

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090424\
 Data File : VV037202.D
 Acq On : 04 Sep 2024 16:52
 Operator : SY/MD
 Sample : P3391-03
 Misc : 5.00g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Quant Time: Sep 05 02:42:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 02:17:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024
 Supervised By :Mahesh Dadoda 09/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	567733	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	549637	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	263349	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	155395	15.281	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.120%
7) Chloroethane-d5	1.532	69	133945	16.968	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.880%
11) 1,1-Dichloroethene-d2	2.057	65	74006	16.179	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.720%
21) 2-Butanone-d5	3.835	46	84180	38.276	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.560%
24) Chloroform-d	4.243	84	322978	18.488	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.960%
26) 1,2-Dichloroethane-d4	4.941	65	175111	19.762	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.040%
32) Benzene-d6	4.954	84	655844	18.884	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.520%
36) 1,2-Dichloropropane-d6	5.986	67	210392	19.554	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.200%
41) Toluene-d8	7.240	98	568990	18.116	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.480%
43) trans-1,3-Dichloroprop...	7.555	79	74784	18.056	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.240%
47) 2-Hexanone-d5	8.034	63	51042	34.799	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.600%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	163375	19.754	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.000%
66) 1,2-Dichlorobenzene-d4	11.555	152	201718	19.623	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	5942	0.760	ug/L	97
3) Chloromethane	1.217	50	9712	1.040	ug/L	95
5) Vinyl chloride	1.282	62	8214	0.894	ug/L #	59
6) Bromomethane	1.487	94	5189	0.976	ug/L	89
8) Chloroethane	1.549	64	4493	0.795	ug/L	89
9) Trichlorofluoromethane	1.712	101	9712	0.775	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	7375	0.941	ug/L	87
12) 1,1-Dichloroethene	2.066	96	6922	0.970	ug/L #	1
13) Acetone	2.147	43	9876m	3.588	ug/L	
14) Carbon disulfide	2.237	76	18656	0.797	ug/L	98
15) Methyl Acetate	2.388	43	3278m	0.843	ug/L	
16) Methylene chloride	2.442	84	29336	2.819	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	7037	0.904	ug/L	93
18) Methyl tert-butyl Ether	2.709	73	17199	0.944	ug/L #	94
19) 1,1-Dichloroethane	3.108	63	13271	0.890	ug/L	96
20) cis-1,2-Dichloroethene	3.812	96	7631	0.929	ug/L	78
22) 2-Butanone	3.947	43	5645m	2.191	ug/L	
23) Bromochloromethane	4.153	128	3232	0.882	ug/L	83
25) Chloroform	4.275	83	16201	1.120	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	9036m	0.986	ug/L	
29) Cyclohexane	4.574	56	8802	0.710	ug/L #	58
30) 1,1,1-Trichloroethane	4.513	97	9519	0.780	ug/L #	47
31) Carbon tetrachloride	4.735	117	7730m	0.749	ug/L	
33) Benzene	5.011	78	25839	0.838	ug/L	100
34) Trichloroethene	5.841	95	7310	0.871	ug/L	92
35) Methylcyclohexane	6.043	83	12080m	0.883	ug/L	
37) 1,2-Dichloropropane	6.098	63	7475m	0.926	ug/L	
38) Bromodichloromethane	6.439	83	8319m	0.830	ug/L	
39) cis-1,3-Dichloropropene	6.960	75	10310m	0.842	ug/L	
42) Toluene	7.323	91	25917	0.799	ug/L	92
44) trans-1,3-Dichloropropene	7.587	75	8830m	0.891	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	4957	0.823	ug/L	88
46) Tetrachloroethene	7.905	164	5150	0.835	ug/L	96
48) 2-Hexanone	8.098	43	10890m	2.921	ug/L	
49) Dibromochloromethane	8.178	129	5425	0.865	ug/L	94
50) 1,2-Dibromoethane	8.291	107	4974m	0.864	ug/L	
51) Chlorobenzene	8.818	112	17511	0.825	ug/L	93
52) Ethylbenzene	8.950	91	26501	0.729	ug/L	99
53) m,p-Xylene	9.079	106	9988m	0.741	ug/L	
54) o-Xylene	9.481	106	9525	0.733	ug/L	96
55) Styrene	9.506	104	15990m	0.726	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	6667	0.928	ug/L #	79
59) Bromoform	9.667	173	2503	0.749	ug/L #	95
60) Isopropylbenzene	9.867	105	25303	0.740	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	4444	0.916	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	19541	0.719	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	19101m	0.709	ug/L	
64) 1,3-Dichlorobenzene	11.120	146	13304	0.853	ug/L	94
65) 1,4-Dichlorobenzene	11.204	146	15570m	0.979	ug/L	
67) 1,2-Dichlorobenzene	11.574	146	13281	0.918	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	12.368	75	962m	0.878	ug/L	
69) 1,3,5-Trichlorobenzene	12.583	180	8844	0.799	ug/L	97
70) 1,2,4-trichlorobenzene	13.198	180	8436	0.864	ug/L	94
71) Naphthalene	13.442	128	19265	1.011	ug/L #	97
72) 1,2,3-Trichlorobenzene	13.680	180	7966	0.888	ug/L	95

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

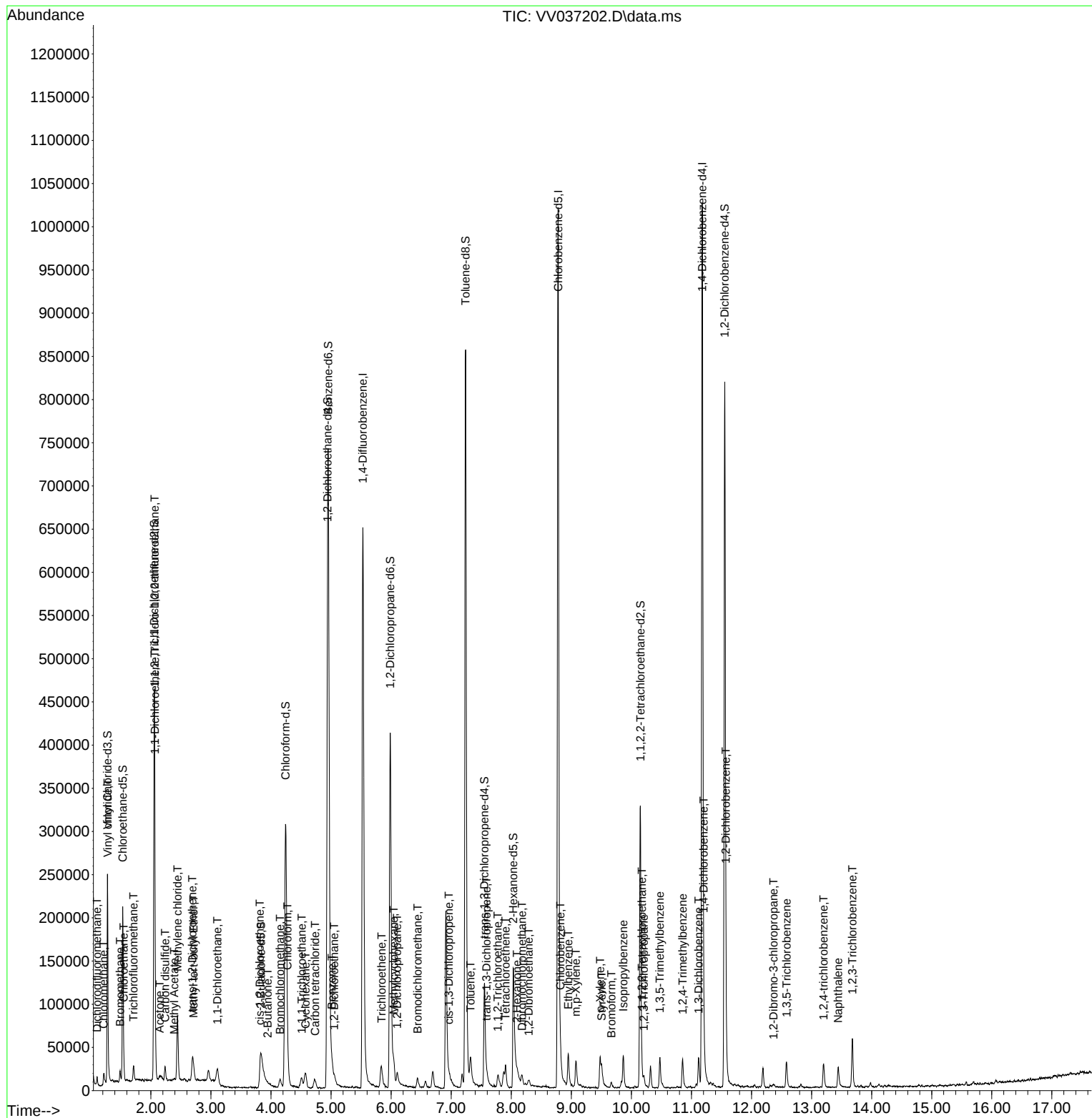
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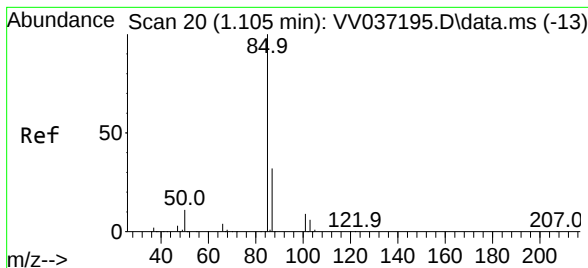
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Manual Integrations APPROVED

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 Supervised By :Mahesh Dadoda 09/05/2024

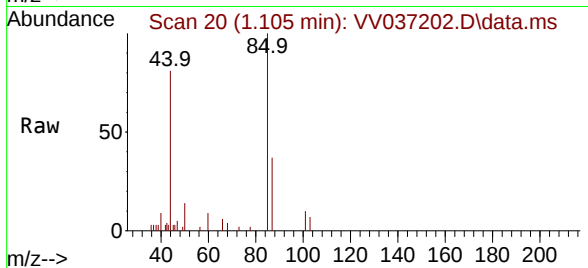
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#2
Dichlorodifluoromethane
Concen: 0.760 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

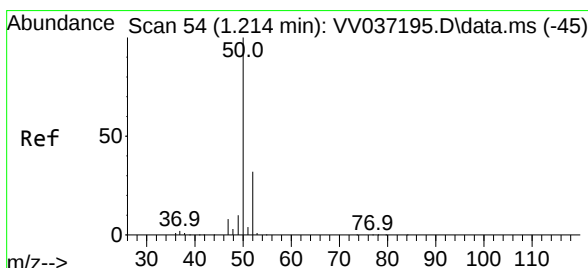
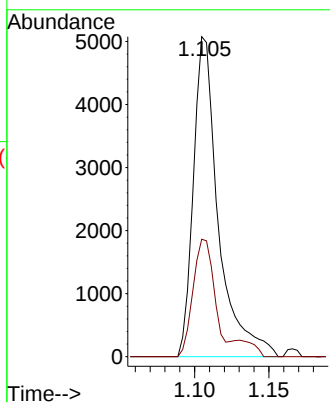
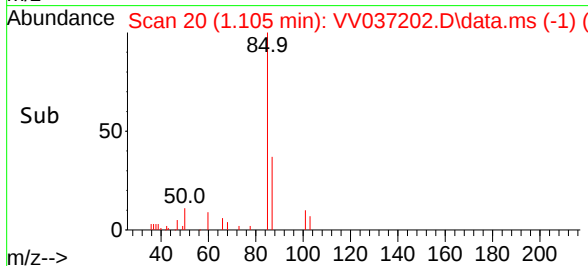
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 85 Resp: 5942
Ion Ratio Lower Upper
85 100
87 31.1 26.1 39.1

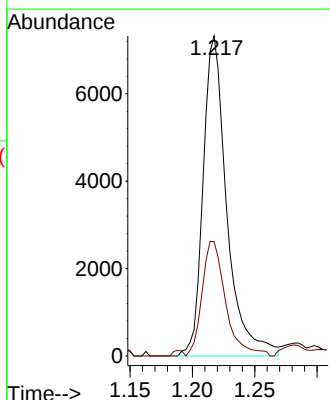
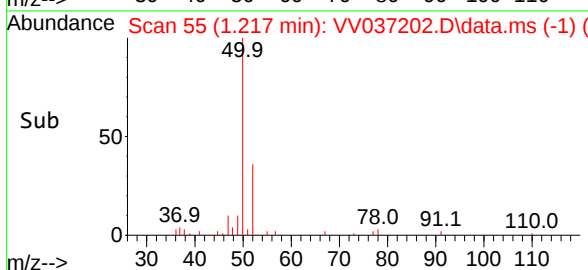
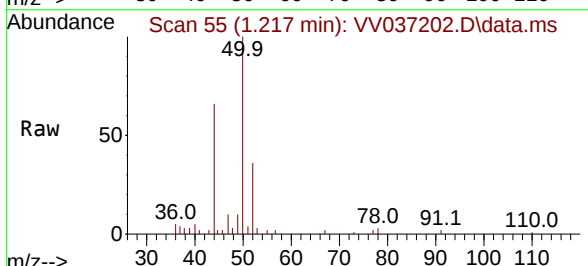
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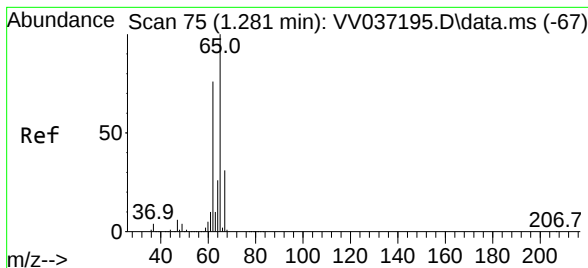
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#3
Chloromethane
Concen: 1.040 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

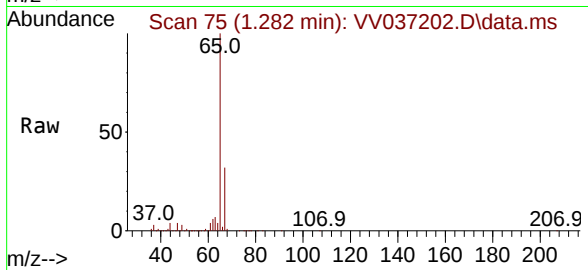
Tgt Ion: 50 Resp: 9712
Ion Ratio Lower Upper
50 100
52 35.8 22.9 42.5





#5
 Vinyl chloride
 Concen: 0.894 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037202.D
 Acq: 04 Sep 2024 16:52

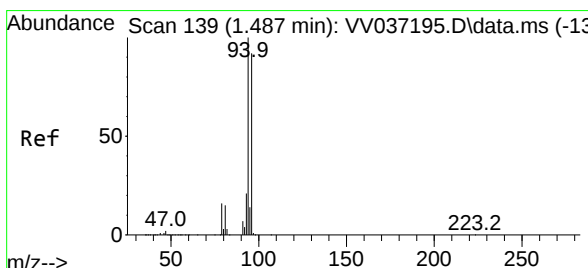
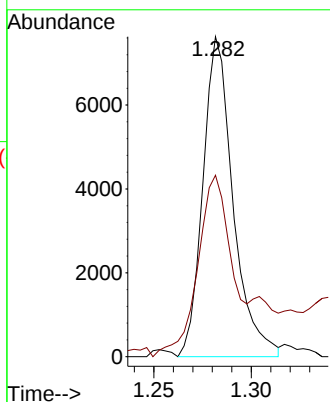
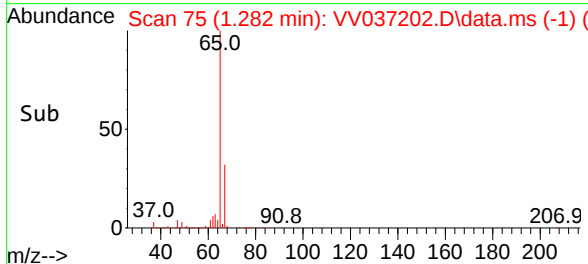
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-05



Tgt Ion: 62 Resp: 8214
 Ion Ratio Lower Upper
 62 100
 64 56.7 23.2 43.2

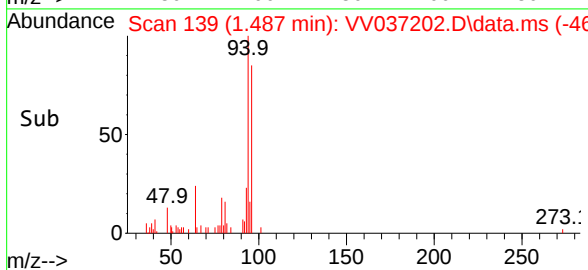
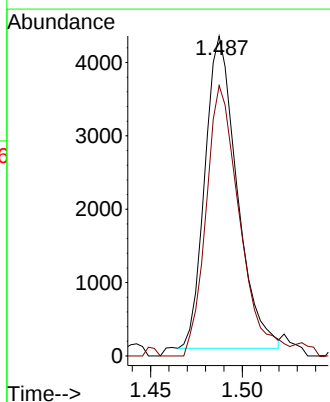
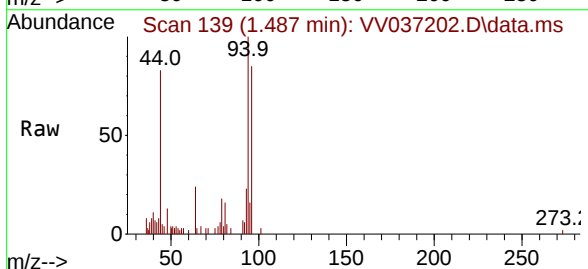
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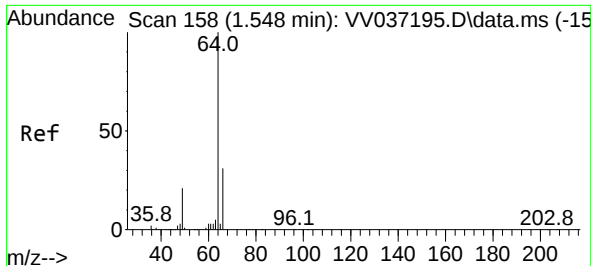
Reviewed By :Semsettin Yesilyurt 09/05/2024
 Supervised By :Mahesh Dadoda 09/05/2024



