	2.193	ug/L	95
71) Naphthalene	13.780	128	19268	2.038	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5179	2.109	ug/L	98

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

Manual Integrations

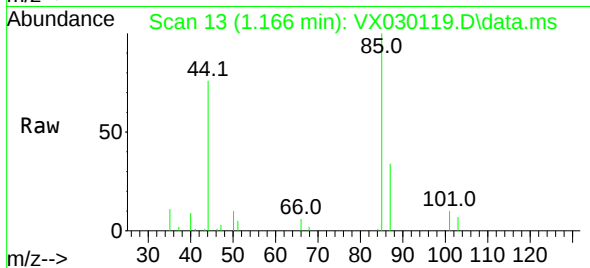
Quant Time: Jul 20 08:51:49 2022
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Quant Title : VOC Analysis
QLast Update : Wed Jul 20 07:48:58 2022
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#2
Dichlorodifluoromethane
Concen: 2.186 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

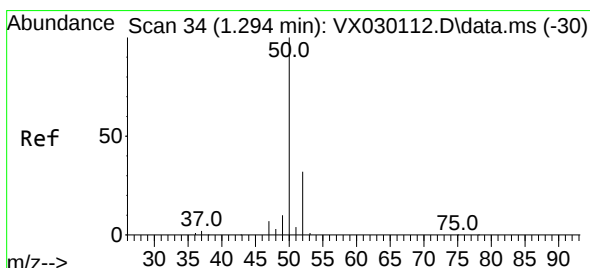
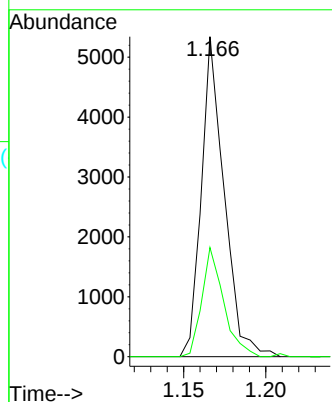
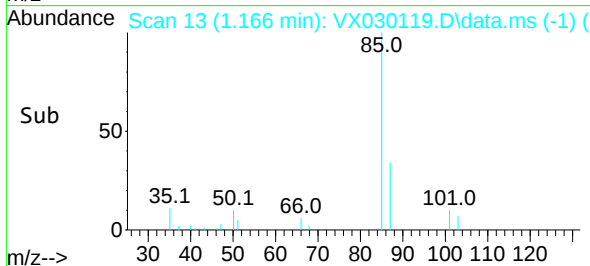
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 85 Resp: 5150
Ion Ratio Lower Upper
85 100
87 32.6 25.7 38.5

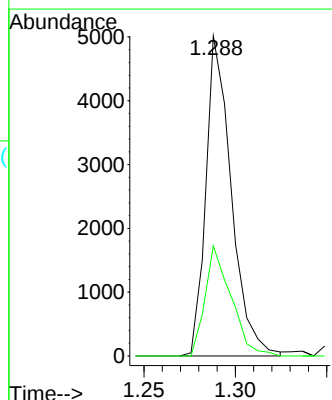
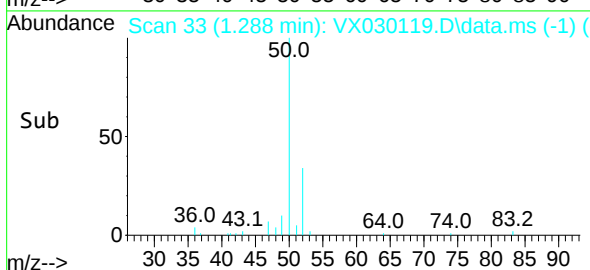
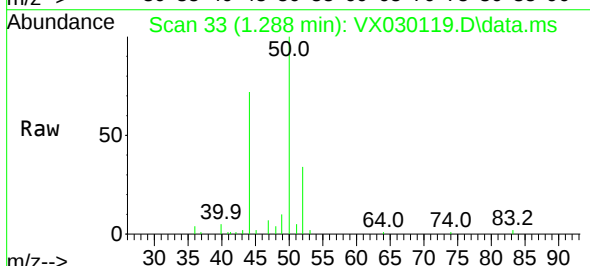
Manual Integrations
APPROVED

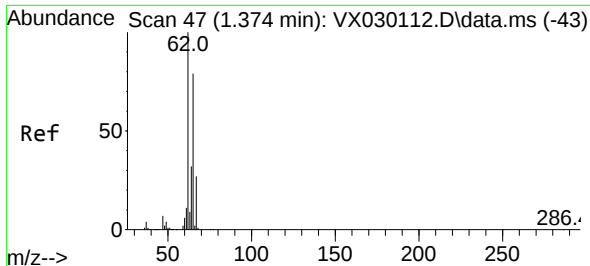
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#3
Chloromethane
Concen: 2.307 ug/L
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

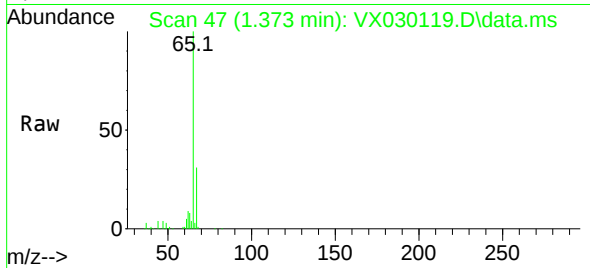
Tgt Ion: 50 Resp: 4863
Ion Ratio Lower Upper
50 100
52 34.4 22.6 42.0





#5
 Vinyl chloride
 Concen: 2.531 ug/L
 RT: 1.373 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030119.D
 Acq: 19 Jul 2022 16:14

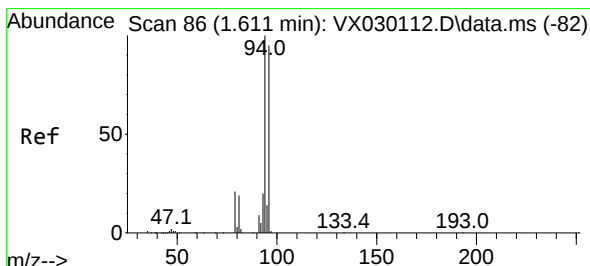
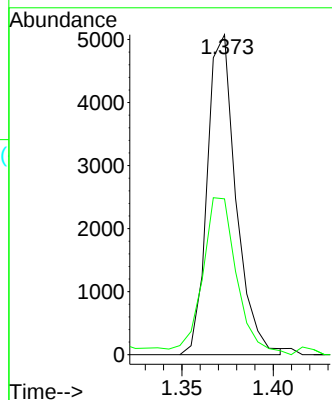
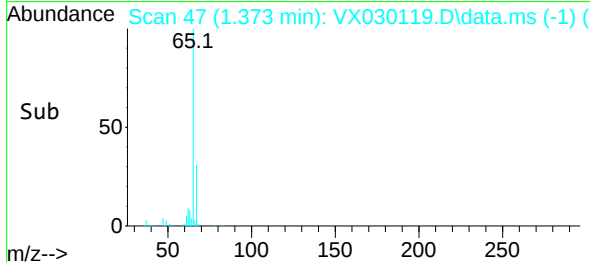
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-03



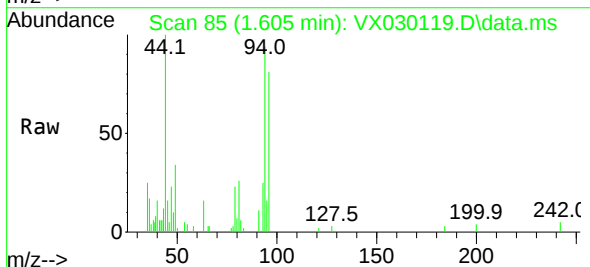
Tgt Ion: 62 Resp: 556
 Ion Ratio Lower Upper
 62 100
 64 48.7 22.1 41.1

Manual Integrations
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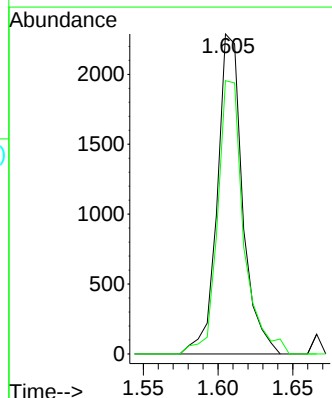
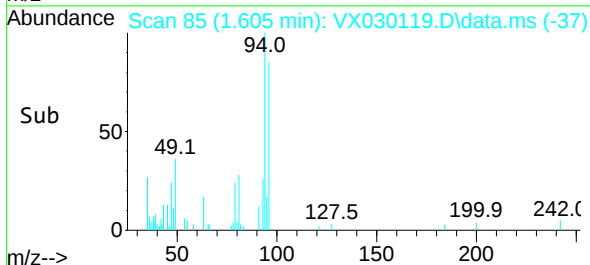
Reviewed By :John Carlone 07/20/2022
 Supervised By :Mahesh Dadoda 07/20/2022

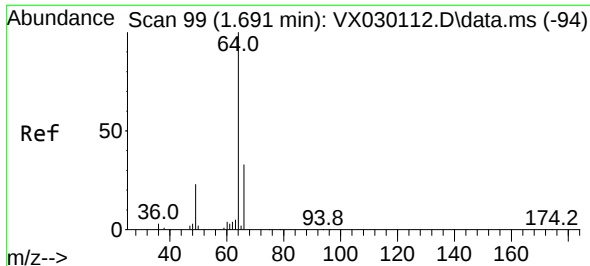


#6
 Bromomethane
 Concen: 2.721 ug/L
 RT: 1.605 min Scan# 85
 Delta R.T. -0.006 min
 Lab File: VX030119.D
 Acq: 19 Jul 2022 16:14



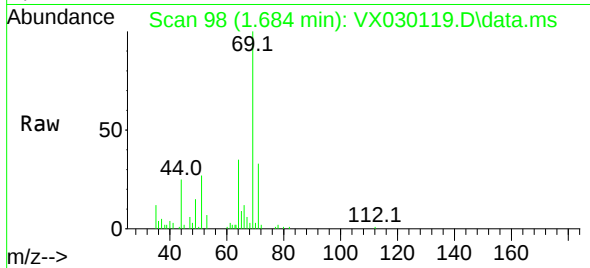
Tgt Ion: 94 Resp: 2698
 Ion Ratio Lower Upper
 94 100
 96 85.4 66.5 123.5





#8
Chloroethane
Concen: 2.291 ug/L
RT: 1.684 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

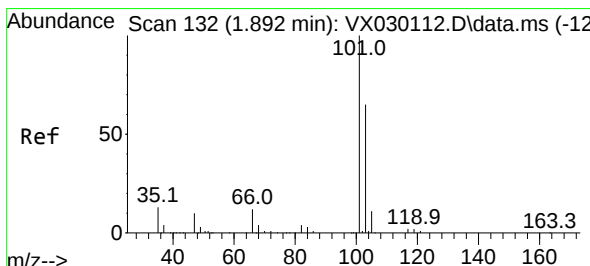
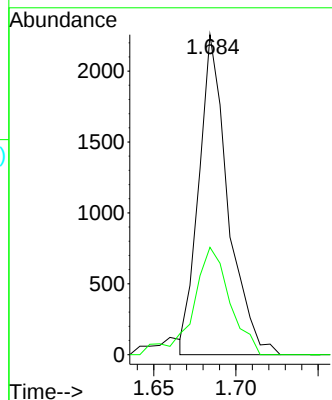
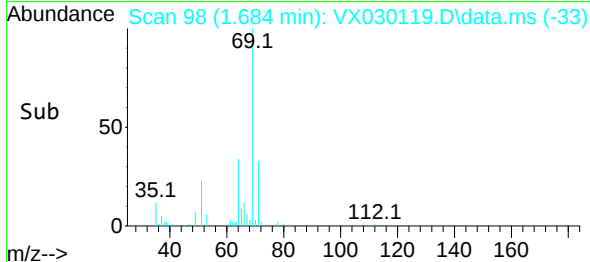
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 64 Resp: 2779
Ion Ratio Lower Upper
64 100
66 33.5 23.0 42.6

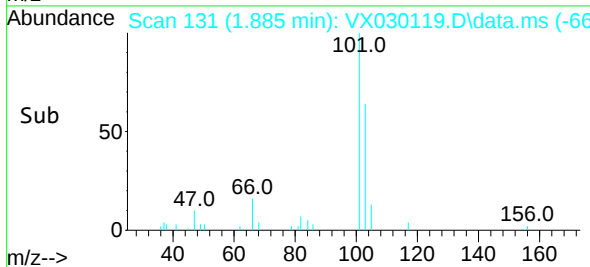
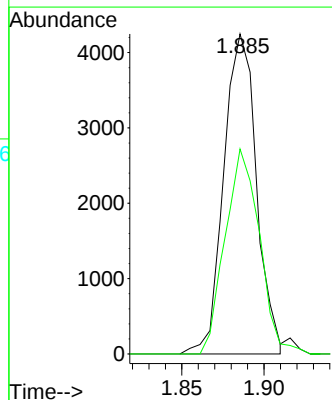
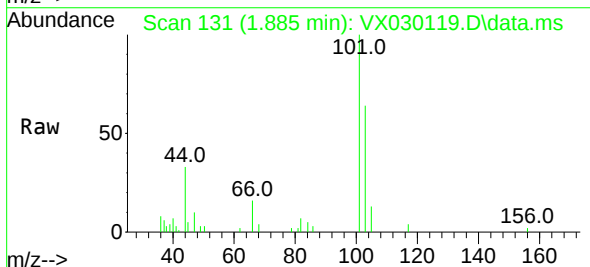
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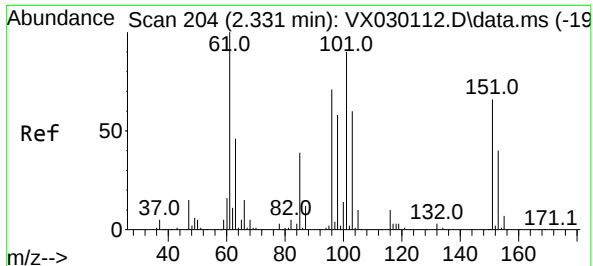
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#9
Trichlorofluoromethane
Concen: 2.068 ug/L
RT: 1.885 min Scan# 131
Delta R.T. -0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion:101 Resp: 5883
Ion Ratio Lower Upper
101 100
103 67.0 51.8 77.6





