

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071322\
 Data File : VU049701.D
 Acq On : 13 Jul 2022 12:21
 Operator : SY/MD
 Sample : N3670-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 14 05:36:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 14 05:07:30 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	199018	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	188239	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	83796	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	70386	41.916	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.840%		
7) Chloroethane-d5	1.903	69	55674	45.868	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.740%		
11) 1,1-Dichloroethene-d2	2.562	63	93999	31.691	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.380%		
21) 2-Butanone-d5	4.620	46	157310	109.740	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.740%		
24) Chloroform-d	5.060	84	142930	48.058	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.120%		
26) 1,2-Dichloroethane-d4	5.700	65	98600	48.984	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.960%		
32) Benzene-d6	5.726	84	267829	46.834	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.660%		
36) 1,2-Dichloropropane-d6	6.690	67	94438	49.097	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.200%		
41) Toluene-d8	7.896	98	223063	44.791	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.580%		
43) trans-1,3-Dichloroprop...	8.179	79	37497	46.269	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.540%		
47) 2-Hexanone-d5	8.629	63	89671	103.637	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.640%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	136271	50.632	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.260%		
66) 1,2-Dichlorobenzene-d4	12.192	152	80251	50.794	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	5037	2.111	ug/L	98
3) Chloromethane	1.520	50	8576	3.275	ug/L	97
5) Vinyl chloride	1.601	62	5969	2.523	ug/L	89
6) Bromomethane	1.842	94	3075	2.813	ug/L	92
8) Chloroethane	1.925	64	3170	2.419	ug/L	97
9) Trichlorofluoromethane	2.131	101	6643	2.274	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	4145	2.704	ug/L #	86
12) 1,1-Dichloroethene	2.575	96	4059	2.853	ug/L #	1
13) Acetone	2.626	43	6733	4.942	ug/L	100
14) Carbon disulfide	2.787	76	11070	2.307	ug/L	98
15) Methyl Acetate	2.948	43	6325	2.858	ug/L	92
16) Methylene chloride	3.044	84	5508	3.074	ug/L	87
17) trans-1,2-Dichloroethene	3.353	96	3453	2.218	ug/L	89
18) Methyl tert-butyl Ether	3.363	73	13214	2.478	ug/L	97
19) 1,1-Dichloroethane	3.874	63	8314m	2.566	ug/L	
20) cis-1,2-Dichloroethene	4.668	96	4501	2.573	ug/L	86
22) 2-Butanone	4.707	43	10366m	5.683	ug/L	
23) Bromochloromethane	4.973	128	2264	2.594	ug/L	88
27) 1,2-Dichloroethane	5.793	62	7507	2.713	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	5971	2.032	ug/L #	90
30) 1,1,1-Trichloroethane	5.311	97	6670	2.448	ug/L	97
31) Carbon tetrachloride	5.523	117	5123	2.298	ug/L	95
33) Benzene	5.774	78	17962	2.539	ug/L	100
35) Methylcyclohexane	6.761	83	5310	1.976	ug/L	94
37) 1,2-Dichloropropane	6.790	63	5263	2.684	ug/L #	92
38) Bromodichloromethane	7.105	83	6271	2.579	ug/L	88
39) cis-1,3-Dichloropropene	7.607	75	6615	2.501	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	16263	5.122	ug/L	98
42) Toluene	7.970	91	17622	2.506	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	5840	2.352	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	4847	2.831	ug/L	87
46) Tetrachloroethene	8.552	164	2854	2.406	ug/L	92
48) 2-Hexanone	8.684	43	20475	8.070	ug/L	94
49) Dibromochloromethane	8.809	129	4513	2.621	ug/L	97
50) 1,2-Dibromoethane	8.922	107	4176	2.456	ug/L #	98
51) Chlorobenzene	9.446	112	10832	2.544	ug/L	96
52) Ethylbenzene	9.568	91	17474	2.355	ug/L	93
53) m,p-Xylene	9.694	106	5910	2.190	ug/L	94
54) o-Xylene	10.102	106	6168	2.270	ug/L	82
55) Styrene	10.115	104	8666	1.933	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	8618	2.812	ug/L #	89
59) Bromoform	10.292	173	2942	2.618	ug/L #	92
60) 1,2,3-Trichloropropane	10.822	75	6893	3.088	ug/L	97
61) Isopropylbenzene	10.485	105	15162	2.423	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	11407	2.161	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	11031	2.104	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	6635	2.429	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	7021	2.559	ug/L	95
67) 1,2-Dichlorobenzene	12.211	146	7953	2.800	ug/L	91
68) 1,2-Dibromo-3-chloropr...	13.002	75	1751	2.677	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	4815	2.516	ug/L	94
70) 1,2,4-trichlorobenzene	13.844	180	3864	2.200	ug/L	99
71) Naphthalene	14.089	128	13756	2.191	ug/L	95
72) 1,2,3-Trichlorobenzene	14.330	180	4477	2.461	ug/L	93

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

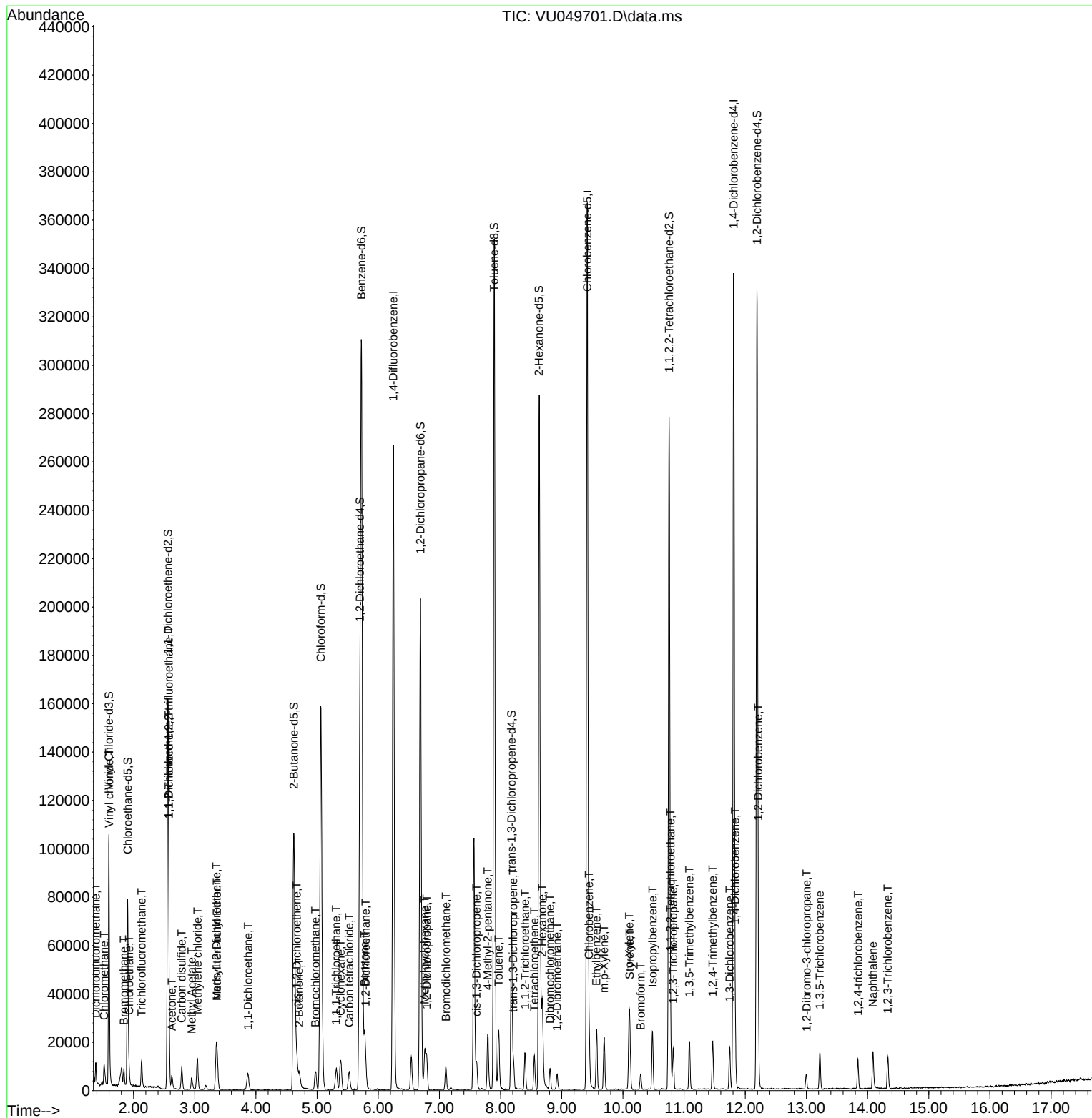
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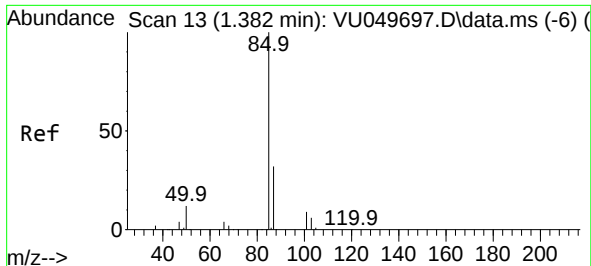
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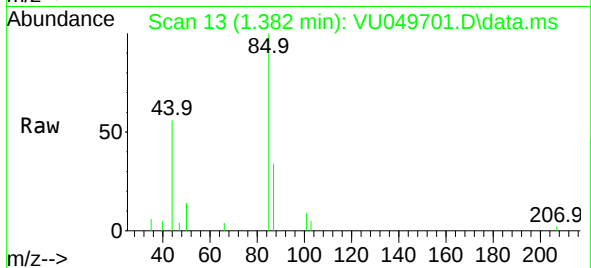
Reviewed By :Krupa Patel 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022





#2
Dichlorodifluoromethane
Concen: 2.111 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

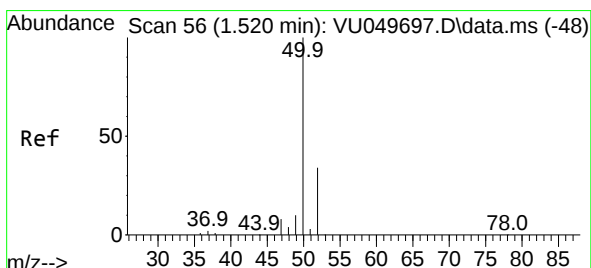
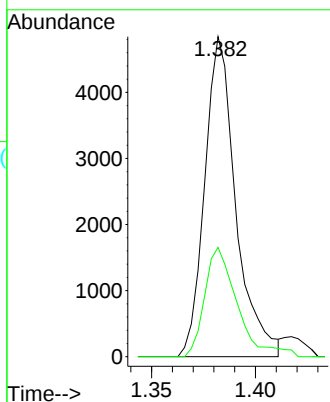
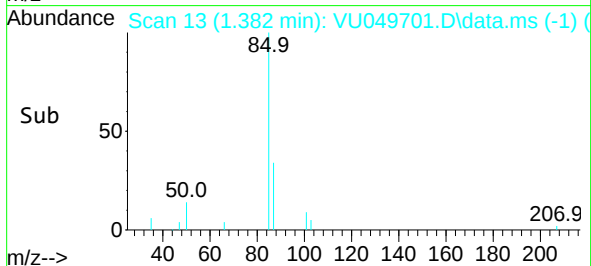
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



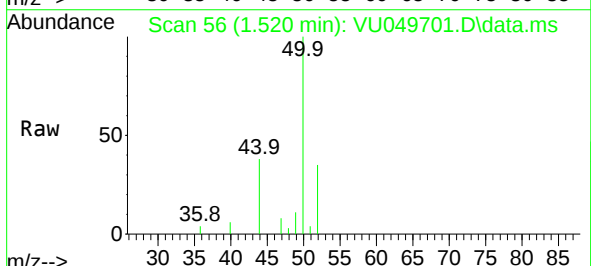
Tgt Ion: 85 Resp: 503
Ion Ratio Lower Upper
85 100
87 33.8 26.3 39.5

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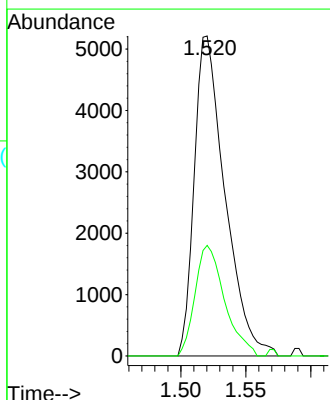
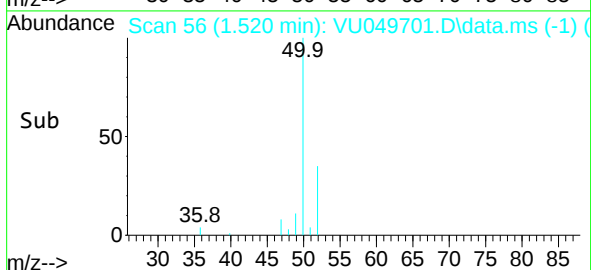
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

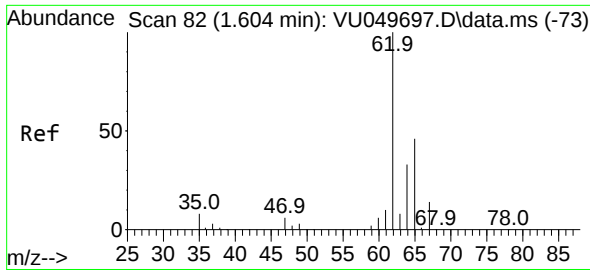


#3
Chloromethane
Concen: 3.275 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21



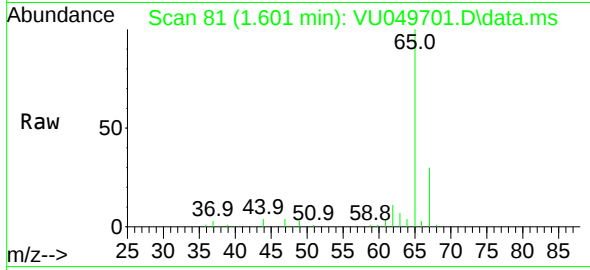
Tgt Ion: 50 Resp: 8576
Ion Ratio Lower Upper
50 100
52 34.6 23.2 43.0





#5
 Vinyl chloride
 Concen: 2.523 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU049701.D
 Acq: 13 Jul 2022 12:21

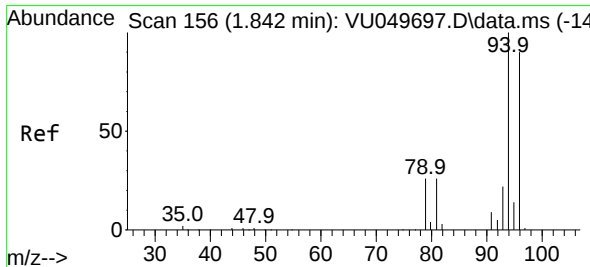
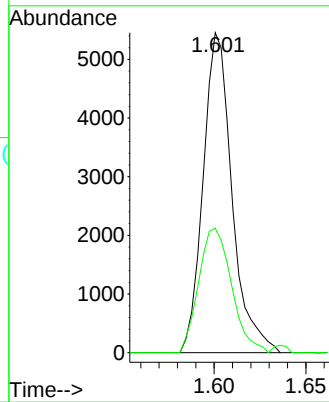
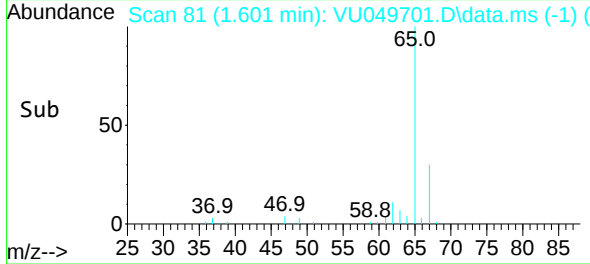
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 62 Resp: 596
 Ion Ratio Lower Upper
 62 100
 64 38.9 23.0 42.6