#6
 Bromomethane
 Concen: 0.976 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037202.D
 Acq: 04 Sep 2024 16:52

Tgt Ion: 94 Resp: 5189
 Ion Ratio Lower Upper
 94 100
 96 84.5 66.6 123.6





#8

Chloroethane

Concen: 0.795 ug/L

RT: 1.549 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion: 64 Resp: 449

Ion Ratio Lower Upper

64 100

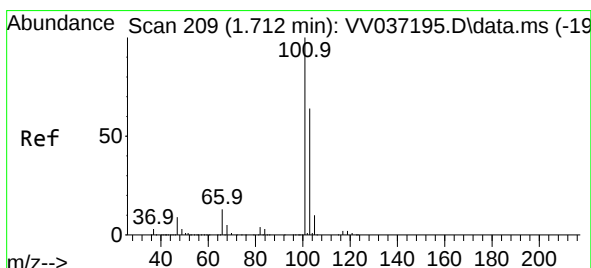
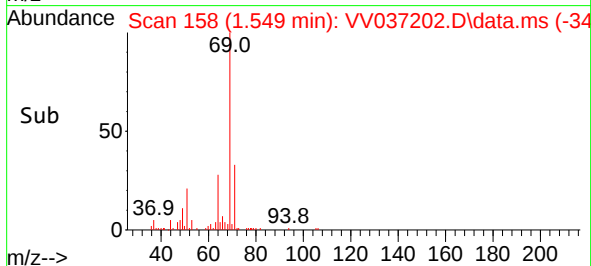
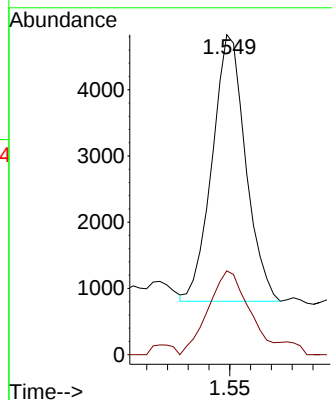
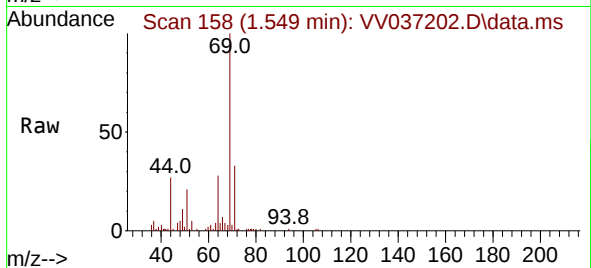
66 26.2 22.7 42.1

Manual Integrations

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Supervised By :Mahesh Dadoda 09/05/2024



#9

Trichlorofluoromethane

Concen: 0.775 ug/L

RT: 1.712 min Scan# 209

Delta R.T. 0.000 min

Lab File: VV037202.D

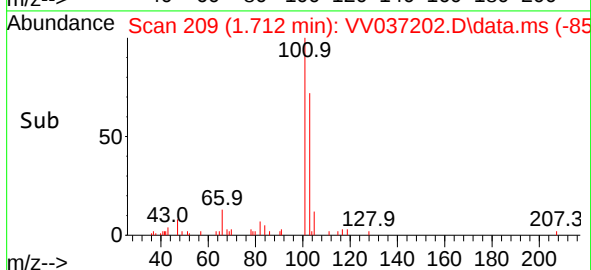
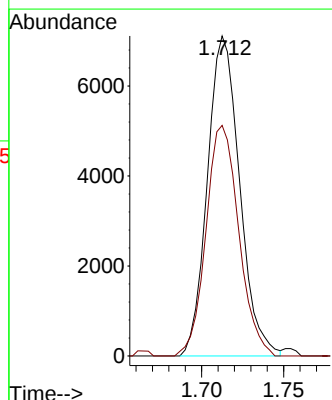
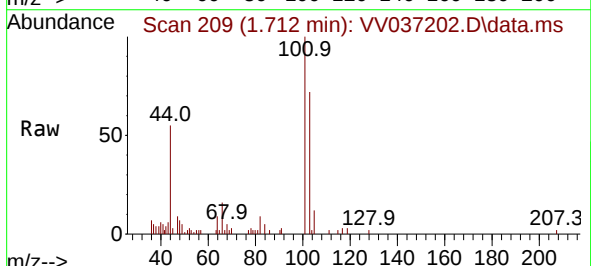
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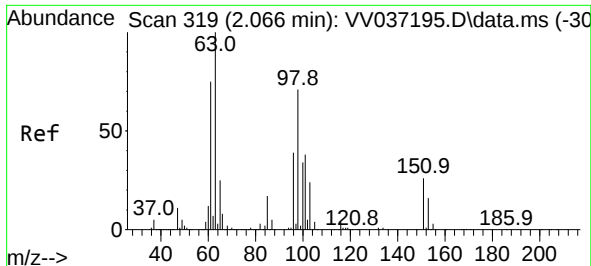
Tgt Ion:101 Resp: 9712

Ion Ratio Lower Upper

101 100

103 73.3 51.4 77.2





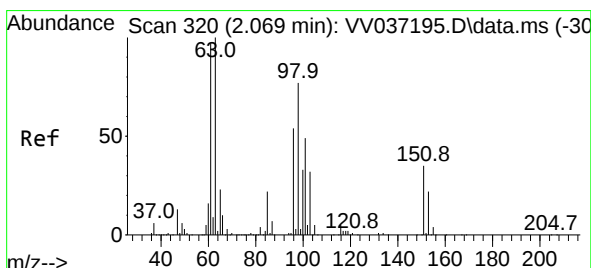
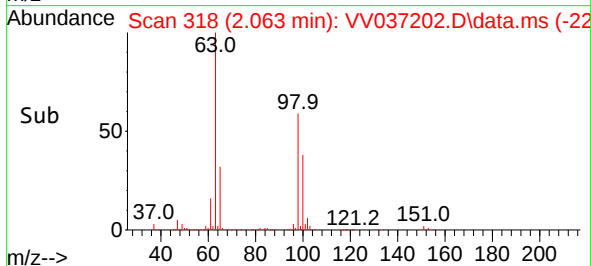
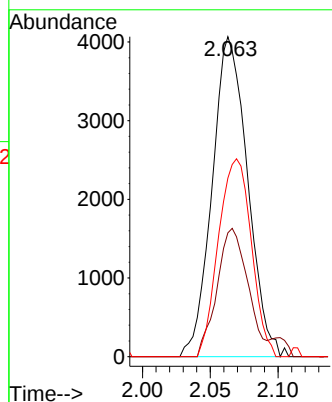
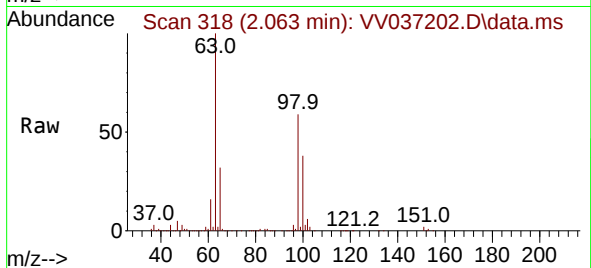
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.941 ug/L
RT: 2.063 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV037202.D
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Tgt Ion: 101 Resp: 7375
Ion Ratio Lower Upper
101 100
85 35.2 34.7 52.1
151 57.5 54.3 81.5

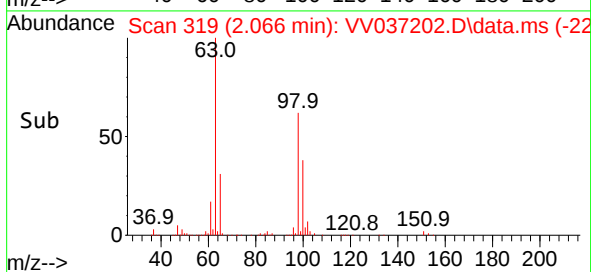
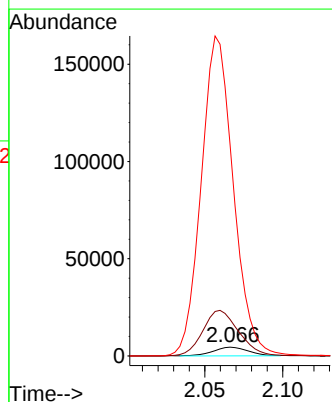
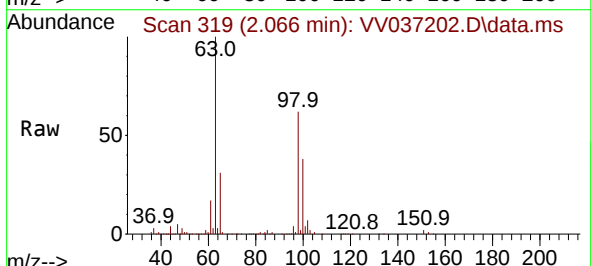
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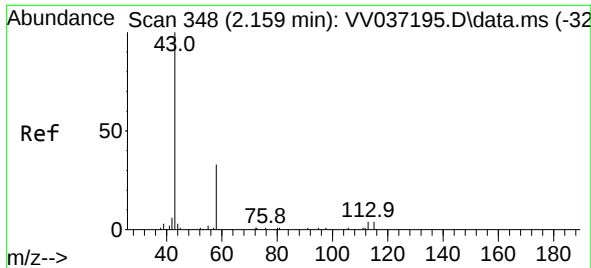
Reviewed By : Semsettin Yesilyurt 09/05/2024
Supervised By : Mahesh Dadoda 09/05/2024



#12
1,1-Dichloroethene
Concen: 0.970 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

Tgt Ion: 96 Resp: 6922
Ion Ratio Lower Upper
96 100
61 413.9 126.8 235.6#
63 2395.4 110.4 205.0#





#13

Acetone

Concen: 3.588 ug/L m

RT: 2.147 min Scan# 34

Delta R.T. 0.000 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

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ClientSampleId :

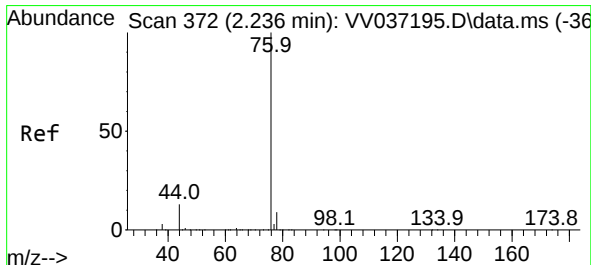
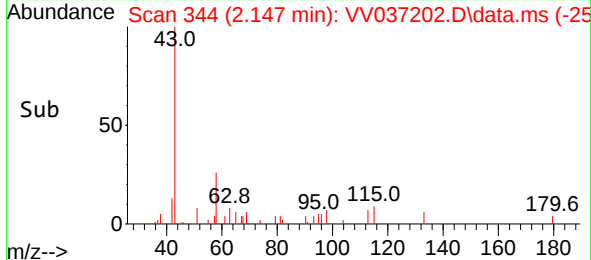
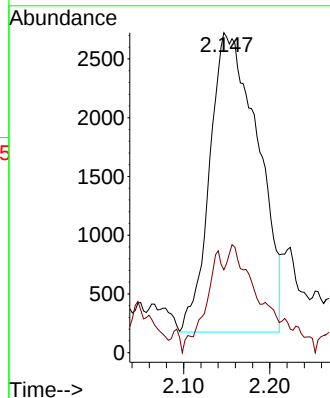
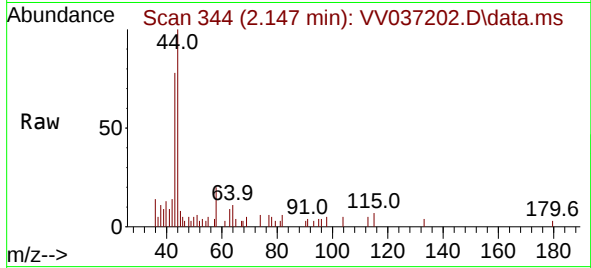
MDL-SOIL-QT3-2024-05

Tgt Ion: 43 Resp: 9870
 Ion Ratio Lower Upper
 43 100
 58 8.7 0.0 22.2

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#14

Carbon disulfide

Concen: 0.797 ug/L

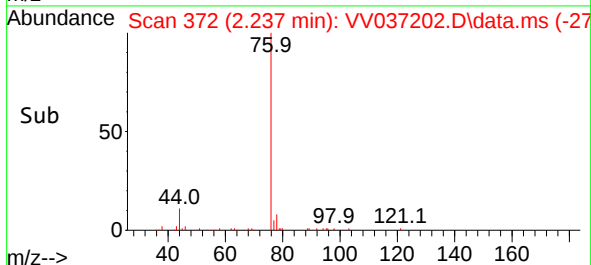
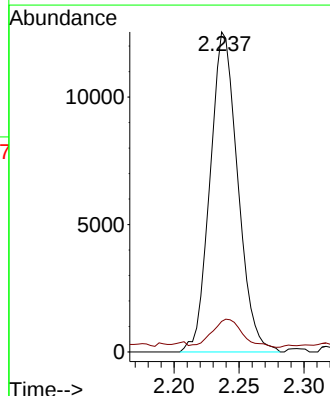
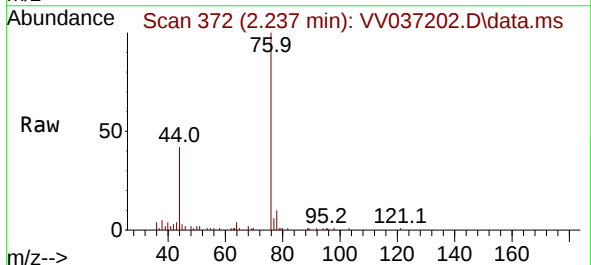
RT: 2.237 min Scan# 372

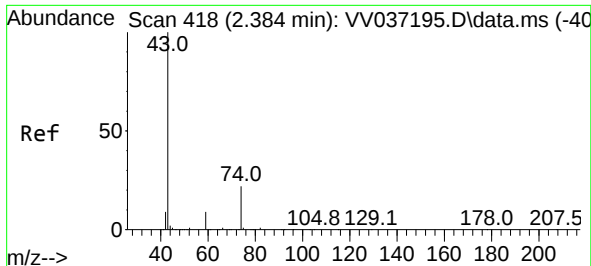
Delta R.T. 0.000 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

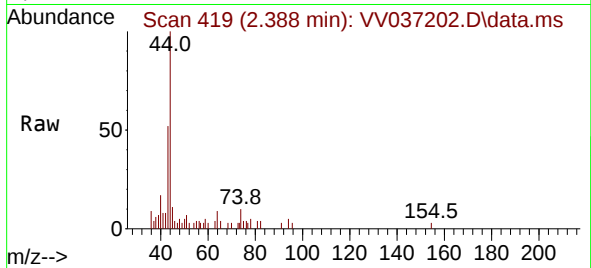
Tgt Ion: 76 Resp: 18656
 Ion Ratio Lower Upper
 76 100
 78 9.6 7.2 10.8





#15
Methyl Acetate
Concen: 0.843 ug/L m
RT: 2.388 min Scan# 418
Delta R.T. 0.007 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

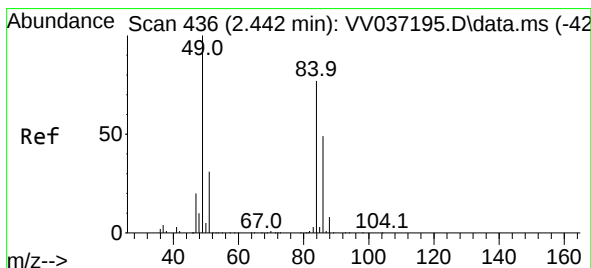
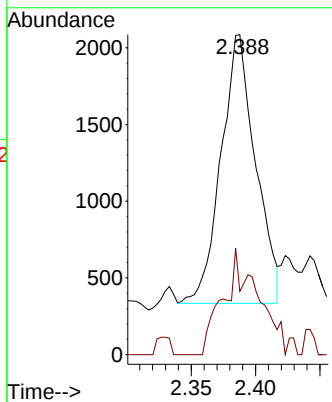
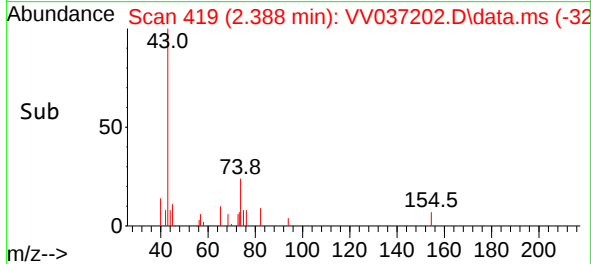
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 43 Resp: 3278
Ion Ratio Lower Upper
43 100
74 2.0 19.0 28.4

