

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041023\
 Data File : VX034995.D
 Acq On : 10 Apr 2023 15:15
 Operator : JC/MD
 Sample : 02215-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Apr 11 05:50:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 05:31:31 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2023
 Supervised By : Semsettin Yesilyurt 04/11/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	504916	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	441087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	207983	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	142560	42.390	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.780%		
7) Chloroethane-d5	1.672	69	110339	44.794	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.580%		
11) 1,1-Dichloroethene-d2	2.306	63	225924	33.141	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.280%		
21) 2-Butanone-d5	4.465	46	221609	99.146	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.150%		
24) Chloroform-d	5.050	84	278816	43.505	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.020%		
26) 1,2-Dichloroethane-d4	5.952	65	203393	46.232	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.460%		
32) Benzene-d6	5.970	84	567285	46.071	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.140%		
36) 1,2-Dichloropropane-d6	7.306	67	178620	47.156	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.320%		
41) Toluene-d8	8.647	98	509715	45.195	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.400%		
43) trans-1,3-Dichloroprop...	8.952	79	72493	41.675	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.360%		
47) 2-Hexanone-d5	9.384	63	148214	97.898	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.900%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	217931	46.297	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.600%		
66) 1,2-Dichlorobenzene-d4	12.323	152	180633	47.330	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11711	2.671	ug/L	97
3) Chloromethane	1.294	50	11322	2.747	ug/L	98
5) Vinyl chloride	1.374	62	11357	2.719	ug/L #	82
6) Bromomethane	1.617	94	6732	2.852	ug/L	91
8) Chloroethane	1.691	64	6235	2.652	ug/L	89
9) Trichlorofluoromethane	1.886	101	15088	2.596	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	12279	3.405	ug/L	86
12) 1,1-Dichloroethene	2.319	96	9881	3.078	ug/L #	1
13) Acetone	2.398	43	13076	5.917	ug/L	98
14) Carbon disulfide	2.514	76	20687	2.397	ug/L	98
15) Methyl Acetate	2.709	43	11157	2.941	ug/L	100
16) Methylene chloride	2.794	84	11546	3.278	ug/L	93
17) trans-1,2-Dichloroethene	3.087	96	8606	2.607	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	31955	2.769	ug/L	99
19) 1,1-Dichloroethane	3.605	63	17397	2.647	ug/L	99
20) cis-1,2-Dichloroethene	4.477	96	10033	2.657	ug/L	86
22) 2-Butanone	4.586	43	16419m	5.816	ug/L	
23) Bromochloromethane	4.904	128	4794	2.566	ug/L	79
25) Chloroform	5.093	83	22334	3.313	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	15643	2.740	ug/L	97
29) Cyclohexane	5.470	56	16711	2.755	ug/L	98
30) 1,1,1-Trichloroethane	5.385	97	14582	2.500	ug/L	99
31) Carbon tetrachloride	5.672	117	12216	2.430	ug/L	99
33) Benzene	6.037	78	39254	2.791	ug/L	100
34) Trichloroethene	7.129	95	9677	2.552	ug/L	90
35) Methylcyclohexane	7.379	83	14960	2.736	ug/L	99
37) 1,2-Dichloropropane	7.434	63	9931	2.664	ug/L	99
38) Bromodichloromethane	7.824	83	11216	2.378	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	14381	2.525	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	26669	5.385	ug/L	99
42) Toluene	8.720	91	39450	2.708	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	13363m	2.548	ug/L	
45) 1,1,2-Trichloroethane	9.153	97	9929	2.857	ug/L	96
46) Tetrachloroethene	9.275	164	7505	2.656	ug/L	93
48) 2-Hexanone	9.433	43	23135	5.959	ug/L	97
49) Dibromochloromethane	9.519	129	8001	2.340	ug/L	97
50) 1,2-Dibromoethane	9.610	107	9807	2.689	ug/L #	94
51) Chlorobenzene	10.079	112	25404	2.705	ug/L	96
52) Ethylbenzene	10.195	91	43600	2.637	ug/L	99
53) m,p-Xylene	10.299	106	16461	2.642	ug/L	98
54) o-Xylene	10.640	106	15630	2.547	ug/L	87
55) Styrene	10.659	104	24729	2.403	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	15189	2.943	ug/L #	97
59) Bromoform	10.799	173	4751	2.143	ug/L	99
60) Isopropylbenzene	10.963	105	41578	2.737	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	11390	2.856	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	32856	2.609	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	33013	2.655	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	18701	2.764	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	19742	2.886	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	18653	2.798	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.945	75	2344	2.296	ug/L	90
69) 1,3,5-Trichlorobenzene	13.115	180	11274	2.664	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	10813	2.747	ug/L	97
71) Naphthalene	13.774	128	33423	2.484	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	10641	2.692	ug/L	100

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

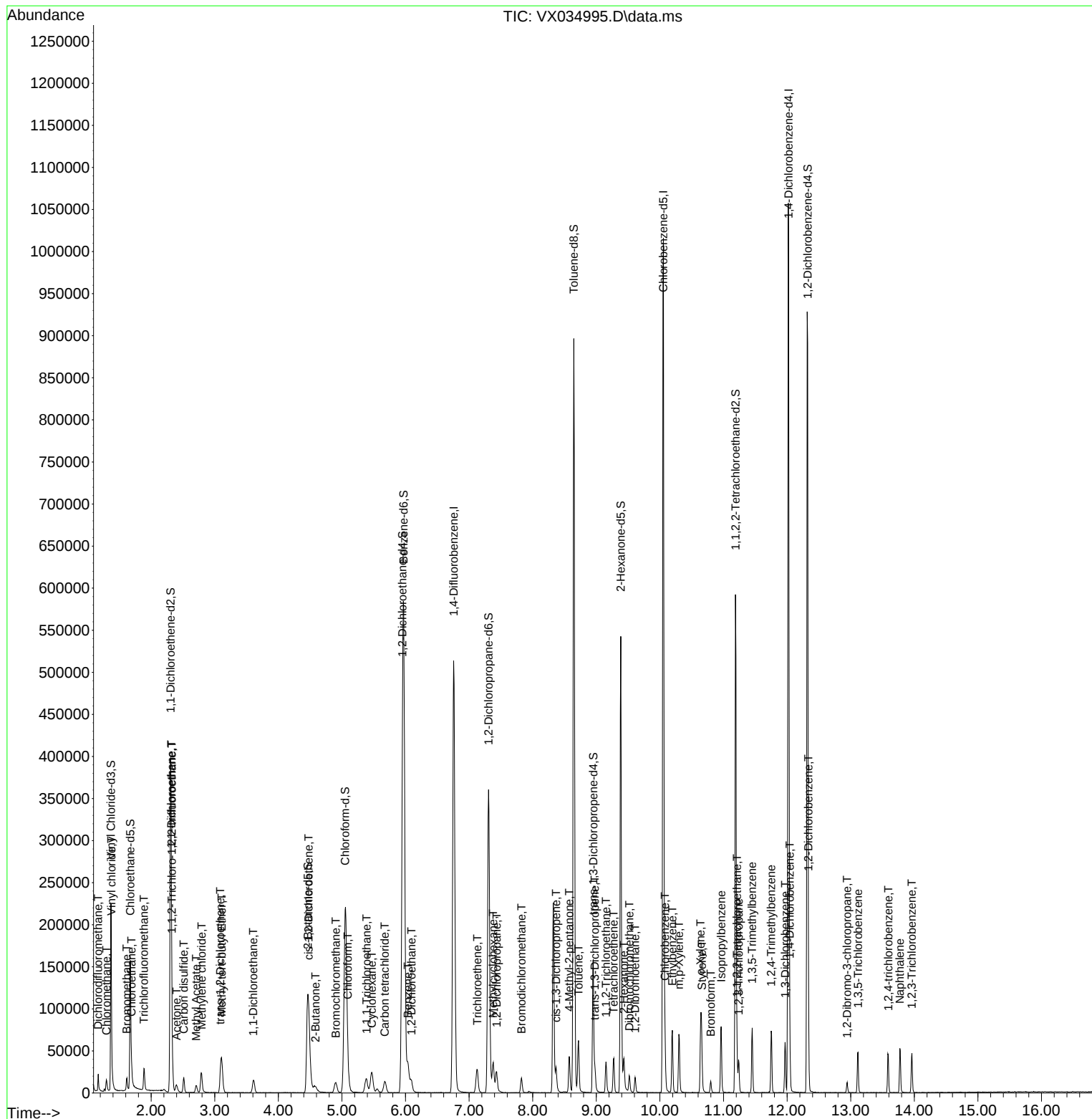
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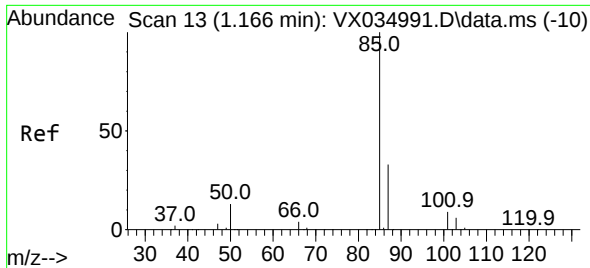
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Manual Integrations APPROVED

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Supervised By :Semsettin Yesilyurt 04/11/2023

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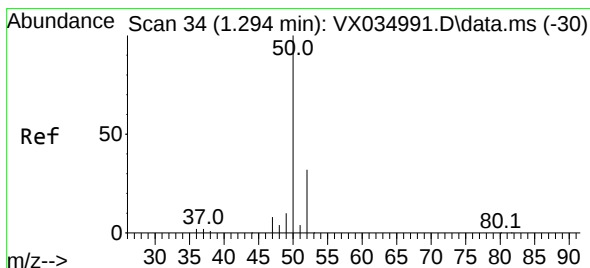
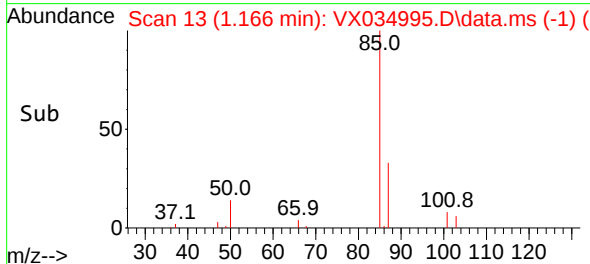
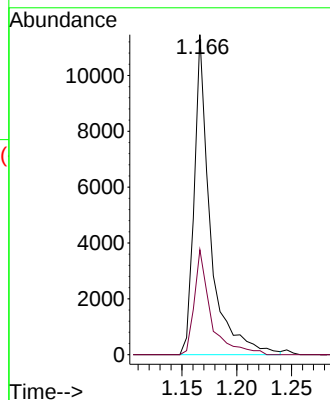
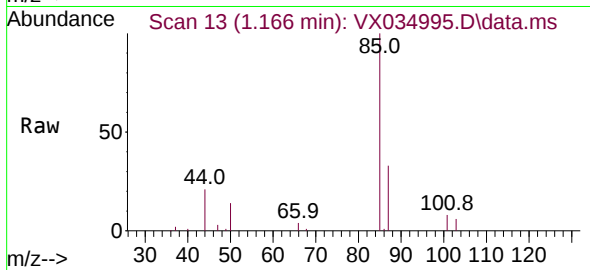
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Dichlorodifluoromethane
Concen: 2.671 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 85 Resp: 1171
Ion Ratio Lower Upper
85 100
87 33.6 25.7 38.5

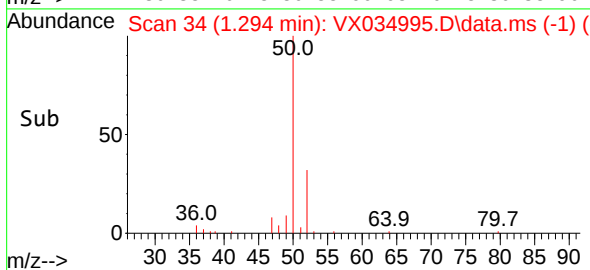
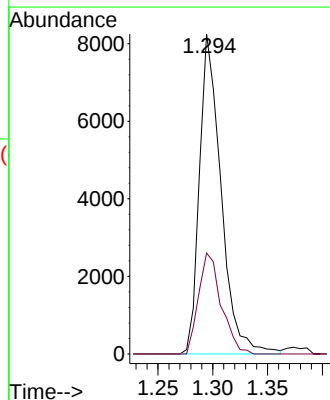
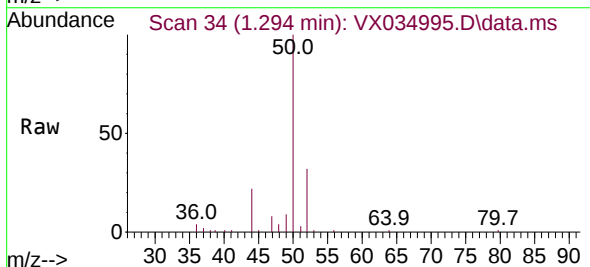
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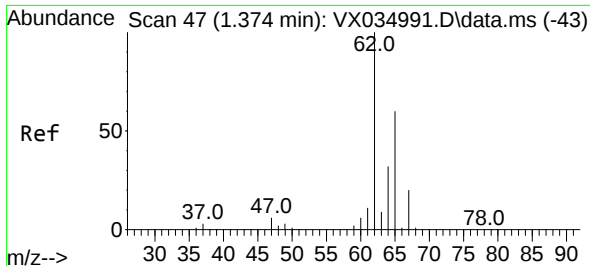
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#3
Chloromethane
Concen: 2.747 ug/L
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

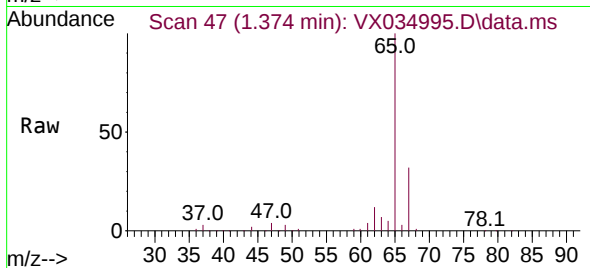
Tgt Ion: 50 Resp: 11322
Ion Ratio Lower Upper
50 100
52 31.6 22.9 42.5





#5
 Vinyl chloride
 Concen: 2.719 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX034995.D
 Acq: 10 Apr 2023 15:15

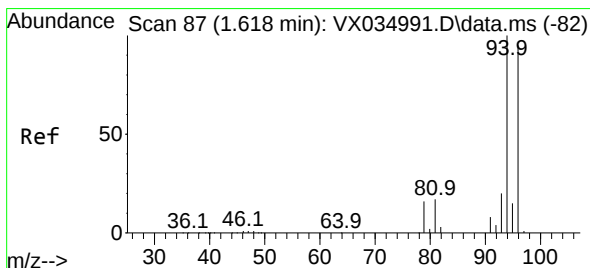
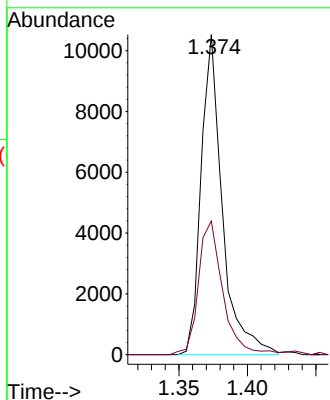
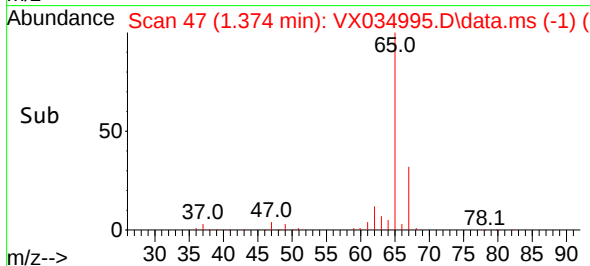
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion: 62 Resp: 1135
 Ion Ratio Lower Upper
 62 100
 64 41.8 22.3 41.3

