

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020224\
 Data File : VD078322.D
 Acq On : 02 Feb 2024 13:21
 Operator : RP/MD
 Sample : 04696-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024

Quant Time: Feb 03 01:16:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 03 00:20:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	202333	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	195837	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	82664	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	148659	25.897	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.600%
7) Chloroethane-d5	2.799	69	124219	25.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.960%
11) 1,1-Dichloroethene-d2	3.917	65	31322	25.271	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.080%
21) 2-Butanone-d5	6.987	46	43990	52.047	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.100%
24) Chloroform-d	7.563	84	144808	25.102	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	8.234	65	80547	25.872	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.480%
32) Benzene-d6	8.205	84	300769	26.266	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.080%
36) 1,2-Dichloropropane-d6	9.210	67	93628	26.559	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.240%
41) Toluene-d8	10.269	98	263492	25.618	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.480%
43) trans-1,3-Dichloroprop...	10.522	79	40343	25.629	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.520%
47) 2-Hexanone-d5	10.875	63	37157	51.950	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.900%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	82176	25.086	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.360%
66) 1,2-Dichlorobenzene-d4	13.816	152	78634	26.571	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3249	0.814	ug/L	92
3) Chloromethane	2.152	50	5804	1.000	ug/L	90
5) Vinyl chloride	2.275	62	6300	0.878	ug/L #	58
6) Bromomethane	2.693	94	2352	0.723	ug/L	96
8) Chloroethane	2.840	64	4085	0.894	ug/L #	77
9) Trichlorofluoromethane	3.164	101	4122m	0.808	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	3525m	1.111	ug/L	
12) 1,1-Dichloroethene	3.934	96	2982	1.015	ug/L #	1
13) Acetone	4.022	43	2242m	2.020	ug/L	
14) Carbon disulfide	4.264	76	8642	0.798	ug/L #	87
15) Methyl Acetate	4.575	43	1233m	0.742	ug/L	
16) Methylene chloride	4.799	84	7079m	1.784	ug/L	
17) trans-1,2-Dichloroethene	5.316	96	2469m	0.763	ug/L	
18) Methyl tert-butyl Ether	5.311	73	4834m	0.642	ug/L	
19) 1,1-Dichloroethane	6.116	63	4835m	0.854	ug/L	
20) cis-1,2-Dichloroethene	7.069	96	2813m	0.793	ug/L	
22) 2-Butanone	7.087	43	2048m	1.524	ug/L	
23) Bromochloromethane	7.428	128	1195m	0.763	ug/L	
25) Chloroform	7.593	83	6515	1.054	ug/L	96

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 Supervised By :Mahesh Dadoda 02/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.316	62	3142	0.792	ug/L #	72
29) Cyclohexane	7.875	56	3051m	0.689	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	3666	0.764	ug/L #	84
31) Carbon tetrachloride	7.987	117	3318	0.785	ug/L #	53
33) Benzene	8.246	78	10801	0.818	ug/L	100
34) Trichloroethene	9.028	95	2841	0.852	ug/L #	72
35) Methylcyclohexane	9.275	83	3934	0.754	ug/L	93
37) 1,2-Dichloropropane	9.305	63	2807	0.807	ug/L #	97
38) Bromodichloromethane	9.575	83	3700m	0.816	ug/L	
39) cis-1,3-Dichloropropene	10.016	75	3811	0.704	ug/L	96
40) 4-Methyl-2-pentanone	10.163	43	3002	1.390	ug/L #	89
42) Toluene	10.334	91	10287	0.749	ug/L	92
44) trans-1,3-Dichloropropene	10.552	75	3668	0.775	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	2042m	0.737	ug/L	
46) Tetrachloroethene	10.810	164	2113	0.923	ug/L	89
48) 2-Hexanone	10.928	43	2512	1.426	ug/L #	92
49) Dibromochloromethane	11.075	129	2586	0.830	ug/L	91
50) 1,2-Dibromoethane	11.181	107	2005	0.742	ug/L #	98
51) Chlorobenzene	11.604	112	7238	0.814	ug/L	88
52) Ethylbenzene	11.681	91	9929	0.673	ug/L	95
53) m,p-Xylene	11.793	106	3521	0.621	ug/L	64
54) o-Xylene	12.122	106	3950	0.723	ug/L	75
55) Styrene	12.128	104	5733m	0.581	ug/L	
57) 1,1,2,2-Tetrachloroethane	12.675	83	3354	0.944	ug/L #	83
59) Bromoform	12.293	173	1438	0.867	ug/L #	66
60) Isopropylbenzene	12.422	105	7815	0.626	ug/L #	93
61) 1,2,3-Trichloropropane	12.728	75	1851	0.878	ug/L #	57
62) 1,3,5-Trimethylbenzene	12.898	105	6306	0.645	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	6240	0.645	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	4037	0.724	ug/L	93
65) 1,4-Dichlorobenzene	13.540	146	4330	0.742	ug/L	93
67) 1,2-Dichlorobenzene	13.834	146	4946	0.938	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	305m	0.653	ug/L	
69) 1,3,5-Trichlorobenzene	14.598	180	2708	0.789	ug/L #	65
70) 1,2,4-trichlorobenzene	15.098	180	2459	0.828	ug/L #	75
71) Naphthalene	15.334	128	4950	0.712	ug/L #	73
72) 1,2,3-Trichlorobenzene	15.516	180	2227	0.804	ug/L	90

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

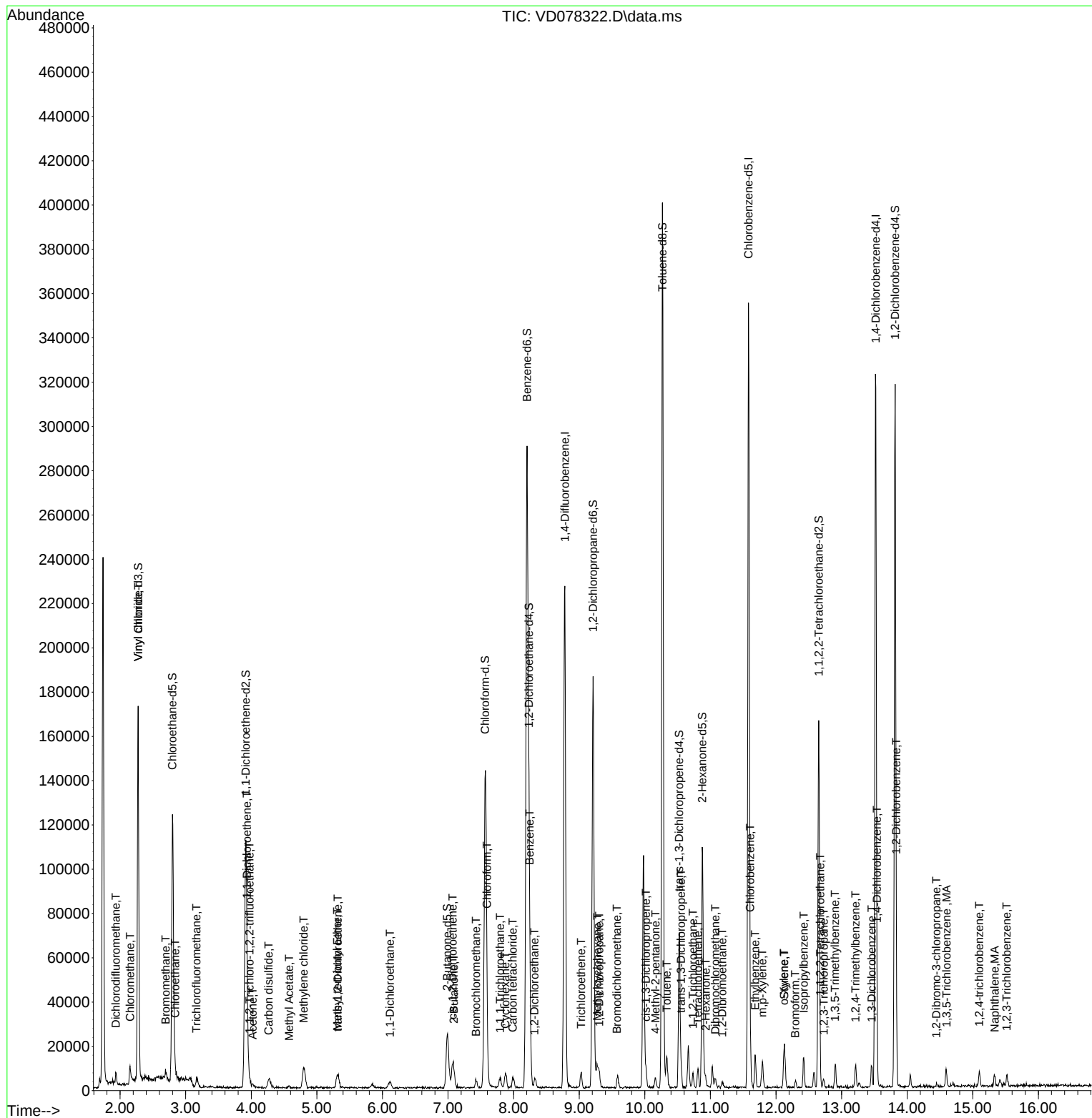
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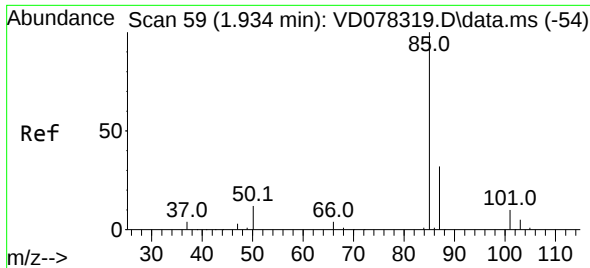
Instrument :
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
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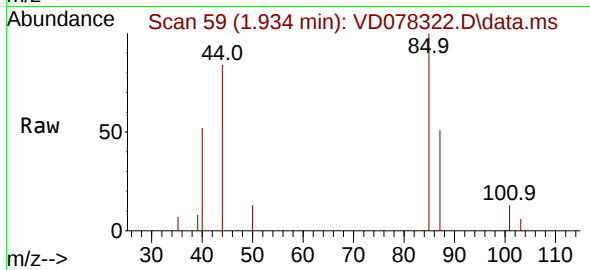
Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024





#2
 Dichlorodifluoromethane
 Concen: 0.814 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD078322.D
 Acq: 02 Feb 2024 13:21

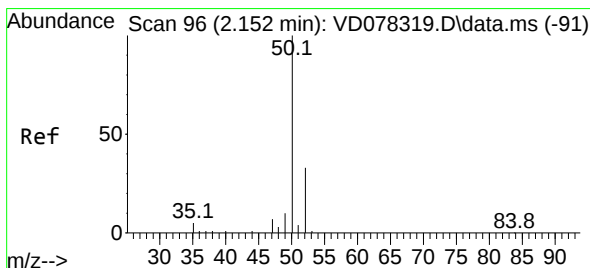
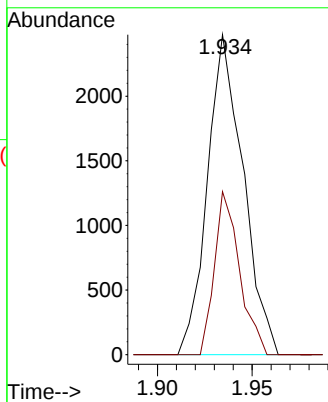
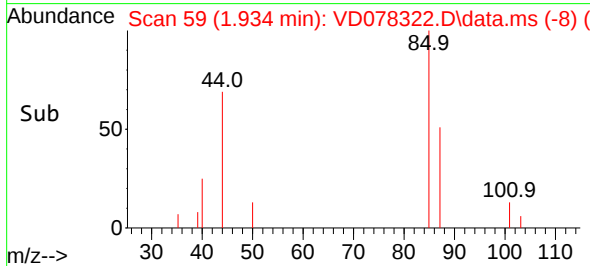
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07



Tgt Ion: 85 Resp: 3249
 Ion Ratio Lower Upper
 85 100
 87 35.8 25.3 37.9

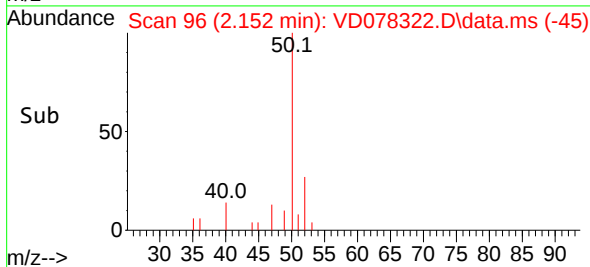
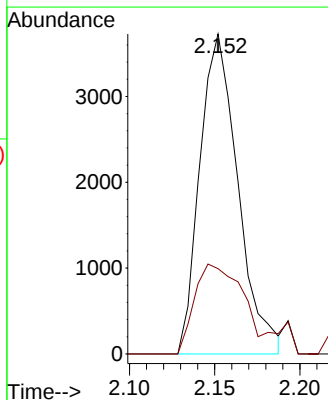
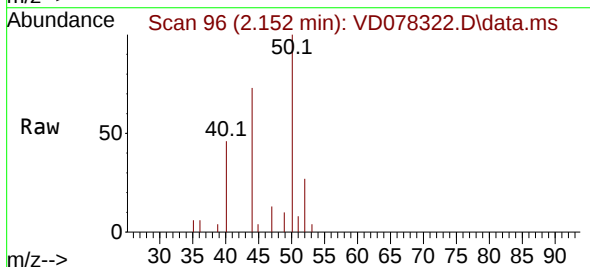
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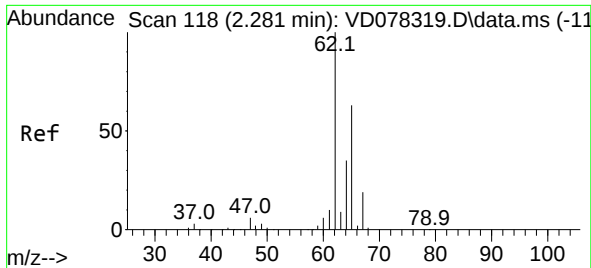
Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024



#3
 Chloromethane
 Concen: 1.000 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD078322.D
 Acq: 02 Feb 2024 13:21

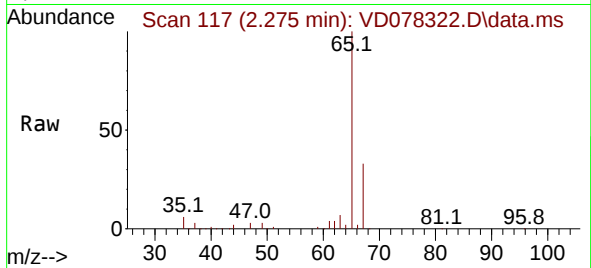
Tgt Ion: 50 Resp: 5804
 Ion Ratio Lower Upper
 50 100
 52 26.6 22.7 42.3





#5
 Vinyl chloride
 Concen: 0.878 ug/L
 RT: 2.275 min Scan# 118
 Delta R.T. -0.006 min
 Lab File: VD078322.D
 Acq: 02 Feb 2024 13:21