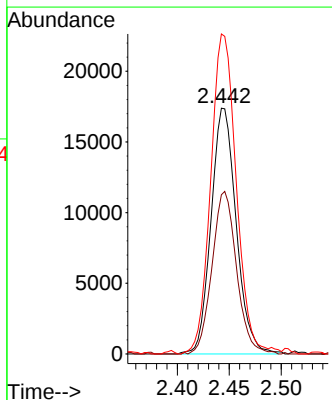
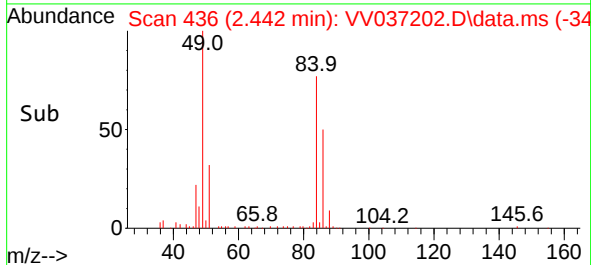
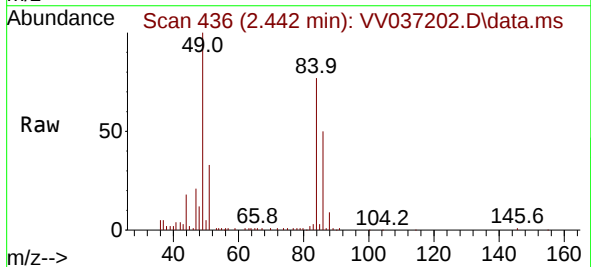
Manual Integrations
APPROVED

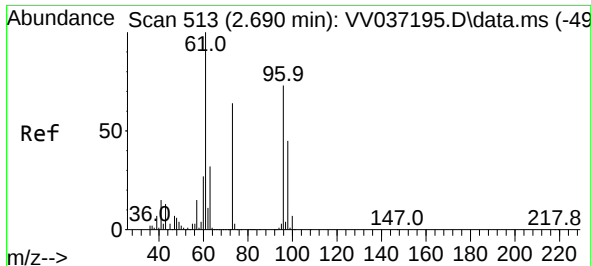
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#16
Methylene chloride
Concen: 2.819 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

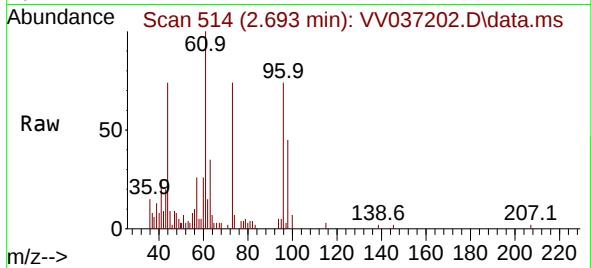
Tgt Ion: 84 Resp: 29336
Ion Ratio Lower Upper
84 100
86 64.7 45.4 84.2
49 130.2 88.7 164.7





#17
trans-1,2-Dichloroethene
Concen: 0.904 ug/L
RT: 2.693 min Scan# 513
Delta R.T. 0.007 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

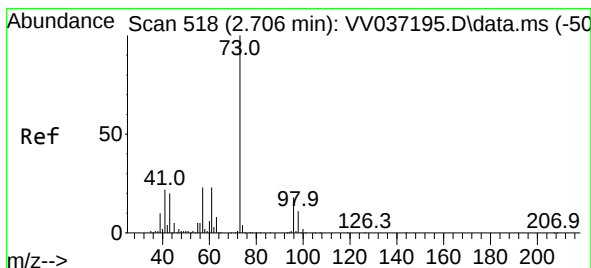
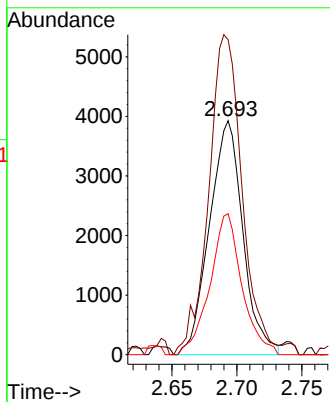
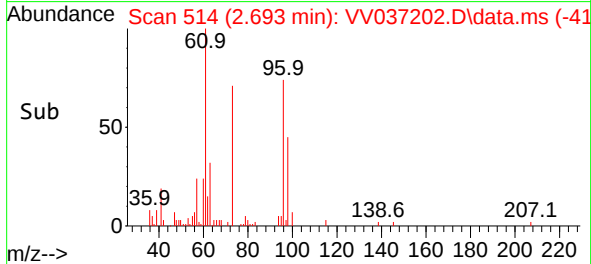
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 96 Resp: 703
Ion Ratio Lower Upper
96 100
61 134.7 99.7 185.1
98 60.2 46.4 86.2

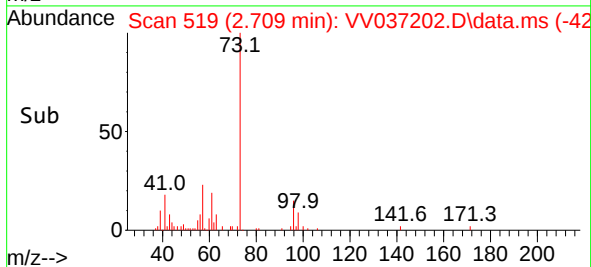
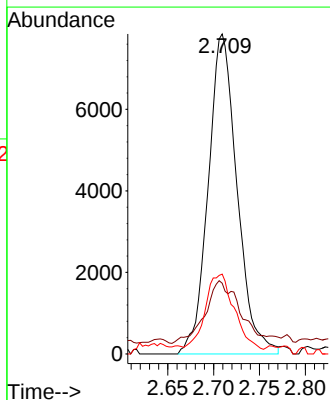
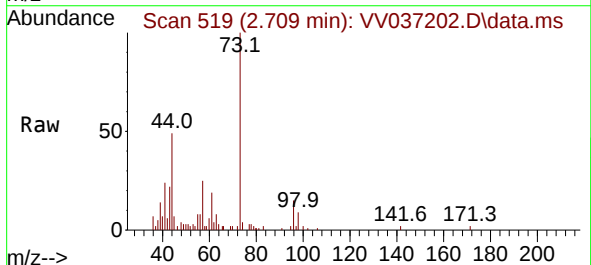
Manual Integrations
APPROVED

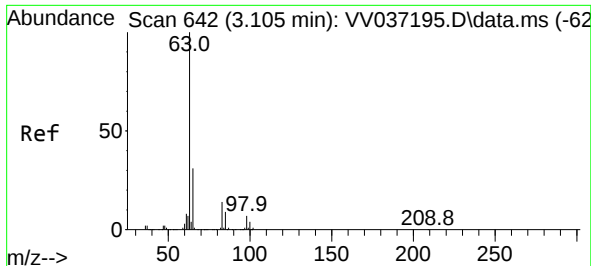
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#18
Methyl tert-butyl Ether
Concen: 0.944 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.007 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

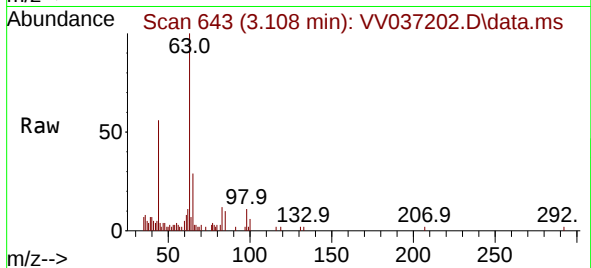
Tgt Ion: 73 Resp: 17199
Ion Ratio Lower Upper
73 100
43 14.9 15.7 23.5#
57 23.8 18.3 27.5





#19
1,1-Dichloroethane
Concen: 0.890 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.007 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

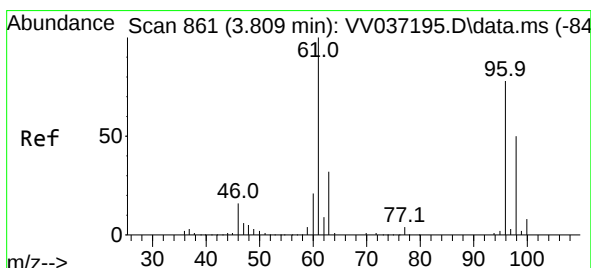
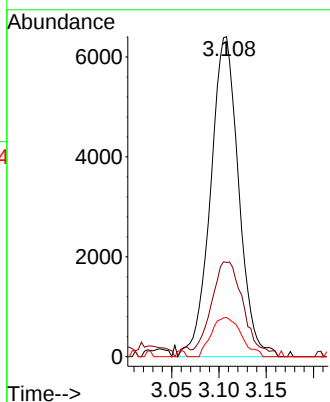
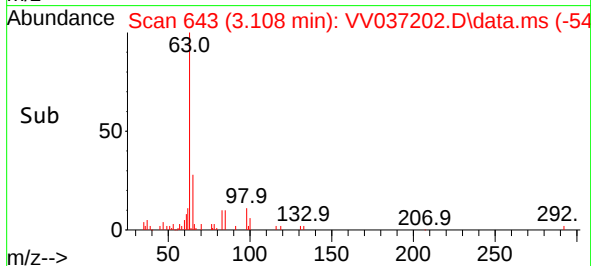
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



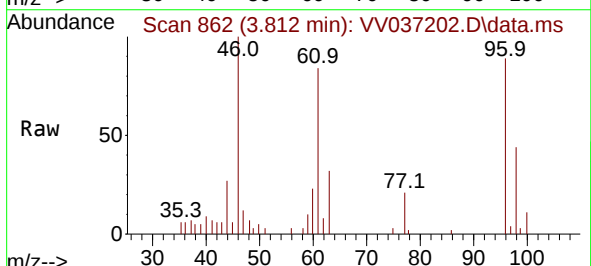
Tgt Ion: 63 Resp: 1327
Ion Ratio Lower Upper
63 100
65 29.4 22.4 41.6
83 12.3 9.3 17.3

Manual Integrations
APPROVED

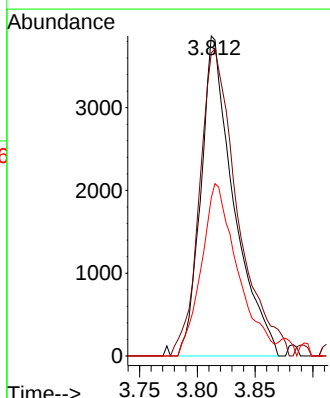
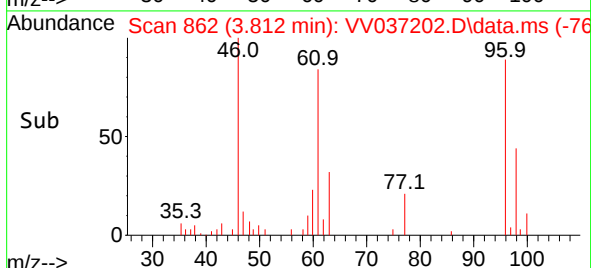
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024

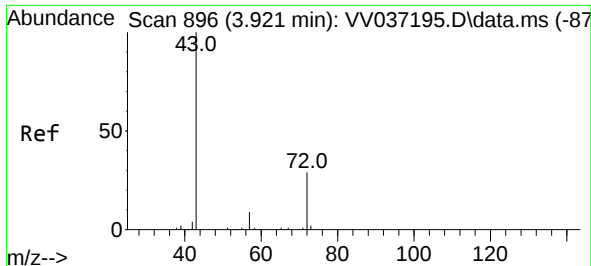


#20
cis-1,2-Dichloroethene
Concen: 0.929 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.010 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52



Tgt Ion: 96 Resp: 7631
Ion Ratio Lower Upper
96 100
61 94.7 87.6 162.6
98 53.1 44.0 81.6





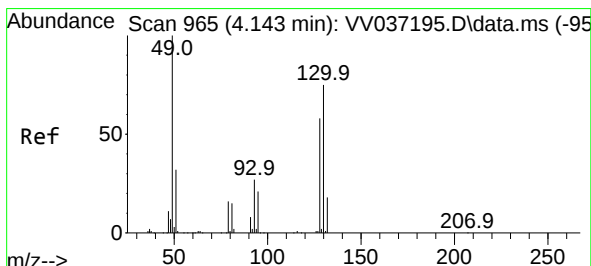
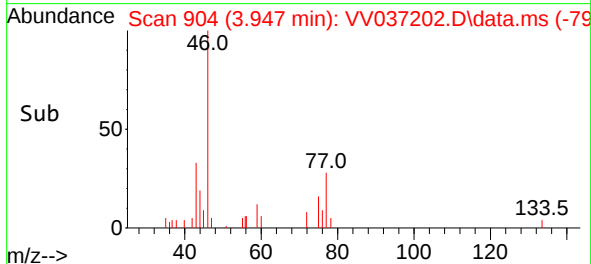
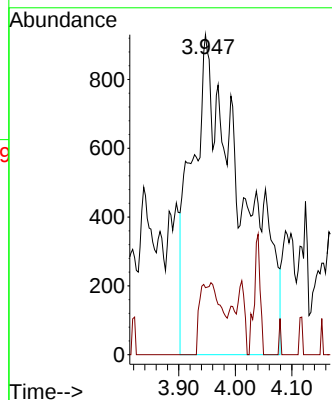
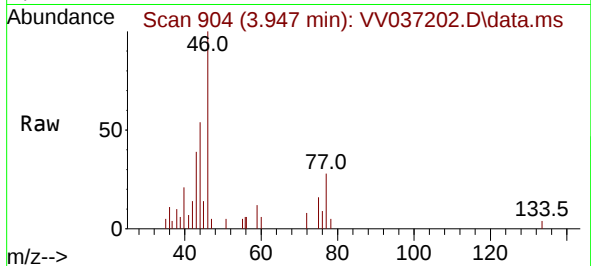
#22
2-Butanone
Concen: 2.191 ug/L m
RT: 3.947 min Scan# 904
Delta R.T. 0.042 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05

Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
72 3.0 10.2 30.6

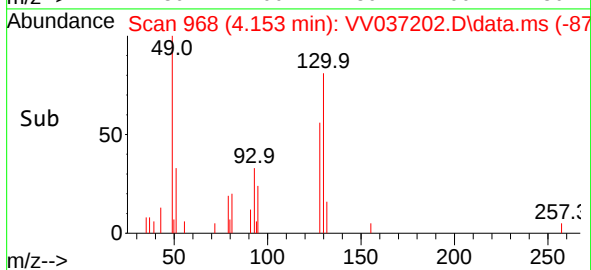
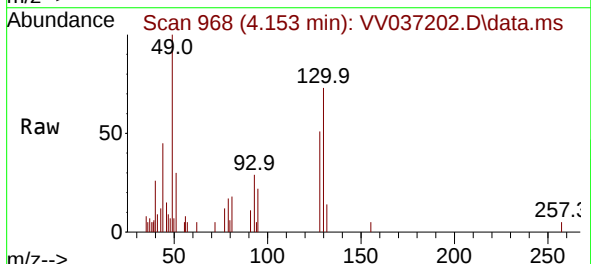
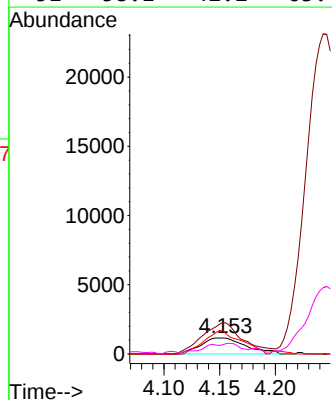
Manual Integrations
APPROVED

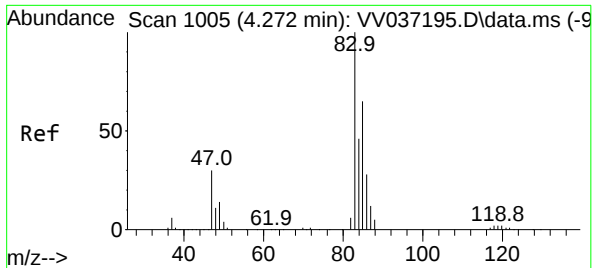
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#23
Bromochloromethane
Concen: 0.882 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.016 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

Tgt Ion:128 Resp: 3232
Ion Ratio Lower Upper
128 100
49 196.8 117.8 218.8
130 143.8 88.4 164.2
51 58.1 42.2 63.4