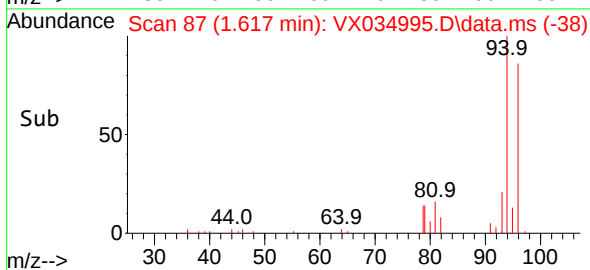
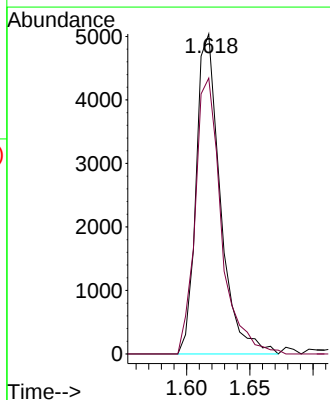
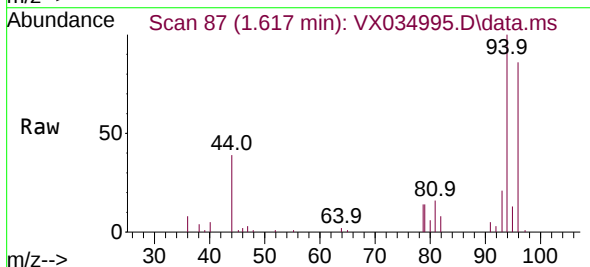
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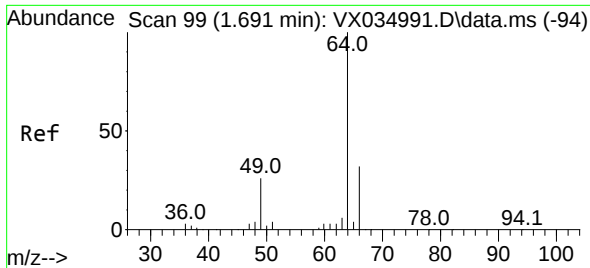
Reviewed By :John Carlone 04/11/2023
 Supervised By :Semsettin Yesilyurt 04/11/2023



#6
 Bromomethane
 Concen: 2.852 ug/L
 RT: 1.617 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX034995.D
 Acq: 10 Apr 2023 15:15

Tgt Ion: 94 Resp: 6732
 Ion Ratio Lower Upper
 94 100
 96 86.2 66.6 123.6





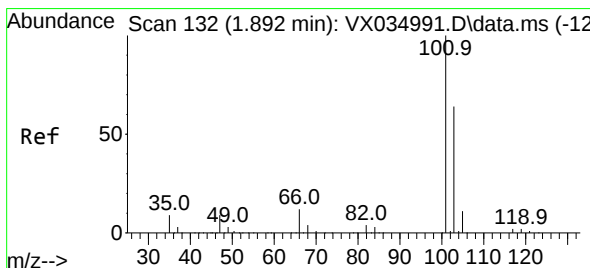
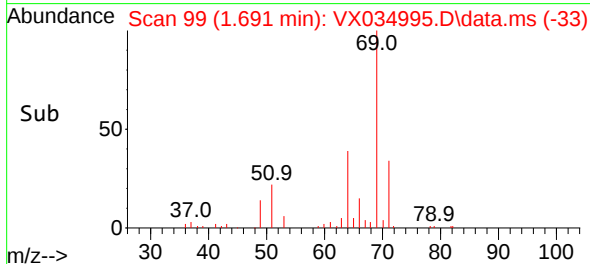
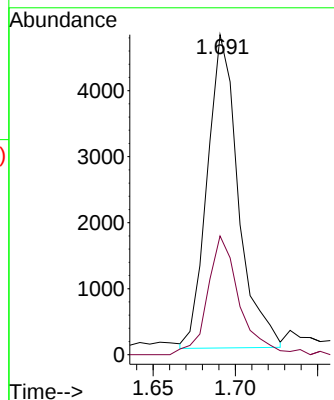
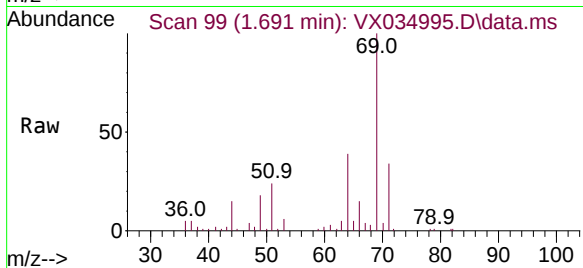
#8
Chloroethane
Concen: 2.652 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 64 Resp: 623
Ion Ratio Lower Upper
64 100
66 37.1 21.8 40.4

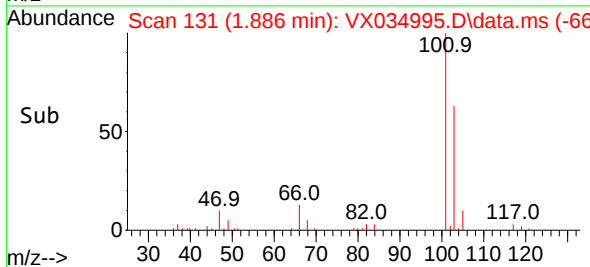
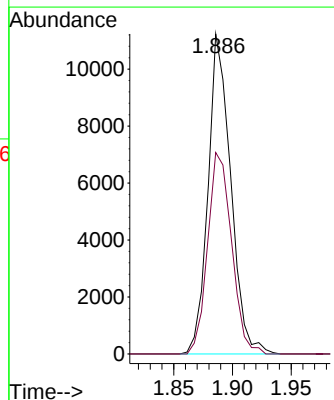
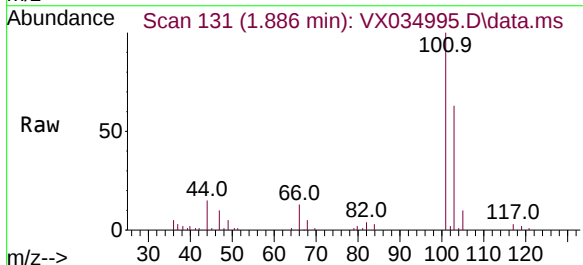
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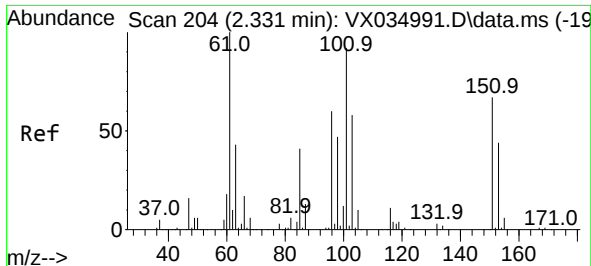
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#9
Trichlorofluoromethane
Concen: 2.596 ug/L
RT: 1.886 min Scan# 131
Delta R.T. -0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion:101 Resp: 15088
Ion Ratio Lower Upper
101 100
103 66.5 51.9 77.9





#10

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

Concen: 3.405 ug/L

RT: 2.325 min Scan# 204

Delta R.T. -0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

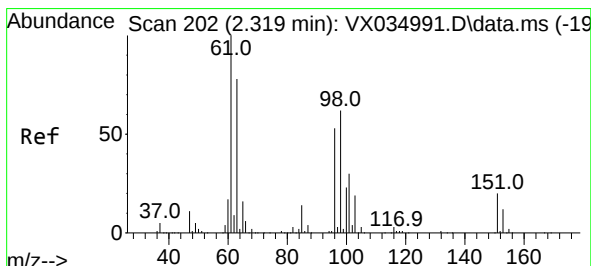
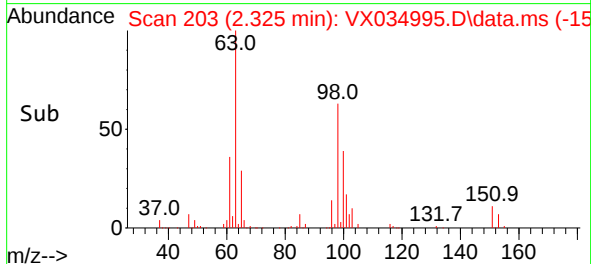
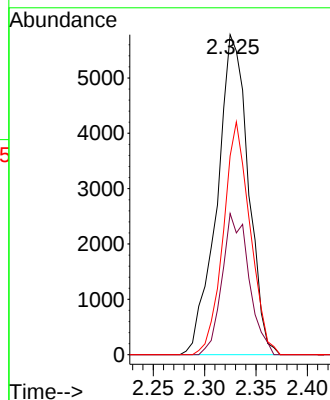
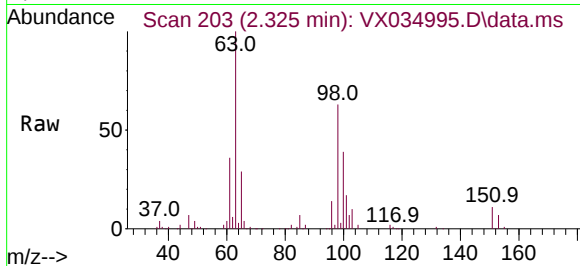
Tgt Ion:	101	Resp:	12279
Ion Ratio	Lower	Upper	
101	100		
85	37.6	36.4	54.6
151	62.1	59.7	89.5

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#12

1,1-Dichloroethene

Concen: 3.078 ug/L

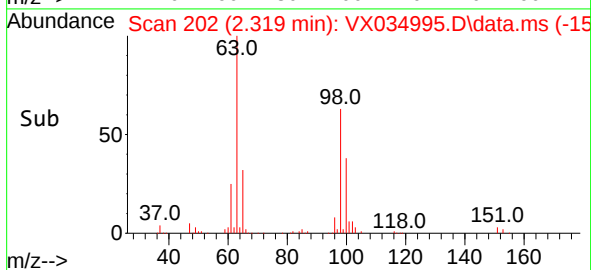
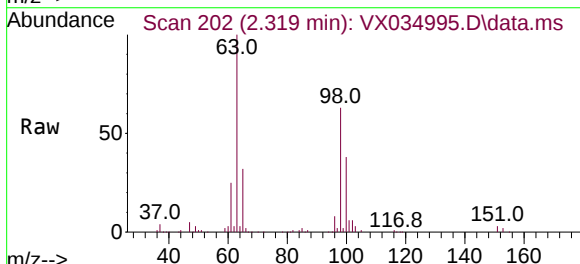
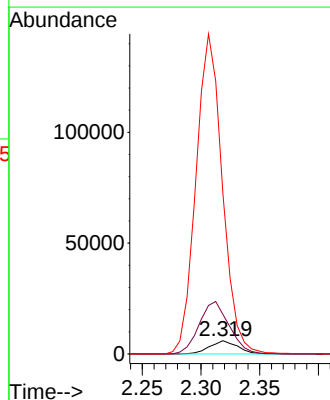
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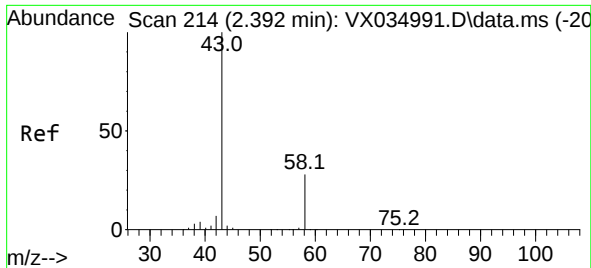
Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Tgt Ion:	96	Resp:	9881
Ion Ratio	Lower	Upper	
96	100		
61	298.6	132.4	245.8#
63	1209.9	105.5	195.9#





#13

Acetone

Concen: 5.917 ug/L

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

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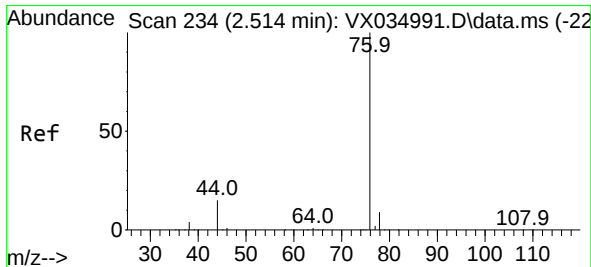
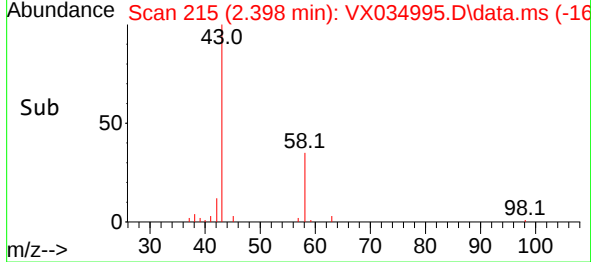
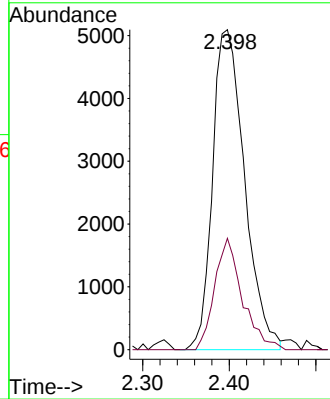
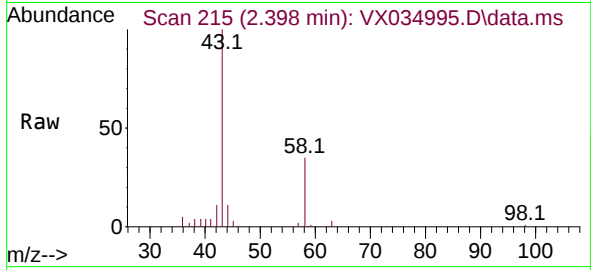
Tgt Ion: 43 Resp: 13070
 Ion Ratio Lower Upper
 43 100
 58 29.7 0.0 57.4

Manual Integrations

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#14

Carbon disulfide

Concen: 2.397 ug/L

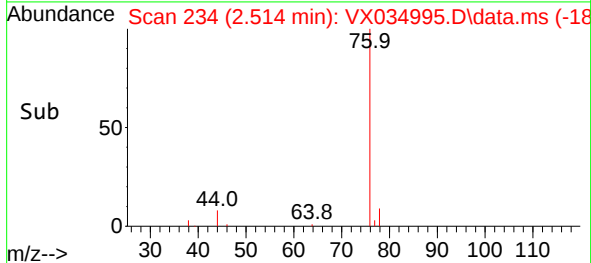
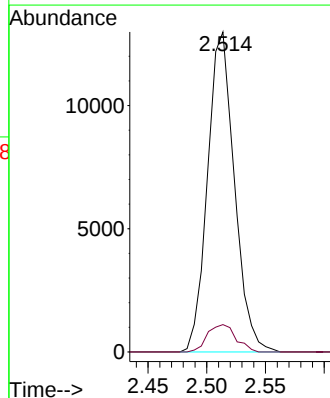
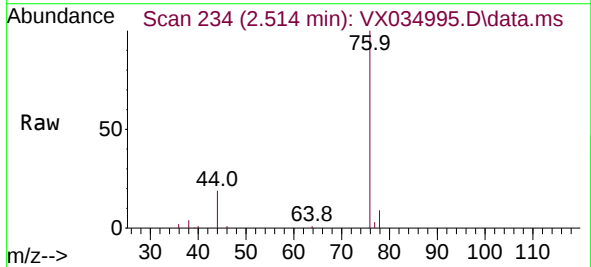
RT: 2.514 min Scan# 234

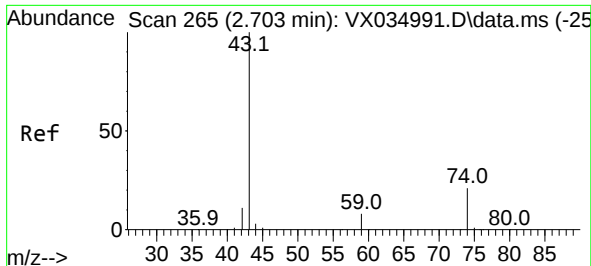
Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Tgt Ion: 76 Resp: 20687
 Ion Ratio Lower Upper
 76 100
 78 8.5 7.4 11.2





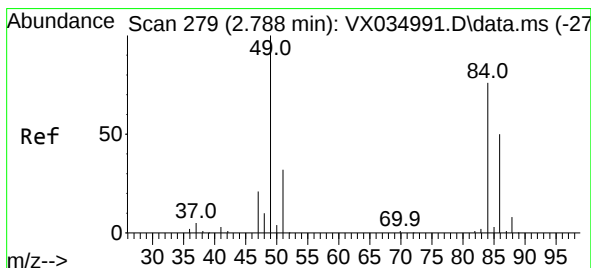
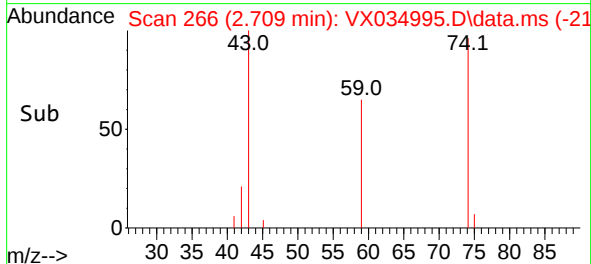
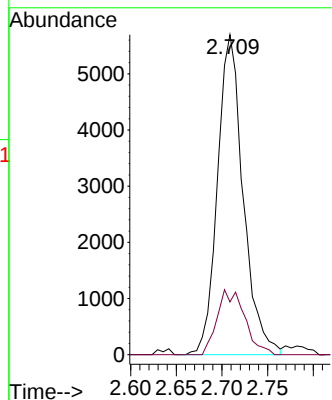
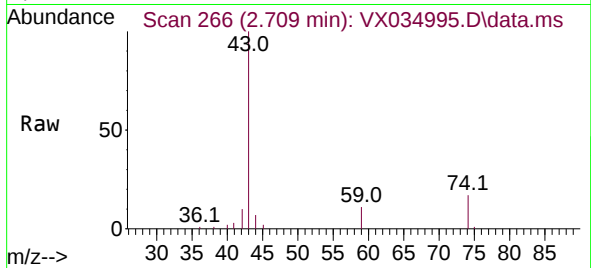
#15
Methyl Acetate
Concen: 2.941 ug/L
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 43 Resp: 1115
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3