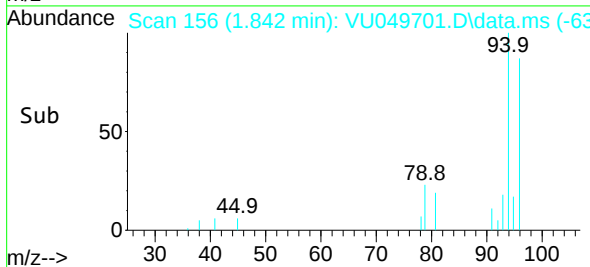
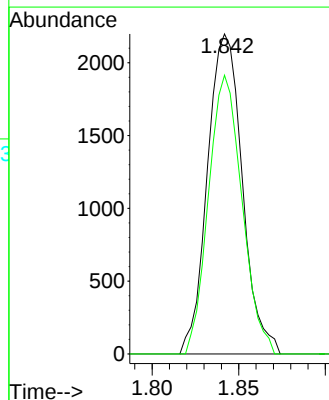
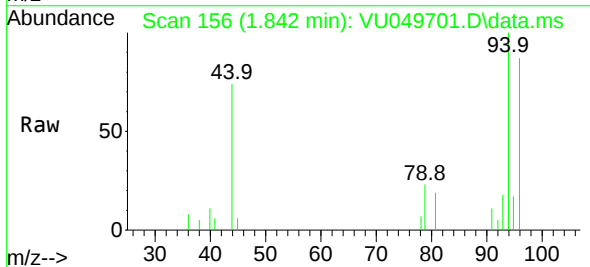
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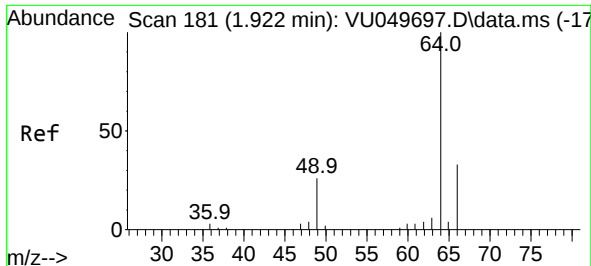
Reviewed By :Krupa Patel 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022



#6
 Bromomethane
 Concen: 2.813 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.000 min
 Lab File: VU049701.D
 Acq: 13 Jul 2022 12:21

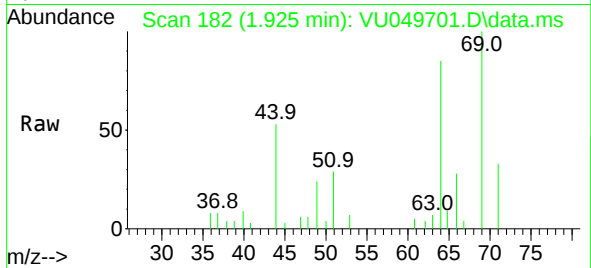
Tgt Ion: 94 Resp: 3075
 Ion Ratio Lower Upper
 94 100
 96 87.1 66.1 122.7





#8
Chloroethane
Concen: 2.419 ug/L
RT: 1.925 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

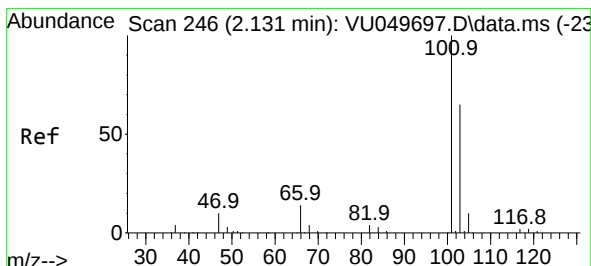
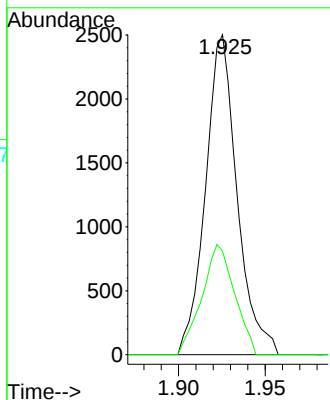
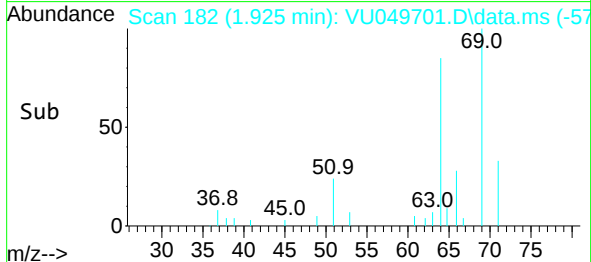
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 64 Resp: 3170
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1

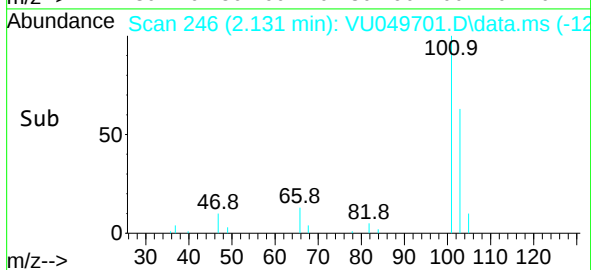
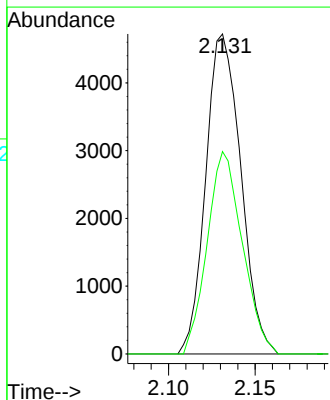
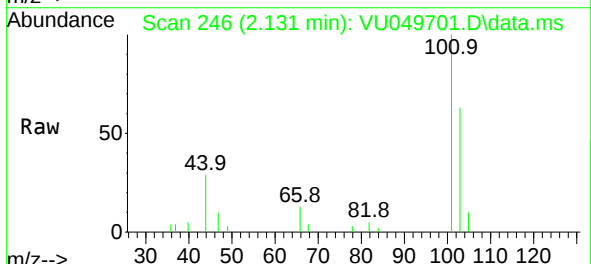
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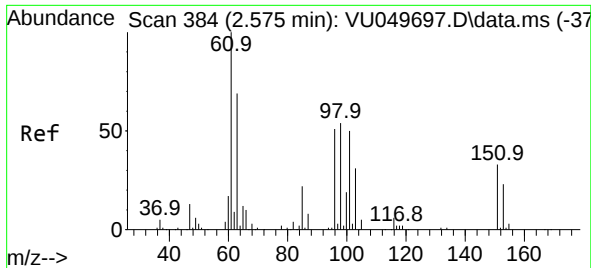
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#9
Trichlorofluoromethane
Concen: 2.274 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:101 Resp: 6643
Ion Ratio Lower Upper
101 100
103 63.5 52.2 78.4





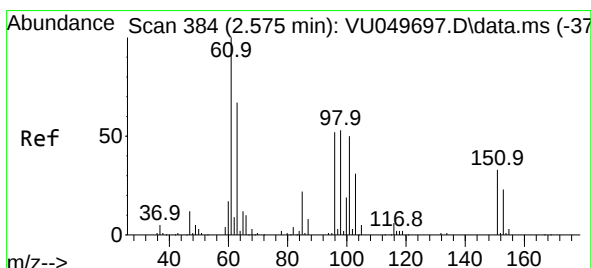
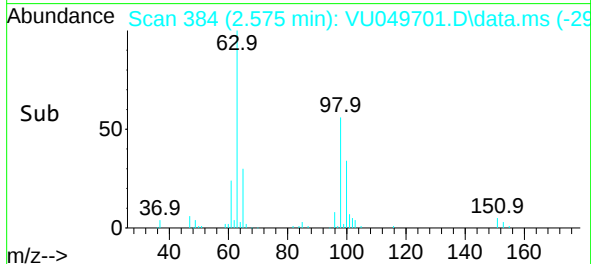
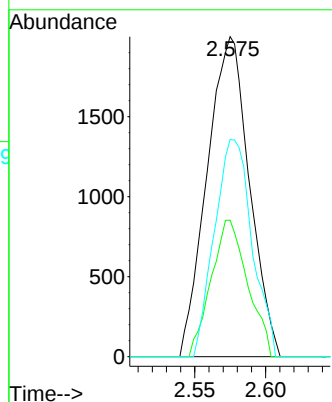
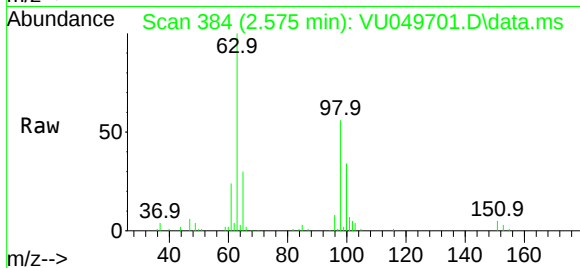
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.704 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU049701.D
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Tgt Ion: 101 Resp: 414
Ion Ratio Lower Upper
101 100
85 36.8 37.3 55.9
151 60.4 56.9 85.3

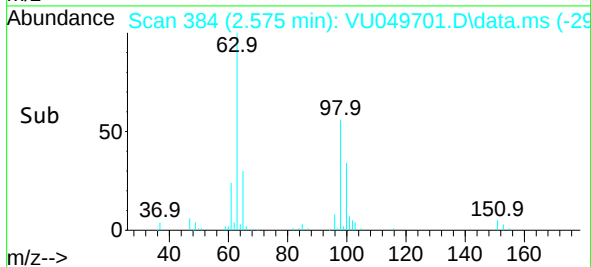
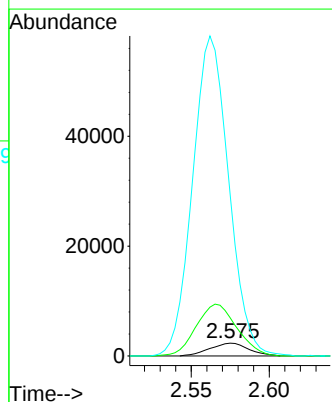
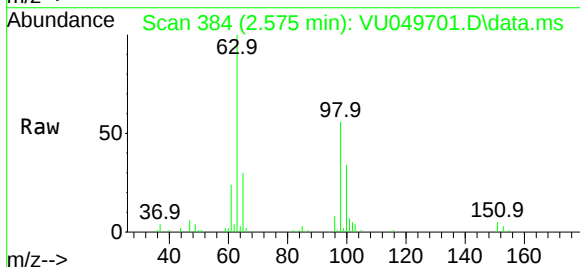
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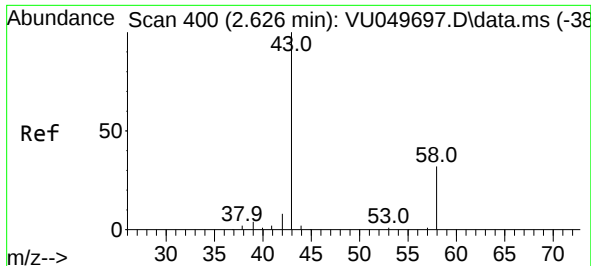
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#12
1,1-Dichloroethene
Concen: 2.853 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion: 96 Resp: 4059
Ion Ratio Lower Upper
96 100
61 299.2 129.6 240.6#
63 1264.9 79.0 146.6#





#13

Acetone

Concen: 4.942 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

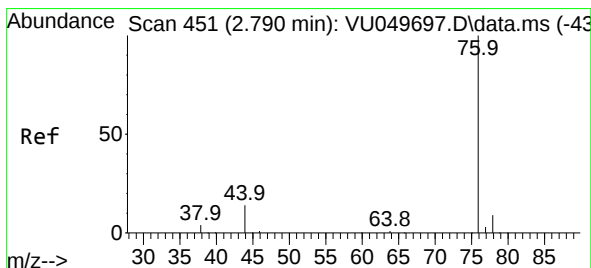
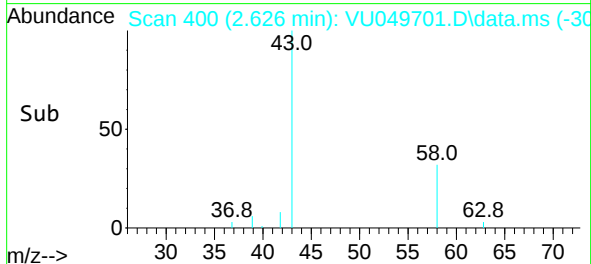
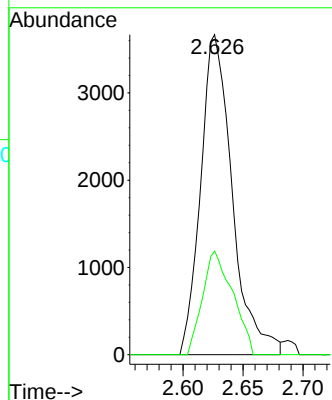
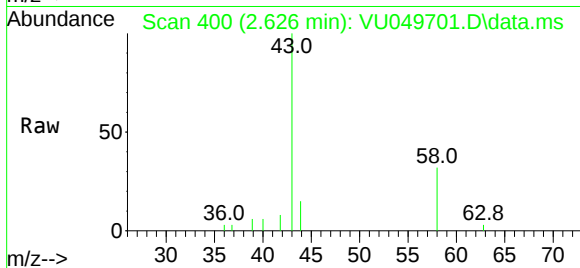
Tgt Ion: 43 Resp: 673
 Ion Ratio Lower Upper
 43 100
 58 30.8 0.0 61.4

Manual Integrations

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#14

Carbon disulfide

Concen: 2.307 ug/L

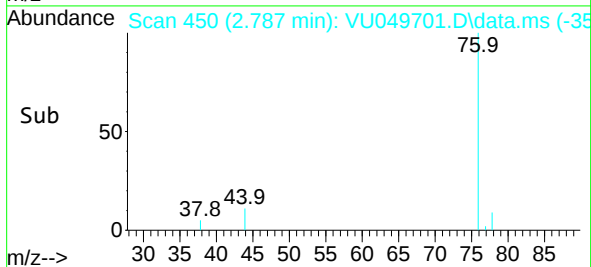
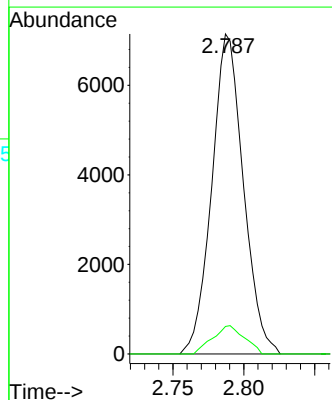
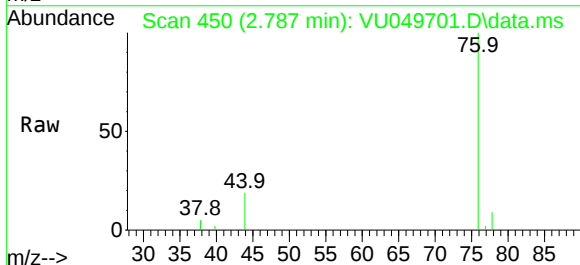
RT: 2.787 min Scan# 450

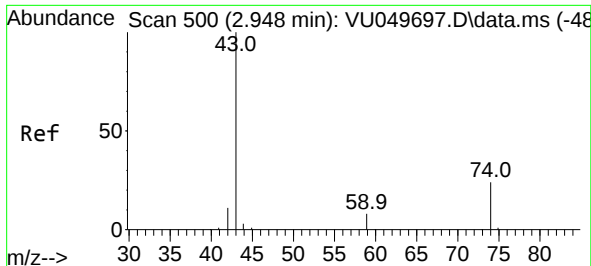
Delta R.T. -0.003 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

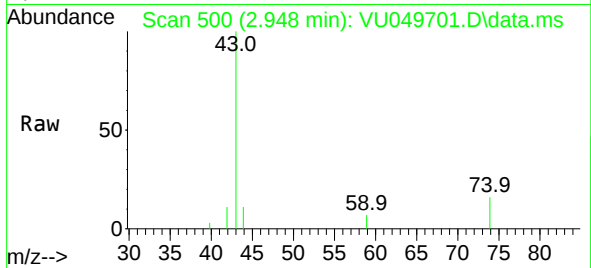
Tgt Ion: 76 Resp: 11070
 Ion Ratio Lower Upper
 76 100
 78 8.6 7.6 11.4





#15
Methyl Acetate
Concen: 2.858 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

