

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081522\
 Data File : VX030625.D
 Acq On : 15 Aug 2022 14:06
 Operator : JC/MD
 Sample : N4015-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

Quant Time: Aug 16 07:07:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 16 04:27:08 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/16/2022
 Supervised By : Mahesh Dadoda 08/16/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	281004	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	249671	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	112955	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	55303	30.646	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.300%
7) Chloroethane-d5	1.666	69	50897	40.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.020%
11) 1,1-Dichloroethene-d2	2.306	63	101093	29.616	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.240%#
21) 2-Butanone-d5	4.477	46	188993	113.033	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.030%
24) Chloroform-d	5.062	84	165556	44.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.140%
26) 1,2-Dichloroethane-d4	5.964	65	122150	48.428	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.860%
32) Benzene-d6	5.976	84	290793	40.660	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.320%
36) 1,2-Dichloropropane-d6	7.312	67	106746	46.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.000%
41) Toluene-d8	8.653	98	254667	37.777	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.560%#
43) trans-1,3-Dichloroprop...	8.952	79	46221	40.042	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.080%
47) 2-Hexanone-d5	9.390	63	123247	104.206	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.210%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	156029	51.188	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.380%
66) 1,2-Dichlorobenzene-d4	12.323	152	98734	45.066	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4870	2.303	ug/L	96
3) Chloromethane	1.288	50	4525	2.489	ug/L	90
5) Vinyl chloride	1.374	62	4746	2.444	ug/L #	52
6) Bromomethane	1.618	94	2013	2.206	ug/L	100
8) Chloroethane	1.691	64	2800	2.531	ug/L	86
9) Trichlorofluoromethane	1.886	101	7178	2.501	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	5321	3.117	ug/L	90
12) 1,1-Dichloroethene	2.313	96	4692	2.983	ug/L #	1
13) Acetone	2.398	43	7558	6.168	ug/L	92
14) Carbon disulfide	2.514	76	9771	1.917	ug/L #	90
15) Methyl Acetate	2.715	43	6819	2.688	ug/L	97
17) trans-1,2-Dichloroethene	3.099	96	4310	2.365	ug/L	81
18) Methyl tert-butyl Ether	3.117	73	16279	2.627	ug/L	98
19) 1,1-Dichloroethane	3.617	63	9724	2.759	ug/L	96
20) cis-1,2-Dichloroethene	4.489	96	5428m	2.648	ug/L	
22) 2-Butanone	4.580	43	9989m	5.167	ug/L	
23) Bromochloromethane	4.916	128	2420m	2.354	ug/L	
27) 1,2-Dichloroethane	6.092	62	7751	2.515	ug/L #	93
29) Cyclohexane	5.470	56	6877	2.072	ug/L #	54

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.391	97	8101m	2.460	ug/L	
31) Carbon tetrachloride	5.678	117	6255	2.301	ug/L #	43
33) Benzene	6.044	78	20556	2.568	ug/L	100
35) Methylcyclohexane	7.385	83	6962	2.063	ug/L	93
37) 1,2-Dichloropropane	7.434	63	5542	2.604	ug/L	98
38) Bromodichloromethane	7.830	83	7113	2.525	ug/L	97
39) cis-1,3-Dichloropropene	8.372	75	8021	2.526	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	17996	4.855	ug/L	98
42) Toluene	8.720	91	20804	2.460	ug/L	97
44) trans-1,3-Dichloropropene	8.982	75	8130	2.616	ug/L	88
45) 1,1,2-Trichloroethane	9.153	97	5135	2.595	ug/L	88
46) Tetrachloroethene	9.275	164	3764	2.569	ug/L	85
49) Dibromochloromethane	9.525	129	5318	2.526	ug/L	83
50) 1,2-Dibromoethane	9.610	107	5449	2.504	ug/L #	85
51) Chlorobenzene	10.086	112	13311	2.527	ug/L	92
52) Ethylbenzene	10.195	91	21276	2.307	ug/L	92
53) m,p-Xylene	10.299	106	7827	2.277	ug/L	93
54) o-Xylene	10.646	106	7767	2.268	ug/L	89
55) Styrene	10.659	104	12014	2.083	ug/L	90
57) 1,1,2,2-Tetrachloroethane	11.213	83	9394	3.120	ug/L	91
59) Bromoform	10.805	173	2980	2.423	ug/L	95
60) Isopropylbenzene	10.963	105	19669	2.457	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	7210	2.972	ug/L	93
62) 1,3,5-Trimethylbenzene	11.457	105	15813	2.313	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	15450	2.238	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	8485	2.438	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	9424	2.664	ug/L	89
67) 1,2-Dichlorobenzene	12.335	146	9394	2.610	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.945	75	1840	2.299	ug/L	95
69) 1,3,5-Trichlorobenzene	13.115	180	5931m	2.430	ug/L	
70) 1,2,4-trichlorobenzene	13.591	180	5212	2.431	ug/L	96
71) Naphthalene	13.780	128	17685	1.993	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	4857	2.145	ug/L	94

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

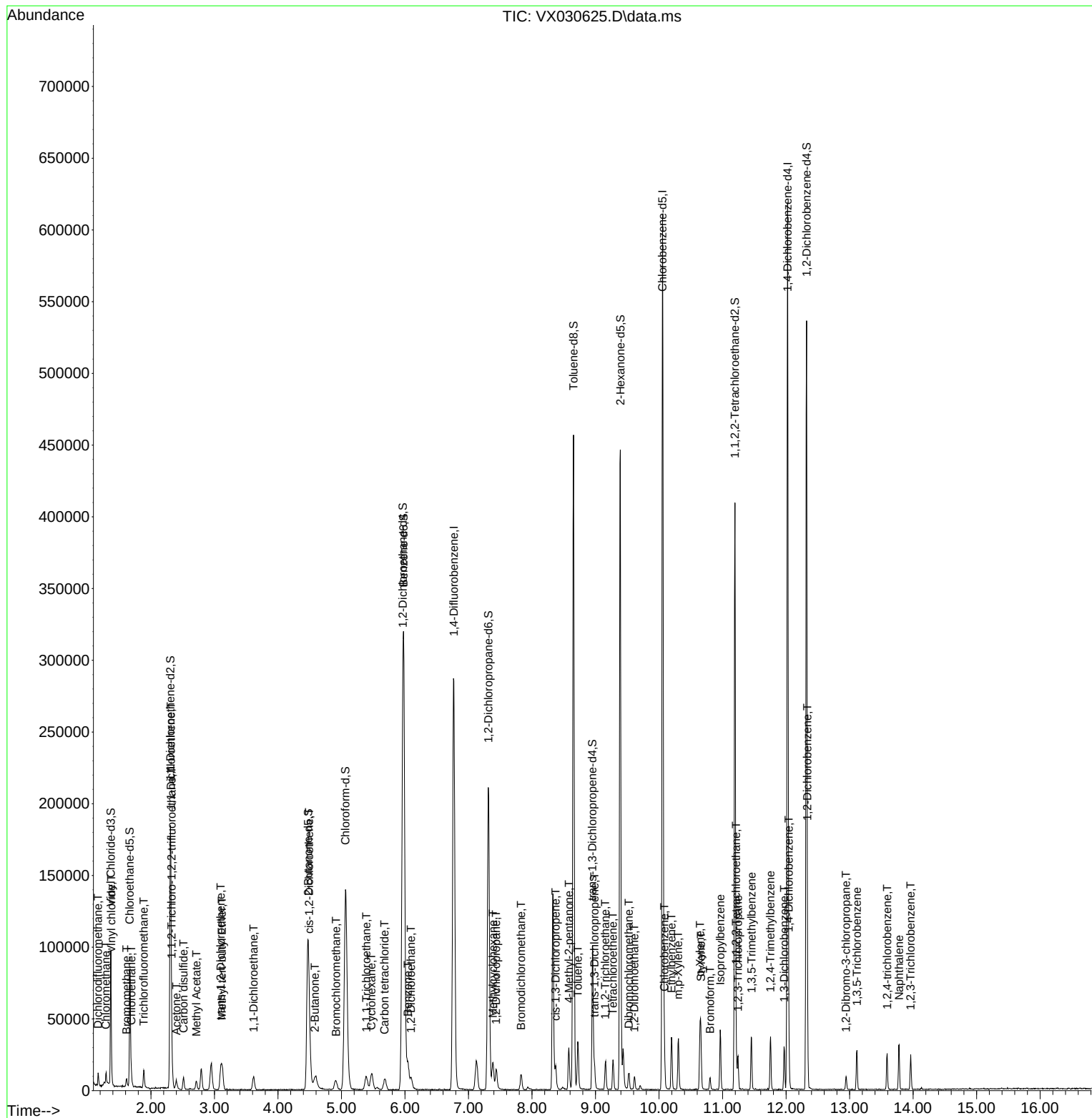
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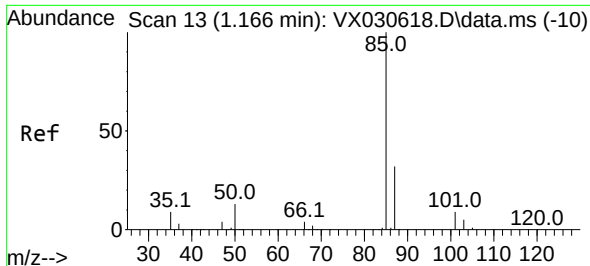
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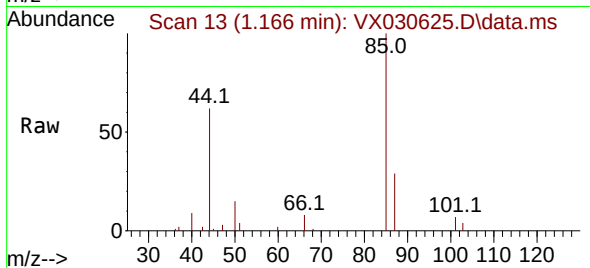
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#2
Dichlorodifluoromethane
Concen: 2.303 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

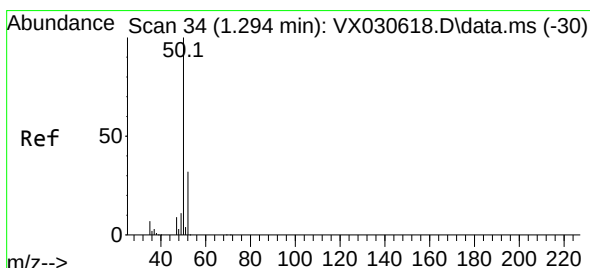
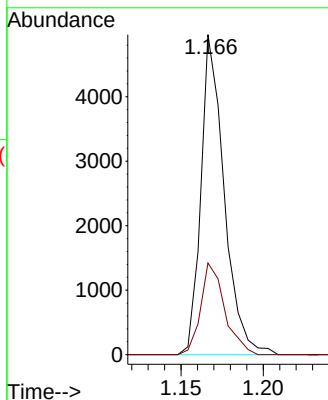
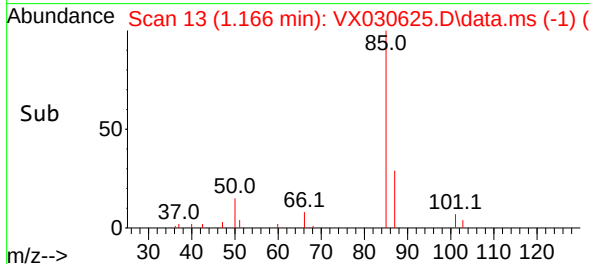
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05



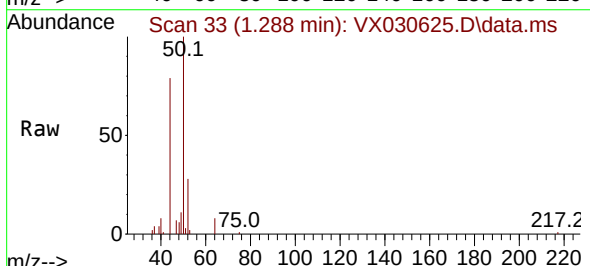
Tgt Ion: 85 Resp: 4870
Ion Ratio Lower Upper
85 100
87 29.5 25.6 38.4

Manual Integrations
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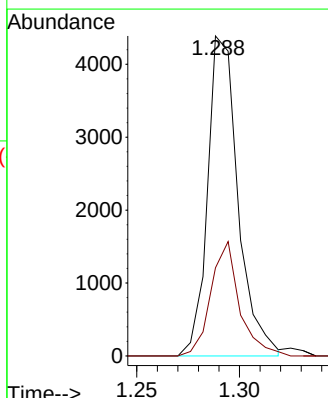
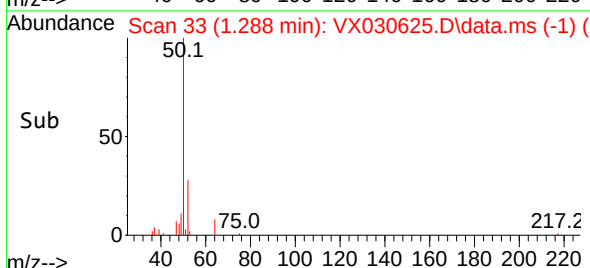
Reviewed By :John Carlone 08/16/2022
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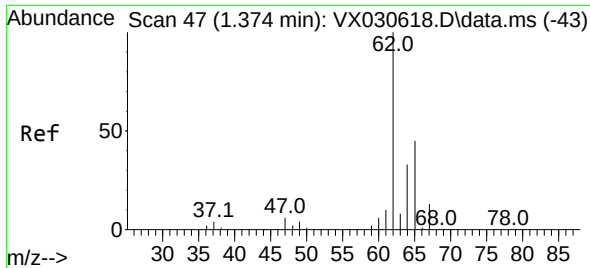


#3
Chloromethane
Concen: 2.489 ug/L
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06



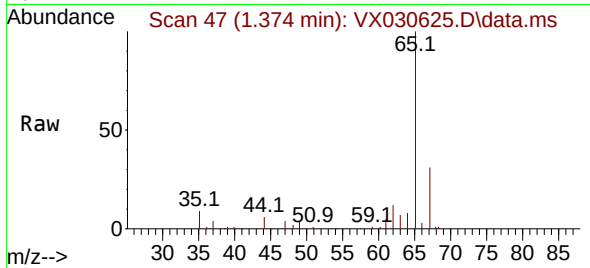
Tgt Ion: 50 Resp: 4525
Ion Ratio Lower Upper
50 100
52 27.6 23.3 43.3





#5
 Vinyl chloride
 Concen: 2.444 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030625.D
 Acq: 15 Aug 2022 14:06

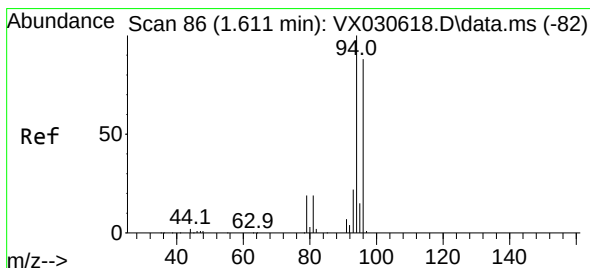
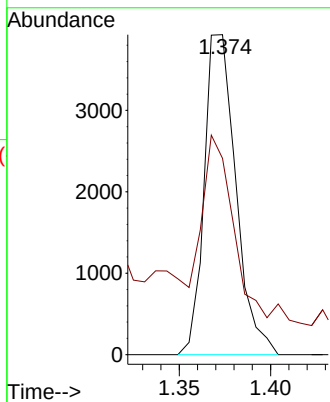
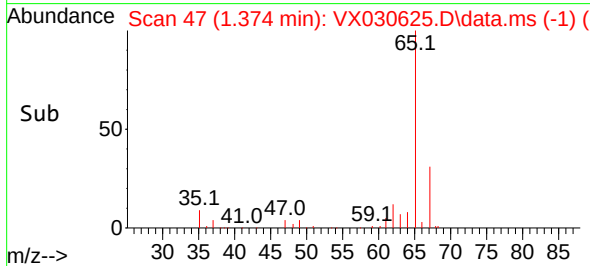
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT3-2022-05