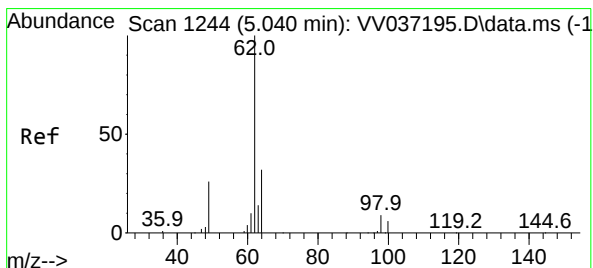
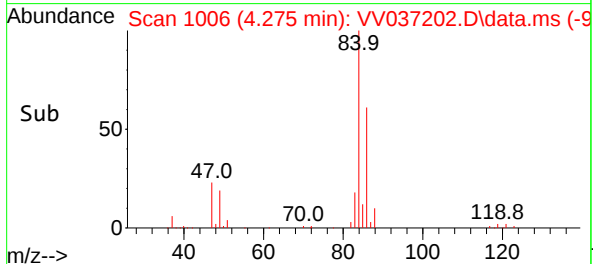
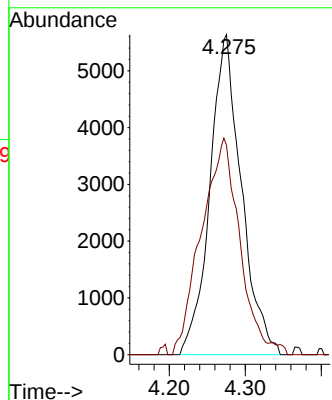
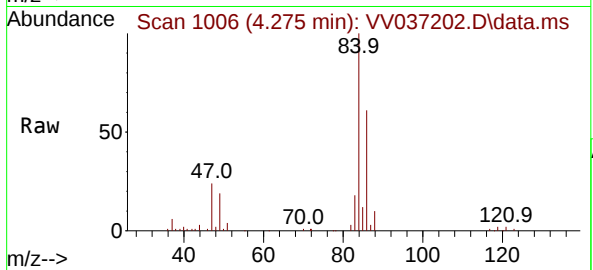
#25
Chloroform
Concen: 1.120 ug/L
RT: 4.275 min Scan# 1005
Delta R.T. 0.010 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05

Tgt Ion: 83 Resp: 1620
Ion Ratio Lower Upper
83 100
85 65.5 44.9 83.3

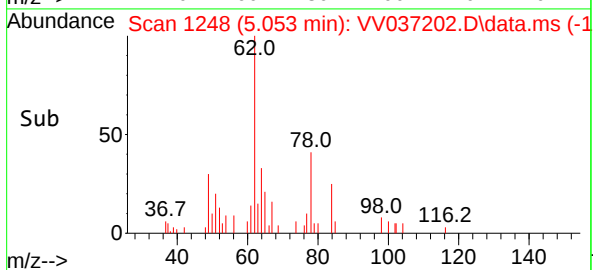
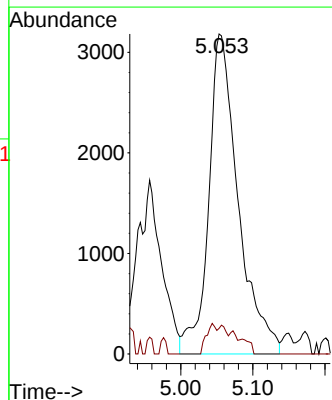
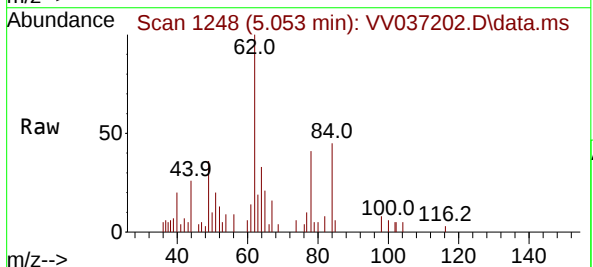
Manual Integrations
APPROVED

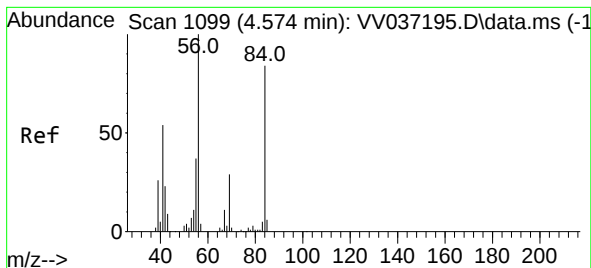
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#27
1,2-Dichloroethane
Concen: 0.986 ug/L m
RT: 5.053 min Scan# 1248
Delta R.T. 0.019 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

Tgt Ion: 62 Resp: 9036
Ion Ratio Lower Upper
62 100
98 8.0 8.3 12.5#





#29

Cyclohexane

Concen: 0.710 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.007 min

Lab File: VV037202.D

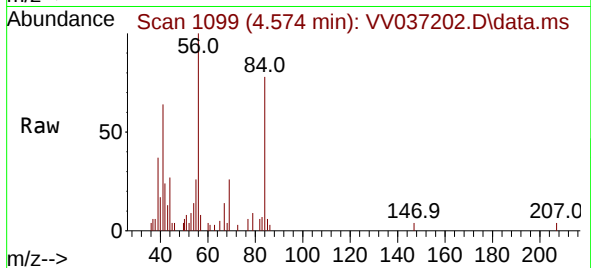
Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

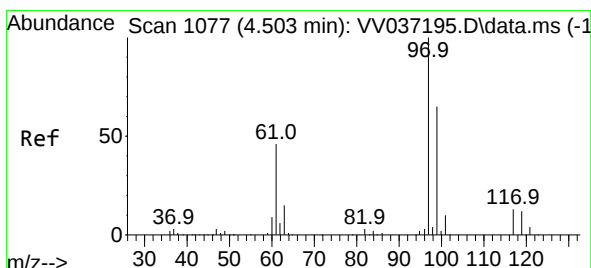
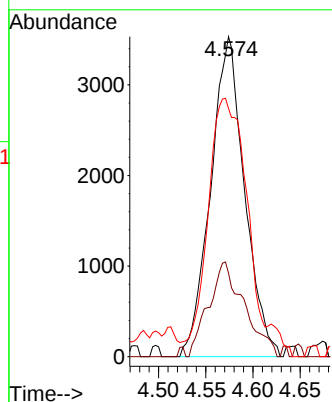
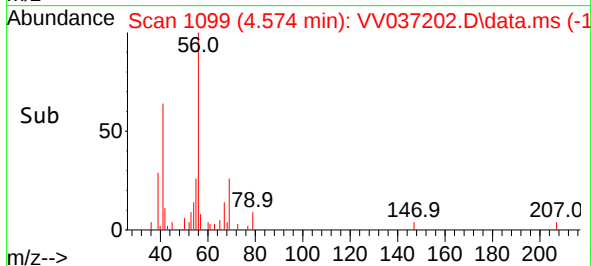


Tgt Ion:	56	Resp:	880
Ion Ratio	100	Lower	Upper
56	100		
69	5.7	24.3	36.5
84	50.2	71.1	106.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#30

1,1,1-Trichloroethane

Concen: 0.780 ug/L

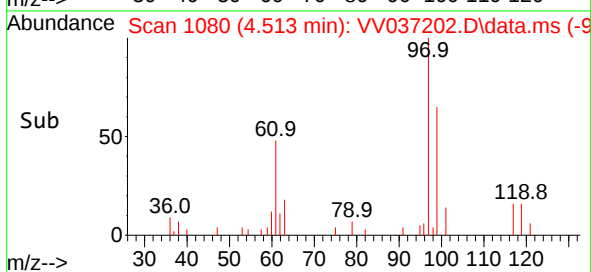
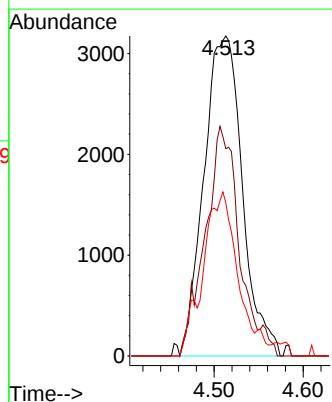
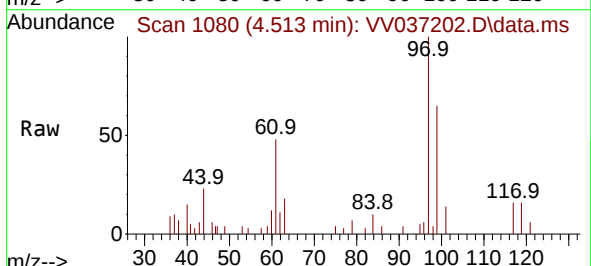
RT: 4.513 min Scan# 1080

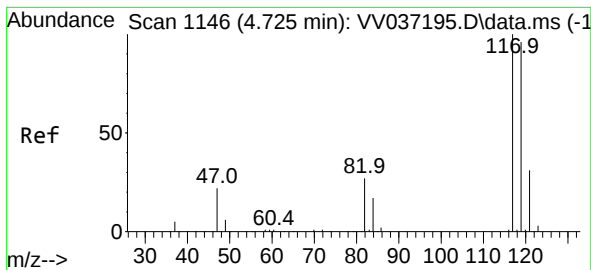
Delta R.T. 0.013 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Tgt Ion:	97	Resp:	9519
Ion Ratio	100	Lower	Upper
97	100		
99	23.6	51.5	77.3
61	9.6	35.4	53.2





#31

Carbon tetrachloride

Concen: 0.749 ug/L m

RT: 4.735 min Scan# 1149

Delta R.T. 0.013 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion:117 Resp: 7730

Ion Ratio Lower Upper

117 100

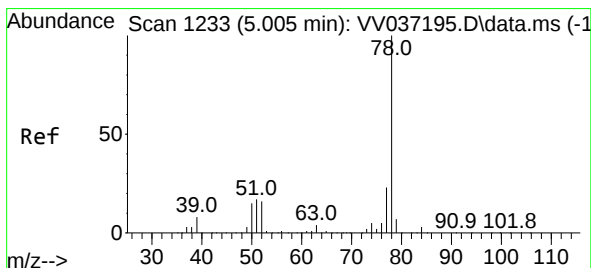
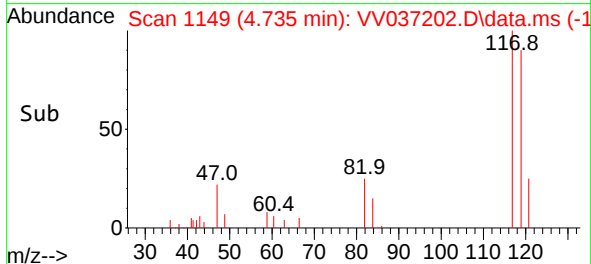
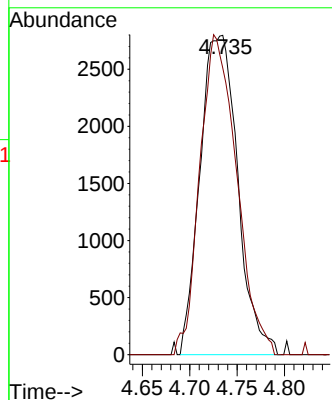
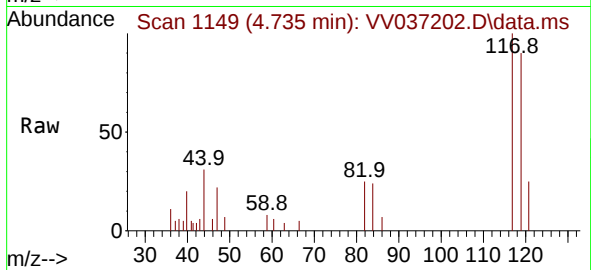
119 97.5 76.2 114.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024

Supervised By :Mahesh Dadoda 09/05/2024



#33

Benzene

Concen: 0.838 ug/L

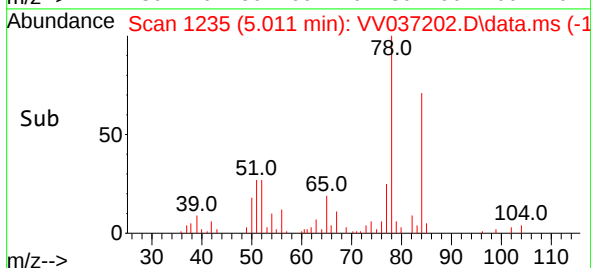
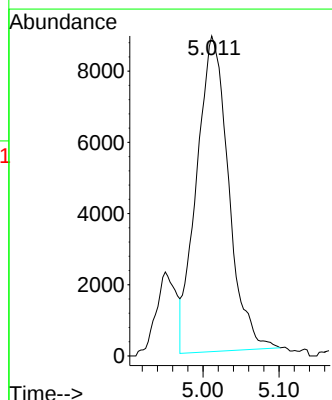
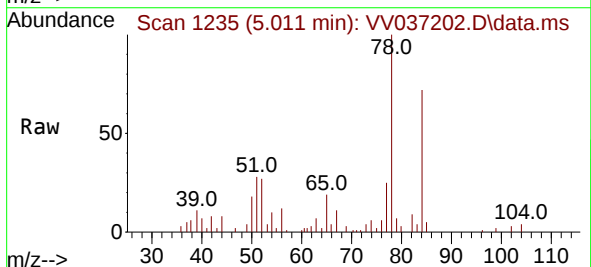
RT: 5.011 min Scan# 1235

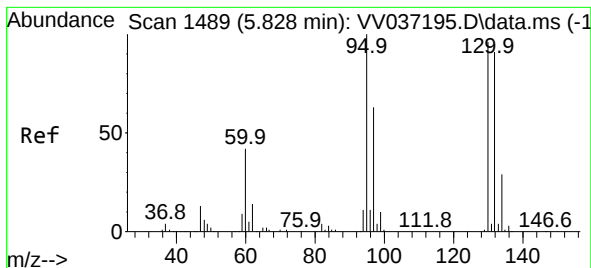
Delta R.T. 0.013 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Tgt Ion: 78 Resp: 25839





#34

Trichloroethene

Concen: 0.871 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.016 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion: 95 Resp: 7310

Ion Ratio Lower Upper

95 100

97 67.1 44.0 81.6

132 93.4 64.3 119.5

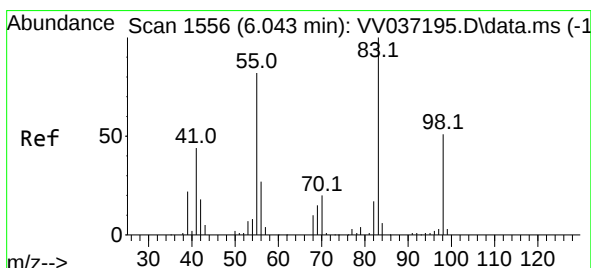
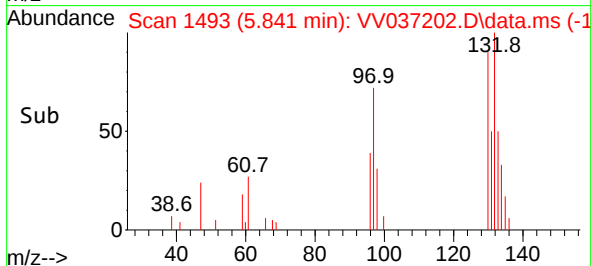
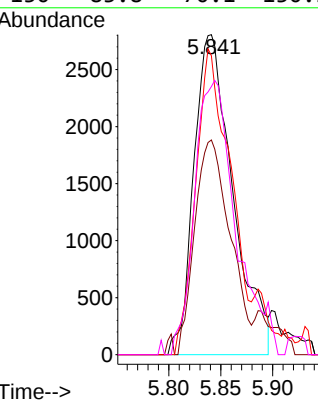
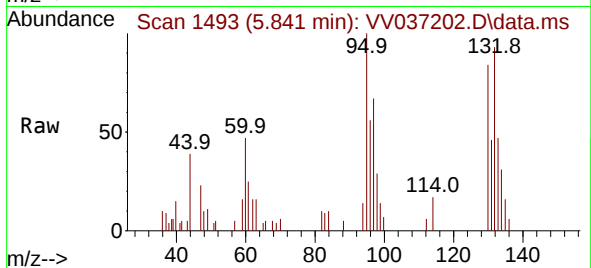
130 83.8 70.1 130.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024

Supervised By :Mahesh Dadoda 09/05/2024



#35

Methylcyclohexane

Concen: 0.883 ug/L m

RT: 6.043 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

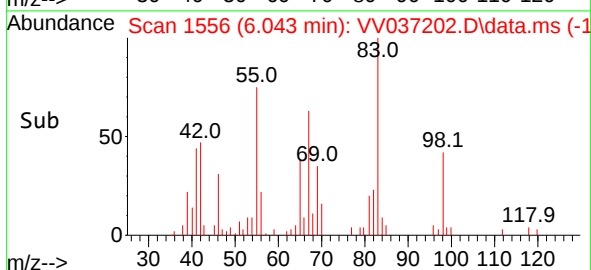
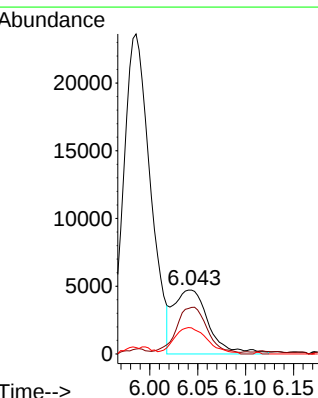
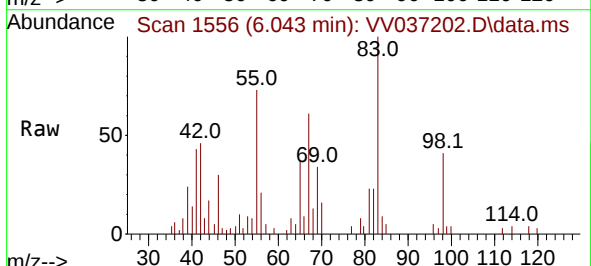
Tgt Ion: 83 Resp: 12080