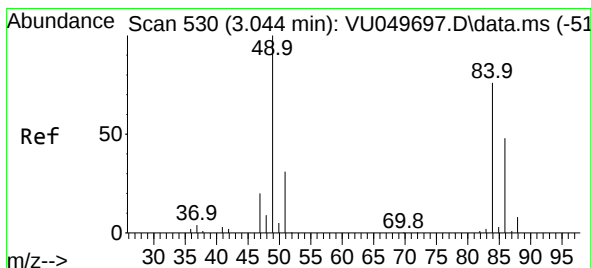
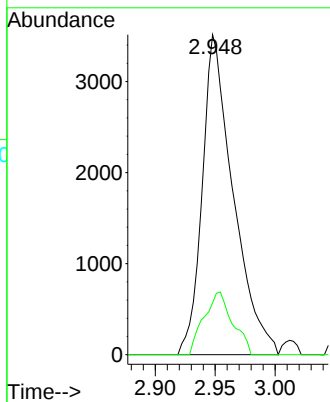
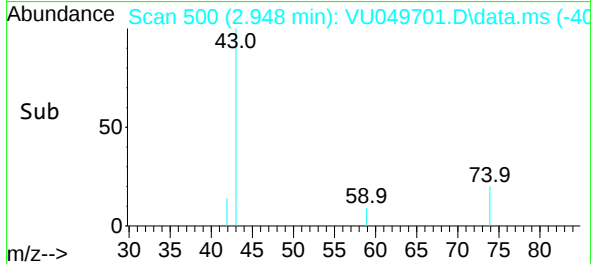
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



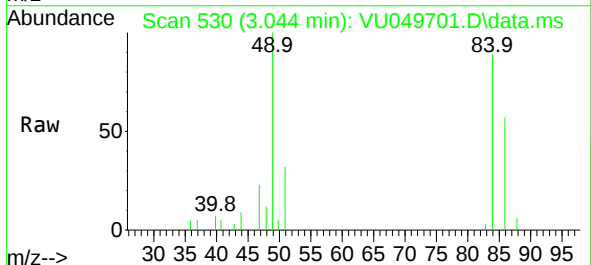
Tgt Ion: 43 Resp: 6329
Ion Ratio Lower Upper
43 100
74 18.1 17.4 26.0

Manual Integrations
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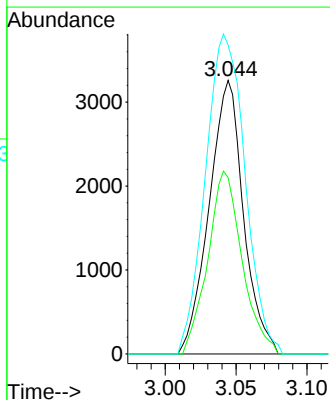
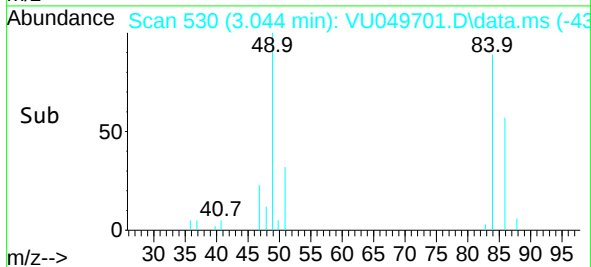
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

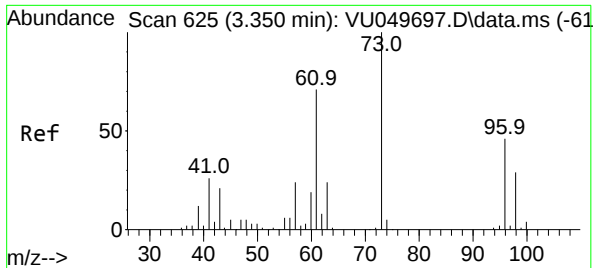


#16
Methylene chloride
Concen: 3.074 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21



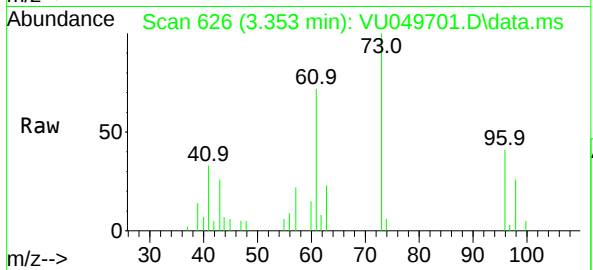
Tgt Ion: 84 Resp: 5508
Ion Ratio Lower Upper
84 100
86 64.5 45.6 84.6
49 112.9 94.4 175.4





#17
trans-1,2-Dichloroethene
Concen: 2.218 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

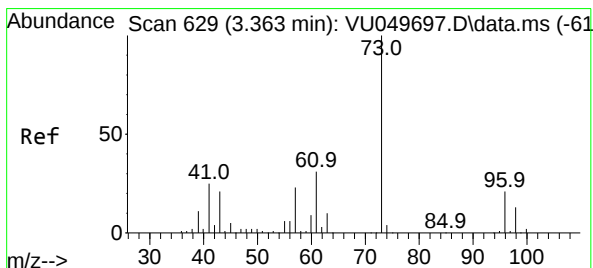
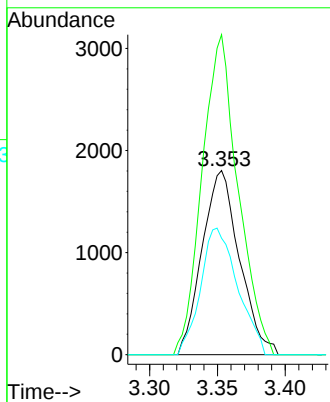
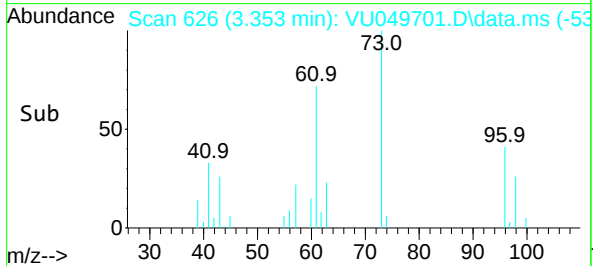
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 96 Resp: 345
Ion Ratio Lower Upper
96 100
61 173.8 107.6 199.8
98 63.2 44.6 82.8

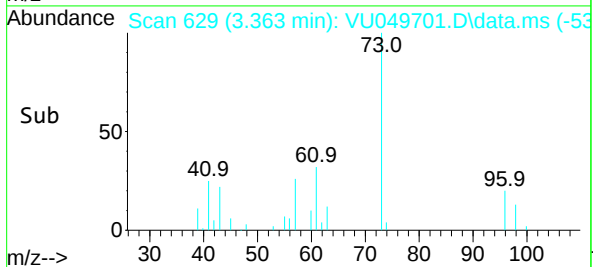
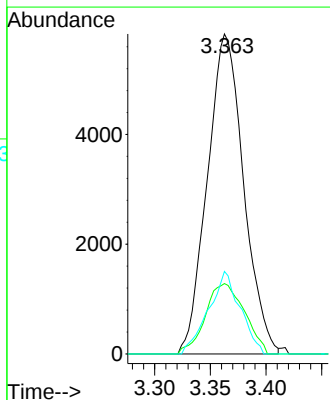
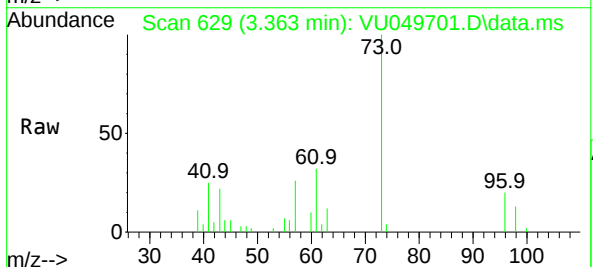
Manual Integrations
APPROVED

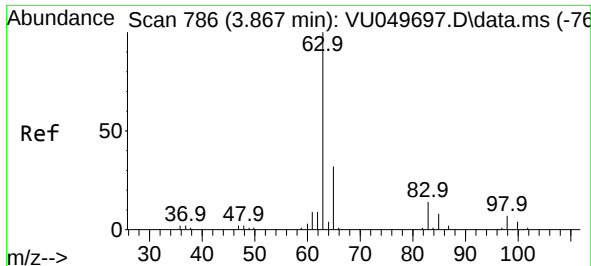
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#18
Methyl tert-butyl Ether
Concen: 2.478 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion: 73 Resp: 13214
Ion Ratio Lower Upper
73 100
43 23.7 17.0 25.4
57 22.5 18.5 27.7





#19

1,1-Dichloroethane

Concen: 2.566 ug/L m

RT: 3.874 min Scan# 786

Delta R.T. 0.007 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 63 Resp: 8314

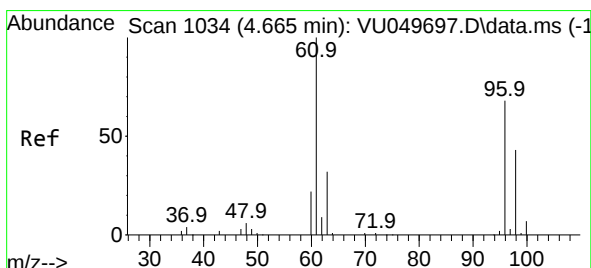
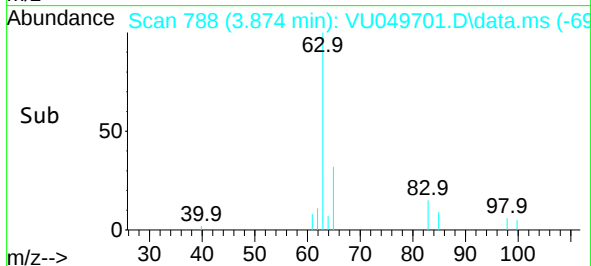
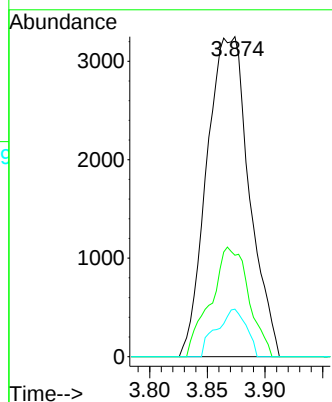
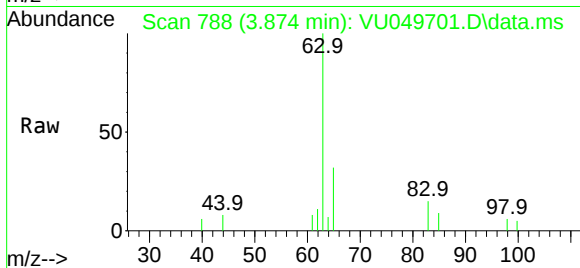
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.6	42.0
83	14.9	9.2	17.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#20

cis-1,2-Dichloroethene

Concen: 2.573 ug/L

RT: 4.668 min Scan# 1035

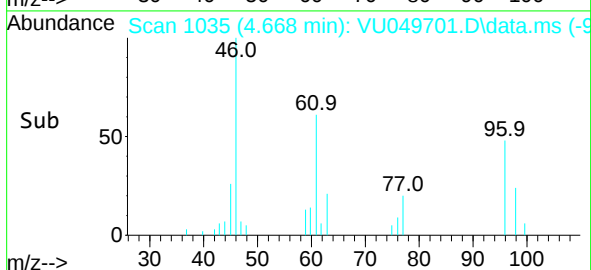
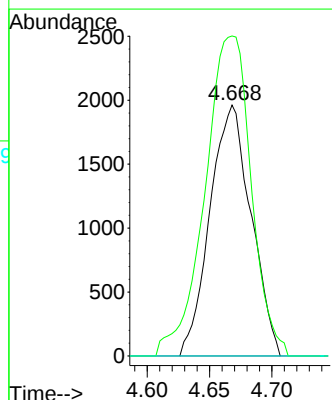
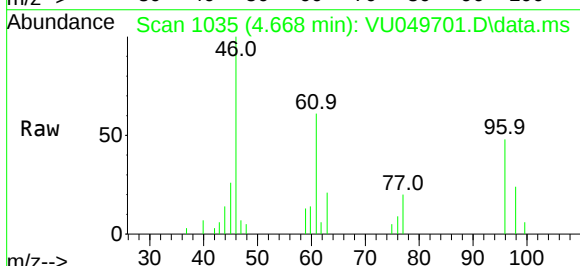
Delta R.T. 0.003 min

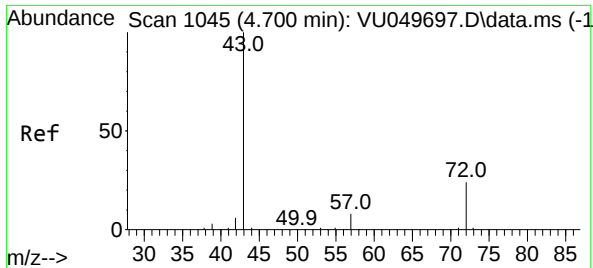
Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Tgt Ion: 96 Resp: 4501

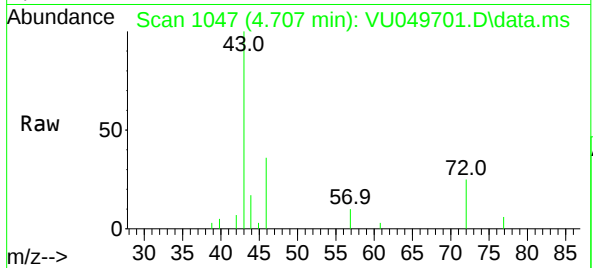
Ion	Ratio	Lower	Upper
96	100		
61	127.5	101.1	187.7
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 5.683 ug/L m
RT: 4.707 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

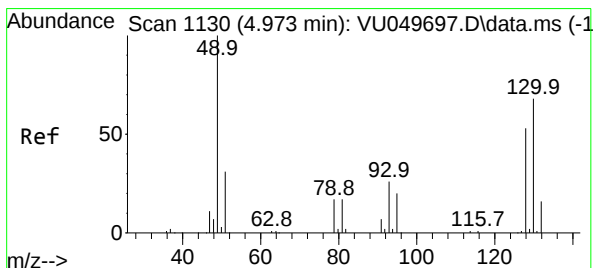
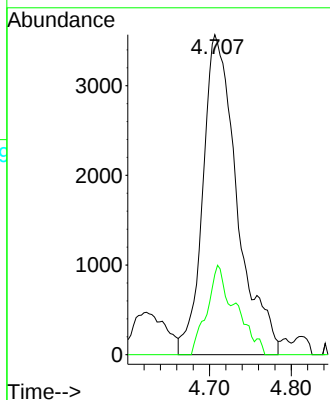
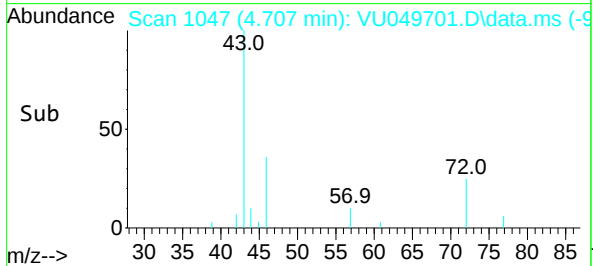
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 43 Resp: 10360
Ion Ratio Lower Upper
43 100
72 16.0 12.7 38.0

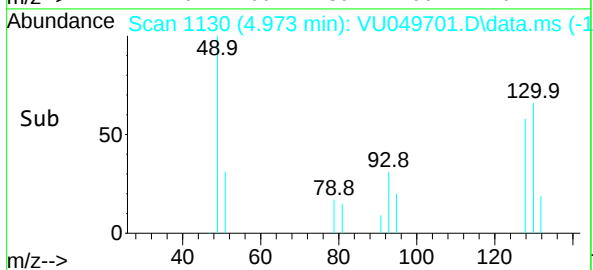
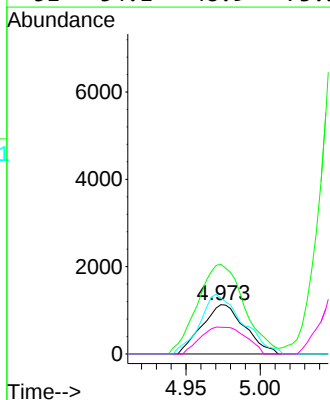
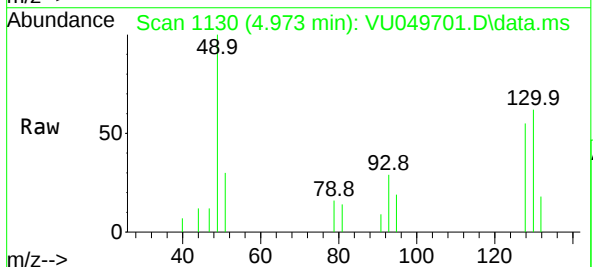
Manual Integrations
APPROVED