#10

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

Concen: 2.888 ug/L

RT: 2.330 min Scan# 204

Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

Tgt Ion:101 Resp: 5808

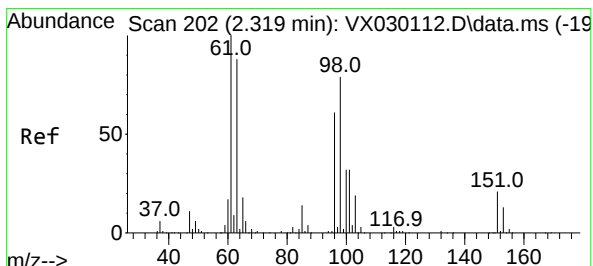
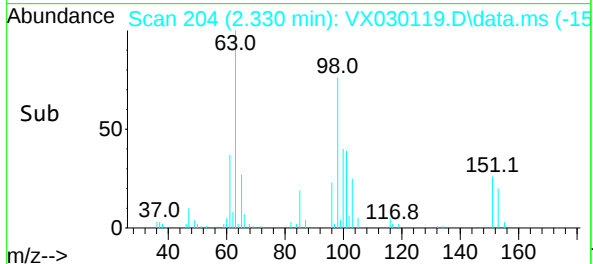
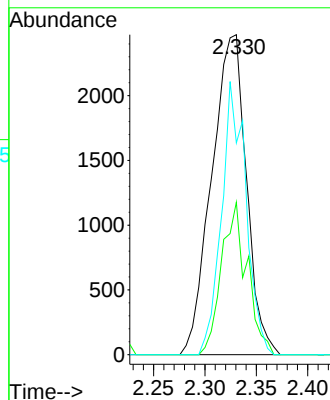
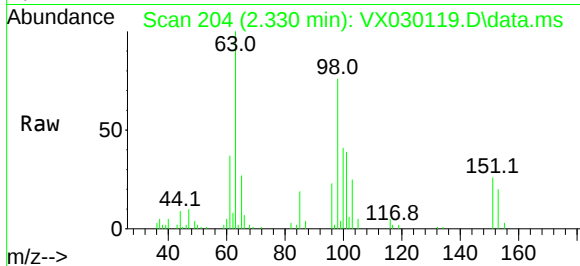
Ion	Ratio	Lower	Upper
101	100		
85	35.1	34.1	51.1
151	59.9	59.4	89.2

Manual Integrations

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Supervised By :Mahesh Dadoda 07/20/2022



#12

1,1-Dichloroethene

Concen: 2.899 ug/L

RT: 2.318 min Scan# 202

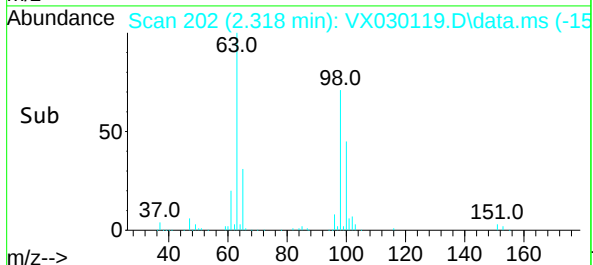
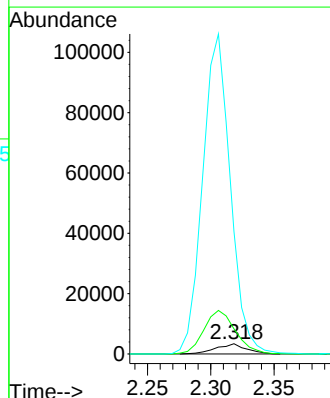
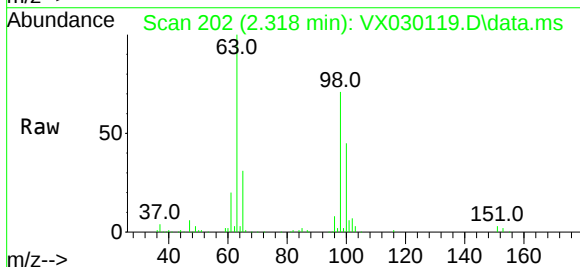
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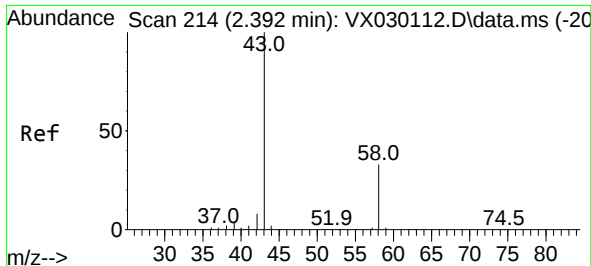
Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Tgt Ion: 96 Resp: 5622

Ion	Ratio	Lower	Upper
96	100		
61	245.4	115.1	213.7#
63	1197.8	104.1	193.3#





#13

Acetone

Concen: 5.012 ug/L

RT: 2.391 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

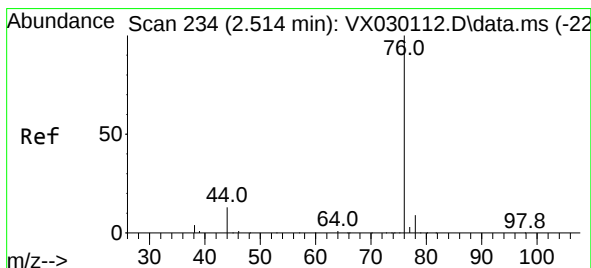
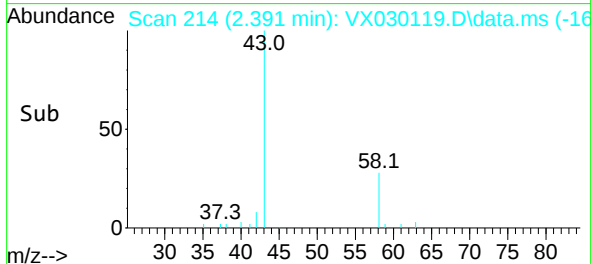
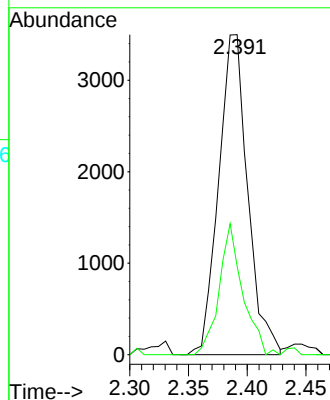
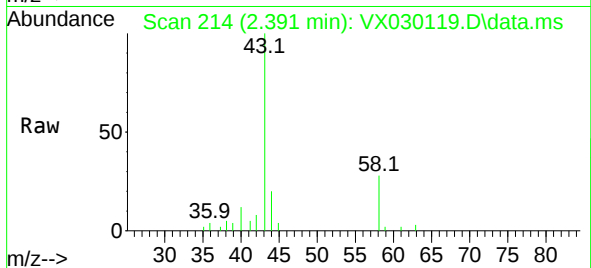
Tgt Ion: 43 Resp: 6029
 Ion Ratio Lower Upper
 43 100
 58 32.7 0.0 65.6

Manual Integrations

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Supervised By :Mahesh Dadoda 07/20/2022



#14

Carbon disulfide

Concen: 2.313 ug/L

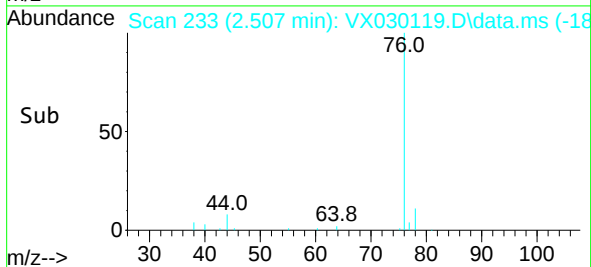
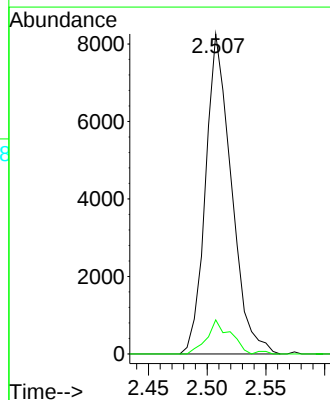
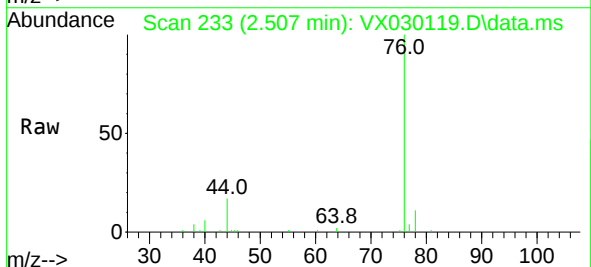
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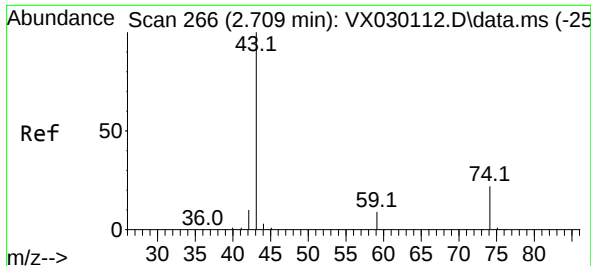
Delta R.T. -0.006 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

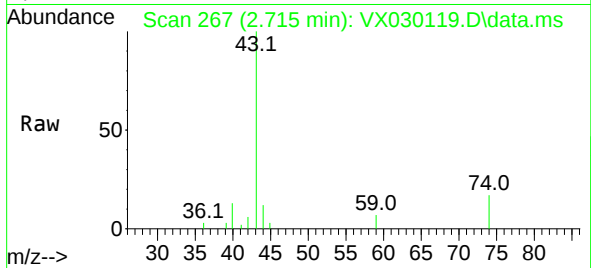
Tgt Ion: 76 Resp: 12624
 Ion Ratio Lower Upper
 76 100
 78 10.7 7.3 10.9





#15
Methyl Acetate
Concen: 2.542 ug/L
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

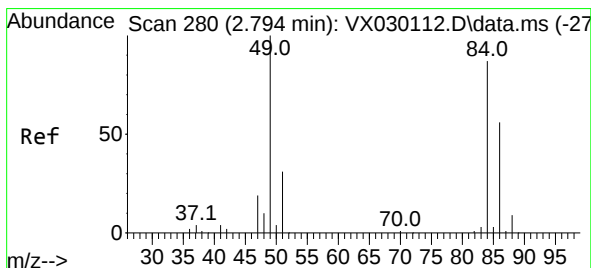
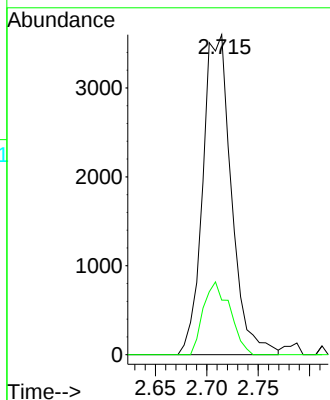
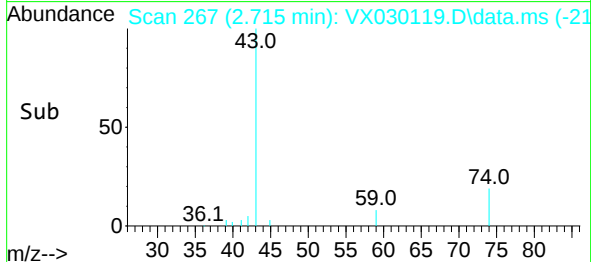
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 43 Resp: 6964
Ion Ratio Lower Upper
43 100
74 21.2 18.7 28.1

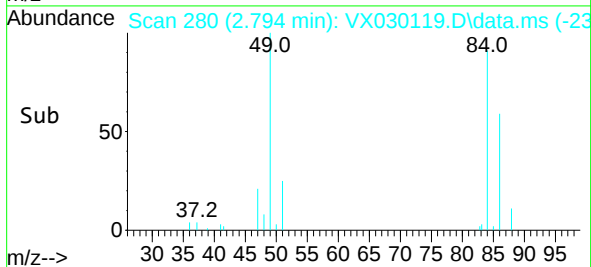
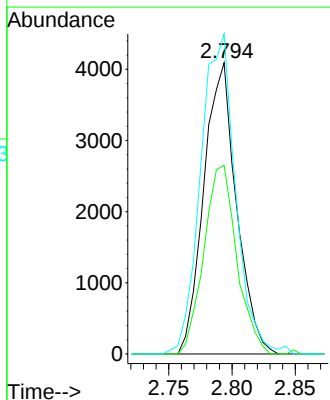
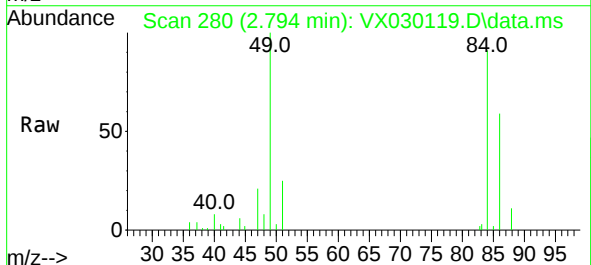
Manual Integrations
APPROVED

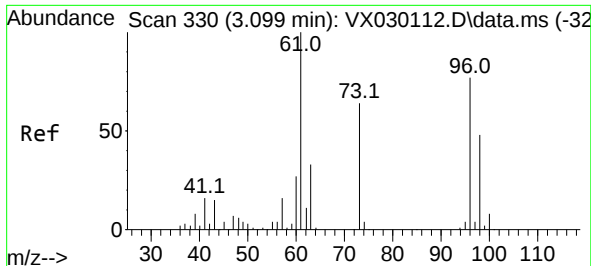
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#16
Methylene chloride
Concen: 3.137 ug/L
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

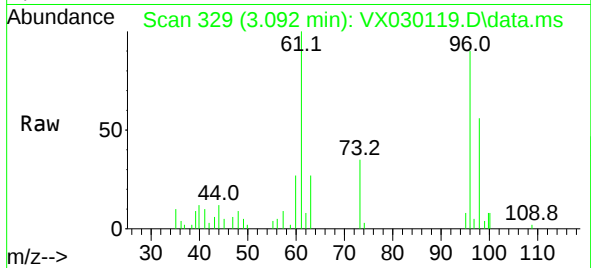
Tgt Ion: 84 Resp: 7344
Ion Ratio Lower Upper
84 100
86 64.7 44.8 83.2
49 109.9 80.6 149.6





#17
trans-1,2-Dichloroethene
Concen: 2.337 ug/L
RT: 3.092 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

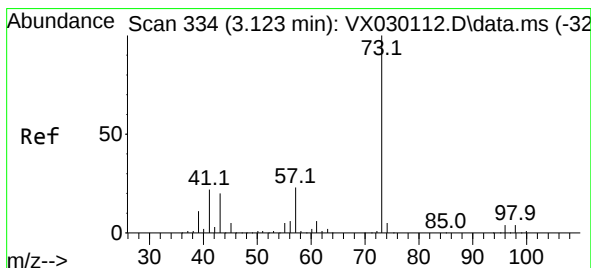
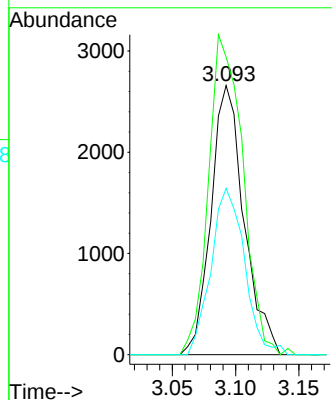
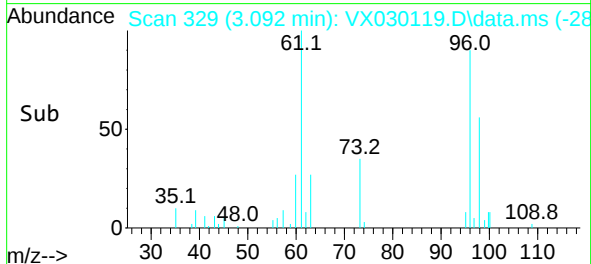
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 96 Resp: 482
Ion Ratio Lower Upper
96 100
61 110.6 90.4 168.0
98 61.8 43.8 81.4