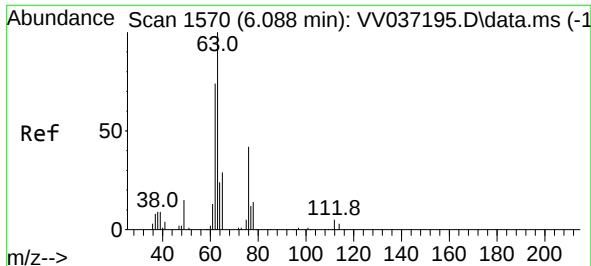
Ion Ratio Lower Upper

83 100

55 61.4 61.6 92.4#

98 38.8 38.5 57.7





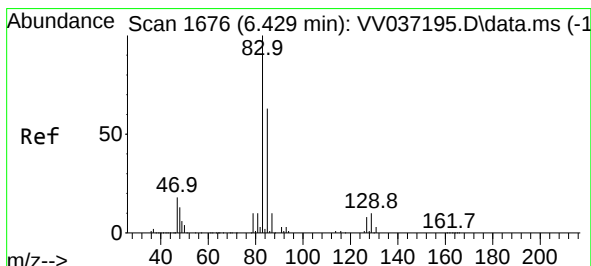
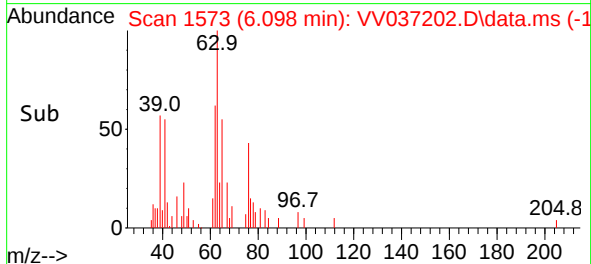
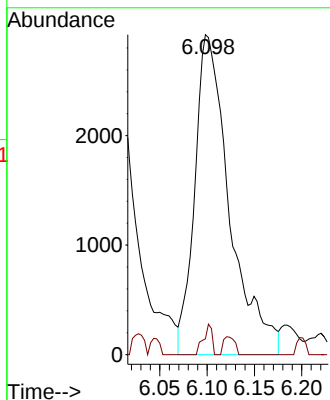
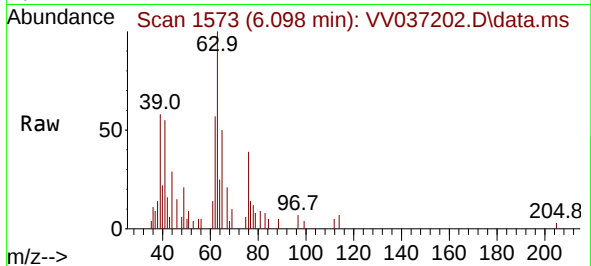
#37
1,2-Dichloropropane
Concen: 0.926 ug/L m
RT: 6.098 min Scan# 1570
Delta R.T. 0.013 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

Instrument : MSVOA_V
ClientSampleId : MDL-SOIL-QT3-2024-05

Tgt Ion: 63 Resp: 7475
Ion Ratio Lower Upper
63 100
112 1.7 3.8 5.6

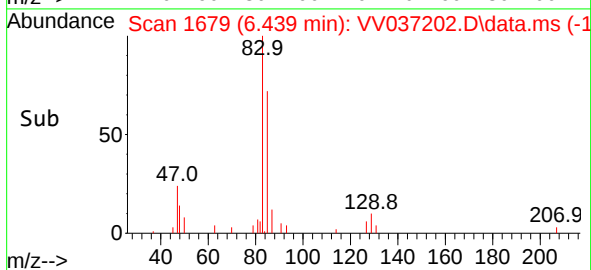
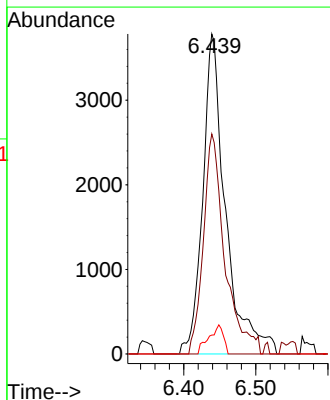
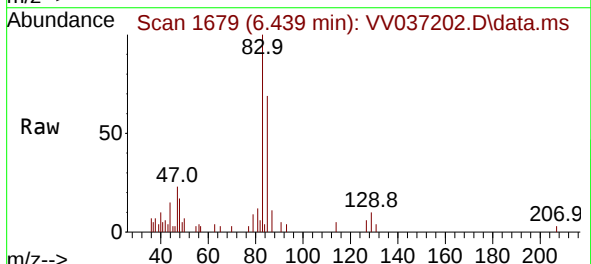
Manual Integrations
APPROVED

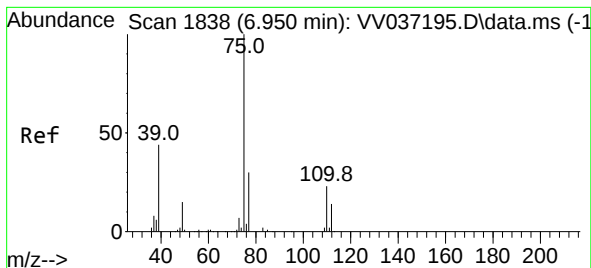
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#38
Bromodichloromethane
Concen: 0.830 ug/L m
RT: 6.439 min Scan# 1679
Delta R.T. 0.013 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

Tgt Ion: 83 Resp: 8319
Ion Ratio Lower Upper
83 100
85 68.8 45.9 85.3
127 5.9 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 0.842 ug/L m

RT: 6.960 min Scan# 1838

Delta R.T. 0.013 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion: 75 Resp: 10310

Ion Ratio Lower Upper

75 100

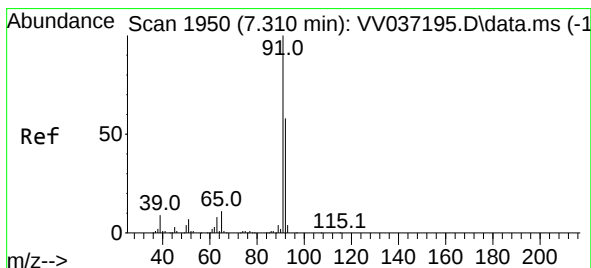
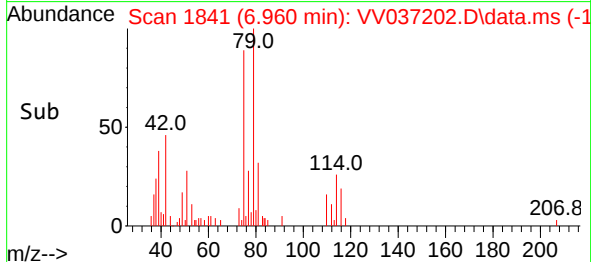
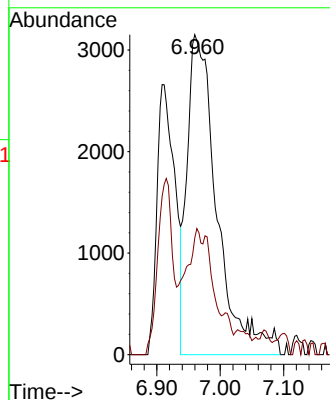
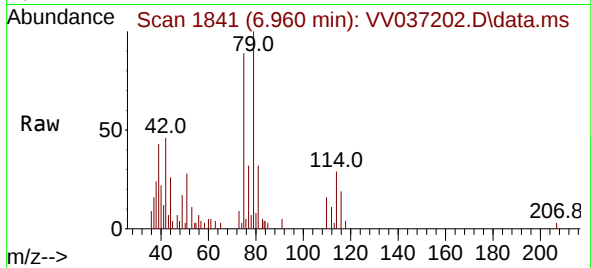
77 36.4 21.6 40.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024

Supervised By :Mahesh Dadoda 09/05/2024



#42

Toluene

Concen: 0.799 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.016 min

Lab File: VV037202.D

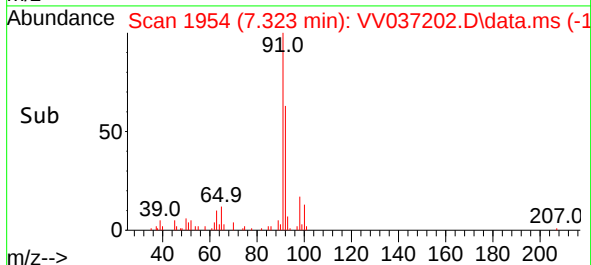
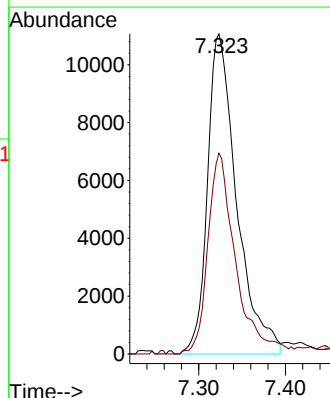
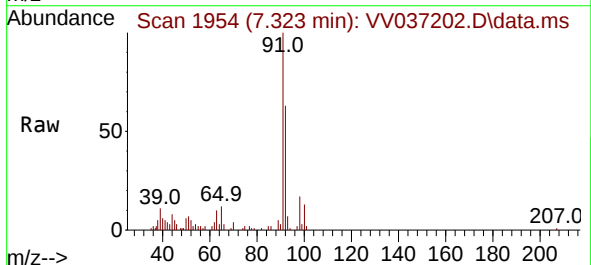
Acq: 04 Sep 2024 16:52

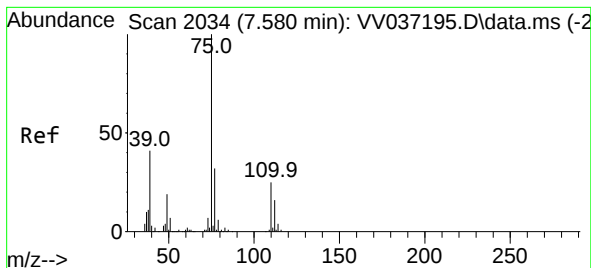
Tgt Ion: 91 Resp: 25917

Ion Ratio Lower Upper

91 100

92 62.7 39.7 73.7





#44

trans-1,3-Dichloropropene

Concen: 0.891 ug/L m

RT: 7.587 min Scan# 2034

Delta R.T. 0.010 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion: 75 Resp: 8830

Ion Ratio Lower Upper

75 100

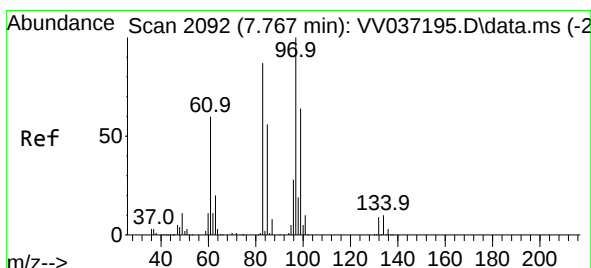
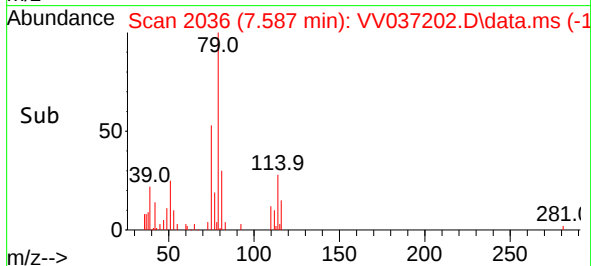
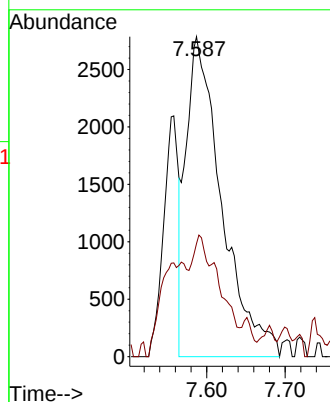
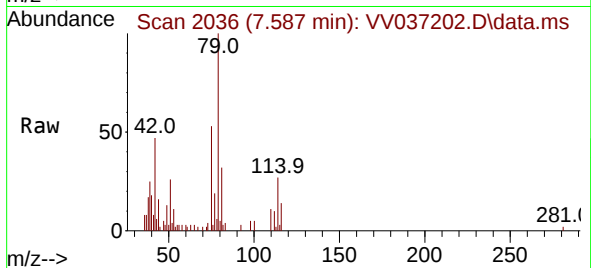
77 35.4 21.8 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024

Supervised By :Mahesh Dadoda 09/05/2024



#45

1,1,2-Trichloroethane

Concen: 0.823 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.010 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Tgt Ion: 97 Resp: 4957

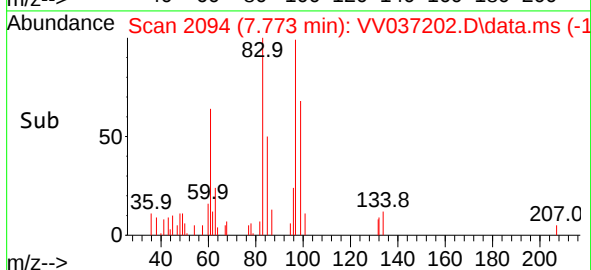
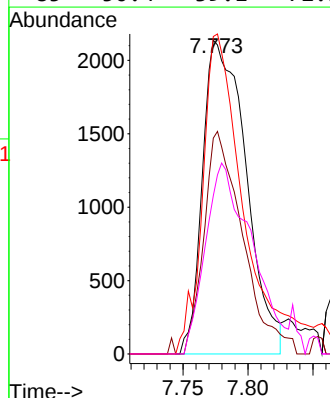
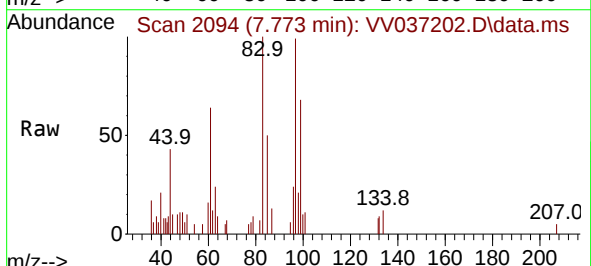
Ion Ratio Lower Upper

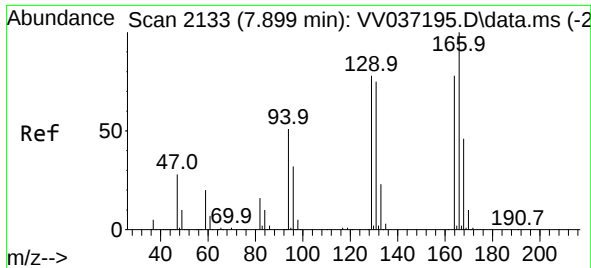
97 100

99 68.8 43.2 80.2

83 101.2 60.0 111.4

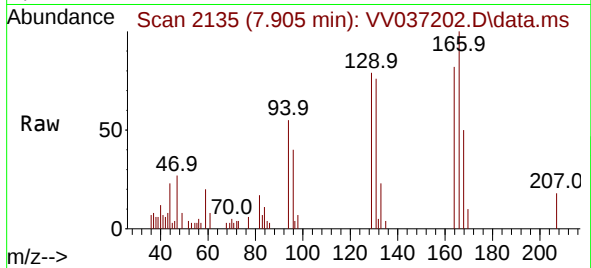
85 50.4 39.1 72.5





#46
Tetrachloroethene
Concen: 0.835 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.007 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

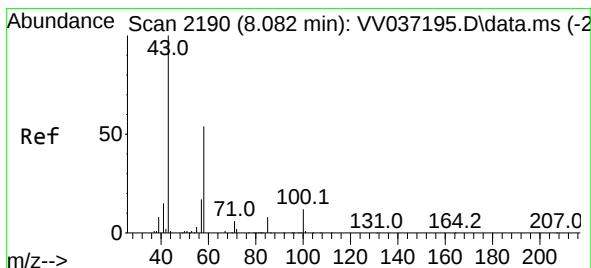
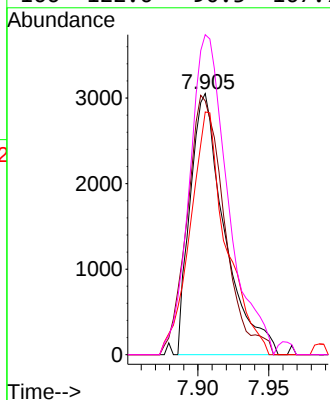
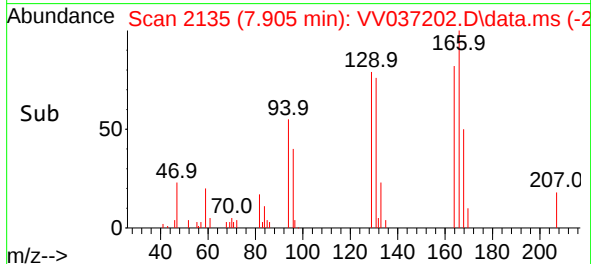
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