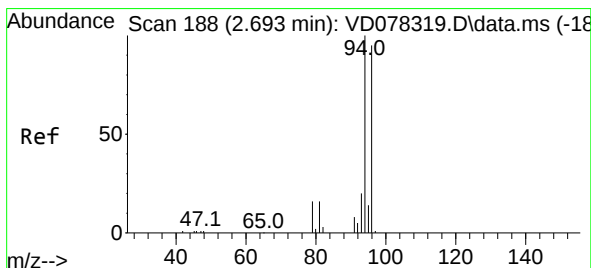
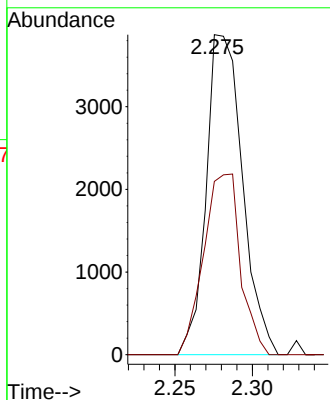
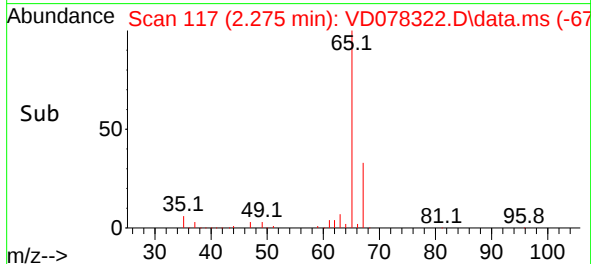
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07



Tgt Ion: 62 Resp: 6300
 Ion Ratio Lower Upper
 62 100
 64 54.1 21.7 40.3

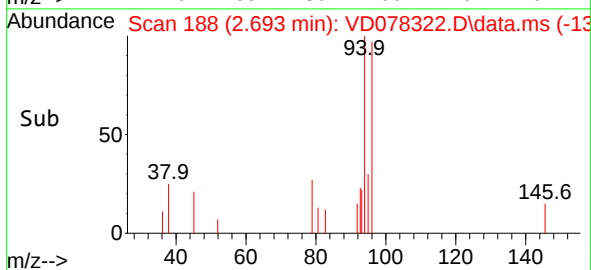
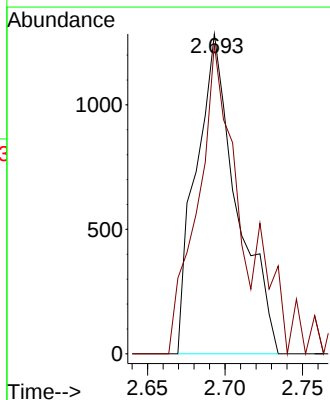
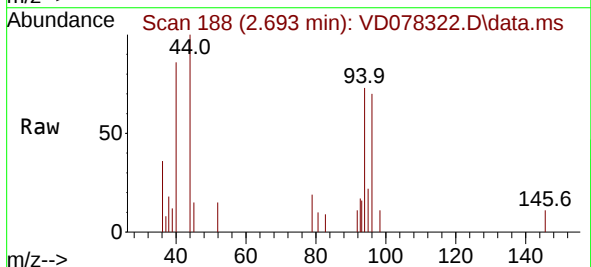
Manual Integrations
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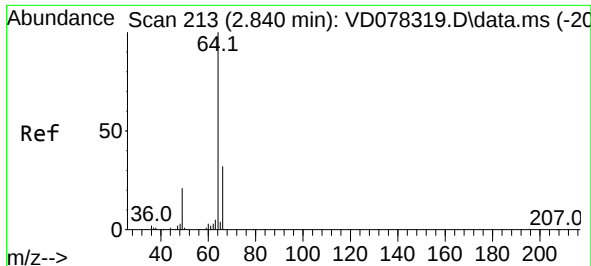
Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024



#6
 Bromomethane
 Concen: 0.723 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD078322.D
 Acq: 02 Feb 2024 13:21

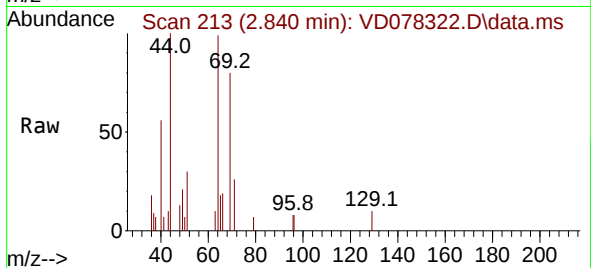
Tgt Ion: 94 Resp: 2352
 Ion Ratio Lower Upper
 94 100
 96 96.7 64.8 120.4





#8
Chloroethane
Concen: 0.894 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

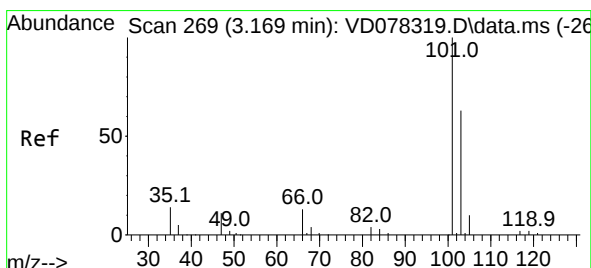
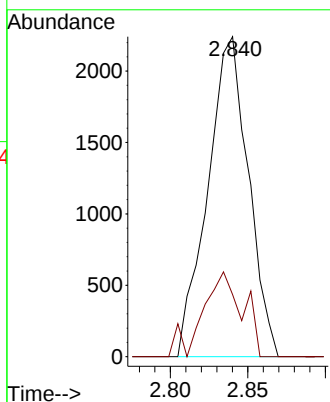
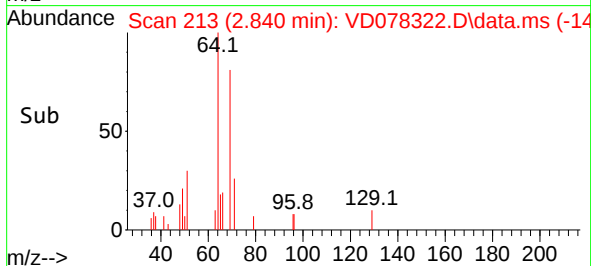
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 64 Resp: 4085
Ion Ratio Lower Upper
64 100
66 19.4 22.8 42.4

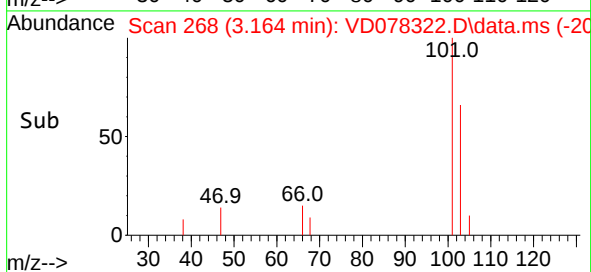
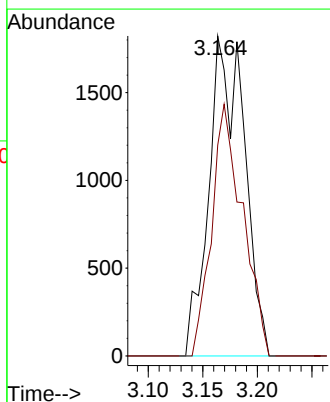
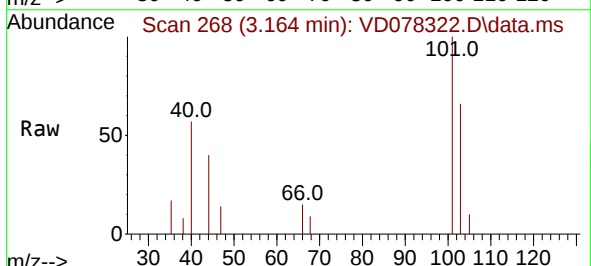
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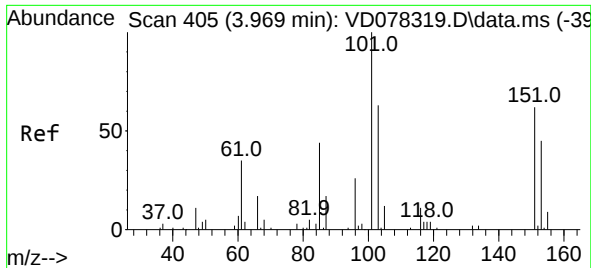
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#9
Trichlorofluoromethane
Concen: 0.808 ug/L m
RT: 3.164 min Scan# 268
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Tgt Ion:101 Resp: 4122
Ion Ratio Lower Upper
101 100
103 68.4 51.1 76.7





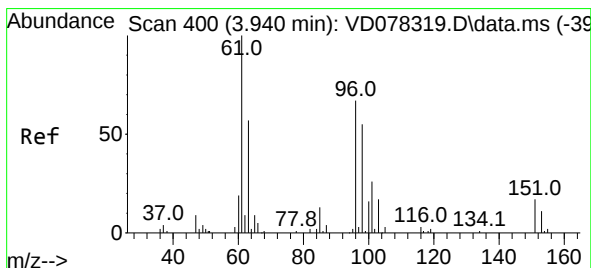
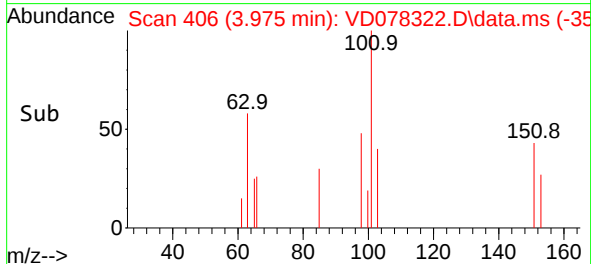
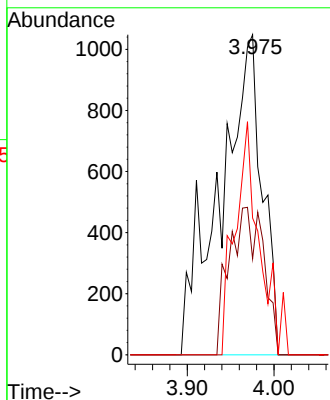
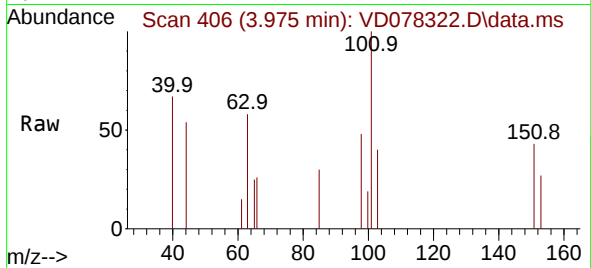
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.111 ug/L m
RT: 3.975 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Instrument :
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Tgt Ion:101 Resp: 352
Ion Ratio Lower Upper
101 100
85 12.0 34.6 51.8
151 3.0 54.6 81.8

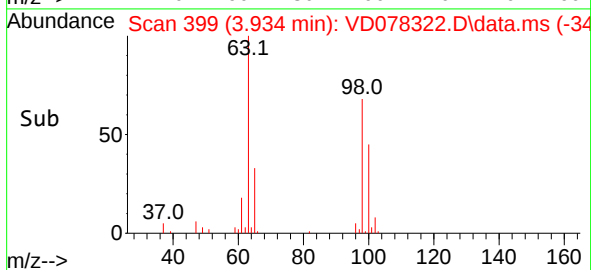
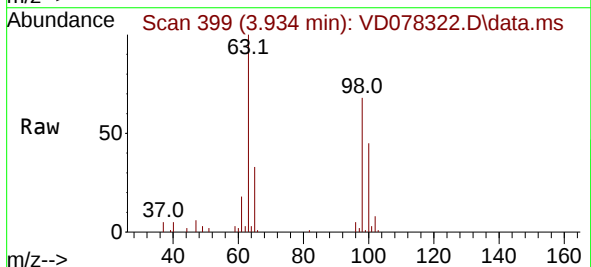
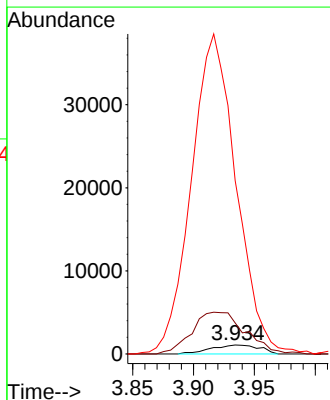
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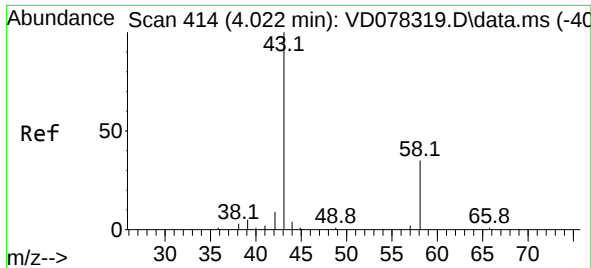
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#12
1,1-Dichloroethene
Concen: 1.015 ug/L
RT: 3.934 min Scan# 399
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

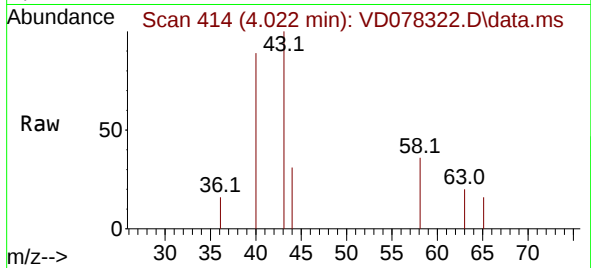
Tgt Ion: 96 Resp: 2982
Ion Ratio Lower Upper
96 100
61 344.3 108.8 202.2#
63 1923.7 65.2 121.0#





#13
Acetone
Concen: 2.020 ug/L m
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078322.D
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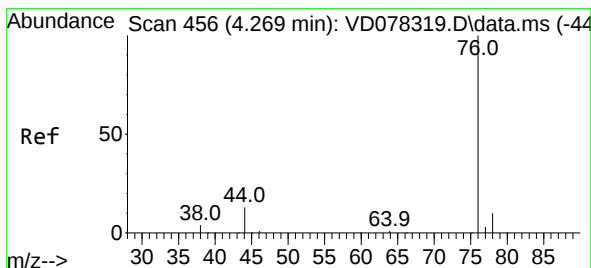
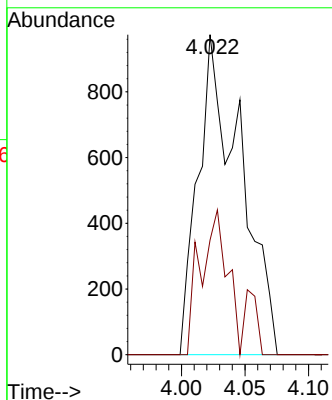
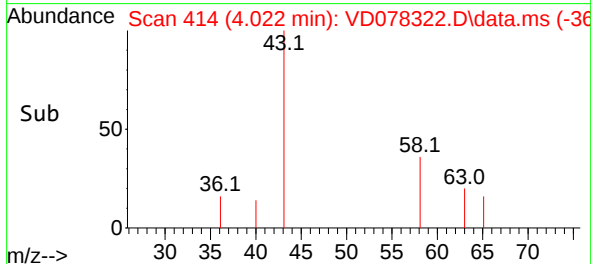
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Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
58 20.2 0.0 67.2

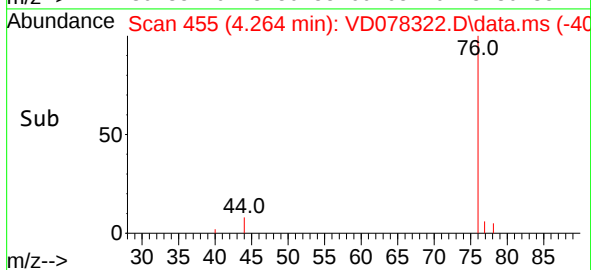
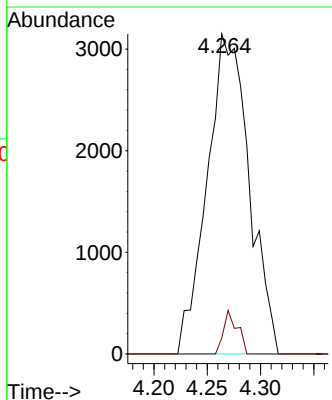
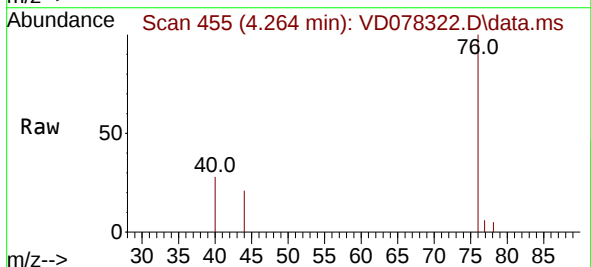
Manual Integrations
APPROVED