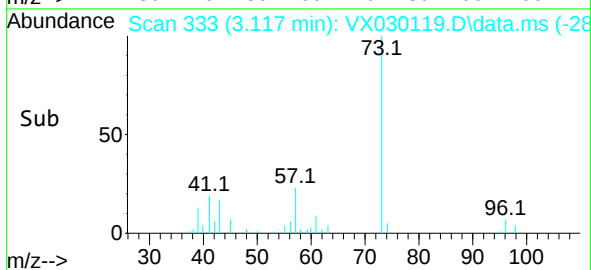
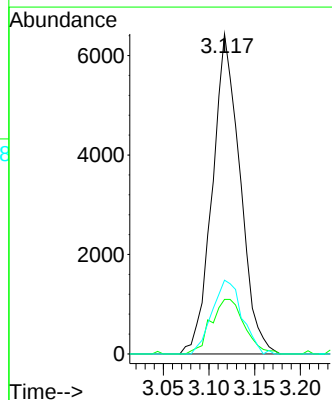
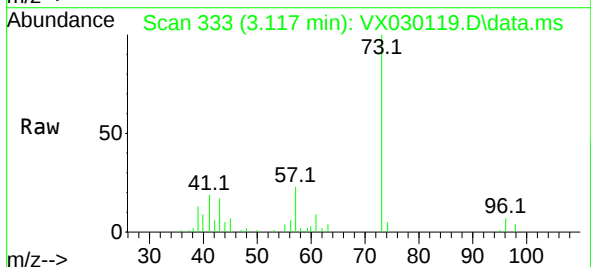
Manual Integrations
APPROVED

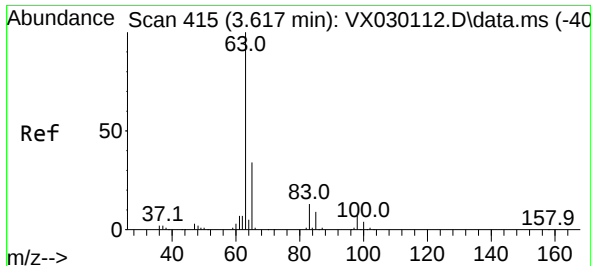
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#18
Methyl tert-butyl Ether
Concen: 2.131 ug/L
RT: 3.117 min Scan# 333
Delta R.T. -0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

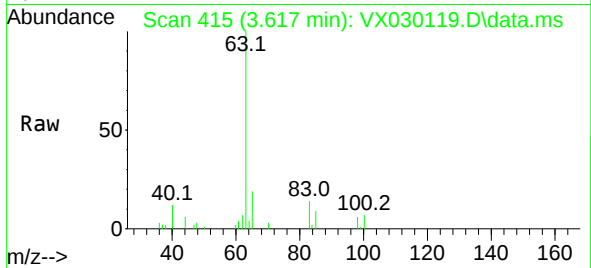
Tgt Ion: 73 Resp: 13546
Ion Ratio Lower Upper
73 100
43 20.6 16.2 24.4
57 24.8 17.7 26.5





#19
1,1-Dichloroethane
Concen: 2.307 ug/L
RT: 3.617 min Scan# 415
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

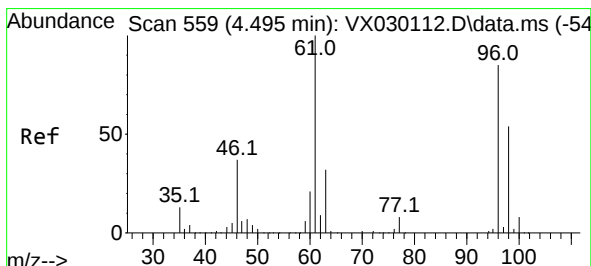
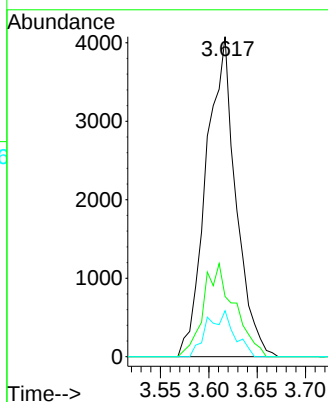
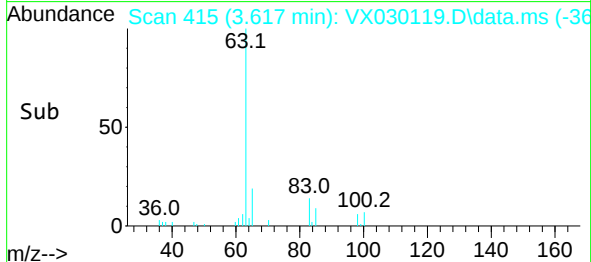
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 63 Resp: 870
Ion Ratio Lower Upper
63 100
65 18.8 23.4 43.6
83 14.3 9.3 17.3

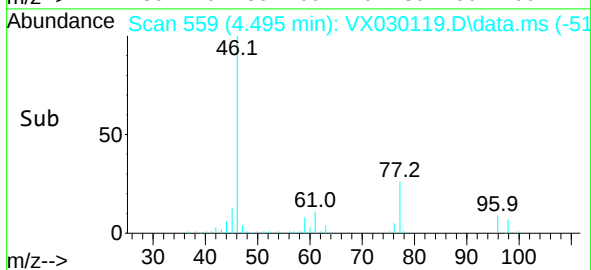
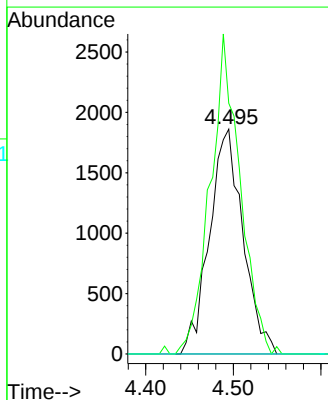
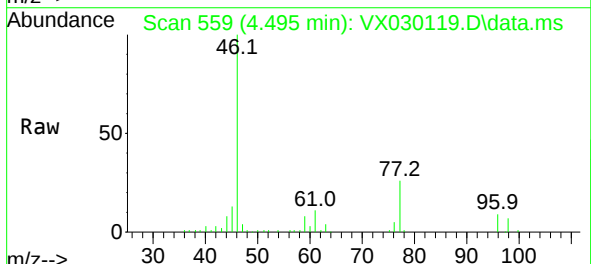
Manual Integrations
APPROVED

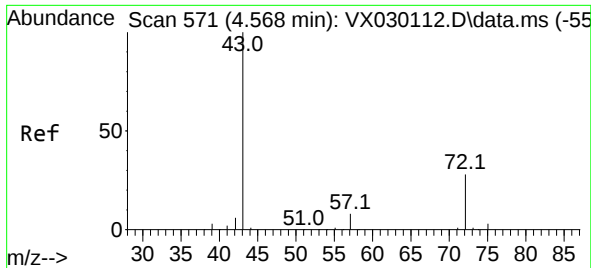
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#20
cis-1,2-Dichloroethene
Concen: 2.064 ug/L m
RT: 4.495 min Scan# 559
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion: 96 Resp: 4945
Ion Ratio Lower Upper
96 100
61 111.6 82.1 152.5
68 0.0 0.0 0.0





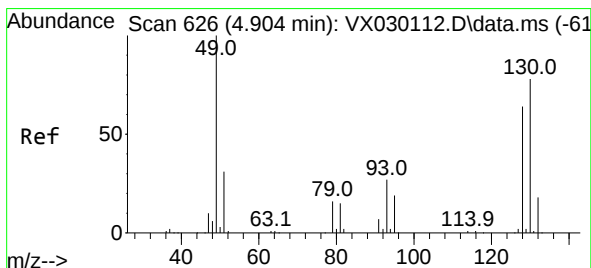
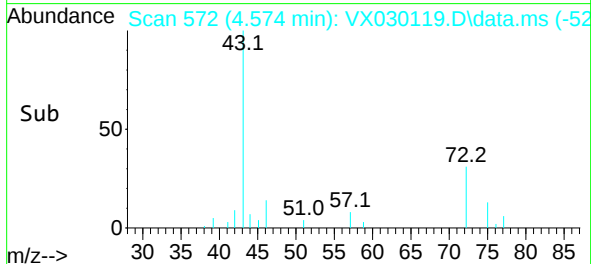
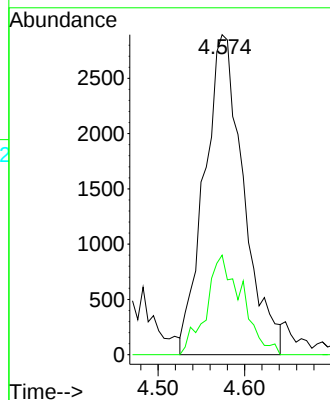
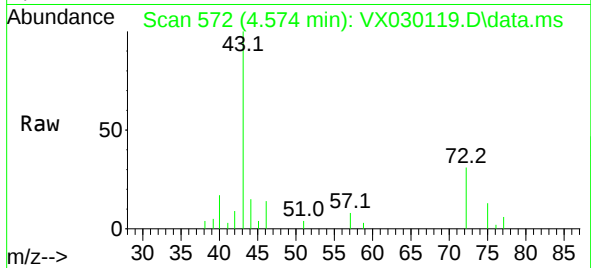
#22
2-Butanone
Concen: 4.421 ug/L
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 43 Resp: 9092
Ion Ratio Lower Upper
43 100
72 21.7 13.1 39.3

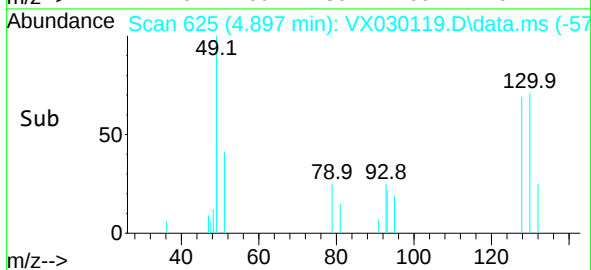
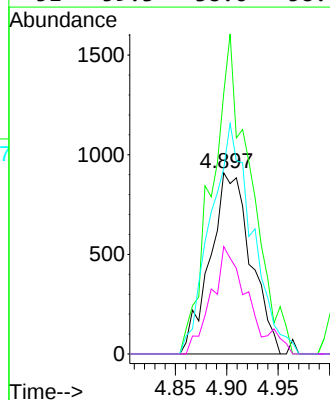
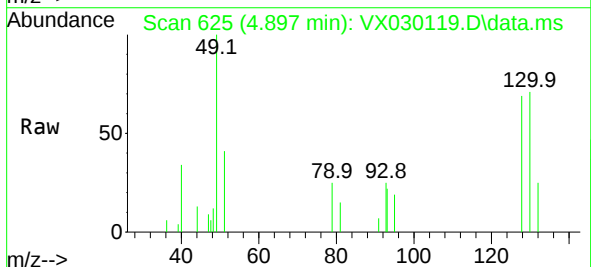
Manual Integrations
APPROVED

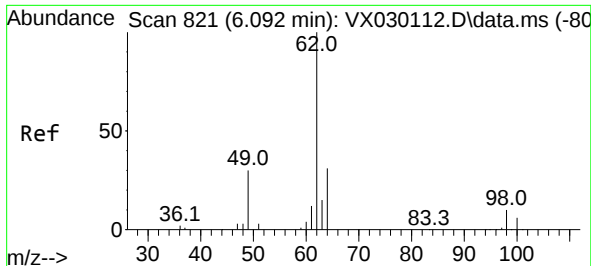
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#23
Bromochloromethane
Concen: 2.101 ug/L
RT: 4.897 min Scan# 625
Delta R.T. -0.007 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion:128 Resp: 2505
Ion Ratio Lower Upper
128 100
49 143.9 110.0 204.4
130 102.4 86.0 159.6
51 59.3 38.6 58.0#





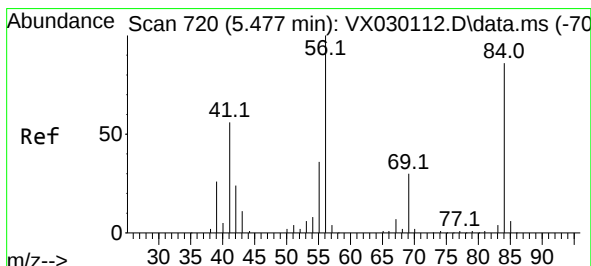
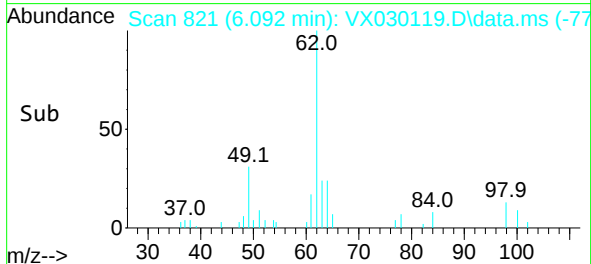
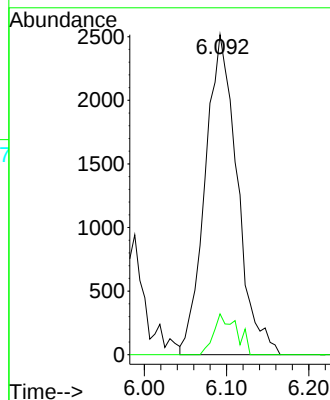
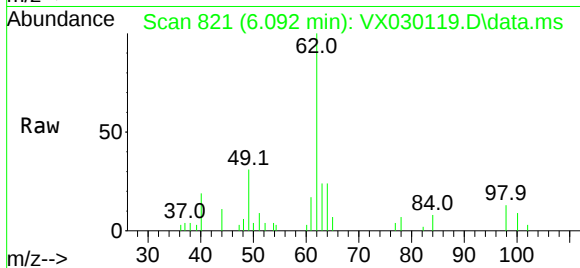
#27
1,2-Dichloroethane
Concen: 2.320 ug/L
RT: 6.092 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 62 Resp: 682
Ion Ratio Lower Upper
62 100
98 12.8 8.0 12.0

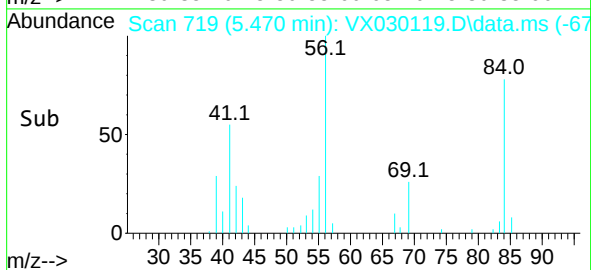
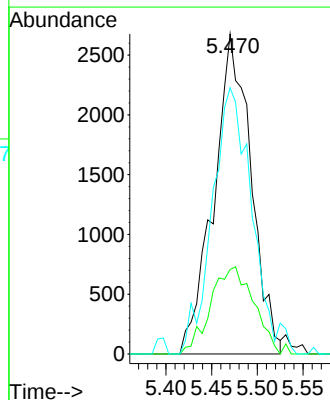
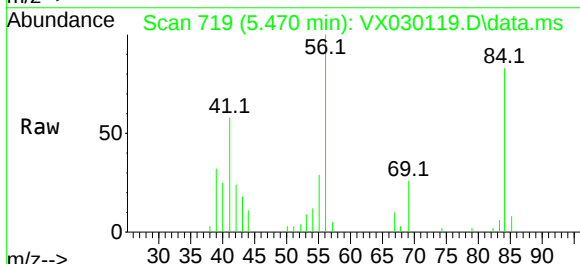
Manual Integrations
APPROVED