Tgt Ion: 62 Resp: 4740
 Ion Ratio Lower Upper
 62 100
 64 61.4 23.8 44.2

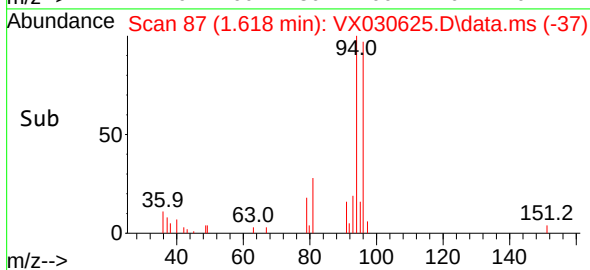
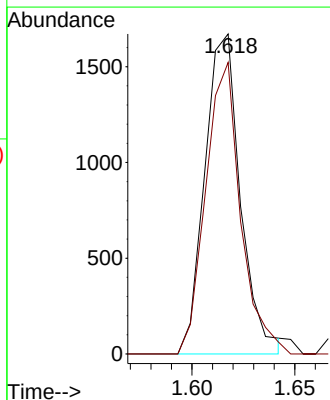
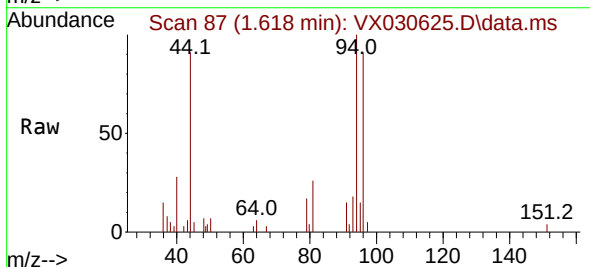
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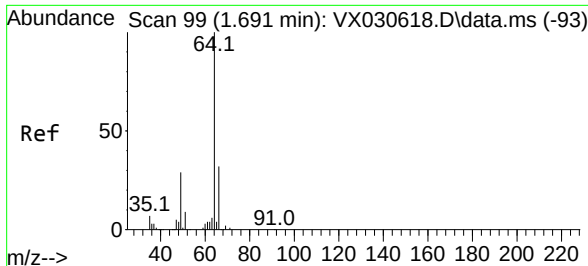
Reviewed By :John Carlone 08/16/2022
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#6
 Bromomethane
 Concen: 2.206 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. 0.006 min
 Lab File: VX030625.D
 Acq: 15 Aug 2022 14:06

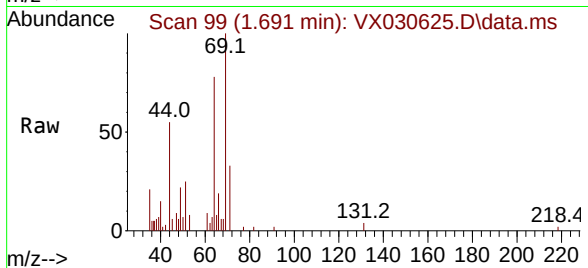
Tgt Ion: 94 Resp: 2013
 Ion Ratio Lower Upper
 94 100
 96 91.1 63.8 118.6





#8
Chloroethane
Concen: 2.531 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

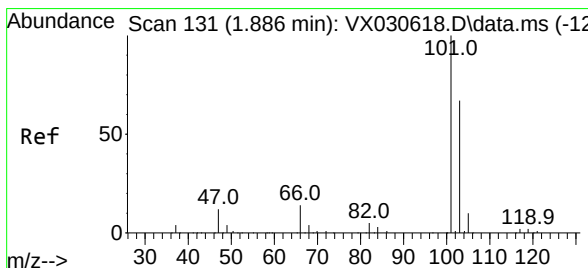
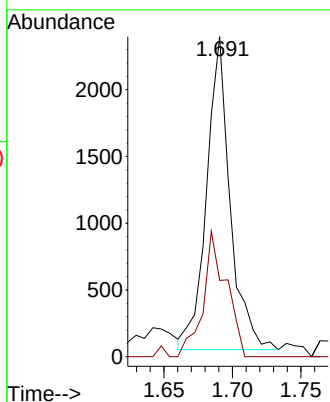
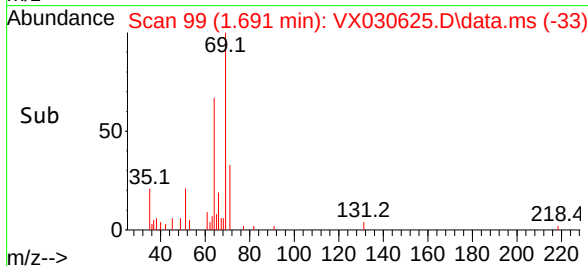
Instrument : MSVOA_X
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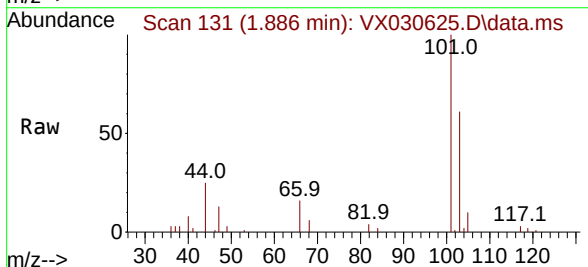
Tgt Ion: 64 Resp: 2800
Ion Ratio Lower Upper
64 100
66 23.9 22.1 41.1

Manual Integrations
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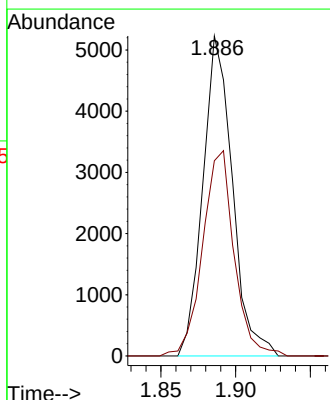
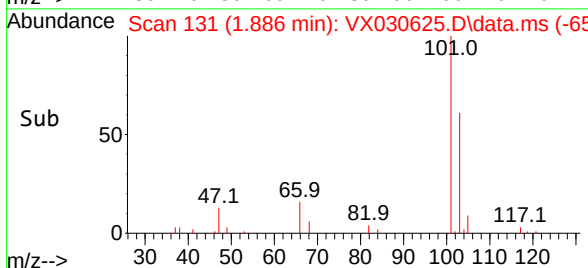
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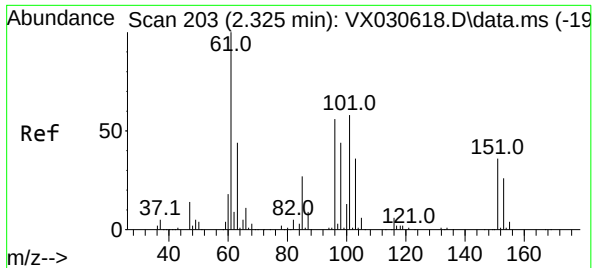


#9
Trichlorofluoromethane
Concen: 2.501 ug/L
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06



Tgt Ion:101 Resp: 7178
Ion Ratio Lower Upper
101 100
103 68.4 51.5 77.3





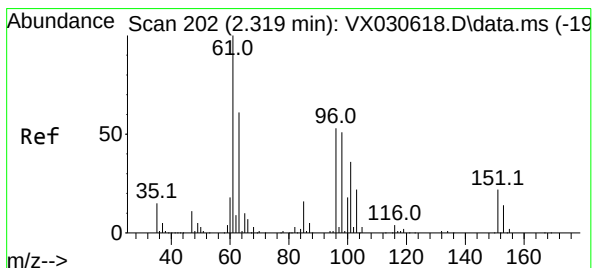
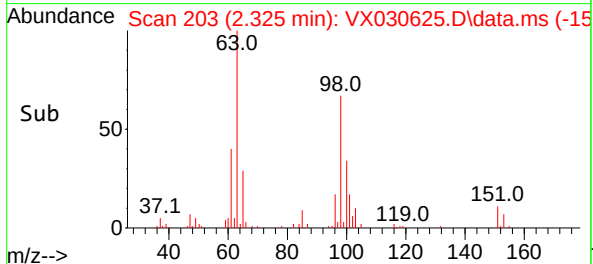
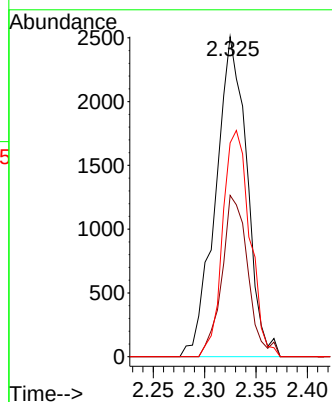
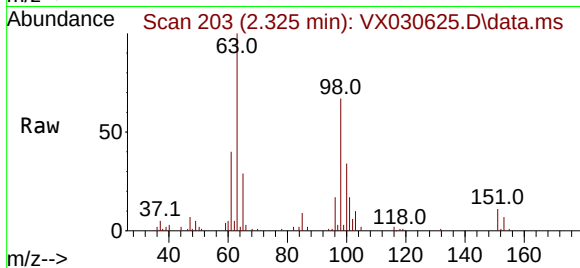
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.117 ug/L
RT: 2.325 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX030625.D
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Tgt Ion: 101 Resp: 532
Ion Ratio Lower Upper
101 100
85 41.0 35.3 52.9
151 61.6 58.3 87.5

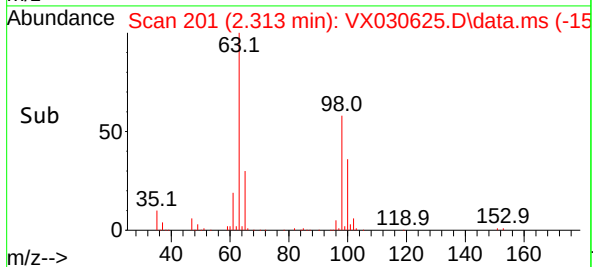
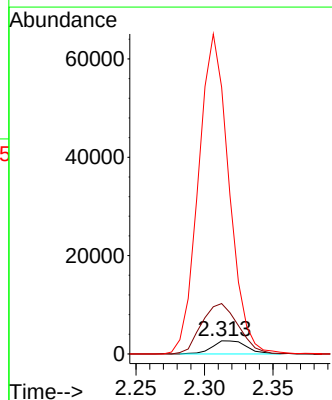
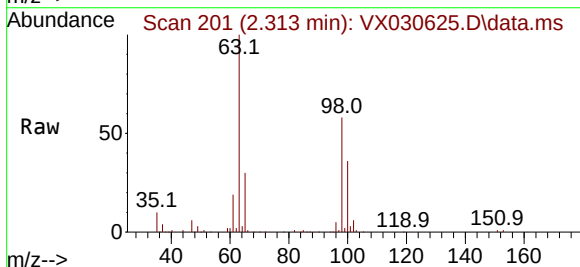
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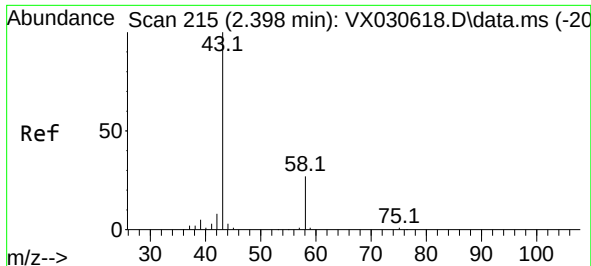
Reviewed By : John Carlone 08/16/2022
Supervised By : Mahesh Dadoda 08/16/2022



#12
1,1-Dichloroethene
Concen: 2.983 ug/L
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion: 96 Resp: 4692
Ion Ratio Lower Upper
96 100
61 381.4 130.2 241.8#
63 2018.9 113.5 210.9#





#13

Acetone

Concen: 6.168 ug/L

RT: 2.398 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX030625.D

Acq: 15 Aug 2022 14:06

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 43 Resp: 7558

Ion Ratio Lower Upper

43 100

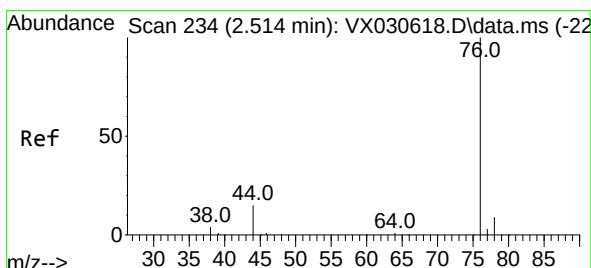
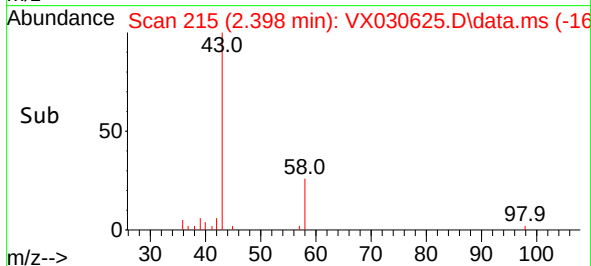
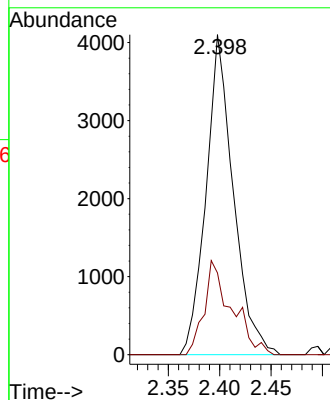
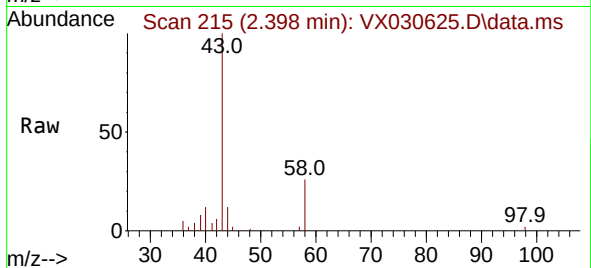
58 24.4 0.0 57.8

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#14

Carbon disulfide

Concen: 1.917 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX030625.D

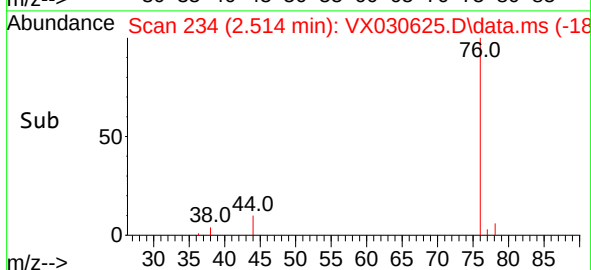
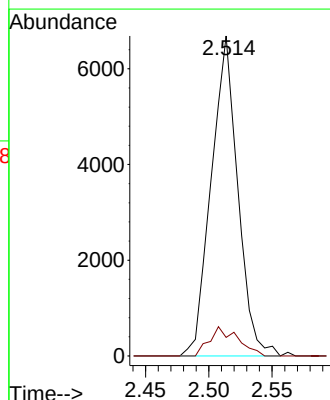
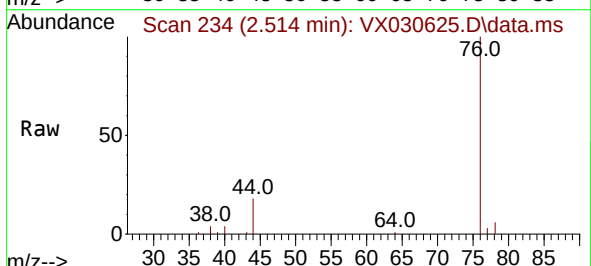
Acq: 15 Aug 2022 14:06