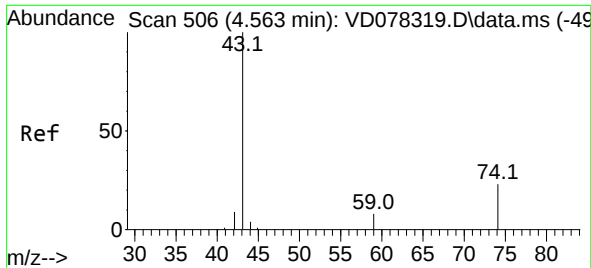
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#14
Carbon disulfide
Concen: 0.798 ug/L
RT: 4.264 min Scan# 455
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Tgt Ion: 76 Resp: 8642
Ion Ratio Lower Upper
76 100
78 5.0 7.8 11.8#





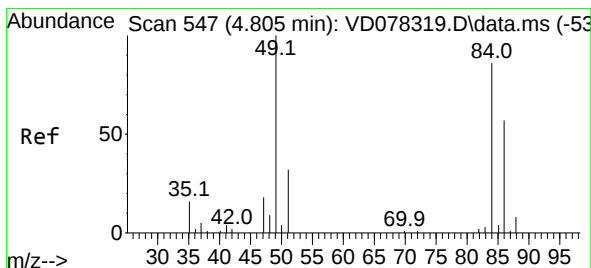
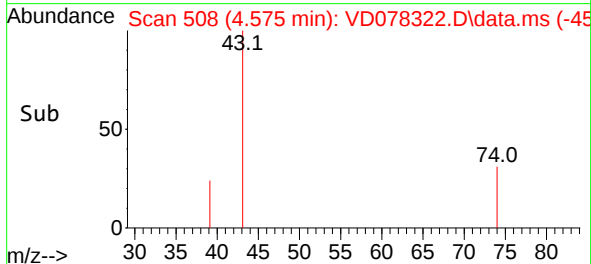
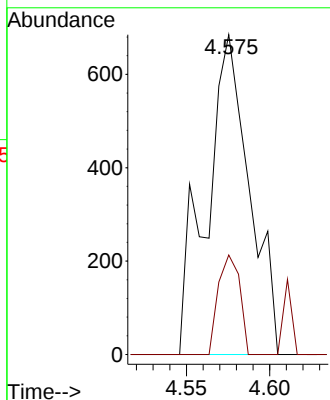
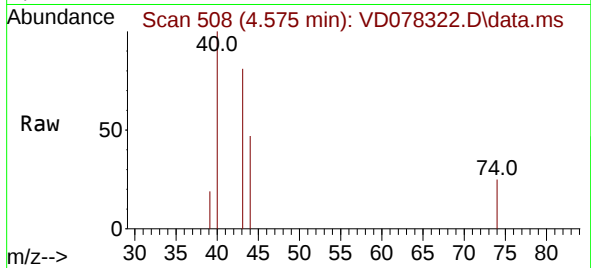
#15
Methyl Acetate
Concen: 0.742 ug/L m
RT: 4.575 min Scan# 506
Delta R.T. 0.012 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1

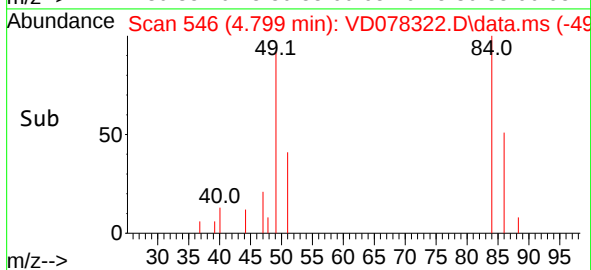
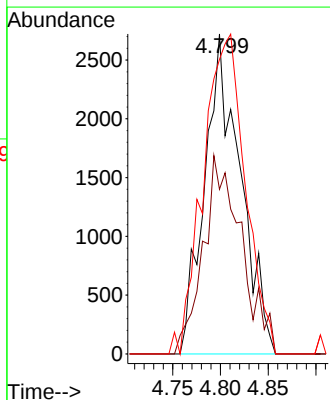
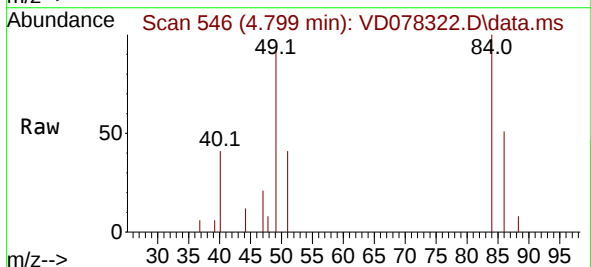
Manual Integrations
APPROVED

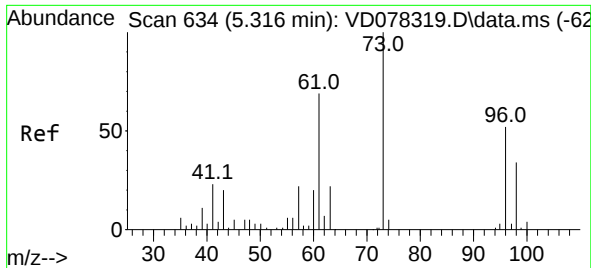
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#16
Methylene chloride
Concen: 1.784 ug/L m
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

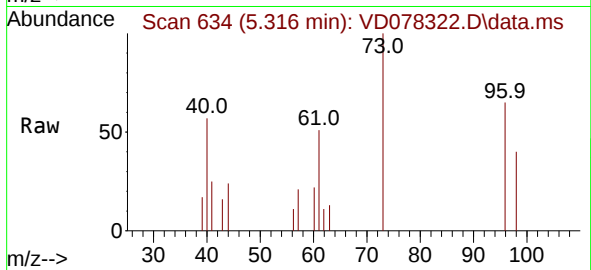
Tgt Ion: 84 Resp: 7079
Ion Ratio Lower Upper
84 100
86 51.5 45.4 84.2
49 92.0 77.3 143.7





#17
trans-1,2-Dichloroethene
Concen: 0.763 ug/L m
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

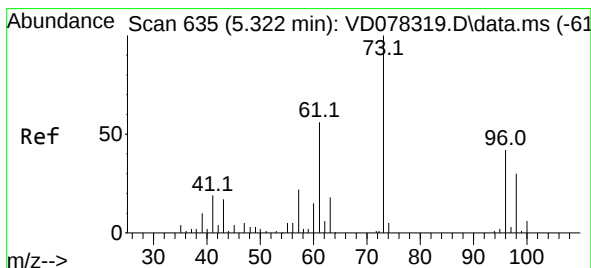
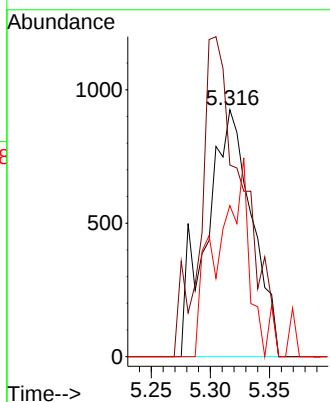
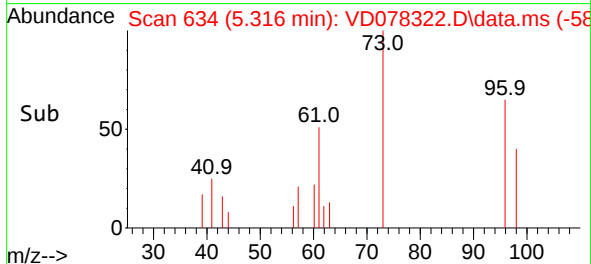
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 96 Resp: 2469
Ion Ratio Lower Upper
96 100
61 77.6 82.7 153.7
98 61.2 40.7 75.7

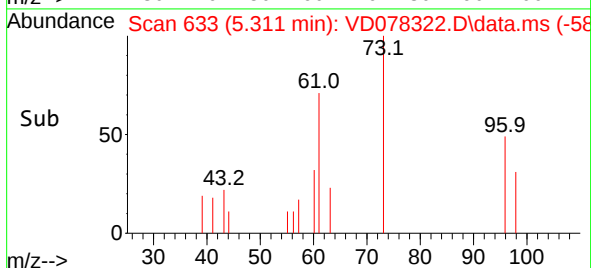
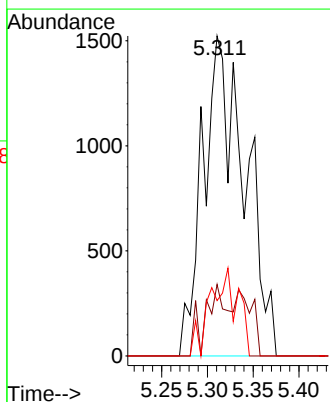
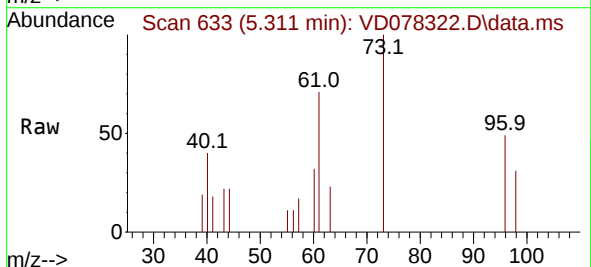
Manual Integrations
APPROVED

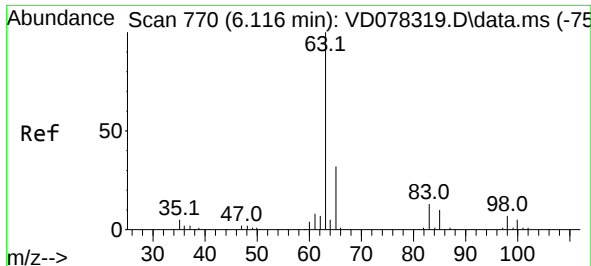
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#18
Methyl tert-butyl Ether
Concen: 0.642 ug/L m
RT: 5.311 min Scan# 633
Delta R.T. -0.012 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Tgt Ion: 73 Resp: 4834
Ion Ratio Lower Upper
73 100
43 5.8 13.3 19.9#
57 4.2 17.2 25.8#





#19

1,1-Dichloroethane

Concen: 0.854 ug/L m

RT: 6.116 min Scan# 770

Delta R.T. 0.000 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07

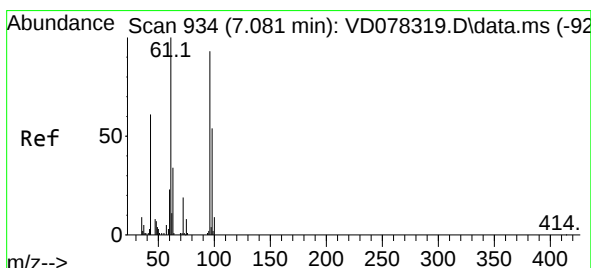
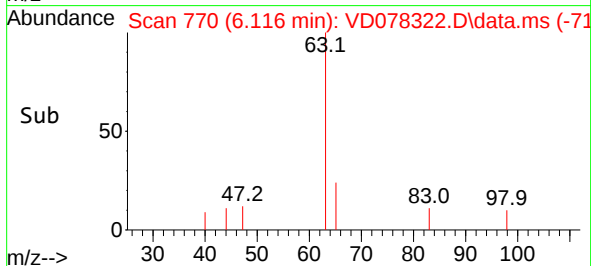
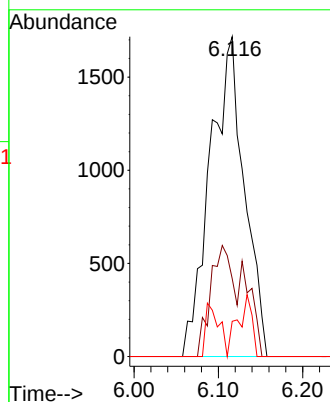
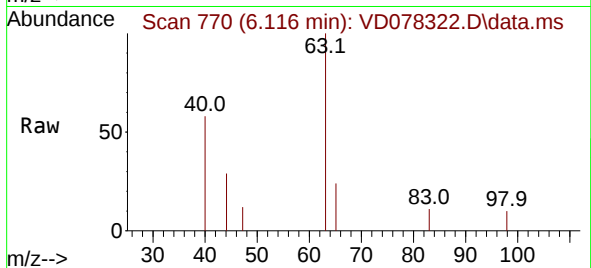
Tgt Ion: 63 Resp: 483

Ion	Ratio	Lower	Upper
63	100		
65	24.4	21.8	40.4
83	11.0	10.1	18.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#20

cis-1,2-Dichloroethene

Concen: 0.793 ug/L m

RT: 7.069 min Scan# 932

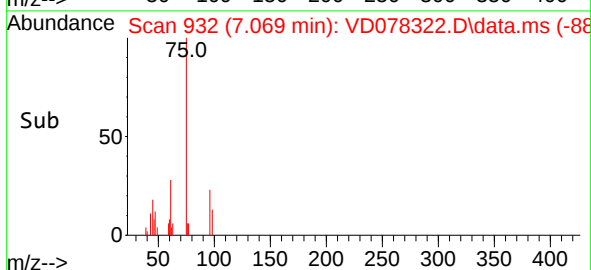
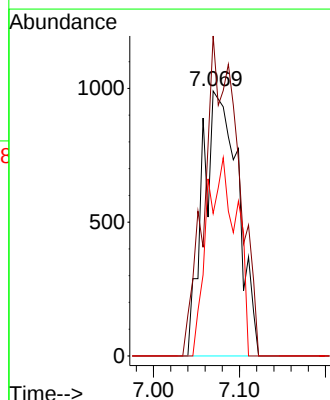
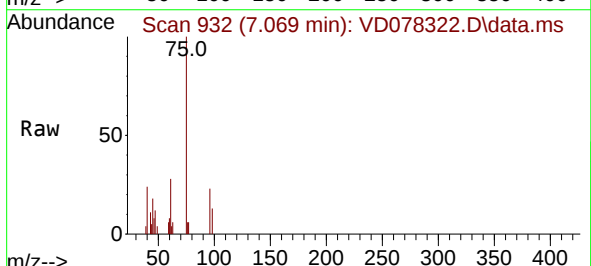
Delta R.T. -0.012 min

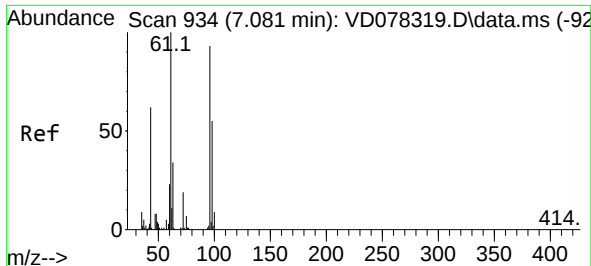
Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Tgt Ion: 96 Resp: 2813

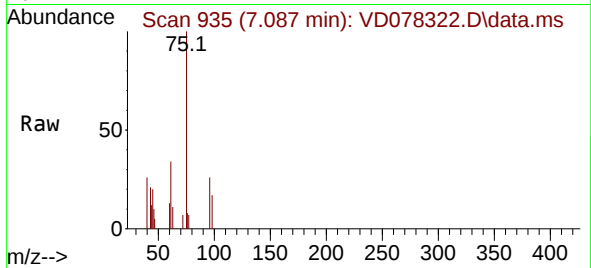
Ion	Ratio	Lower	Upper
96	100		
61	120.8	75.6	140.4
98	53.8	43.1	80.1