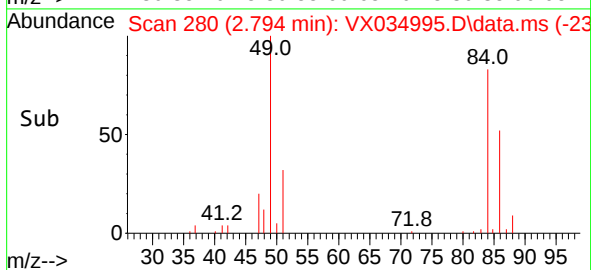
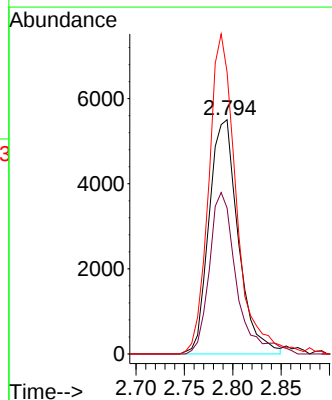
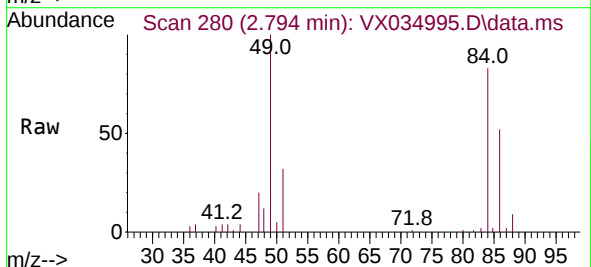
Manual Integrations
APPROVED

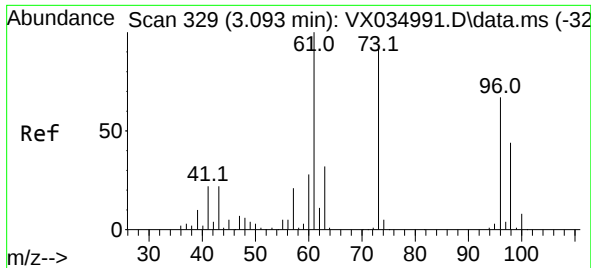
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#16
Methylene chloride
Concen: 3.278 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion: 84 Resp: 11546
Ion Ratio Lower Upper
84 100
86 62.3 44.7 82.9
49 120.3 92.3 171.5





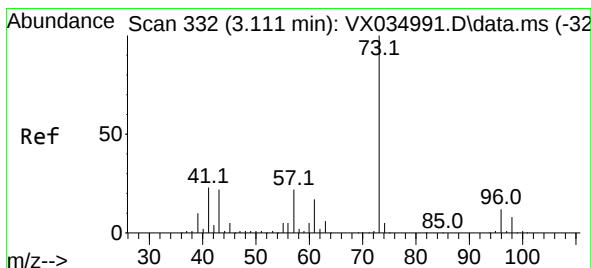
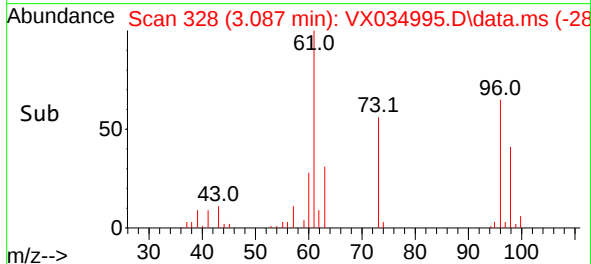
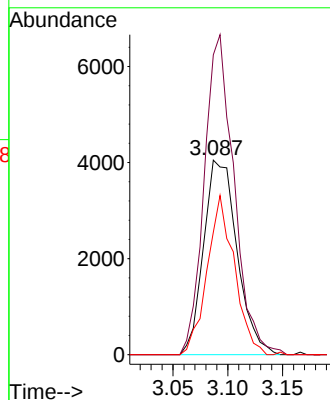
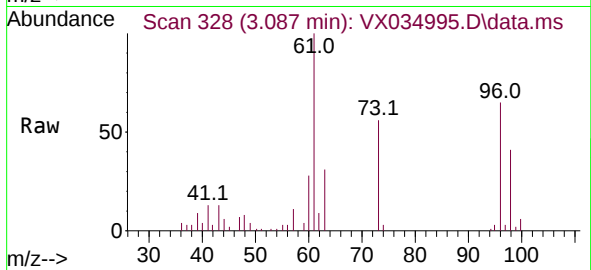
#17
trans-1,2-Dichloroethene
Concen: 2.607 ug/L
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 96 Resp: 8600
Ion Ratio Lower Upper
96 100
61 154.0 102.0 189.4
98 62.9 44.2 82.0

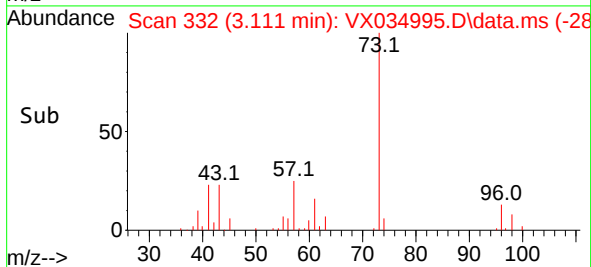
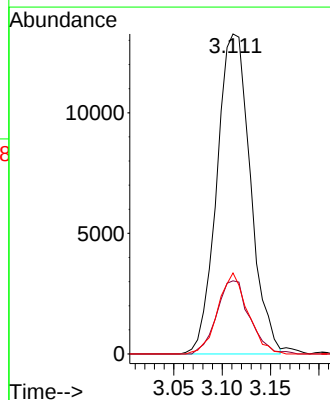
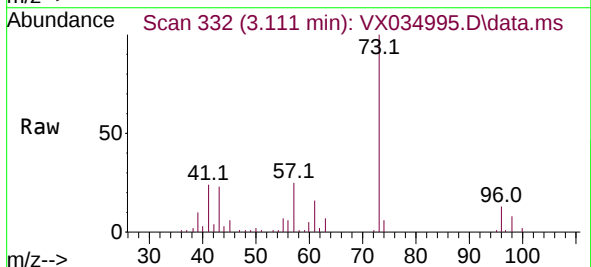
Manual Integrations
APPROVED

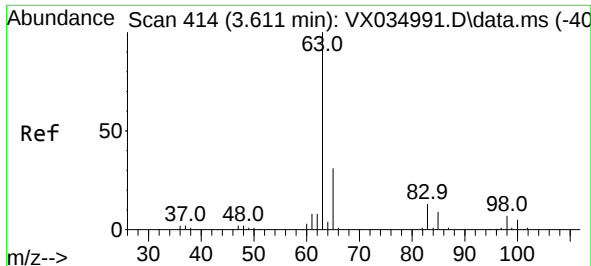
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#18
Methyl tert-butyl Ether
Concen: 2.769 ug/L
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion: 73 Resp: 31955
Ion Ratio Lower Upper
73 100
43 22.2 18.2 27.2
57 22.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.647 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

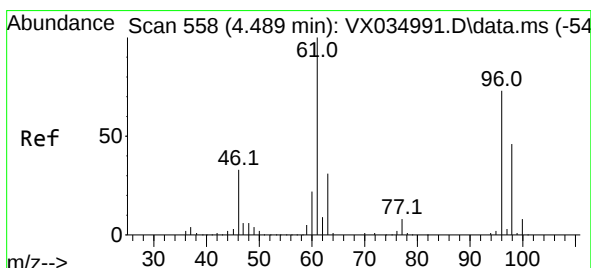
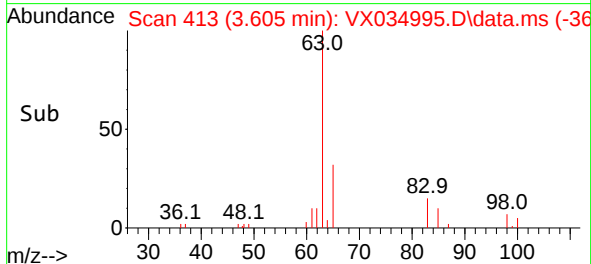
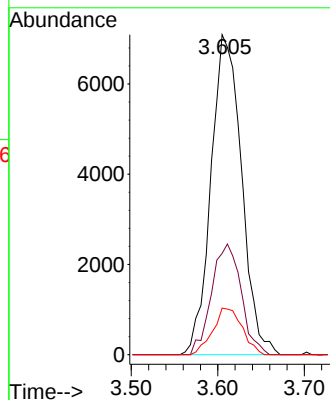
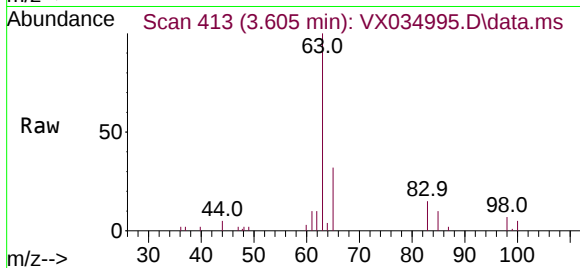
Tgt Ion: 63	Resp: 1739
Ion Ratio	Lower Upper
63 100	
65 31.7	22.1 41.1
83 14.5	9.7 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#20

cis-1,2-Dichloroethene

Concen: 2.657 ug/L

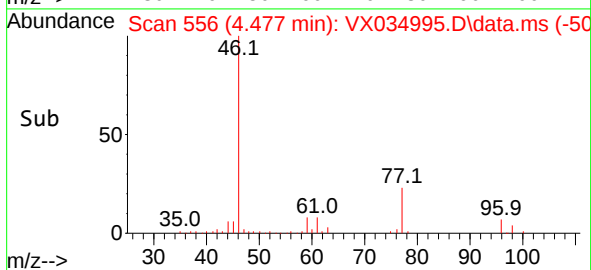
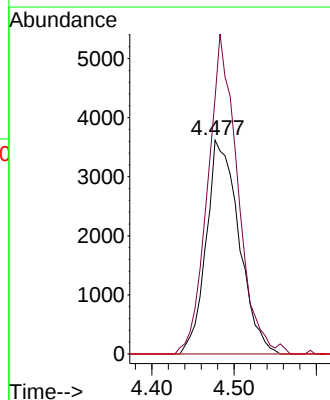
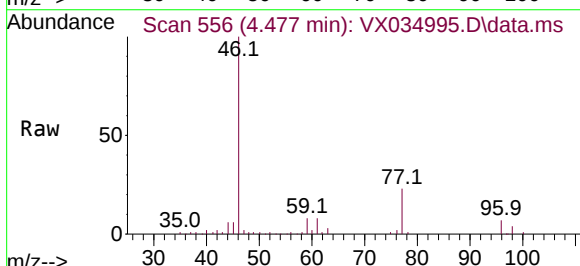
RT: 4.477 min Scan# 556

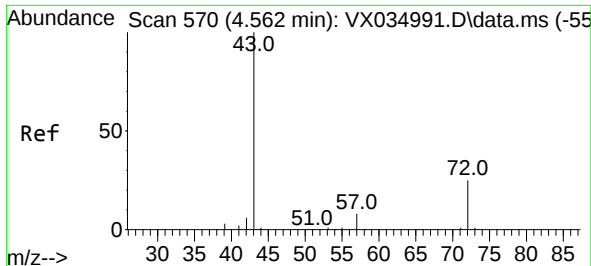
Delta R.T. -0.012 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Tgt Ion: 96	Resp: 10033
Ion Ratio	Lower Upper
96 100	
61 119.7	95.7 177.7
68 0.0	0.0 0.0





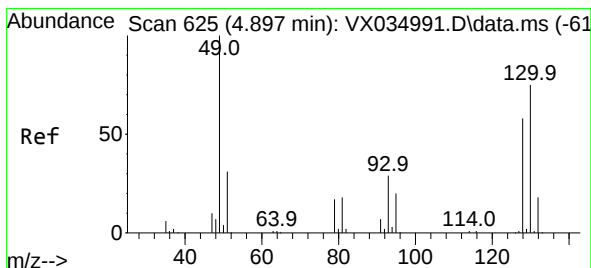
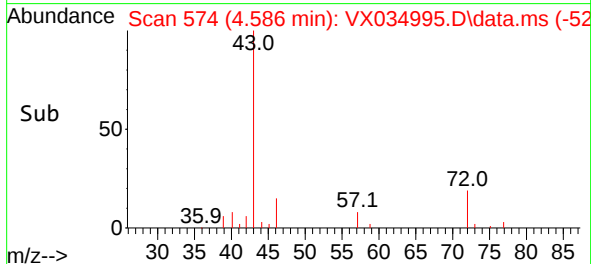
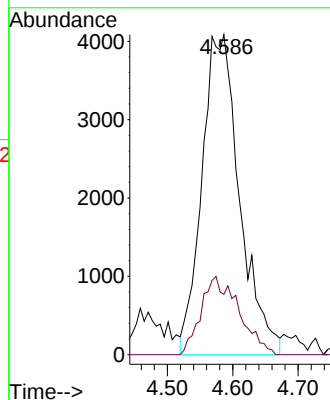
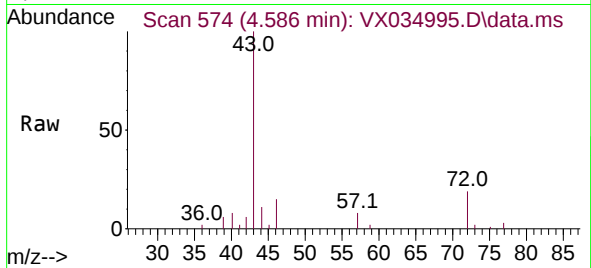
#22
2-Butanone
Concen: 5.816 ug/L m
RT: 4.586 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 43 Resp: 16419
Ion Ratio Lower Upper
43 100
72 14.3 11.5 34.5

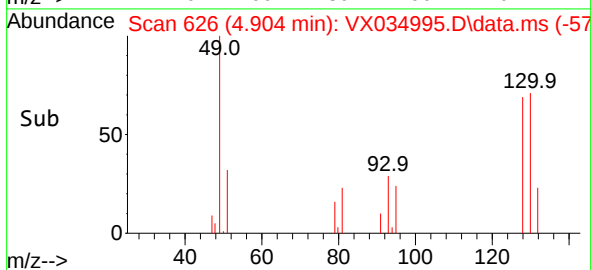
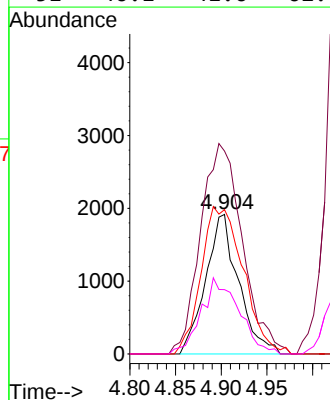
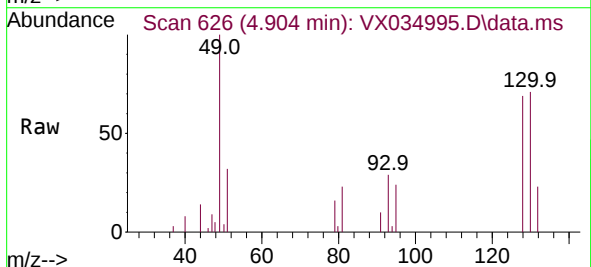
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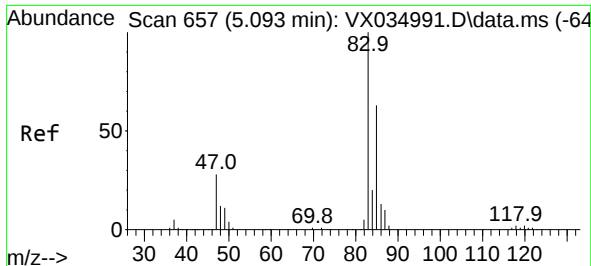
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#23
Bromochloromethane
Concen: 2.566 ug/L
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion:128 Resp: 4794
Ion Ratio Lower Upper
128 100
49 145.4 123.9 230.1
130 103.4 92.1 171.1
51 46.1 41.6 62.4