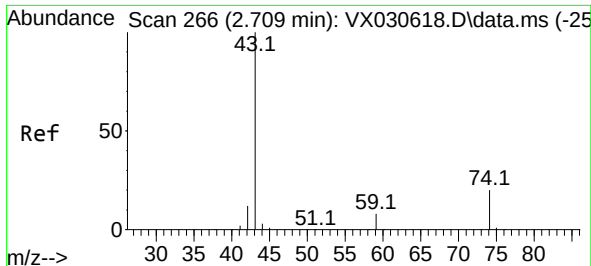
Tgt Ion: 76 Resp: 9771

Ion Ratio Lower Upper

76 100

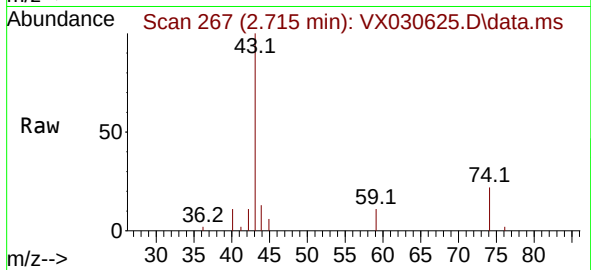
78 5.8 7.4 11.2#





#15
Methyl Acetate
Concen: 2.688 ug/L
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

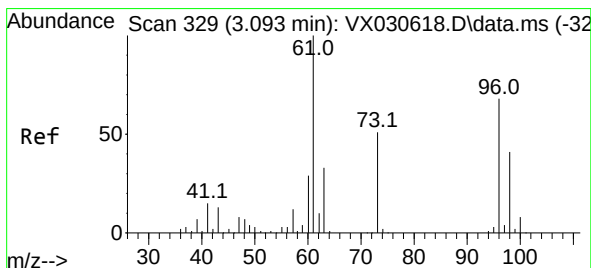
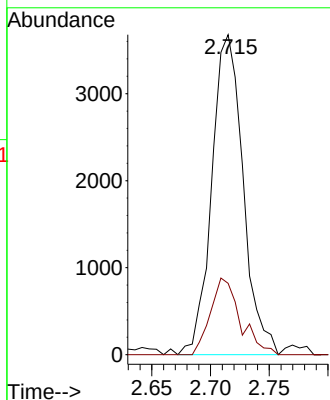
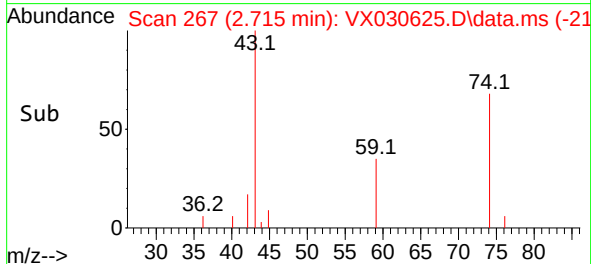
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05



Tgt Ion: 43 Resp: 6819
Ion Ratio Lower Upper
43 100
74 22.8 17.2 25.8

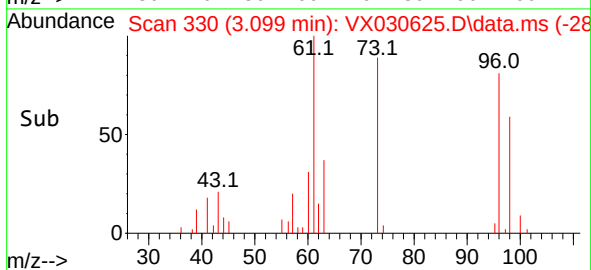
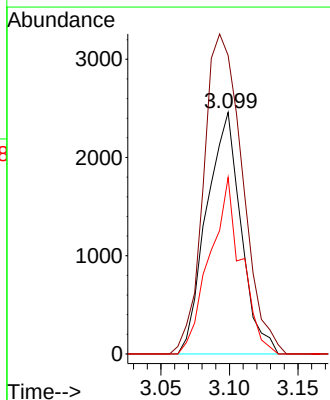
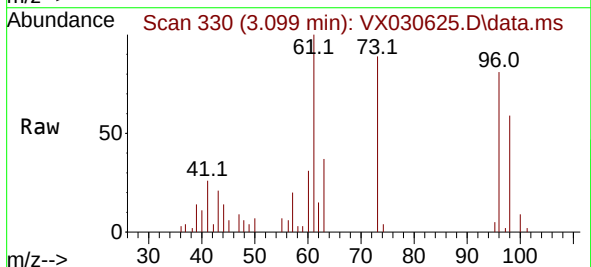
Manual Integrations
APPROVED

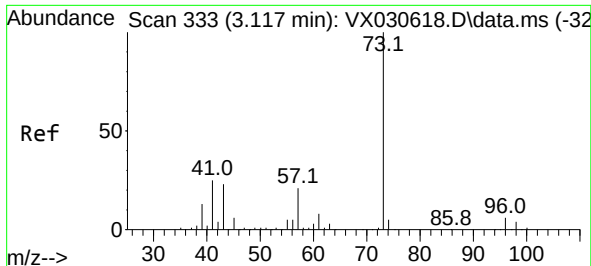
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#17
trans-1,2-Dichloroethene
Concen: 2.365 ug/L
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

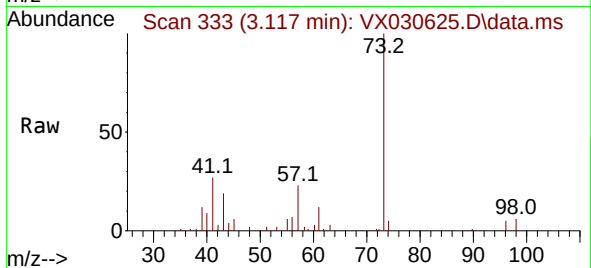
Tgt Ion: 96 Resp: 4310
Ion Ratio Lower Upper
96 100
61 123.6 103.7 192.5
98 73.0 41.5 77.1





#18
Methyl tert-butyl Ether
Concen: 2.627 ug/L
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

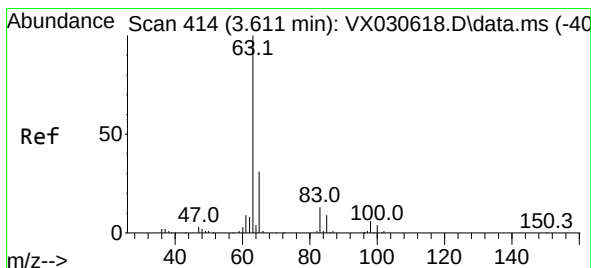
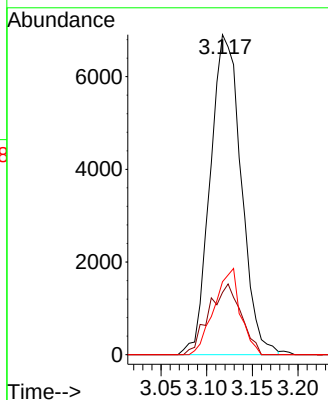
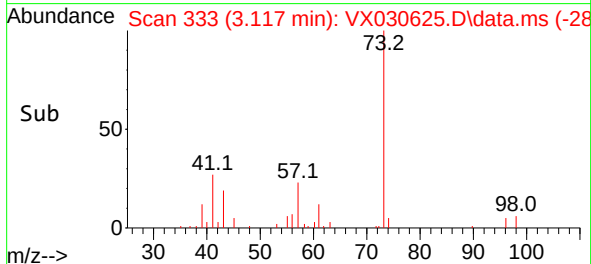
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05



Tgt Ion: 73 Resp: 16279
Ion Ratio Lower Upper
73 100
43 23.1 17.6 26.4
57 22.7 17.5 26.3

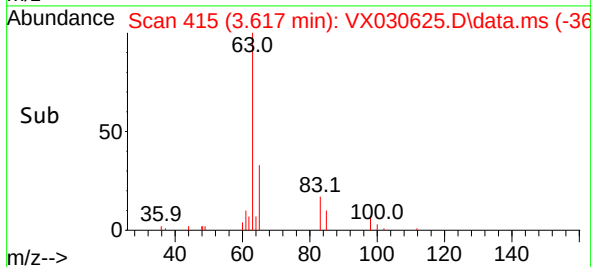
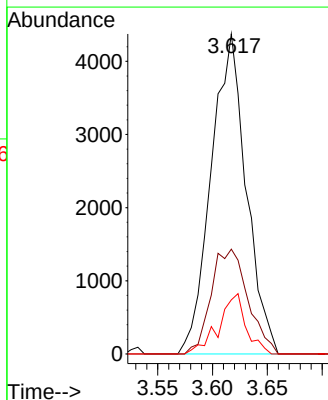
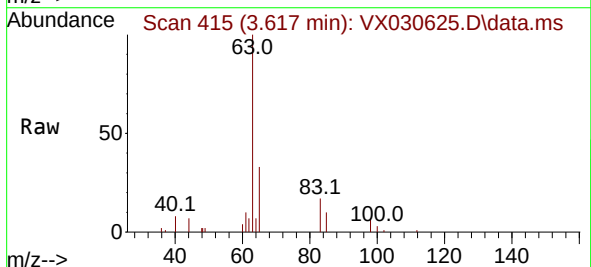
Manual Integrations
APPROVED

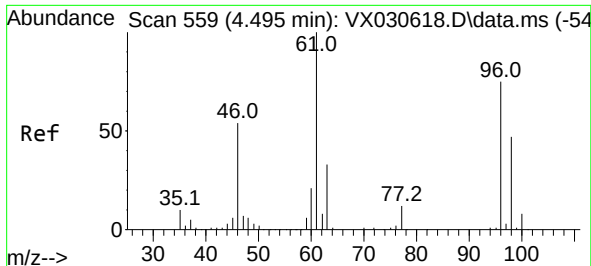
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#19
1,1-Dichloroethane
Concen: 2.759 ug/L
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion: 63 Resp: 9724
Ion Ratio Lower Upper
63 100
65 32.7 22.0 40.8
83 16.9 9.9 18.3





#20

cis-1,2-Dichloroethene

Concen: 2.648 ug/L m

RT: 4.489 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX030625.D

Acq: 15 Aug 2022 14:06

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2022-05

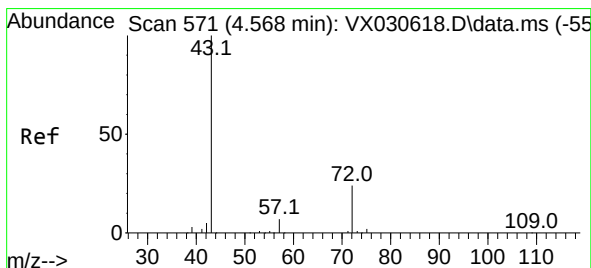
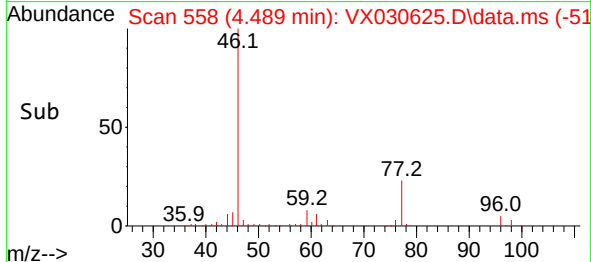
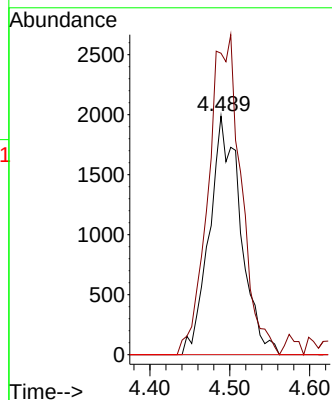
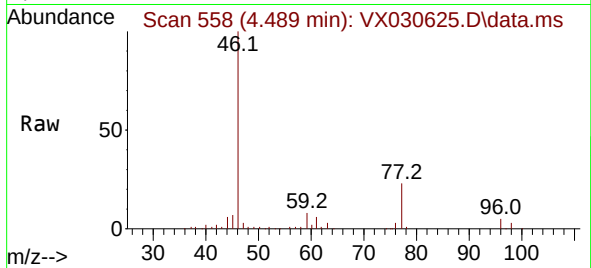
Tgt Ion:	96	Resp:	5428
Ion Ratio	Lower	Upper	
96	100		
61	126.4	94.0	174.6
68	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#22

2-Butanone

Concen: 5.167 ug/L m

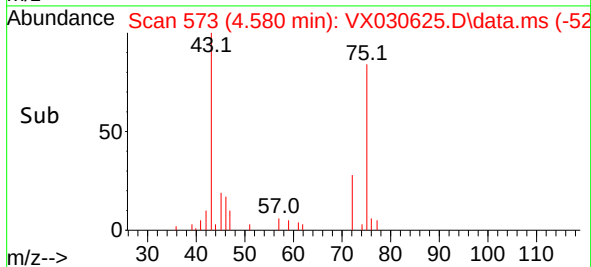
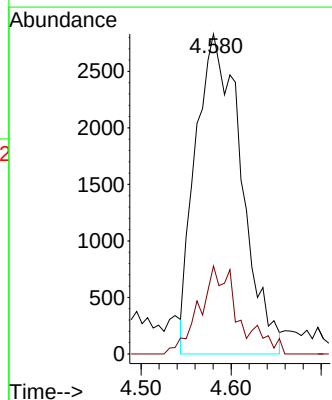
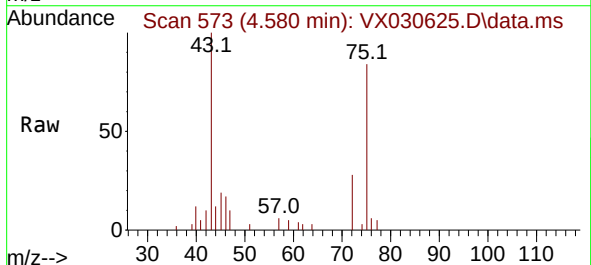
RT: 4.580 min Scan# 573

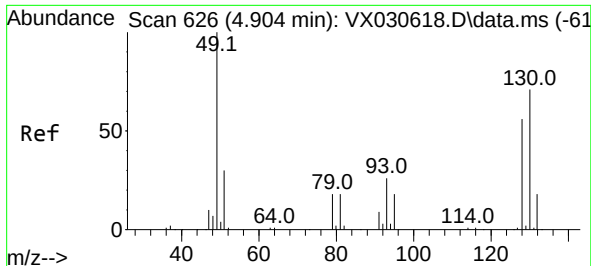
Delta R.T. 0.012 min

Lab File: VX030625.D

Acq: 15 Aug 2022 14:06

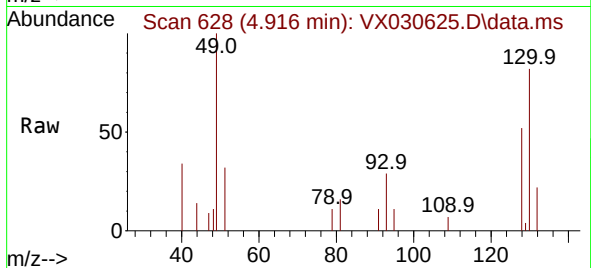
Tgt Ion:	43	Resp:	9989
Ion Ratio	Lower	Upper	
43	100		
72	12.5	11.7	35.1





#23
Bromochloromethane
Concen: 2.354 ug/L m
RT: 4.916 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

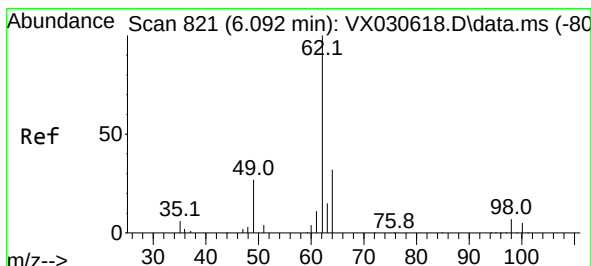
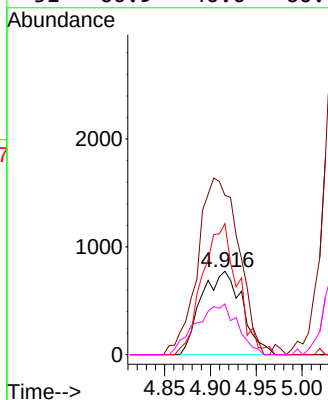
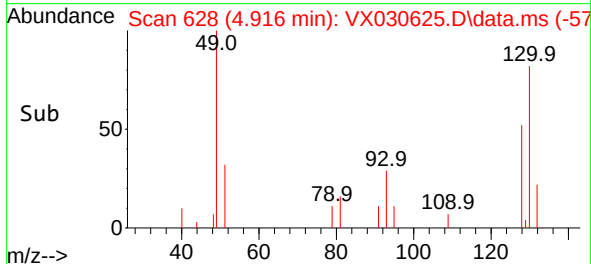
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05



