

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072222\
 Data File : VW026889.D
 Acq On : 22 Jul 2022 15:57
 Operator : SY/MD
 Sample : N3670-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 23 04:55:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 23 00:23:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/23/2022
 Supervised By :Semsettin Yesilyurt 07/24/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	528443	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	537697	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	238267	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	211632	47.750	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.500%
7) Chloroethane-d5	1.561	69	175405	48.920	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.840%
11) 1,1-Dichloroethene-d2	2.101	63	294173	36.893	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.780%
21) 2-Butanone-d5	3.883	46	347606	116.356	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.360%
24) Chloroform-d	4.342	84	421925	48.371	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.740%
26) 1,2-Dichloroethane-d4	5.027	65	256805	51.469	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.940%
32) Benzene-d6	5.047	84	835095	51.380	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.760%
36) 1,2-Dichloropropane-d6	6.066	67	279025	53.271	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.540%
41) Toluene-d8	7.313	98	689968	48.517	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.040%
43) trans-1,3-Dichloroprop...	7.619	79	108039	49.226	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.460%
47) 2-Hexanone-d5	8.088	63	260259	114.115	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.120%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	410256	51.559	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.120%
66) 1,2-Dichlorobenzene-d4	11.622	152	257745	57.660	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	12565	2.302	ug/L	96
3) Chloromethane	1.240	50	12922	2.531	ug/L	100
5) Vinyl chloride	1.307	62	13499	2.487	ug/L #	79
6) Bromomethane	1.516	94	9405	2.868	ug/L	99
8) Chloroethane	1.581	64	7914	2.482	ug/L	99
9) Trichlorofluoromethane	1.748	101	18022	2.410	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	12784	2.923	ug/L	88
12) 1,1-Dichloroethene	2.111	96	12341	3.020	ug/L #	1
13) Acetone	2.175	43	13155	6.271	ug/L	99
14) Carbon disulfide	2.288	76	28880	2.477	ug/L	98
15) Methyl Acetate	2.436	43	11420	2.468	ug/L	99
16) Methylene chloride	2.503	84	19763	3.795	ug/L	95
17) trans-1,2-Dichloroethene	2.757	96	10359	2.399	ug/L	95
18) Methyl tert-butyl Ether	2.770	73	27550	2.297	ug/L	98
19) 1,1-Dichloroethane	3.185	63	19836	2.495	ug/L	97
20) cis-1,2-Dichloroethene	3.905	96	11286	2.480	ug/L	99
22) 2-Butanone	4.005	43	16987m	5.938	ug/L	
23) Bromochloromethane	4.259	128	5871m	2.253	ug/L	
27) 1,2-Dichloroethane	5.133	62	15096	2.523	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.674	56	12210	2.172	ug/L	96
30) 1,1,1-Trichloroethane	4.606	97	16915	2.381	ug/L	100
31) Carbon tetrachloride	4.828	117	14529	2.336	ug/L	98
33) Benzene	5.098	78	43394	2.510	ug/L	100
35) Methylcyclohexane	6.127	83	14936	2.270	ug/L	96
37) 1,2-Dichloropropane	6.178	63	10451	2.322	ug/L #	92
38) Bromodichloromethane	6.516	83	14432	2.366	ug/L #	98
39) cis-1,3-Dichloropropene	7.034	75	13549	2.169	ug/L	95
40) 4-Methyl-2-pentanone	7.233	43	23795	4.443	ug/L #	97
42) Toluene	7.391	91	42840	2.427	ug/L	98
44) trans-1,3-Dichloropropene	7.657	75	14413	2.340	ug/L	88
45) 1,1,2-Trichloroethane	7.844	97	12172	2.540	ug/L	98
46) Tetrachloroethene	7.976	164	7690	2.219	ug/L	94
48) 2-Hexanone	8.146	43	25777	6.184	ug/L	96
49) Dibromochloromethane	8.246	129	11660	2.328	ug/L	99
50) 1,2-Dibromoethane	8.355	107	12019	2.451	ug/L	93
51) Chlorobenzene	8.879	112	29167	2.371	ug/L	98
52) Ethylbenzene	9.014	91	37399	2.041	ug/L	99
53) m,p-Xylene	9.143	106	12810	1.786	ug/L	98
54) o-Xylene	9.545	106	12736	1.843	ug/L	98
55) Styrene	9.564	104	21457	1.759	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	22571	2.917	ug/L	94
59) Bromoform	9.735	173	7167	2.692	ug/L #	99
60) Isopropylbenzene	9.931	105	31699	2.251	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	15495	3.241	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	24550	2.145	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	23655	2.061	ug/L	98
64) 1,3-Dichlorobenzene	11.185	146	18186	2.528	ug/L	100
65) 1,4-Dichlorobenzene	11.275	146	18775	2.463	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	20957	2.839	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.429	75	3784	2.962	ug/L	97
69) 1,3,5-Trichlorobenzene	12.648	180	12326	2.420	ug/L	97
70) 1,2,4-trichlorobenzene	13.265	180	9982	2.326	ug/L	99
71) Naphthalene	13.503	128	29801	2.208	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	10435	2.331	ug/L	98

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

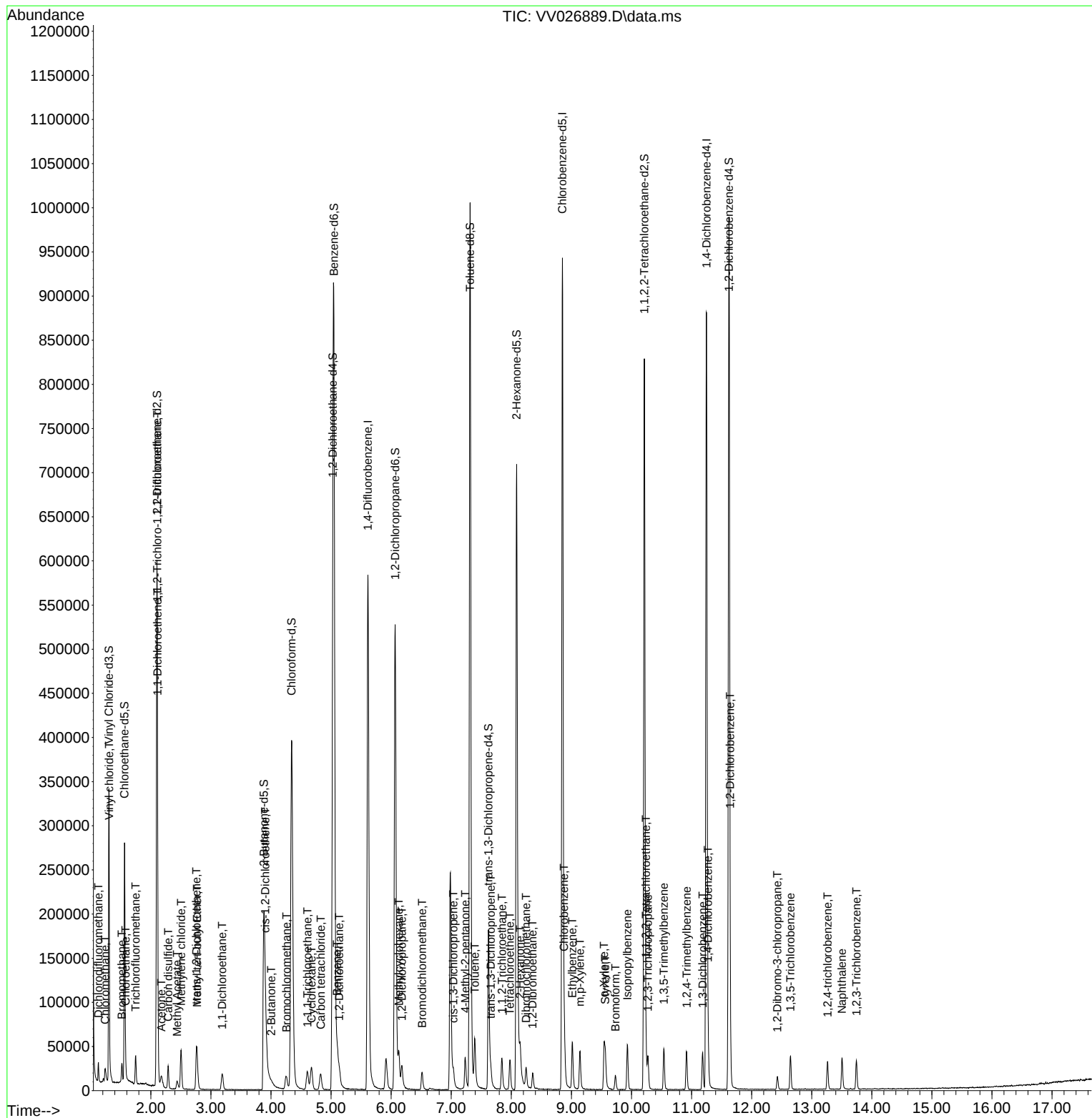
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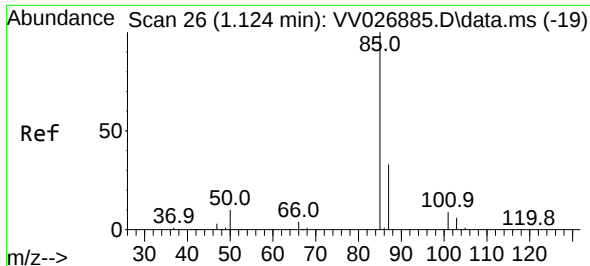
Instrument :
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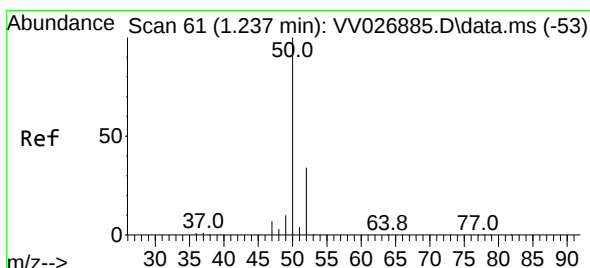
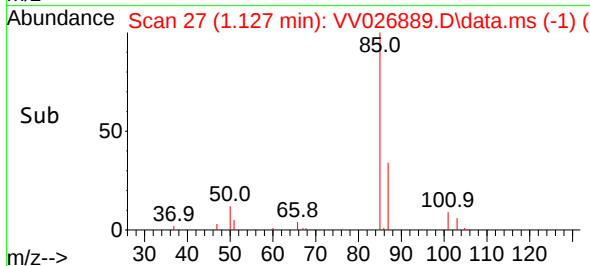
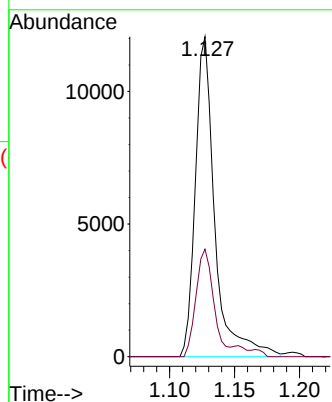
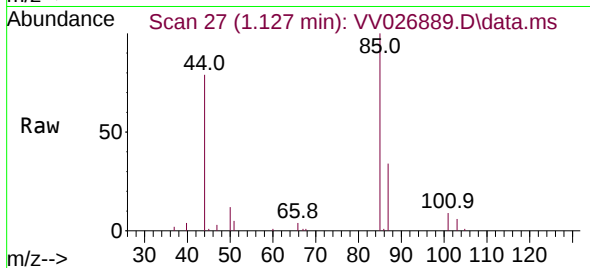
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Dichlorodifluoromethane
Concen: 2.302 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

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

Tgt Ion: 85 Resp: 1256
Ion Ratio Lower Upper
85 100
87 30.5 26.1 39.1

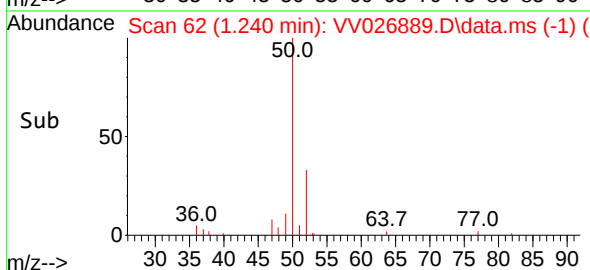
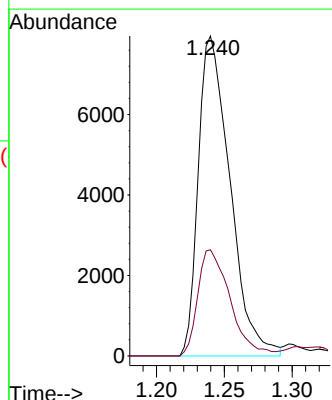
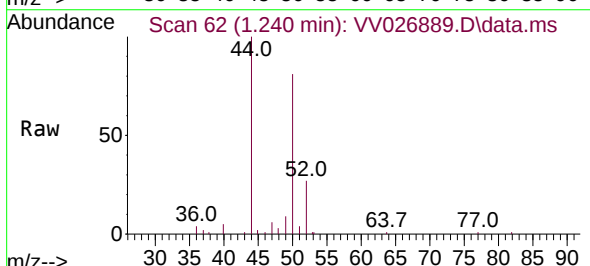
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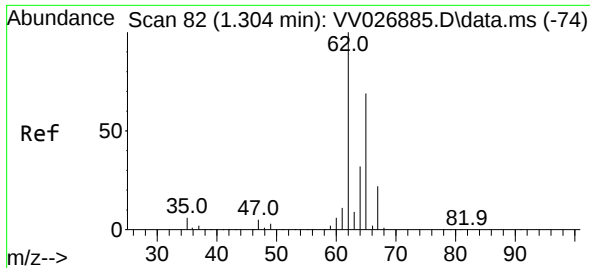
Reviewed By :Krupa Patel 07/23/2022
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#3
Chloromethane
Concen: 2.531 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

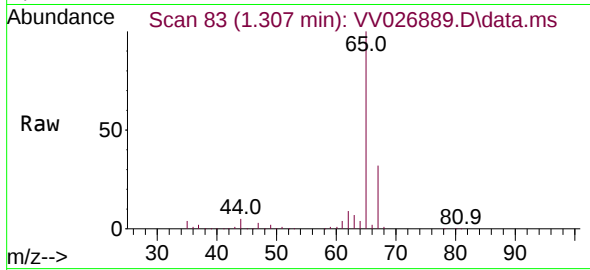
Tgt Ion: 50 Resp: 12922
Ion Ratio Lower Upper
50 100
52 33.2 23.1 42.9





#5
 Vinyl chloride
 Concen: 2.487 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV026889.D
 Acq: 22 Jul 2022 15:57

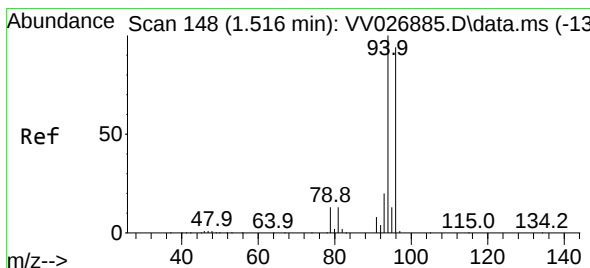
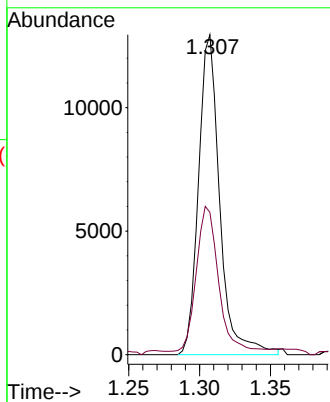
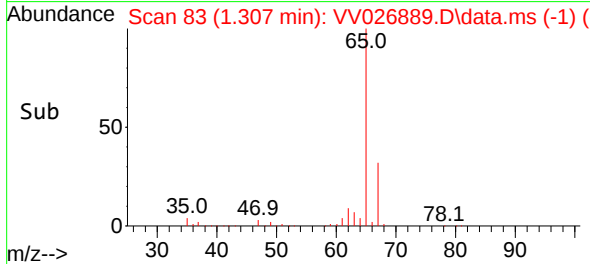
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 62 Resp: 13499
 Ion Ratio Lower Upper
 62 100
 64 44.5 23.0 42.6