#25

Chloroform

Concen: 3.313 ug/L

RT: 5.093 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 83 Resp: 22334

Ion Ratio Lower Upper

83 100

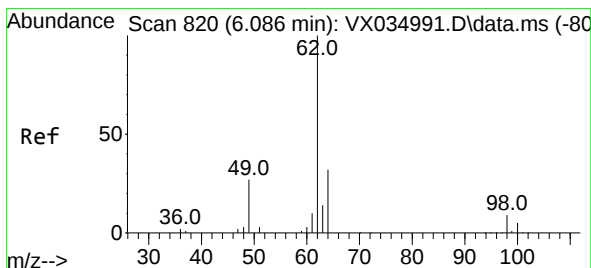
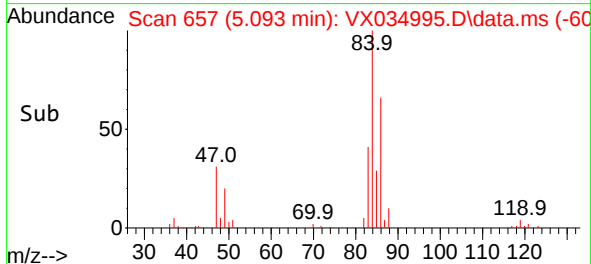
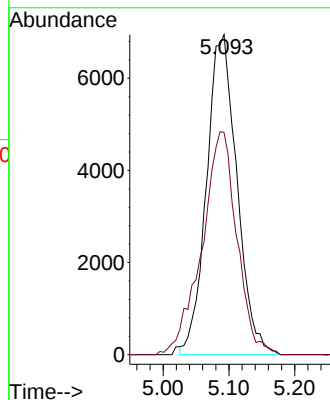
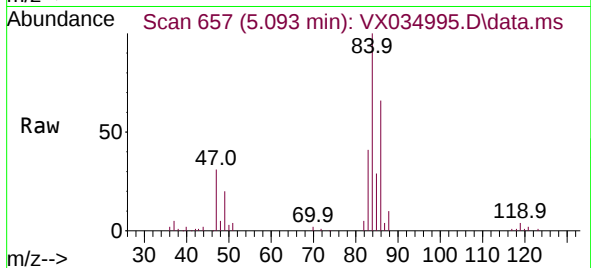
85 69.5 45.1 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#27

1,2-Dichloroethane

Concen: 2.740 ug/L

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX034995.D

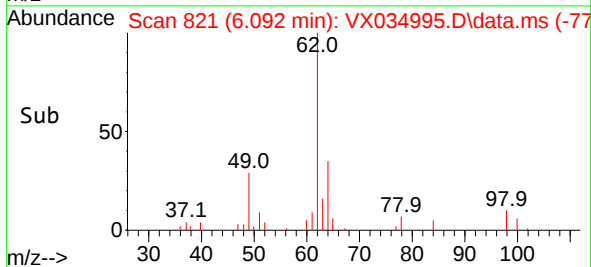
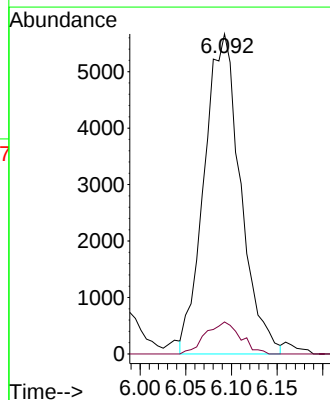
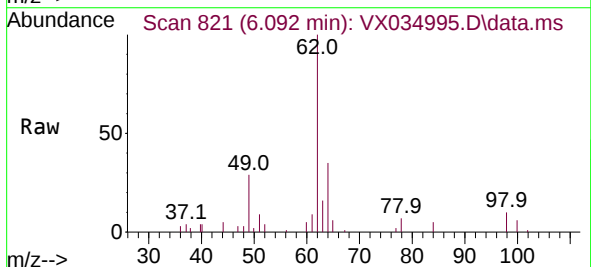
Acq: 10 Apr 2023 15:15

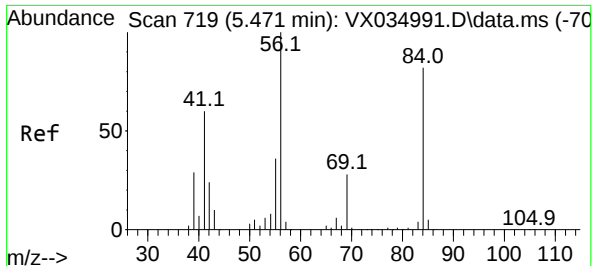
Tgt Ion: 62 Resp: 15643

Ion Ratio Lower Upper

62 100

98 10.0 7.0 10.6





#29

Cyclohexane

Concen: 2.755 ug/L

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 56 Resp: 1671

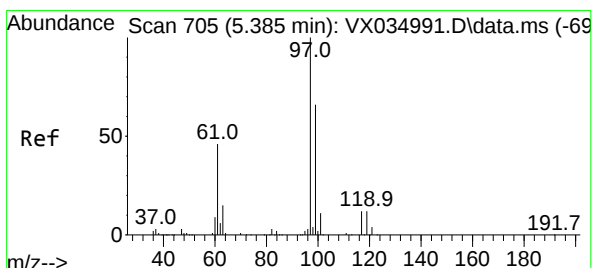
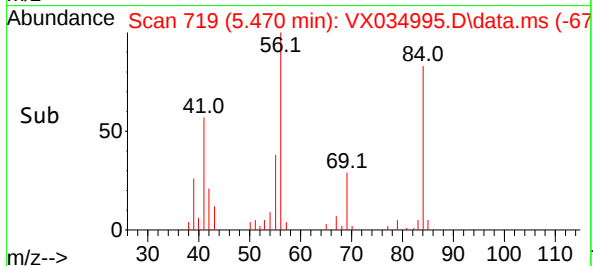
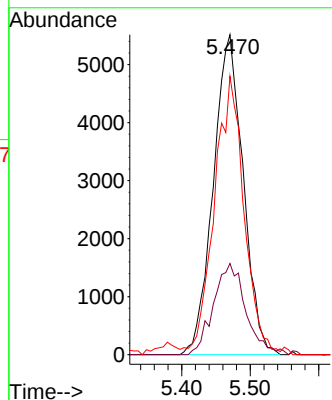
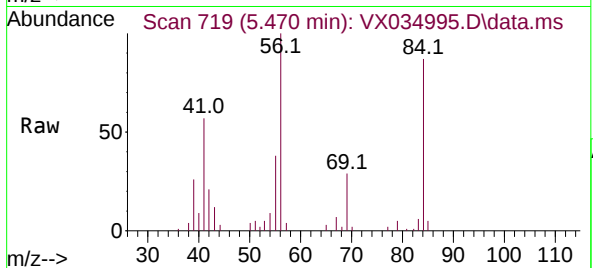
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.5	36.7
84	84.3	69.4	104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#30

1,1,1-Trichloroethane

Concen: 2.500 ug/L

RT: 5.385 min Scan# 705

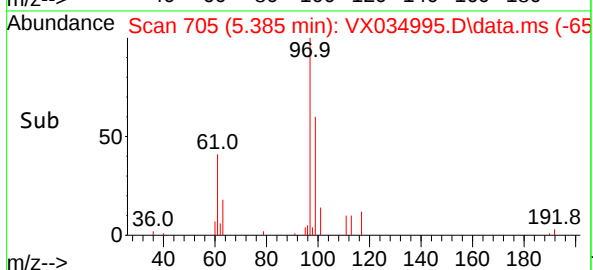
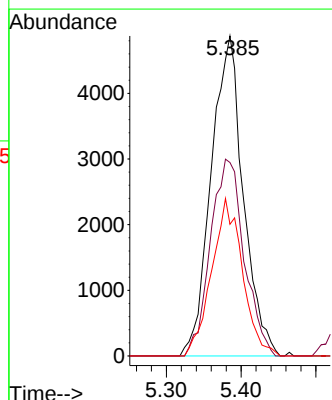
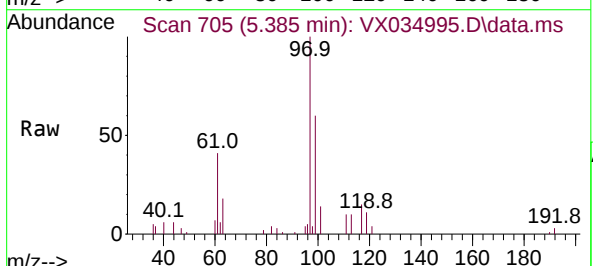
Delta R.T. -0.000 min

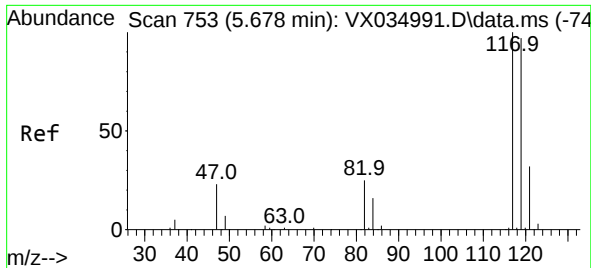
Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Tgt Ion: 97 Resp: 14582

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	47.1	36.8	55.2





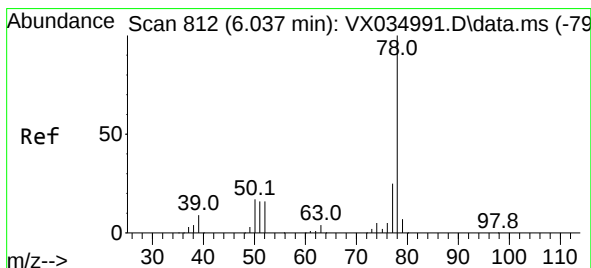
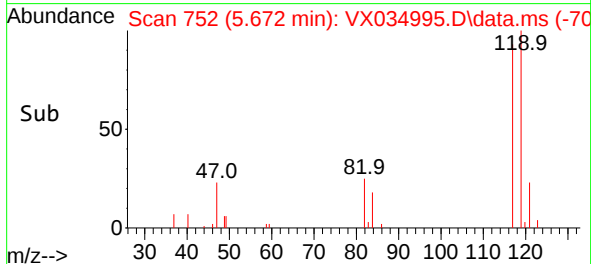
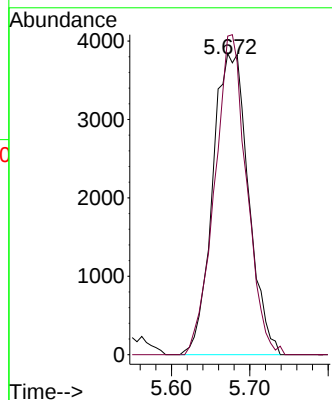
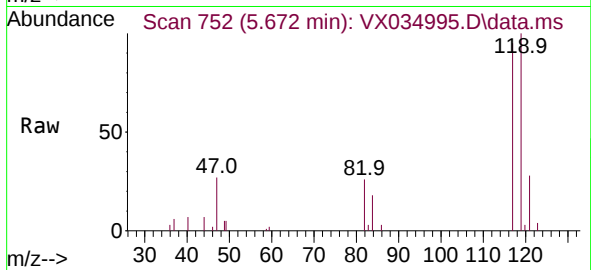
#31
Carbon tetrachloride
Concen: 2.430 ug/L
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion:117 Resp: 12210
Ion Ratio Lower Upper
117 100
119 94.9 76.7 115.1

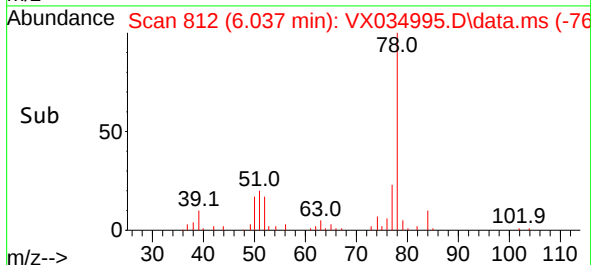
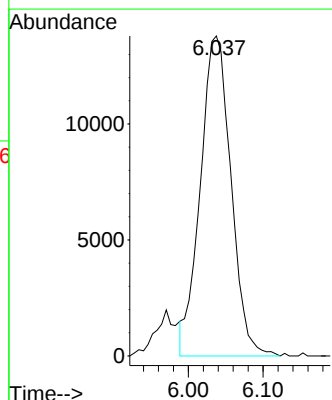
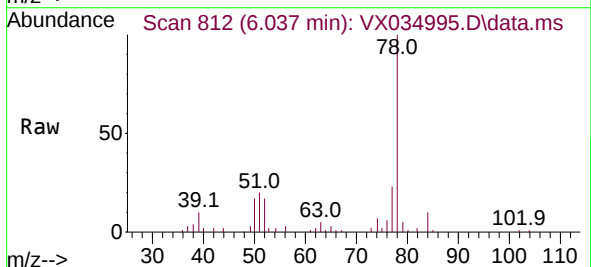
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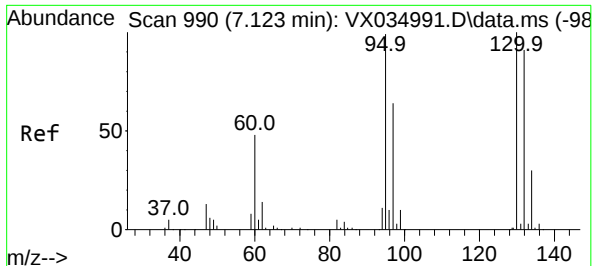
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#33
Benzene
Concen: 2.791 ug/L
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion: 78 Resp: 39254





#34

Trichloroethene

Concen: 2.552 ug/L

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 95 Resp: 967

Ion Ratio Lower Upper

95 100

97 73.6 45.4 84.2

132 114.1 66.8 124.0

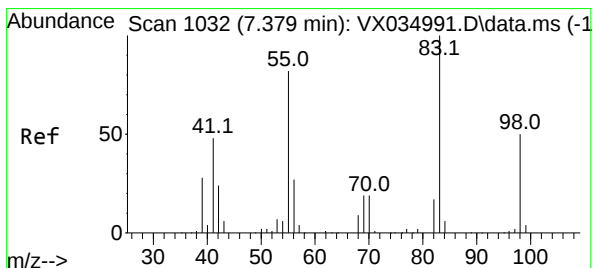
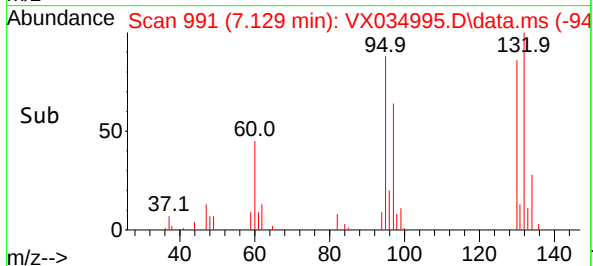
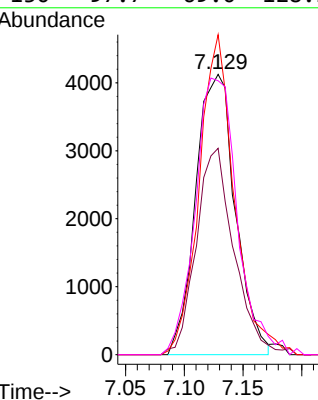
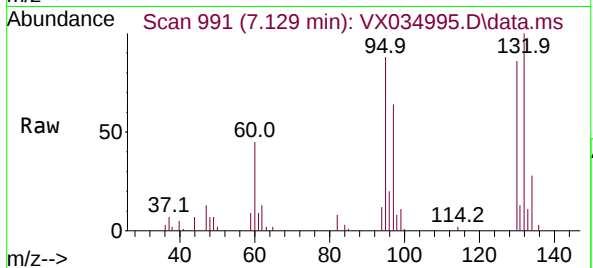
130 97.7 69.0 128.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#35

Methylcyclohexane

Concen: 2.736 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

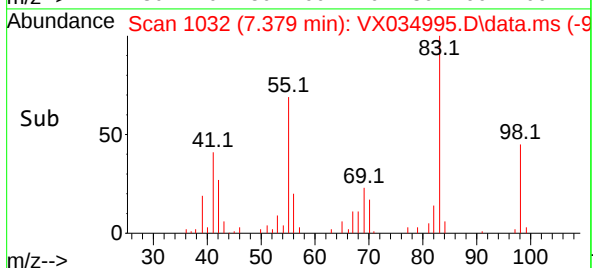
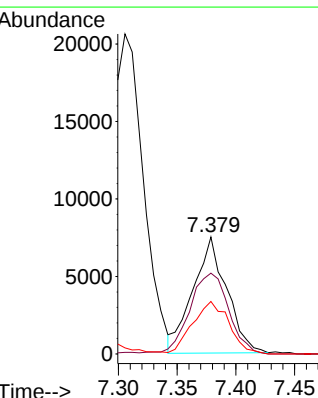
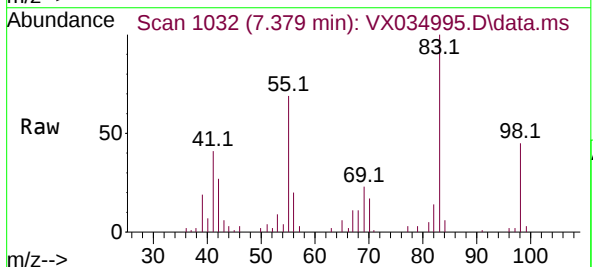
Tgt Ion: 83 Resp: 14960