#22
2-Butanone
Concen: 1.524 ug/L m
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

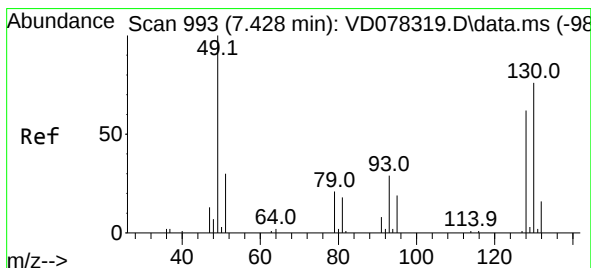
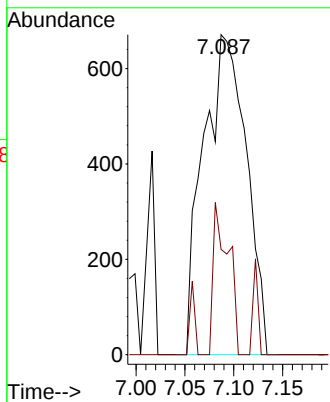
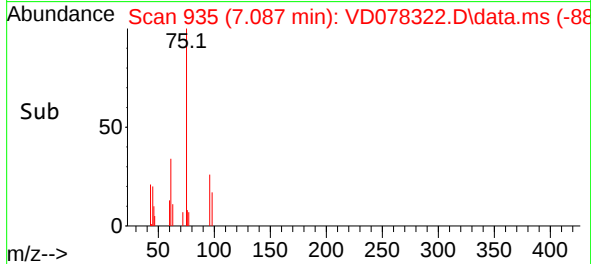
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
72 12.9 15.4 46.2

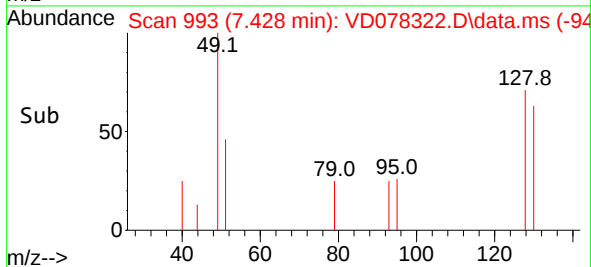
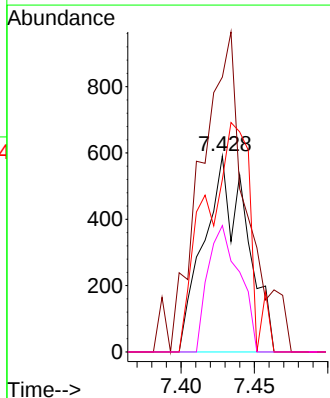
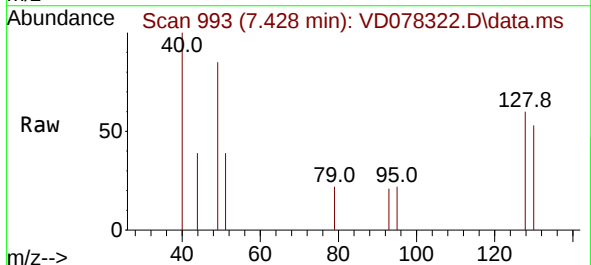
Manual Integrations
APPROVED

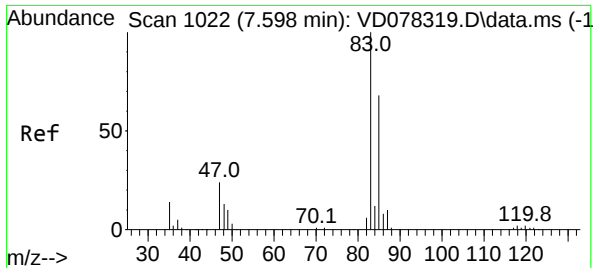
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#23
Bromochloromethane
Concen: 0.763 ug/L m
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Tgt Ion:128 Resp: 1195
Ion Ratio Lower Upper
128 100
49 140.3 102.7 190.7
130 88.0 82.6 153.4
51 64.5 40.6 60.8





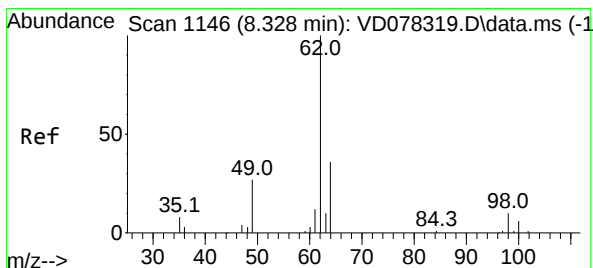
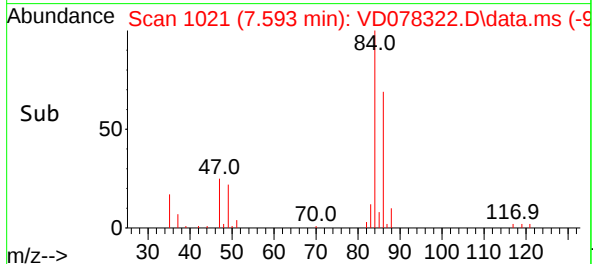
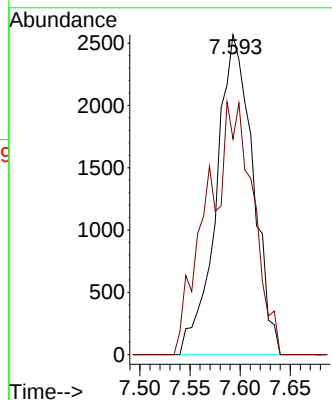
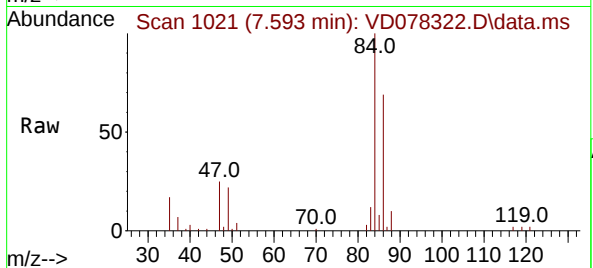
#25
Chloroform
Concen: 1.054 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 83 Resp: 651
Ion Ratio Lower Upper
83 100
85 67.4 44.9 83.3

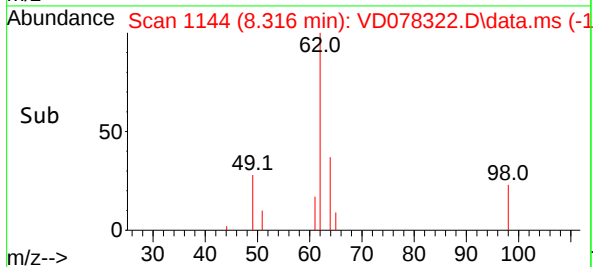
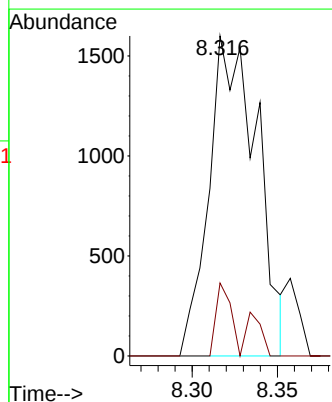
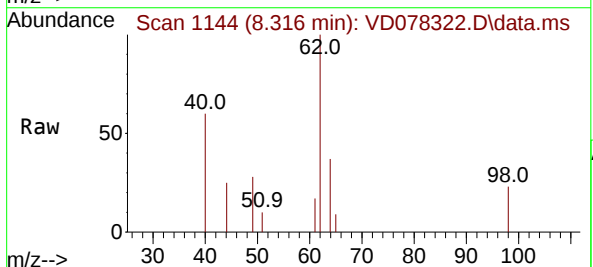
Manual Integrations
APPROVED

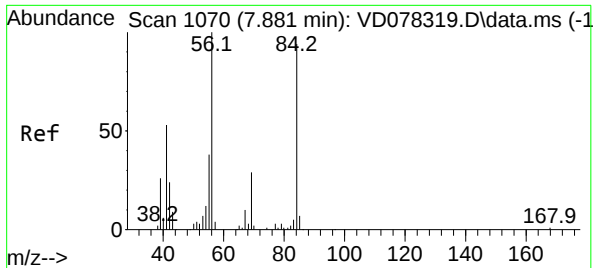
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#27
1,2-Dichloroethane
Concen: 0.792 ug/L
RT: 8.316 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

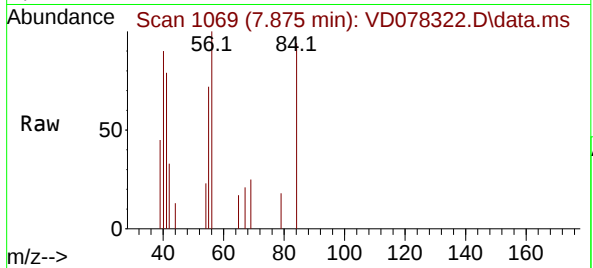
Tgt Ion: 62 Resp: 3142
Ion Ratio Lower Upper
62 100
98 22.8 9.5 14.3#





#29
Cyclohexane
Concen: 0.689 ug/L m
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

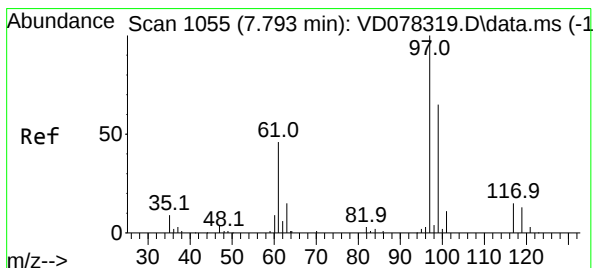
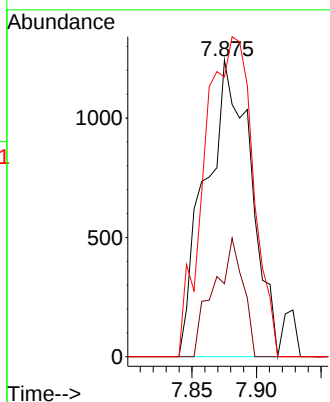
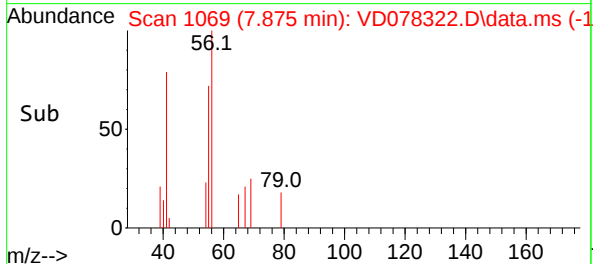
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 56 Resp: 305
Ion Ratio Lower Upper
56 100
69 25.6 23.3 34.9
84 56.1 74.7 112.1

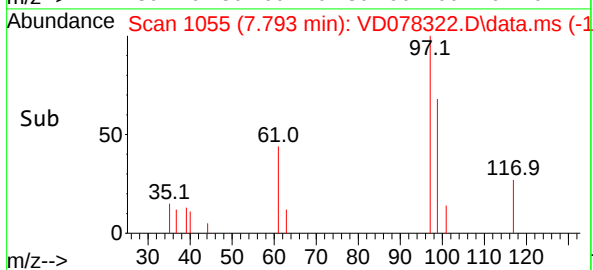
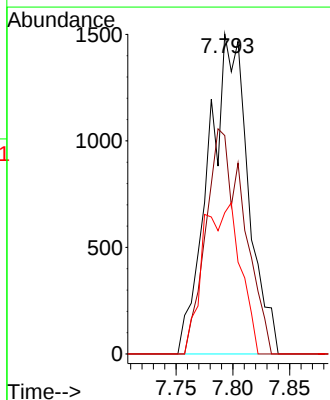
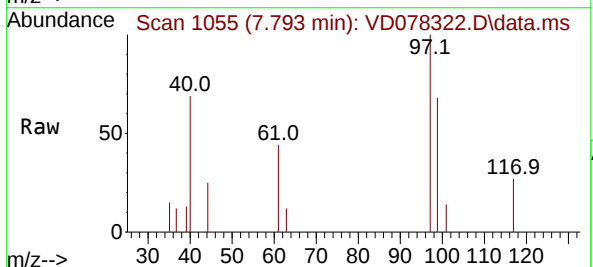
Manual Integrations
APPROVED

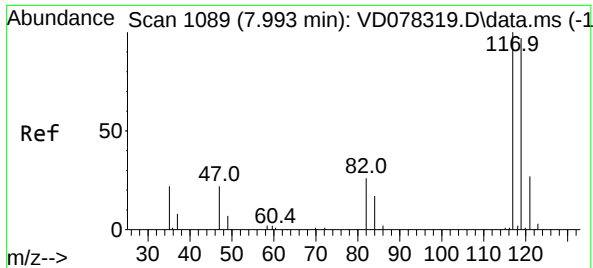
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#30
1,1,1-Trichloroethane
Concen: 0.764 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

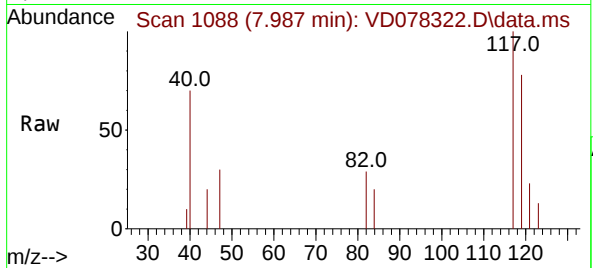
Tgt Ion: 97 Resp: 3666
Ion Ratio Lower Upper
97 100
99 67.0 50.7 76.1
61 22.6 34.4 51.6





#31
Carbon tetrachloride
Concen: 0.785 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

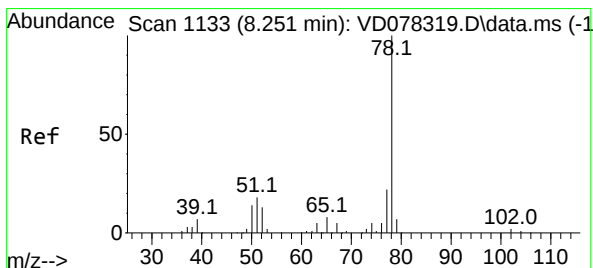
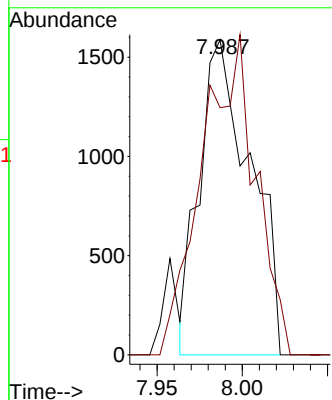
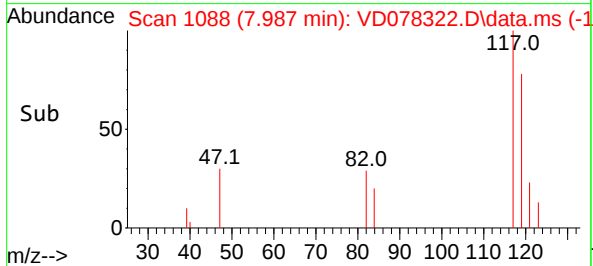
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion:117 Resp: 3318
Ion Ratio Lower Upper
117 100
119 49.9 77.0 115.4