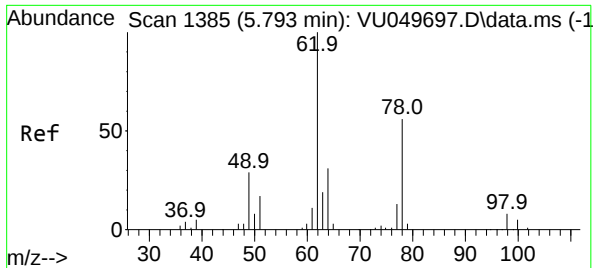
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#23
Bromochloromethane
Concen: 2.594 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:128 Resp: 2264
Ion Ratio Lower Upper
128 100
49 182.0 140.9 261.7
130 113.3 90.0 167.2
51 54.1 48.9 73.3





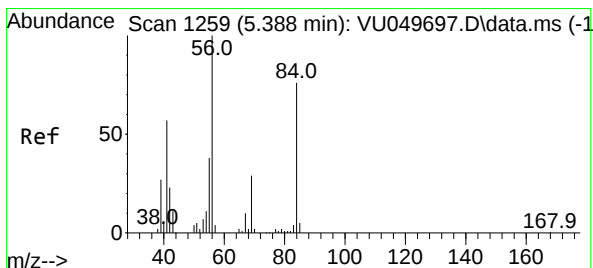
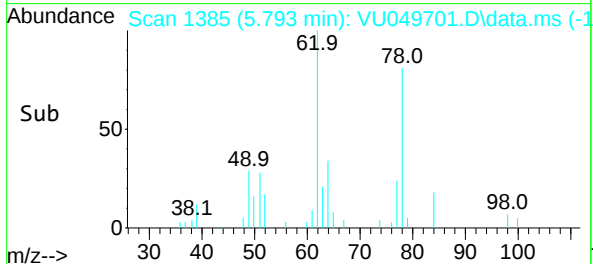
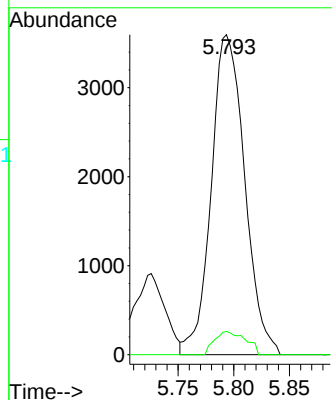
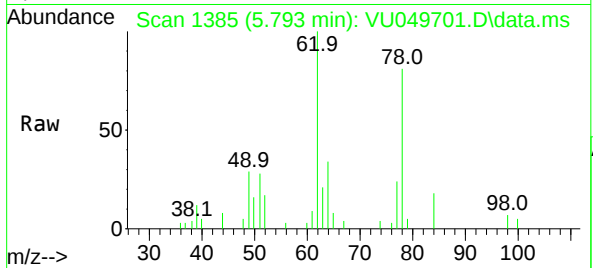
#27
1,2-Dichloroethane
Concen: 2.713 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

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

Tgt Ion: 62 Resp: 750
Ion Ratio Lower Upper
62 100
98 7.2 6.7 10.1

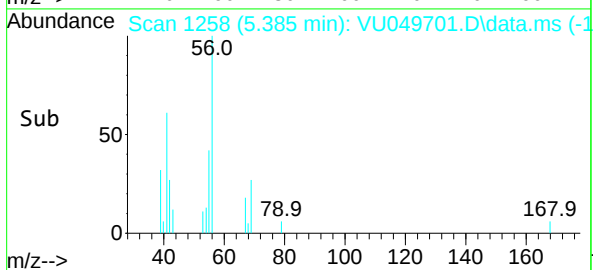
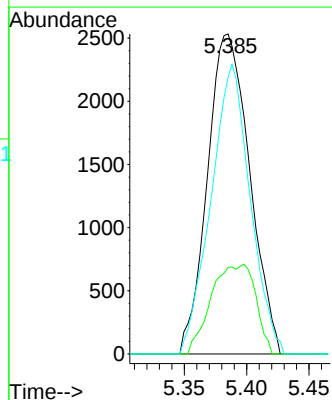
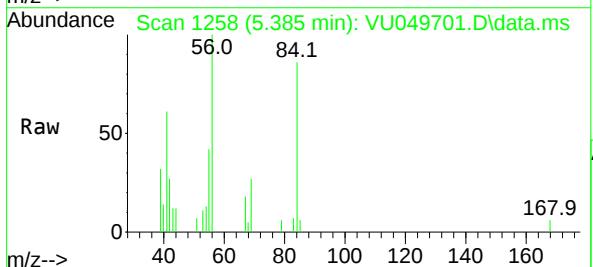
Manual Integrations
APPROVED

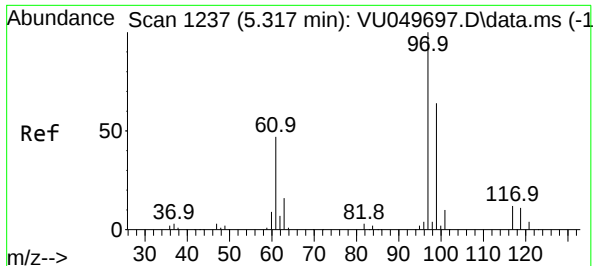
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#29
Cyclohexane
Concen: 2.032 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion: 56 Resp: 5971
Ion Ratio Lower Upper
56 100
69 17.5 23.4 35.2#
84 83.9 63.1 94.7





#30

1,1,1-Trichloroethane

Concen: 2.448 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

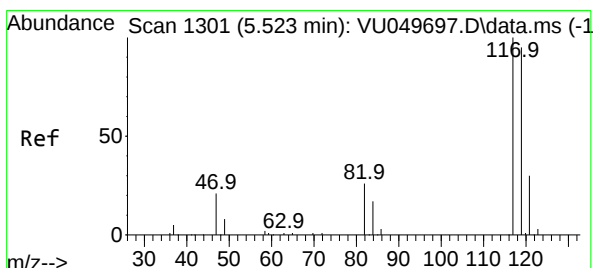
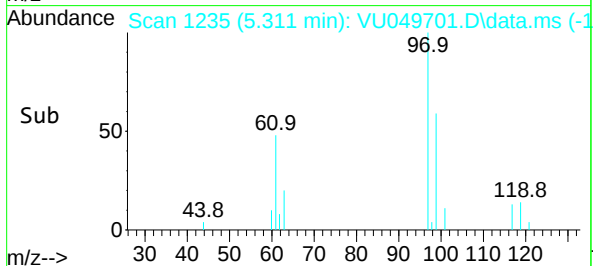
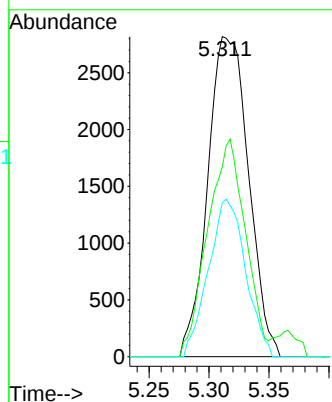
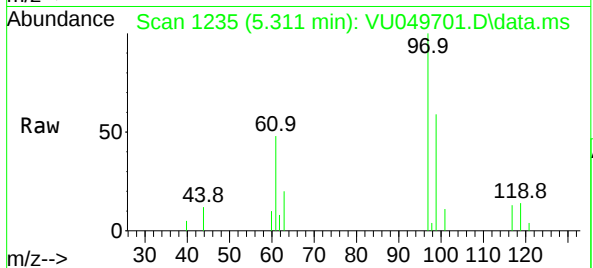
Tgt Ion: 97	Resp: 6670
Ion Ratio	Lower Upper
97 100	
99 63.1	51.3 76.9
61 44.8	38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#31

Carbon tetrachloride

Concen: 2.298 ug/L

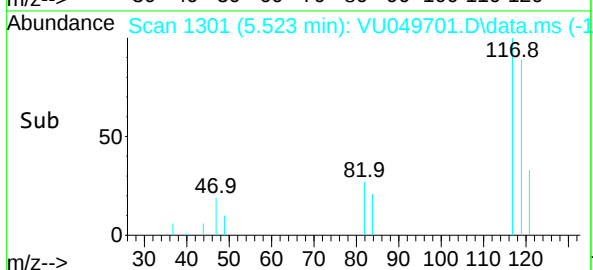
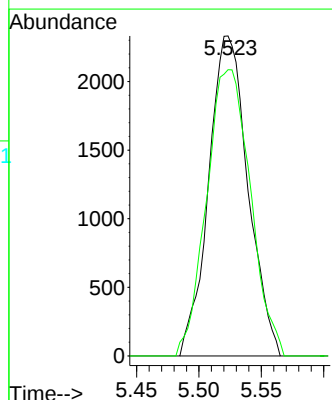
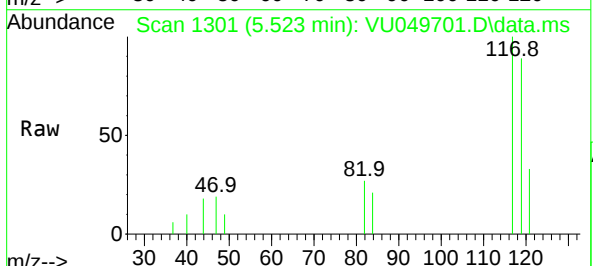
RT: 5.523 min Scan# 1301

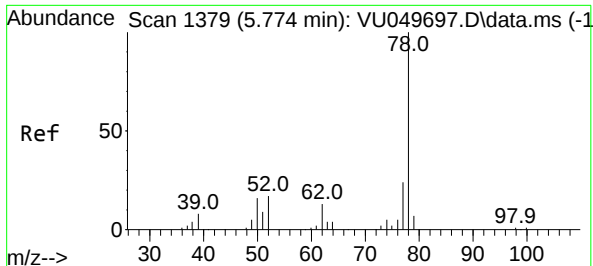
Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Tgt Ion:117	Resp: 5123
Ion Ratio	Lower Upper
117 100	
119 99.7	75.8 113.8





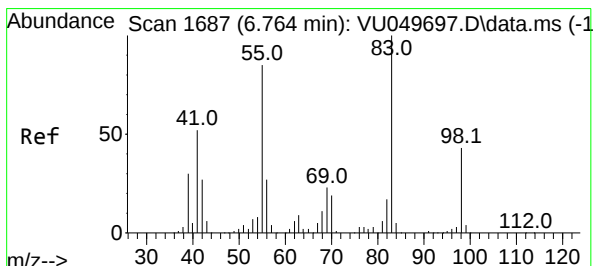
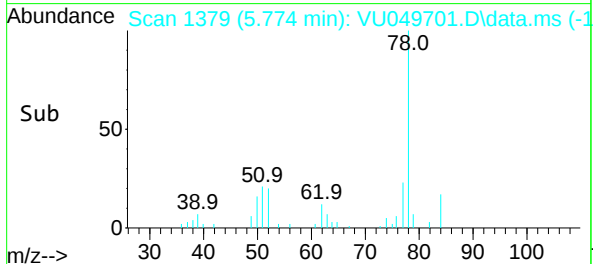
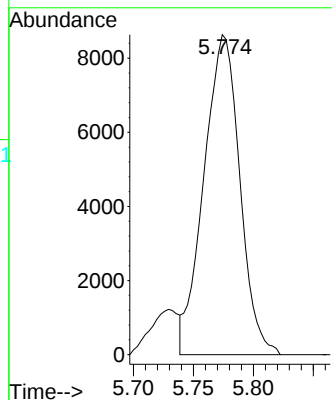
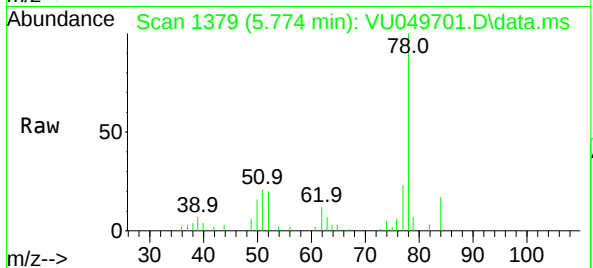
#33
Benzene
Concen: 2.539 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

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

Tgt Ion: 78 Resp: 1796

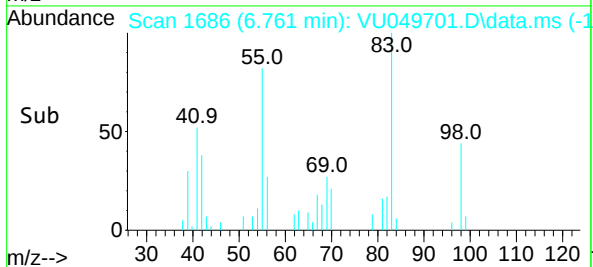
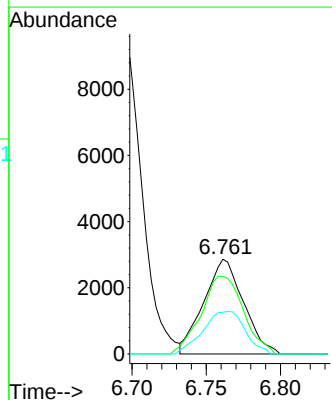
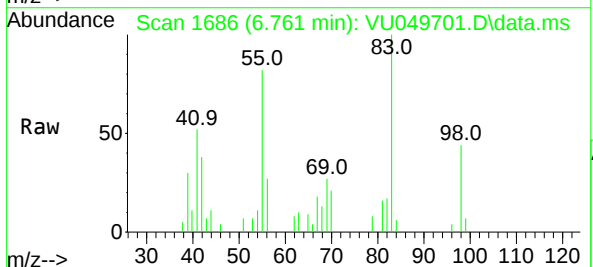
Manual Integrations
APPROVED

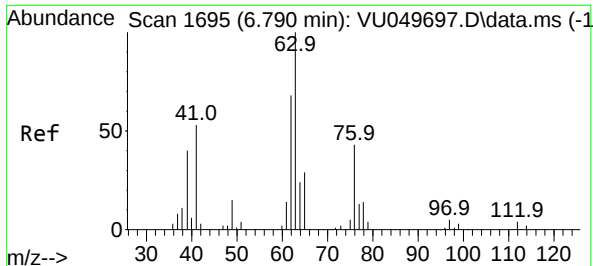
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#35
Methylcyclohexane
Concen: 1.976 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion: 83 Resp: 5310
Ion Ratio Lower Upper
83 100
55 87.3 66.0 99.0
98 47.6 34.6 51.8





#37

1,2-Dichloropropane

Concen: 2.684 ug/L

RT: 6.790 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 63 Resp: 526

Ion Ratio Lower Upper

63 100

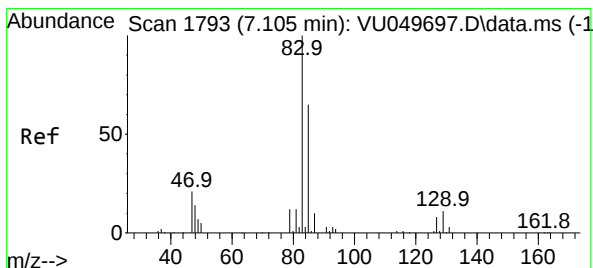
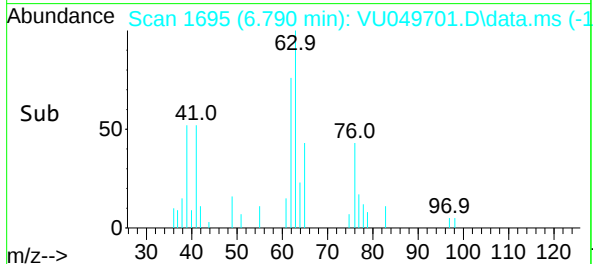
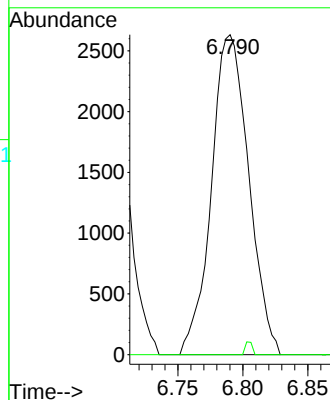
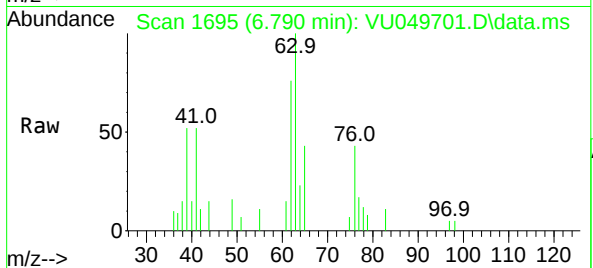
112 0.8 2.8 4.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#38