Tgt Ion:128 Resp: 2420
Ion Ratio Lower Upper
128 100
49 190.9 116.8 216.8
130 157.2 90.3 167.7
51 60.9 40.0 60.0#

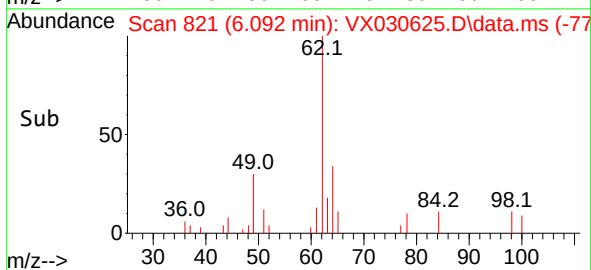
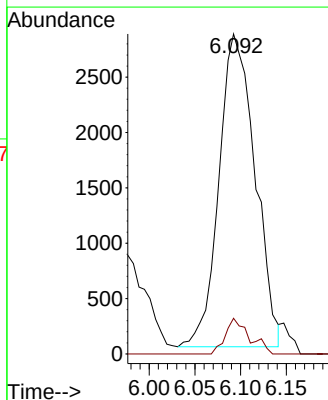
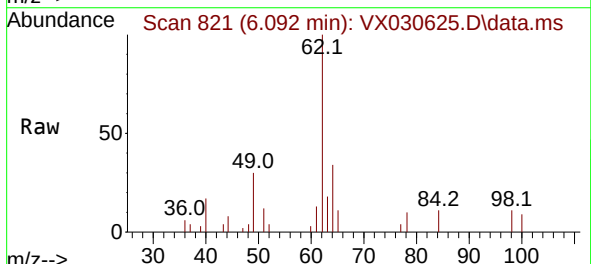
Manual Integrations
APPROVED

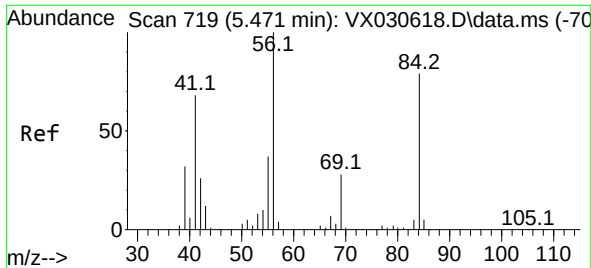
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#27
1,2-Dichloroethane
Concen: 2.515 ug/L
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

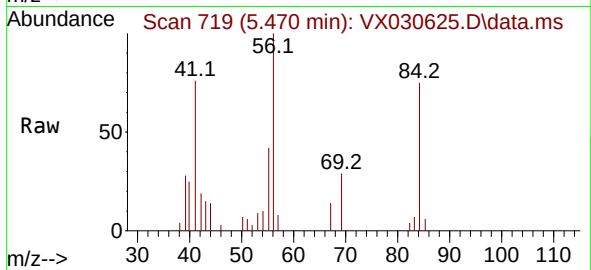
Tgt Ion: 62 Resp: 7751
Ion Ratio Lower Upper
62 100
98 11.1 7.0 10.6#





#29
Cyclohexane
Concen: 2.072 ug/L
RT: 5.470 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

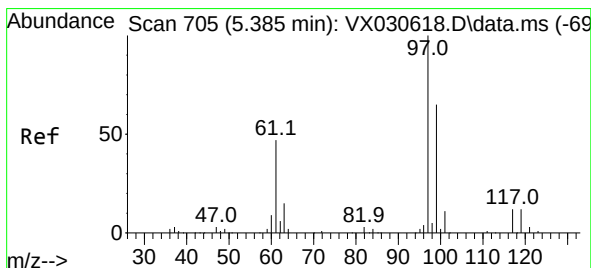
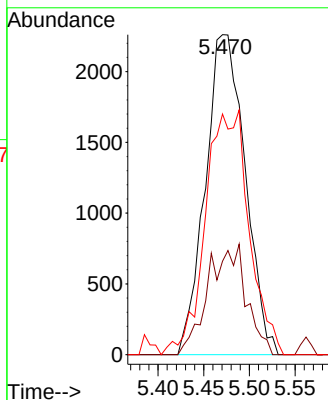
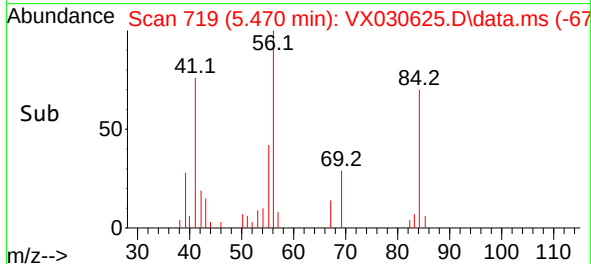
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05



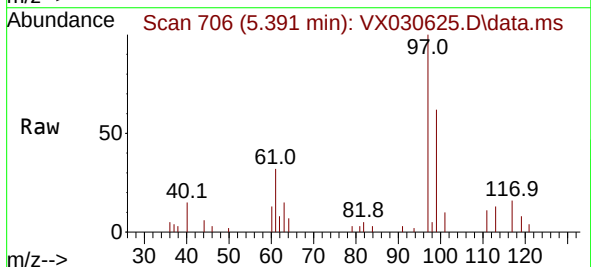
Tgt Ion: 56 Resp: 687
Ion Ratio Lower Upper
56 100
69 3.1 24.3 36.5
84 42.7 66.7 100.1

Manual Integrations
APPROVED

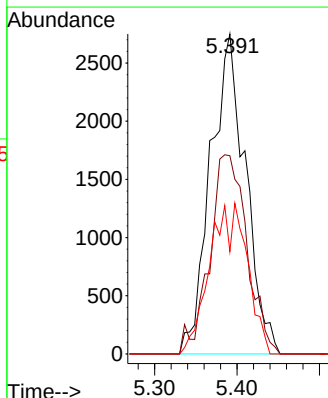
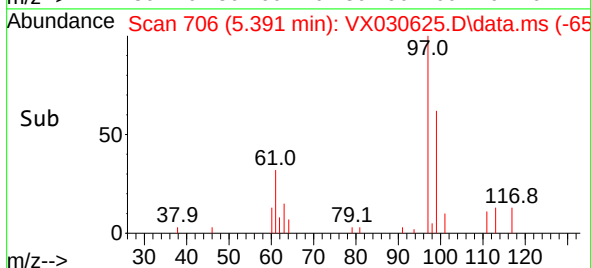
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022

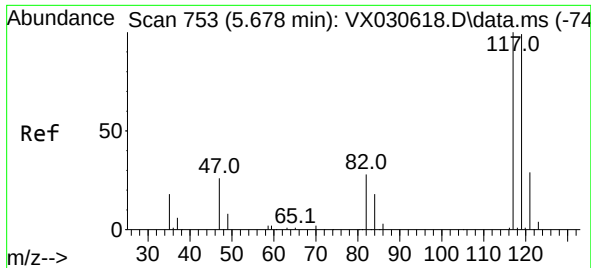


#30
1,1,1-Trichloroethane
Concen: 2.460 ug/L m
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06



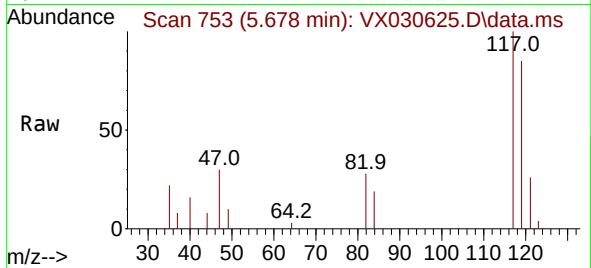
Tgt Ion: 97 Resp: 8101
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 29.0 37.0 55.6





#31
Carbon tetrachloride
Concen: 2.301 ug/L
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

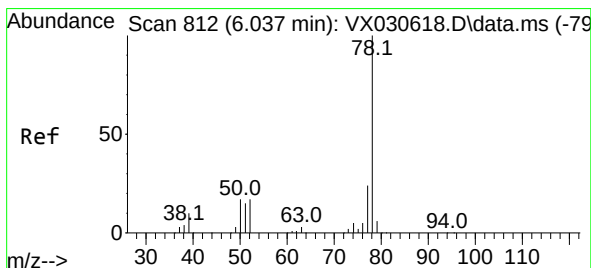
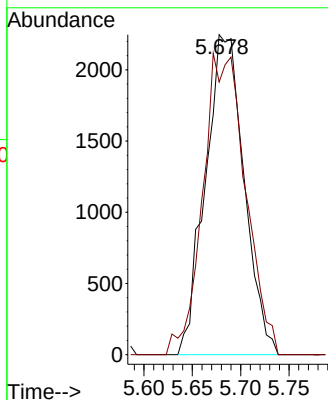
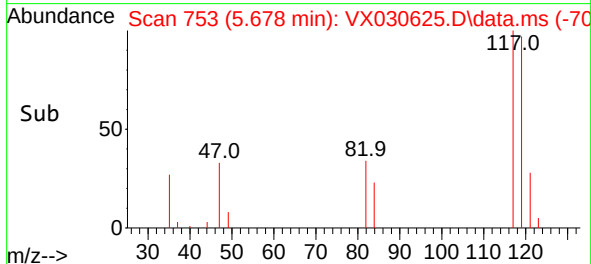
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05



Tgt Ion:117 Resp: 625
Ion Ratio Lower Upper
117 100
119 40.0 76.2 114.2

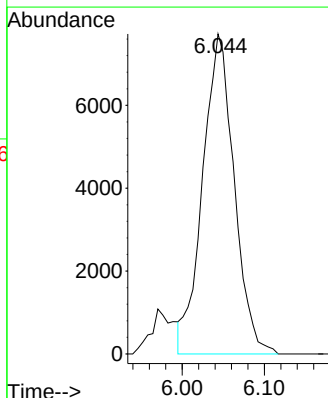
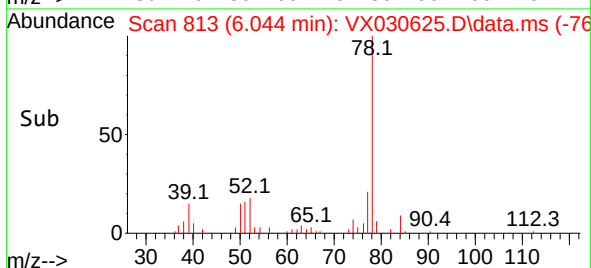
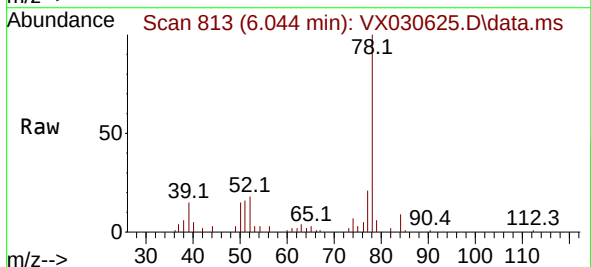
Manual Integrations
APPROVED

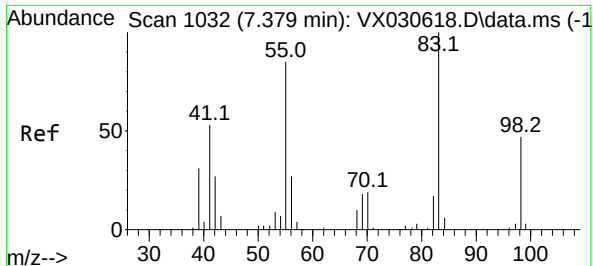
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#33
Benzene
Concen: 2.568 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion: 78 Resp: 20556





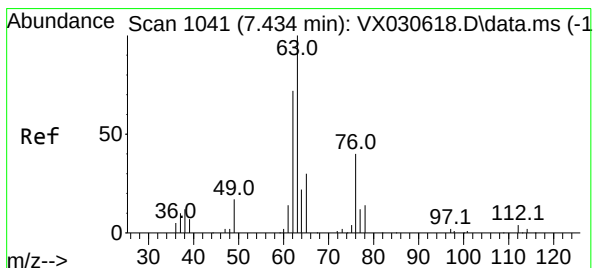
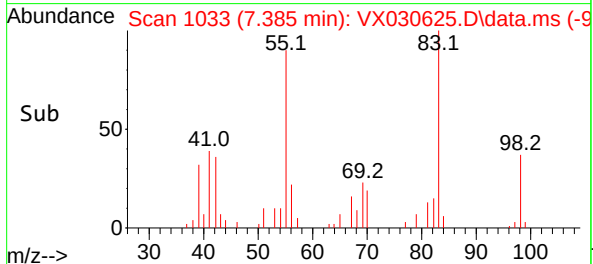
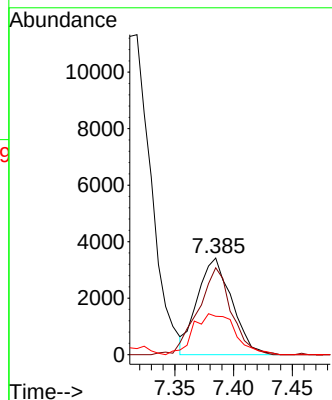
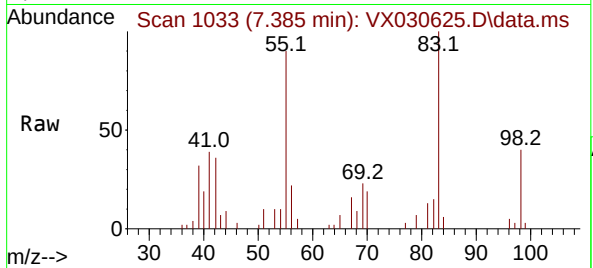
#35
Methylcyclohexane
Concen: 2.063 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 83 Resp: 6962
Ion Ratio Lower Upper
83 100
55 85.8 64.0 96.0
98 51.6 36.7 55.1

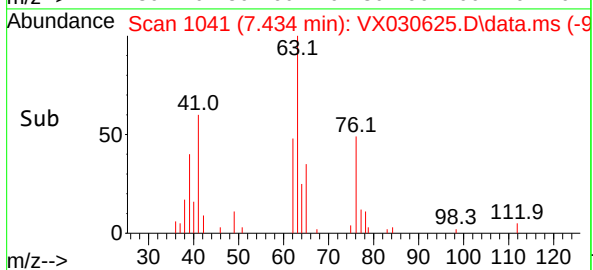
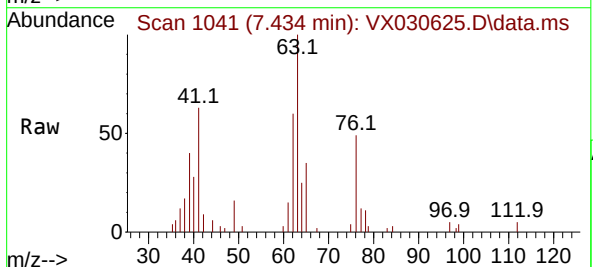
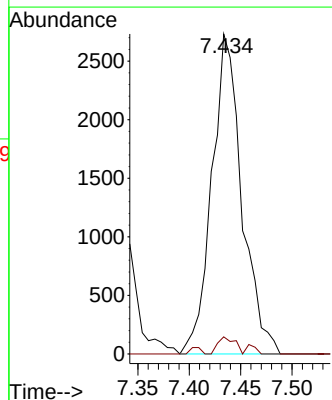
Manual Integrations
APPROVED