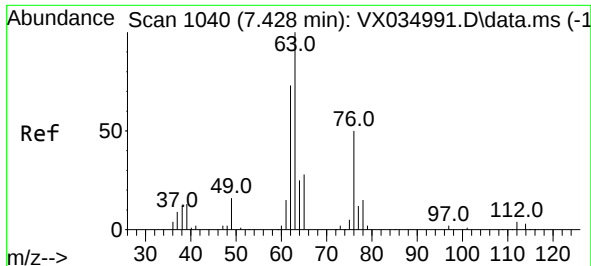
Ion Ratio Lower Upper

83 100

55 80.0 65.0 97.6

98 48.8 38.7 58.1





#37

1,2-Dichloropropane

Concen: 2.664 ug/L

RT: 7.434 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 63 Resp: 993

Ion Ratio Lower Upper

63 100

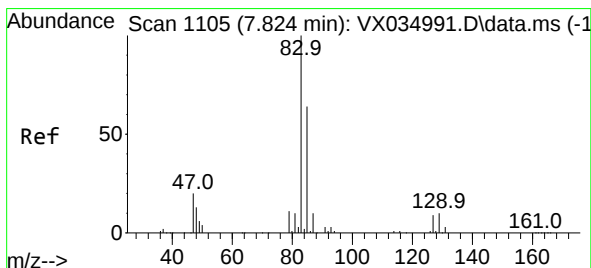
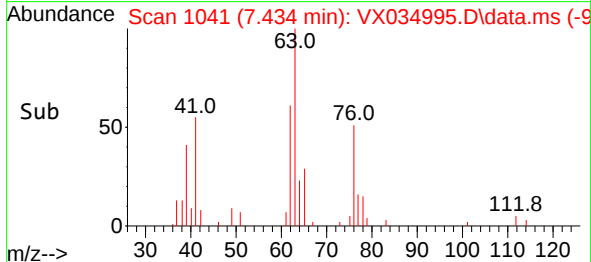
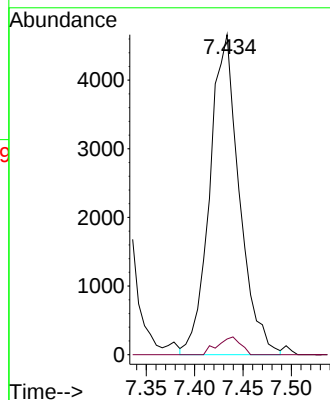
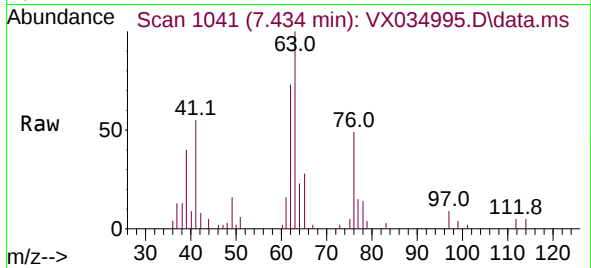
112 4.2 3.6 5.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#38

Bromodichloromethane

Concen: 2.378 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

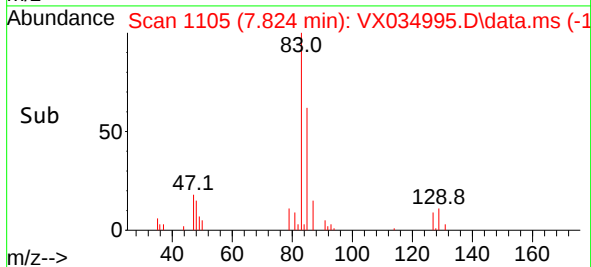
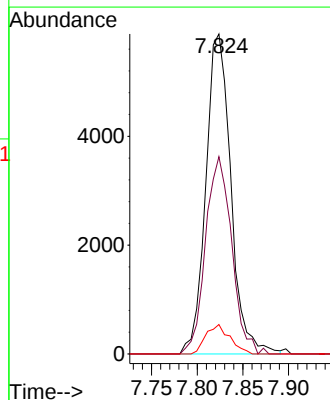
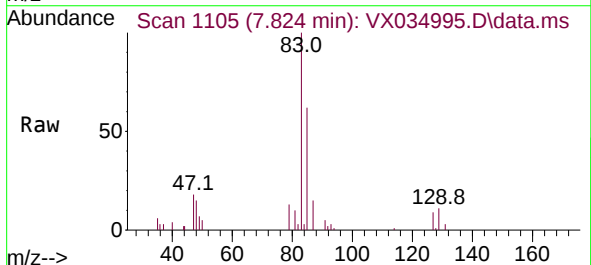
Tgt Ion: 83 Resp: 11216

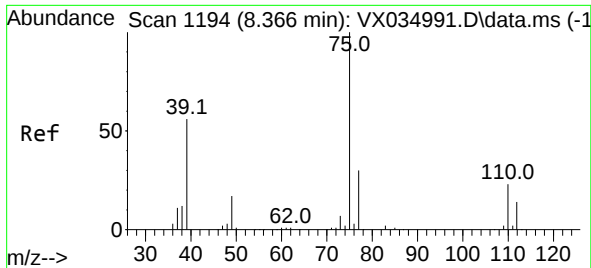
Ion Ratio Lower Upper

83 100

85 61.7 45.6 84.6

127 9.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 2.525 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 75 Resp: 1438

Ion Ratio Lower Upper

75 100

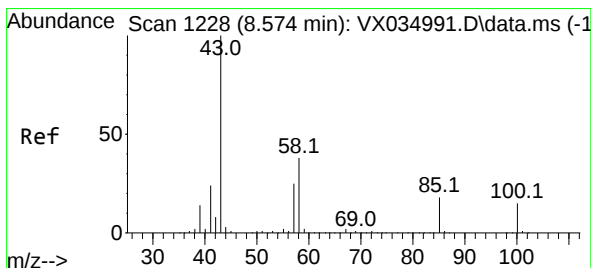
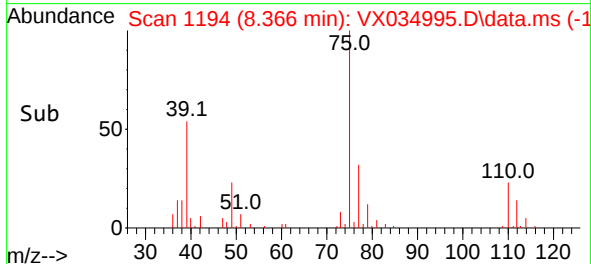
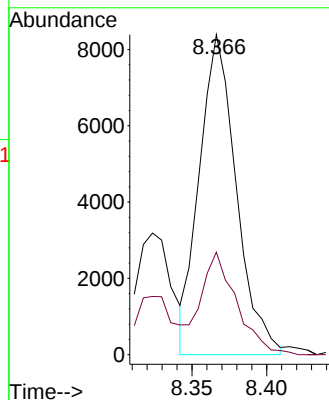
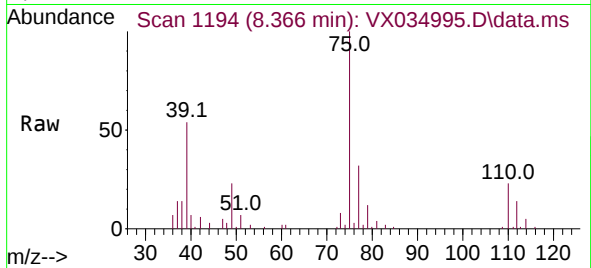
77 32.1 21.9 40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#40

4-Methyl-2-pentanone

Concen: 5.385 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

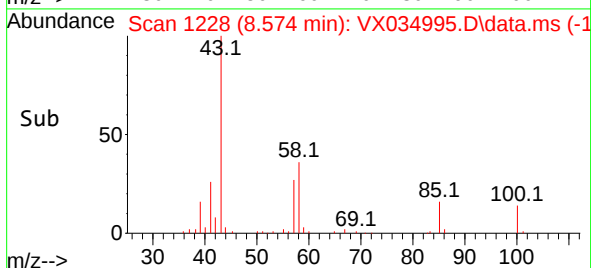
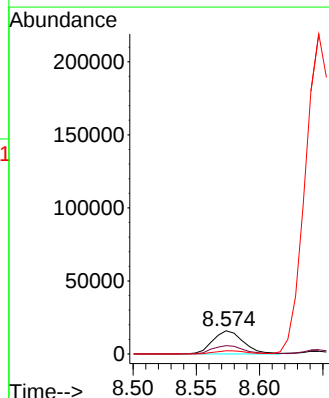
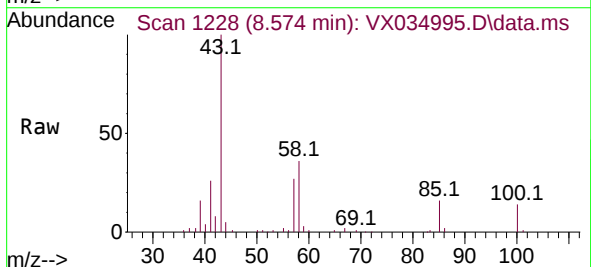
Tgt Ion: 43 Resp: 26669

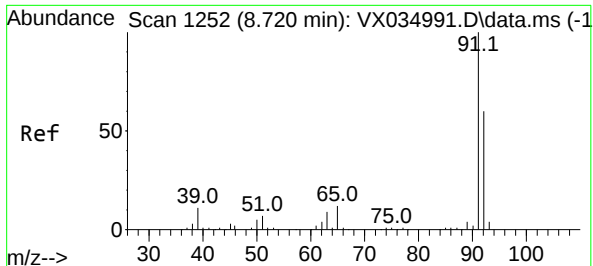
Ion Ratio Lower Upper

43 100

58 36.7 30.1 45.1

100 14.8 11.9 17.9





#42

Toluene

Concen: 2.708 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 91 Resp: 39450

Ion Ratio Lower Upper

91 100

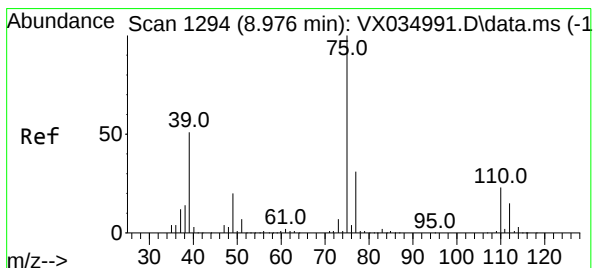
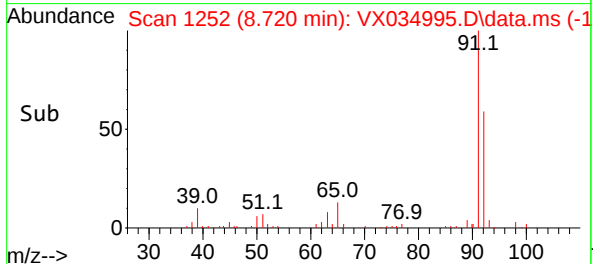
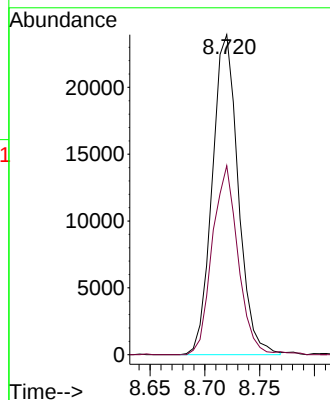
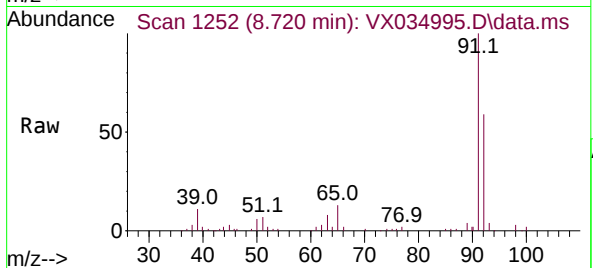
92 59.1 41.4 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#44

trans-1,3-Dichloropropene

Concen: 2.548 ug/L m

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX034995.D

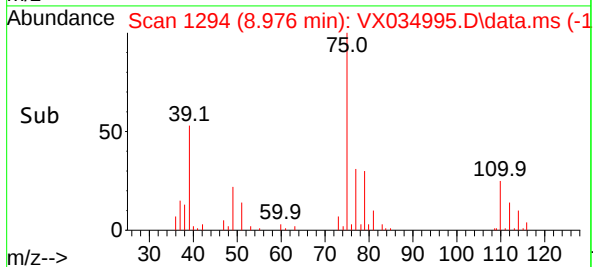
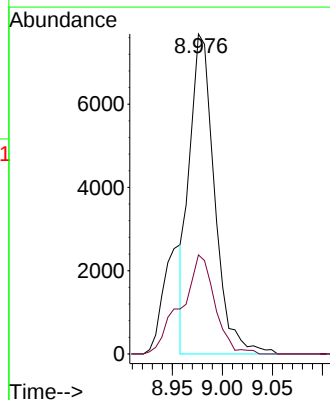
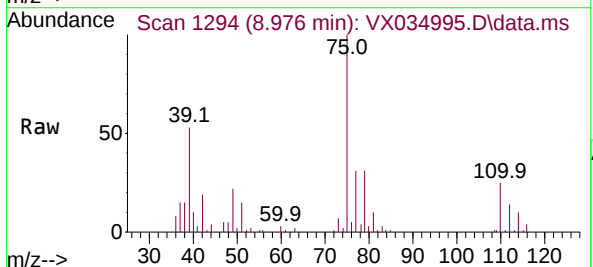
Acq: 10 Apr 2023 15:15

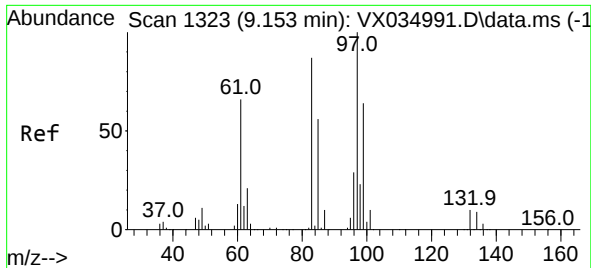
Tgt Ion: 75 Resp: 13363

Ion Ratio Lower Upper

75 100

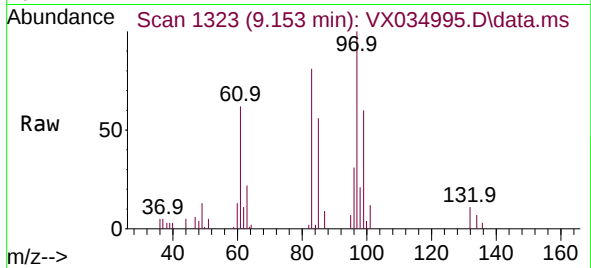
77 31.0 22.9 42.5





#45
1,1,2-Trichloroethane
Concen: 2.857 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

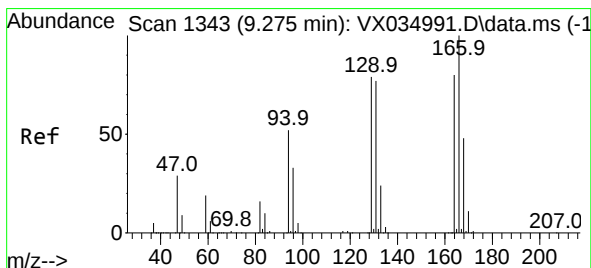
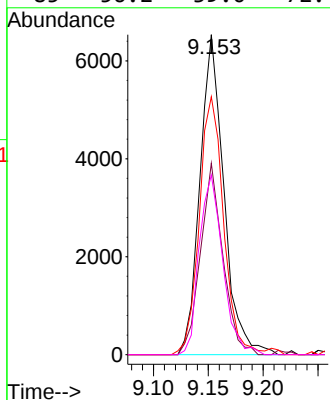
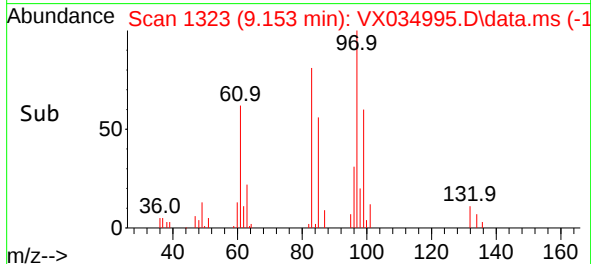
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



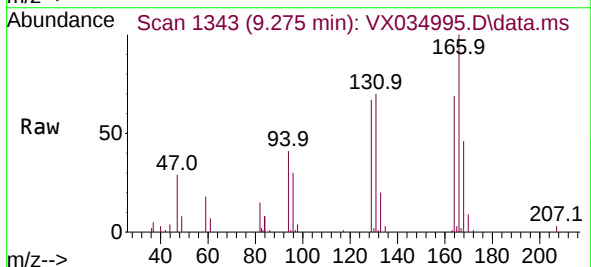
Tgt Ion:	97	Resp:	992
Ion	Ratio	Lower	Upper
97	100		
99	59.8	44.8	83.2
83	80.6	60.5	112.3
85	56.2	39.0	72.4