Bromodichloromethane

Concen: 2.579 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

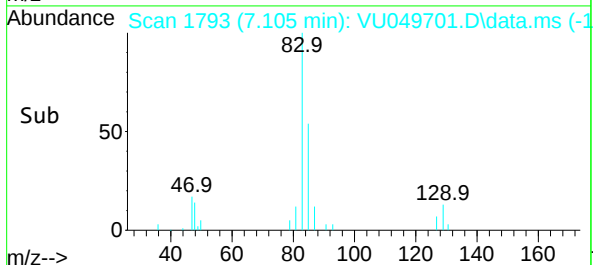
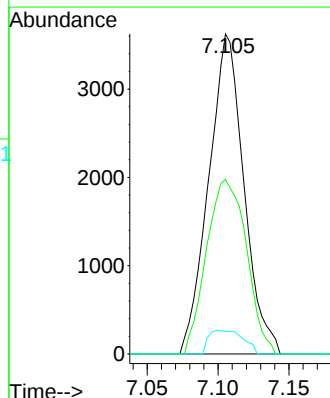
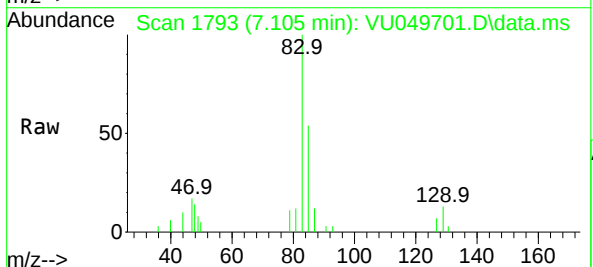
Tgt Ion: 83 Resp: 6271

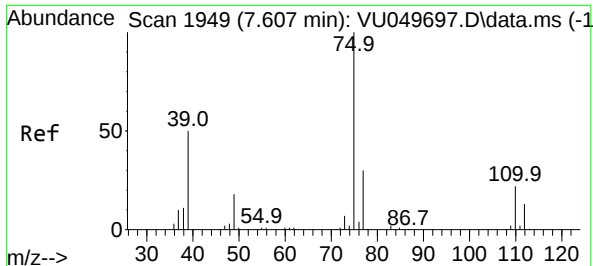
Ion Ratio Lower Upper

83 100

85 54.5 45.4 84.2

127 7.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 2.501 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 75 Resp: 661

Ion Ratio Lower Upper

75 100

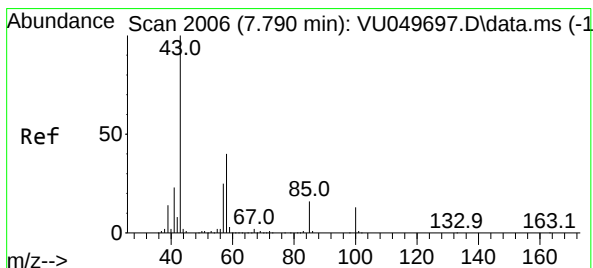
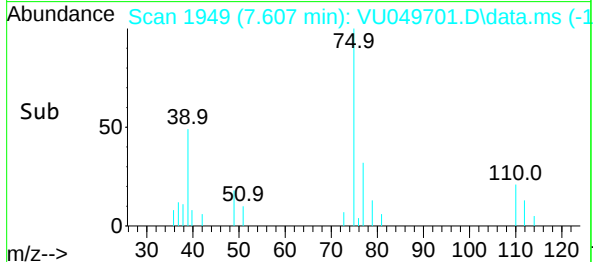
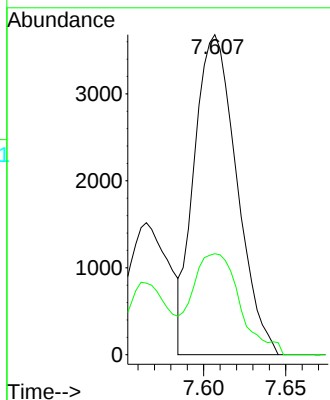
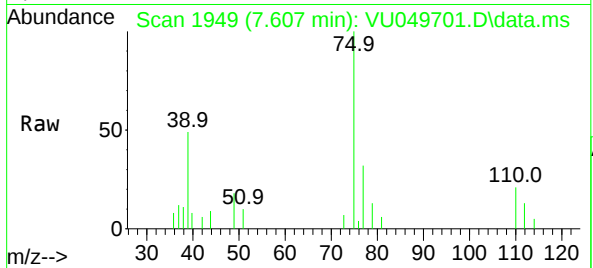
77 31.6 22.6 42.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#40

4-Methyl-2-pentanone

Concen: 5.122 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

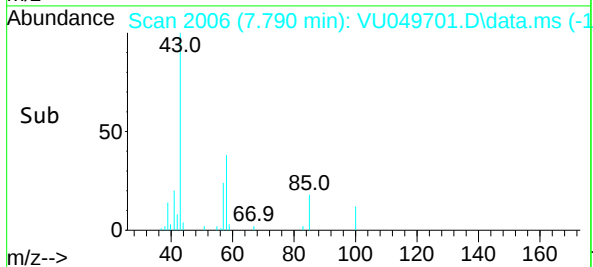
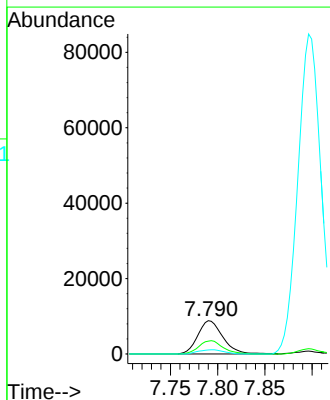
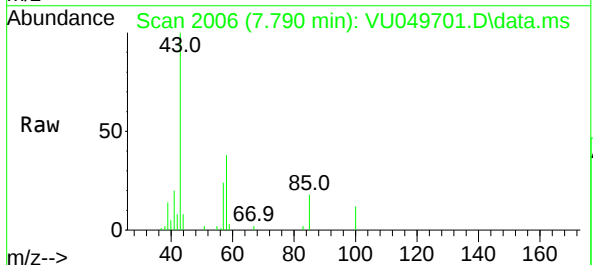
Tgt Ion: 43 Resp: 16263

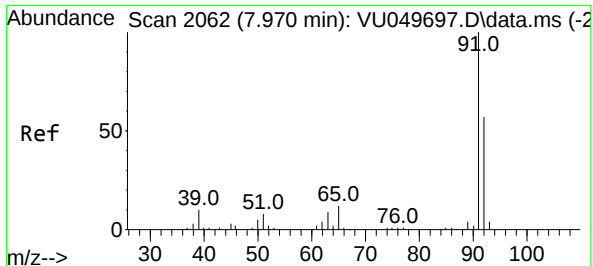
Ion Ratio Lower Upper

43 100

58 38.1 31.4 47.0

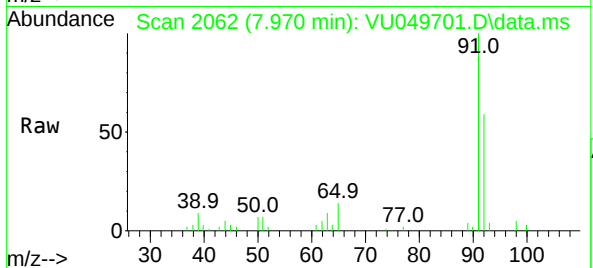
100 12.5 10.3 15.5





#42
Toluene
Concen: 2.506 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

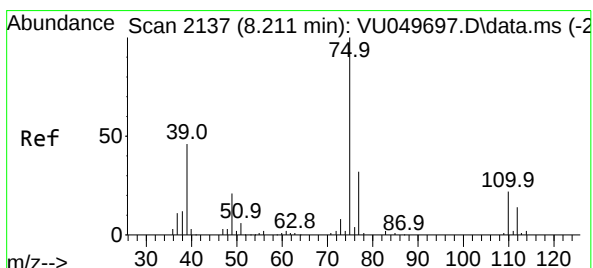
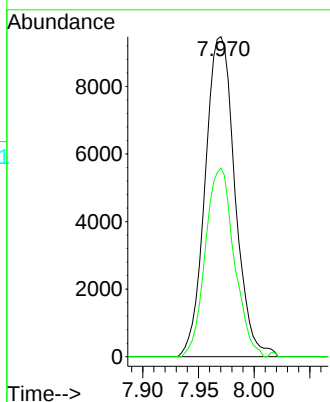
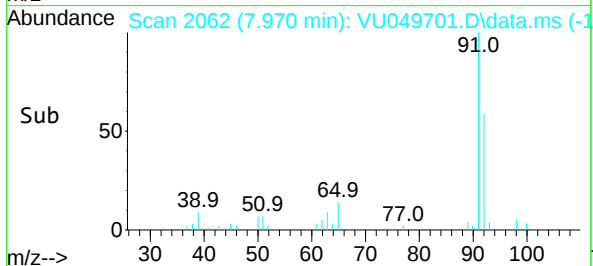
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 91 Resp: 1762
Ion Ratio Lower Upper
91 100
92 59.0 40.8 75.8

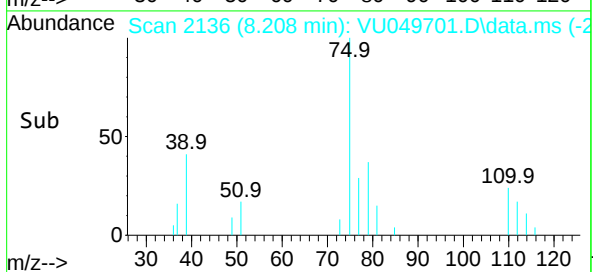
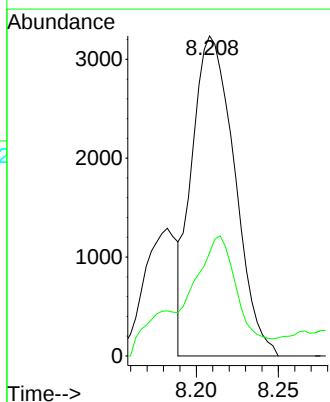
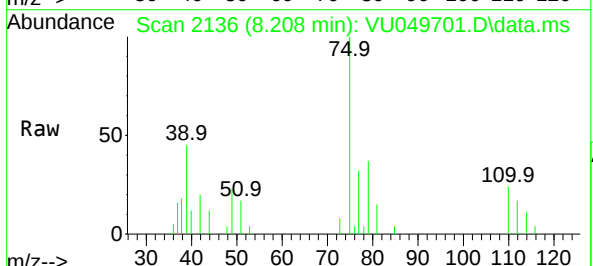
Manual Integrations
APPROVED

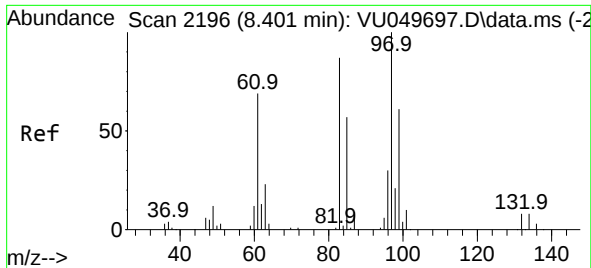
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#44
trans-1,3-Dichloropropene
Concen: 2.352 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

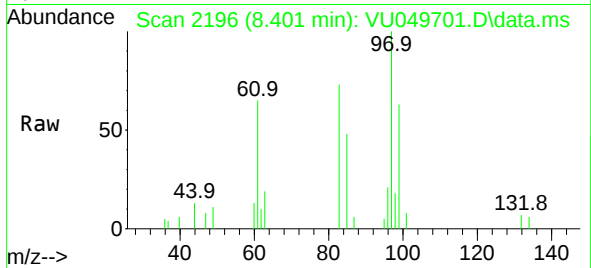
Tgt Ion: 75 Resp: 5840
Ion Ratio Lower Upper
75 100
77 32.2 22.5 41.9





#45
1,1,2-Trichloroethane
Concen: 2.831 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

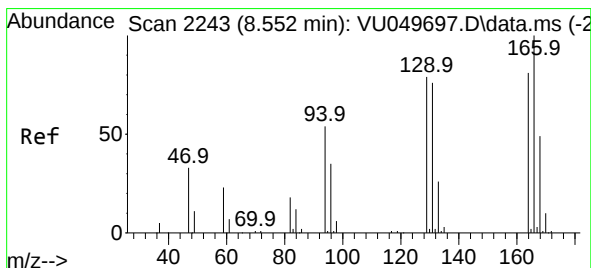
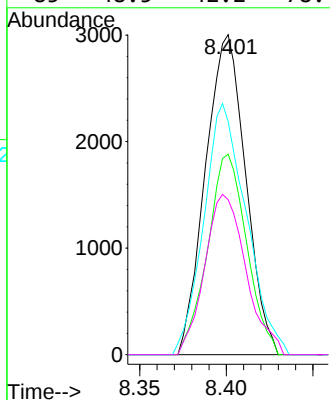
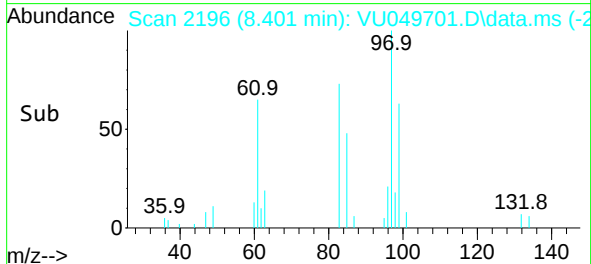
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



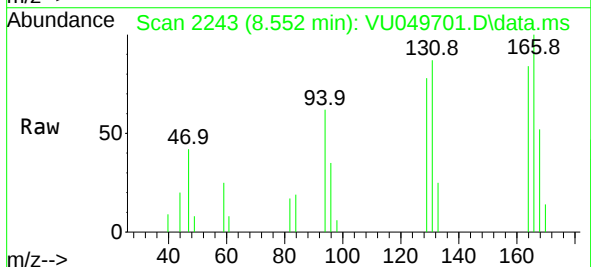
Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.3	82.3
83	72.9	64.0	118.8
85	48.5	42.2	78.4

Manual Integrations
APPROVED

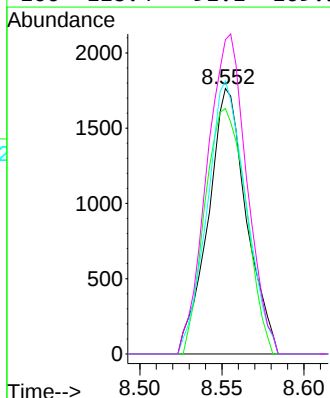
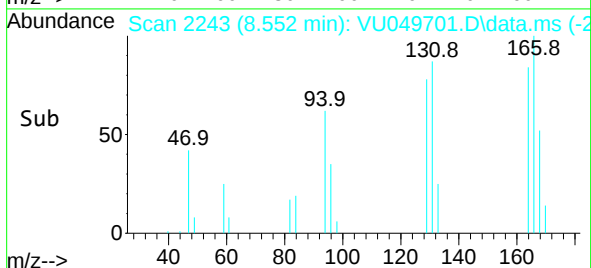
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

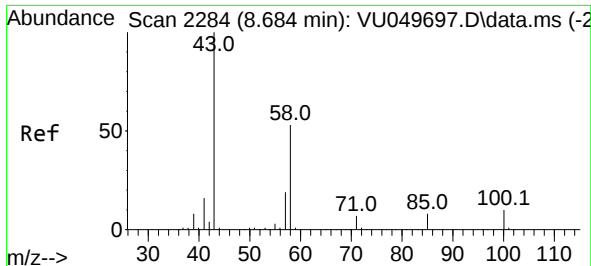


#46
Tetrachloroethene
Concen: 2.406 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21