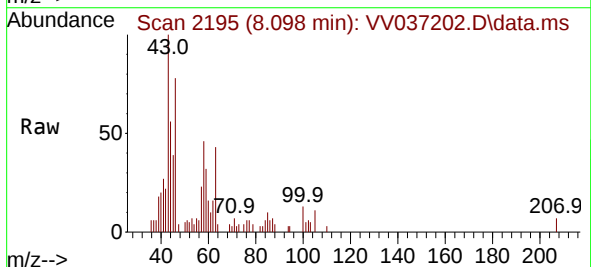
Tgt Ion	Ratio	Lower	Upper
164	100		
129	97.2	70.0	130.0
131	93.0	68.0	126.2
166	122.6	90.3	167.7

Manual Integrations
APPROVED

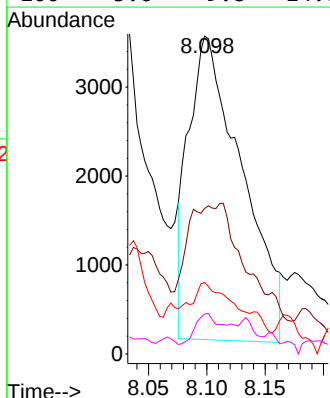
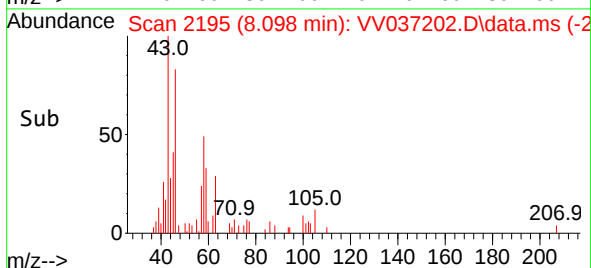
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024

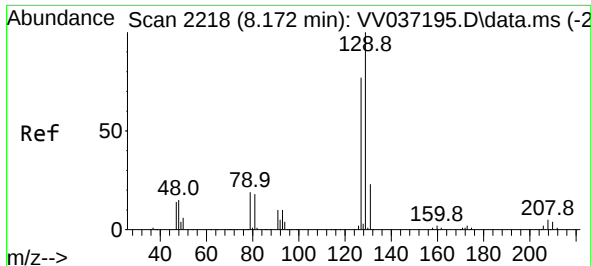


#48
2-Hexanone
Concen: 2.921 ug/L m
RT: 8.098 min Scan# 2195
Delta R.T. 0.019 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52



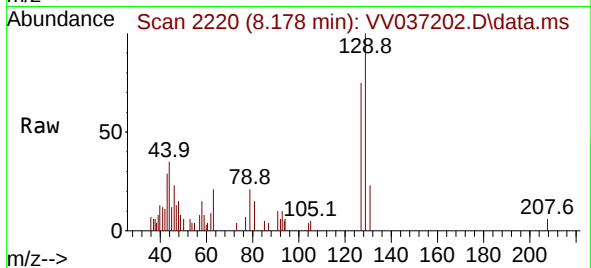
Tgt Ion	Ratio	Lower	Upper
43	100		
58	8.0	42.9	64.3#
57	7.6	14.6	21.8#
100	3.6	9.8	14.6#





#49
Dibromochloromethane
Concen: 0.865 ug/L
RT: 8.178 min Scan# 2218
Delta R.T. 0.010 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

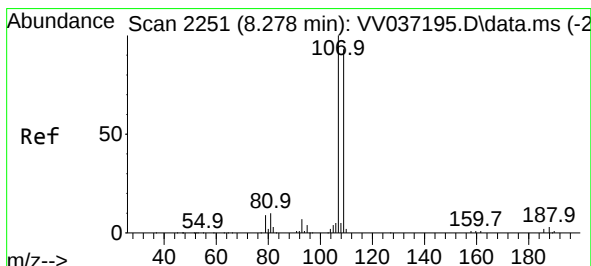
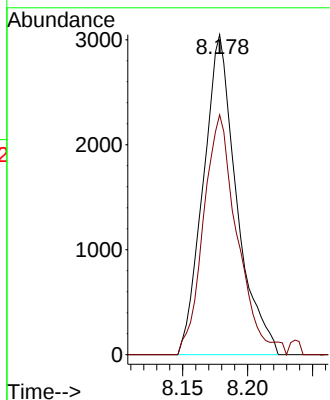
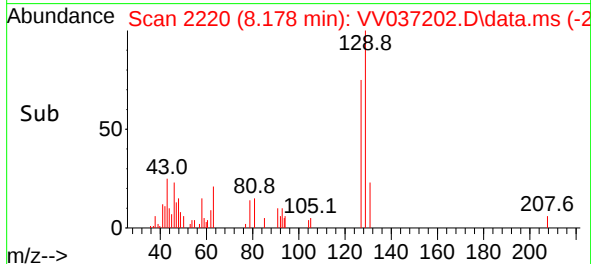
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



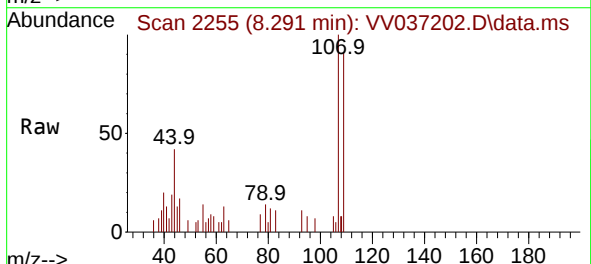
Tgt Ion:129 Resp: 5429
Ion Ratio Lower Upper
129 100
127 74.9 56.0 104.0

Manual Integrations
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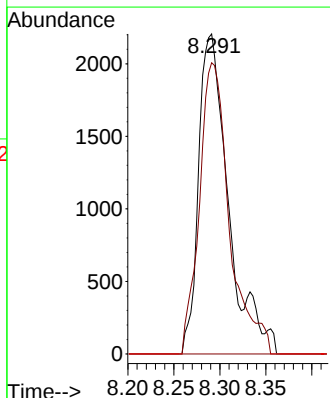
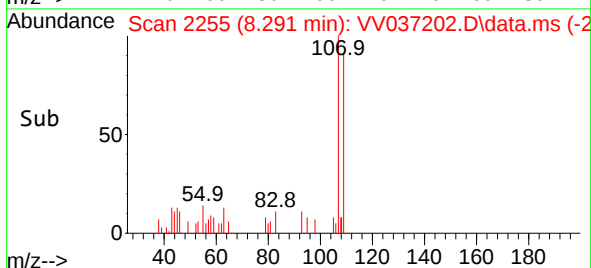
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024

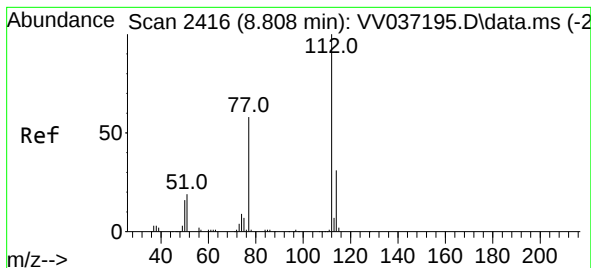


#50
1,2-Dibromoethane
Concen: 0.864 ug/L m
RT: 8.291 min Scan# 2255
Delta R.T. 0.013 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52



Tgt Ion:107 Resp: 4974
Ion Ratio Lower Upper
107 100
109 91.0 63.5 117.9
188 0.0 2.5 3.7#





#51

Chlorobenzene

Concen: 0.825 ug/L

RT: 8.818 min Scan# 2416

Delta R.T. 0.013 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

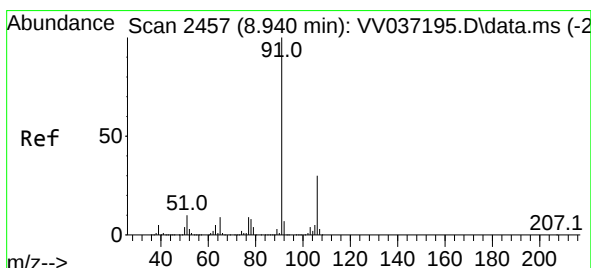
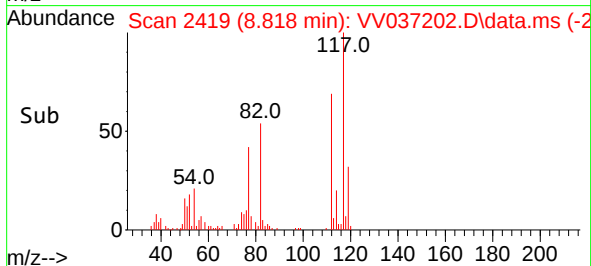
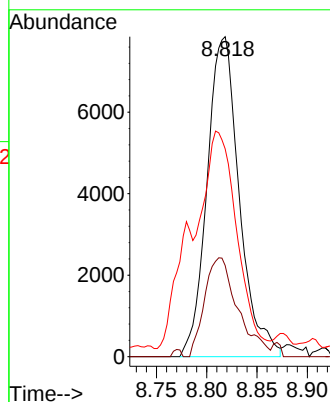
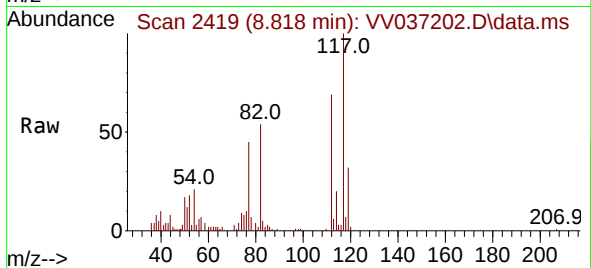
MDL-SOIL-QT3-2024-05

Tgt Ion:	112	Resp:	1751
Ion Ratio	Lower	Upper	
112	100		
114	28.5	22.4	41.6
77	65.0	47.5	71.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#52

Ethylbenzene

Concen: 0.729 ug/L

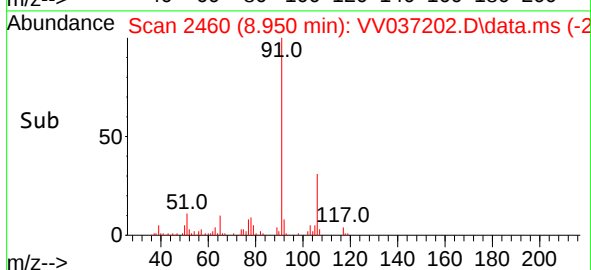
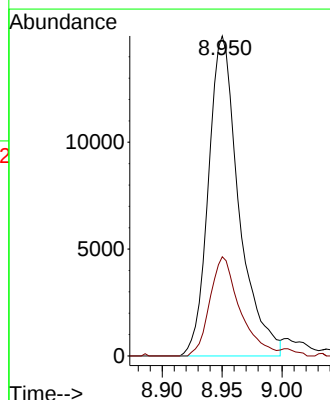
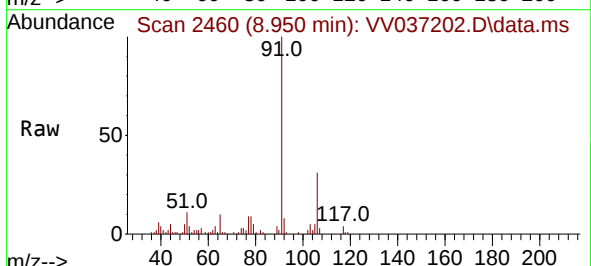
RT: 8.950 min Scan# 2460

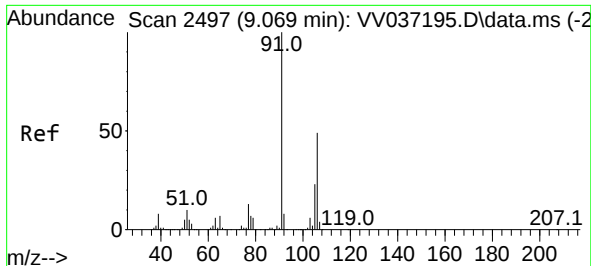
Delta R.T. 0.010 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

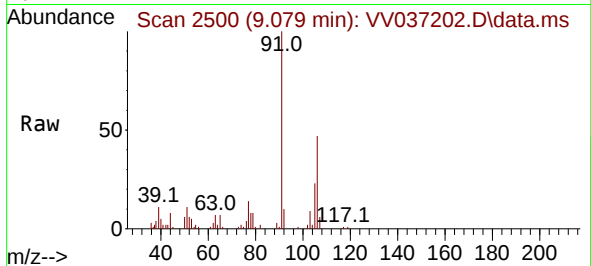
Tgt Ion:	91	Resp:	26501
Ion Ratio	Lower	Upper	
91	100		
106	31.0	21.5	39.9





#53
m,p-Xylene
Concen: 0.741 ug/L m
RT: 9.079 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

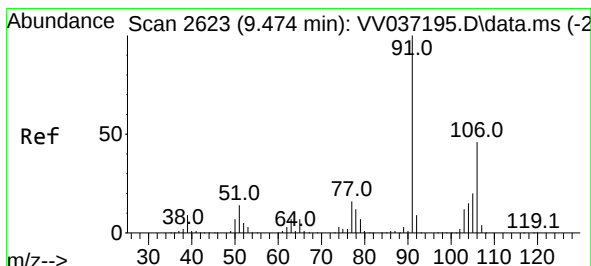
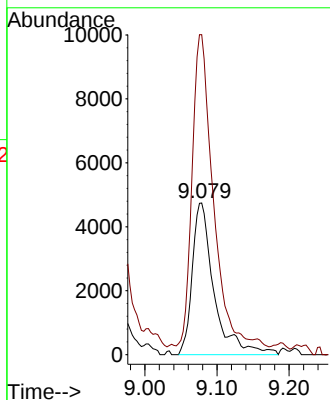
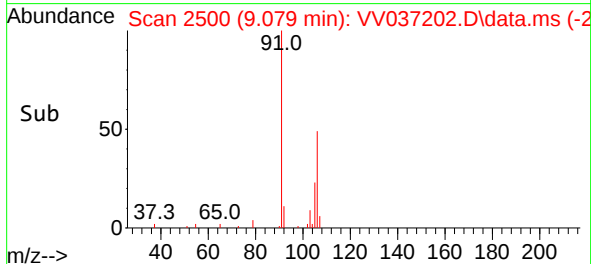
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:106 Resp: 998
Ion Ratio Lower Upper
106 100
91 211.0 141.6 263.0

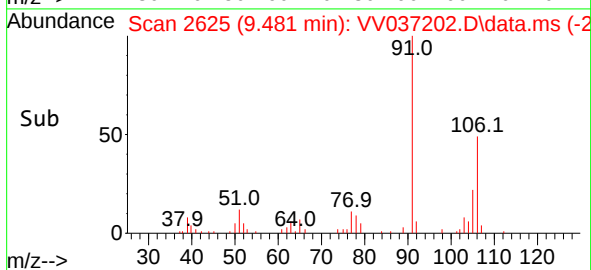
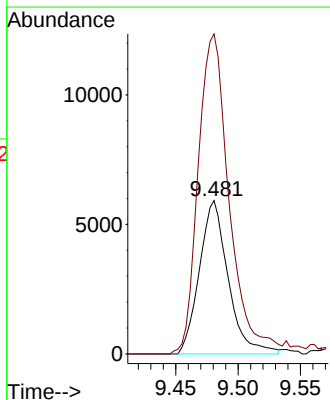
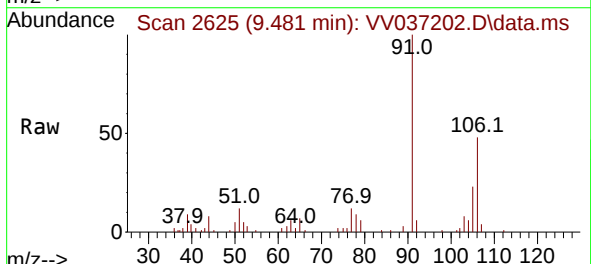
Manual Integrations
APPROVED

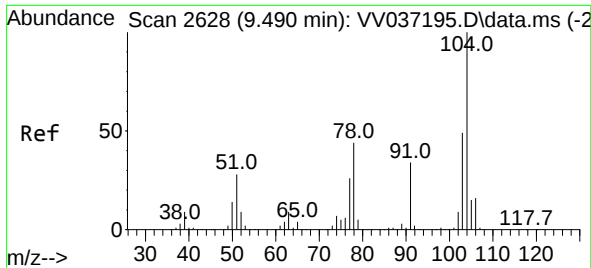
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#54
o-Xylene
Concen: 0.733 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.010 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