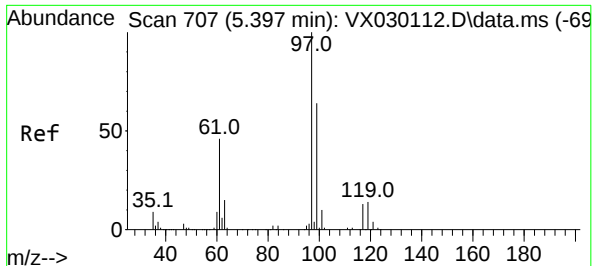
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#29
Cyclohexane
Concen: 2.196 ug/L
RT: 5.470 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion: 56 Resp: 7581
Ion Ratio Lower Upper
56 100
69 31.5 24.2 36.2
84 82.7 70.4 105.6





#30

1,1,1-Trichloroethane

Concen: 2.136 ug/L

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 97 Resp: 661

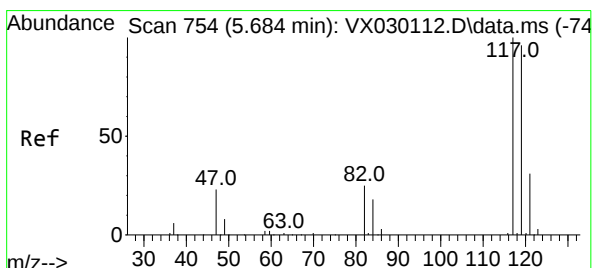
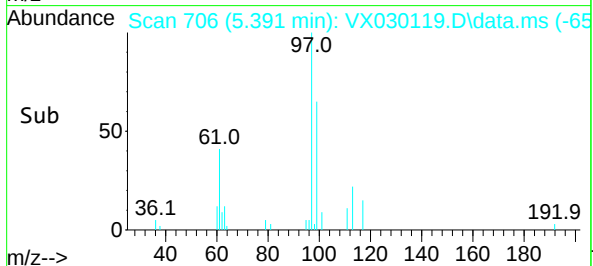
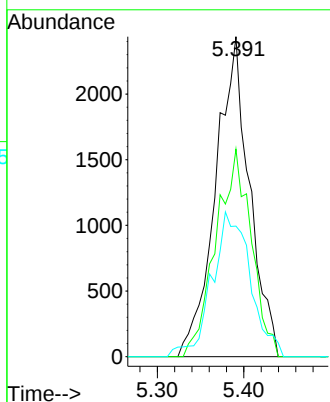
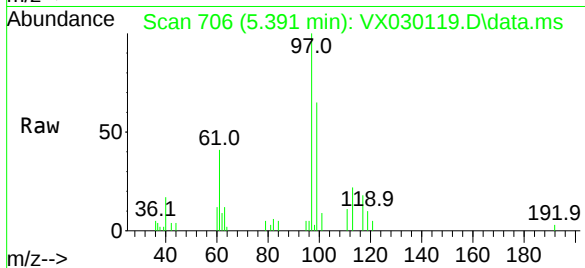
Ion	Ratio	Lower	Upper
97	100		
99	41.4	51.2	76.8
61	0.0	36.8	55.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/20/2022

Supervised By :Mahesh Dadoda 07/20/2022



#31

Carbon tetrachloride

Concen: 2.141 ug/L

RT: 5.684 min Scan# 754

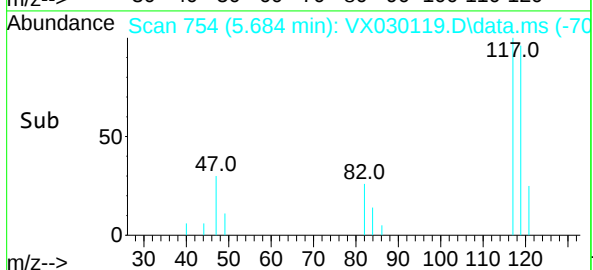
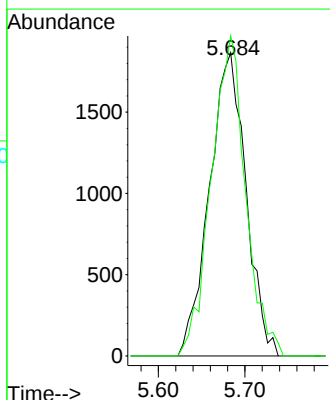
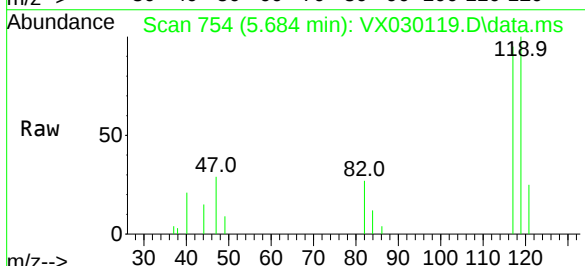
Delta R.T. -0.000 min

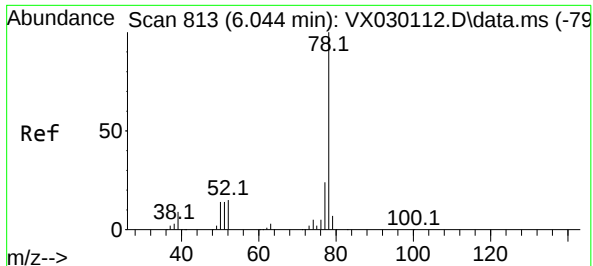
Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Tgt Ion:117 Resp: 5461

Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.4	116.2





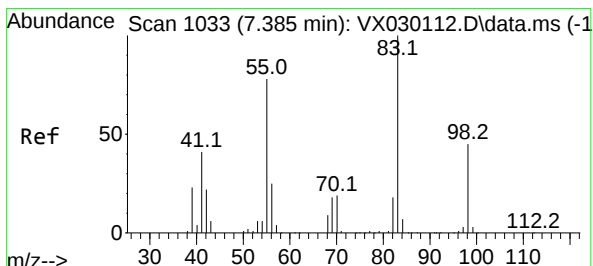
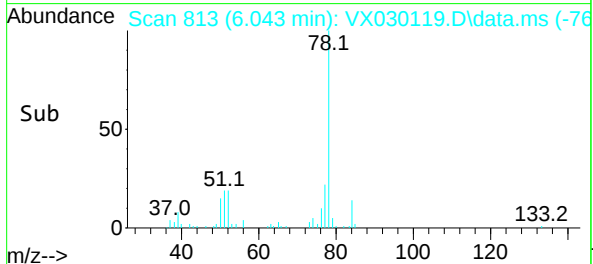
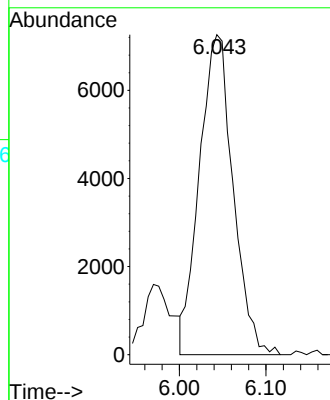
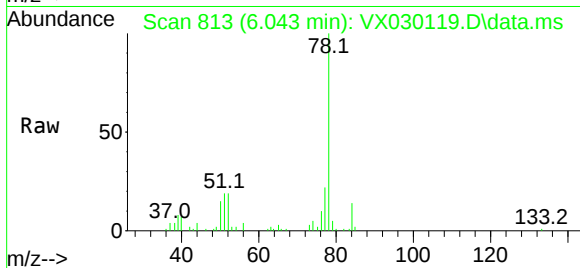
#33
Benzene
Concen: 2.234 ug/L
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 78 Resp: 19580

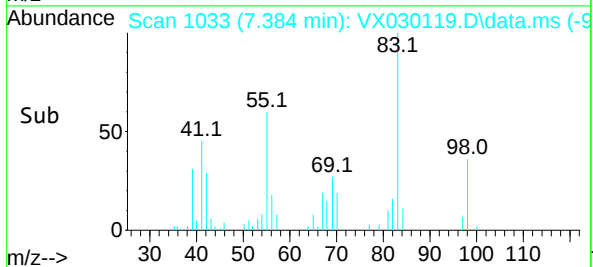
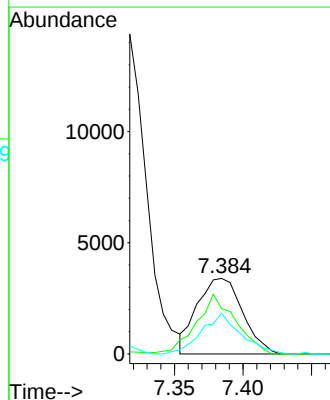
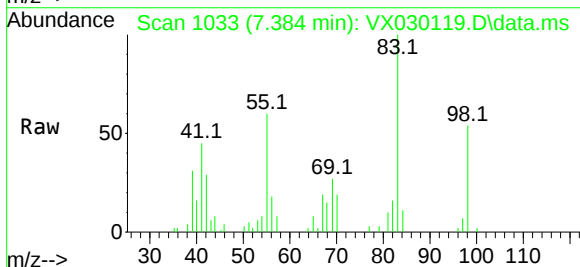
Manual Integrations
APPROVED

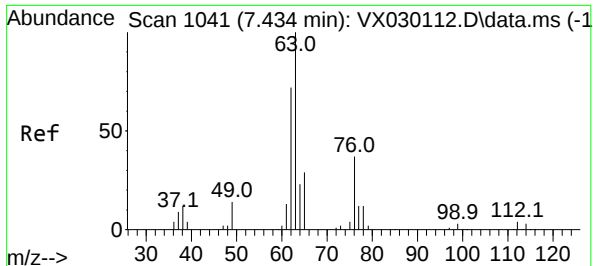
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#35
Methylcyclohexane
Concen: 2.208 ug/L
RT: 7.384 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion: 83 Resp: 7795
Ion Ratio Lower Upper
83 100
55 68.7 59.7 89.5
98 46.4 37.0 55.6





#37

1,2-Dichloropropane

Concen: 2.186 ug/L

RT: 7.439 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

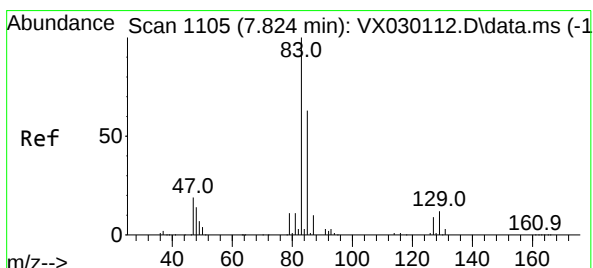
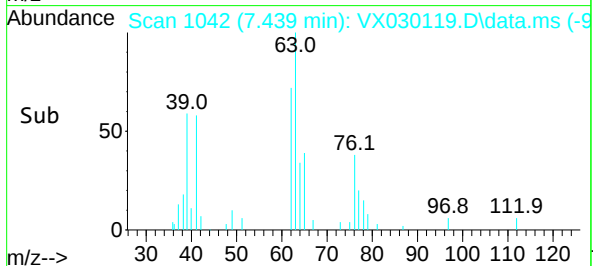
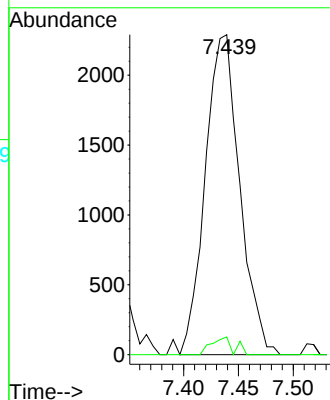
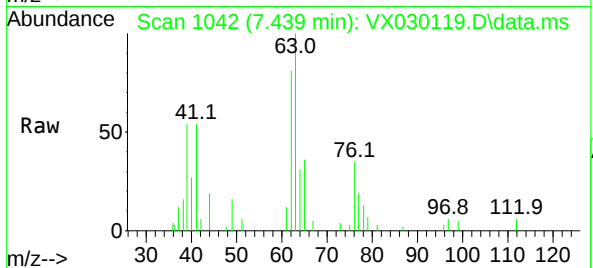
Tgt Ion: 63 Resp: 5014
 Ion Ratio Lower Upper
 63 100
 112 2.8 3.1 4.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/20/2022

Supervised By :Mahesh Dadoda 07/20/2022



#38

Bromodichloromethane

Concen: 2.059 ug/L

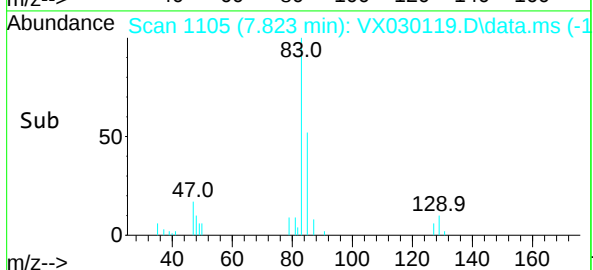
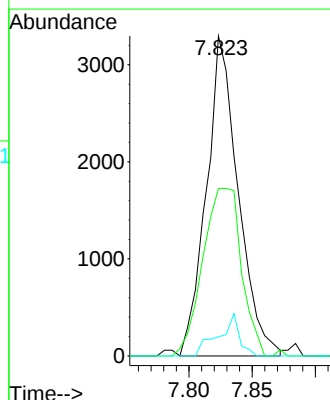
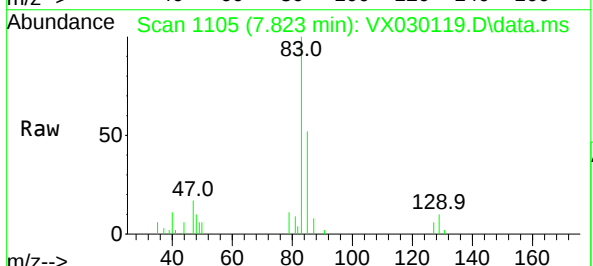
RT: 7.823 min Scan# 1105

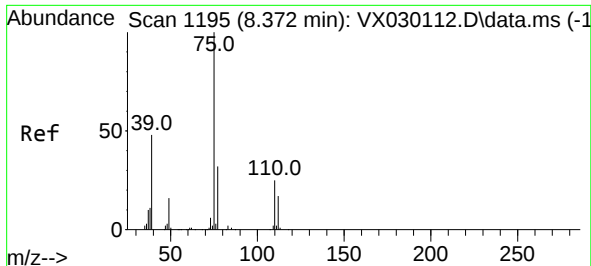
Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Tgt Ion: 83 Resp: 5778
 Ion Ratio Lower Upper
 83 100
 85 52.3 44.0 81.8
 127 6.0 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 2.156 ug/L