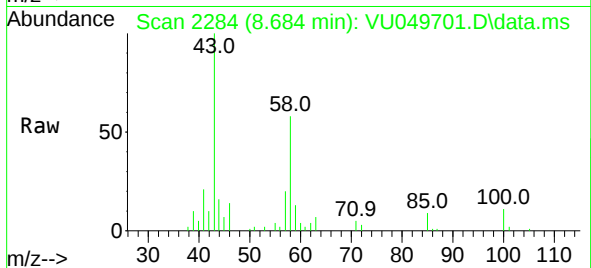
Tgt Ion	Ratio	Lower	Upper
164	100		
129	92.5	72.0	133.8
131	102.8	69.0	128.1
166	118.4	91.1	169.3





#48
2-Hexanone
Concen: 8.070 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

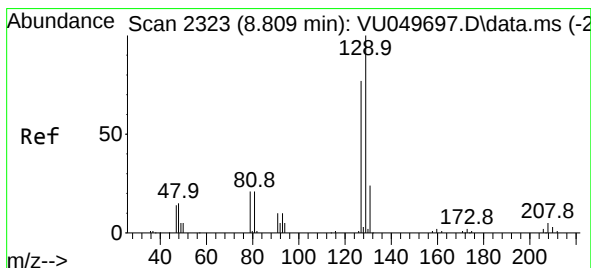
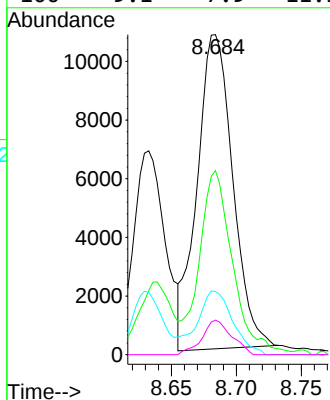
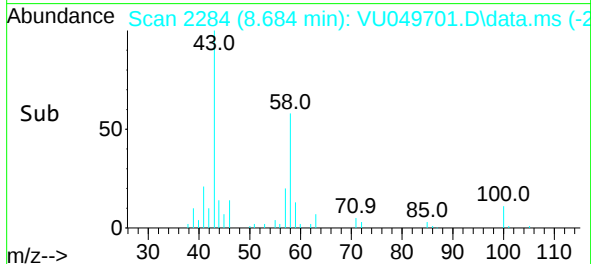
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



Tgt Ion: 43 Resp: 2047
Ion Ratio Lower Upper
43 100
58 46.6 42.6 64.0
57 19.1 15.0 22.6
100 9.1 7.9 11.9

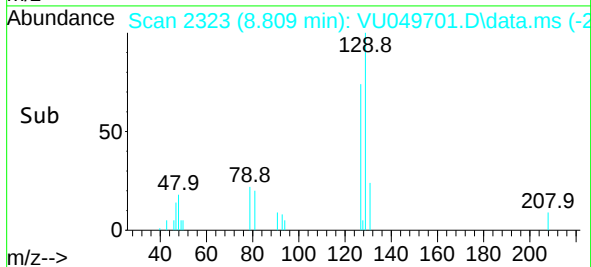
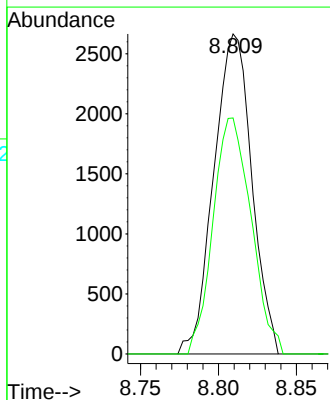
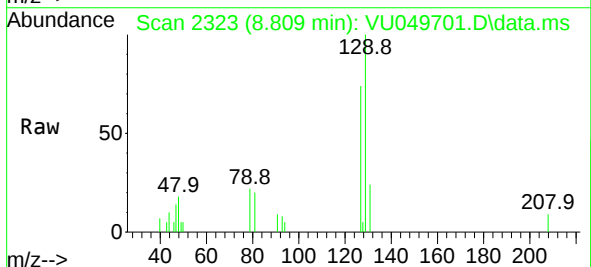
Manual Integrations
APPROVED

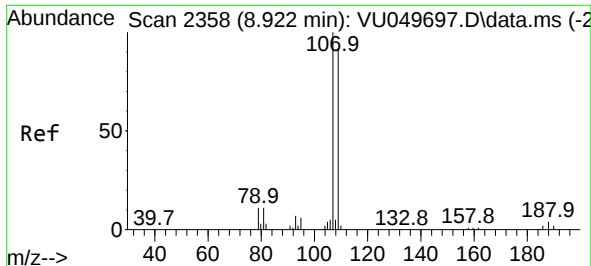
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#49
Dibromochloromethane
Concen: 2.621 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

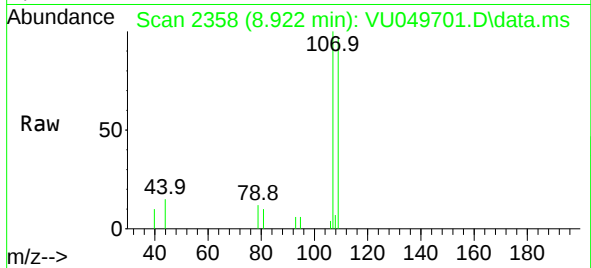
Tgt Ion:129 Resp: 4513
Ion Ratio Lower Upper
129 100
127 78.5 56.9 105.7





#50
1,2-Dibromoethane
Concen: 2.456 ug/L
RT: 8.922 min Scan# 2358
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

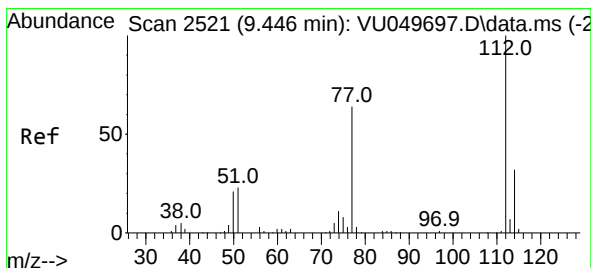
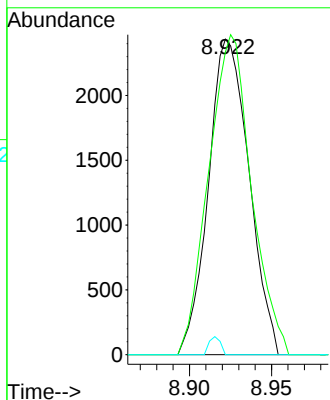
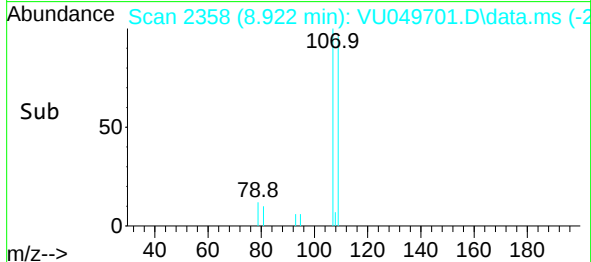
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



Tgt Ion:107 Resp: 4170
Ion Ratio Lower Upper
107 100
109 95.9 65.7 121.9
188 0.0 2.7 4.1

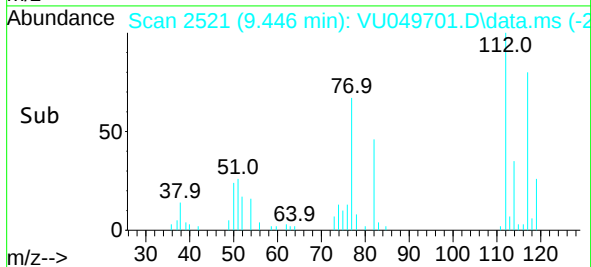
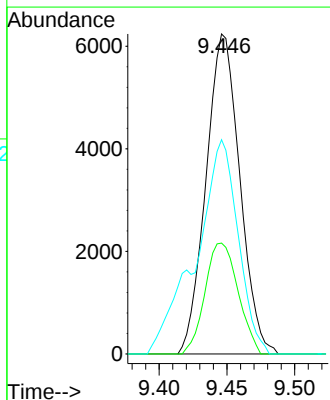
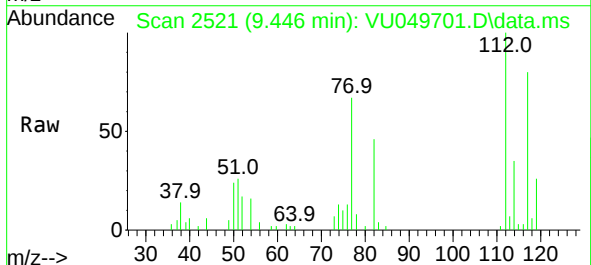
Manual Integrations
APPROVED

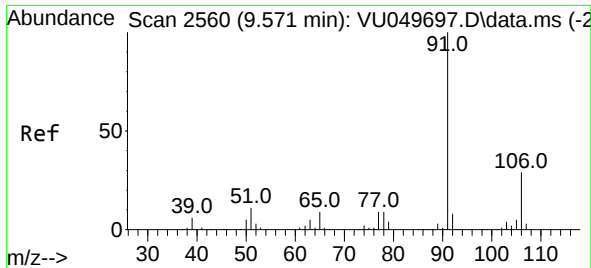
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#51
Chlorobenzene
Concen: 2.544 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:112 Resp: 10832
Ion Ratio Lower Upper
112 100
114 34.6 22.1 41.1
77 66.9 51.2 76.8





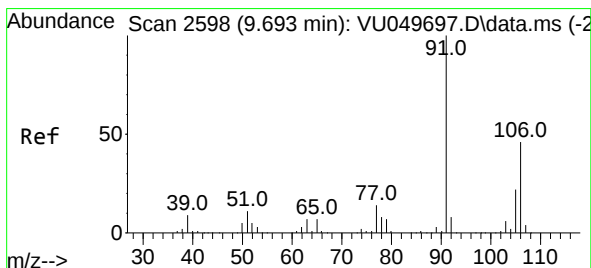
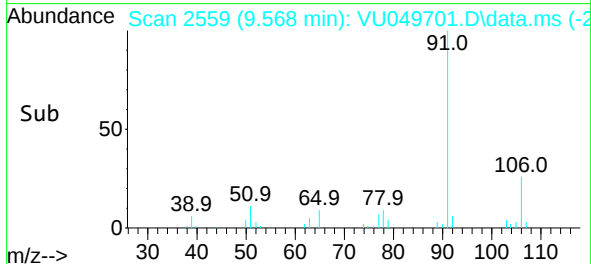
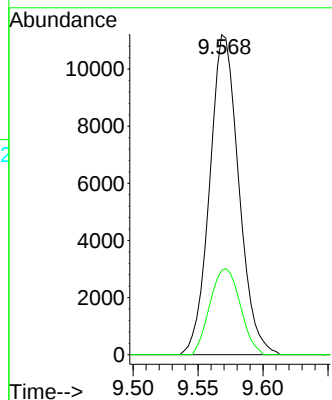
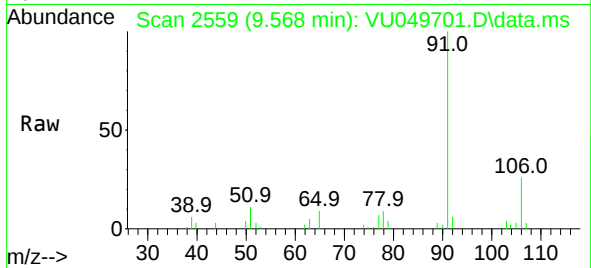
#52
Ethylbenzene
Concen: 2.355 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

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

Tgt Ion: 91 Resp: 17474
Ion Ratio Lower Upper
91 100
106 26.3 21.0 39.0

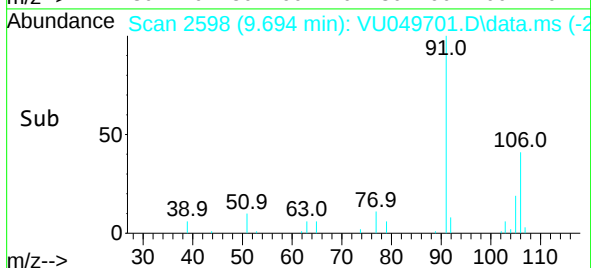
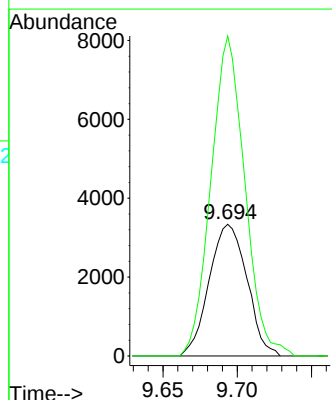
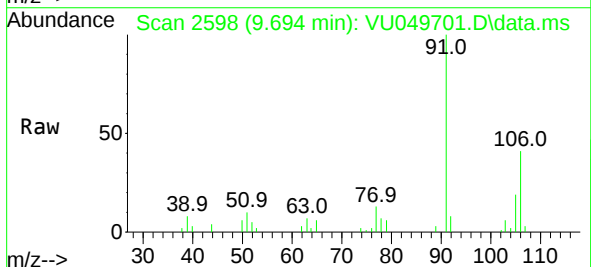
Manual Integrations
APPROVED

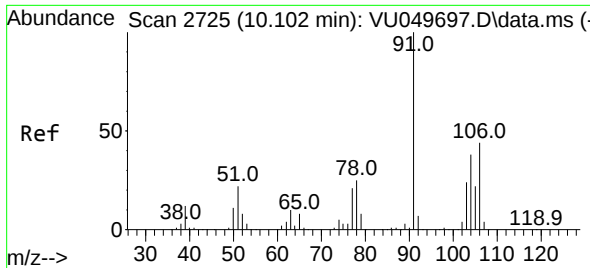
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#53
m,p-Xylene
Concen: 2.190 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:106 Resp: 5910
Ion Ratio Lower Upper
106 100
91 226.8 151.7 281.7





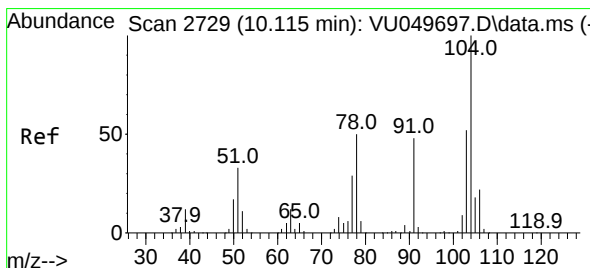
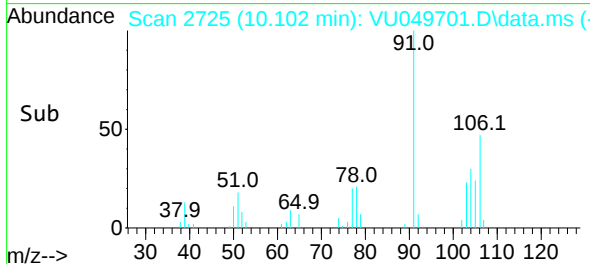
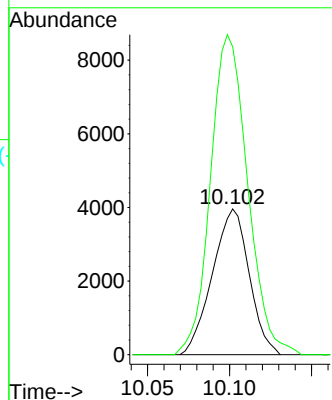
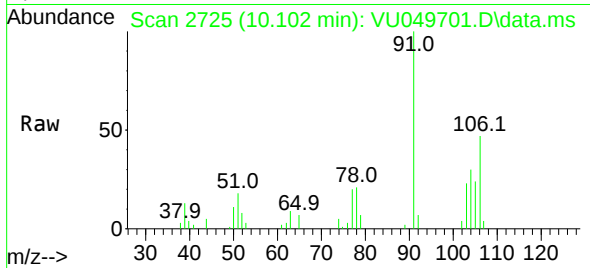
#54
o-Xylene
Concen: 2.270 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