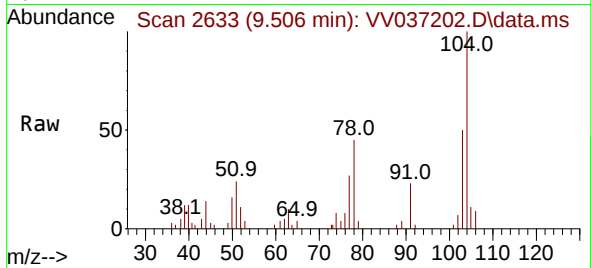
Tgt Ion:106 Resp: 9525
Ion Ratio Lower Upper
106 100
91 208.5 150.4 279.4





#55
Styrene
Concen: 0.726 ug/L m
RT: 9.506 min Scan# 2633
Delta R.T. 0.016 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

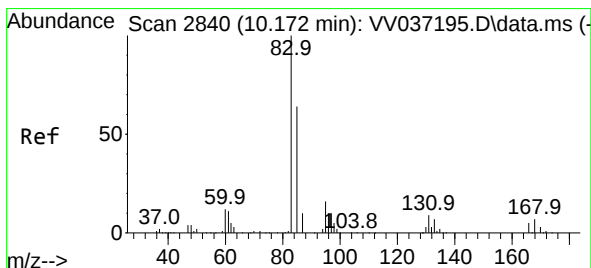
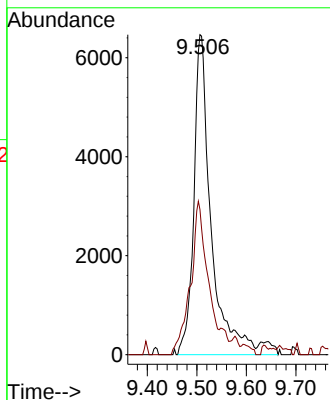
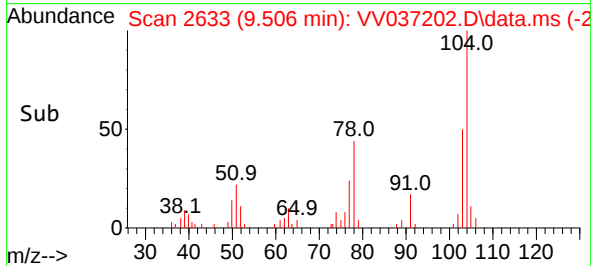
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



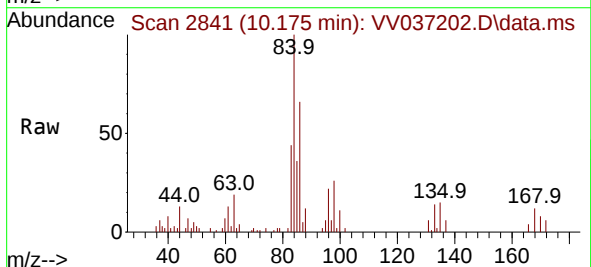
Tgt Ion:104 Resp: 15990
Ion Ratio Lower Upper
104 100
78 45.3 30.6 56.8

Manual Integrations
APPROVED

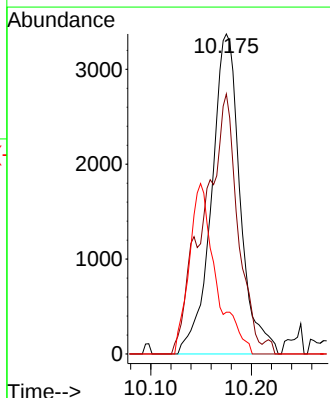
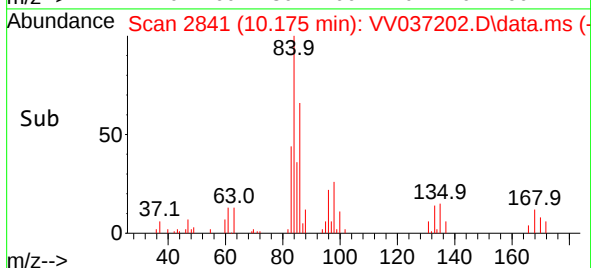
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024

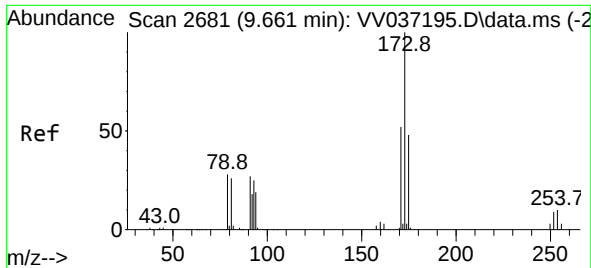


#57
1,1,2,2-Tetrachloroethane
Concen: 0.928 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52



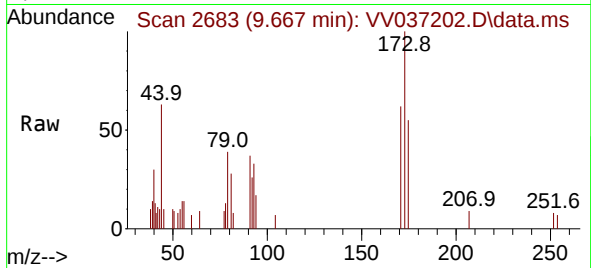
Tgt Ion: 83 Resp: 6667
Ion Ratio Lower Upper
83 100
85 81.2 44.9 83.3
131 13.1 7.1 10.7#





#59
Bromoform
Concen: 0.749 ug/L
RT: 9.667 min Scan# 2681
Delta R.T. 0.010 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

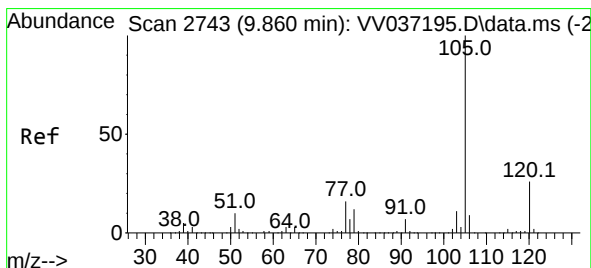
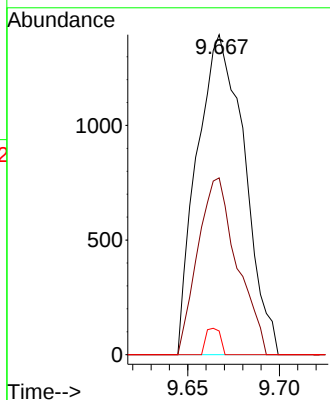
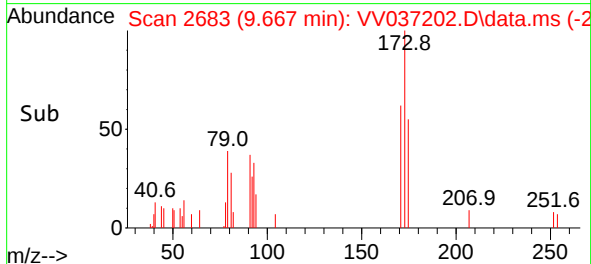
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



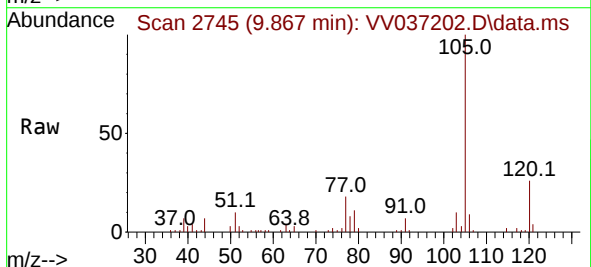
Tgt Ion:173 Resp: 2500
Ion Ratio Lower Upper
173 100
175 45.9 38.6 57.8
254 2.5 6.6 9.8

Manual Integrations
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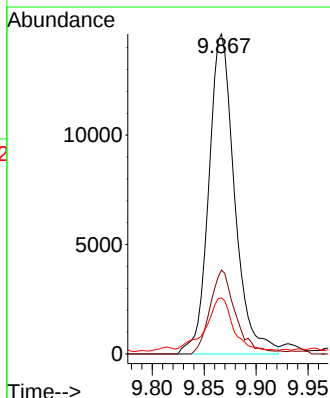
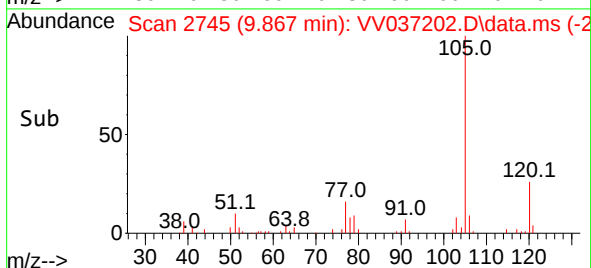
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024

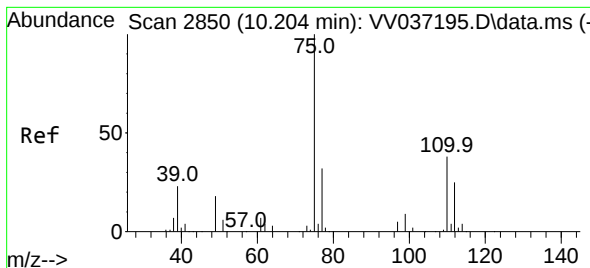


#60
Isopropylbenzene
Concen: 0.740 ug/L
RT: 9.867 min Scan# 2745
Delta R.T. 0.007 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52



Tgt Ion:105 Resp: 25303
Ion Ratio Lower Upper
105 100
120 24.9 20.6 31.0
77 16.1 12.4 18.6





#61

1,2,3-Trichloropropane

Concen: 0.916 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

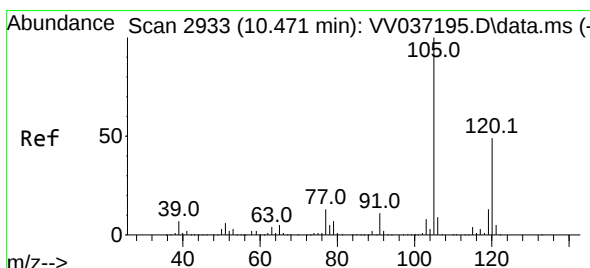
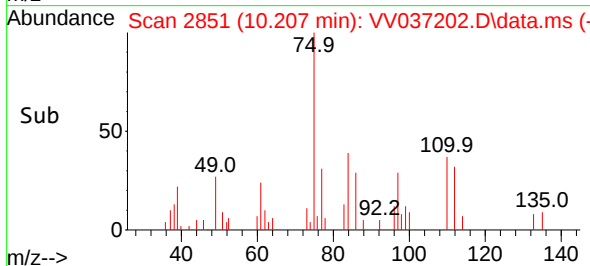
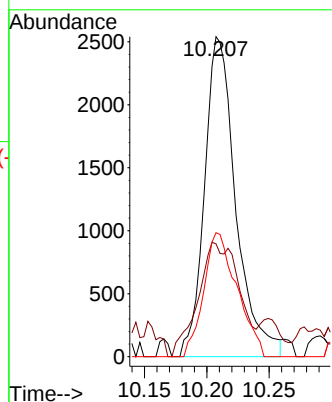
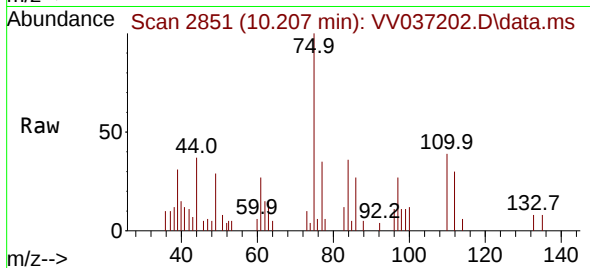
MDL-SOIL-QT3-2024-05

Tgt Ion: 75	Resp: 444
Ion Ratio	Lower Upper
75 100	
77 29.5	24.6 36.8
110 41.2	30.8 46.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#62

1,3,5-Trimethylbenzene

Concen: 0.719 ug/L

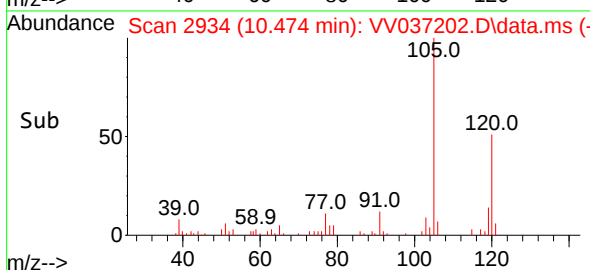
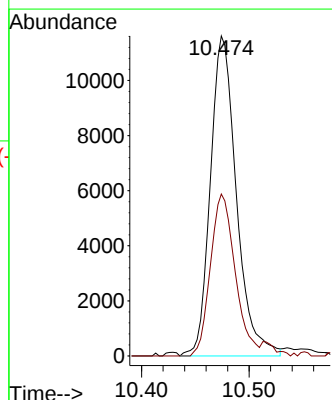
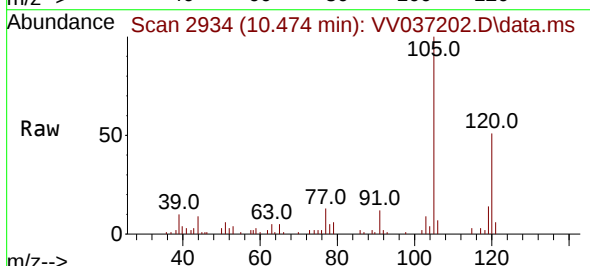
RT: 10.474 min Scan# 2934

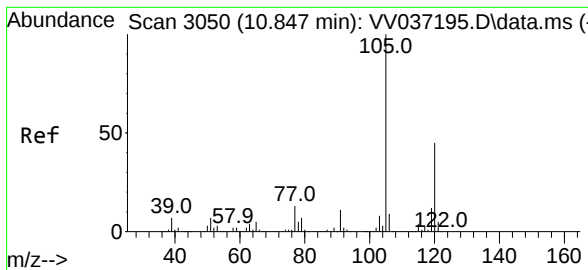
Delta R.T. 0.003 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

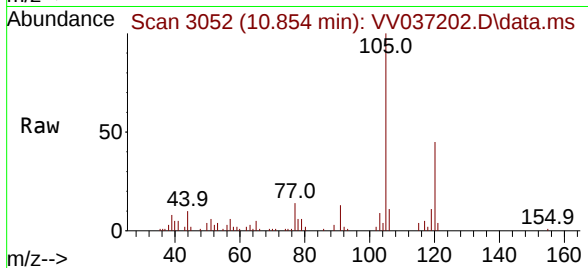
Tgt Ion:105	Resp: 19541
Ion Ratio	Lower Upper
105 100	
120 47.9	38.7 58.1





#63
1,2,4-Trimethylbenzene
Concen: 0.709 ug/L m
RT: 10.854 min Scan# 3050
Delta R.T. 0.010 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

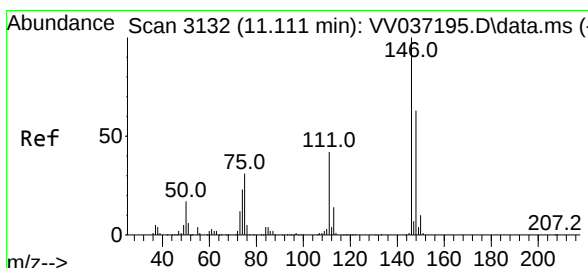
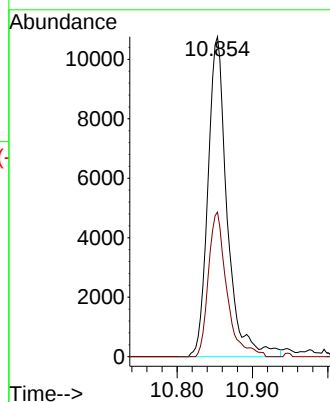
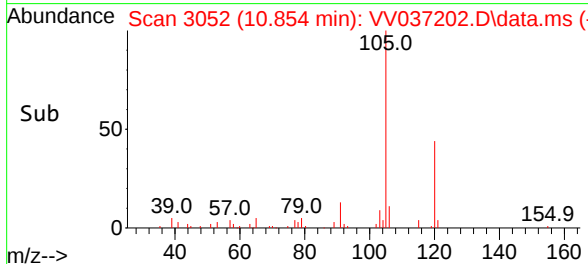
Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



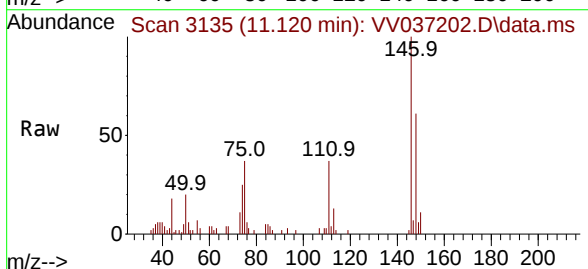
Tgt Ion:105 Resp: 1910
Ion Ratio Lower Upper
105 100
120 41.6 35.8 53.6