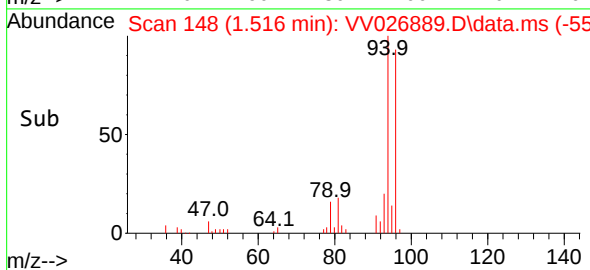
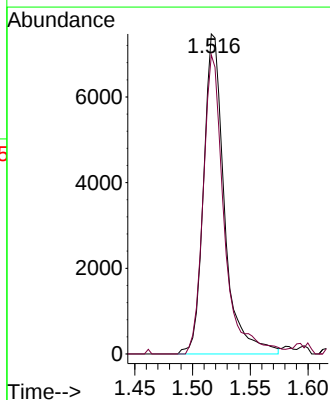
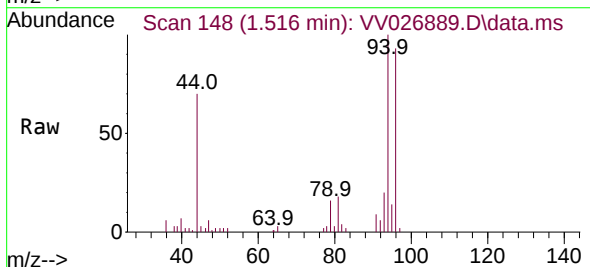
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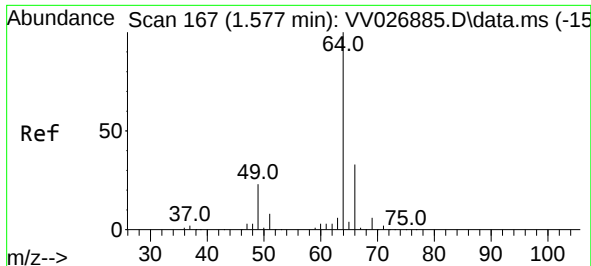
Reviewed By :Krupa Patel 07/23/2022
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#6
 Bromomethane
 Concen: 2.868 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VV026889.D
 Acq: 22 Jul 2022 15:57

Tgt Ion: 94 Resp: 9405
 Ion Ratio Lower Upper
 94 100
 96 93.4 65.8 122.2





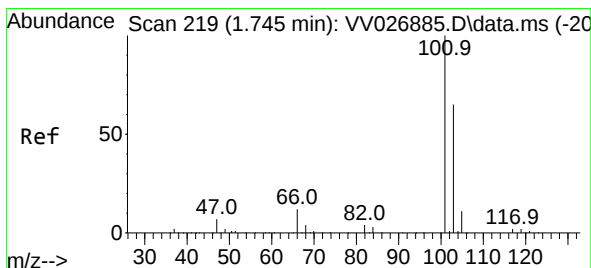
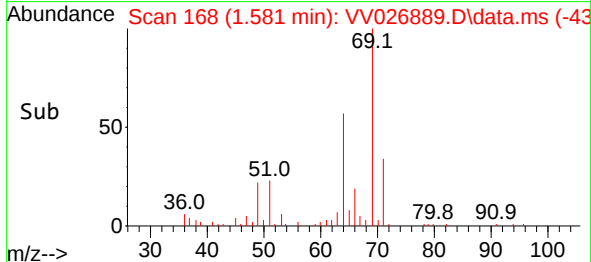
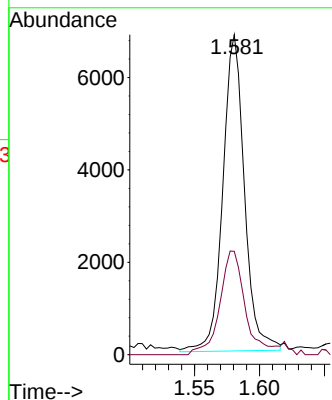
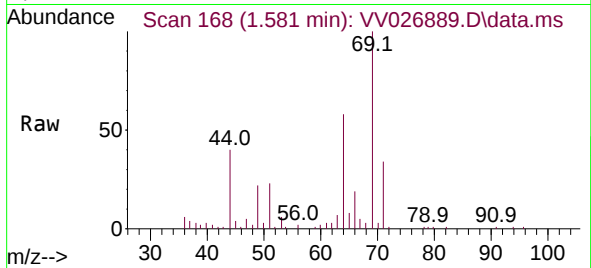
#8
Chloroethane
Concen: 2.482 ug/L
RT: 1.581 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

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

Tgt Ion: 64 Resp: 7914
Ion Ratio Lower Upper
64 100
66 32.3 23.2 43.0

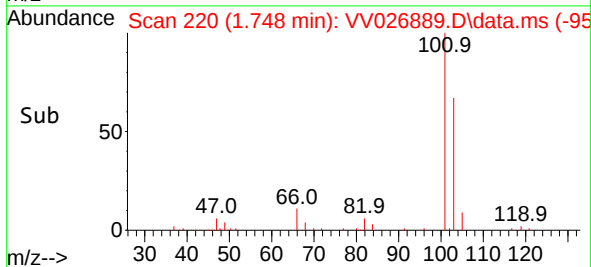
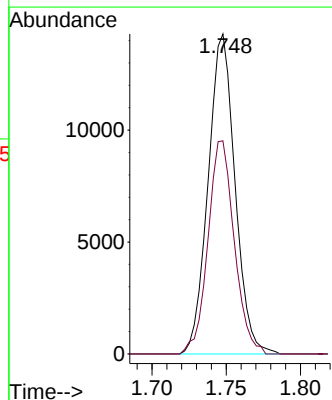
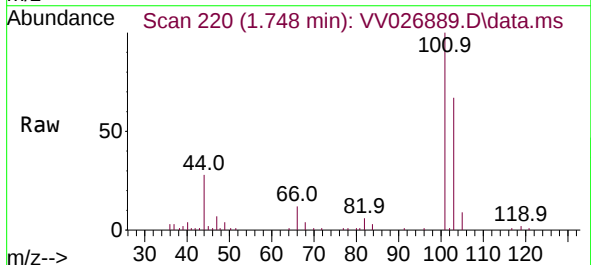
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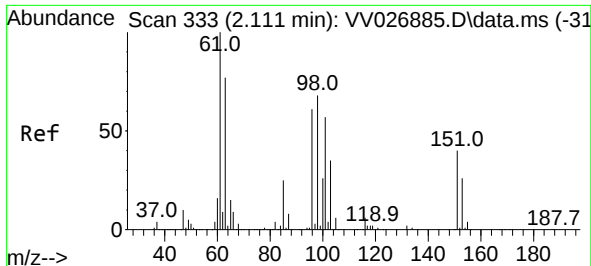
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022



#9
Trichlorofluoromethane
Concen: 2.410 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

Tgt Ion:101 Resp: 18022
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8





#10

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

Concen: 2.923 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

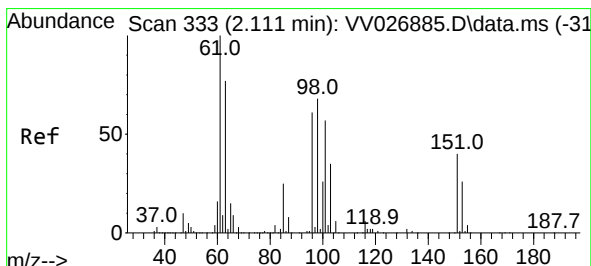
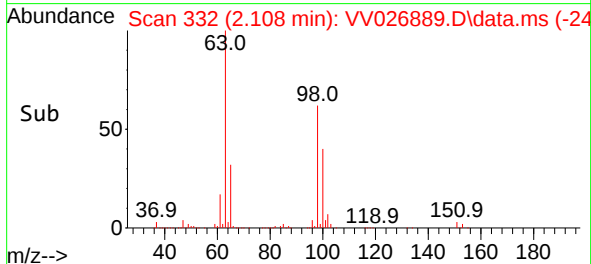
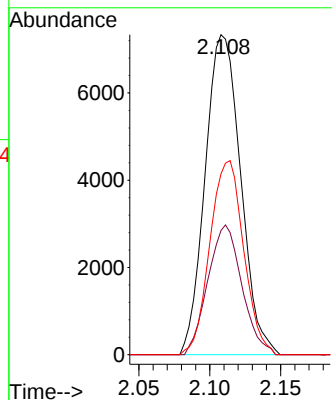
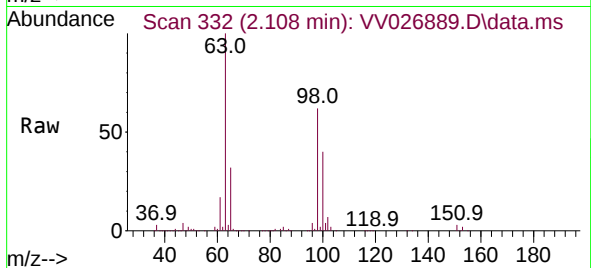
MDL-MED-SOIL-QT2-2022-03

Tgt Ion:	101	Resp:	12784
Ion Ratio	Lower	Upper	
101	100		
85	38.8	33.1	49.7
151	57.6	57.1	85.7

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#12

1,1-Dichloroethene

Concen: 3.020 ug/L

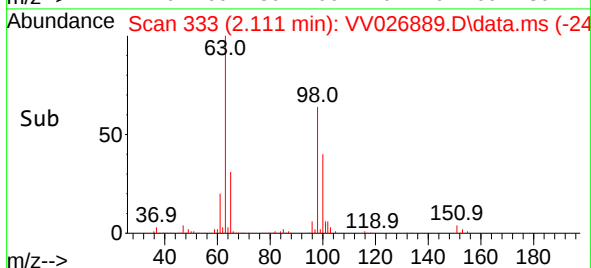
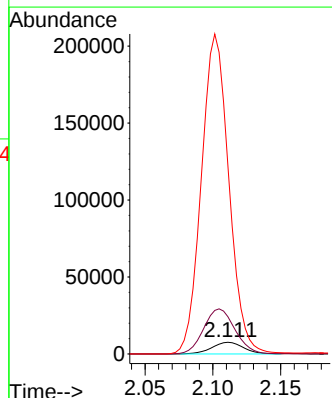
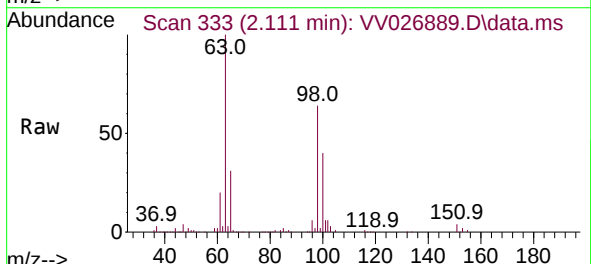
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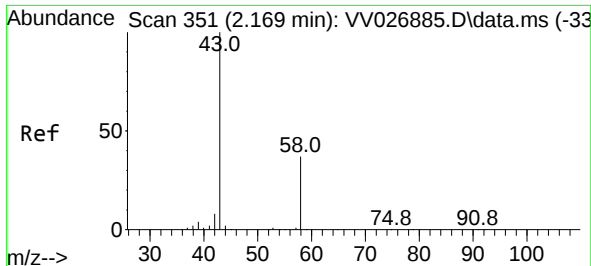
Delta R.T. -0.000 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Tgt Ion:	96	Resp:	12341
Ion Ratio	Lower	Upper	
96	100		
61	318.5	114.2	212.0#
63	1614.4	87.0	161.6#





#13

Acetone

Concen: 6.271 ug/L

RT: 2.175 min Scan# 351

Delta R.T. 0.006 min

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MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 43 Resp: 1315

Ion Ratio Lower Upper

43 100

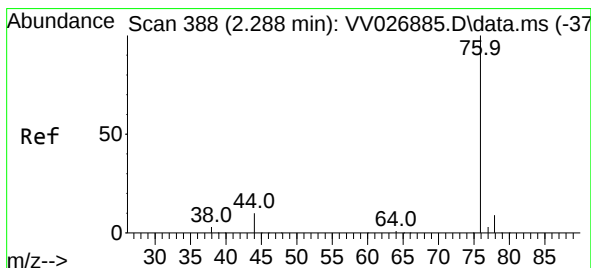
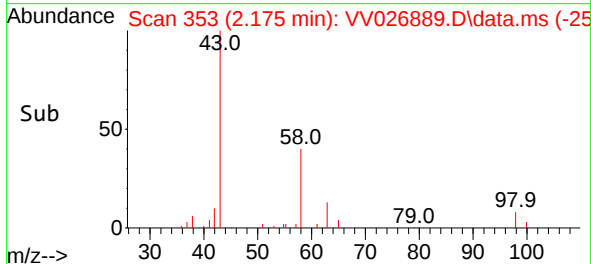
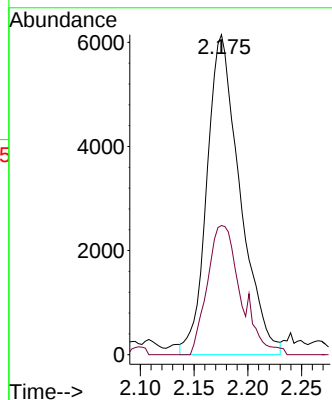
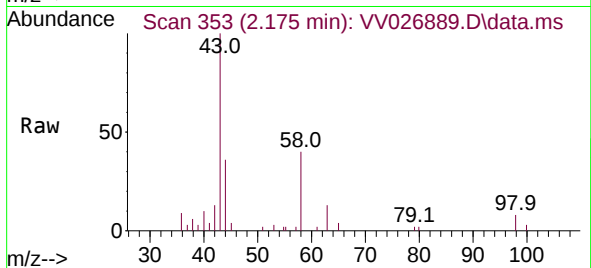
58 35.6 0.0 72.6

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#14

Carbon disulfide

Concen: 2.477 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV026889.D

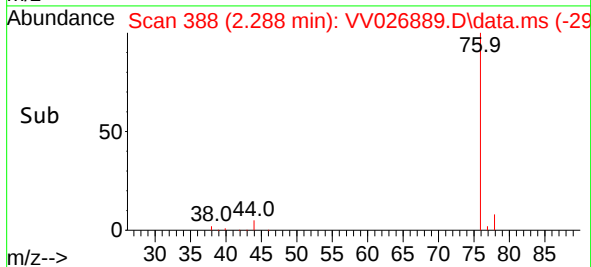
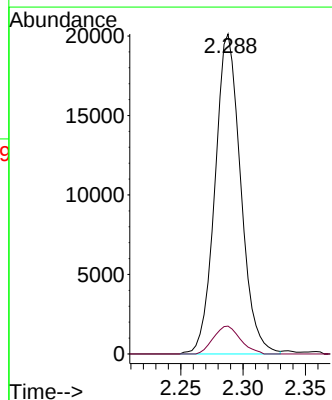
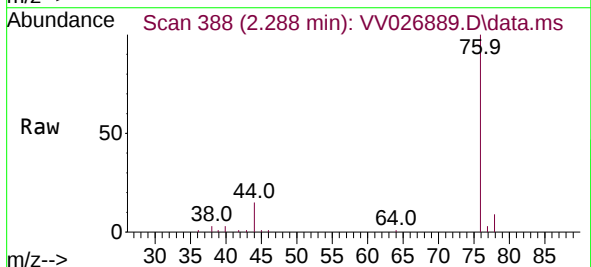
Acq: 22 Jul 2022 15:57

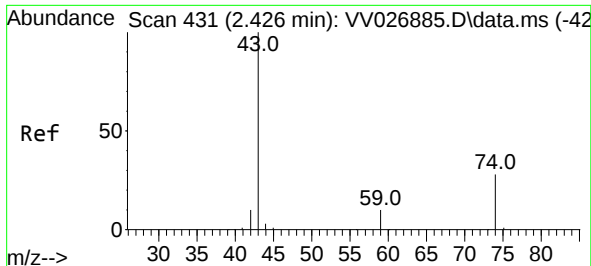
Tgt Ion: 76 Resp: 28880

Ion Ratio Lower Upper

76 100

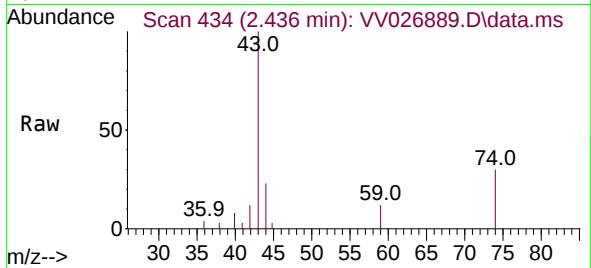
78 8.7 7.4 11.2





#15
Methyl Acetate
Concen: 2.468 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