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

Tgt Ion:106 Resp: 616
Ion Ratio Lower Upper
106 100
91 194.6 156.9 291.5

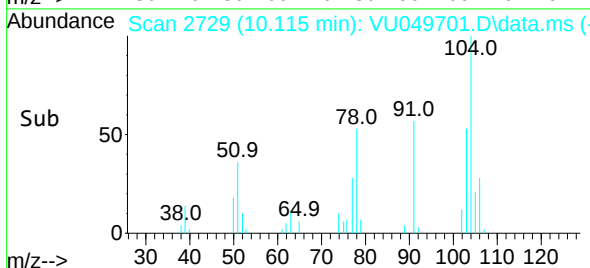
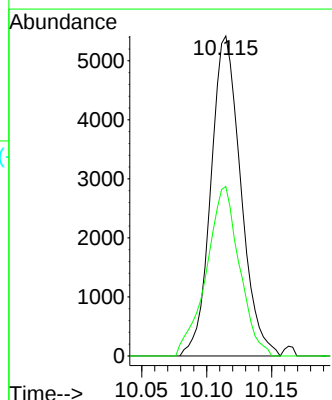
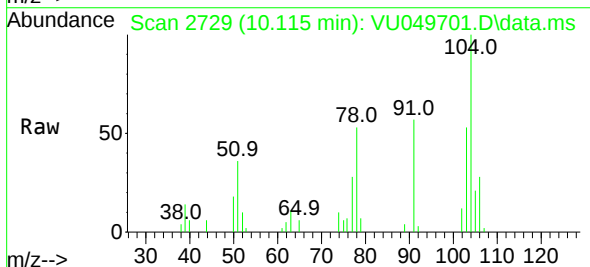
Manual Integrations
APPROVED

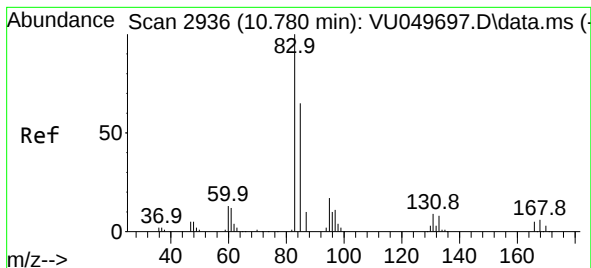
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#55
Styrene
Concen: 1.933 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

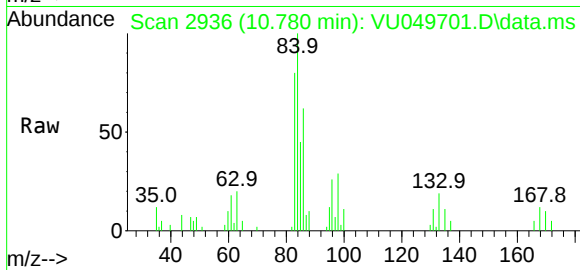
Tgt Ion:104 Resp: 8666
Ion Ratio Lower Upper
104 100
78 53.0 36.1 67.1





#57
1,1,2,2-Tetrachloroethane
Concen: 2.812 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

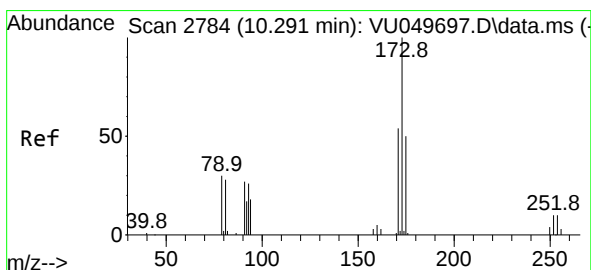
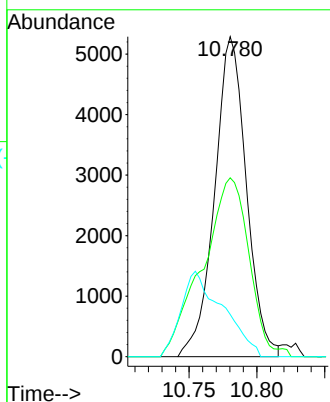
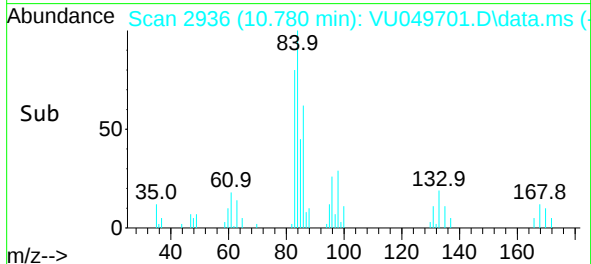
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04



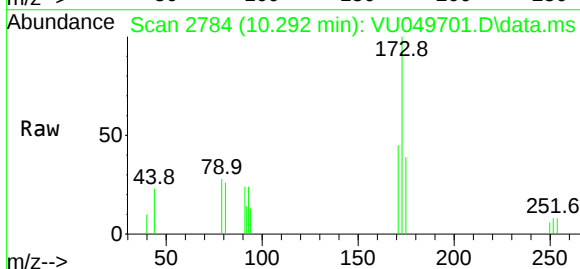
Tgt Ion: 83 Resp: 8618
Ion Ratio Lower Upper
83 100
85 55.9 45.0 83.6
131 13.2 7.0 10.6

Manual Integrations
APPROVED

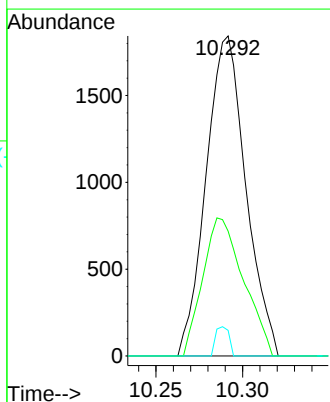
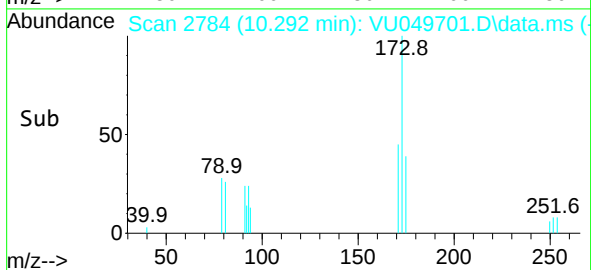
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

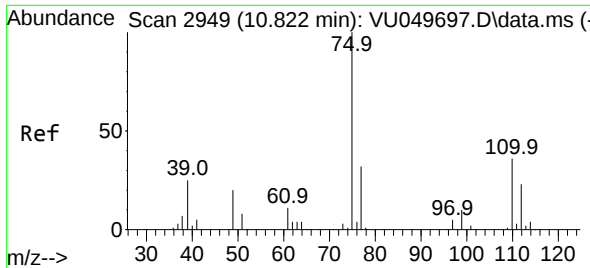


#59
Bromoform
Concen: 2.618 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21



Tgt Ion:173 Resp: 2942
Ion Ratio Lower Upper
173 100
175 44.2 38.6 58.0
254 3.1 7.4 11.0#





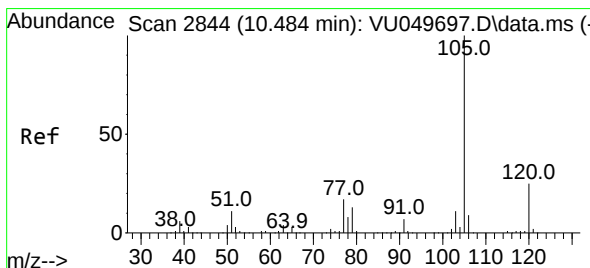
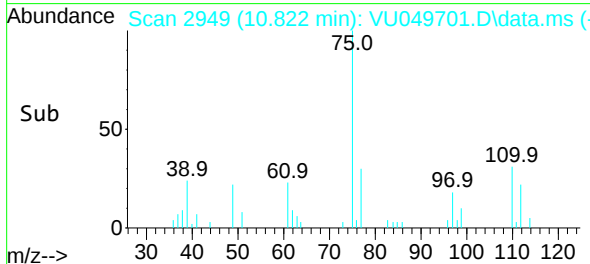
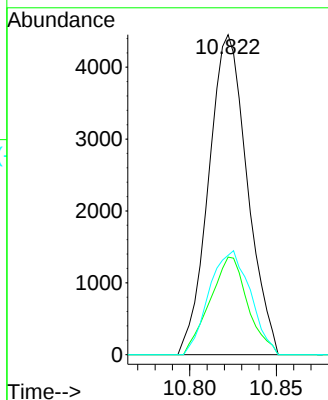
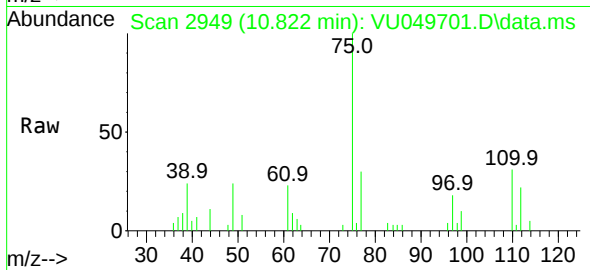
#60
1,2,3-Trichloropropane
Concen: 3.088 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

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

Tgt Ion: 75 Resp: 689
Ion Ratio Lower Upper
75 100
77 29.9 25.5 38.3
110 34.6 28.9 43.3

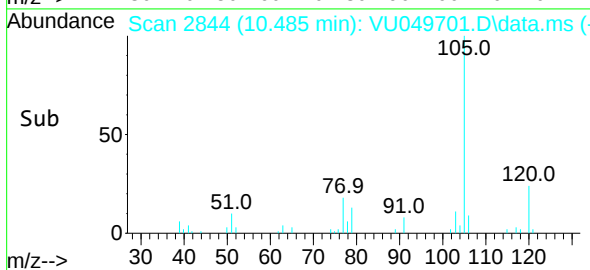
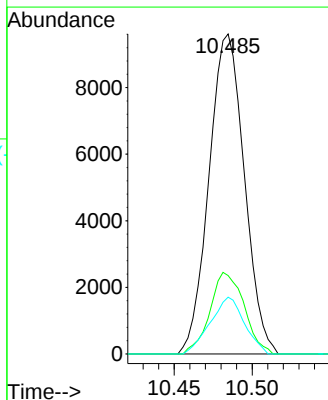
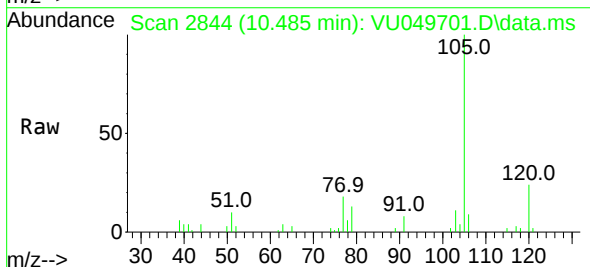
Manual Integrations
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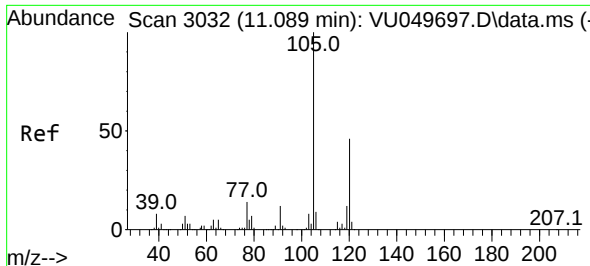
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#61
Isopropylbenzene
Concen: 2.423 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:105 Resp: 15162
Ion Ratio Lower Upper
105 100
120 24.7 19.9 29.9
77 17.2 13.8 20.8





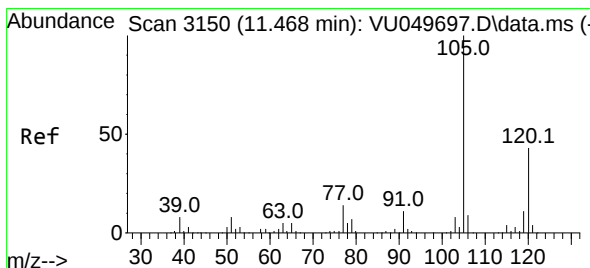
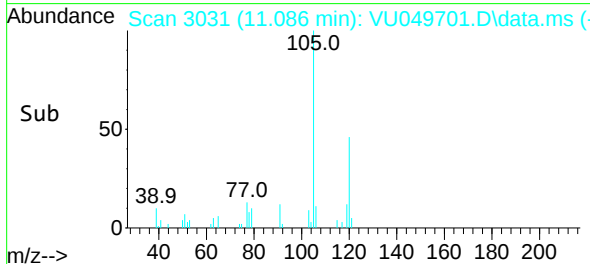
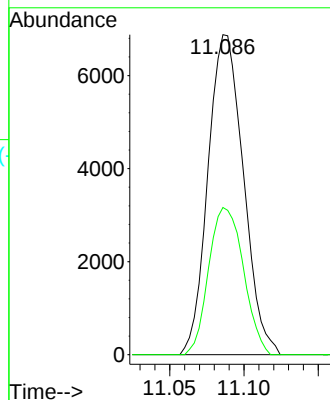
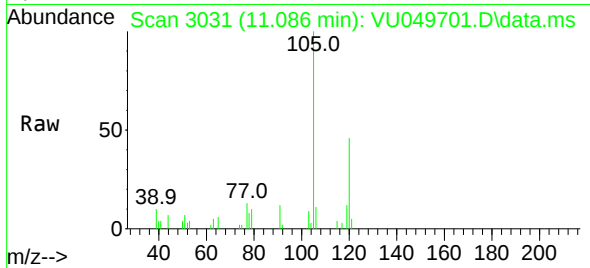
#62
1,3,5-Trimethylbenzene
Concen: 2.161 ug/L
RT: 11.086 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

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

Tgt Ion:105 Resp: 1140
Ion Ratio Lower Upper
105 100
120 45.1 36.8 55.2

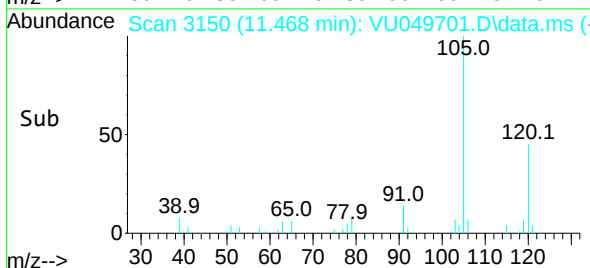
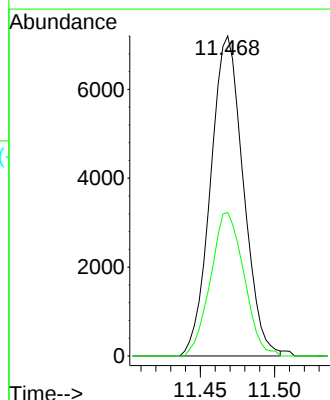
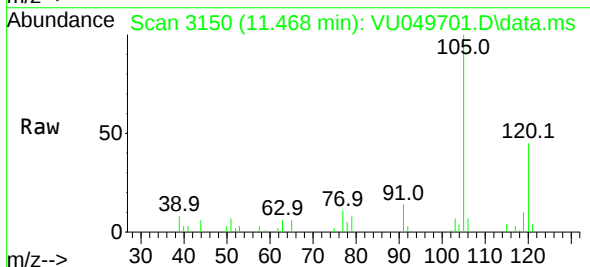
Manual Integrations
APPROVED

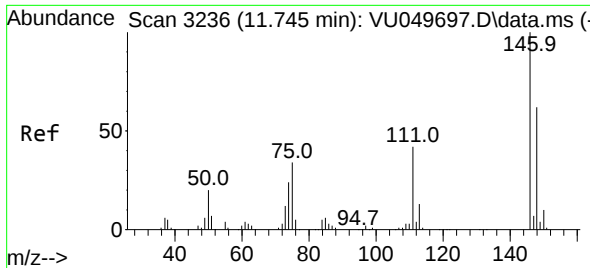
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#63
1,2,4-Trimethylbenzene
Concen: 2.104 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