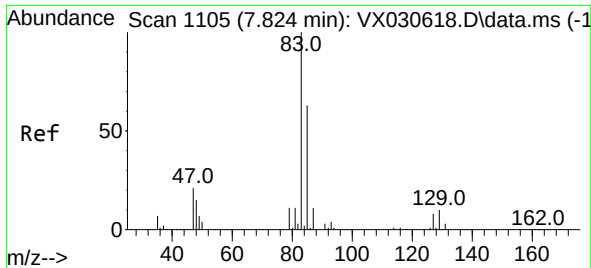
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#37
1,2-Dichloropropane
Concen: 2.604 ug/L
RT: 7.434 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion: 63 Resp: 5542
Ion Ratio Lower Upper
63 100
112 3.0 3.0 4.4





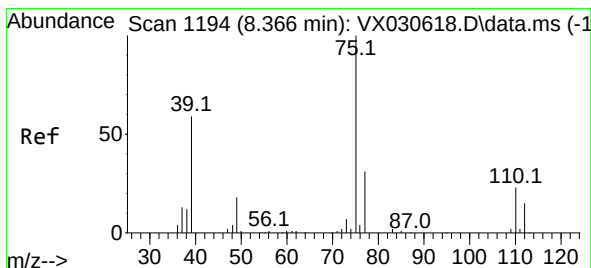
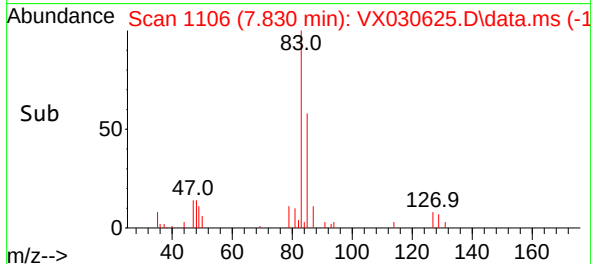
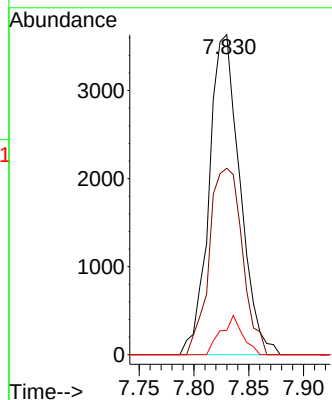
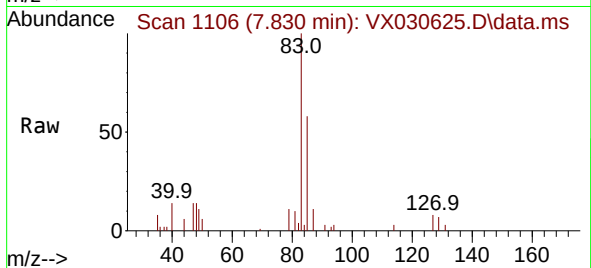
#38
Bromodichloromethane
Concen: 2.525 ug/L
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 83 Resp: 711
Ion Ratio Lower Upper
83 100
85 58.2 42.5 78.9
127 7.6 6.2 9.2

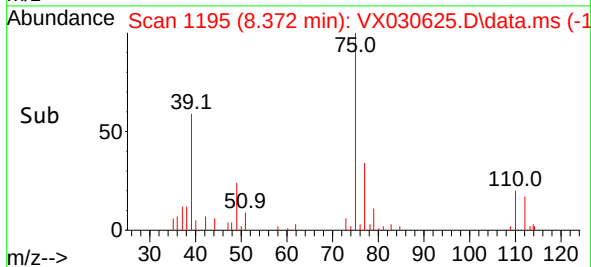
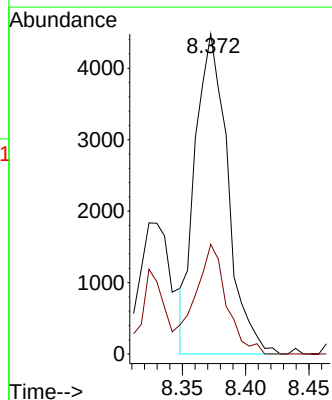
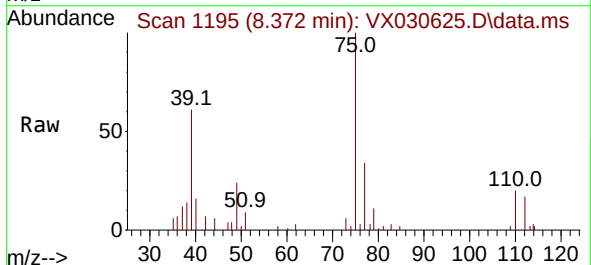
Manual Integrations
APPROVED

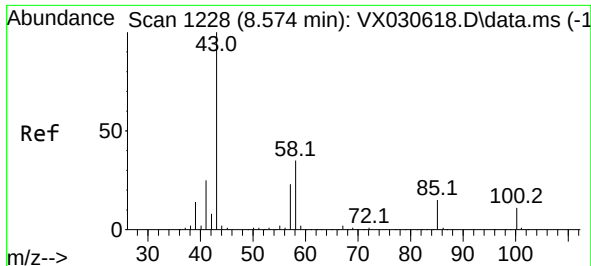
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#39
cis-1,3-Dichloropropene
Concen: 2.526 ug/L
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion: 75 Resp: 8021
Ion Ratio Lower Upper
75 100
77 34.3 22.4 41.6





#40

4-Methyl-2-pentanone

Concen: 4.855 ug/L

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX030625.D

Acq: 15 Aug 2022 14:06

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2022-05

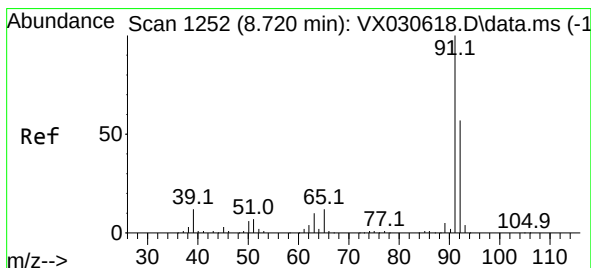
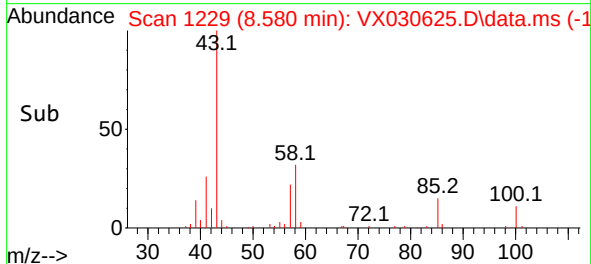
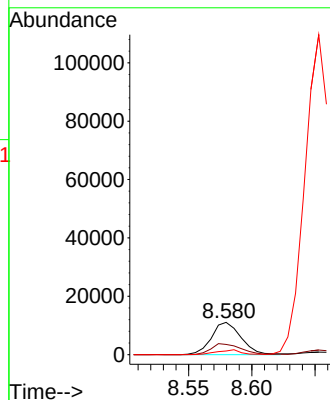
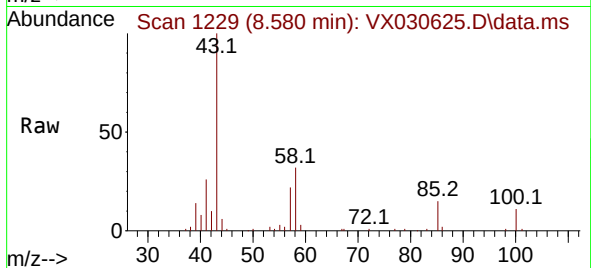
Tgt Ion: 43	Resp: 17990
Ion Ratio	Lower Upper
43	100
58	34.8 29.0 43.6
100	12.3 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#42

Toluene

Concen: 2.460 ug/L

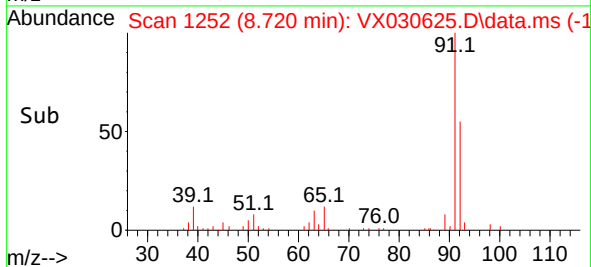
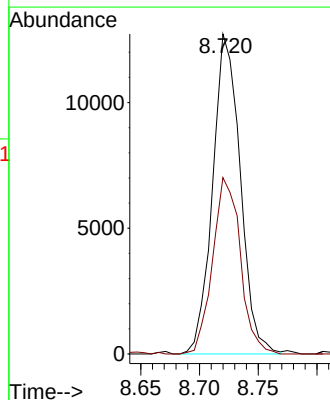
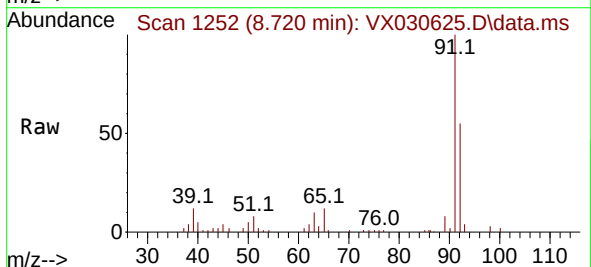
RT: 8.720 min Scan# 1252

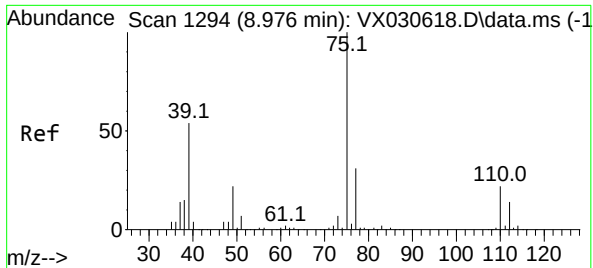
Delta R.T. -0.000 min

Lab File: VX030625.D

Acq: 15 Aug 2022 14:06

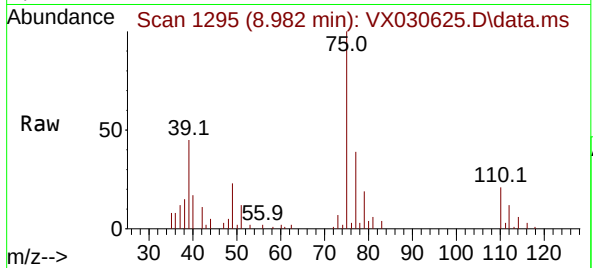
Tgt Ion: 91	Resp: 20804
Ion Ratio	Lower Upper
91	100
92	55.1 40.0 74.4





#44
trans-1,3-Dichloropropene
Concen: 2.616 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

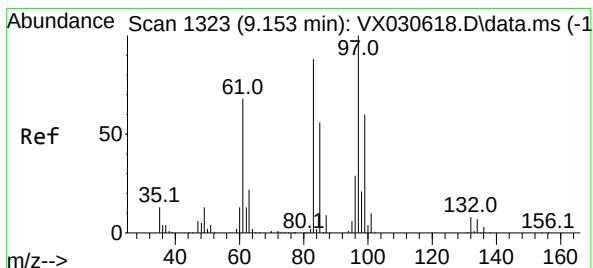
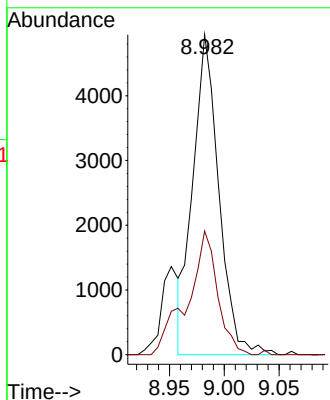
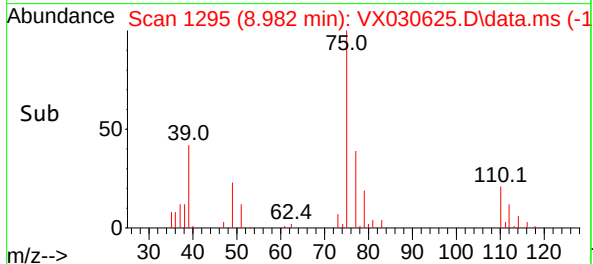
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05



Tgt Ion: 75 Resp: 8130
Ion Ratio Lower Upper
75 100
77 38.6 22.5 41.7

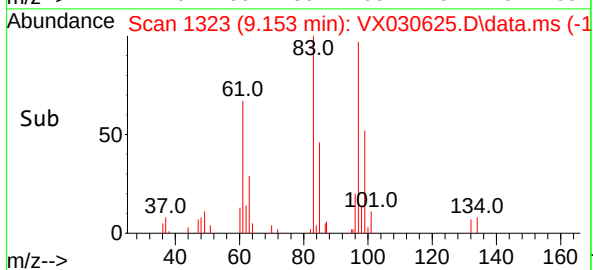
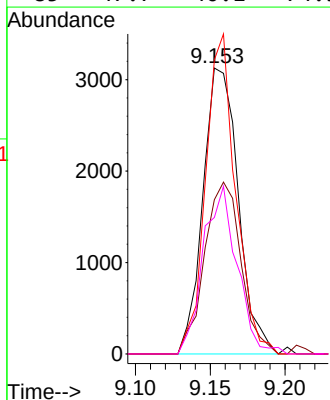
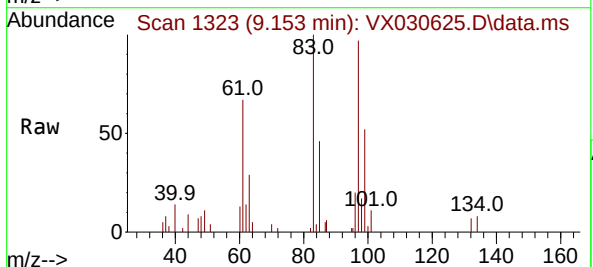
Manual Integrations
APPROVED

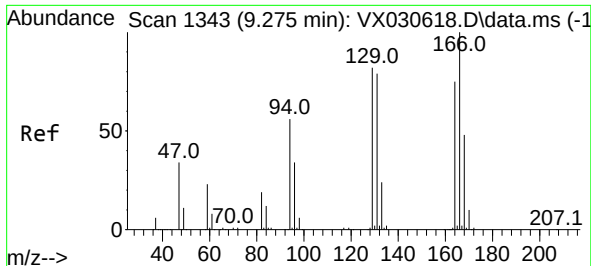
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#45
1,1,2-Trichloroethane
Concen: 2.595 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

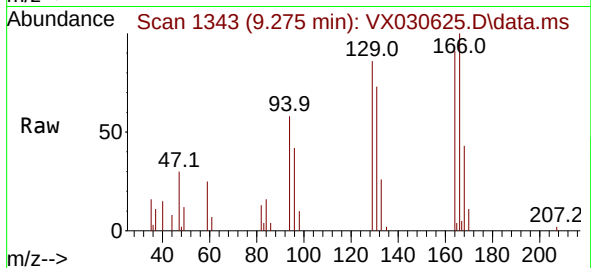
Tgt Ion: 97 Resp: 5135
Ion Ratio Lower Upper
97 100
99 53.9 43.3 80.3
83 102.8 63.0 117.0
85 47.7 40.1 74.5





#46
Tetrachloroethene
Concen: 2.569 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