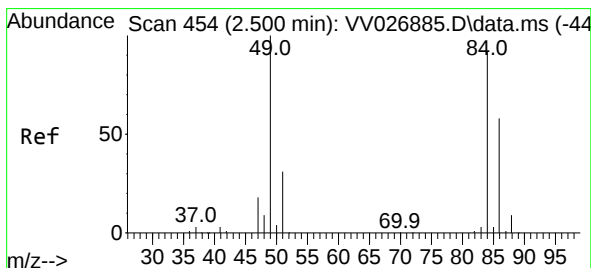
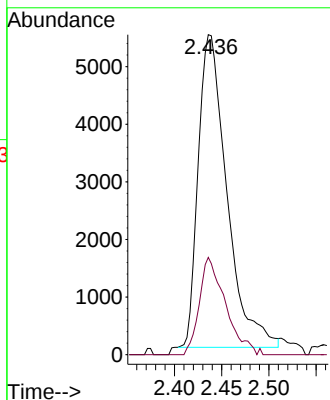
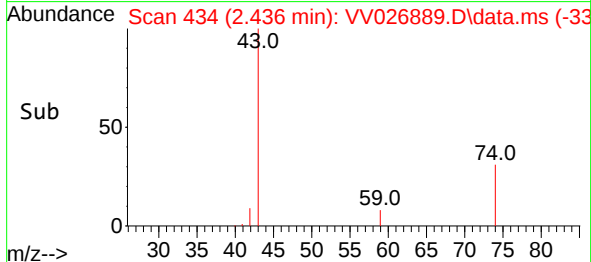
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 43 Resp: 11420
Ion Ratio Lower Upper
43 100
74 26.9 22.1 33.1

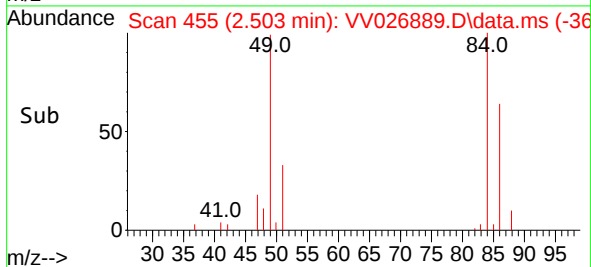
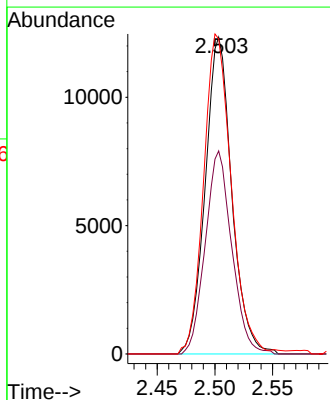
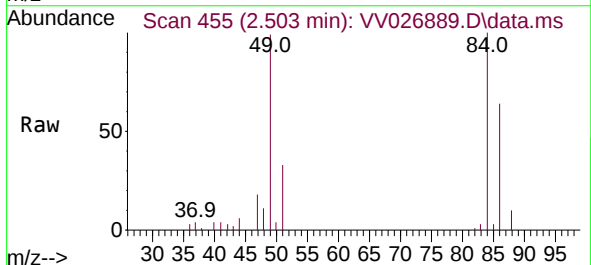
Manual Integrations
APPROVED

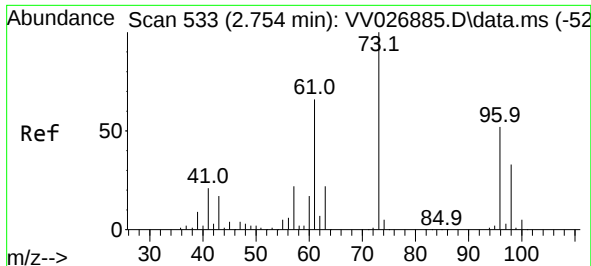
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022



#16
Methylene chloride
Concen: 3.795 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

Tgt Ion: 84 Resp: 19763
Ion Ratio Lower Upper
84 100
86 64.1 44.5 82.7
49 99.4 75.0 139.2





#17

trans-1,2-Dichloroethene

Concen: 2.399 ug/L

RT: 2.757 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 96 Resp: 1035

Ion Ratio Lower Upper

96 100

61 120.9 89.2 165.6

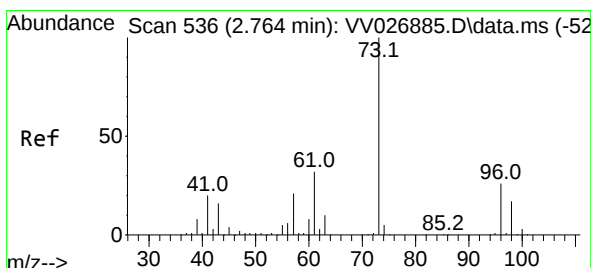
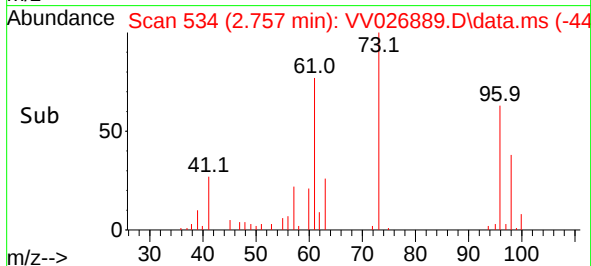
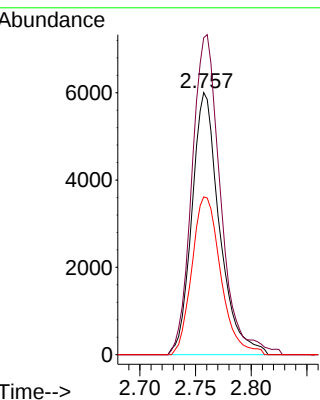
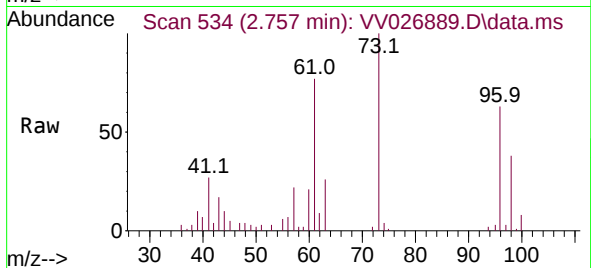
98 60.2 44.7 82.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#18

Methyl tert-butyl Ether

Concen: 2.297 ug/L

RT: 2.770 min Scan# 538

Delta R.T. 0.006 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

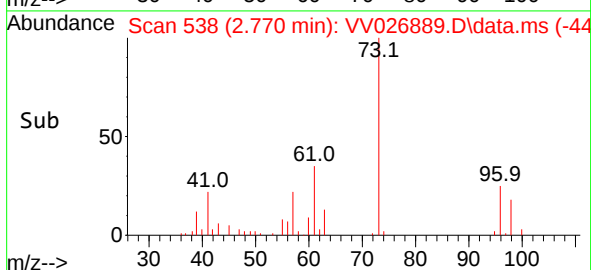
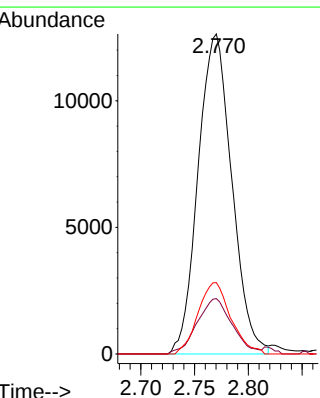
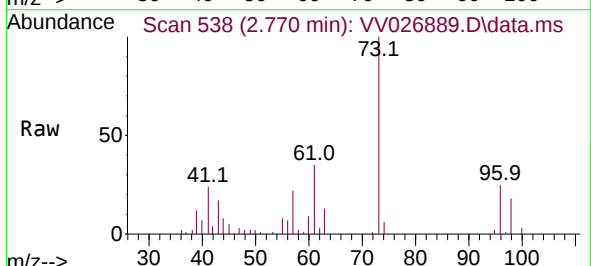
Tgt Ion: 73 Resp: 27550

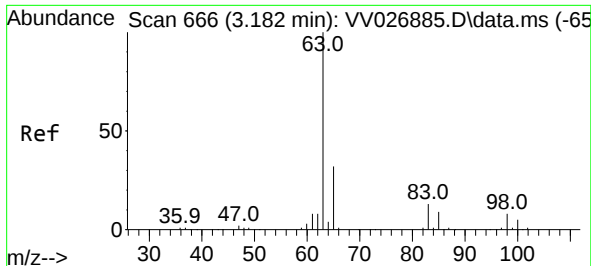
Ion Ratio Lower Upper

73 100

43 17.9 12.8 19.2

57 21.7 17.3 25.9





#19

1,1-Dichloroethane

Concen: 2.495 ug/L

RT: 3.185 min Scan# 60

Delta R.T. 0.003 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

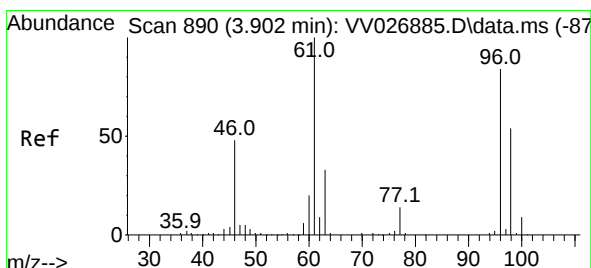
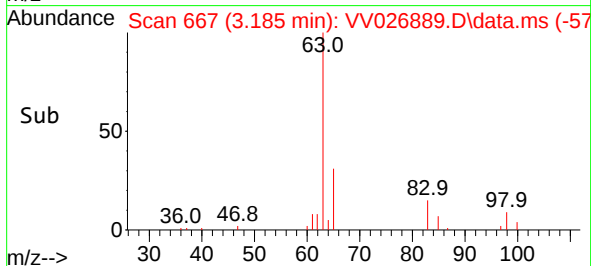
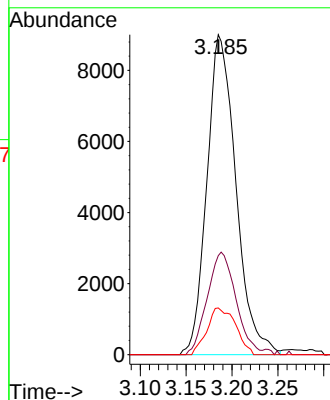
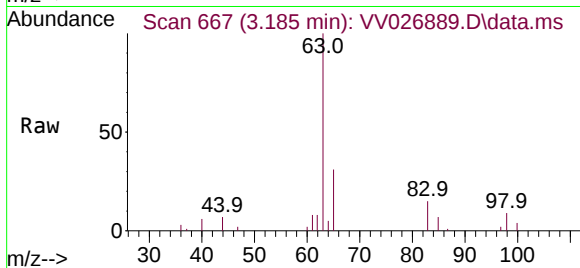
Tgt Ion: 63	Resp: 1983
Ion Ratio	Lower Upper
63 100	
65 31.0	22.6 42.0
83 14.6	9.4 17.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#20

cis-1,2-Dichloroethene

Concen: 2.480 ug/L

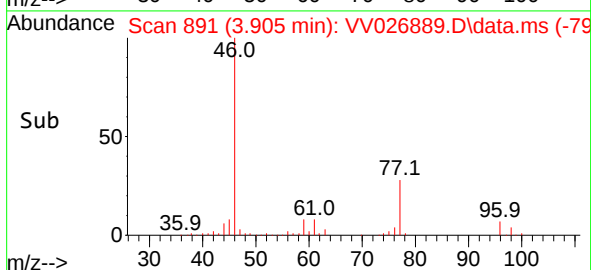
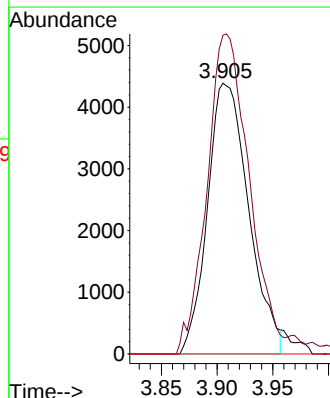
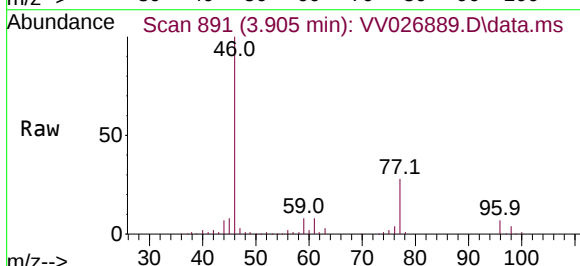
RT: 3.905 min Scan# 891

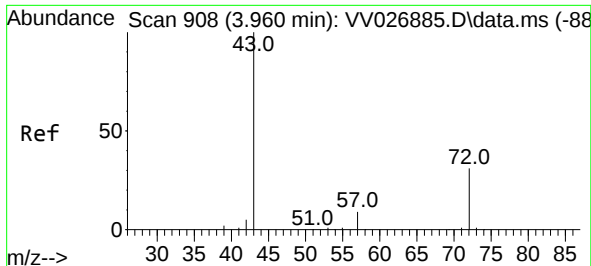
Delta R.T. 0.003 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

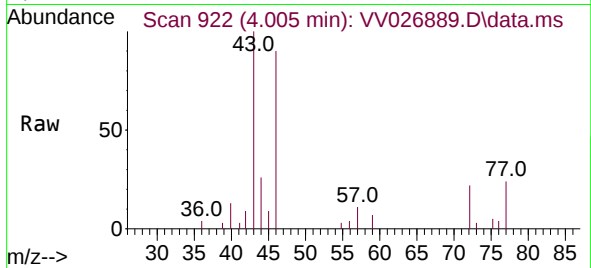
Tgt Ion: 96	Resp: 11286
Ion Ratio	Lower Upper
96 100	
61 117.7	83.0 154.1
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 5.938 ug/L m
RT: 4.005 min Scan# 91
Delta R.T. 0.045 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

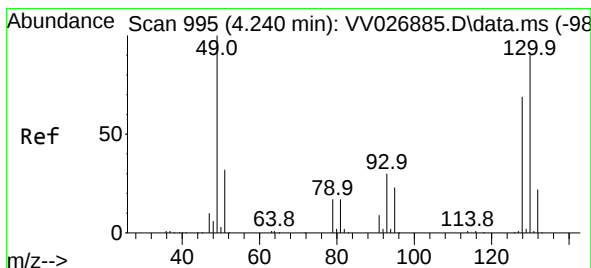
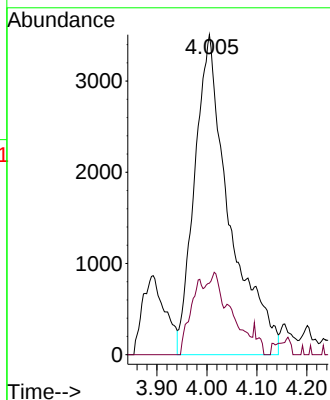
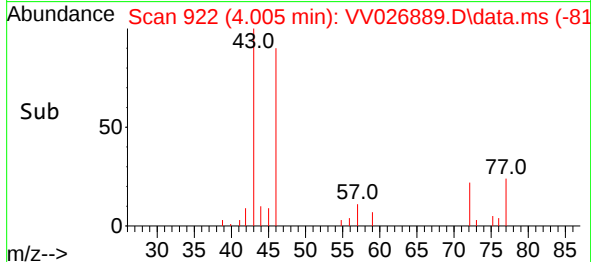
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
72 8.5 14.9 44.5

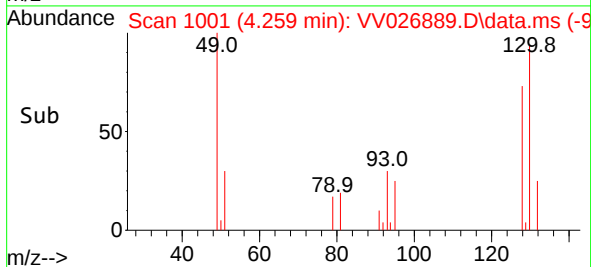
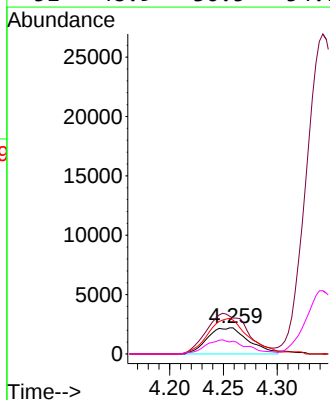
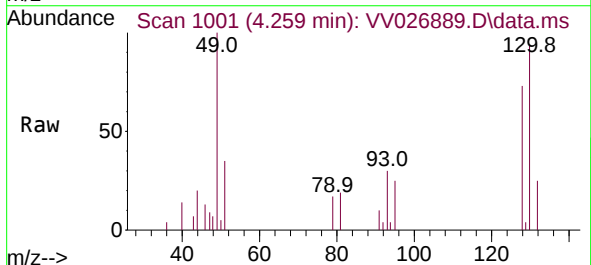
Manual Integrations
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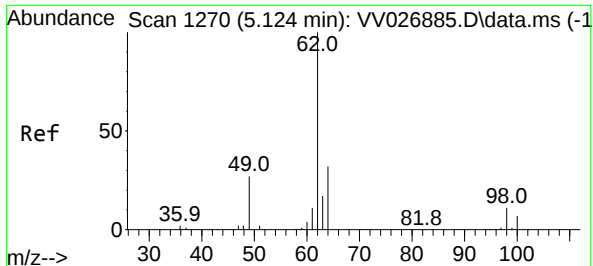
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022