RT: 8.372 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

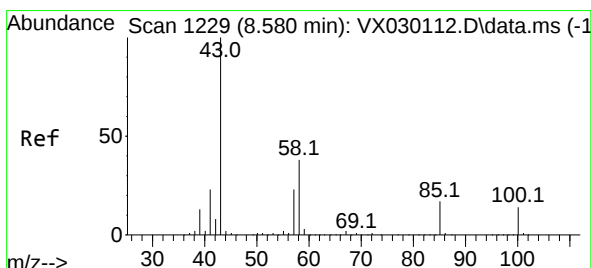
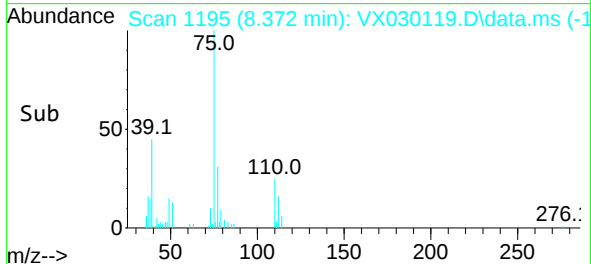
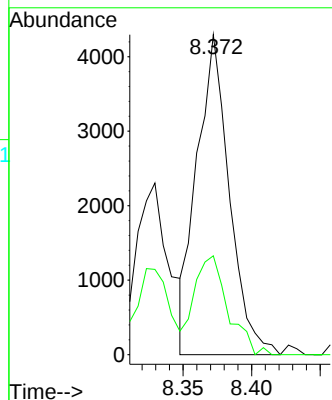
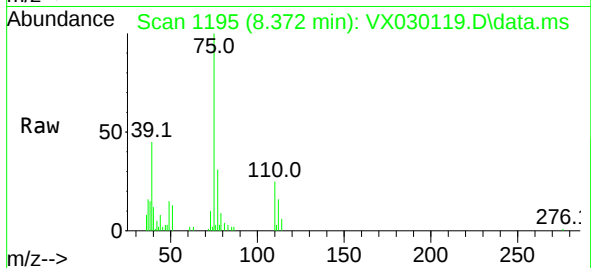
Tgt Ion: 75 Resp: 7070
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/20/2022

Supervised By :Mahesh Dadoda 07/20/2022



#40

4-Methyl-2-pentanone

Concen: 4.357 ug/L

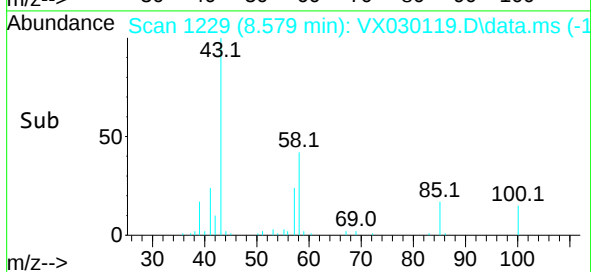
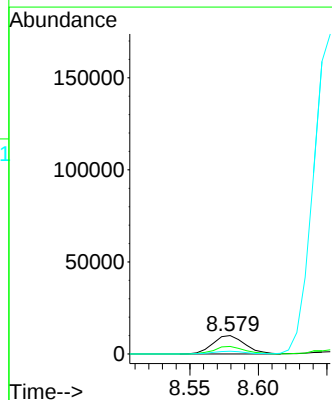
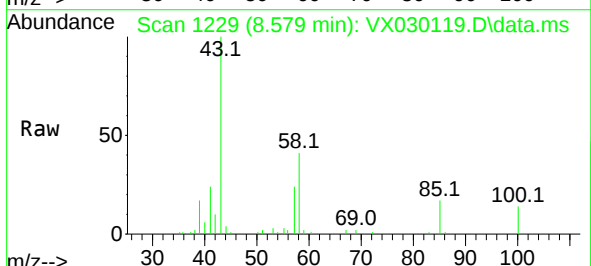
RT: 8.579 min Scan# 1229

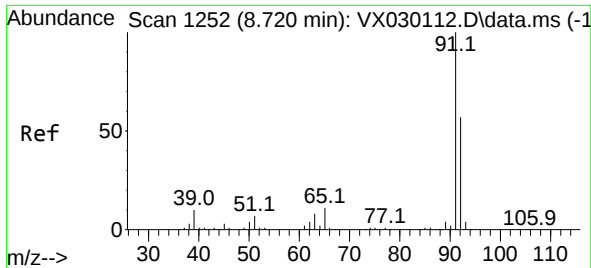
Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

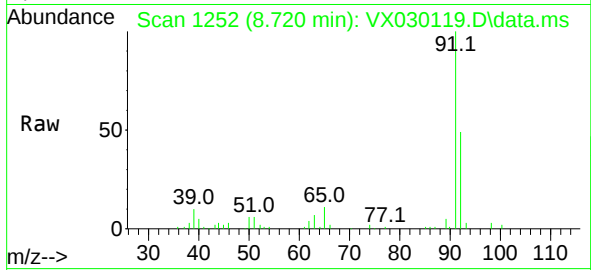
Tgt Ion: 43 Resp: 16254
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.9 46.3
 100 15.0 11.5 17.3





#42
Toluene
Concen: 2.278 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

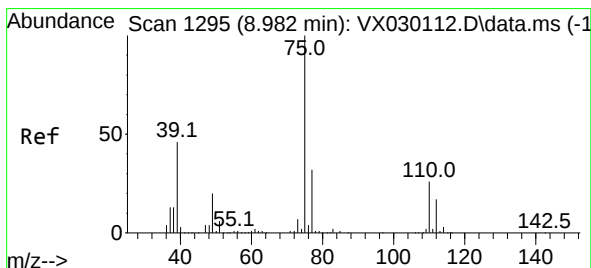
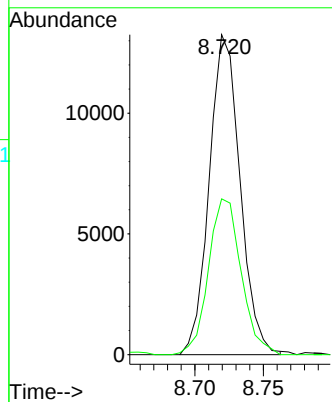
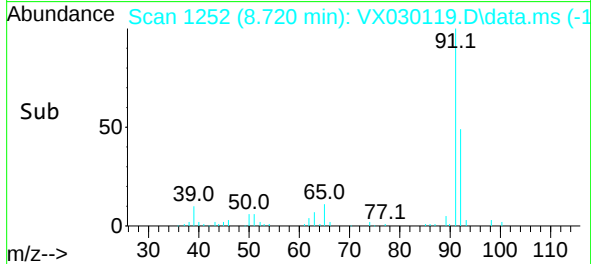
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03



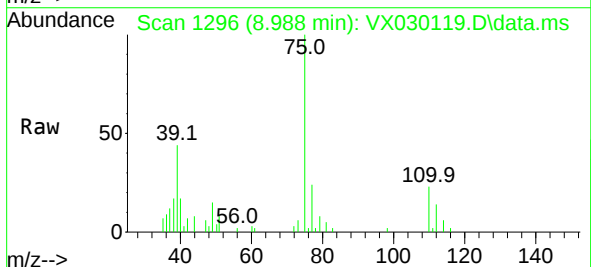
Tgt Ion: 91 Resp: 2073
Ion Ratio Lower Upper
91 100
92 48.7 39.6 73.6

Manual Integrations
APPROVED

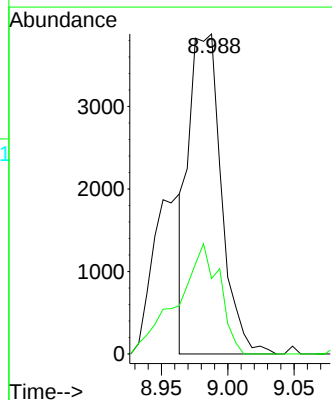
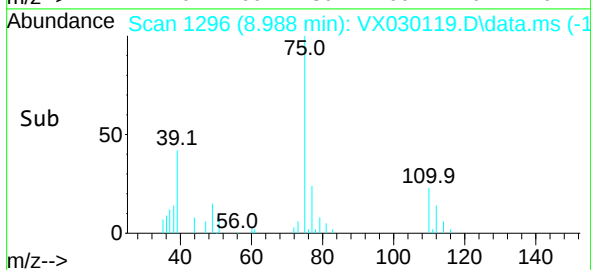
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022

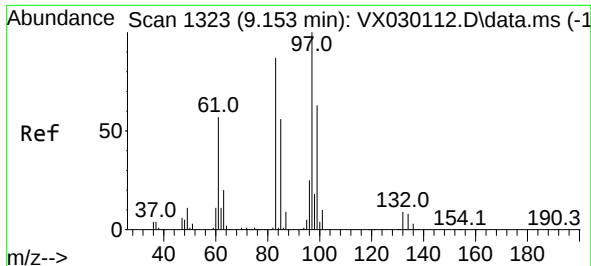


#44
trans-1,3-Dichloropropene
Concen: 2.143 ug/L m
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14



Tgt Ion: 75 Resp: 6579
Ion Ratio Lower Upper
75 100
77 23.6 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 2.127 ug/L

RT: 9.152 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX030119.D

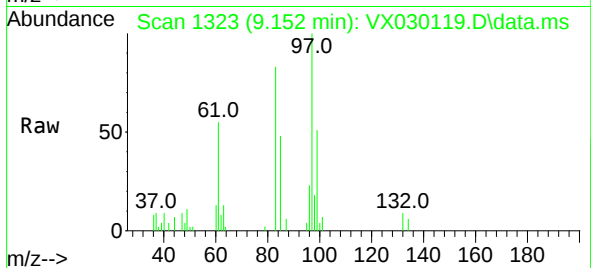
Acq: 19 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 97 Resp: 4669

Ion Ratio Lower Upper

97 100

99 50.9 43.8 81.4

83 83.0 61.2 113.8

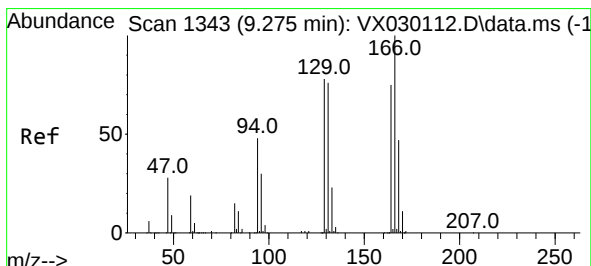
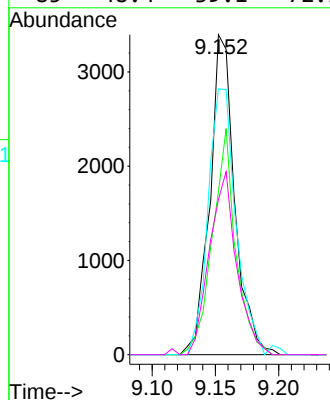
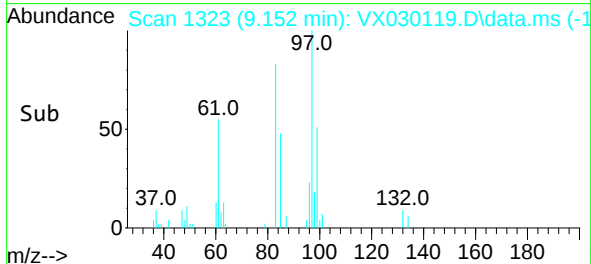
85 48.4 39.1 72.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/20/2022

Supervised By :Mahesh Dadoda 07/20/2022



#46

Tetrachloroethene

Concen: 2.317 ug/L

RT: 9.274 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Tgt Ion:164 Resp: 3768

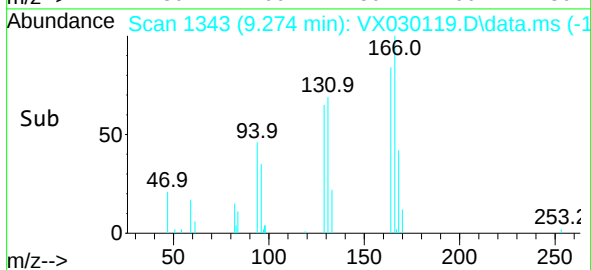
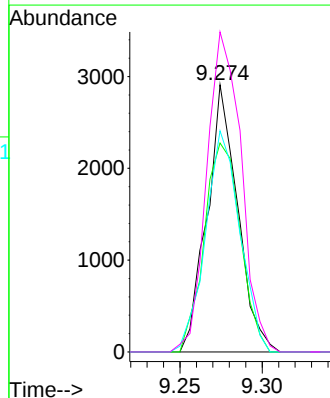
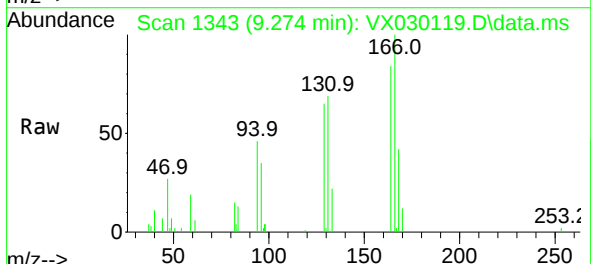
Ion Ratio Lower Upper

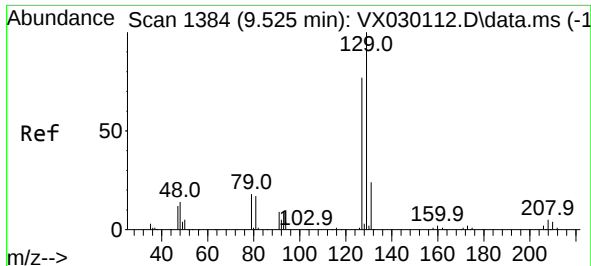
164 100

129 78.2 73.0 135.6

131 82.8 70.7 131.3

166 119.8 93.2 173.0





#49

Dibromochloromethane

Concen: 2.015 ug/L

RT: 9.524 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

Tgt Ion:129 Resp: 4420

Ion Ratio Lower Upper

129 100

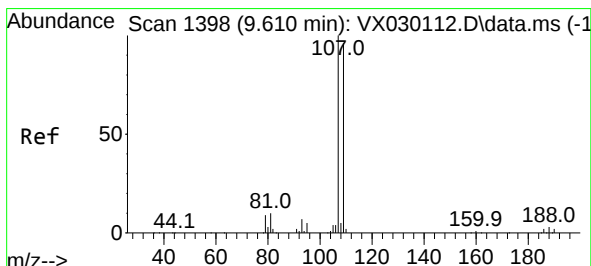
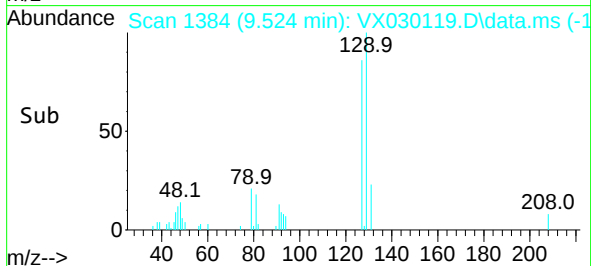
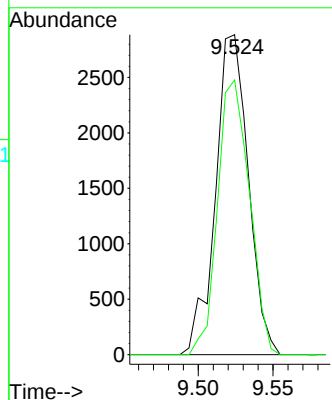
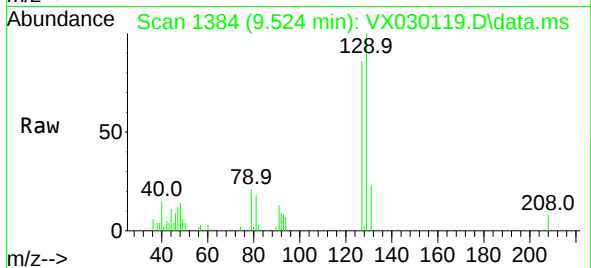
127 85.8 53.6 99.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/20/2022