Manual Integrations
APPROVED

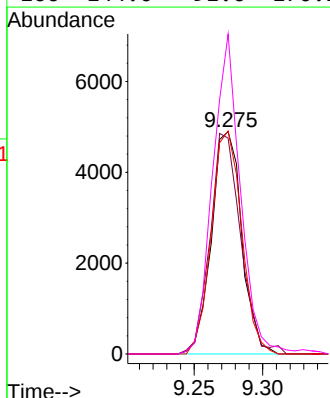
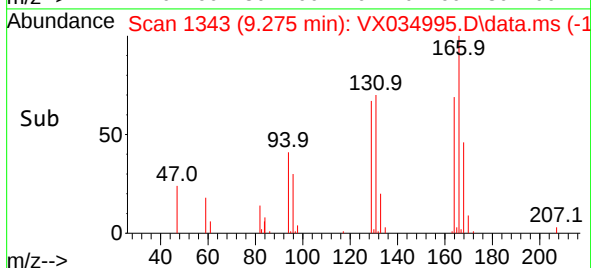
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023

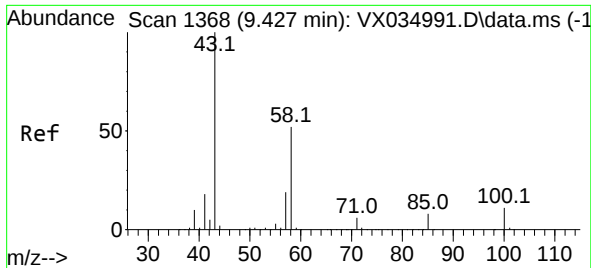


#46
Tetrachloroethene
Concen: 2.656 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15



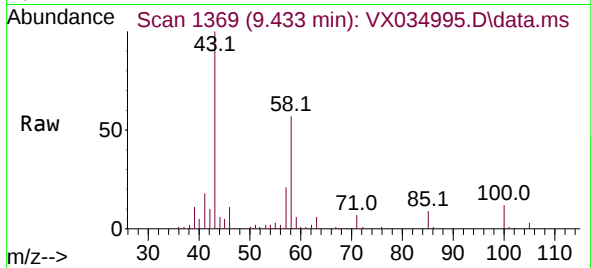
Tgt Ion:	164	Resp:	7505
Ion	Ratio	Lower	Upper
164	100		
129	97.1	67.7	125.7
131	100.3	65.8	122.2
166	144.0	91.6	170.2





#48
2-Hexanone
Concen: 5.959 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

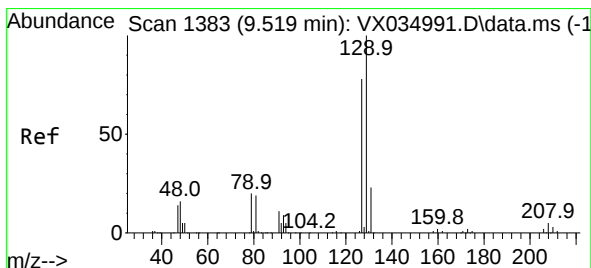
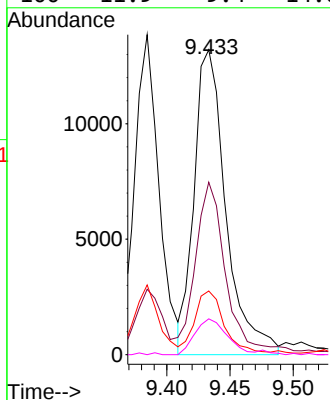
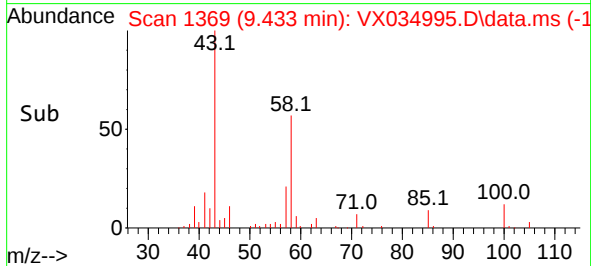
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
58 55.6 42.1 63.1
57 19.2 15.0 22.6
100 11.9 9.4 14.0

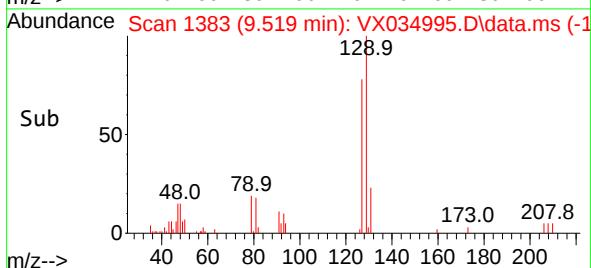
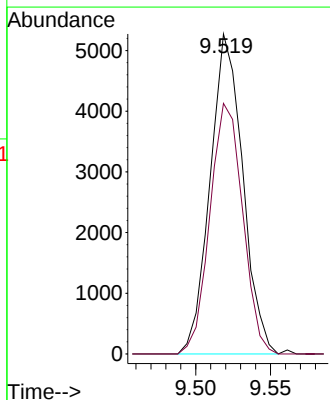
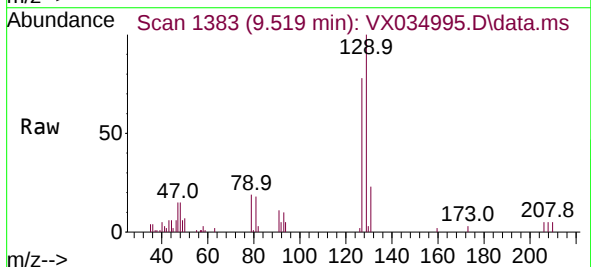
Manual Integrations
APPROVED

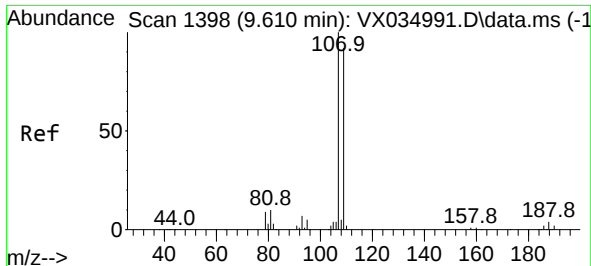
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#49
Dibromochloromethane
Concen: 2.340 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion:129 Resp: 8001
Ion Ratio Lower Upper
129 100
127 76.3 55.0 102.2





#50

1,2-Dibromoethane

Concen: 2.689 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

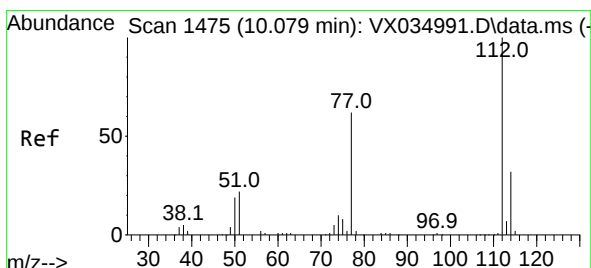
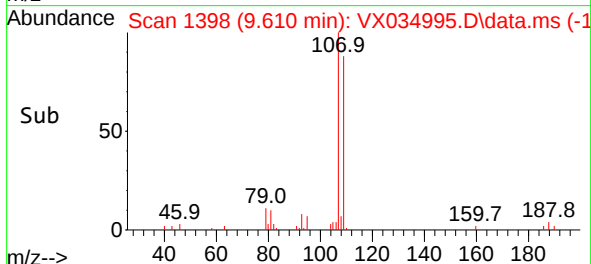
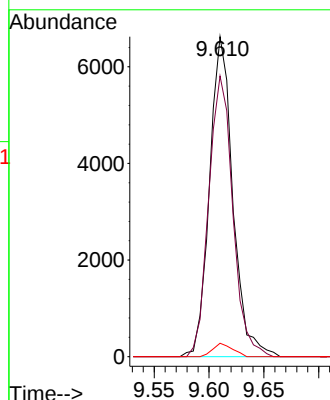
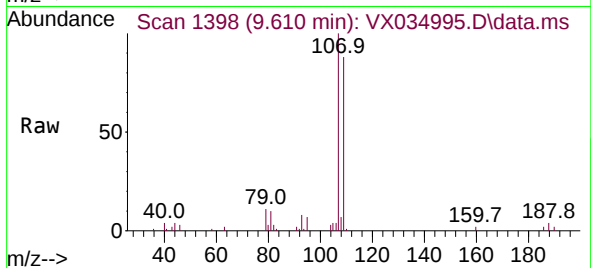
Tgt Ion:	107	Resp:	980
Ion	Ratio	Lower	Upper
107	100		
109	87.7	65.4	121.4
188	4.2	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#51

Chlorobenzene

Concen: 2.705 ug/L

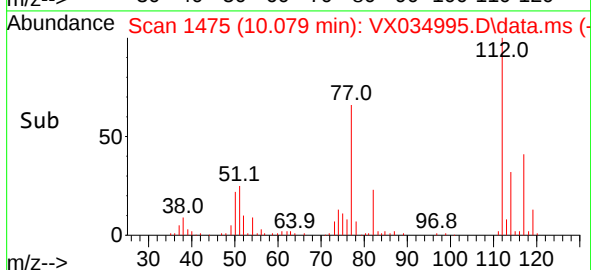
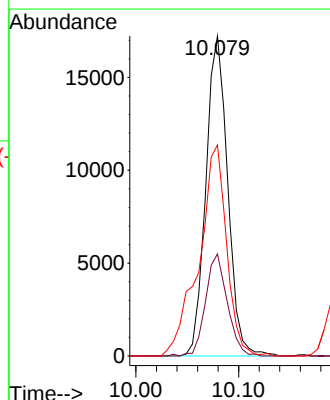
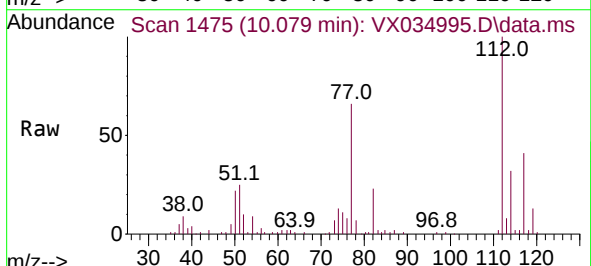
RT: 10.079 min Scan# 1475

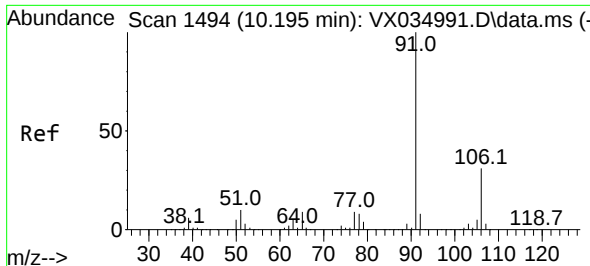
Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

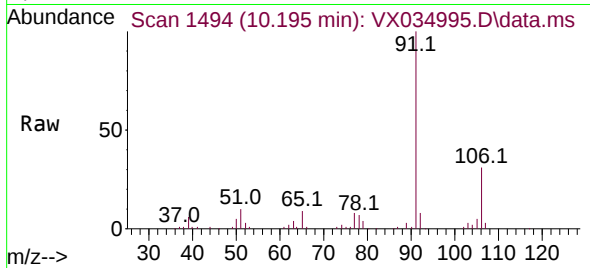
Tgt Ion:	112	Resp:	25404
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.6	42.0
77	65.9	48.8	73.2





#52
Ethylbenzene
Concen: 2.637 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

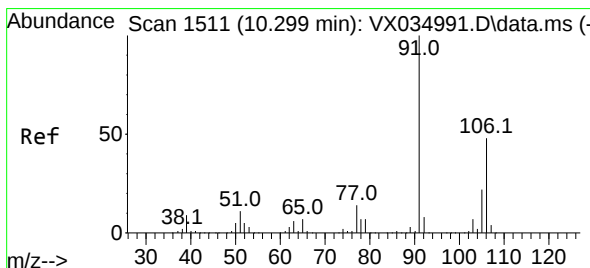
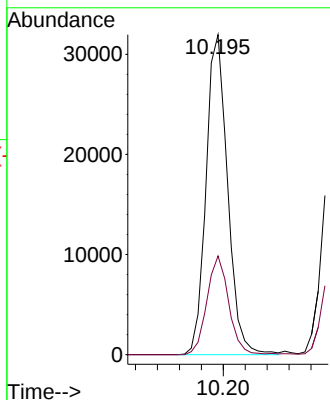
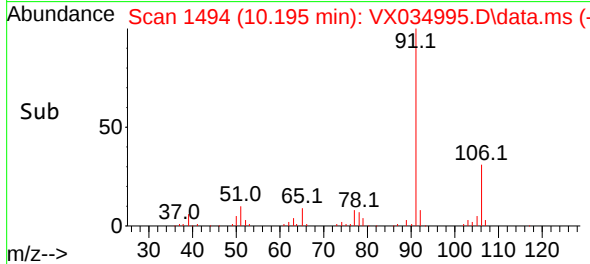
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



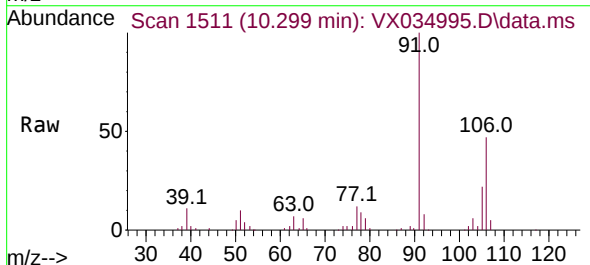
Tgt Ion: 91 Resp: 43600
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.6

Manual Integrations
APPROVED

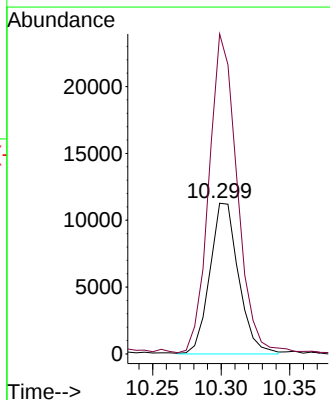
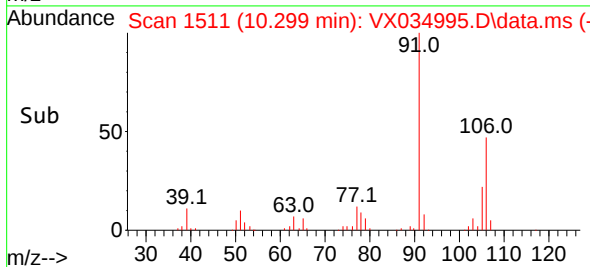
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023

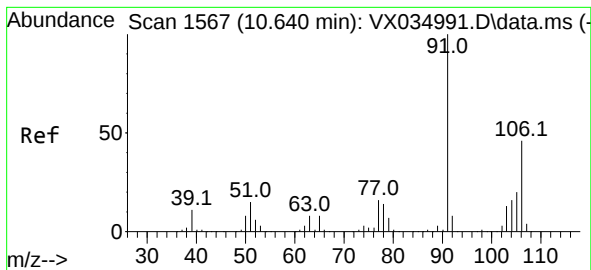


#53
m,p-Xylene
Concen: 2.642 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15



Tgt Ion:106 Resp: 16461
Ion Ratio Lower Upper
106 100
91 212.3 146.4 272.0





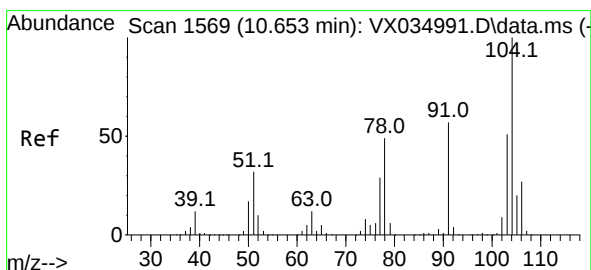
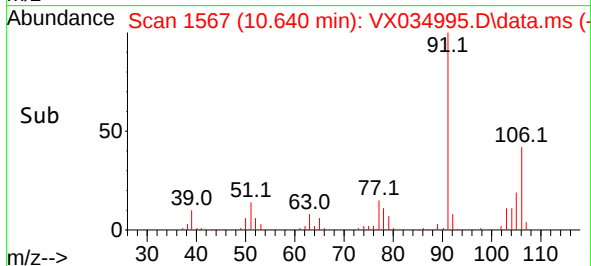
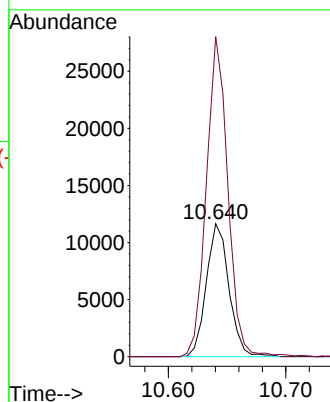
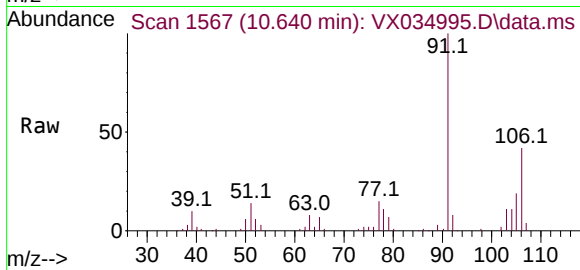
#54
o-Xylene
Concen: 2.547 ug/L
RT: 10.640 min Scan# 1563
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion:106 Resp: 15630
Ion Ratio Lower Upper
106 100
91 240.6 154.0 286.0