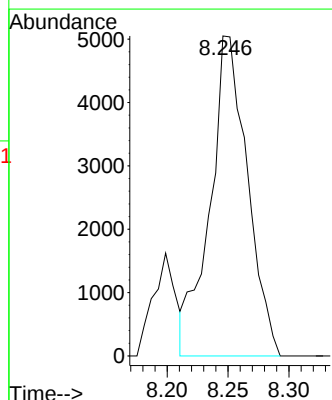
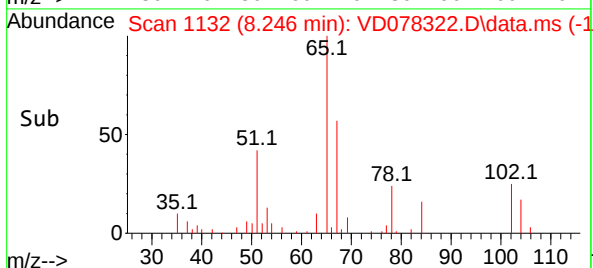
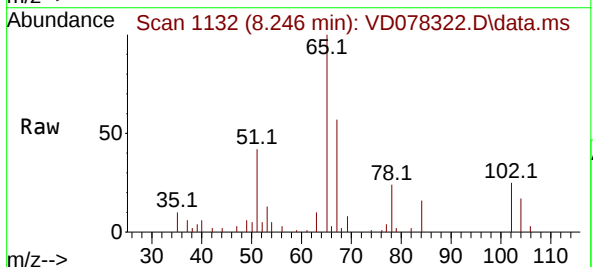
Manual Integrations
APPROVED

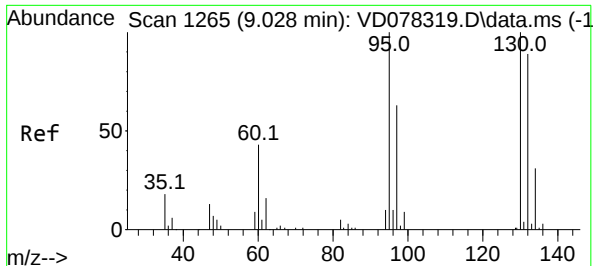
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#33
Benzene
Concen: 0.818 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Tgt Ion: 78 Resp: 10801





#34

Trichloroethene

Concen: 0.852 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07

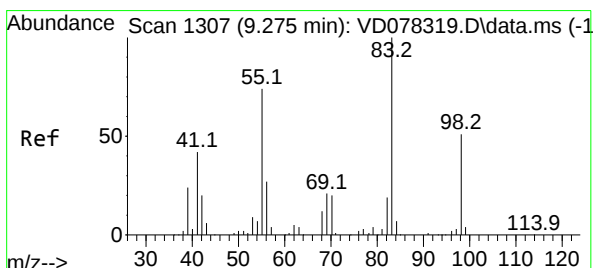
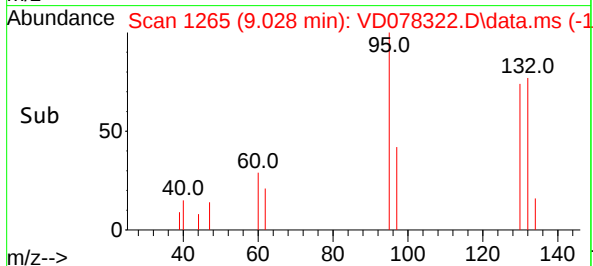
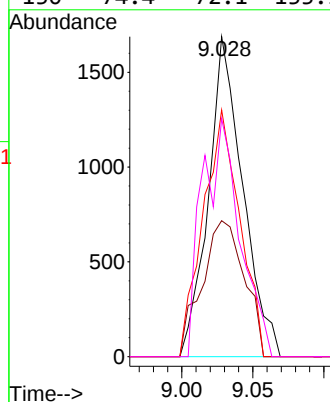
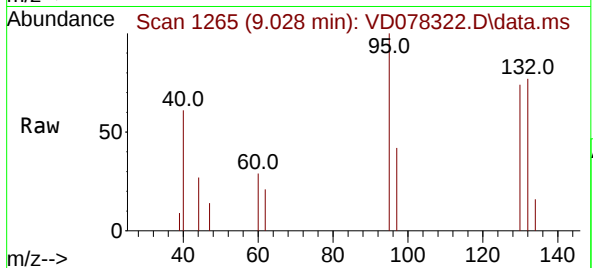
Tgt Ion: 95 Resp: 284

Ion	Ratio	Lower	Upper
95	100		
97	42.5	46.9	87.1
132	77.1	73.7	136.9
130	74.4	72.1	133.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#35

Methylcyclohexane

Concen: 0.754 ug/L

RT: 9.275 min Scan# 1307

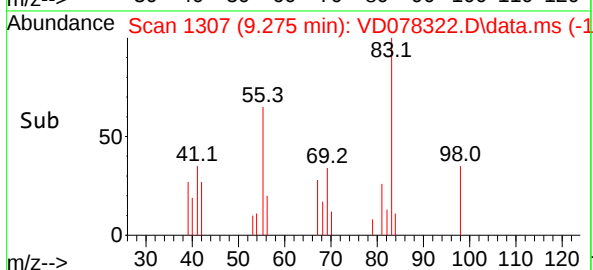
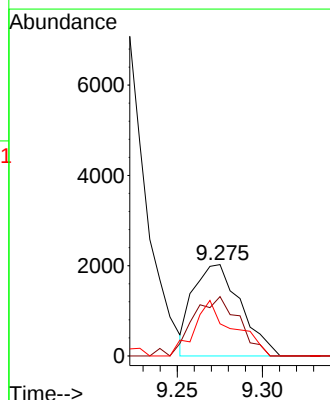
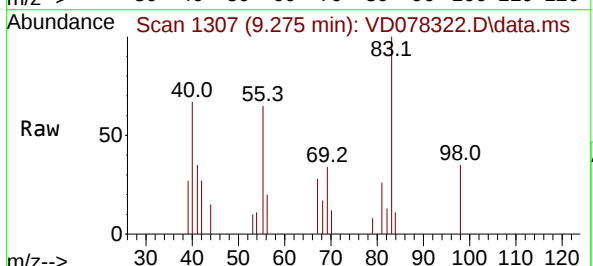
Delta R.T. 0.000 min

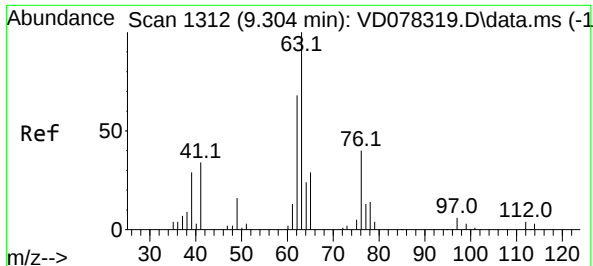
Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Tgt Ion: 83 Resp: 3934

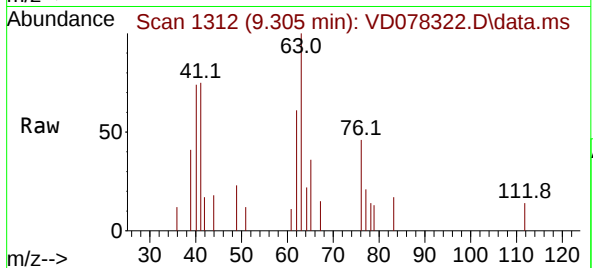
Ion	Ratio	Lower	Upper
83	100		
55	61.8	56.2	84.4
98	49.4	41.2	61.8





#37
1,2-Dichloropropane
Concen: 0.807 ug/L
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

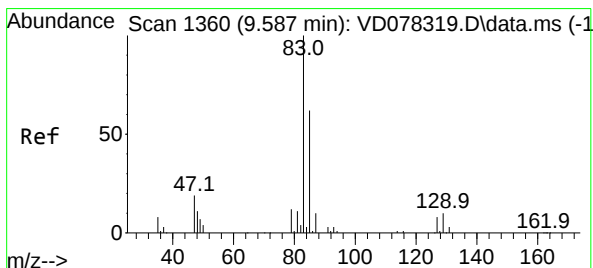
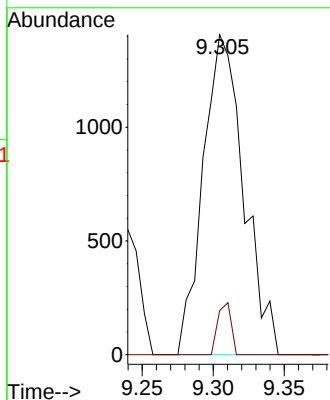
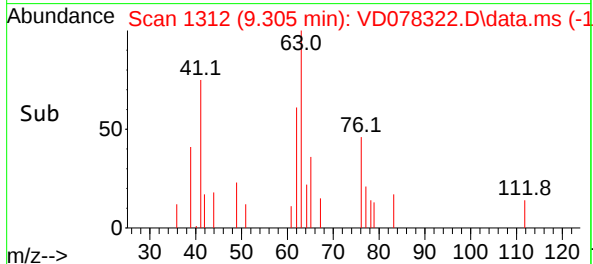
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



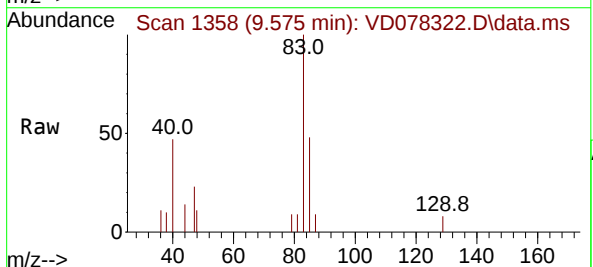
Tgt Ion: 63 Resp: 280
Ion Ratio Lower Upper
63 100
112 5.3 3.4 5.2

Manual Integrations
APPROVED

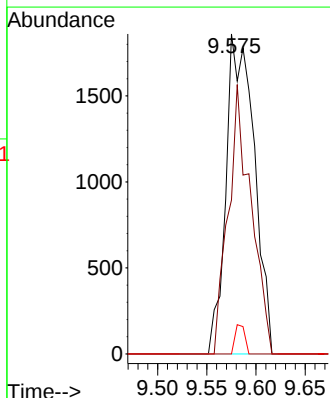
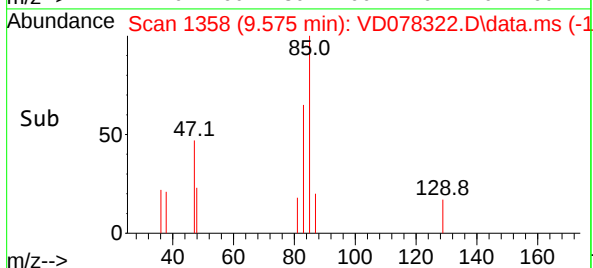
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

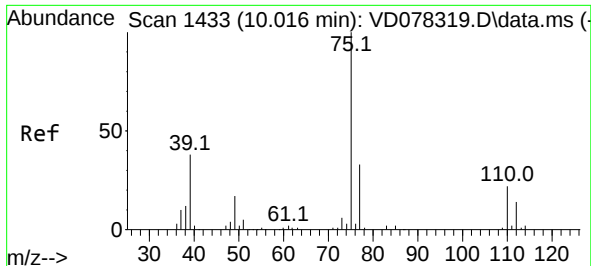


#38
Bromodichloromethane
Concen: 0.816 ug/L m
RT: 9.575 min Scan# 1358
Delta R.T. -0.012 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21



Tgt Ion: 83 Resp: 3700
Ion Ratio Lower Upper
83 100
85 48.1 46.6 86.6
127 0.0 8.1 12.1





#39

cis-1,3-Dichloropropene

Concen: 0.704 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Instrument :

MSVOA_D

ClientSampleId :

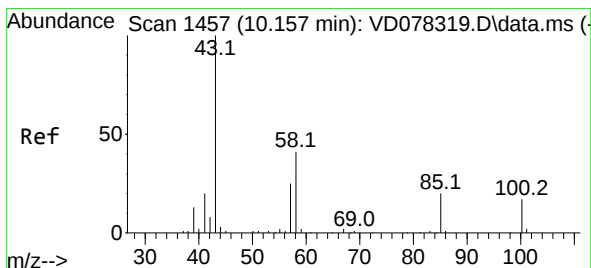
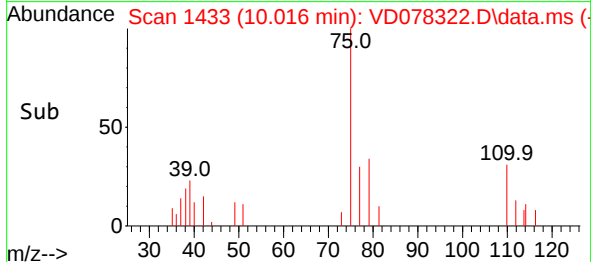
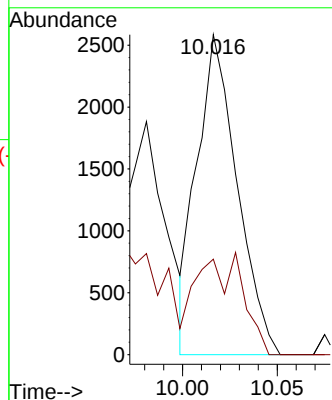
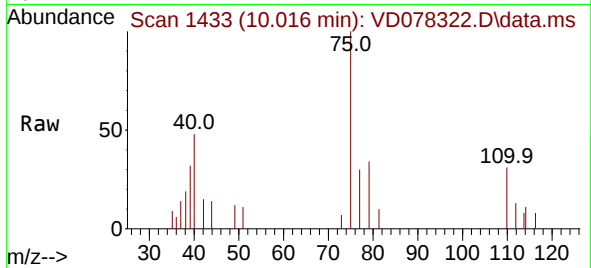
MDL-SOIL-QT4-2023-07

Tgt Ion: 75	Resp: 381
Ion Ratio	Lower Upper
75 100	
77 29.8	22.3 41.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#40

4-Methyl-2-pentanone

Concen: 1.390 ug/L

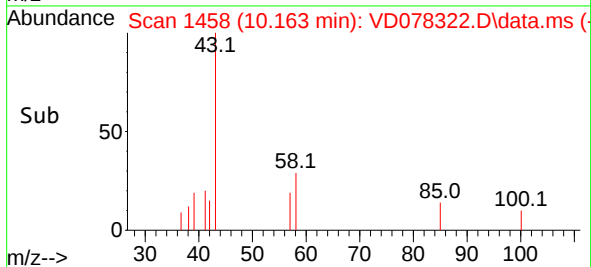
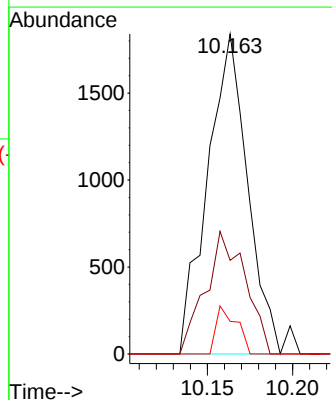
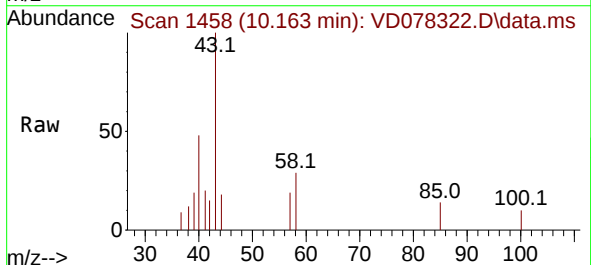
RT: 10.163 min Scan# 1458