Manual Integrations
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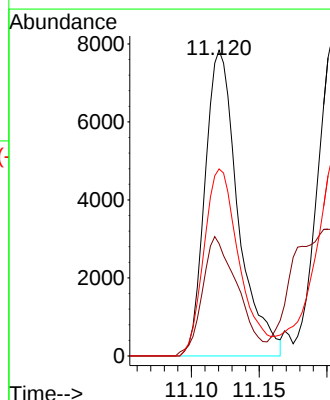
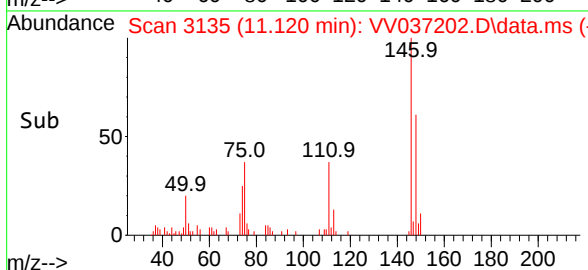
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024

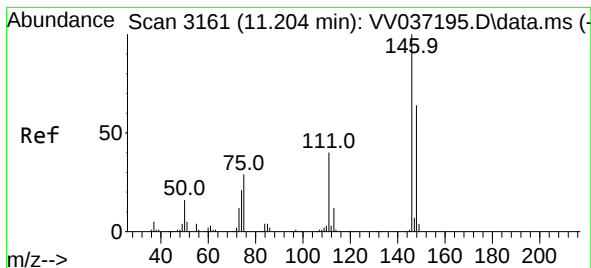


#64
1,3-Dichlorobenzene
Concen: 0.853 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.010 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52



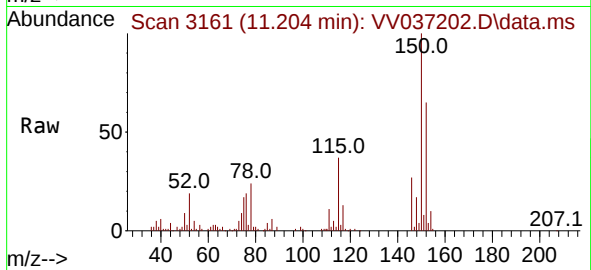
Tgt Ion:146 Resp: 13304
Ion Ratio Lower Upper
146 100
111 36.7 29.7 55.1
148 61.1 45.0 83.6





#65
1,4-Dichlorobenzene
Concen: 0.979 ug/L m
RT: 11.204 min Scan# 3161
Delta R.T. 0.000 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

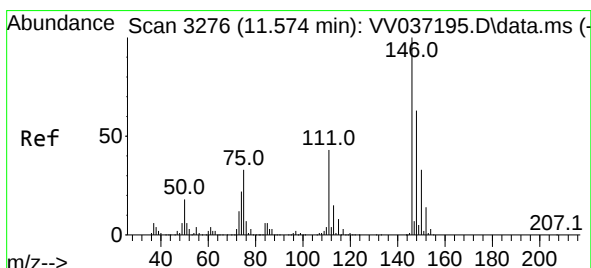
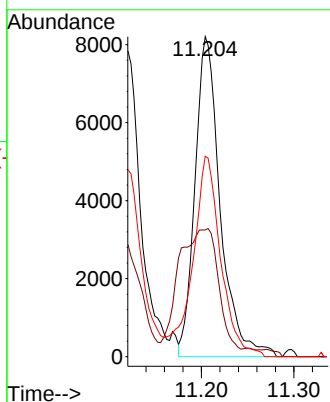
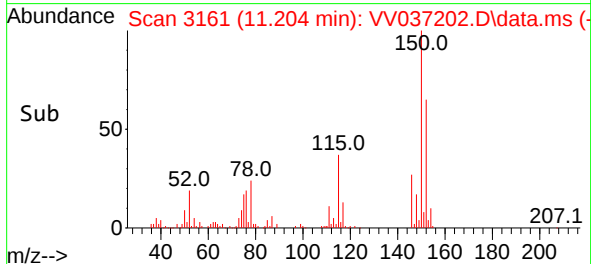
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:146 Resp: 15570
Ion Ratio Lower Upper
146 100
111 39.6 27.6 51.4
148 62.7 43.3 80.5

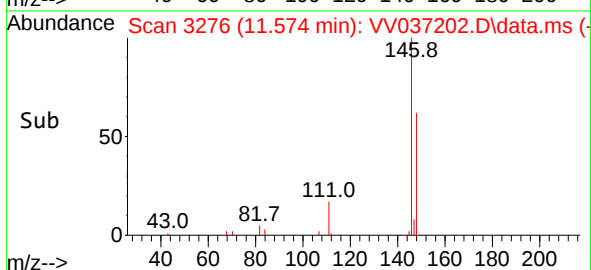
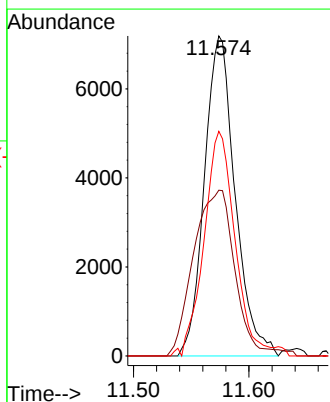
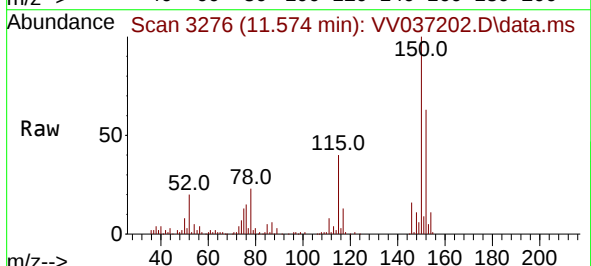
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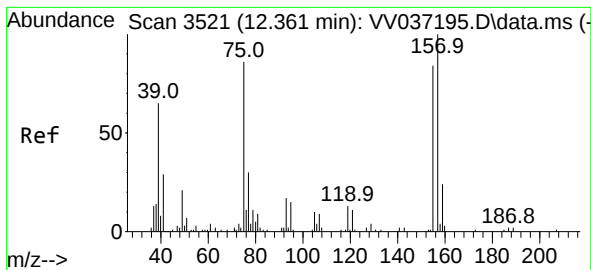
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024



#67
1,2-Dichlorobenzene
Concen: 0.918 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.000 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

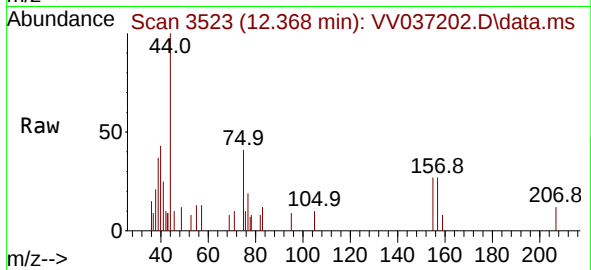
Tgt Ion:146 Resp: 13281
Ion Ratio Lower Upper
146 100
111 51.8 34.1 51.1#
148 70.2 51.8 77.6





#68
1,2-Dibromo-3-chloropropane
Concen: 0.878 ug/L m
RT: 12.368 min Scan# 3521
Delta R.T. 0.010 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52

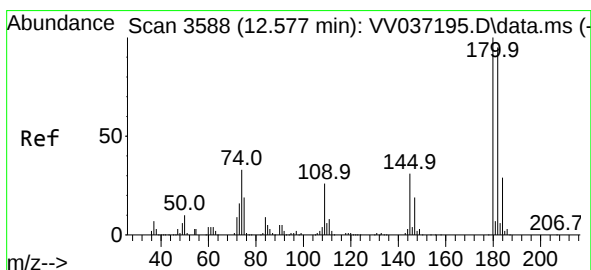
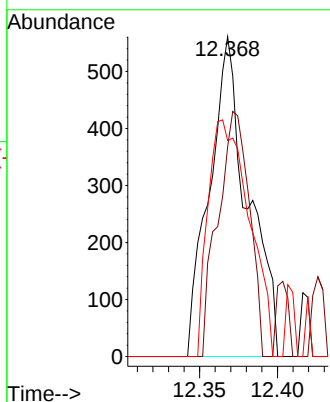
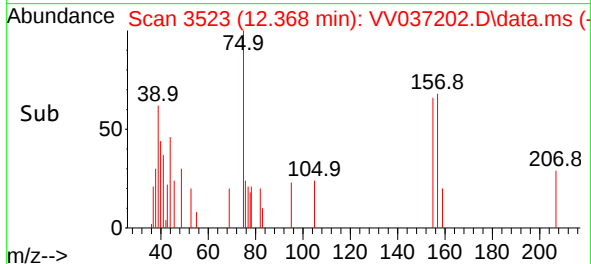
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



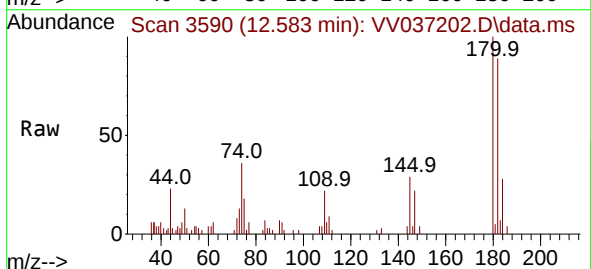
Tgt Ion: 75 Resp: 962
Ion Ratio Lower Upper
75 100
155 65.6 65.6 98.4
157 67.6 76.9 115.3

Manual Integrations
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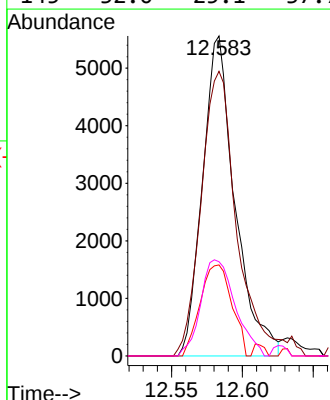
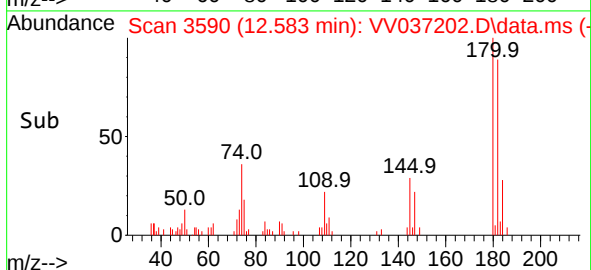
Reviewed By :Semsettin Yesilyurt 09/05/2024
Supervised By :Mahesh Dadoda 09/05/2024

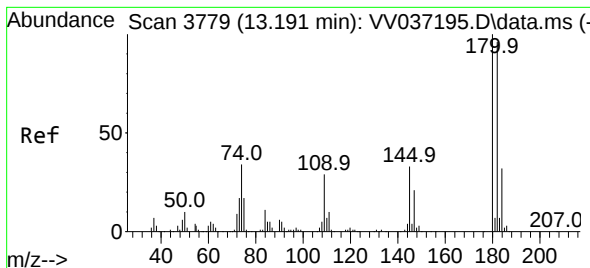


#69
1,3,5-Trichlorobenzene
Concen: 0.799 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.007 min
Lab File: VV037202.D
Acq: 04 Sep 2024 16:52



Tgt Ion:180 Resp: 8844
Ion Ratio Lower Upper
180 100
182 96.1 74.6 111.8
184 27.8 23.8 35.8
145 32.0 25.1 37.7





#70

1,2,4-trichlorobenzene

Concen: 0.864 ug/L

RT: 13.198 min Scan# 3779

Delta R.T. 0.007 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

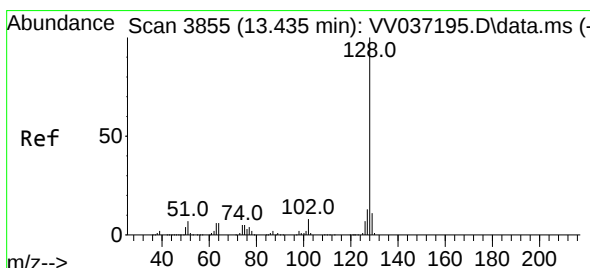
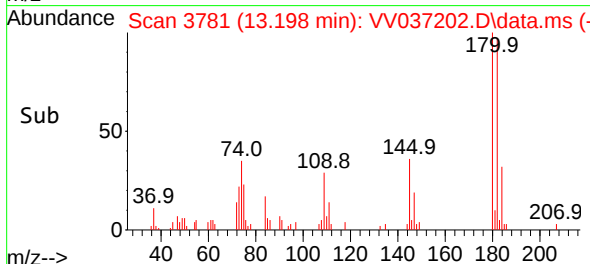
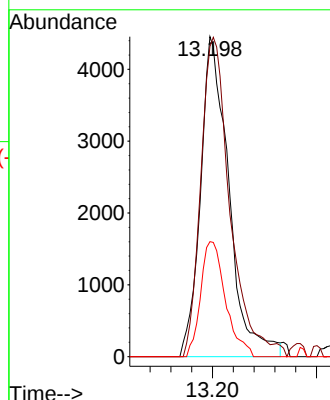
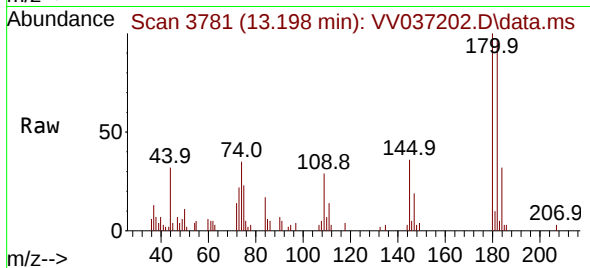
Tgt Ion:180	Resp:	8430
Ion Ratio	Lower	Upper
180	100	
182	101.4	74.9 112.3
145	31.5	25.4 38.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/05/2024

Supervised By :Mahesh Dadoda 09/05/2024



#71

Naphthalene

Concen: 1.011 ug/L

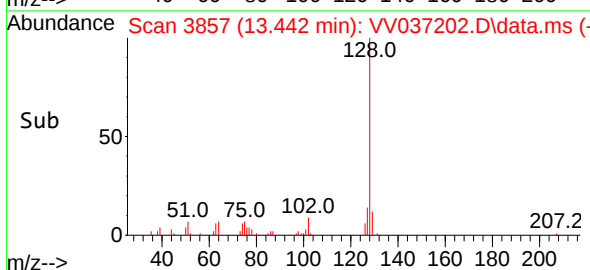
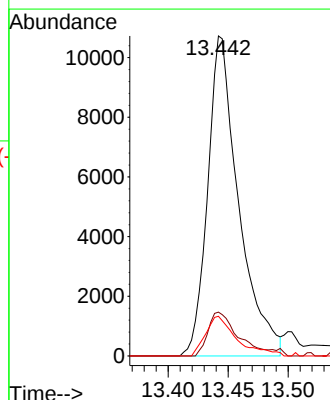
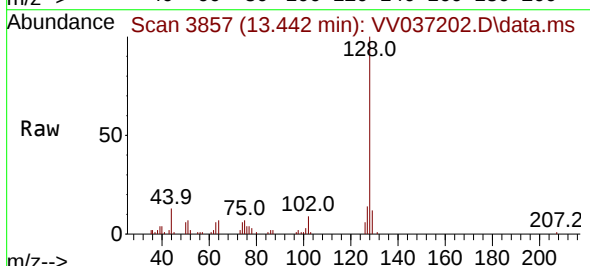
RT: 13.442 min Scan# 3857

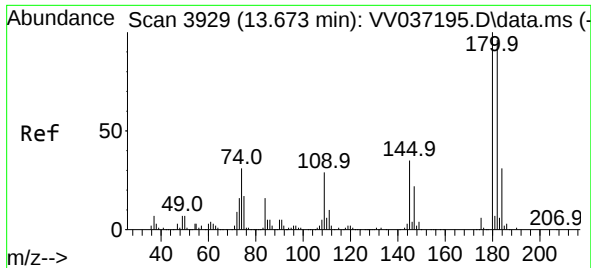
Delta R.T. 0.010 min

Lab File: VV037202.D

Acq: 04 Sep 2024 16:52

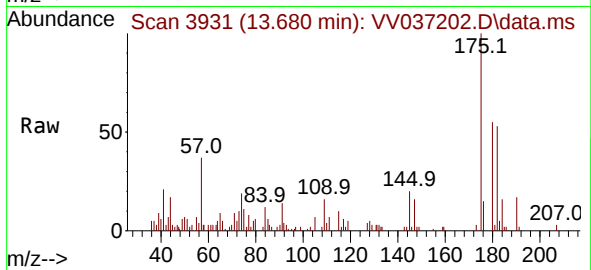
Tgt Ion:128	Resp:	19265
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.5 15.7
129	12.4	8.2 12.2#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.888 ug/L
 RT: 13.680 min Scan# 3929
 Delta R.T. 0.007 min
 Lab File: VV037202.D
 Acq: 04 Sep 2024 16:52

Instrument : MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-05



Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	78.0	117.0
145	38.7	27.9	41.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024
 Supervised By :Mahesh Dadoda 09/05/2024