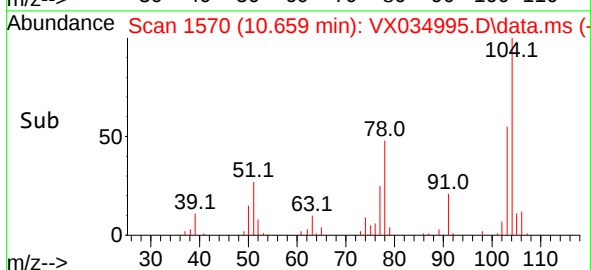
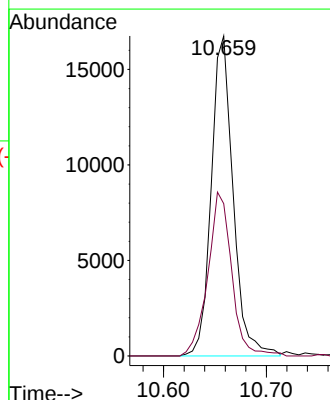
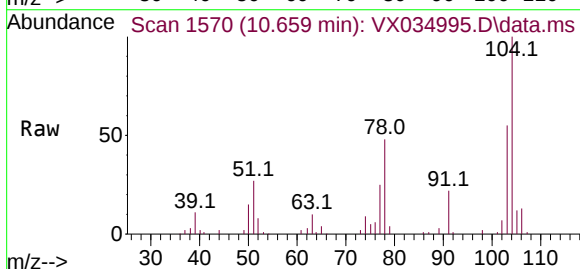
Manual Integrations
APPROVED

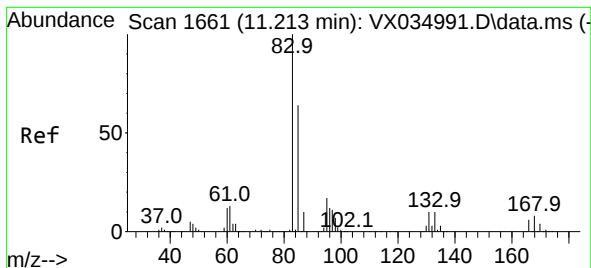
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#55
Styrene
Concen: 2.403 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion:104 Resp: 24729
Ion Ratio Lower Upper
104 100
78 47.6 35.4 65.8





#57

1,1,2,2-Tetrachloroethane

Concen: 2.943 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

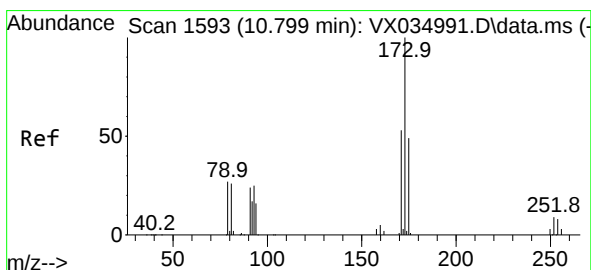
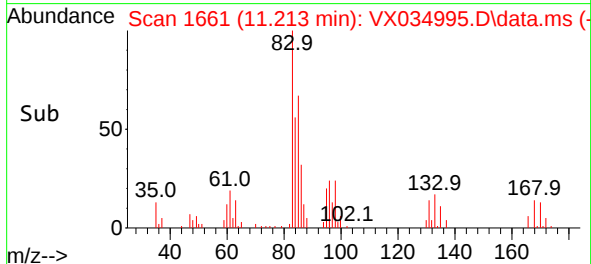
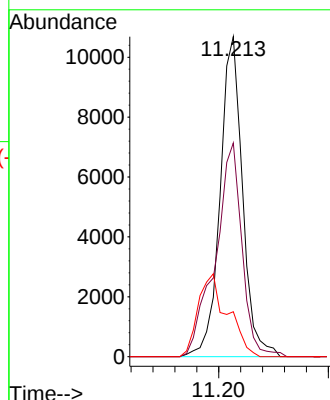
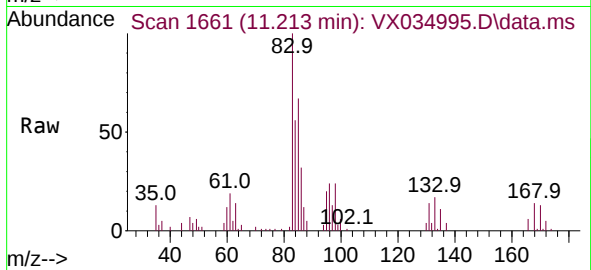
Tgt Ion:	83	Resp:	1518
Ion Ratio	Lower	Upper	
83	100		
85	66.8	45.5	84.5
131	14.1	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/11/2023

Supervised By :Semsettin Yesilyurt 04/11/2023



#59

Bromoform

Concen: 2.143 ug/L

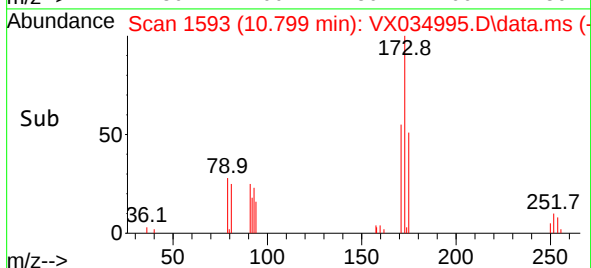
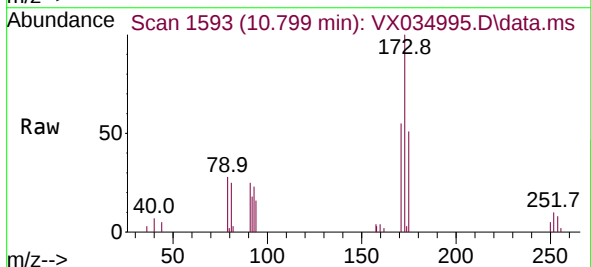
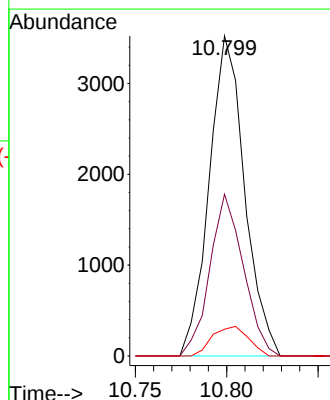
RT: 10.799 min Scan# 1593

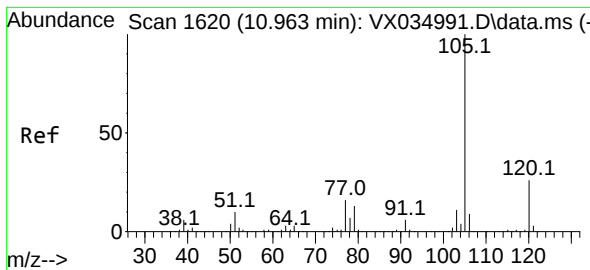
Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

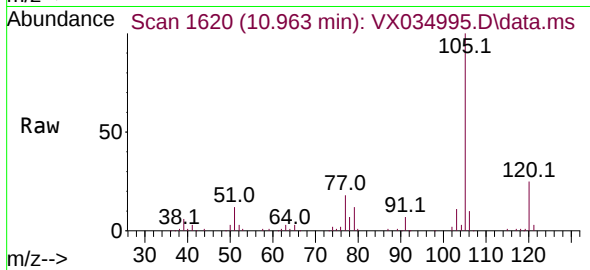
Tgt Ion:	173	Resp:	4751
Ion Ratio	Lower	Upper	
173	100		
175	47.9	39.0	58.4
254	9.5	7.3	10.9





#60
Isopropylbenzene
Concen: 2.737 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

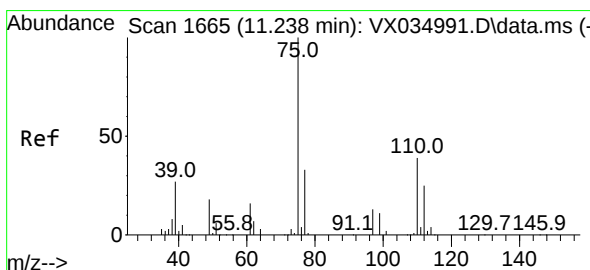
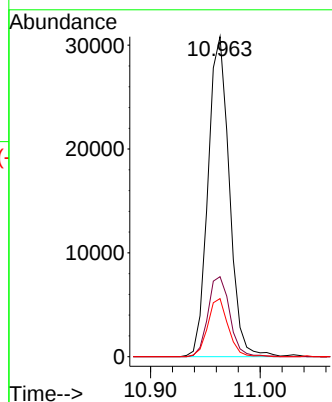
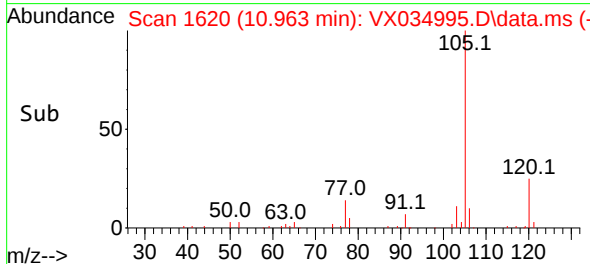
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion:105 Resp: 41578
Ion Ratio Lower Upper
105 100
120 25.6 21.1 31.7
77 17.3 13.3 19.9

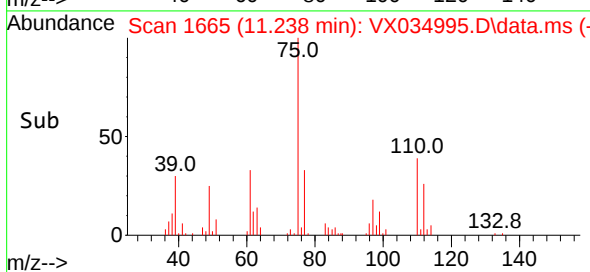
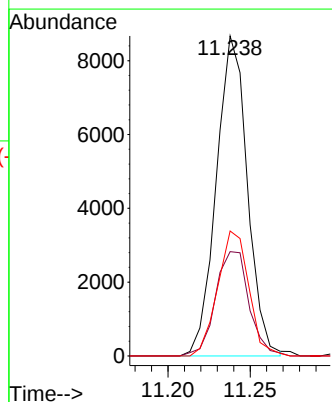
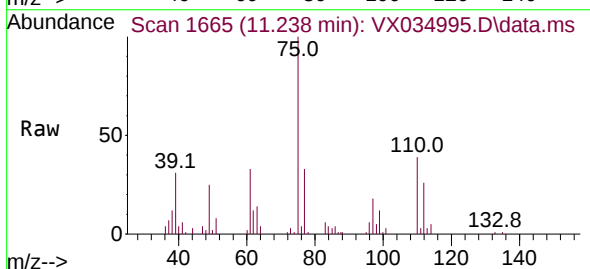
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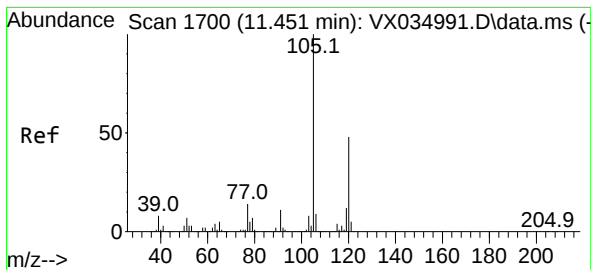
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#61
1,2,3-Trichloropropane
Concen: 2.856 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion: 75 Resp: 11390
Ion Ratio Lower Upper
75 100
77 35.2 25.3 37.9
110 39.1 31.8 47.8





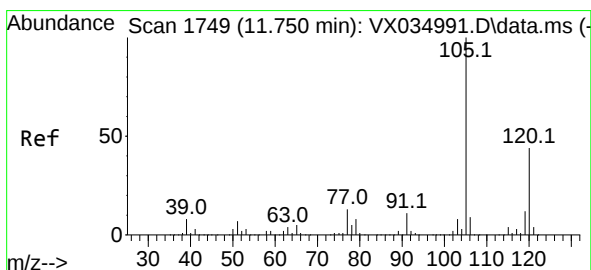
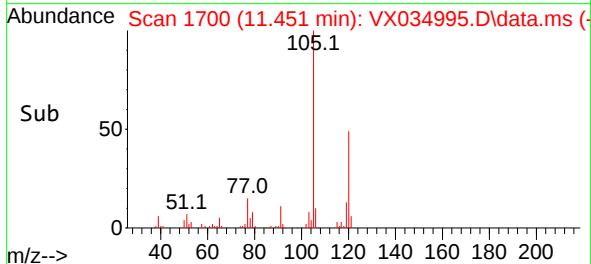
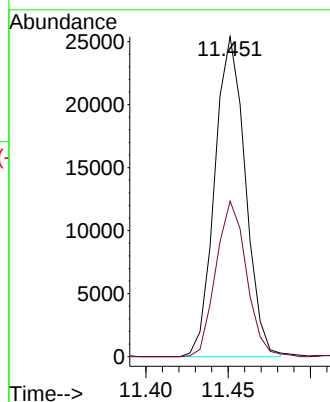
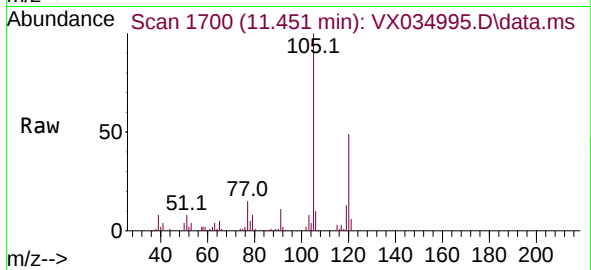
#62
1,3,5-Trimethylbenzene
Concen: 2.609 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion:105 Resp: 32850
Ion Ratio Lower Upper
105 100
120 48.5 38.0 57.0

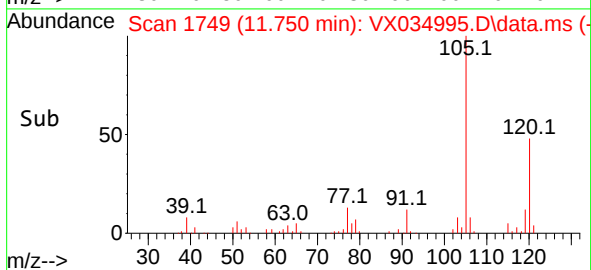
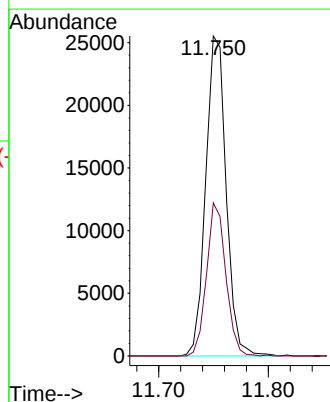
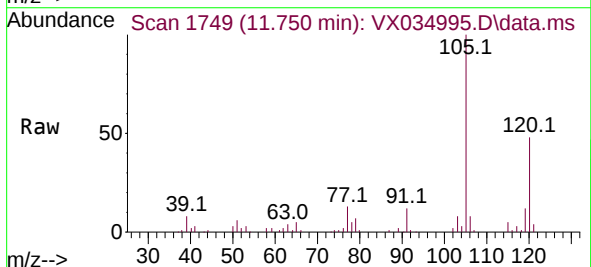
Manual Integrations
APPROVED

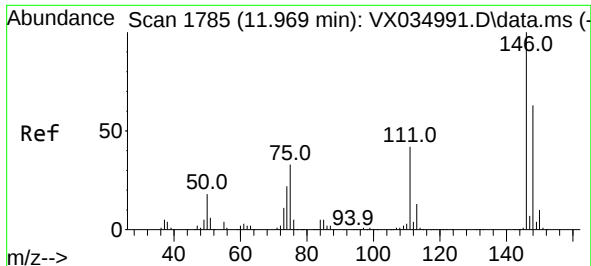
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#63
1,2,4-Trimethylbenzene
Concen: 2.655 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