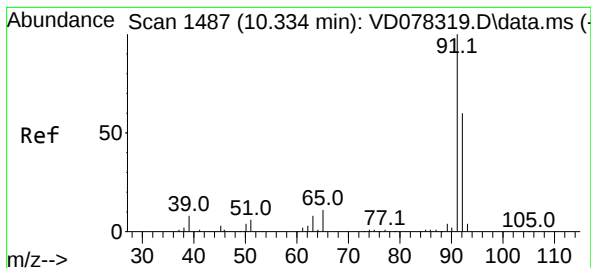
Delta R.T. 0.006 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Tgt Ion: 43	Resp: 3002
Ion Ratio	Lower Upper
43 100	
58 38.2	34.0 51.0
100 7.6	13.2 19.8





#42

Toluene

Concen: 0.749 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 91 Resp: 1028

Ion Ratio Lower Upper

91 100

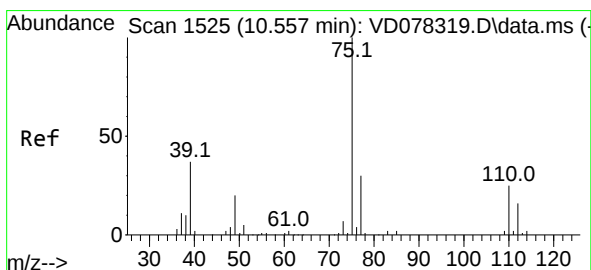
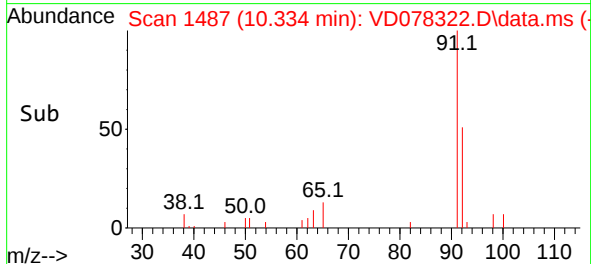
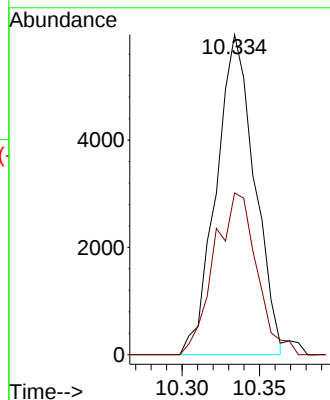
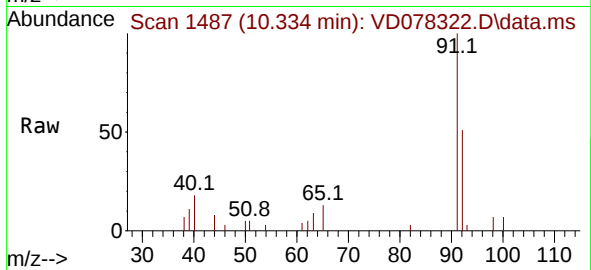
92 50.6 39.5 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#44

trans-1,3-Dichloropropene

Concen: 0.775 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VD078322.D

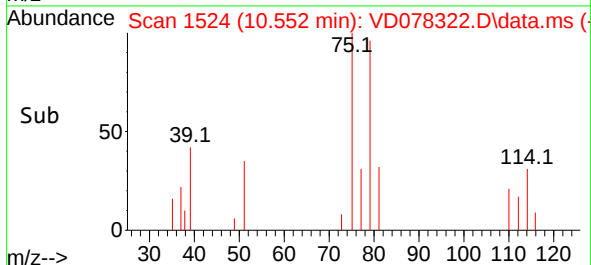
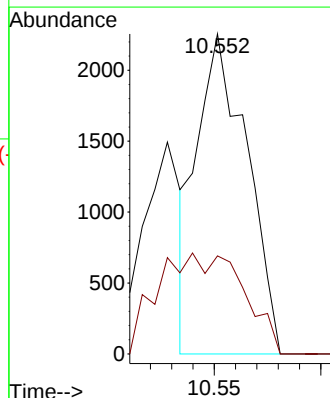
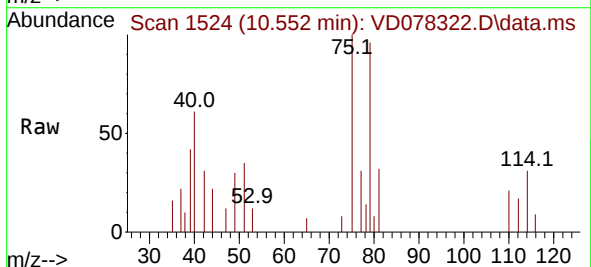
Acq: 02 Feb 2024 13:21

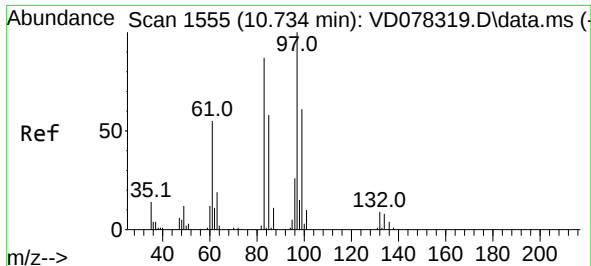
Tgt Ion: 75 Resp: 3668

Ion Ratio Lower Upper

75 100

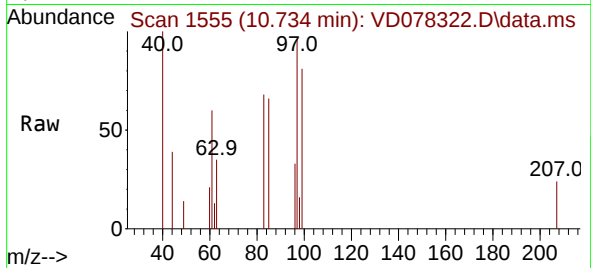
77 30.6 20.7 38.5





#45
1,1,2-Trichloroethane
Concen: 0.737 ug/L m
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

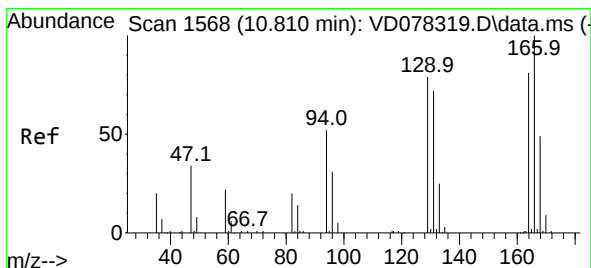
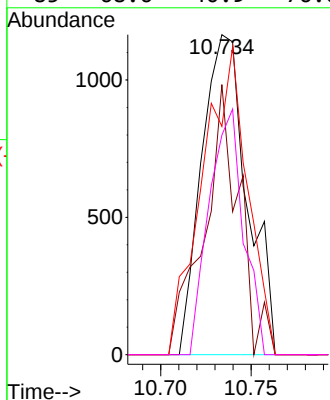
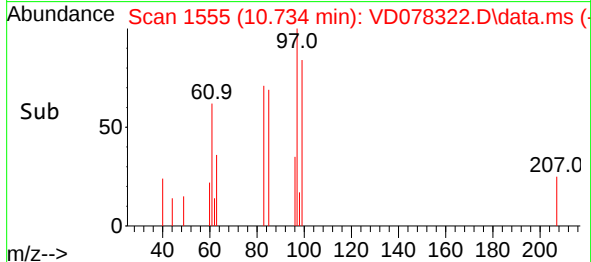
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:	97	Resp:	204
Ion	Ratio	Lower	Upper
97	100		
99	84.4	45.4	84.4
83	71.3	59.5	110.5
85	68.6	40.9	76.0

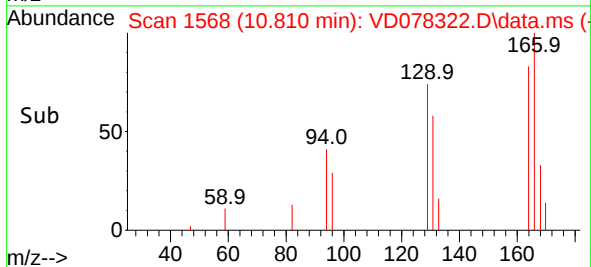
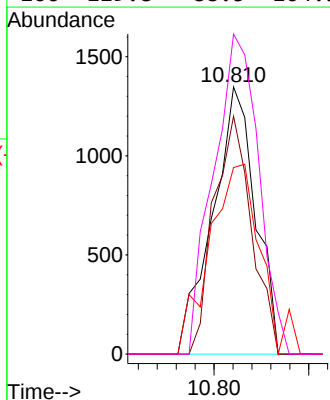
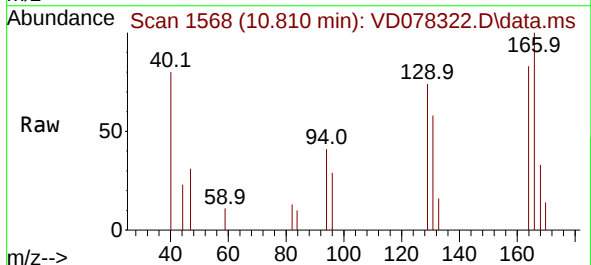
Manual Integrations
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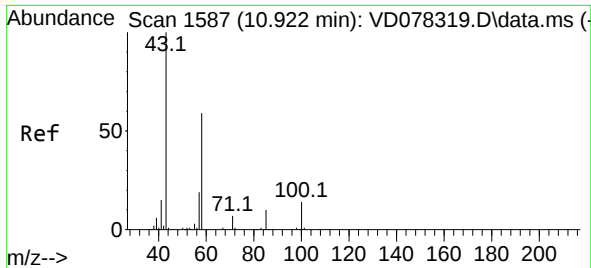
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#46
Tetrachloroethene
Concen: 0.923 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

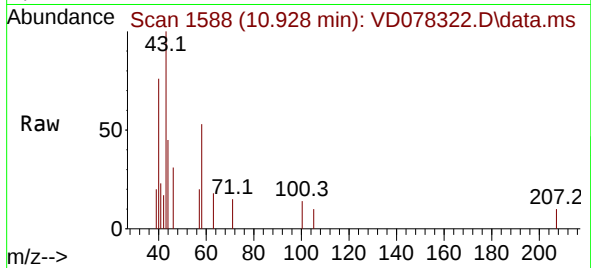
Tgt Ion:	164	Resp:	2113
Ion	Ratio	Lower	Upper
164	100		
129	89.0	66.7	123.9
131	69.8	65.2	121.0
166	119.8	88.5	164.3





#48
2-Hexanone
Concen: 1.426 ug/L
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

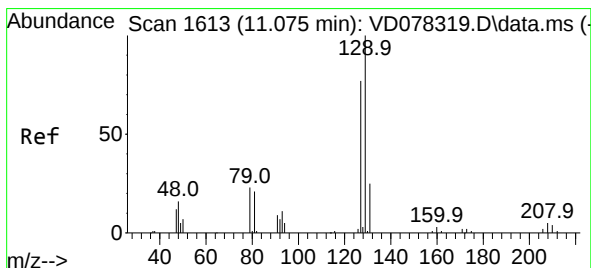
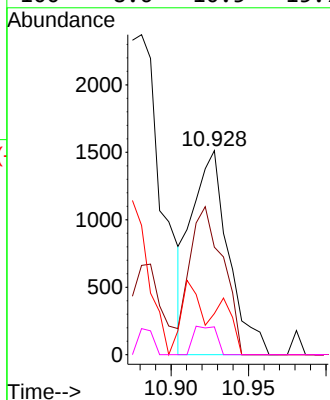
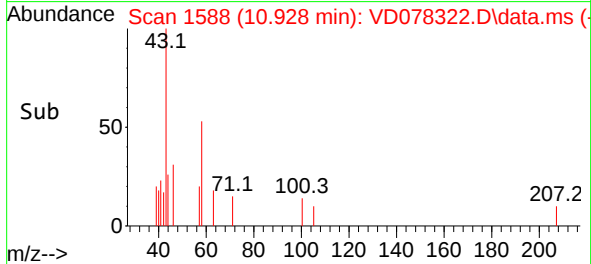
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
58 65.1 48.5 72.7
57 14.1 15.6 23.4
100 8.6 10.5 15.7#

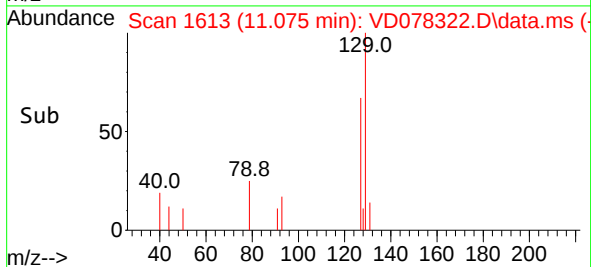
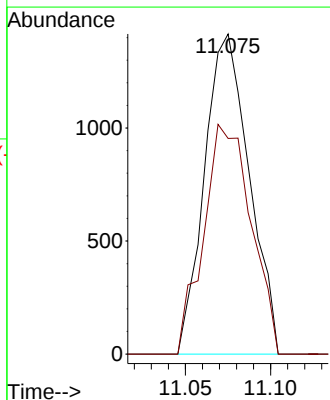
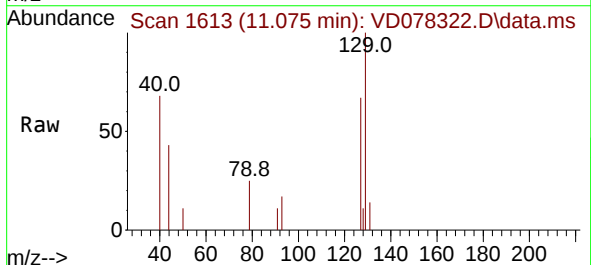
Manual Integrations
APPROVED

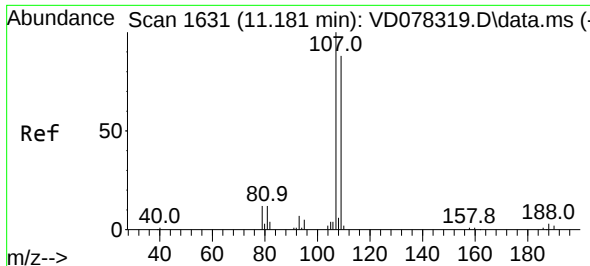
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#49
Dibromochloromethane
Concen: 0.830 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

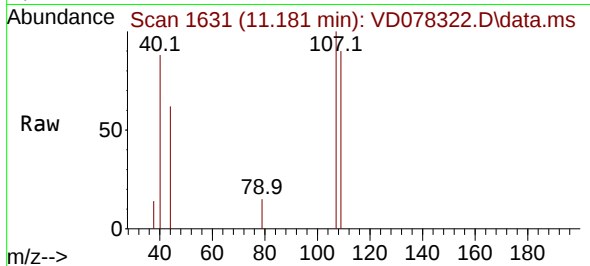
Tgt Ion:129 Resp: 2586
Ion Ratio Lower Upper
129 100
127 67.4 52.7 97.9





#50
1,2-Dibromoethane
Concen: 0.742 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