#23
Bromochloromethane
Concen: 2.253 ug/L m
RT: 4.259 min Scan# 1001
Delta R.T. 0.019 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

Tgt Ion:128 Resp: 5871
Ion Ratio Lower Upper
128 100
49 137.8 101.0 187.6
130 129.2 90.0 167.2
51 48.9 36.5 54.7





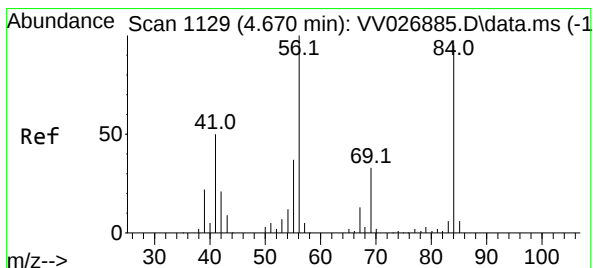
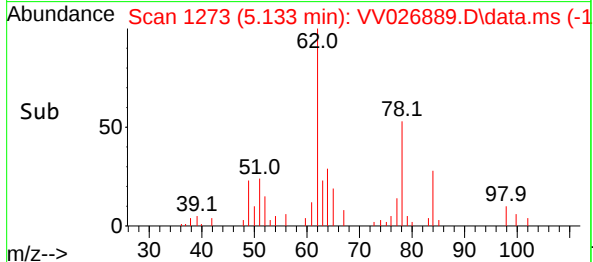
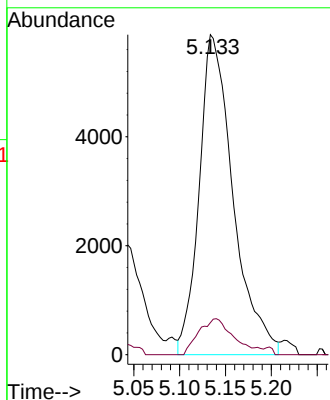
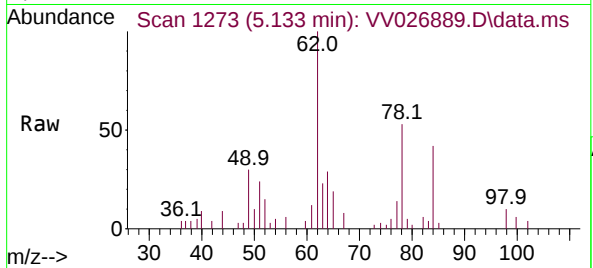
#27
1,2-Dichloroethane
Concen: 2.523 ug/L
RT: 5.133 min Scan# 1130
Delta R.T. 0.010 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

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

Tgt Ion: 62 Resp: 15090
Ion Ratio Lower Upper
62 100
98 10.0 8.9 13.3

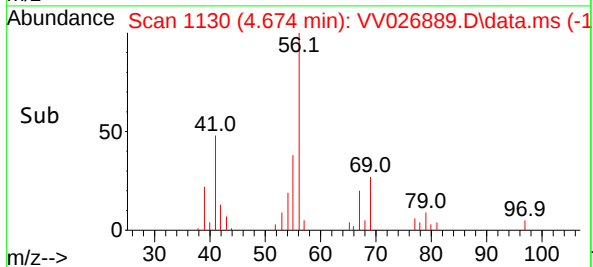
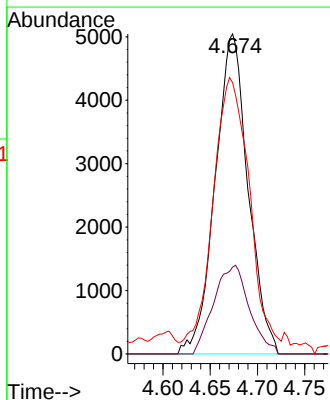
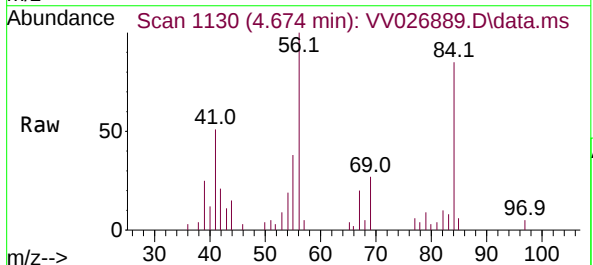
Manual Integrations
APPROVED

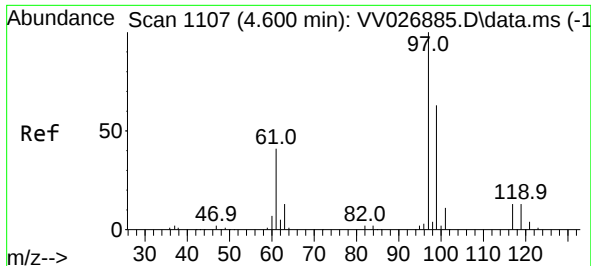
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022



#29
Cyclohexane
Concen: 2.172 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

Tgt Ion: 56 Resp: 12210
Ion Ratio Lower Upper
56 100
69 30.0 25.7 38.5
84 92.1 77.0 115.6





#30

1,1,1-Trichloroethane

Concen: 2.381 ug/L

RT: 4.606 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

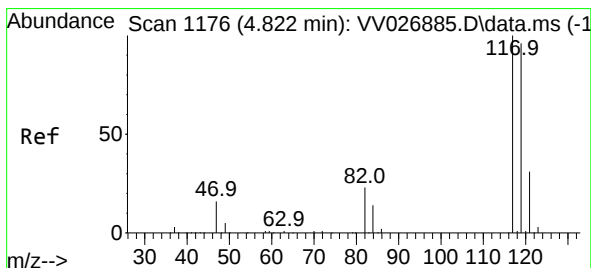
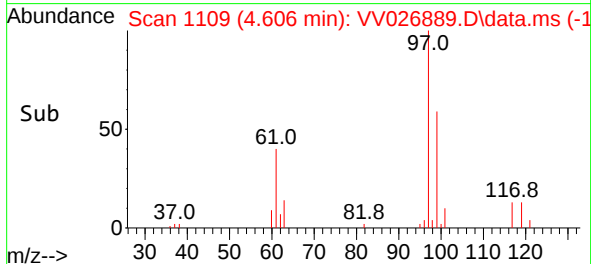
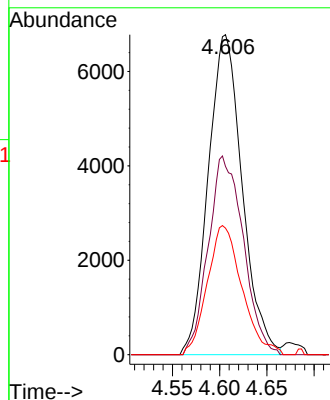
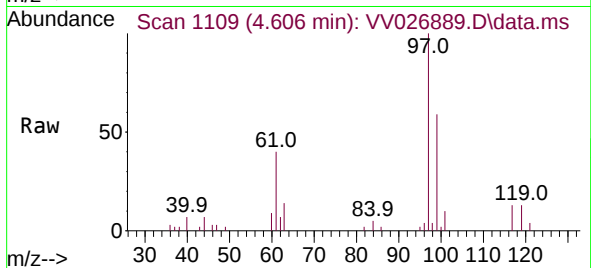
Tgt Ion: 97	Resp: 1691
Ion Ratio	Lower Upper
97 100	
99 64.2	51.0 76.6
61 41.2	33.1 49.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#31

Carbon tetrachloride

Concen: 2.336 ug/L

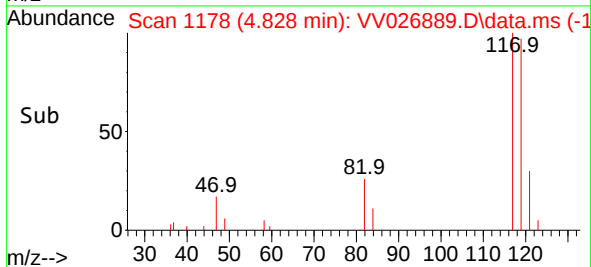
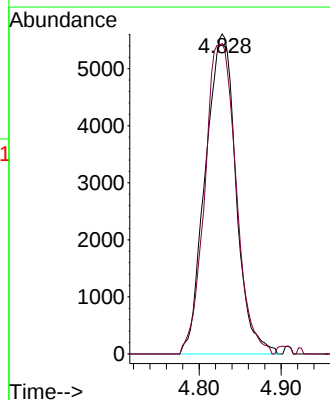
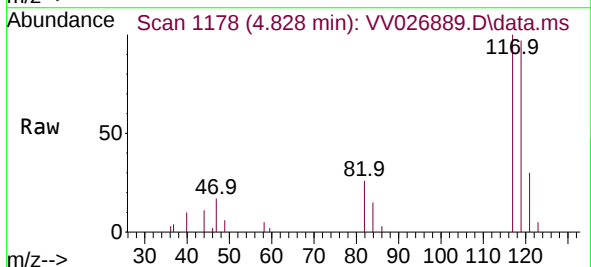
RT: 4.828 min Scan# 1178

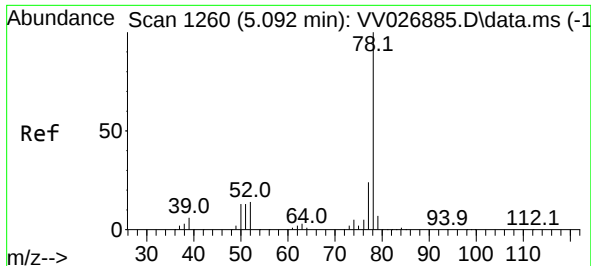
Delta R.T. 0.006 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Tgt Ion:117	Resp: 14529
Ion Ratio	Lower Upper
117 100	
119 98.9	77.3 115.9





#33

Benzene

Concen: 2.510 ug/L

RT: 5.098 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

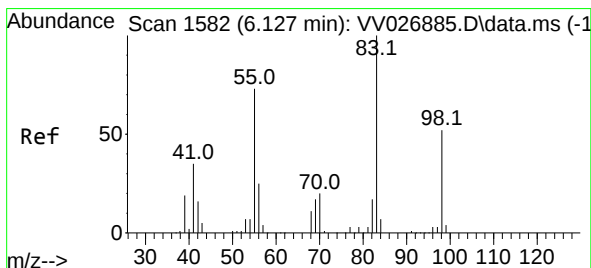
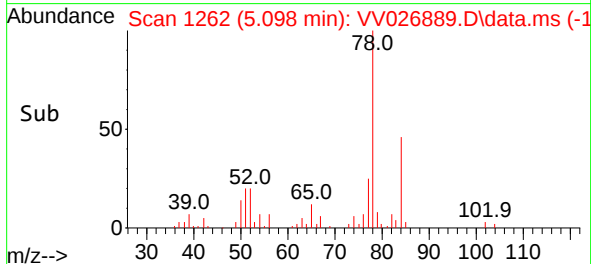
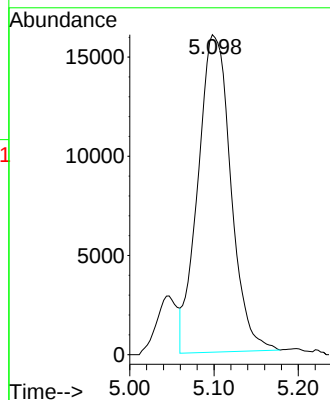
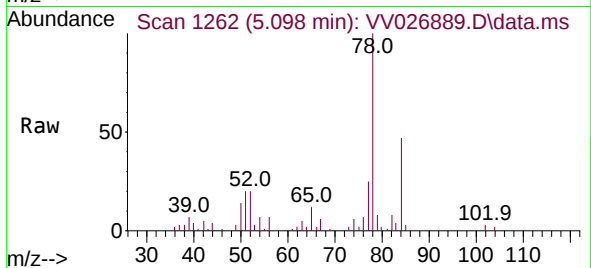
Tgt Ion: 78 Resp: 43394

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#35

Methylcyclohexane

Concen: 2.270 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

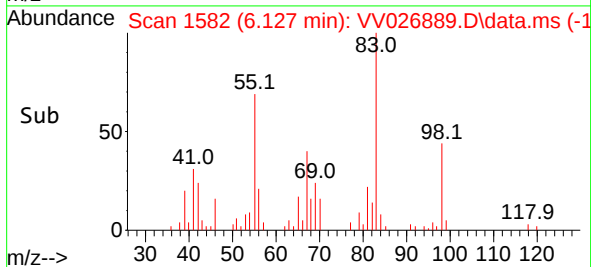
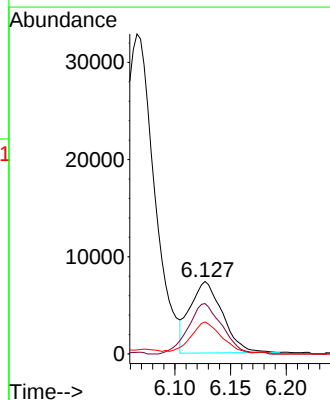
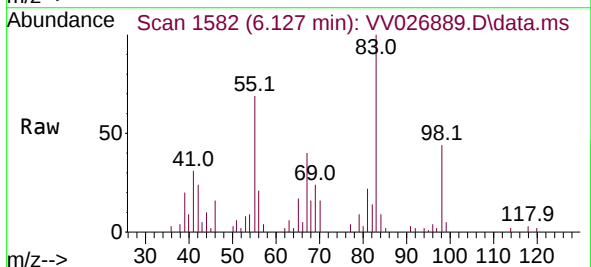
Tgt Ion: 83 Resp: 14936

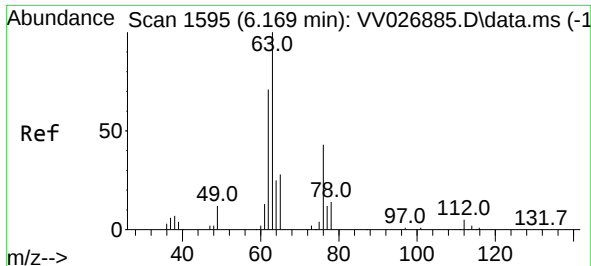
Ion Ratio Lower Upper

83 100

55 72.8 57.4 86.2

98 43.2 39.4 59.0





#37

1,2-Dichloropropane

Concen: 2.322 ug/L

RT: 6.178 min Scan# 1595

Delta R.T. 0.010 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 63 Resp: 1045

Ion Ratio Lower Upper

63 100

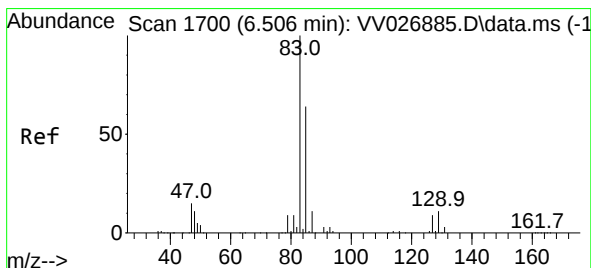
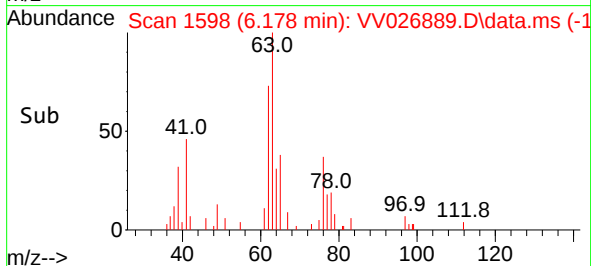
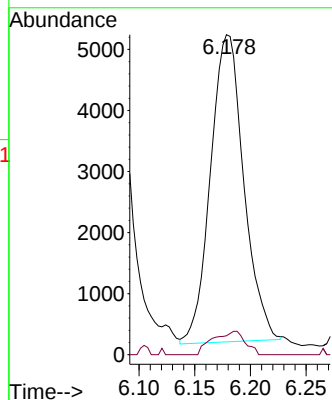
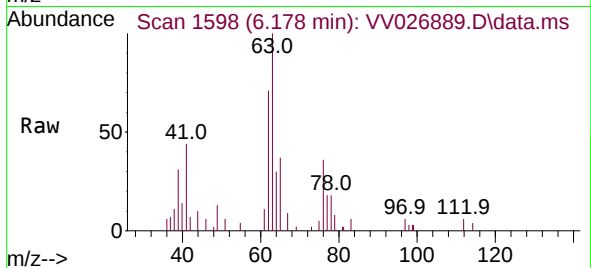
112 7.4 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#38