Supervised By :Mahesh Dadoda 07/20/2022



#50

1,2-Dibromoethane

Concen: 2.064 ug/L

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

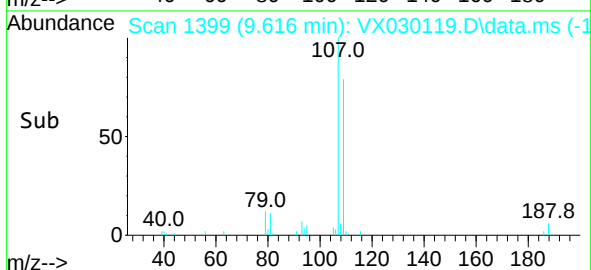
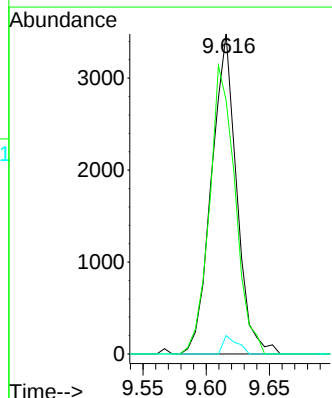
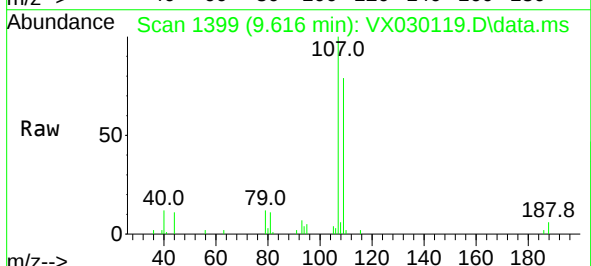
Tgt Ion:107 Resp: 4810

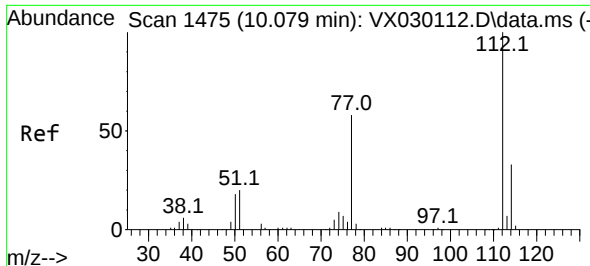
Ion Ratio Lower Upper

107 100

109 79.2 66.9 124.3

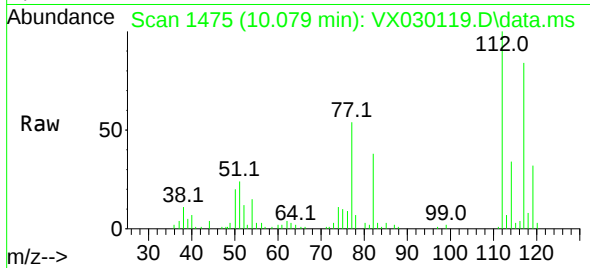
188 5.8 2.4 3.6#





#51
Chlorobenzene
Concen: 2.212 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

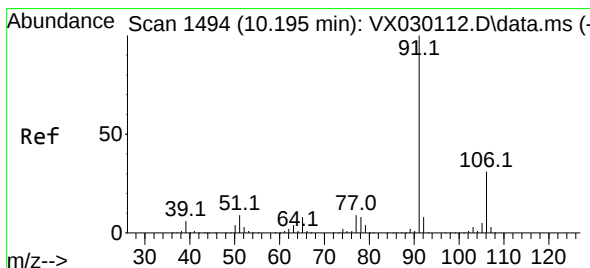
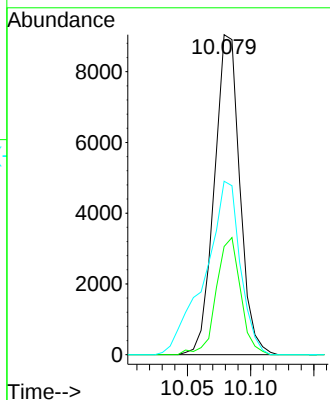
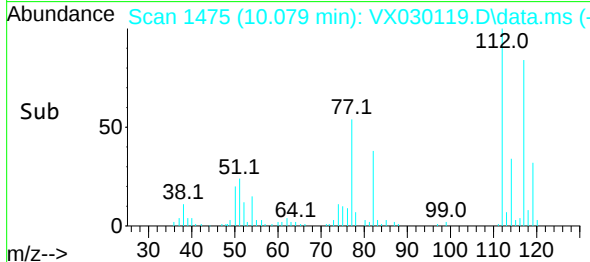
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 112 Resp: 12648
Ion Ratio Lower Upper
112 100
114 33.8 23.4 43.4
77 54.2 46.7 70.1

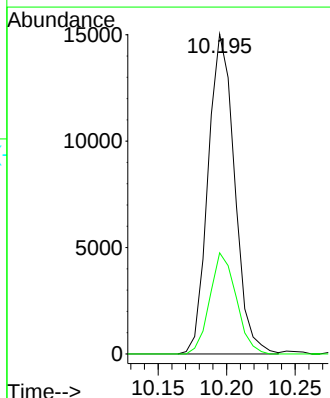
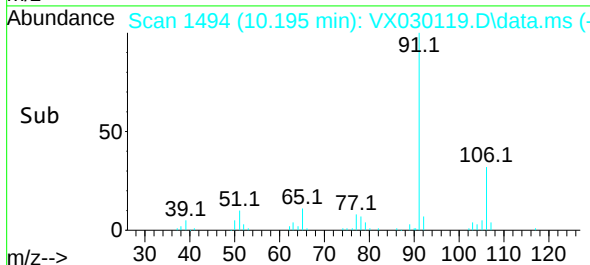
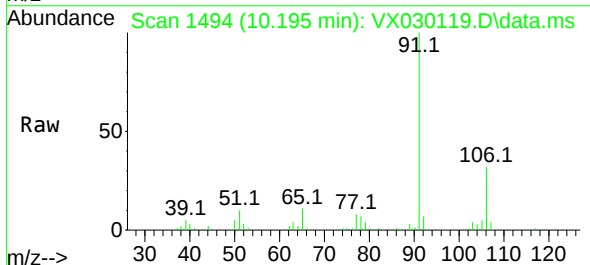
Manual Integrations
APPROVED

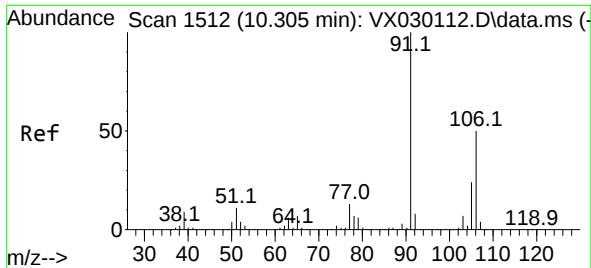
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#52
Ethylbenzene
Concen: 2.082 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion: 91 Resp: 20194
Ion Ratio Lower Upper
91 100
106 31.6 21.7 40.3





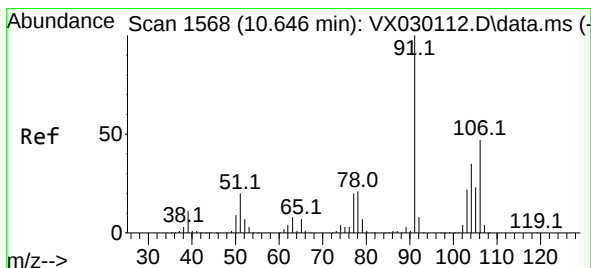
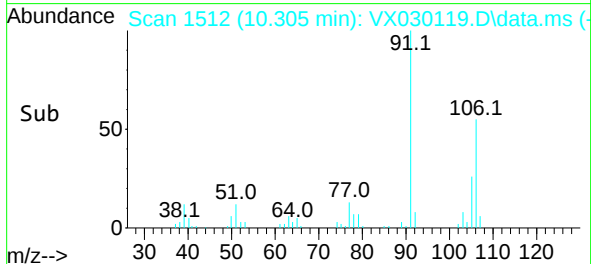
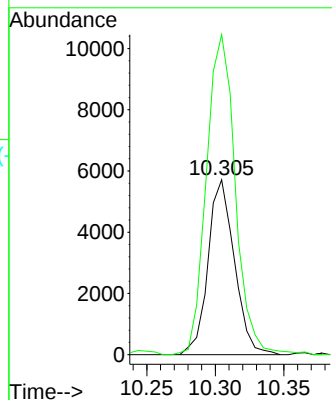
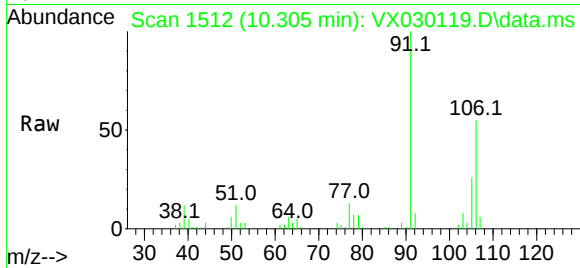
#53
m,p-Xylene
Concen: 2.027 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03

Tgt Ion:106 Resp: 766
Ion Ratio Lower Upper
106 100
91 182.9 139.7 259.5

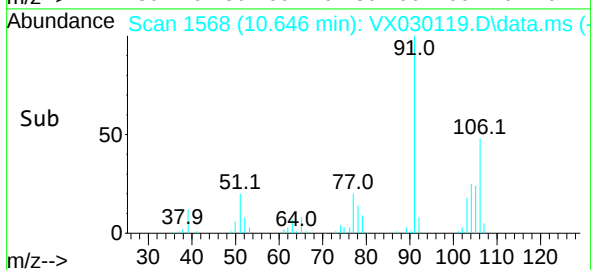
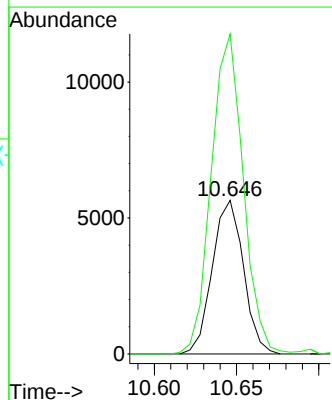
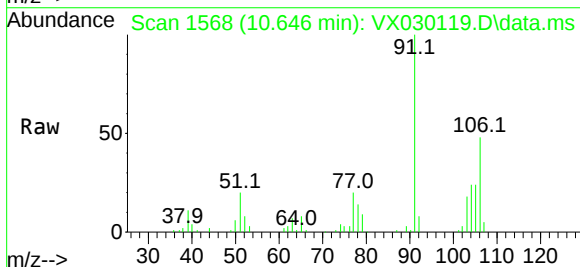
Manual Integrations
APPROVED

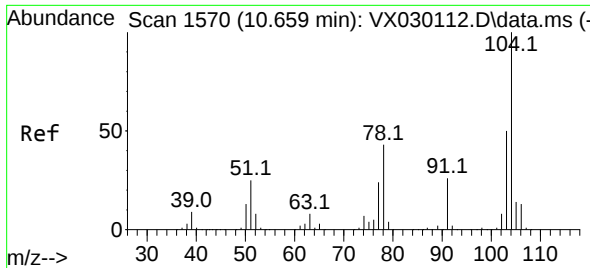
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#54
o-Xylene
Concen: 2.028 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion:106 Resp: 7444
Ion Ratio Lower Upper
106 100
91 208.4 149.4 277.4





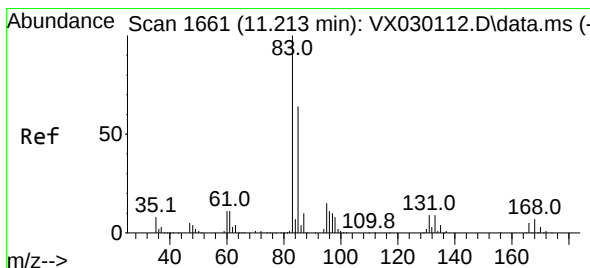
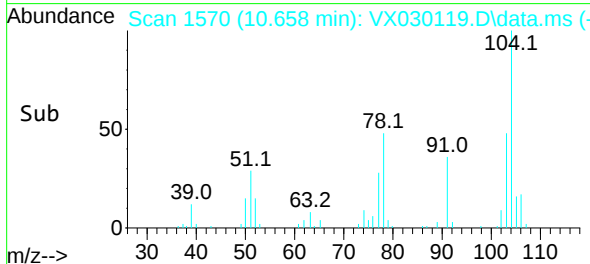
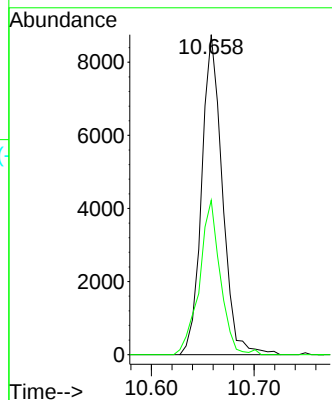
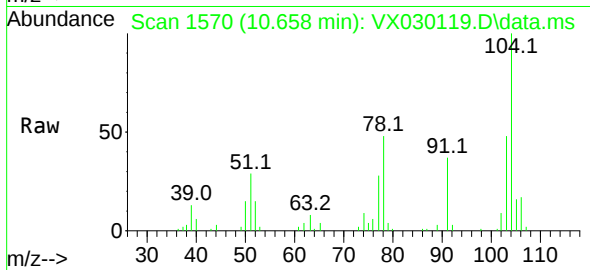
#55
Styrene
Concen: 1.936 ug/L
RT: 10.658 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03

Tgt Ion:104 Resp: 1224
Ion Ratio Lower Upper
104 100
78 48.3 30.3 56.3

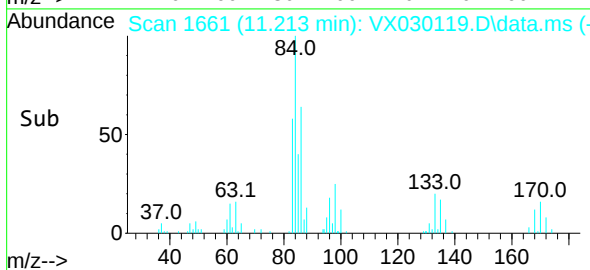
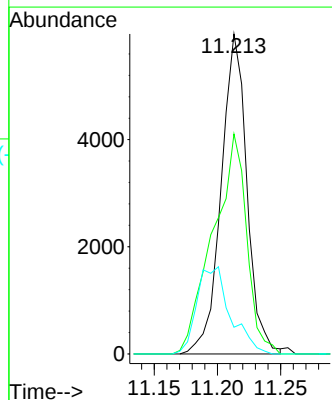
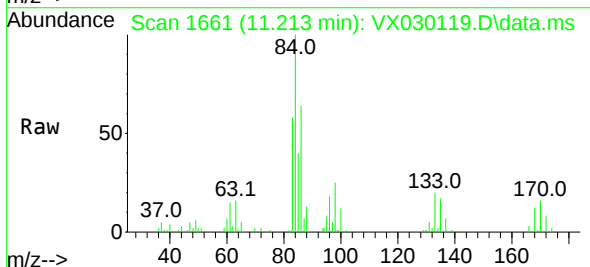
Manual Integrations
APPROVED