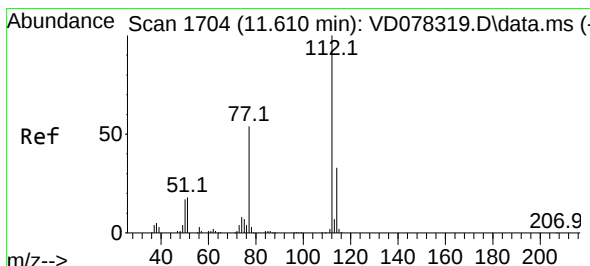
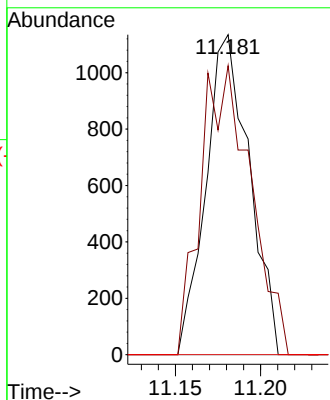
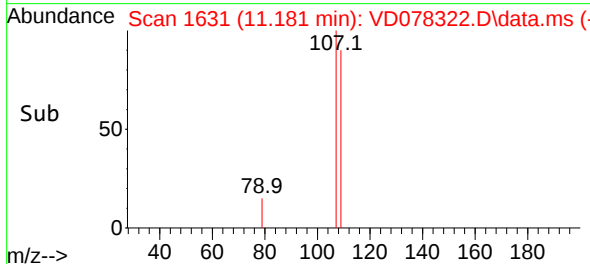
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



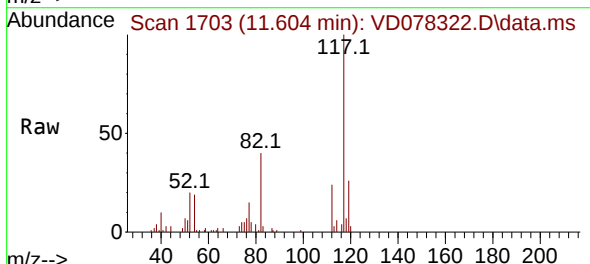
Tgt Ion:	107	Resp:	2000
Ion Ratio	Lower	Upper	
107	100		
109	90.3	64.0	118.8
188	0.0	3.1	4.7

Manual Integrations
APPROVED

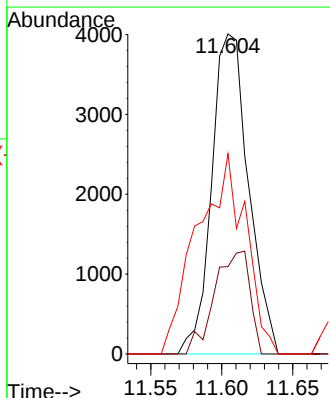
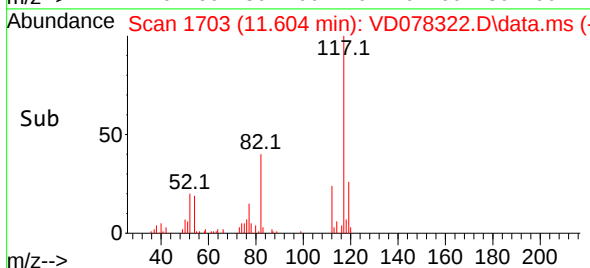
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

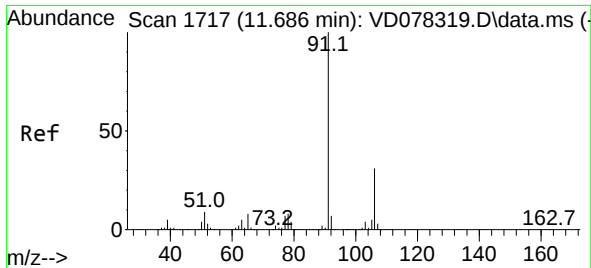


#51
Chlorobenzene
Concen: 0.814 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21



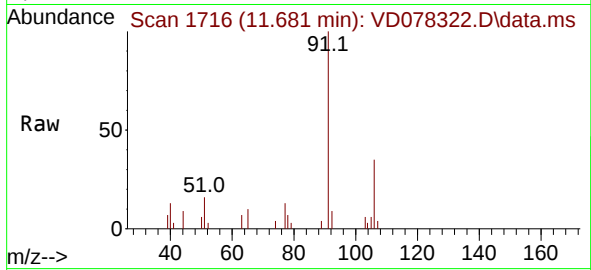
Tgt Ion:	112	Resp:	7238
Ion Ratio	Lower	Upper	
112	100		
114	27.3	22.3	41.3
77	62.6	42.3	63.5





#52
Ethylbenzene
Concen: 0.673 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

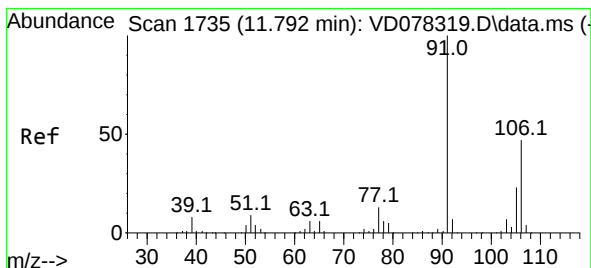
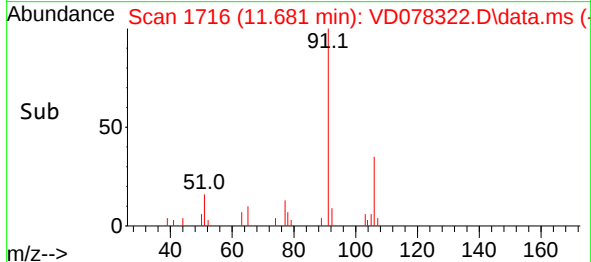
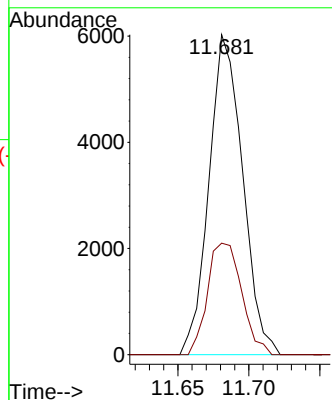
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 91 Resp: 9929
Ion Ratio Lower Upper
91 100
106 34.8 22.5 41.7

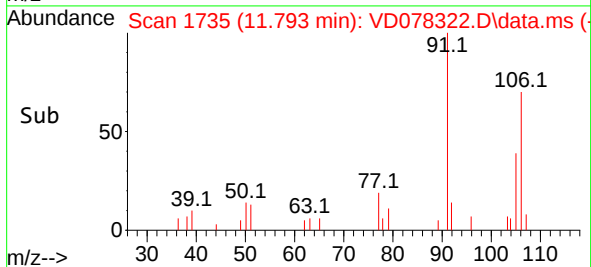
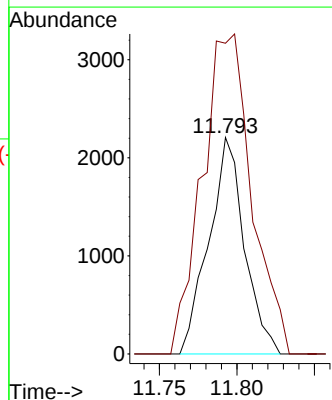
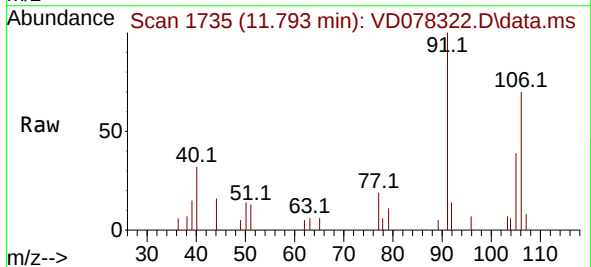
Manual Integrations
APPROVED

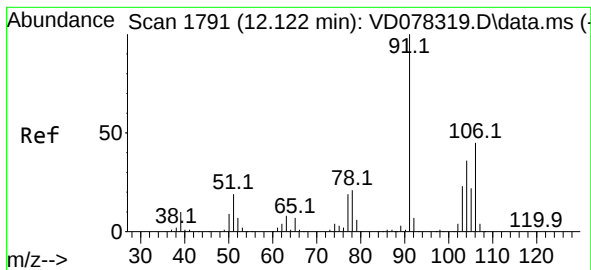
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#53
m,p-Xylene
Concen: 0.621 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Tgt Ion:106 Resp: 3521
Ion Ratio Lower Upper
106 100
91 143.5 138.3 256.8





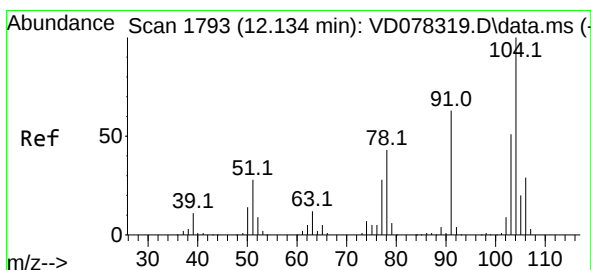
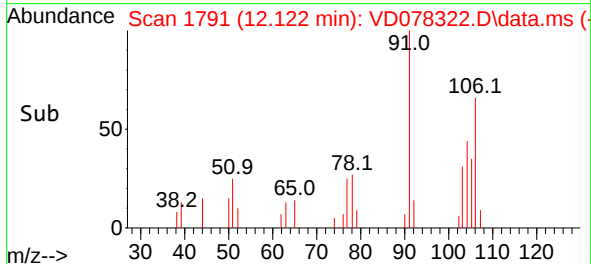
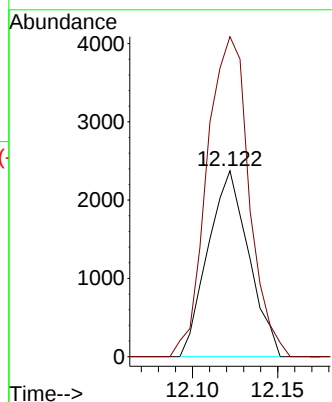
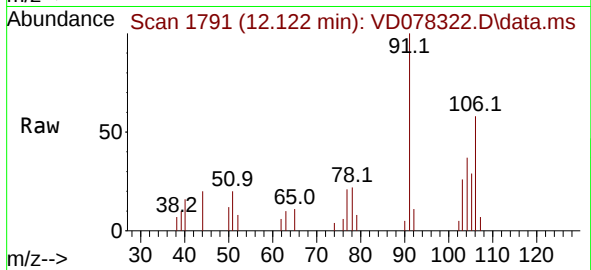
#54
o-Xylene
Concen: 0.723 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:106 Resp: 3950
Ion Ratio Lower Upper
106 100
91 172.1 148.0 274.8

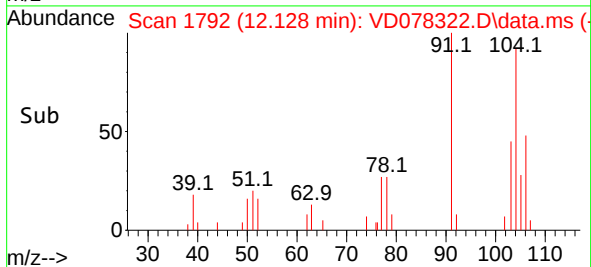
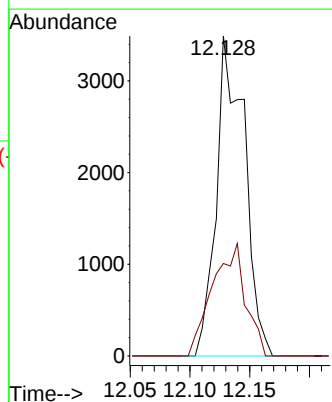
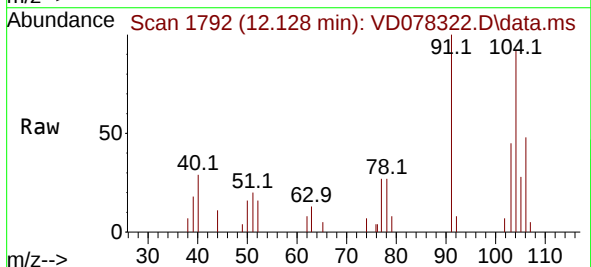
Manual Integrations
APPROVED

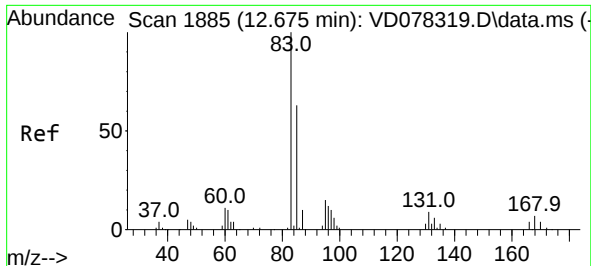
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#55
Styrene
Concen: 0.581 ug/L m
RT: 12.128 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Tgt Ion:104 Resp: 5733
Ion Ratio Lower Upper
104 100
78 28.9 29.5 54.7#





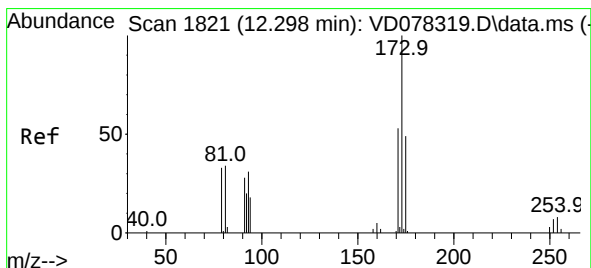
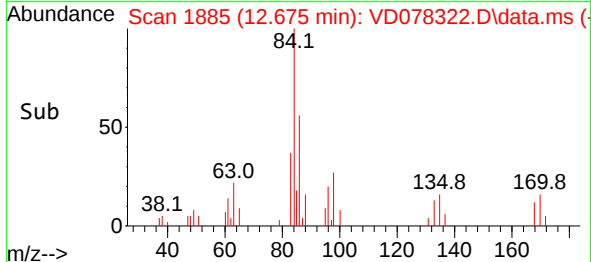
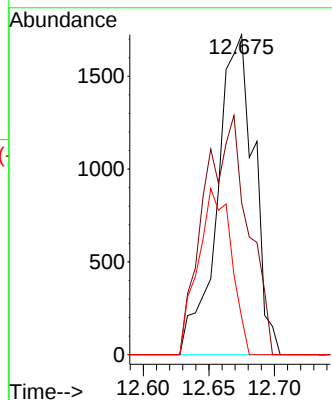
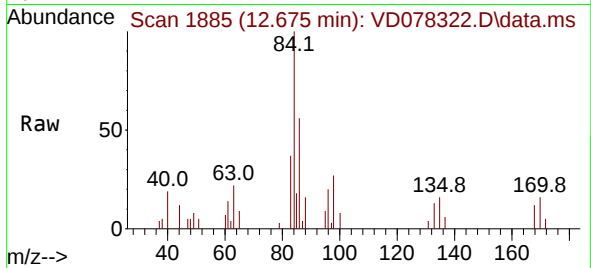
#57
1,1,2,2-Tetrachloroethane
Concen: 0.944 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion: 83 Resp: 3354
Ion Ratio Lower Upper
83 100
85 47.4 42.6 79.0
131 11.6 6.0 9.0

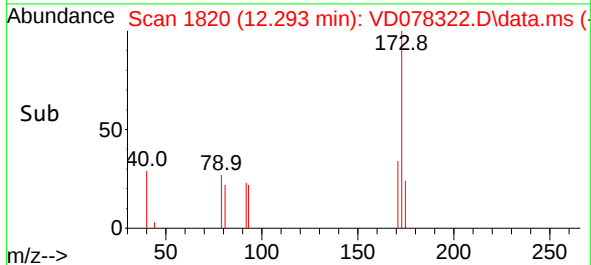
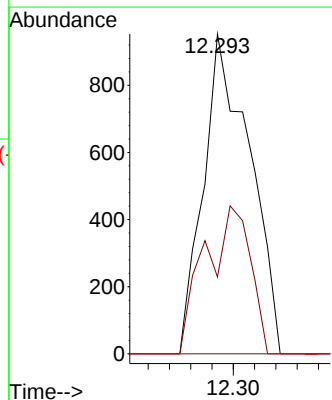
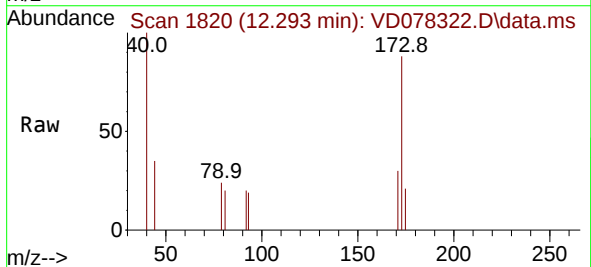
Manual Integrations
APPROVED