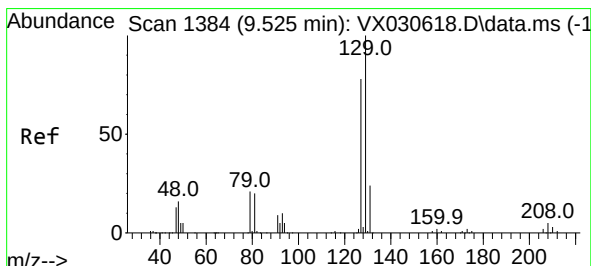
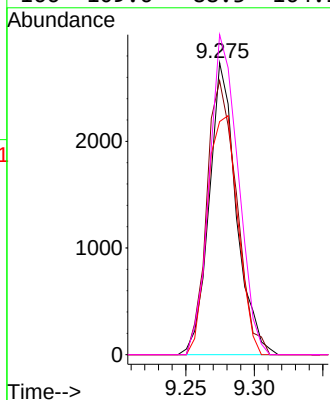
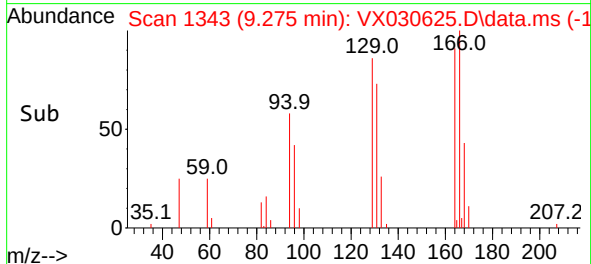
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05



Tgt Ion:164 Resp: 3764
Ion Ratio Lower Upper
164 100
129 93.9 72.7 135.1
131 79.9 69.9 129.9
166 109.6 88.3 164.1

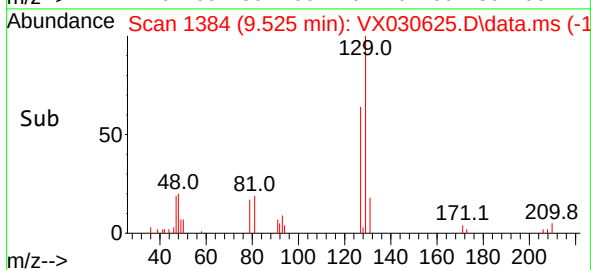
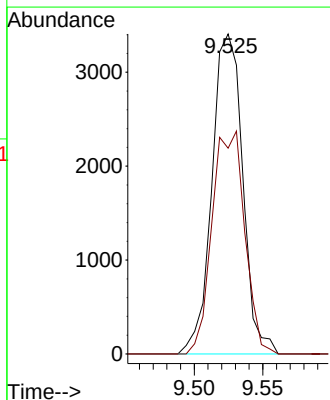
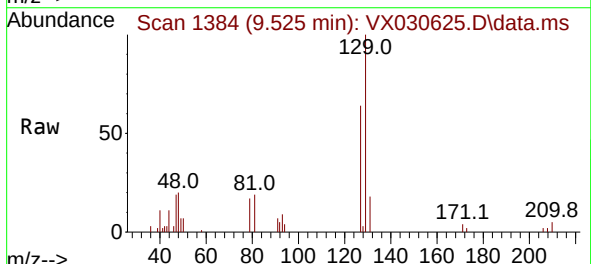
Manual Integrations
APPROVED

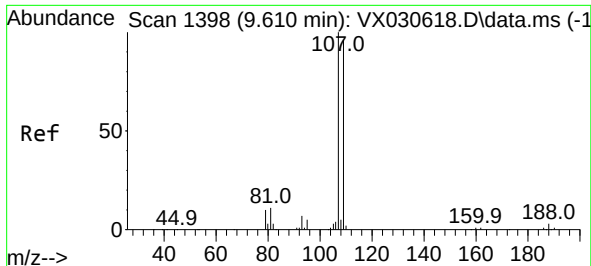
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#49
Dibromochloromethane
Concen: 2.526 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion:129 Resp: 5318
Ion Ratio Lower Upper
129 100
127 64.3 55.6 103.2





#50

1,2-Dibromoethane

Concen: 2.504 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX030625.D

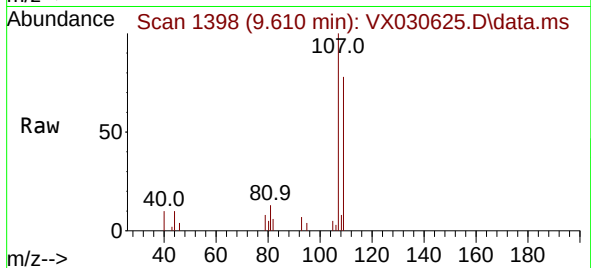
Acq: 15 Aug 2022 14:06

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2022-05



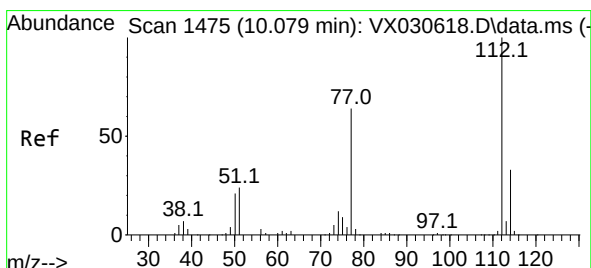
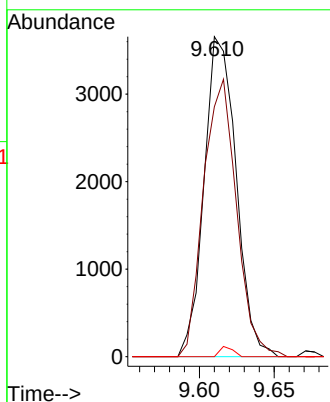
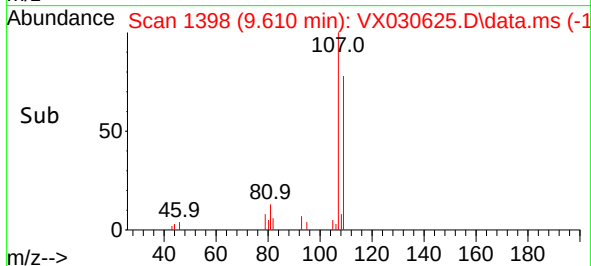
Tgt Ion:	107	Resp:	5449
Ion Ratio	Lower	Upper	
107	100		
109	78.1	64.8	120.4
188	0.0	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#51

Chlorobenzene

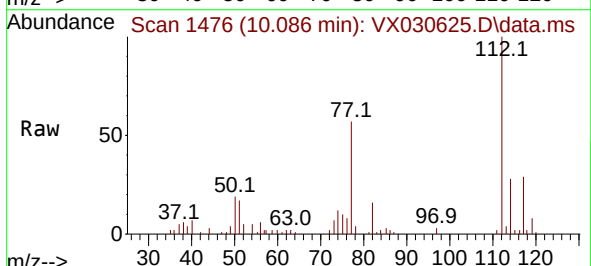
Concen: 2.527 ug/L

RT: 10.086 min Scan# 1476

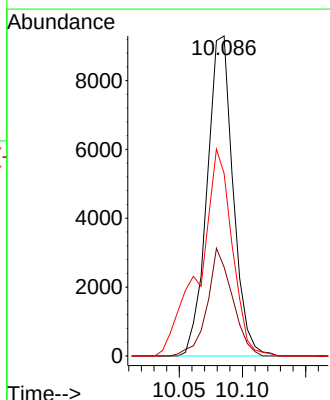
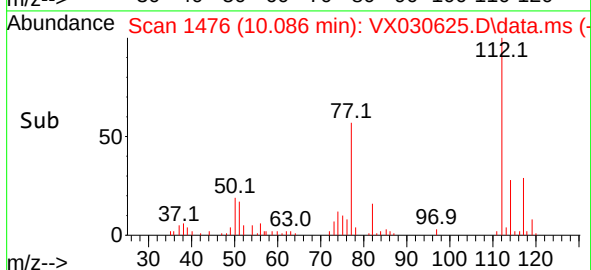
Delta R.T. 0.006 min

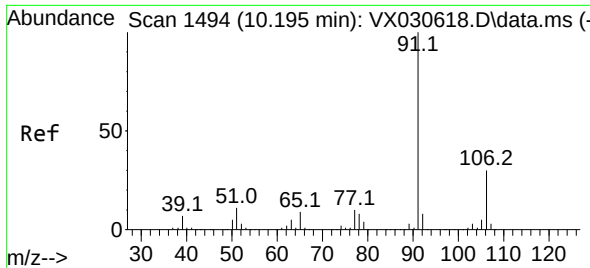
Lab File: VX030625.D

Acq: 15 Aug 2022 14:06



Tgt Ion:	112	Resp:	13311
Ion Ratio	Lower	Upper	
112	100		
114	27.8	22.3	41.5
77	57.0	50.8	76.2





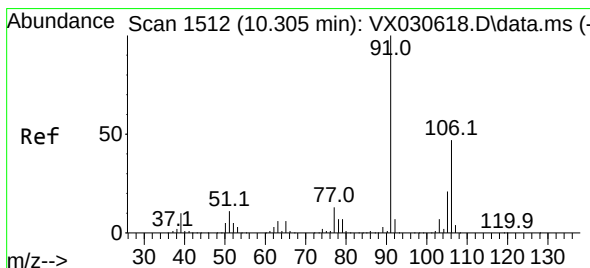
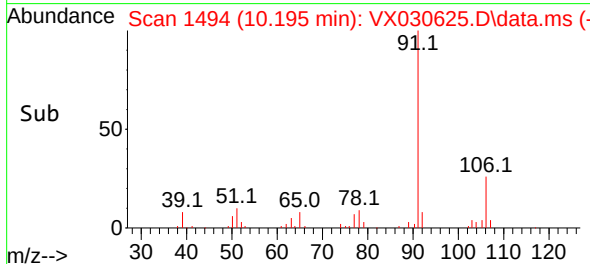
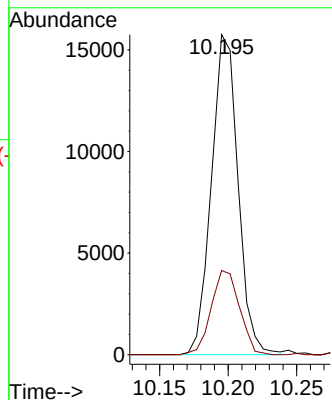
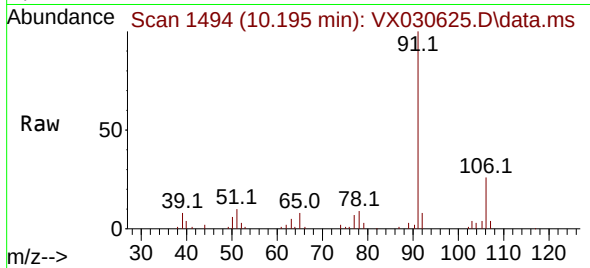
#52
Ethylbenzene
Concen: 2.307 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 91 Resp: 21270
Ion Ratio Lower Upper
91 100
106 26.3 21.3 39.5

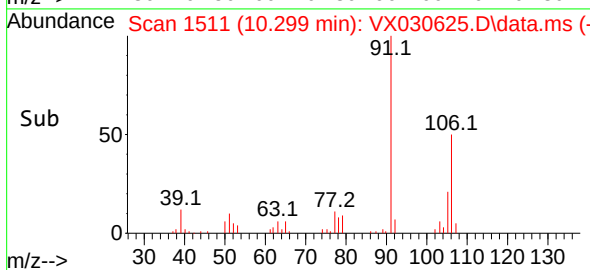
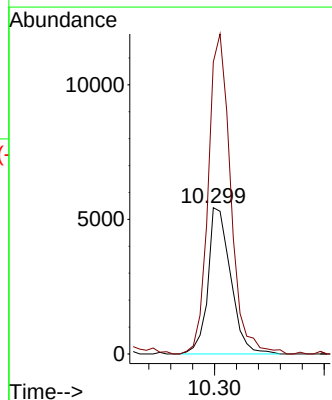
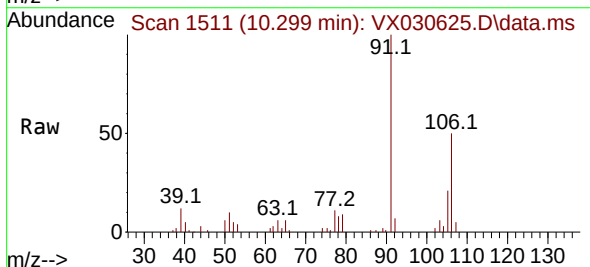
Manual Integrations
APPROVED

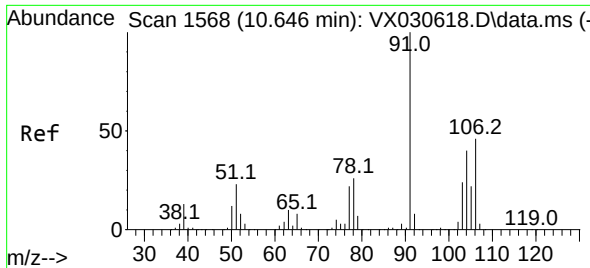
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#53
m,p-Xylene
Concen: 2.277 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion:106 Resp: 7827
Ion Ratio Lower Upper
106 100
91 199.7 147.8 274.6





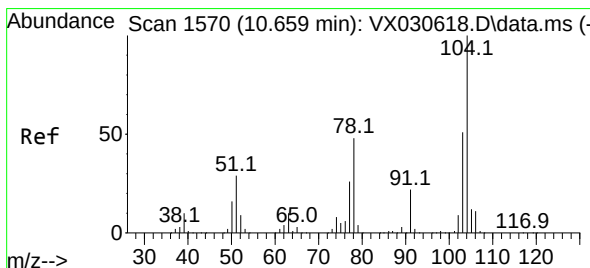
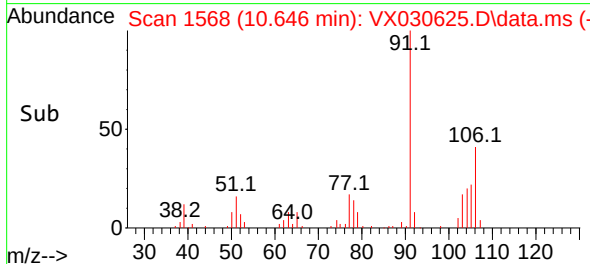
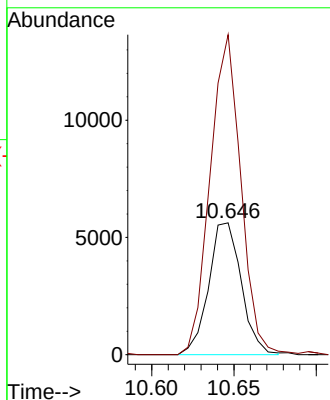
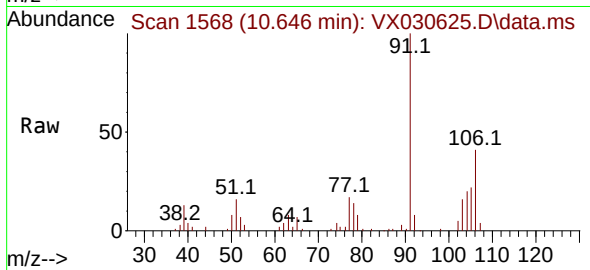
#54
o-Xylene
Concen: 2.268 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

Tgt Ion:106 Resp: 776
Ion Ratio Lower Upper
106 100
91 242.8 157.8 293.0

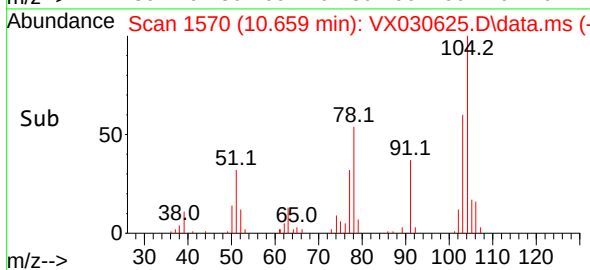
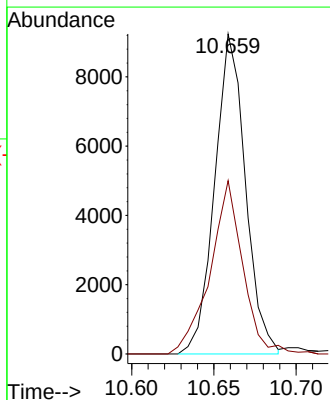
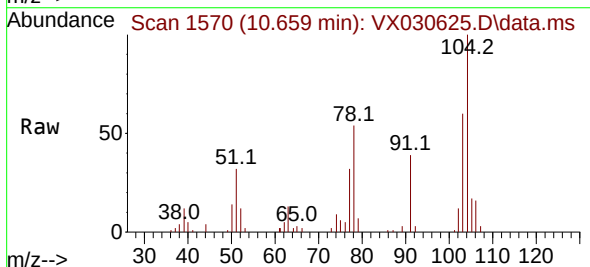
Manual Integrations
APPROVED