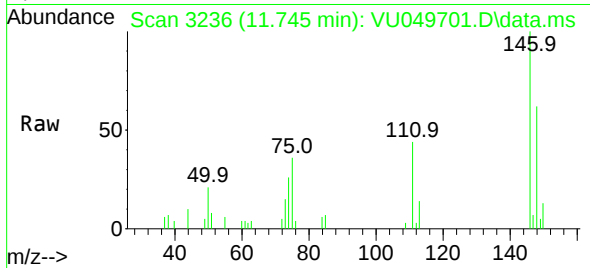
Tgt Ion:105 Resp: 11031
Ion Ratio Lower Upper
105 100
120 45.5 33.9 50.9





#64
1,3-Dichlorobenzene
Concen: 2.429 ug/L
RT: 11.745 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

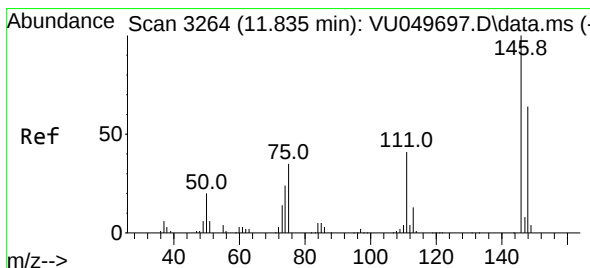
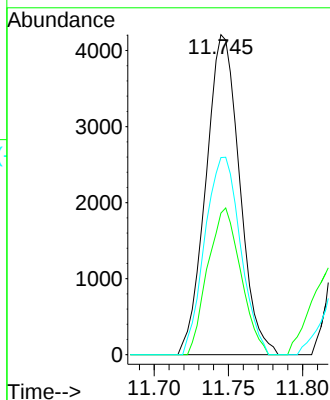
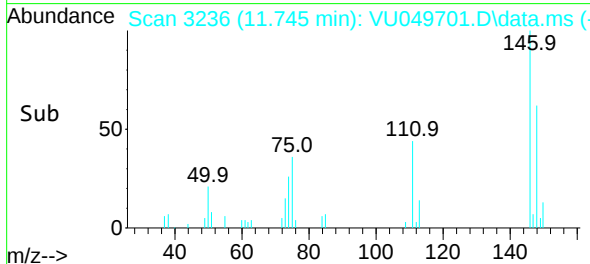
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



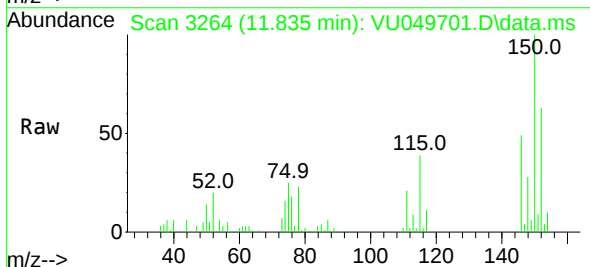
Tgt Ion:146 Resp: 663
Ion Ratio Lower Upper
146 100
111 41.3 30.0 55.6
148 57.5 45.1 83.9

Manual Integrations
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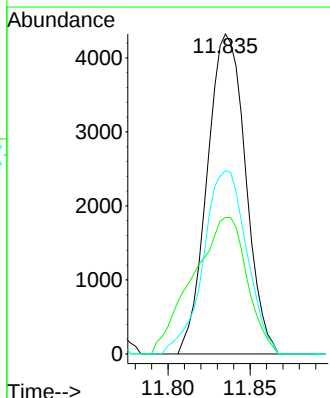
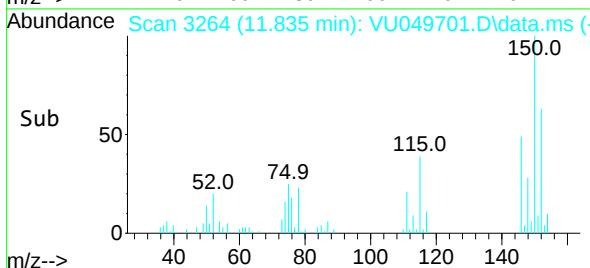
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

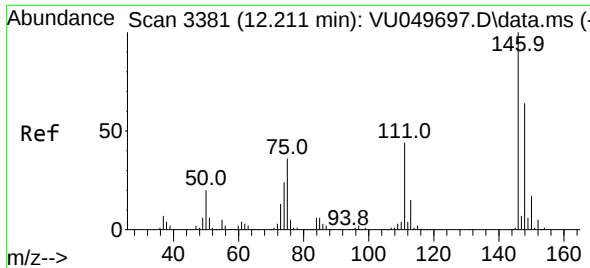


#65
1,4-Dichlorobenzene
Concen: 2.559 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21



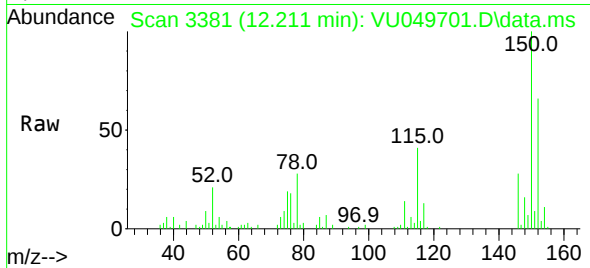
Tgt Ion:146 Resp: 7021
Ion Ratio Lower Upper
146 100
111 42.7 29.1 54.1
148 57.3 44.4 82.4





#67
1,2-Dichlorobenzene
Concen: 2.800 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

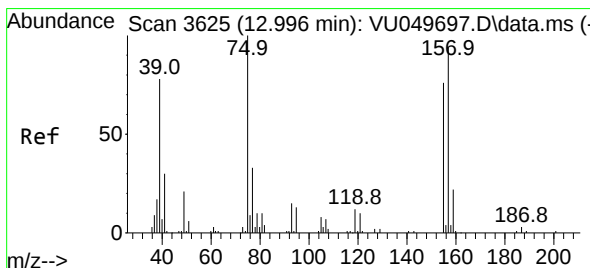
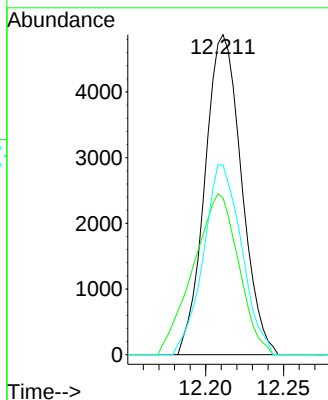
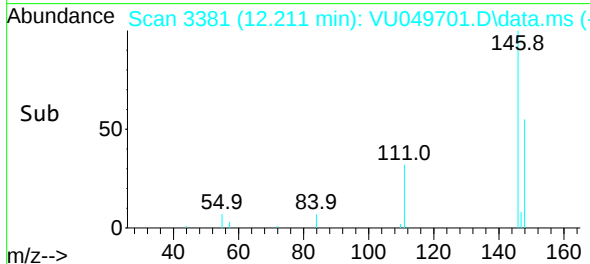
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



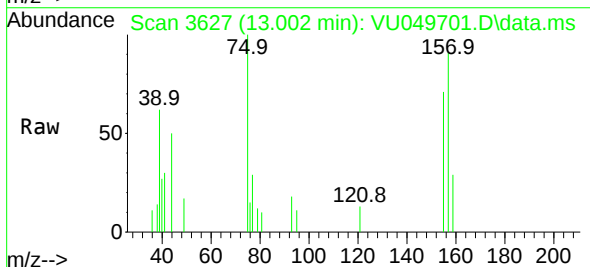
Tgt Ion:146 Resp: 795
Ion Ratio Lower Upper
146 100
111 45.6 35.8 53.8
148 55.2 52.7 79.1

Manual Integrations
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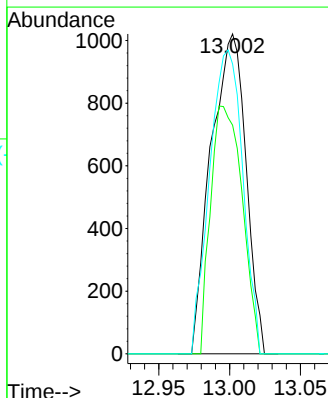
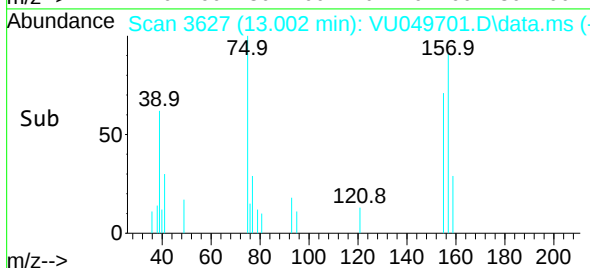
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

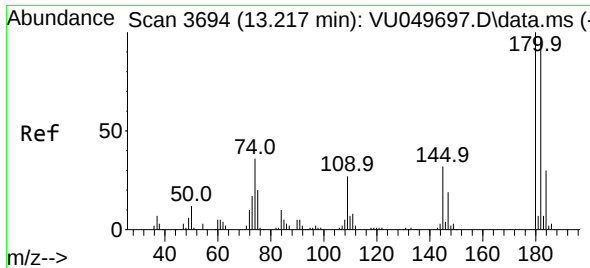


#68
1,2-Dibromo-3-chloropropane
Concen: 2.677 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. 0.007 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21



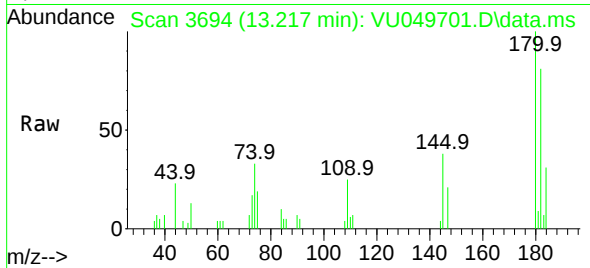
Tgt Ion: 75 Resp: 1751
Ion Ratio Lower Upper
75 100
155 71.5 57.7 86.5
157 90.6 75.6 113.4





#69
1,3,5-Trichlorobenzene
Concen: 2.516 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

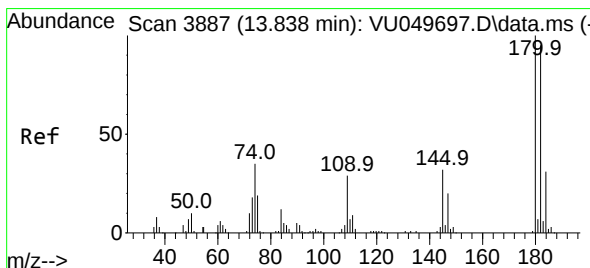
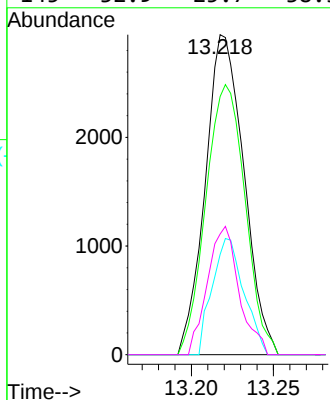
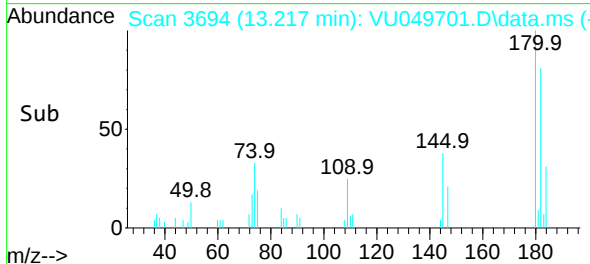
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04



Tgt Ion:180 Resp: 4815
Ion Ratio Lower Upper
180 100
182 85.7 76.0 114.0
184 29.8 24.0 36.0
145 32.9 25.7 38.5

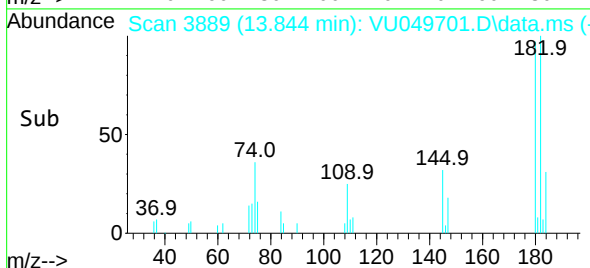
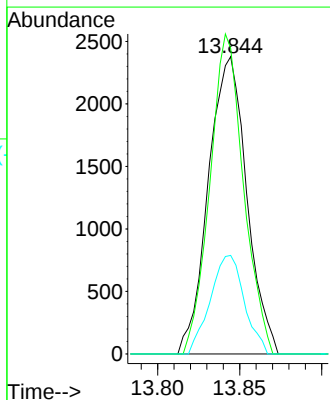
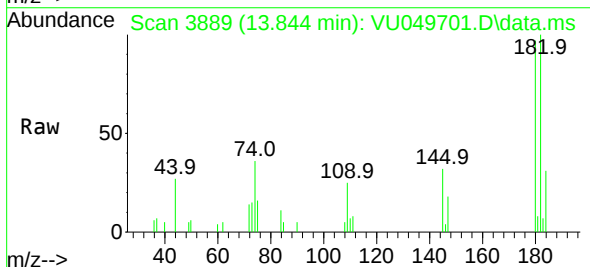
Manual Integrations
APPROVED

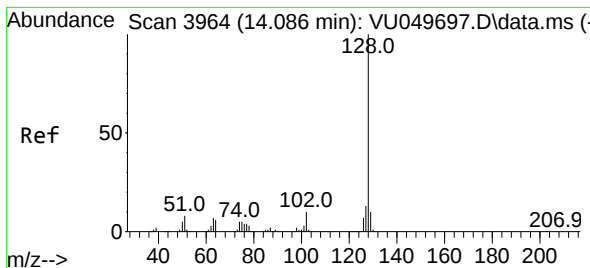
Reviewed By :Krupa Patel 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#70
1,2,4-trichlorobenzene
Concen: 2.200 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. 0.007 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:180 Resp: 3864
Ion Ratio Lower Upper
180 100
182 94.0 74.8 112.2
145 29.4 24.7 37.1





#71

Naphthalene

Concen: 2.191 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

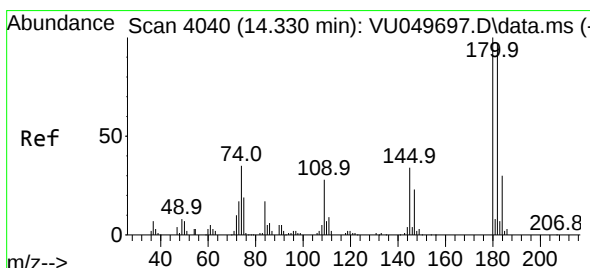
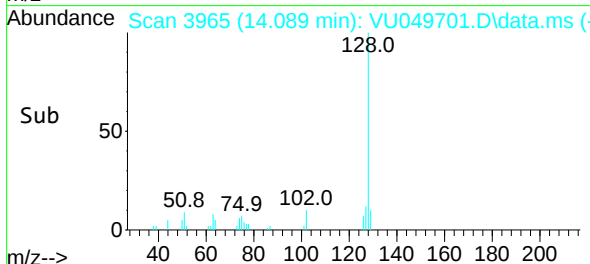
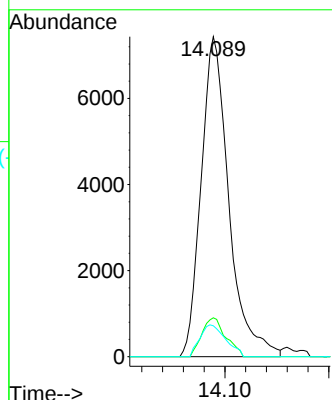
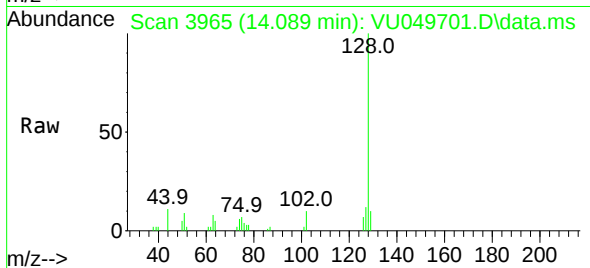
Tgt Ion:128	Resp:	13750
Ion Ratio	Lower	Upper
128	100	
127	10.5	10.2 15.4
129	9.2	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#72

1,2,3-Trichlorobenzene

Concen: 2.461 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Tgt Ion:180	Resp:	4477
Ion Ratio	Lower	Upper
180	100	
182	87.5	76.6 115.0
145	34.9	27.1 40.7