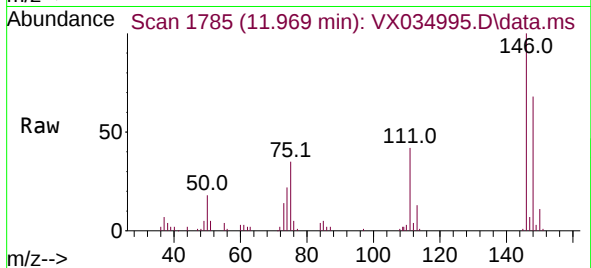
Tgt Ion:105 Resp: 33013
Ion Ratio Lower Upper
105 100
120 45.1 35.6 53.4





#64
1,3-Dichlorobenzene
Concen: 2.764 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

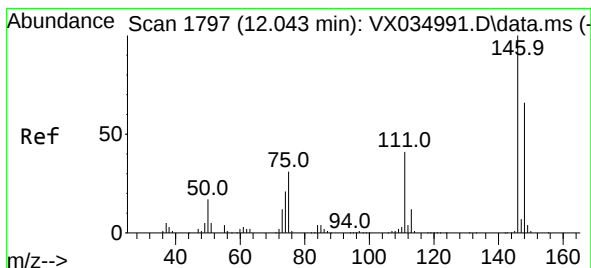
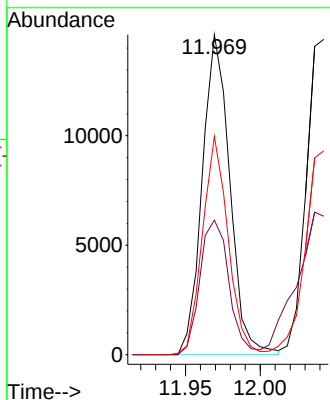
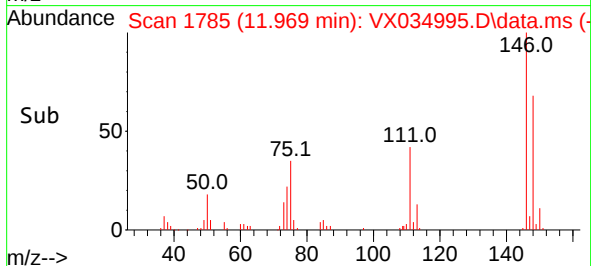
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



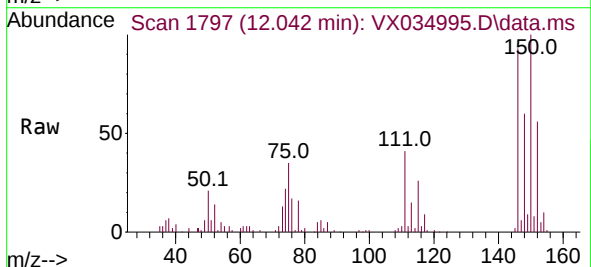
Tgt Ion:146 Resp: 1870
Ion Ratio Lower Upper
146 100
111 42.1 30.3 56.3
148 68.2 44.2 82.2

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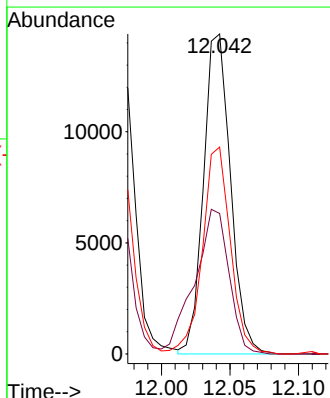
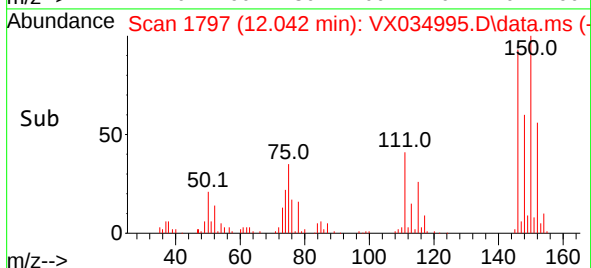
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023

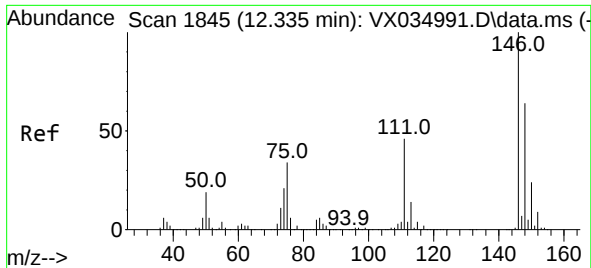


#65
1,4-Dichlorobenzene
Concen: 2.886 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15



Tgt Ion:146 Resp: 19742
Ion Ratio Lower Upper
146 100
111 43.9 27.5 51.1
148 64.6 44.4 82.4





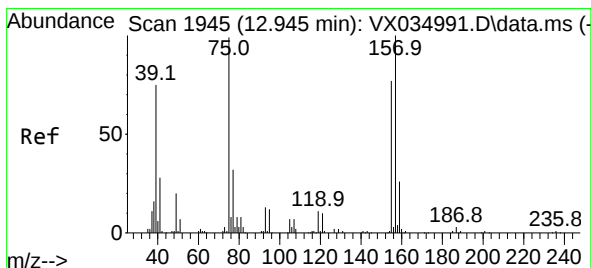
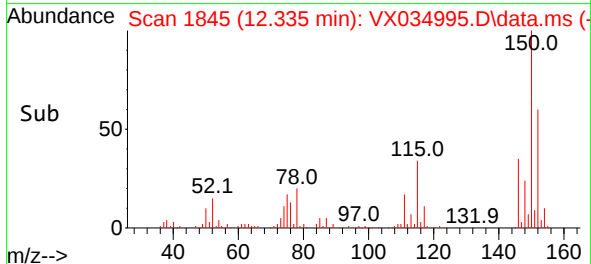
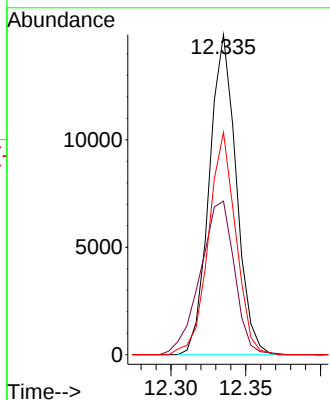
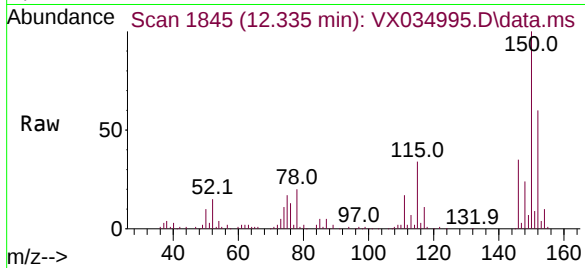
#67
1,2-Dichlorobenzene
Concen: 2.798 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion:146 Resp: 1865
Ion Ratio Lower Upper
146 100
111 48.0 34.4 51.6
148 69.5 51.0 76.4

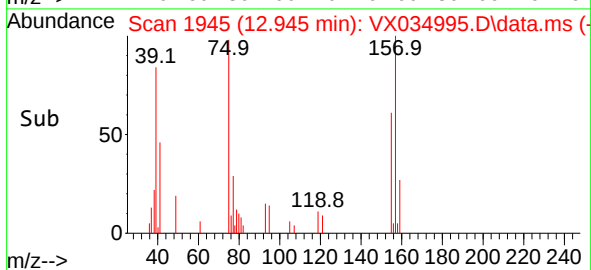
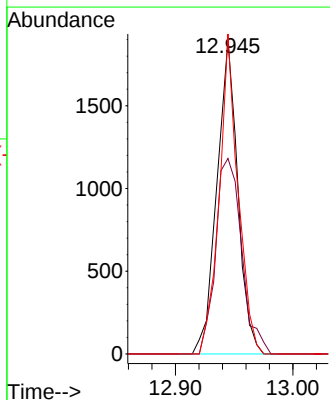
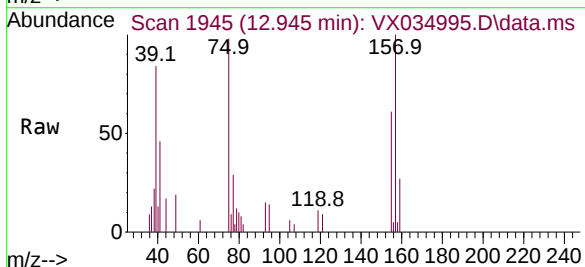
Manual Integrations
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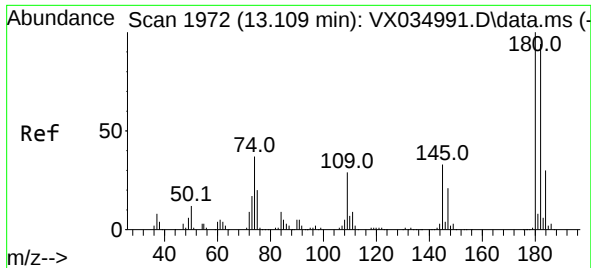
Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#68
1,2-Dibromo-3-chloropropane
Concen: 2.296 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion: 75 Resp: 2344
Ion Ratio Lower Upper
75 100
155 62.2 58.0 87.0
157 101.8 75.3 112.9





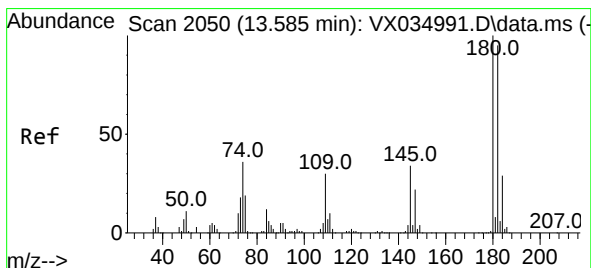
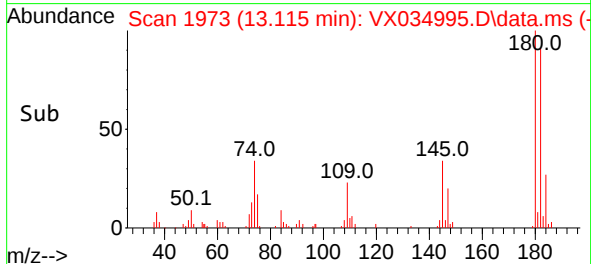
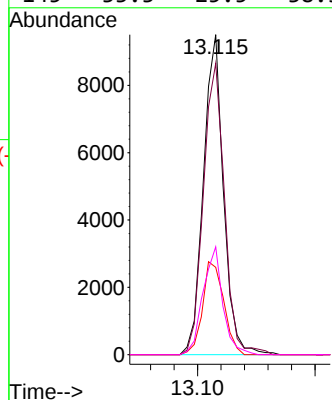
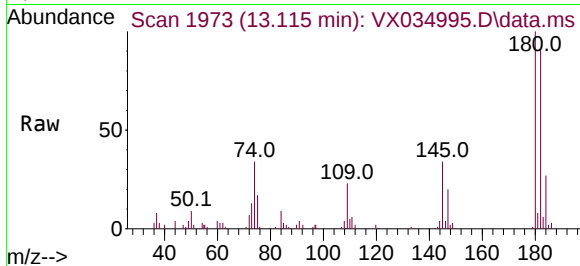
#69
 1,3,5-Trichlorobenzene
 Concen: 2.664 ug/L
 RT: 13.115 min Scan# 1973
 Delta R.T. 0.006 min
 Lab File: VX034995.D
 Acq: 10 Apr 2023 15:15

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Tgt Ion:180	Resp:	11274
Ion Ratio	Lower	Upper
180	100	
182	93.9	76.8 115.2
184	30.7	23.8 35.8
145	33.3	25.5 38.3

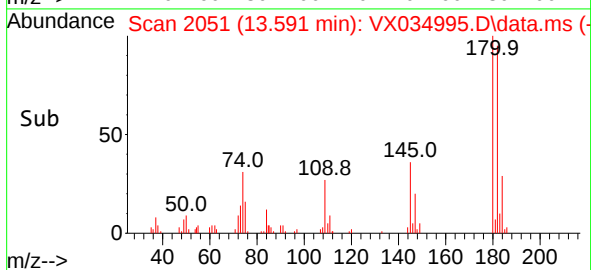
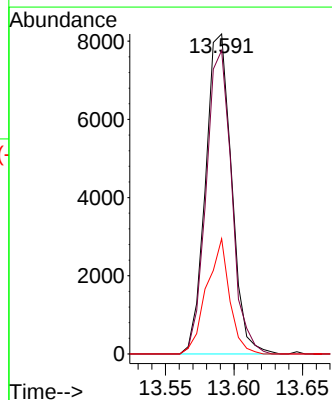
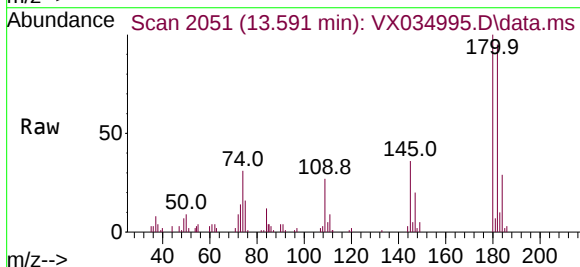
Manual Integrations
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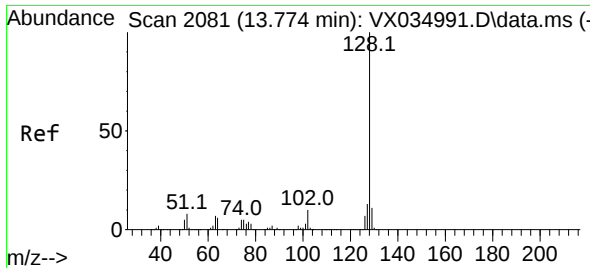
Reviewed By :John Carlone 04/11/2023
 Supervised By :Semsettin Yesilyurt 04/11/2023



#70
 1,2,4-trichlorobenzene
 Concen: 2.747 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX034995.D
 Acq: 10 Apr 2023 15:15

Tgt Ion:180	Resp:	10813
Ion Ratio	Lower	Upper
180	100	
182	92.9	77.0 115.4
145	31.7	26.7 40.1





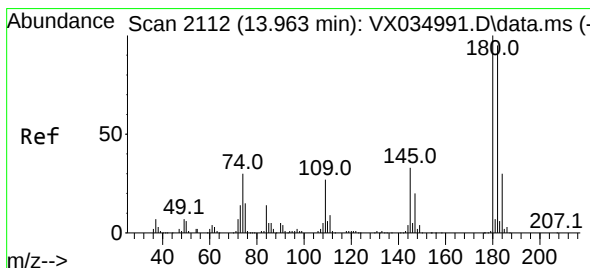
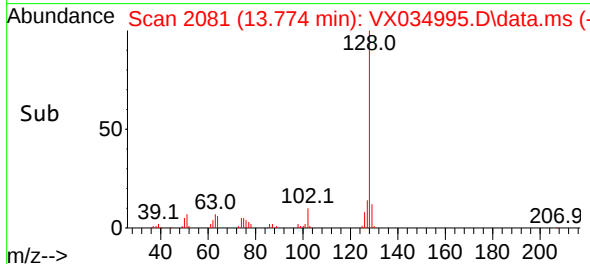
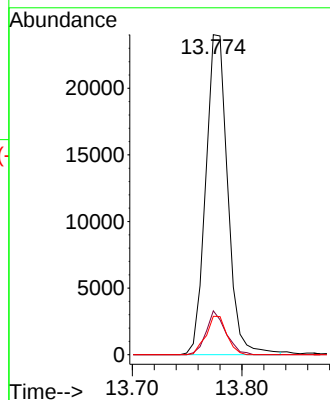
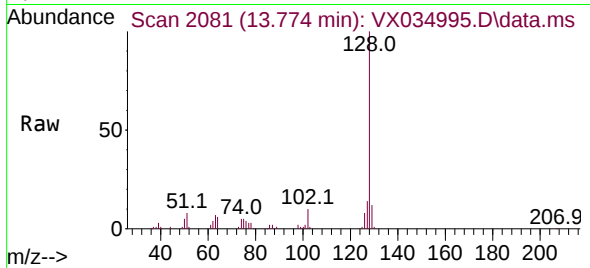
#71
Naphthalene
Concen: 2.484 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion:128	Resp:	3342
Ion Ratio	Lower	Upper
128	100	
127	12.2	10.2 15.4
129	11.3	8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023



#72
1,2,3-Trichlorobenzene
Concen: 2.692 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX034995.D
Acq: 10 Apr 2023 15:15

Tgt Ion:180	Resp:	10641
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.6 114.8
145	34.9	28.0 42.0