Bromodichloromethane

Concen: 2.366 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.010 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

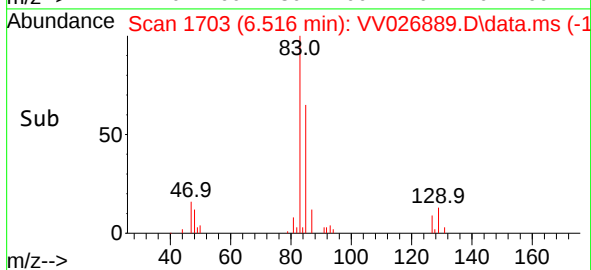
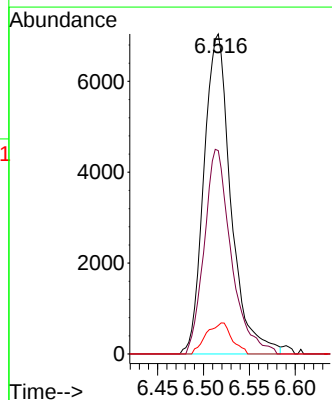
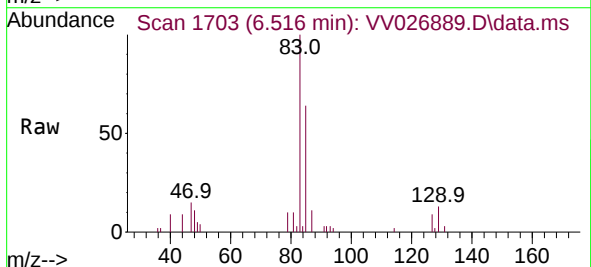
Tgt Ion: 83 Resp: 14432

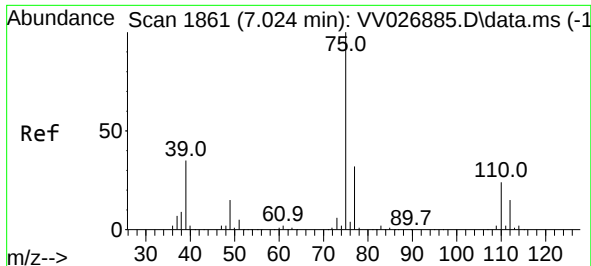
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

127 10.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 2.169 ug/L

RT: 7.034 min Scan# 1861

Delta R.T. 0.010 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

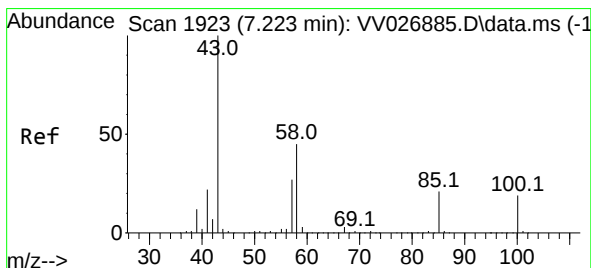
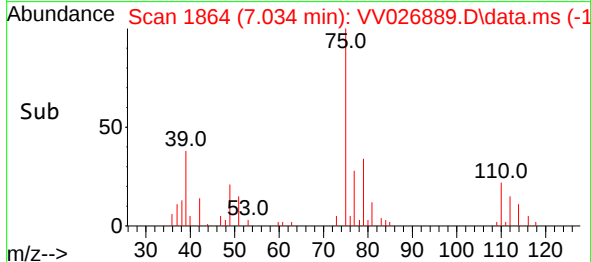
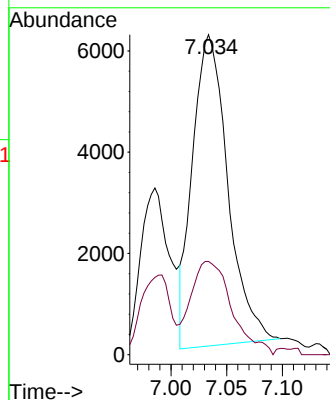
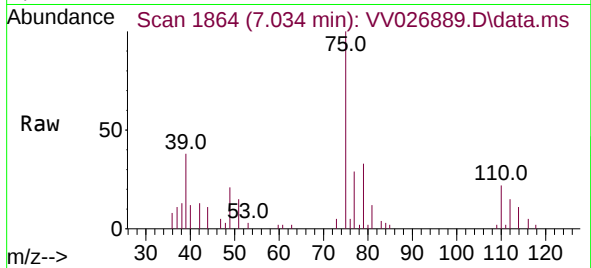
MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 75 Resp: 13549
 Ion Ratio Lower Upper
 75 100
 77 29.2 22.4 41.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022
 Supervised By :Semsettin Yesilyurt 07/24/2022



#40

4-Methyl-2-pentanone

Concen: 4.443 ug/L

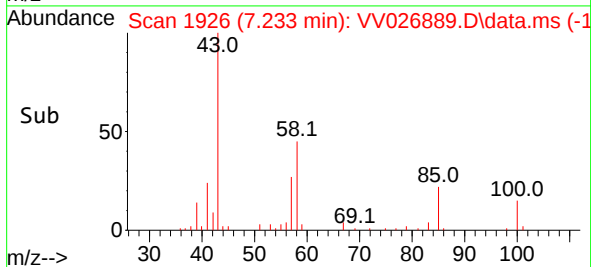
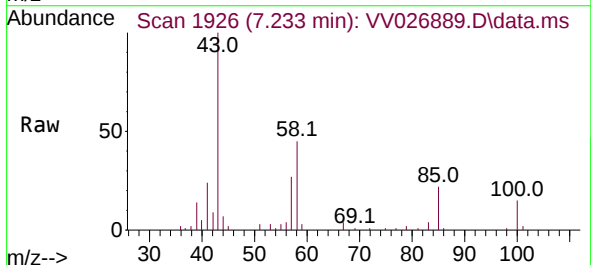
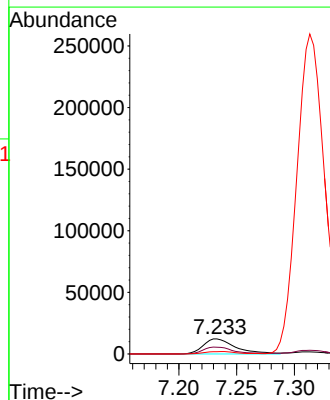
RT: 7.233 min Scan# 1926

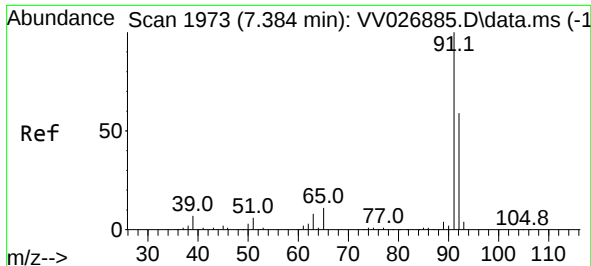
Delta R.T. 0.010 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Tgt Ion: 43 Resp: 23795
 Ion Ratio Lower Upper
 43 100
 58 44.1 35.0 52.6
 100 15.3 15.4 23.0#





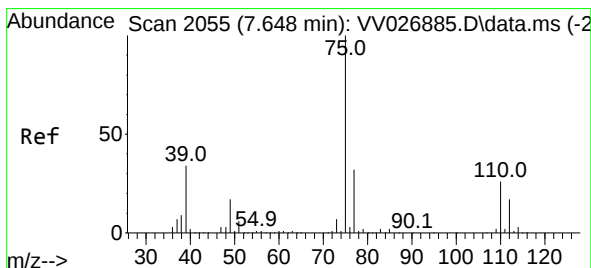
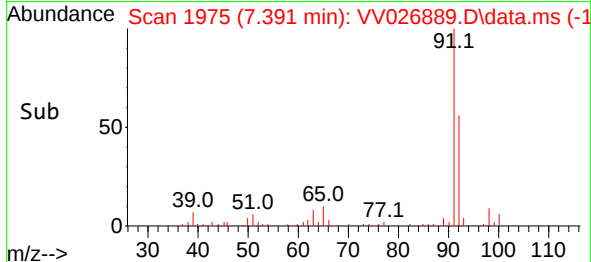
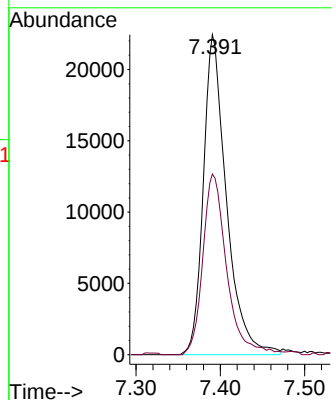
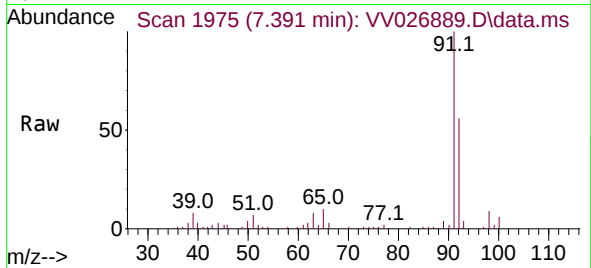
#42
Toluene
Concen: 2.427 ug/L
RT: 7.391 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

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

Tgt Ion: 91 Resp: 42840
Ion Ratio Lower Upper
91 100
92 56.5 40.5 75.1

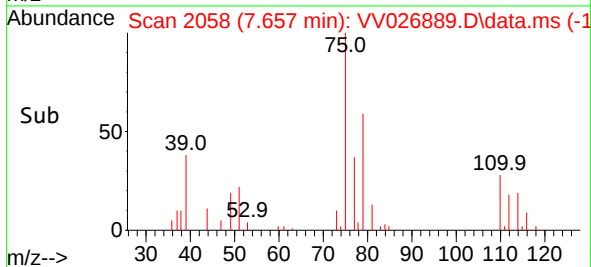
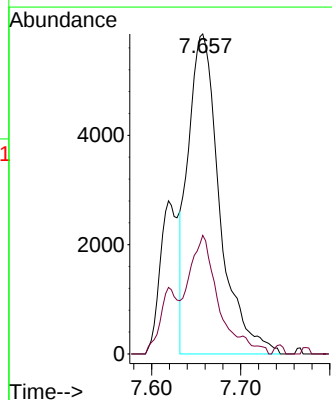
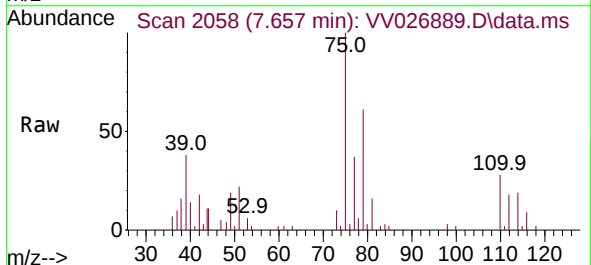
Manual Integrations
APPROVED

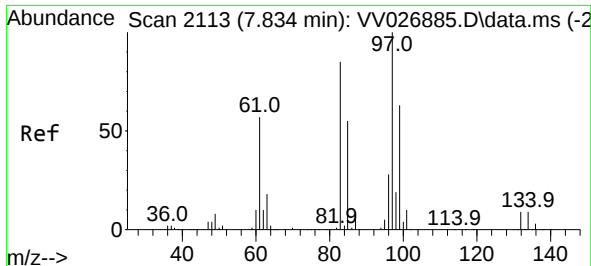
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022



#44
trans-1,3-Dichloropropene
Concen: 2.340 ug/L
RT: 7.657 min Scan# 2058
Delta R.T. 0.010 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

Tgt Ion: 75 Resp: 14413
Ion Ratio Lower Upper
75 100
77 37.1 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 2.540 ug/L

RT: 7.844 min Scan# 2116

Delta R.T. 0.010 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

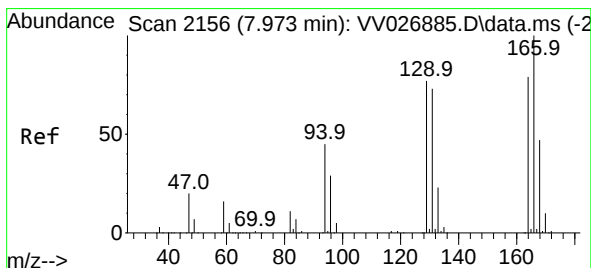
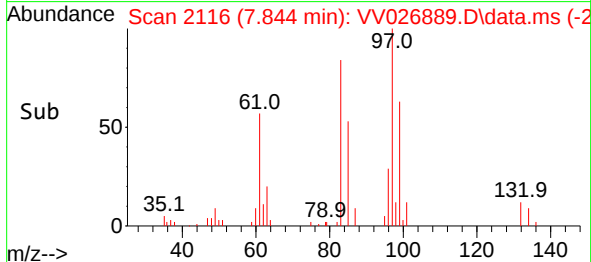
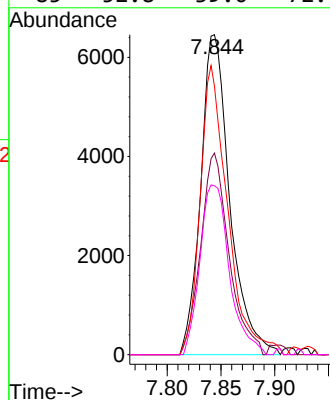
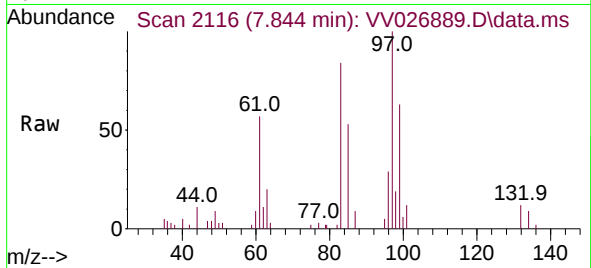
Tgt Ion:	97	Resp:	1217
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.0	81.8
83	84.0	59.9	111.3
85	52.8	39.0	72.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#46

Tetrachloroethene

Concen: 2.219 ug/L

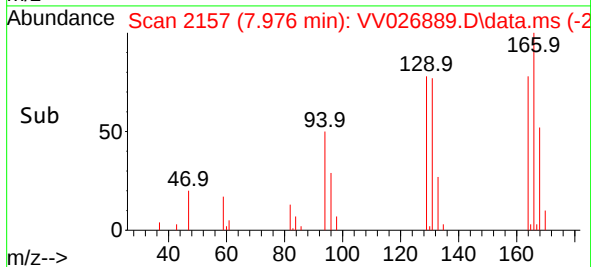
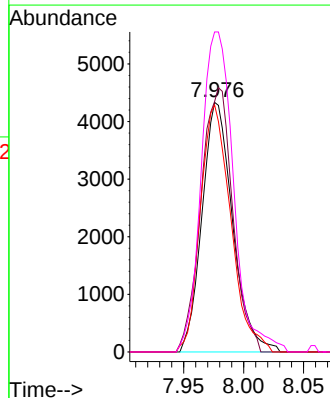
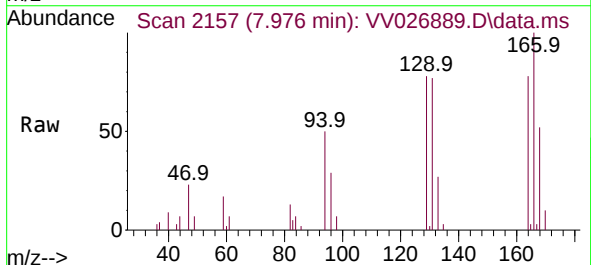
RT: 7.976 min Scan# 2157