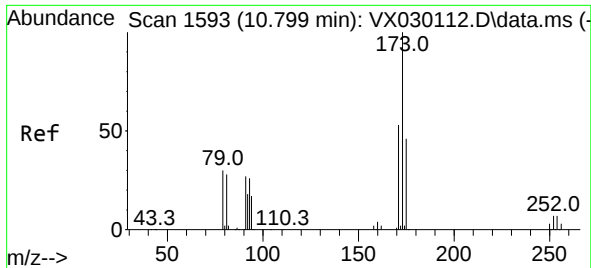
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#57
1,1,2,2-Tetrachloroethane
Concen: 2.441 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

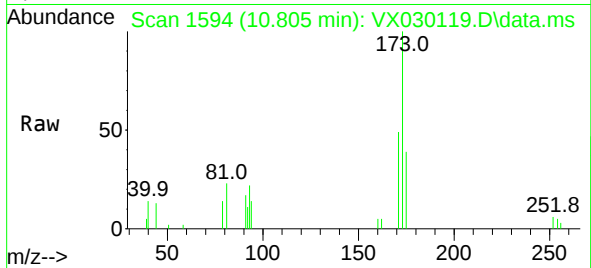
Tgt Ion: 83 Resp: 8455
Ion Ratio Lower Upper
83 100
85 68.7 44.7 83.1
131 8.4 7.2 10.8





#59
Bromoform
Concen: 2.208 ug/L
RT: 10.805 min Scan# 1593
Delta R.T. 0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

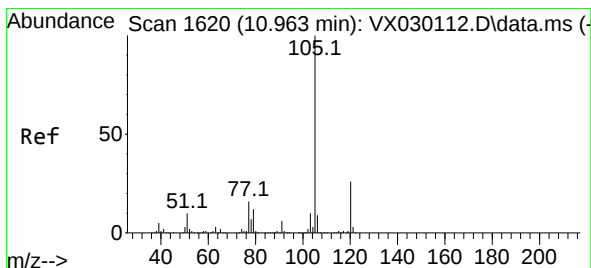
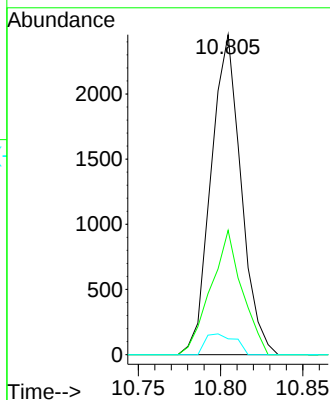
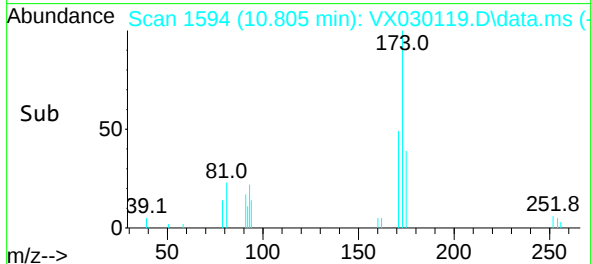
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



Tgt Ion:173 Resp: 3119
Ion Ratio Lower Upper
173 100
175 40.6 37.8 56.6
254 6.4 6.4 9.6

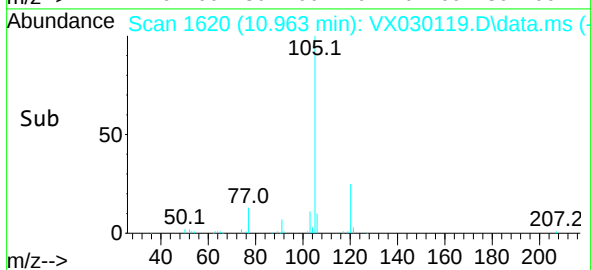
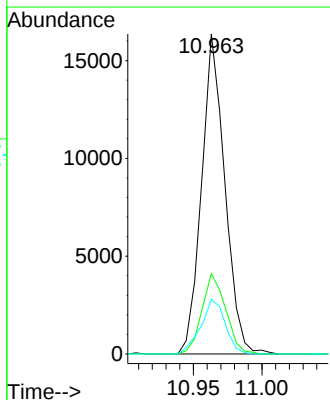
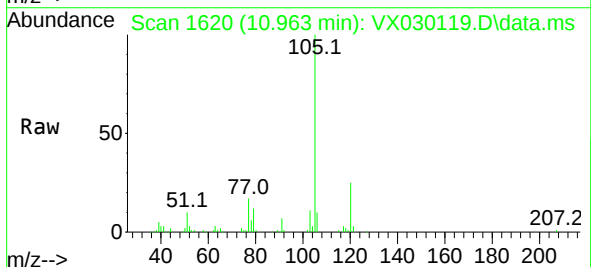
Manual Integrations
APPROVED

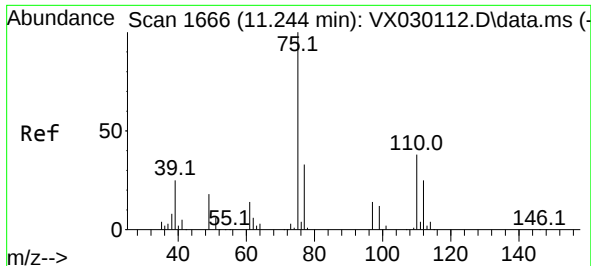
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#60
Isopropylbenzene
Concen: 2.180 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion:105 Resp: 19325
Ion Ratio Lower Upper
105 100
120 25.5 21.1 31.7
77 17.9 12.4 18.6





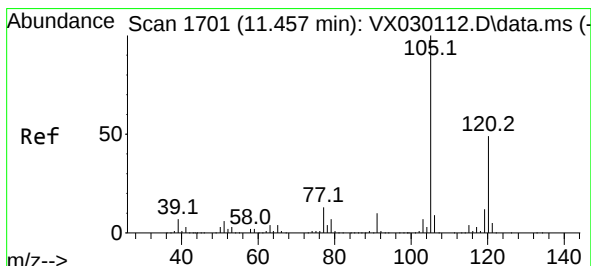
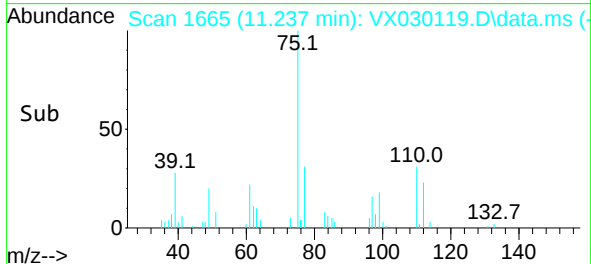
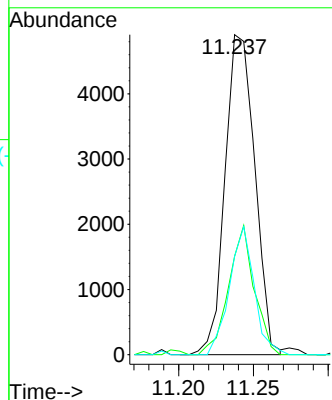
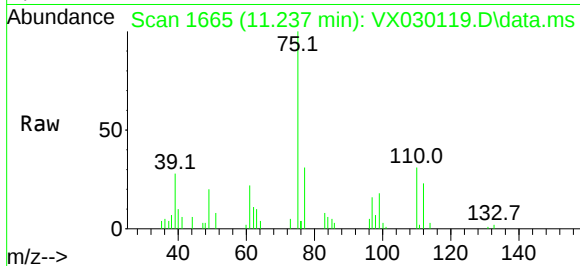
#61
1,2,3-Trichloropropane
Concen: 2.534 ug/L
RT: 11.237 min Scan# 1666
Delta R.T. -0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 75 Resp: 6800
Ion Ratio Lower Upper
75 100
77 34.9 25.8 38.8
110 33.3 30.2 45.2

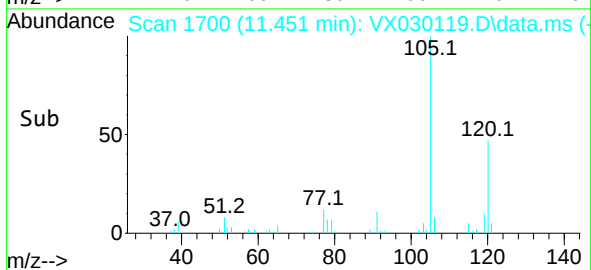
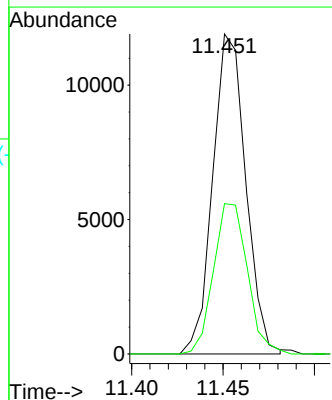
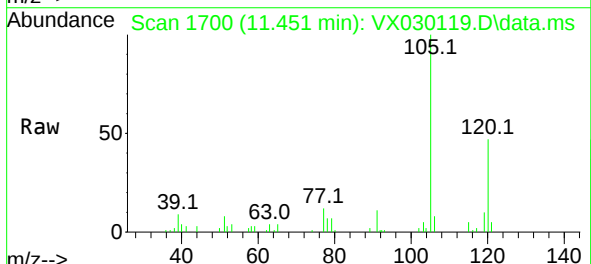
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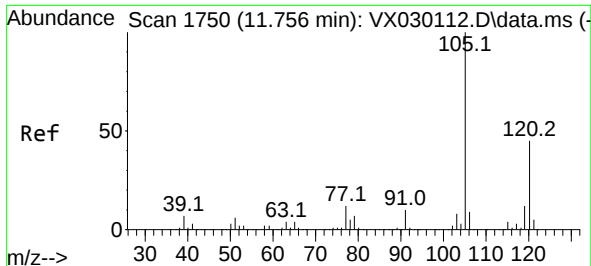
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022



#62
1,3,5-Trimethylbenzene
Concen: 2.041 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.007 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

Tgt Ion:105 Resp: 14953
Ion Ratio Lower Upper
105 100
120 48.3 38.8 58.2





#63

1,2,4-Trimethylbenzene

Concen: 2.040 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

Tgt Ion:105 Resp: 14900

Ion Ratio Lower Upper

105 100

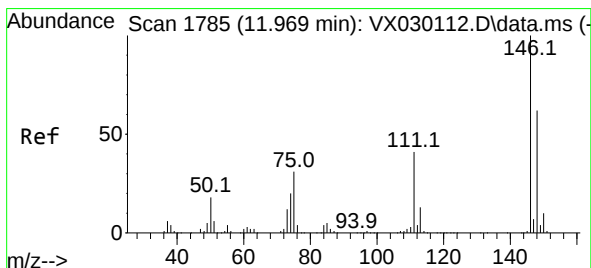
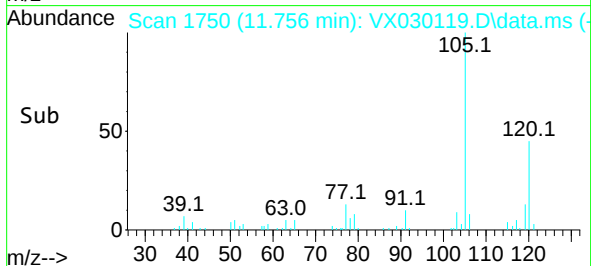
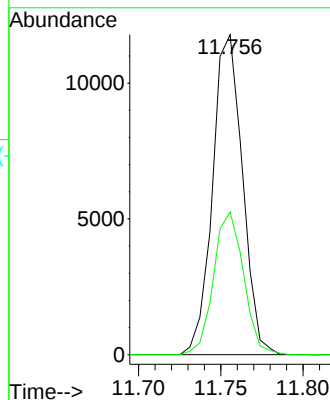
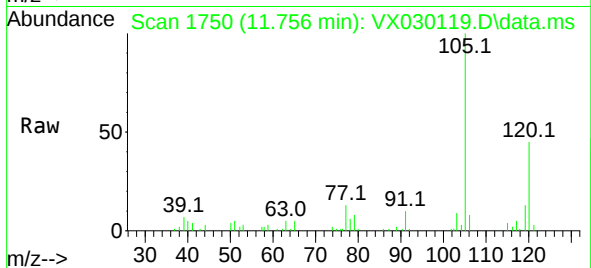
120 44.7 36.2 54.4

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Reviewed By :John Carlone 07/20/2022

Supervised By :Mahesh Dadoda 07/20/2022



#64

1,3-Dichlorobenzene

Concen: 2.282 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX030119.D

Acq: 19 Jul 2022 16:14

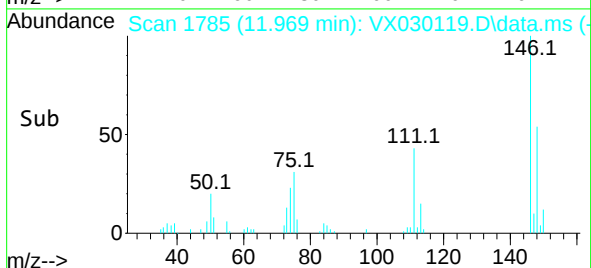
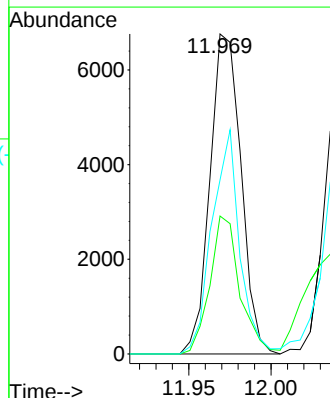
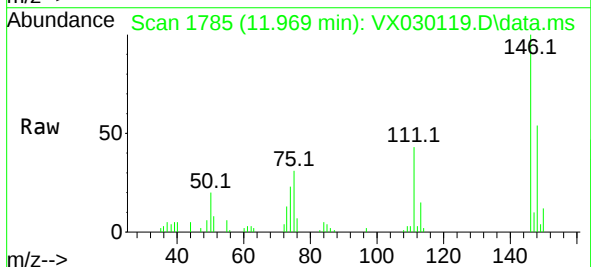
Tgt Ion:146 Resp: 8899