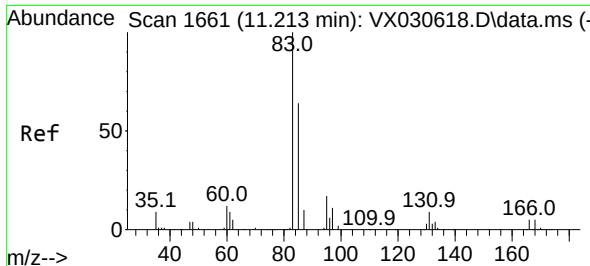
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#55
Styrene
Concen: 2.083 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion:104 Resp: 12014
Ion Ratio Lower Upper
104 100
78 54.2 33.2 61.7





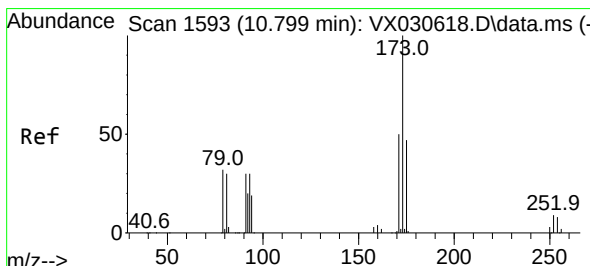
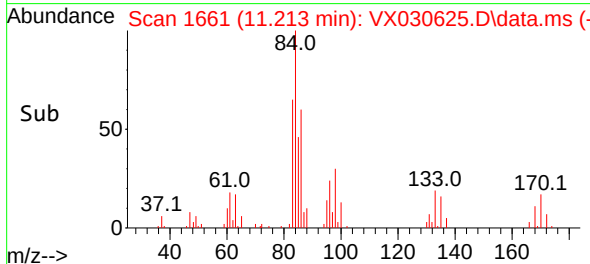
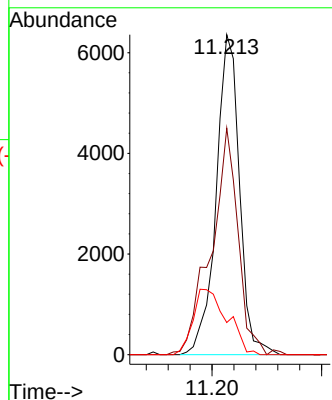
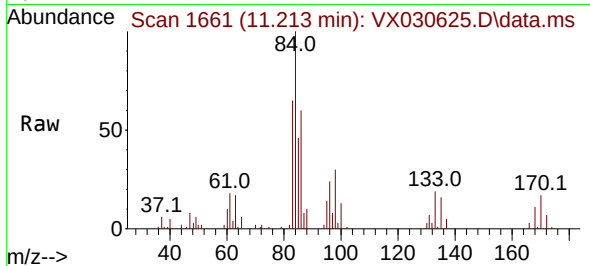
#57
1,1,2,2-Tetrachloroethane
Concen: 3.120 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 83	Resp: 9394
Ion Ratio	Lower Upper
83 100	
85 70.8	44.4 82.4
131 10.1	7.5 11.3

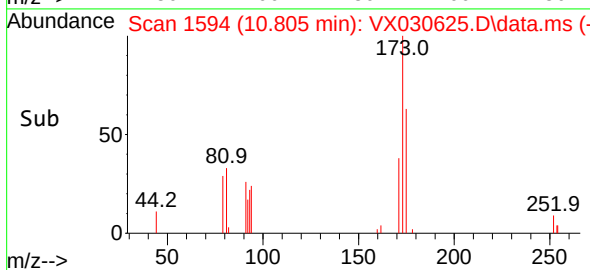
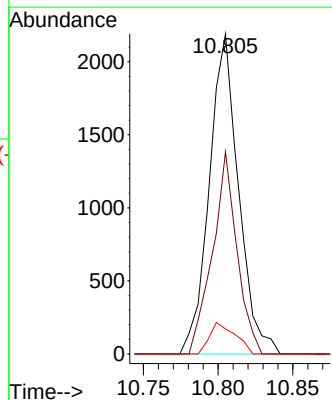
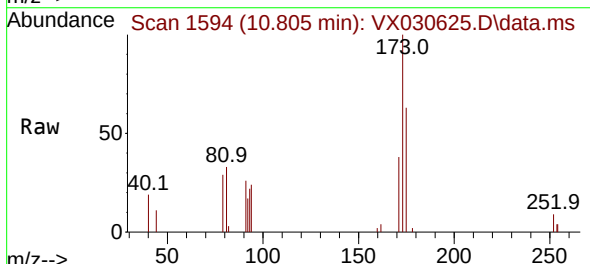
Manual Integrations
APPROVED

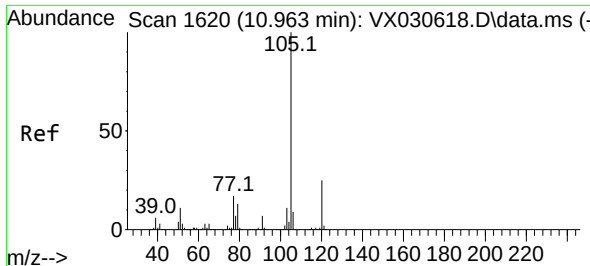
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#59
Bromoform
Concen: 2.423 ug/L
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

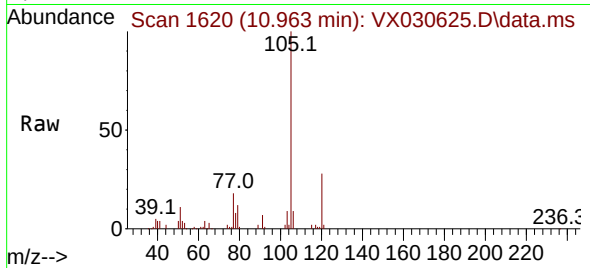
Tgt Ion:173	Resp: 2980
Ion Ratio	Lower Upper
173 100	
175 52.8	38.9 58.3
254 8.6	7.0 10.4





#60
Isopropylbenzene
Concen: 2.457 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

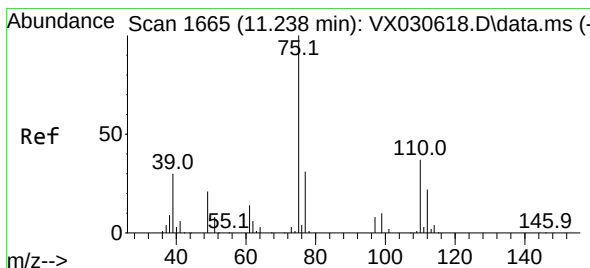
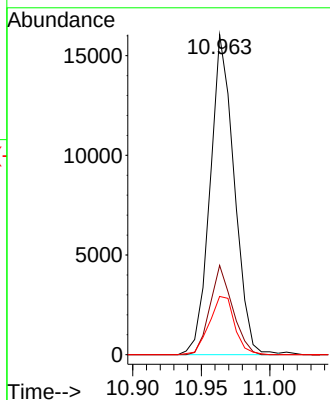
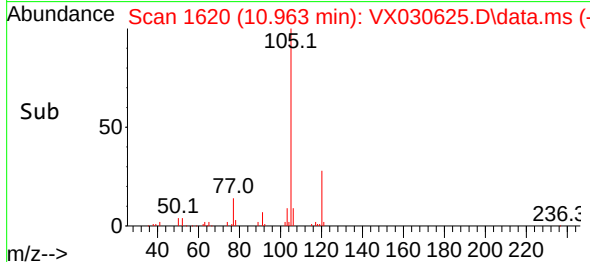
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05



Tgt Ion: 105 Resp: 1966
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 19.1 13.5 20.3

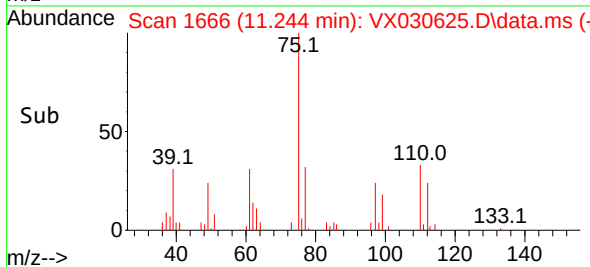
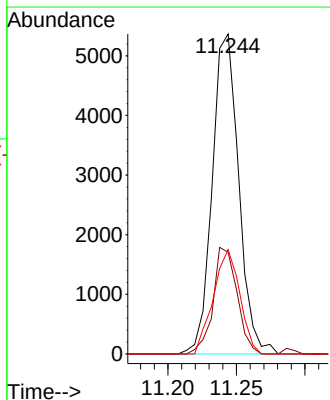
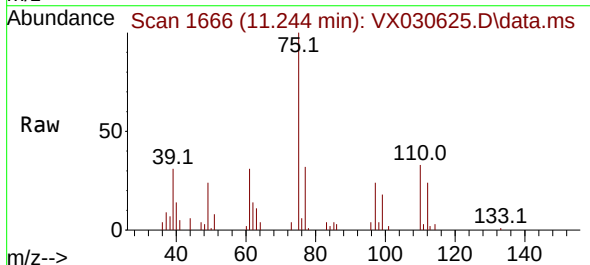
Manual Integrations
APPROVED

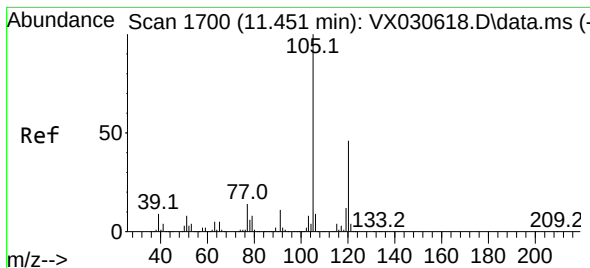
Reviewed By : John Carlone 08/16/2022
Supervised By : Mahesh Dadoda 08/16/2022



#61
1,2,3-Trichloropropane
Concen: 2.972 ug/L
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion: 75 Resp: 7210
Ion Ratio Lower Upper
75 100
77 30.1 26.1 39.1
110 32.6 30.5 45.7





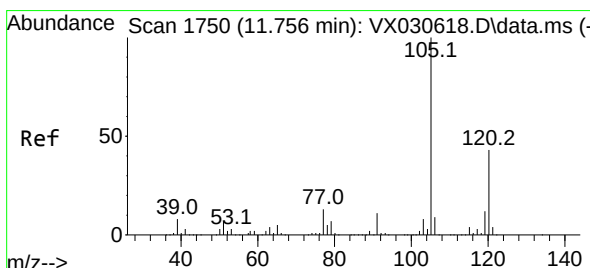
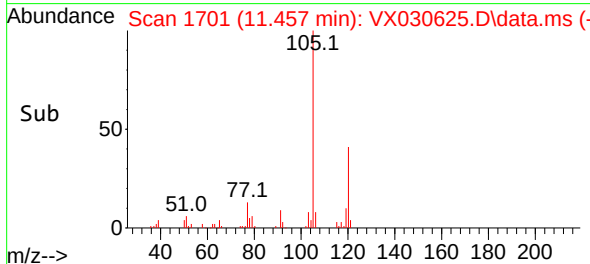
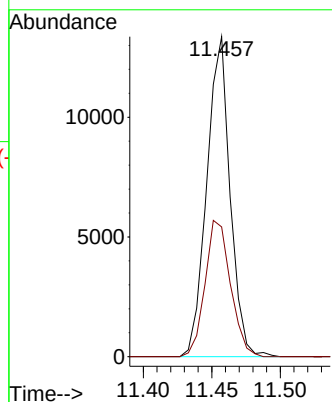
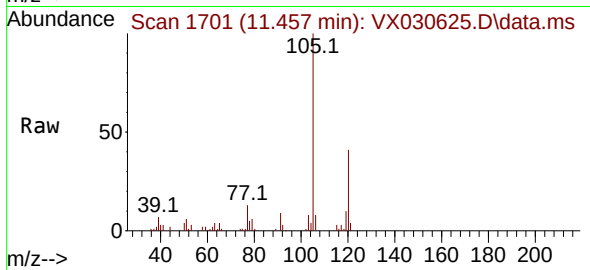
#62
1,3,5-Trimethylbenzene
Concen: 2.313 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

Tgt Ion:105 Resp: 1581
Ion Ratio Lower Upper
105 100
120 46.5 37.2 55.8

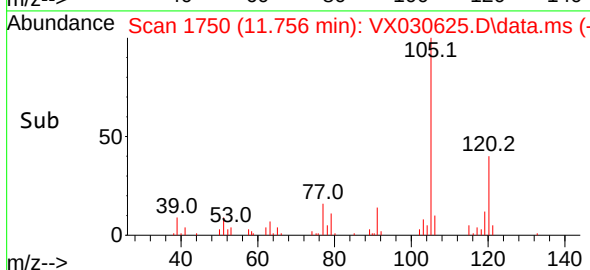
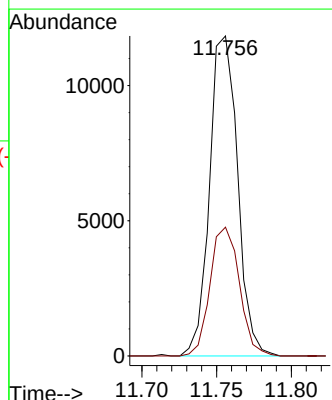
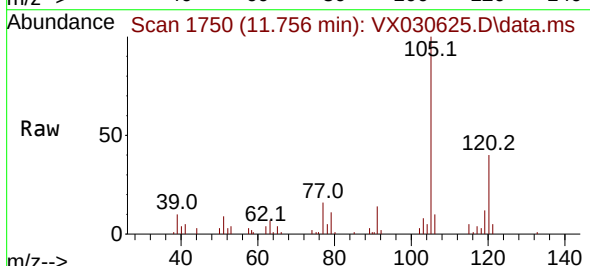
Manual Integrations
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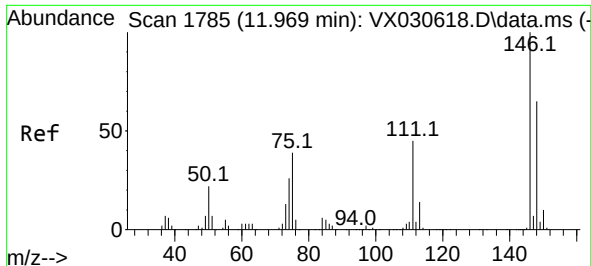
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#63
1,2,4-Trimethylbenzene
Concen: 2.238 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

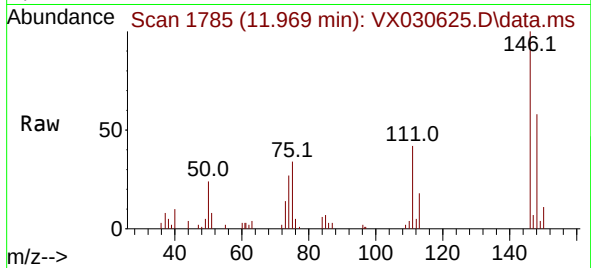
Tgt Ion:105 Resp: 15450
Ion Ratio Lower Upper
105 100
120 42.1 35.9 53.9





#64
1,3-Dichlorobenzene
Concen: 2.438 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