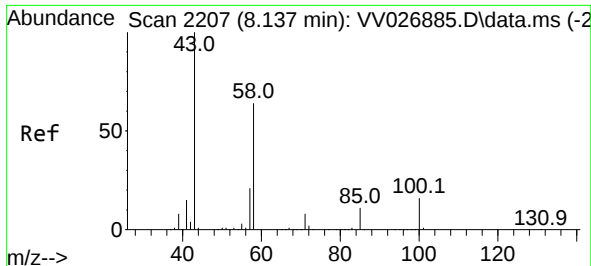
Delta R.T. 0.003 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Tgt Ion:	164	Resp:	7690
Ion	Ratio	Lower	Upper
164	100		
129	100.3	66.3	123.1
131	98.9	63.1	117.3
166	128.2	86.2	160.2





#48

2-Hexanone

Concen: 6.184 ug/L

RT: 8.146 min Scan# 2110

Delta R.T. 0.010 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

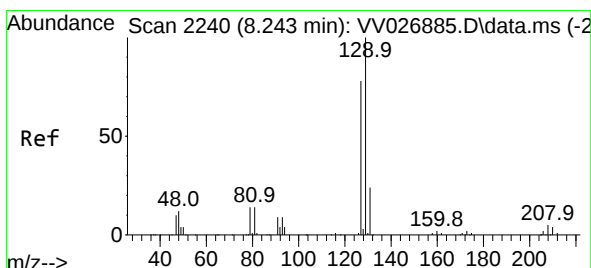
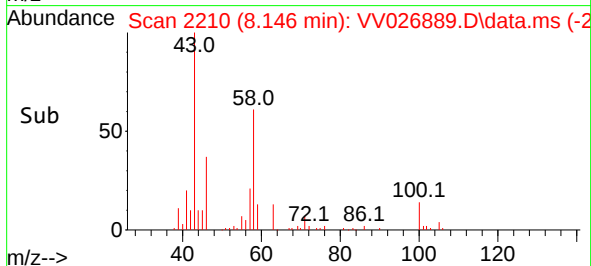
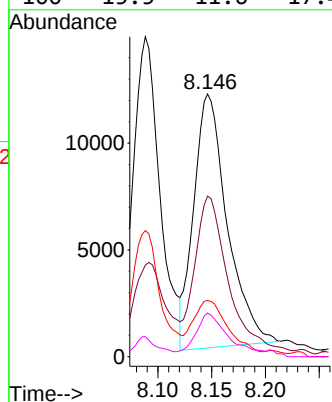
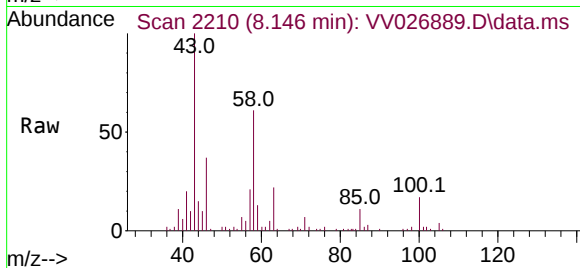
Tgt Ion: 43	Resp: 2577
Ion Ratio	Lower Upper
43 100	
58 63.5	48.8 73.2
57 23.9	16.6 24.8
100 15.5	11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#49

Dibromochloromethane

Concen: 2.328 ug/L

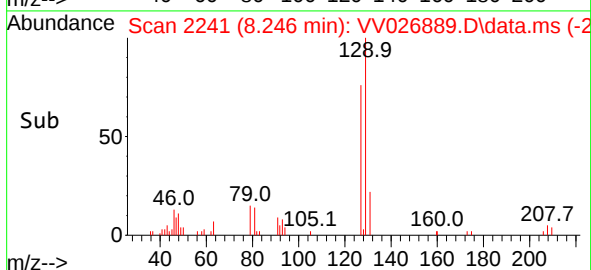
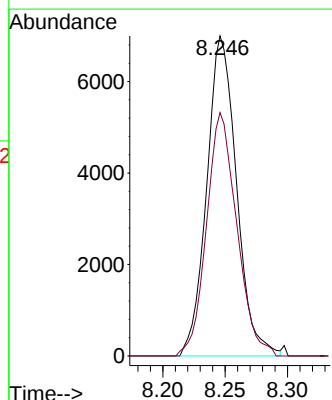
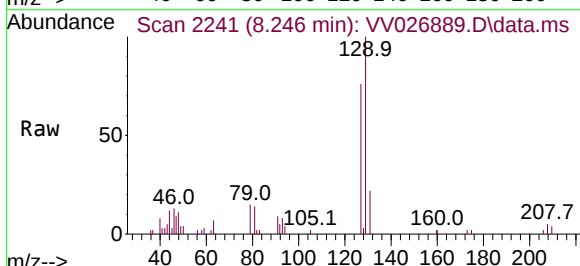
RT: 8.246 min Scan# 2241

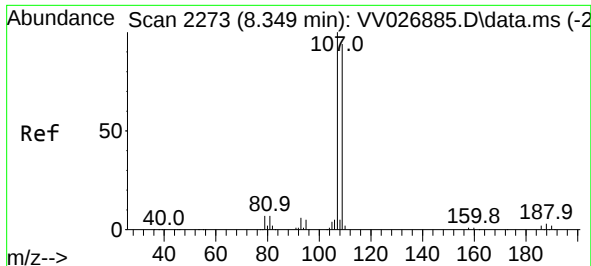
Delta R.T. 0.003 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Tgt Ion:129	Resp: 11660
Ion Ratio	Lower Upper
129 100	
127 76.0	53.7 99.7





#50

1,2-Dibromoethane

Concen: 2.451 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

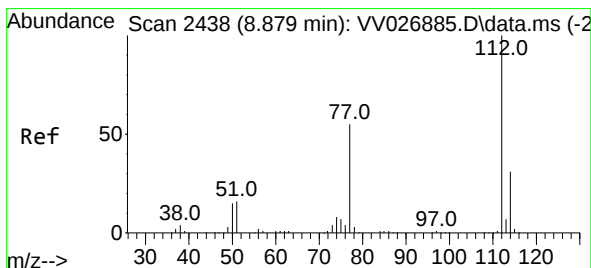
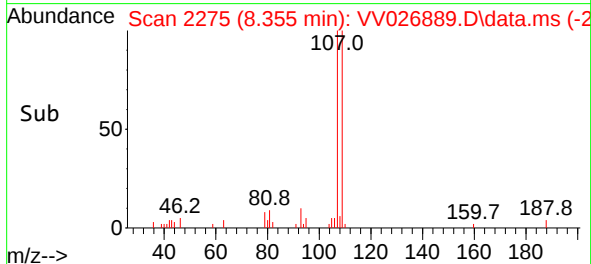
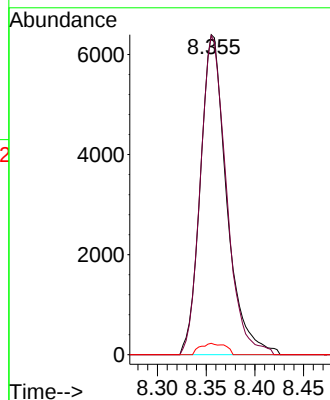
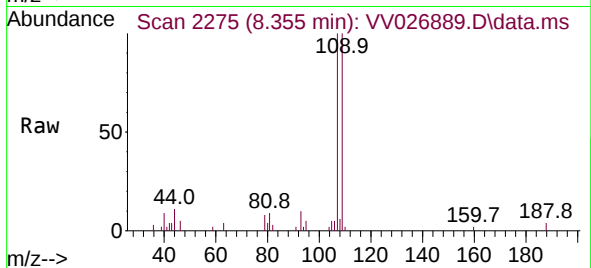
Tgt Ion:107	Resp:	12019
Ion Ratio	Lower	Upper
107	100	
109	99.7	64.9 120.5
188	3.5	2.6 3.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#51

Chlorobenzene

Concen: 2.371 ug/L

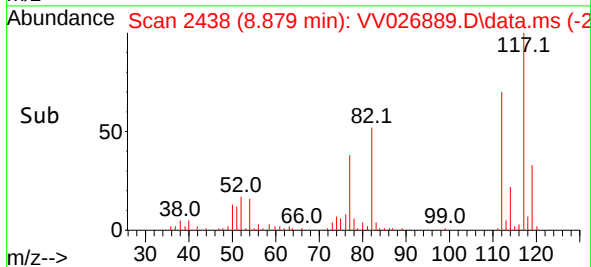
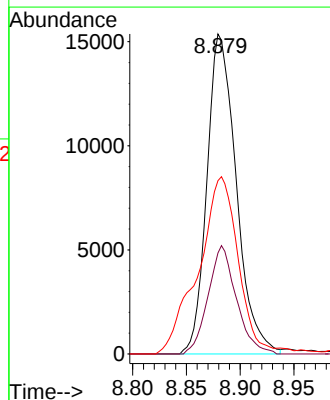
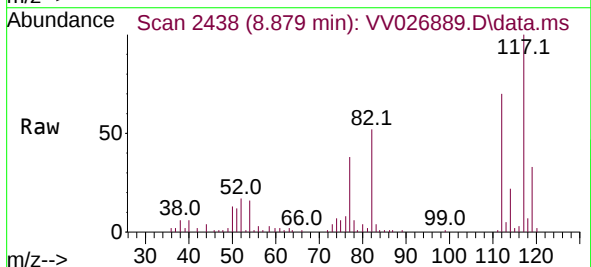
RT: 8.879 min Scan# 2438

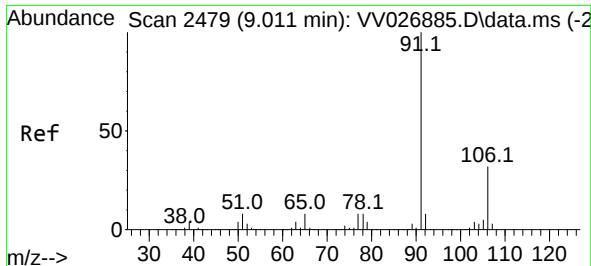
Delta R.T. -0.000 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Tgt Ion:112	Resp:	29167
Ion Ratio	Lower	Upper
112	100	
114	31.5	22.7 42.1
77	54.2	44.4 66.6





#52

Ethylbenzene

Concen: 2.041 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

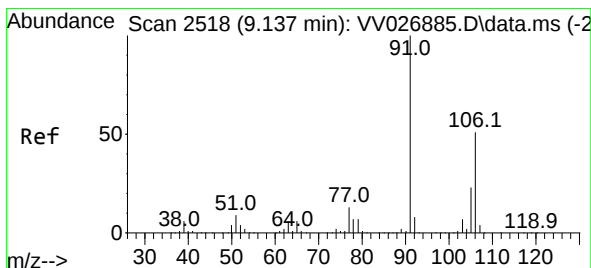
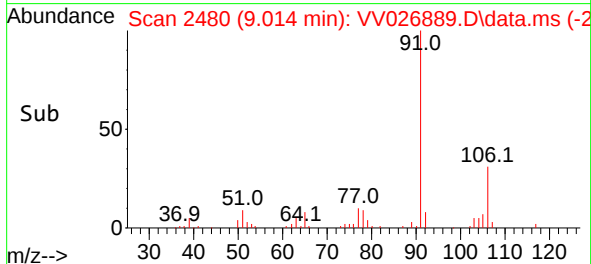
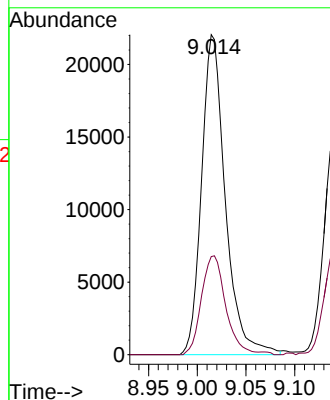
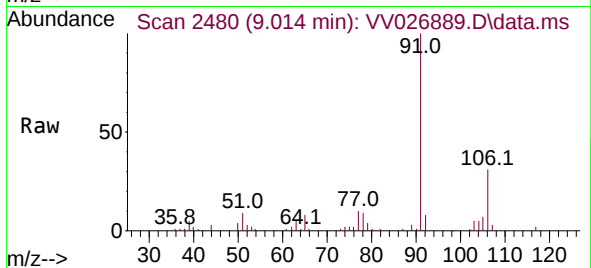
MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 91 Resp: 37395
 Ion Ratio Lower Upper
 91 100
 106 30.6 22.0 40.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022
 Supervised By :Semsettin Yesilyurt 07/24/2022



#53

m,p-Xylene

Concen: 1.786 ug/L

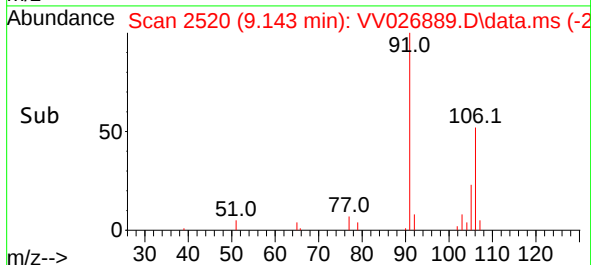
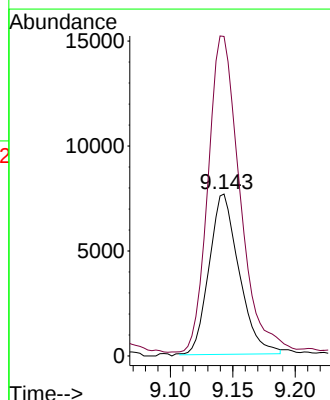
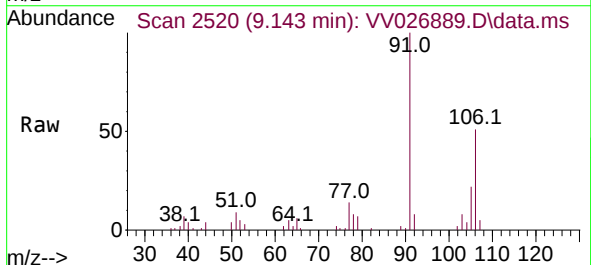
RT: 9.143 min Scan# 2520

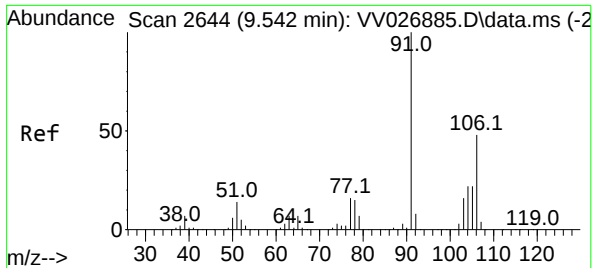
Delta R.T. 0.006 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Tgt Ion:106 Resp: 12810
 Ion Ratio Lower Upper
 106 100
 91 197.3 140.0 260.0





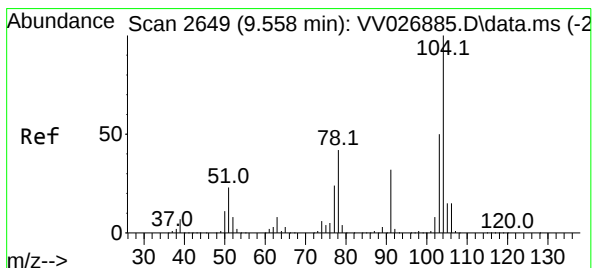
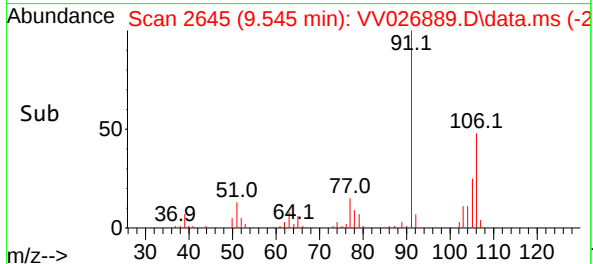
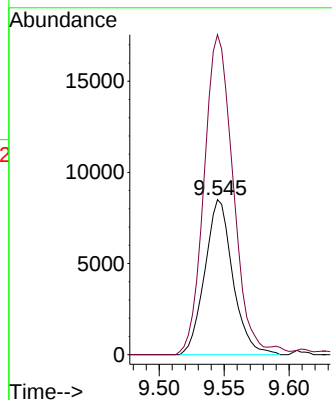
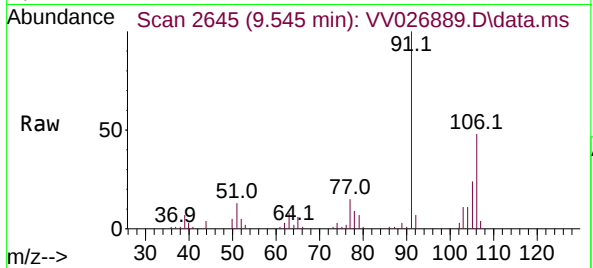
#54
o-Xylene
Concen: 1.843 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