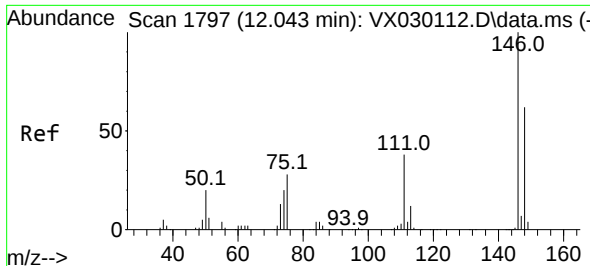
Ion Ratio Lower Upper

146 100

111 43.1 28.4 52.8

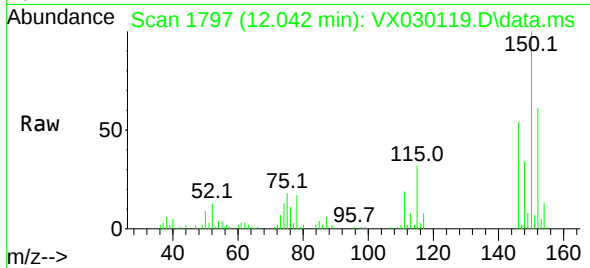
148 54.4 43.6 81.0





#65
1,4-Dichlorobenzene
Concen: 2.371 ug/L
RT: 12.042 min Scan# 111
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

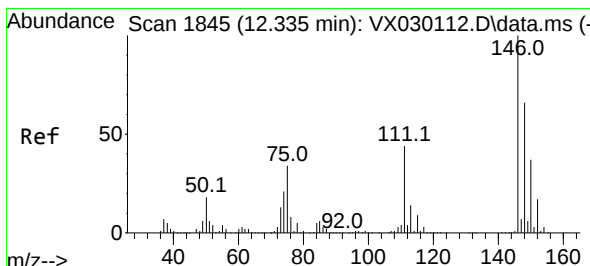
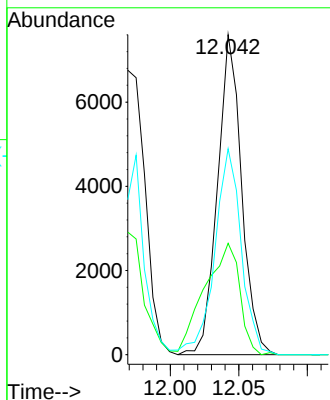
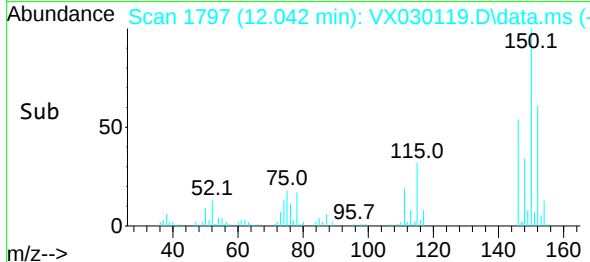
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



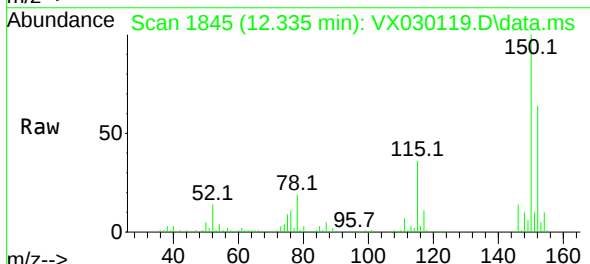
Tgt Ion:146 Resp: 9294
Ion Ratio Lower Upper
146 100
111 34.8 27.0 50.2
148 64.3 43.8 81.3

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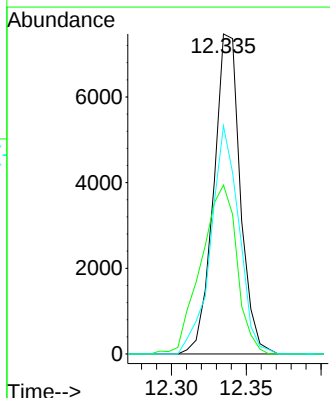
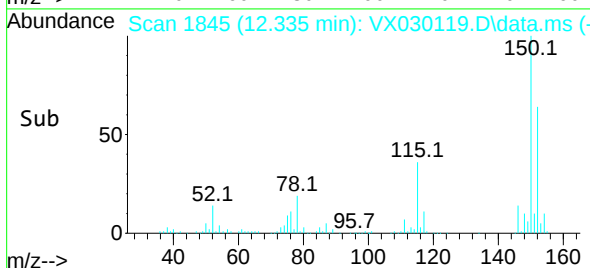
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022

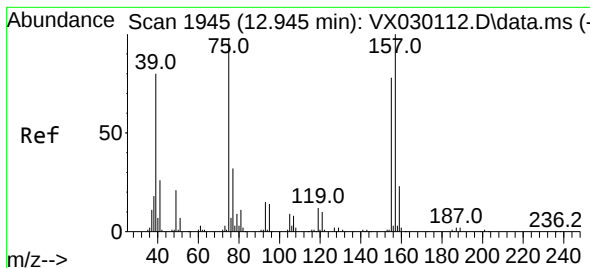


#67
1,2-Dichlorobenzene
Concen: 2.329 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14



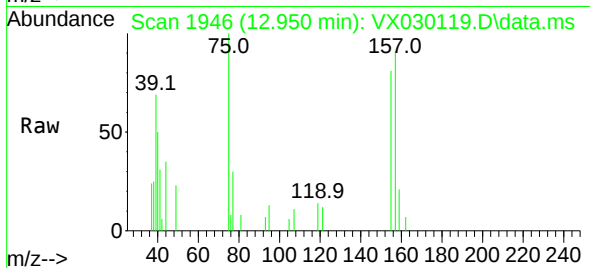
Tgt Ion:146 Resp: 9237
Ion Ratio Lower Upper
146 100
111 52.8 35.4 53.0
148 71.3 52.5 78.7





#68
1,2-Dibromo-3-chloropropane
Concen: 1.796 ug/L
RT: 12.950 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

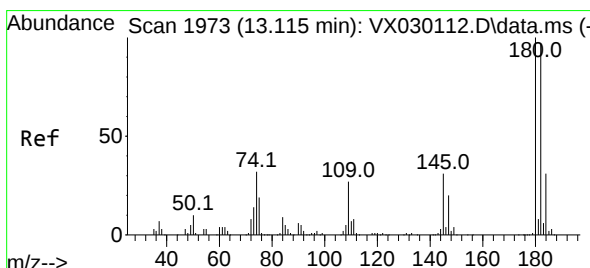
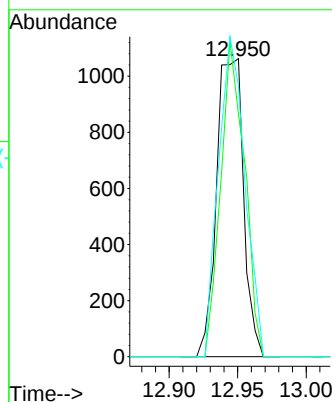
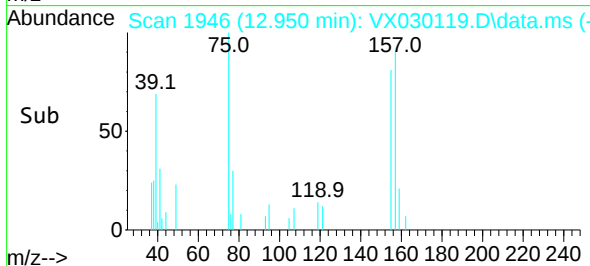
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03



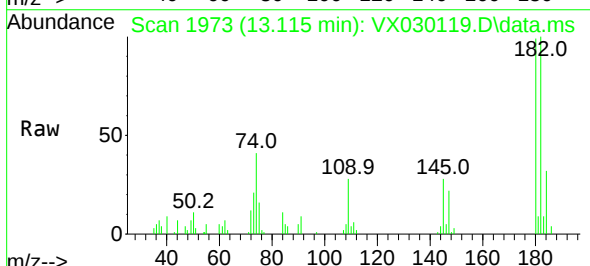
Tgt Ion: 75 Resp: 144
Ion Ratio Lower Upper
75 100
155 81.5 63.6 95.4
157 90.9 81.8 122.8

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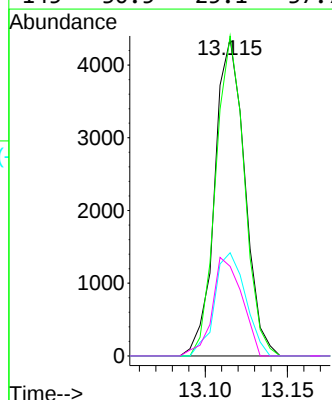
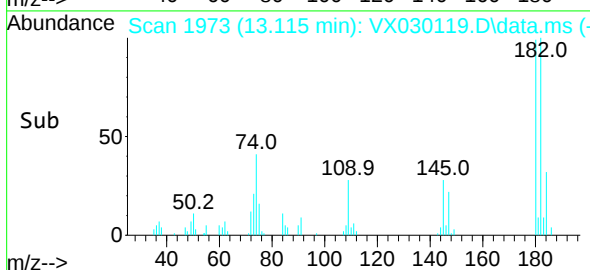
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022

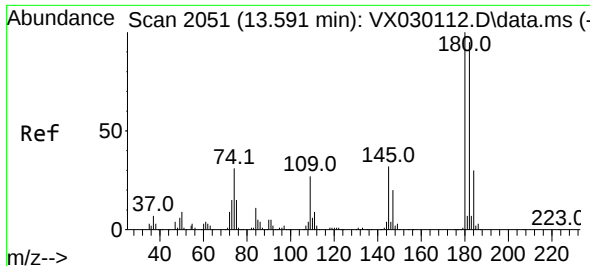


#69
1,3,5-Trichlorobenzene
Concen: 2.100 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14



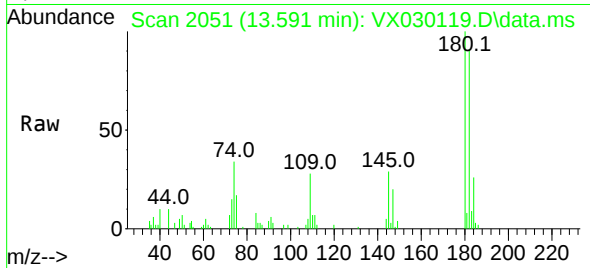
Tgt Ion:180 Resp: 5529
Ion Ratio Lower Upper
180 100
182 95.9 75.1 112.7
184 33.6 23.8 35.6
145 30.5 25.1 37.7





#70
1,2,4-trichlorobenzene
Concen: 2.193 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14

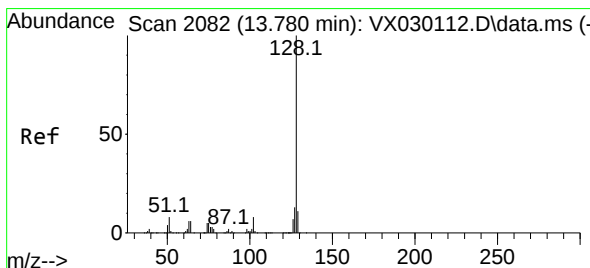
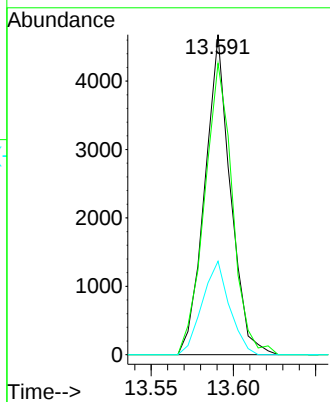
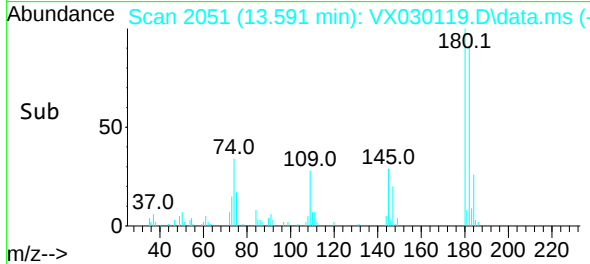
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2022-03



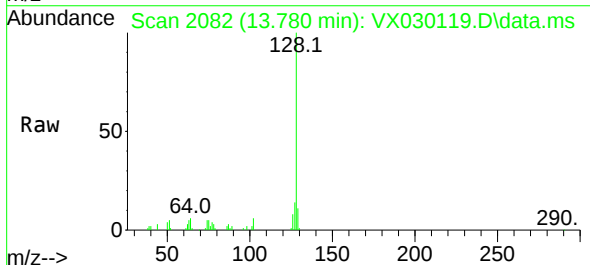
Tgt Ion:180 Resp: 5068
Ion Ratio Lower Upper
180 100
182 98.9 75.2 112.8
145 31.0 26.2 39.2

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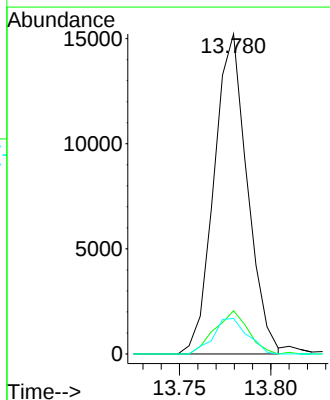
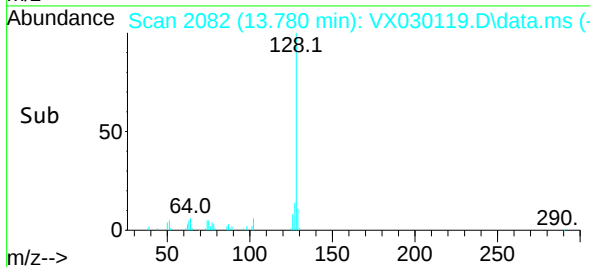
Reviewed By :John Carlone 07/20/2022
Supervised By :Mahesh Dadoda 07/20/2022

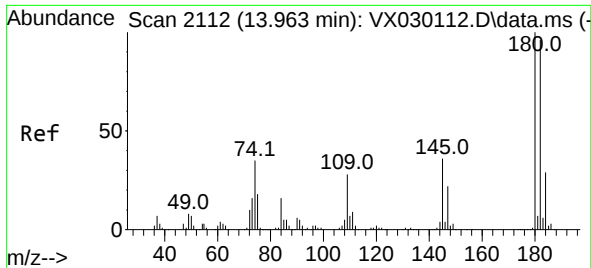


#71
Naphthalene
Concen: 2.038 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030119.D
Acq: 19 Jul 2022 16:14



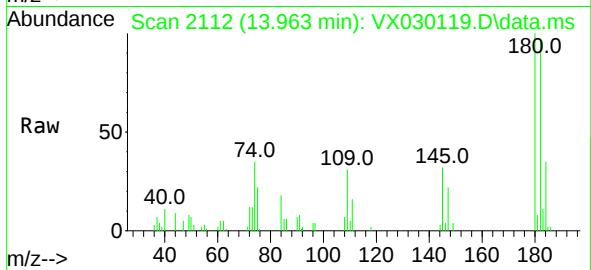
Tgt Ion:128 Resp: 19268
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.4 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.109 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX030119.D
 Acq: 19 Jul 2022 16:14

Instrument : MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-03



Tgt Ion:180 Resp: 5179
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.9 113.9
 145 38.6 28.0 42.0

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Reviewed By :John Carlone 07/20/2022
 Supervised By :Mahesh Dadoda 07/20/2022