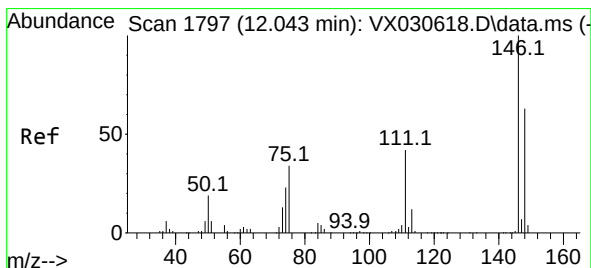
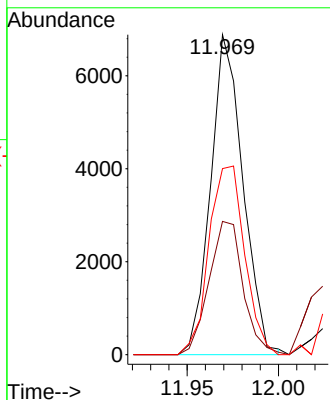
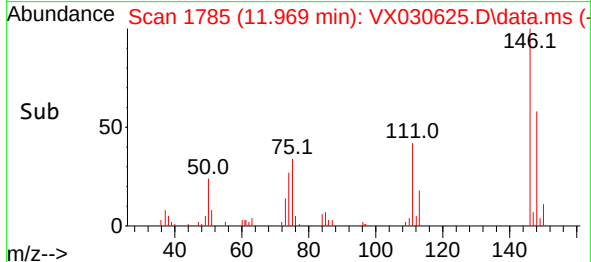
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05



Tgt Ion:146 Resp: 848
Ion Ratio Lower Upper
146 100
111 41.6 30.9 57.5
148 58.1 42.6 79.0

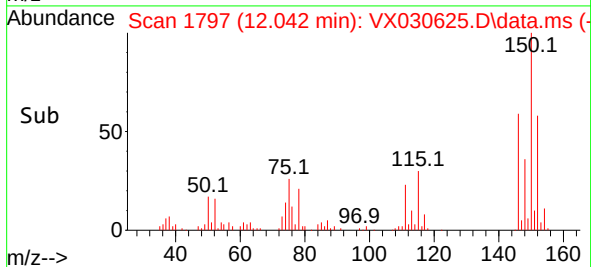
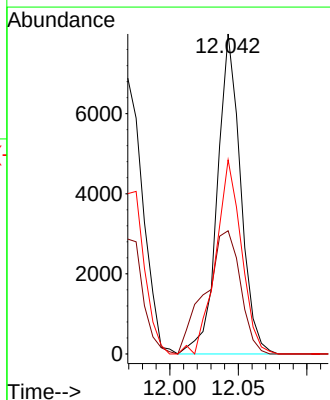
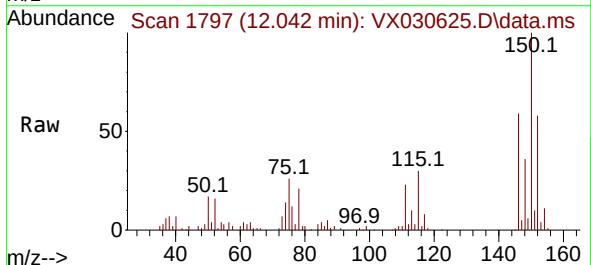
Manual Integrations
APPROVED

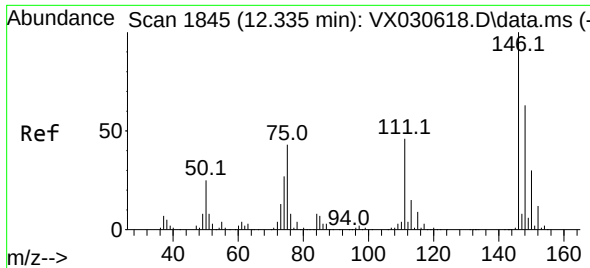
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#65
1,4-Dichlorobenzene
Concen: 2.664 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion:146 Resp: 9424
Ion Ratio Lower Upper
146 100
111 38.5 32.6 60.6
148 60.7 48.3 89.7





#67

1,2-Dichlorobenzene

Concen: 2.610 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX030625.D

Acq: 15 Aug 2022 14:06

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2022-05

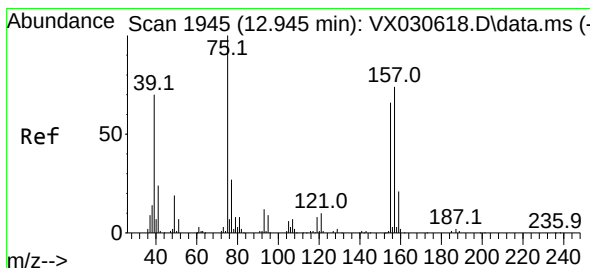
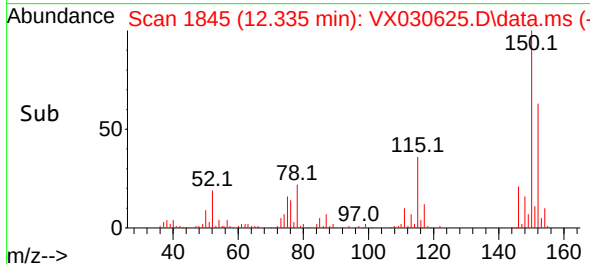
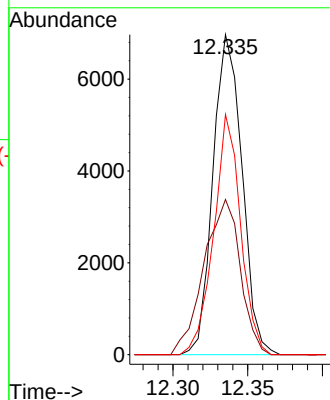
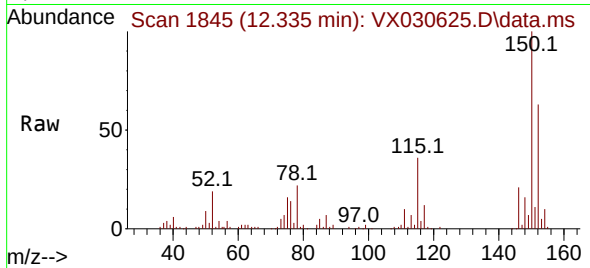
Tgt Ion:146	Resp:	9394
Ion Ratio	Lower	Upper
146	100	
111	48.5	36.9 55.3
148	75.1	49.9 74.9

Manual Integrations

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Reviewed By :John Carlone 08/16/2022

Supervised By :Mahesh Dadoda 08/16/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 2.299 ug/L

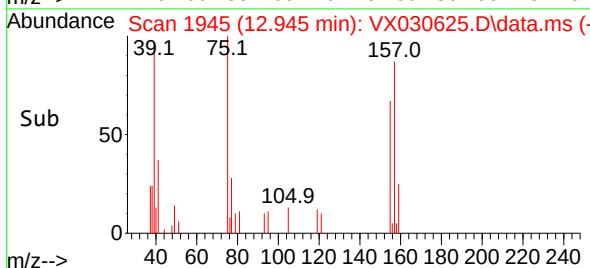
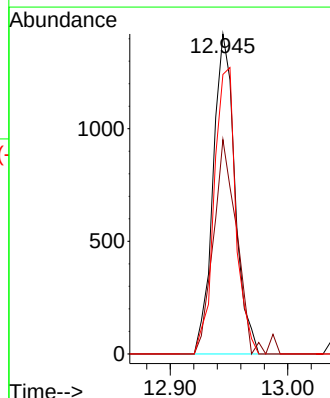
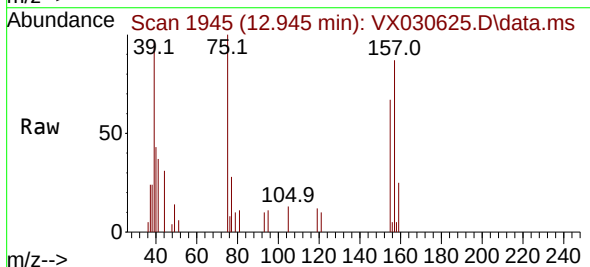
RT: 12.945 min Scan# 1945

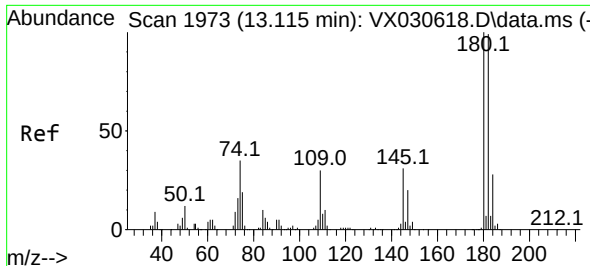
Delta R.T. -0.000 min

Lab File: VX030625.D

Acq: 15 Aug 2022 14:06

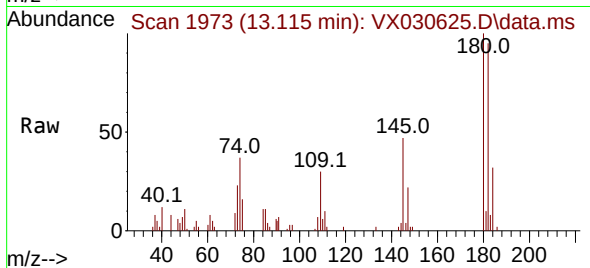
Tgt Ion: 75	Resp:	1840
Ion Ratio	Lower	Upper
75	100	
155	67.0	57.1 85.7
157	87.3	73.1 109.7





#69
1,3,5-Trichlorobenzene
Concen: 2.430 ug/L m
RT: 13.115 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Instrument : MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

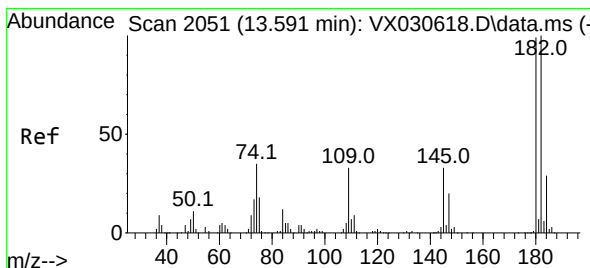
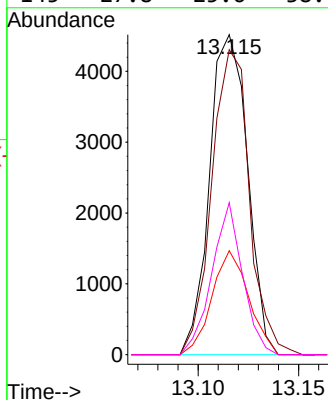
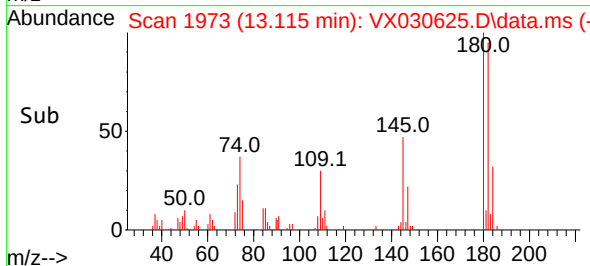


Tgt Ion:180 Resp: 593

Ion	Ratio	Lower	Upper
180	100		
182	83.6	73.7	110.5
184	26.1	24.1	36.1
145	27.8	25.6	38.4

Manual Integrations
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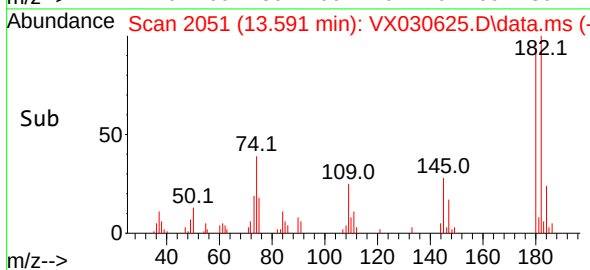
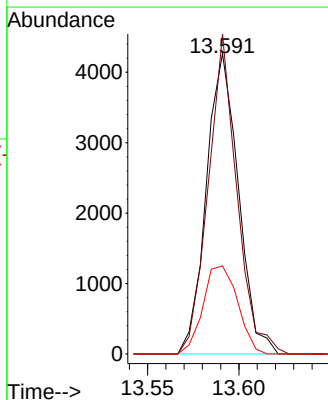
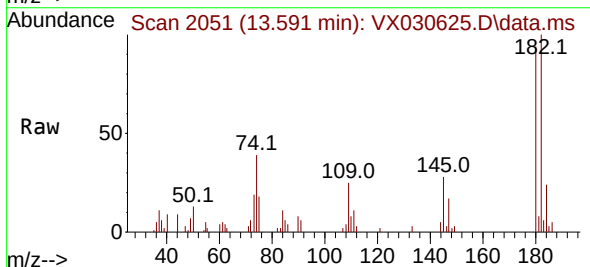
Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022

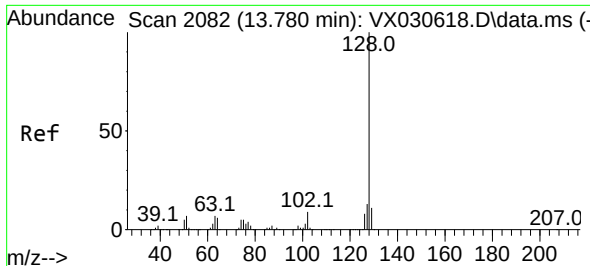


#70
1,2,4-trichlorobenzene
Concen: 2.431 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion:180 Resp: 5212

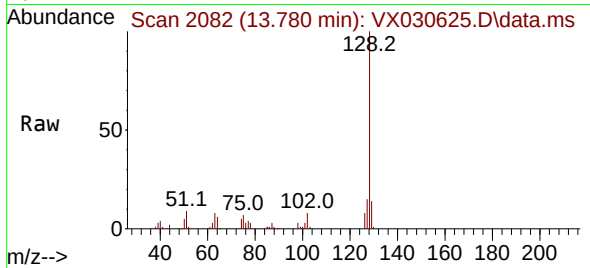
Ion	Ratio	Lower	Upper
180	100		
182	95.1	72.7	109.1
145	31.7	26.6	40.0





#71
Naphthalene
Concen: 1.993 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

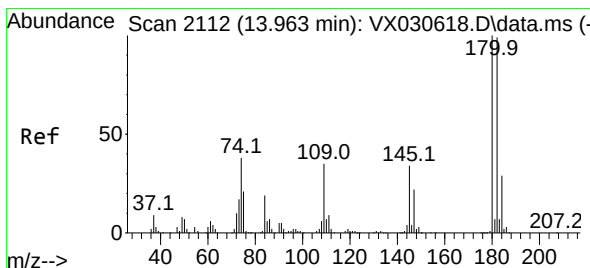
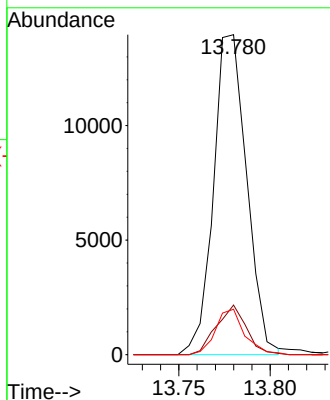
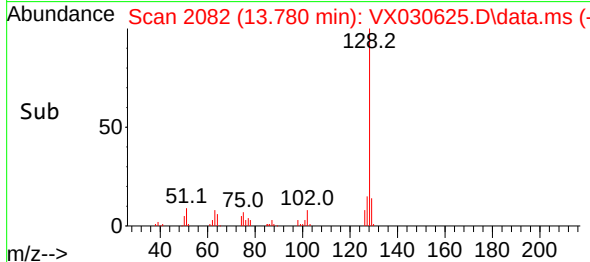
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2022-05



Tgt Ion:128 Resp: 1768
Ion Ratio Lower Upper
128 100
127 14.0 10.3 15.5
129 12.5 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/16/2022
Supervised By :Mahesh Dadoda 08/16/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.145 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX030625.D
Acq: 15 Aug 2022 14:06

Tgt Ion:180 Resp: 4857
Ion Ratio Lower Upper
180 100
182 98.5 74.6 112.0
145 40.1 28.4 42.6