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

Tgt Ion:106 Resp: 12730
Ion Ratio Lower Upper
106 100
91 206.3 146.1 271.3

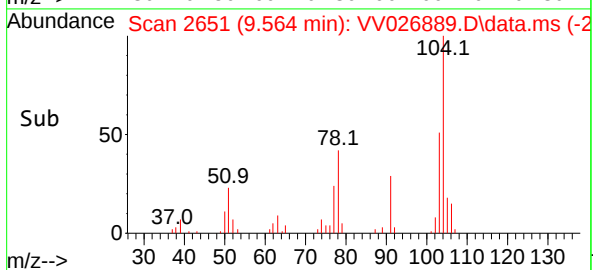
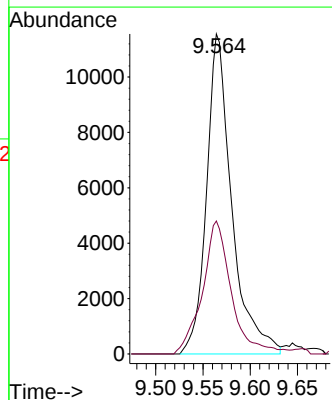
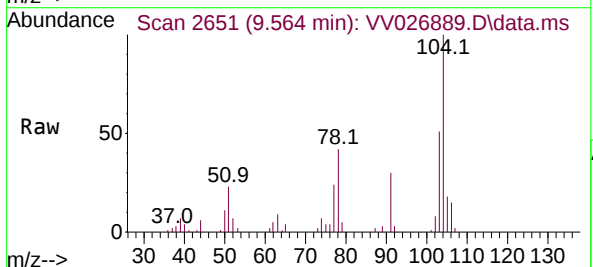
Manual Integrations
APPROVED

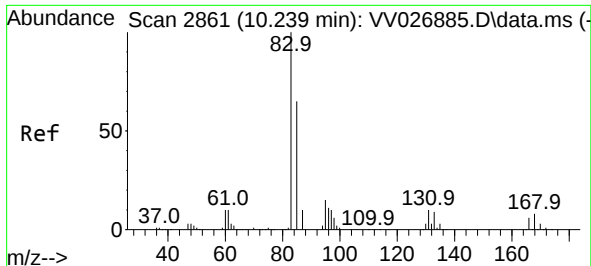
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022



#55
Styrene
Concen: 1.759 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.006 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

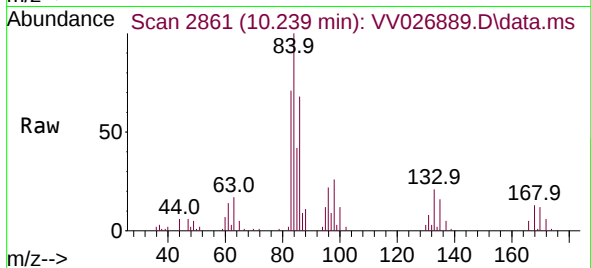
Tgt Ion:104 Resp: 21457
Ion Ratio Lower Upper
104 100
78 41.5 29.6 55.0





#57
1,1,2,2-Tetrachloroethane
Concen: 2.917 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

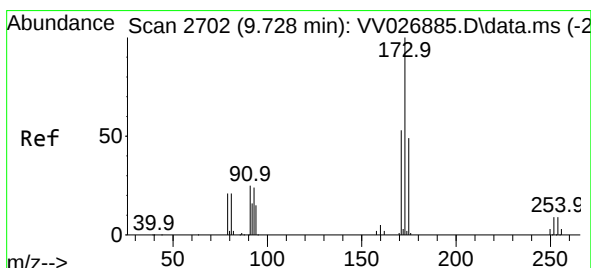
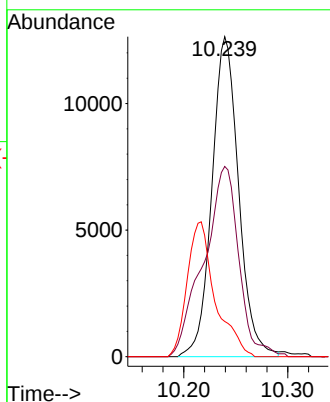
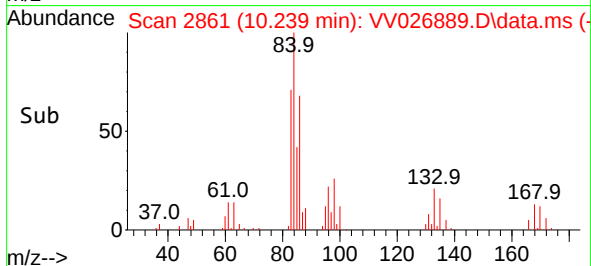
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



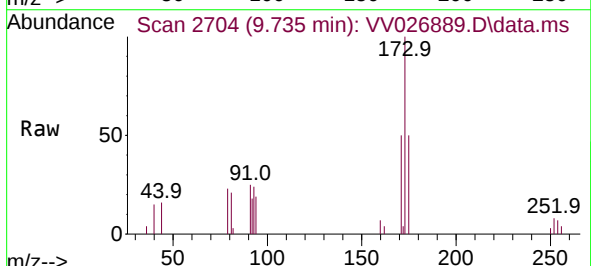
Tgt Ion: 83 Resp: 2257
Ion Ratio Lower Upper
83 100
85 59.4 45.3 84.1
131 11.0 7.8 11.6

Manual Integrations
APPROVED

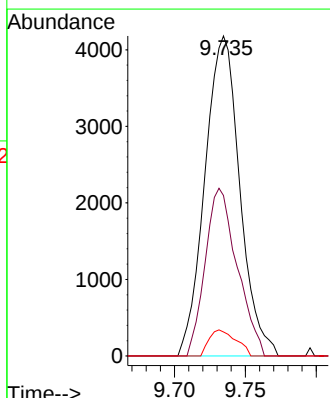
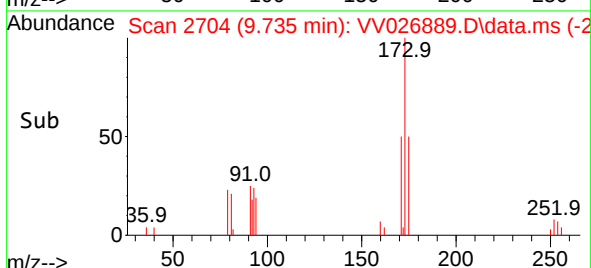
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022

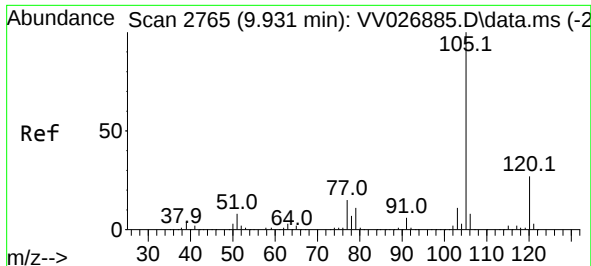


#59
Bromoform
Concen: 2.692 ug/L
RT: 9.735 min Scan# 2704
Delta R.T. 0.006 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57



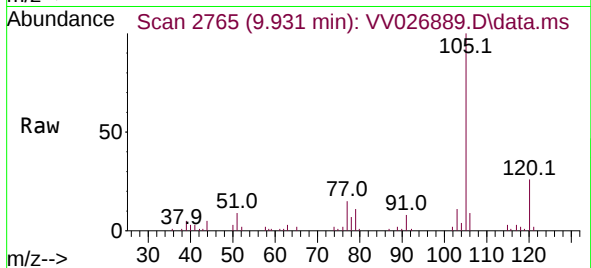
Tgt Ion:173 Resp: 7167
Ion Ratio Lower Upper
173 100
175 47.9 38.6 57.8
254 6.3 6.6 10.0#





#60
Isopropylbenzene
Concen: 2.251 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

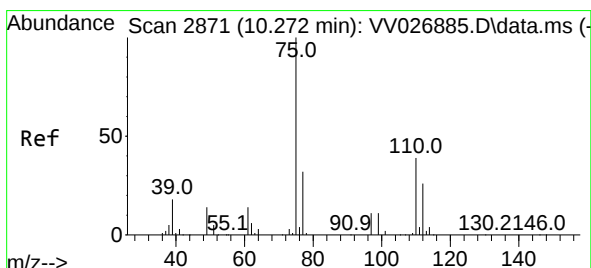
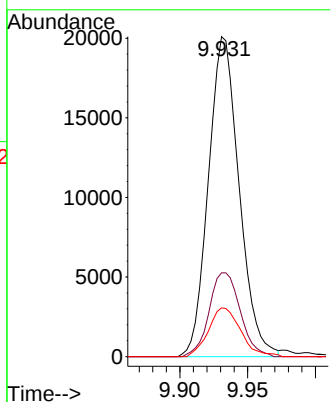
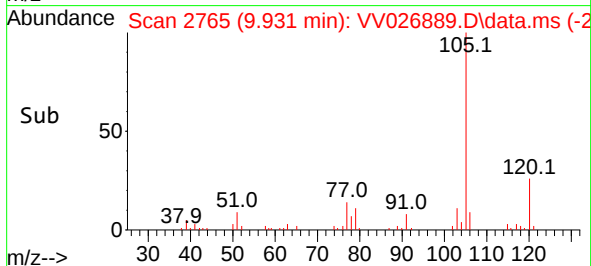
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



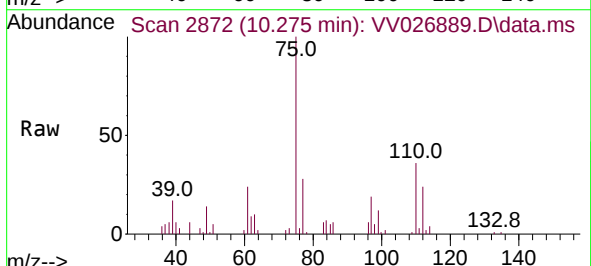
Tgt Ion:105 Resp: 3169
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 16.0 11.9 17.9

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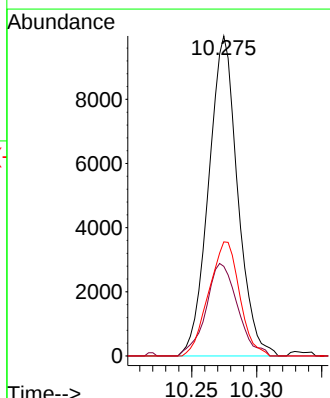
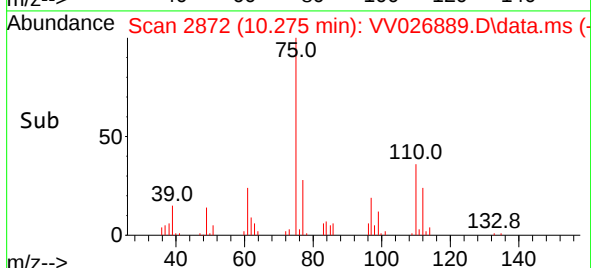
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022

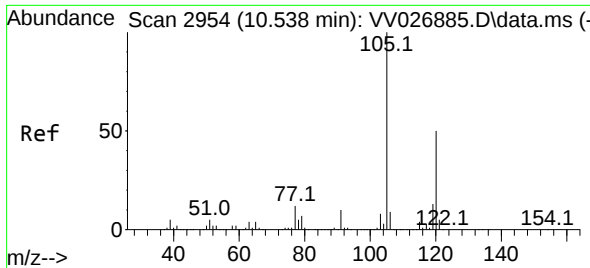


#61
1,2,3-Trichloropropane
Concen: 3.241 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57



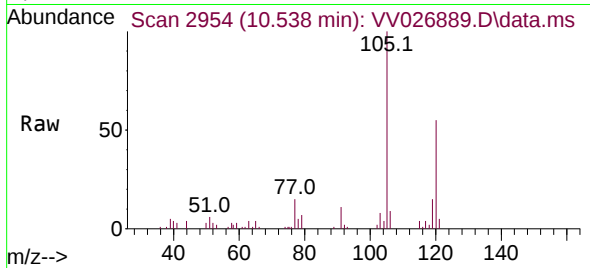
Tgt Ion: 75 Resp: 15495
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4
110 37.8 31.7 47.5





#62
1,3,5-Trimethylbenzene
Concen: 2.145 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

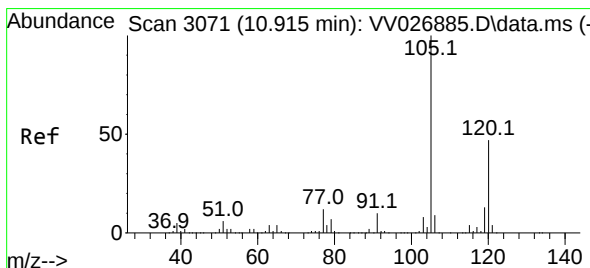
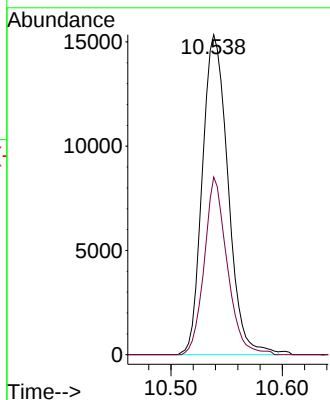
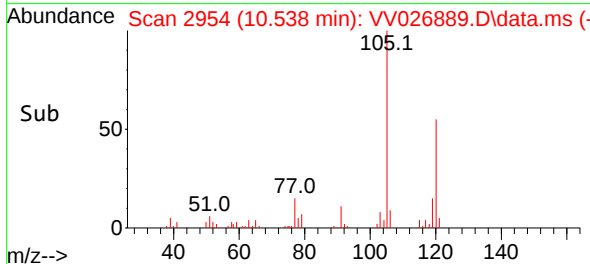
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2022-03



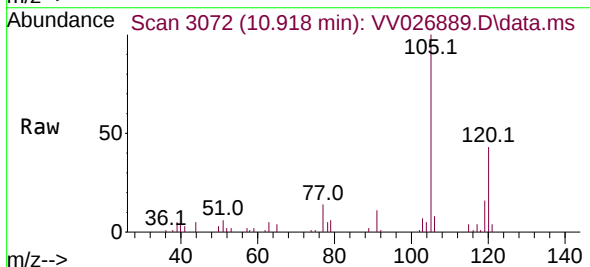
Tgt Ion:105 Resp: 24550
Ion Ratio Lower Upper
105 100
120 49.4 39.8 59.6

Manual Integrations
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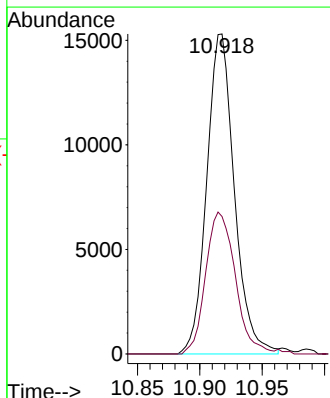
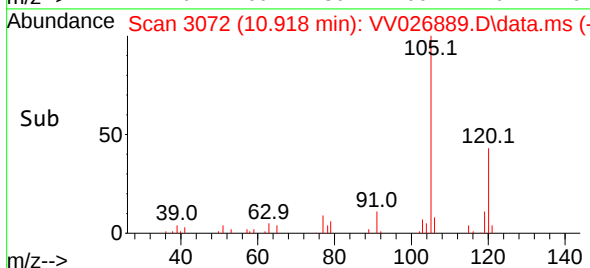
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022

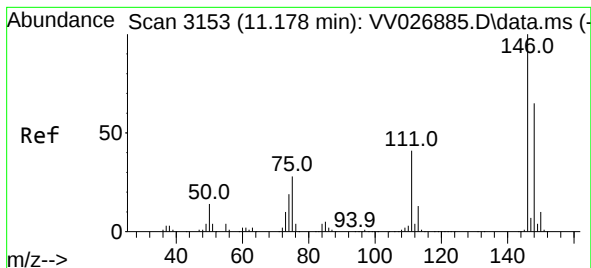


#63
1,2,4-Trimethylbenzene
Concen: 2.061 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57



Tgt Ion:105 Resp: 23655
Ion Ratio Lower Upper
105 100
120 47.5 37.1 55.7





#64

1,3-Dichlorobenzene

Concen: 2.528 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.006 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

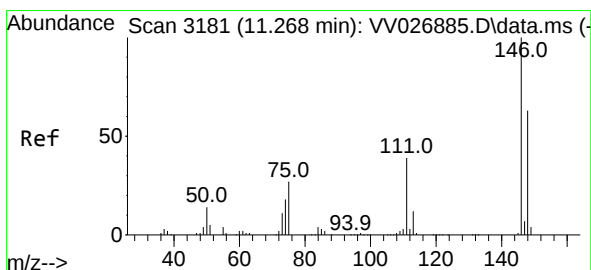
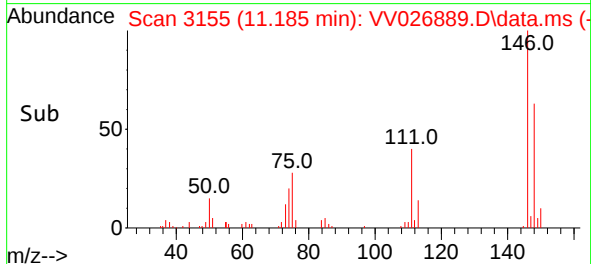
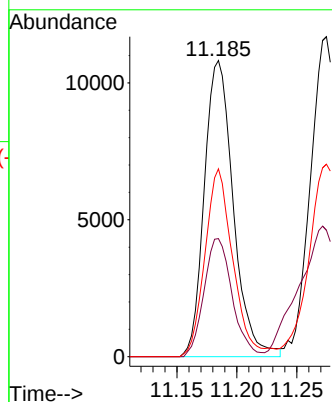
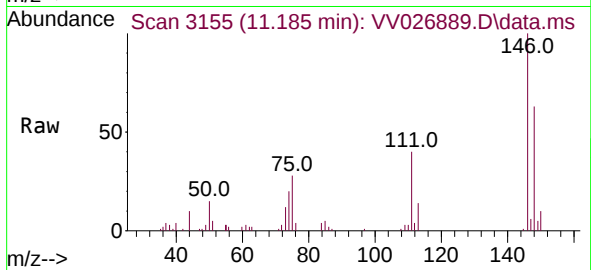
Tgt Ion:146	Resp:	18180
Ion Ratio	Lower	Upper
146	100	
111	39.9	27.9 51.9
148	63.4	44.2 82.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#65

1,4-Dichlorobenzene

Concen: 2.463 ug/L

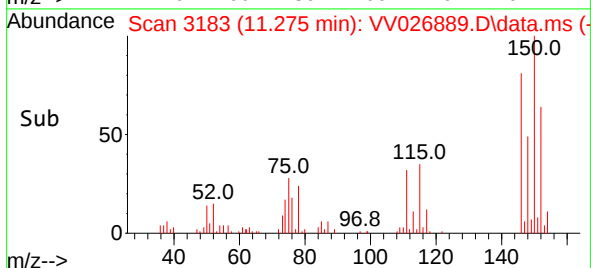
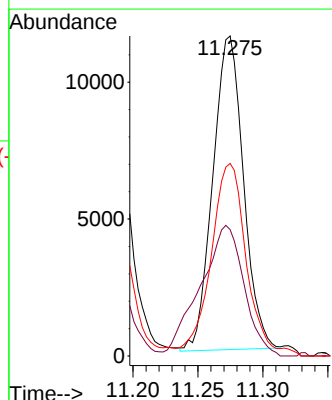
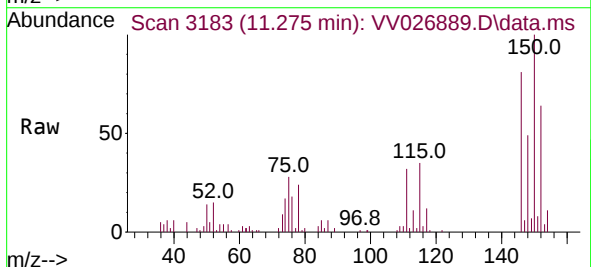
RT: 11.275 min Scan# 3183

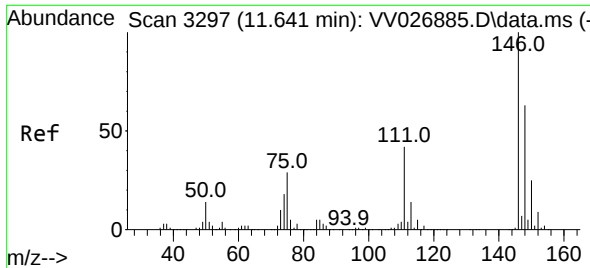
Delta R.T. 0.006 min

Lab File: VV026889.D

Acq: 22 Jul 2022 15:57

Tgt Ion:146	Resp:	18775
Ion Ratio	Lower	Upper
146	100	
111	39.5	27.4 51.0
148	60.2	44.4 82.4





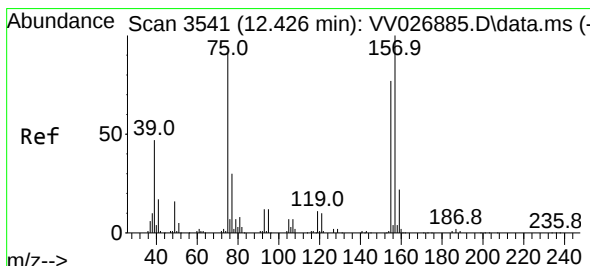
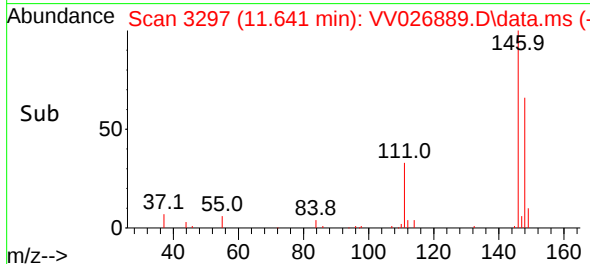
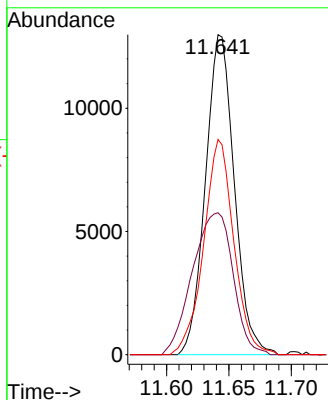
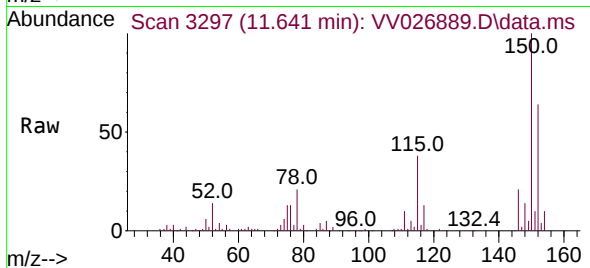
#67
1,2-Dichlorobenzene
Concen: 2.839 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

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

Tgt Ion:146 Resp: 2095
Ion Ratio Lower Upper
146 100
111 44.4 33.2 49.8
148 67.3 51.4 77.2

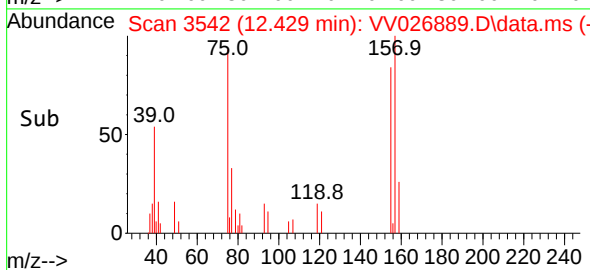
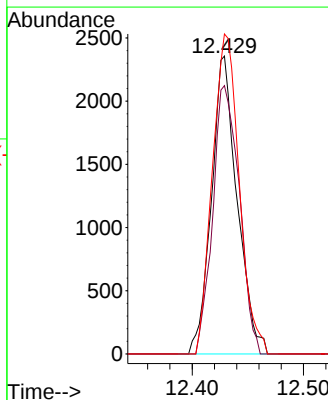
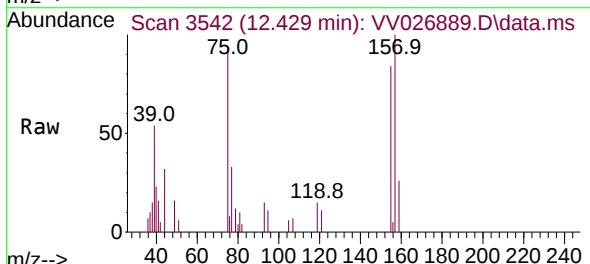
Manual Integrations
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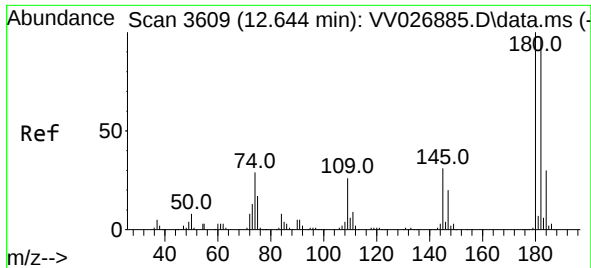
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022



#68
1,2-Dibromo-3-chloropropane
Concen: 2.962 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

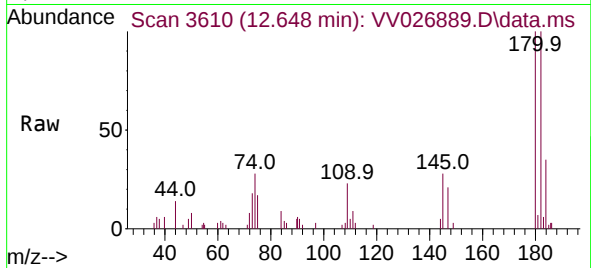
Tgt Ion: 75 Resp: 3784
Ion Ratio Lower Upper
75 100
155 90.0 67.7 101.5
157 107.4 87.1 130.7





#69
1,3,5-Trichlorobenzene
Concen: 2.420 ug/L
RT: 12.648 min Scan# 3610
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

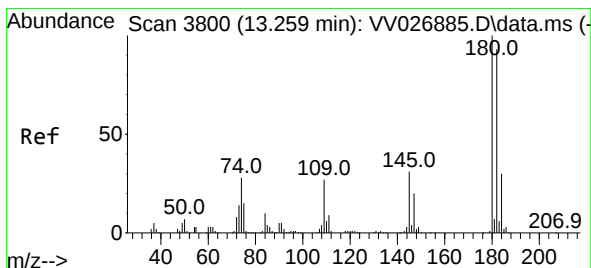
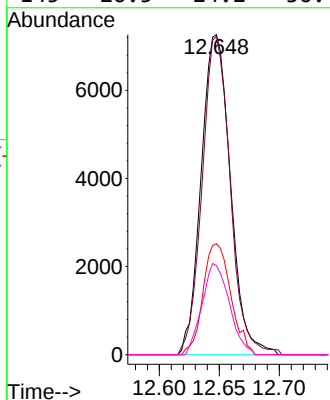
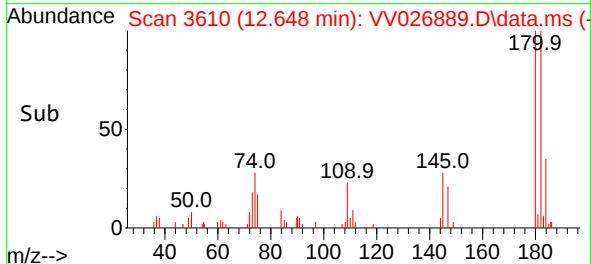
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03



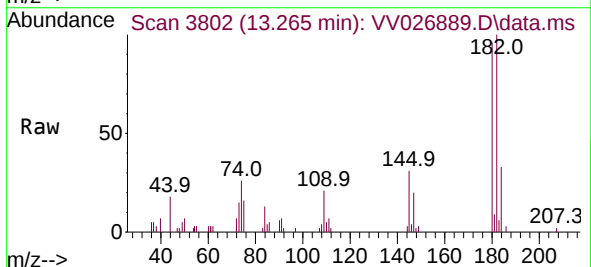
Tgt Ion:180 Resp: 12320
Ion Ratio Lower Upper
180 100
182 94.9 75.6 113.4
184 32.8 23.8 35.8
145 26.5 24.2 36.4

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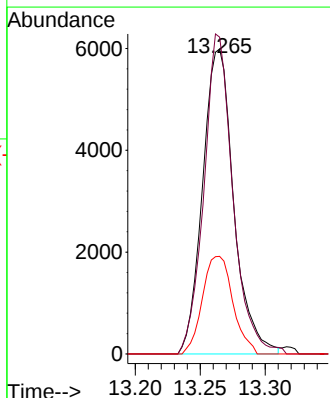
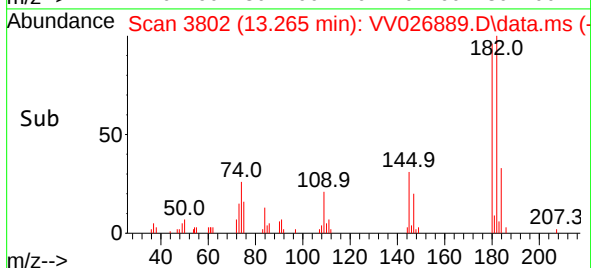
Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022

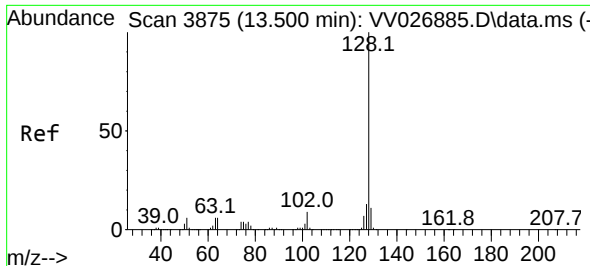


#70
1,2,4-trichlorobenzene
Concen: 2.326 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.006 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57



Tgt Ion:180 Resp: 9982
Ion Ratio Lower Upper
180 100
182 97.0 76.2 114.4
145 31.2 25.0 37.6





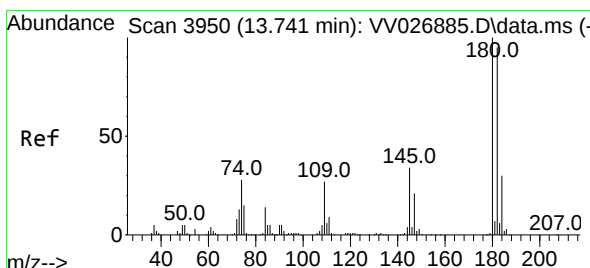
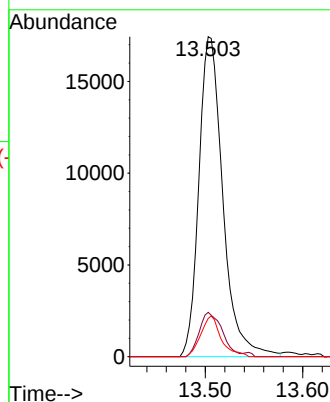
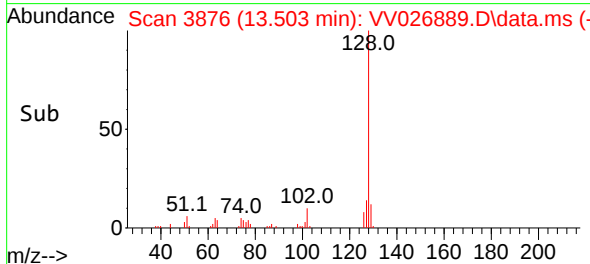
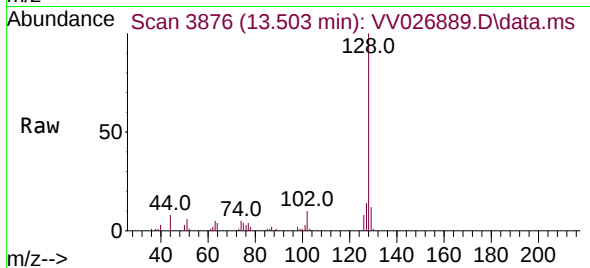
#71
Naphthalene
Concen: 2.208 ug/L
RT: 13.503 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

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

Tgt Ion:128 Resp: 2980
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.8 8.6 13.0

Manual Integrations
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Reviewed By :Krupa Patel 07/23/2022
Supervised By :Semsettin Yesilyurt 07/24/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.331 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV026889.D
Acq: 22 Jul 2022 15:57

Tgt Ion:180 Resp: 10435
Ion Ratio Lower Upper
180 100
182 93.8 75.4 113.2
145 29.6 26.6 40.0