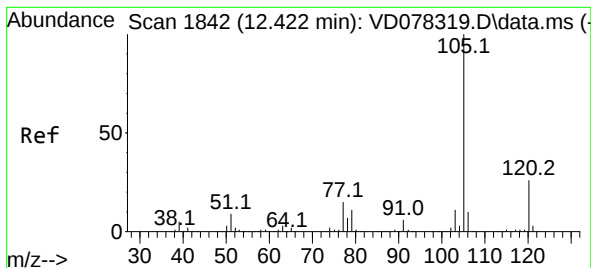
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#59
Bromoform
Concen: 0.867 ug/L
RT: 12.293 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

Tgt Ion:173 Resp: 1438
Ion Ratio Lower Upper
173 100
175 25.9 40.2 60.4#
254 0.0 6.6 9.8#





#60

Isopropylbenzene

Concen: 0.626 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Instrument :

MSVOA_D

ClientSampleId :

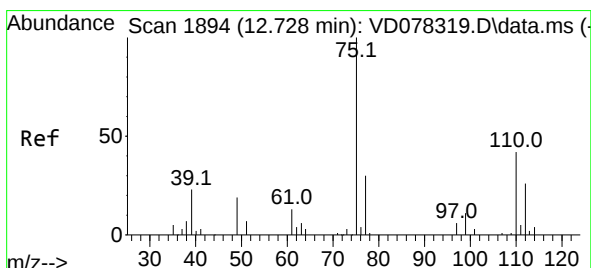
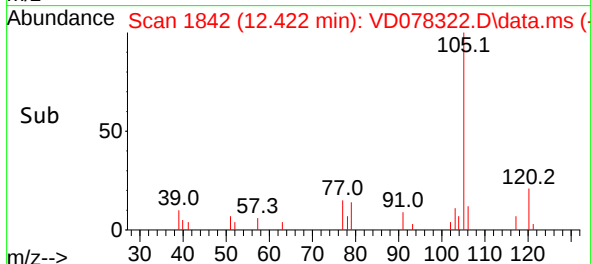
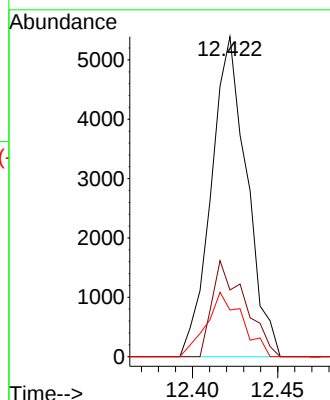
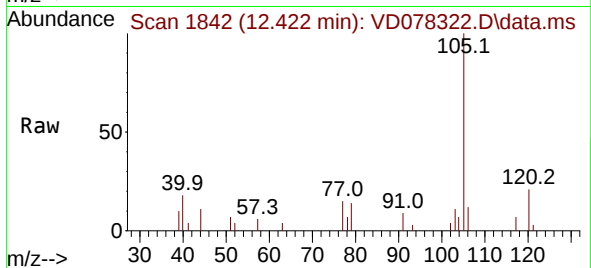
MDL-SOIL-QT4-2023-07

Tgt Ion:	105	Resp:	781
Ion Ratio	Lower	Upper	
105	100		
120	27.7	20.4	30.6
77	20.2	12.4	18.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#61

1,2,3-Trichloropropane

Concen: 0.878 ug/L

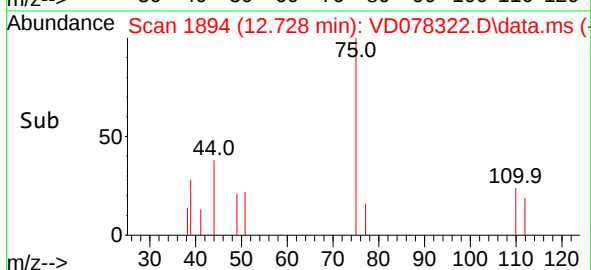
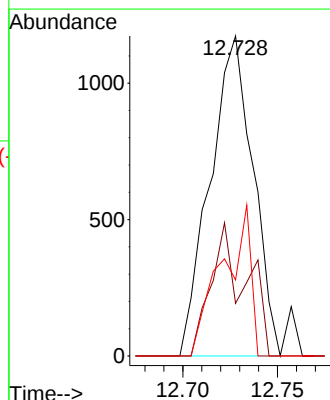
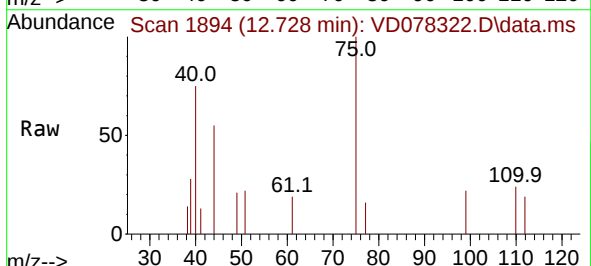
RT: 12.728 min Scan# 1894

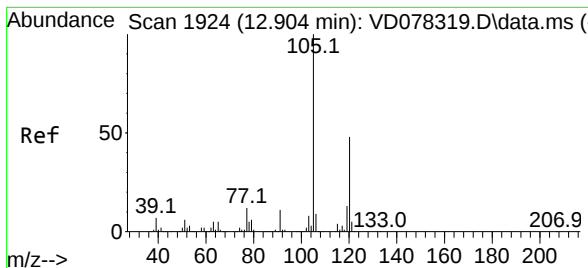
Delta R.T. 0.000 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

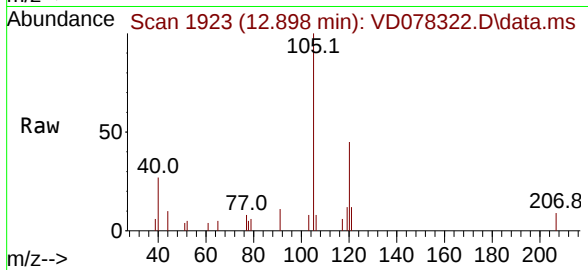
Tgt Ion:	75	Resp:	1851
Ion Ratio	Lower	Upper	
75	100		
77	11.9	26.5	39.7#
110	10.5	31.8	47.8#





#62
1,3,5-Trimethylbenzene
Concen: 0.645 ug/L
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

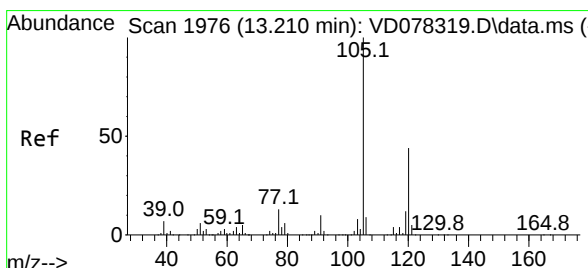
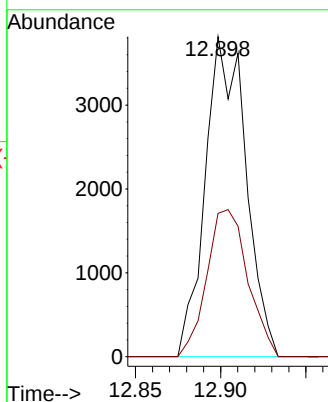
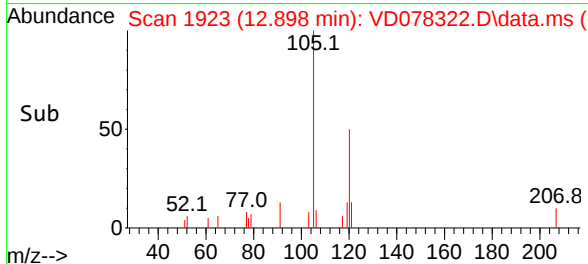
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



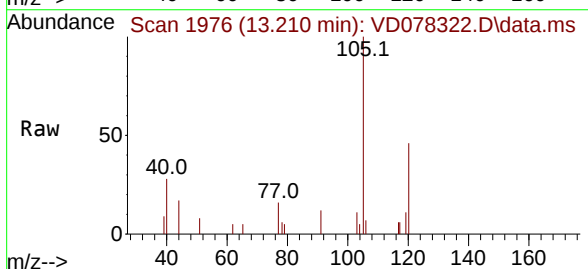
Tgt Ion:105 Resp: 6300
Ion Ratio Lower Upper
105 100
120 46.5 39.5 59.3

Manual Integrations
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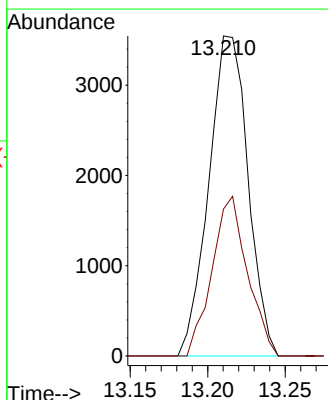
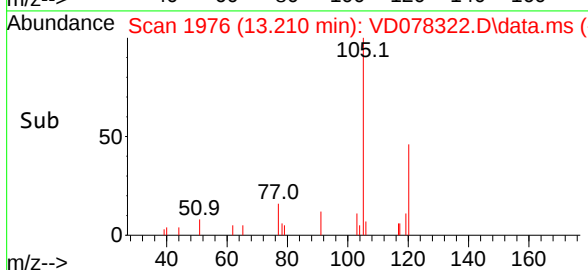
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

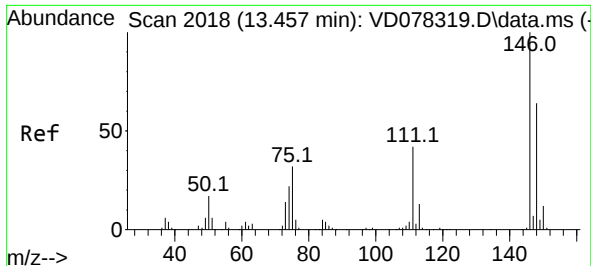


#63
1,2,4-Trimethylbenzene
Concen: 0.645 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21



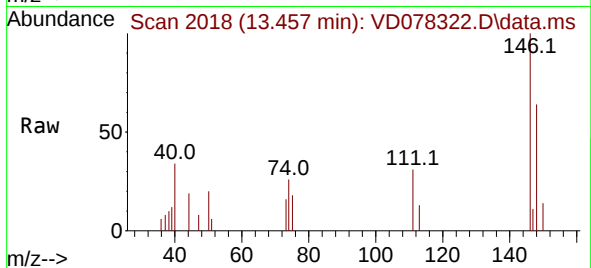
Tgt Ion:105 Resp: 6240
Ion Ratio Lower Upper
105 100
120 45.1 37.0 55.4





#64
1,3-Dichlorobenzene
Concen: 0.724 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

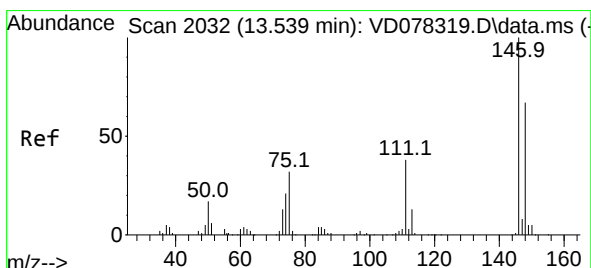
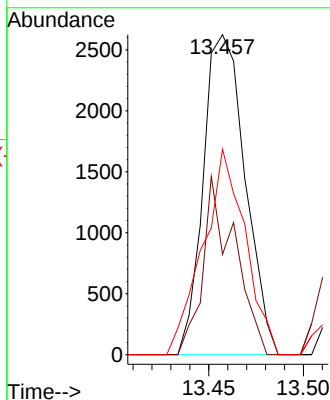
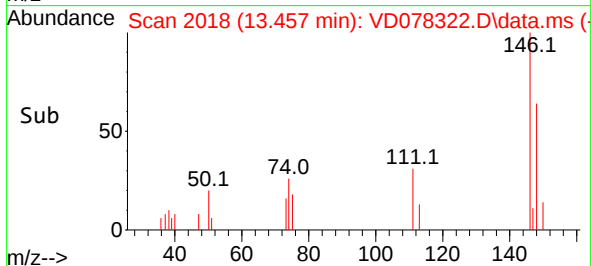
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



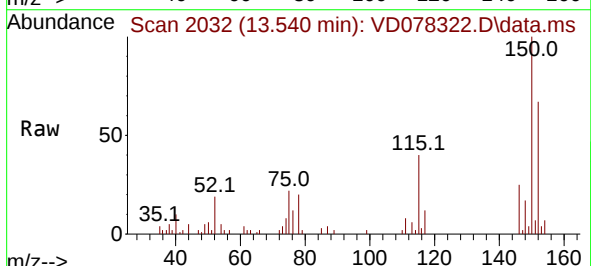
Tgt Ion:146 Resp: 403
Ion Ratio Lower Upper
146 100
111 31.3 28.6 53.0
148 64.3 46.5 86.3

Manual Integrations
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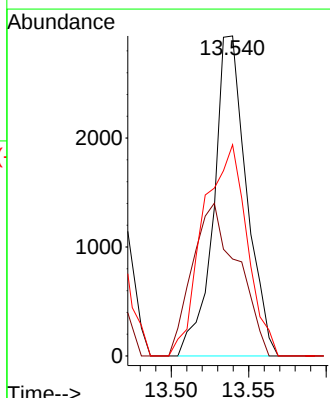
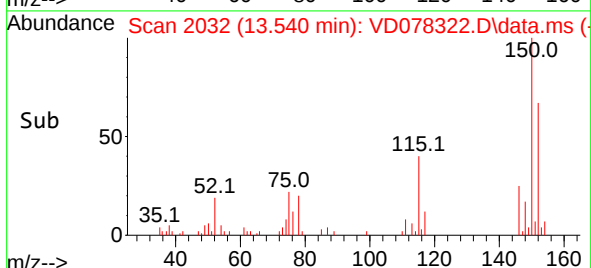
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

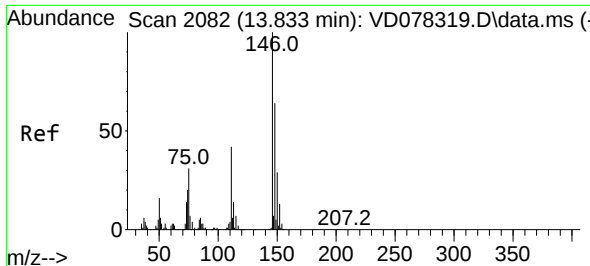


#65
1,4-Dichlorobenzene
Concen: 0.742 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21



Tgt Ion:146 Resp: 4330
Ion Ratio Lower Upper
146 100
111 30.3 26.4 49.0
148 66.0 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.938 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

Instrument :

MSVOA_D

ClientSampleId :

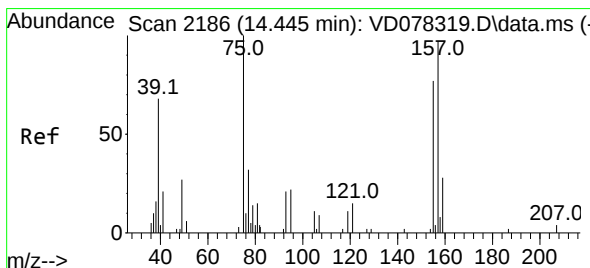
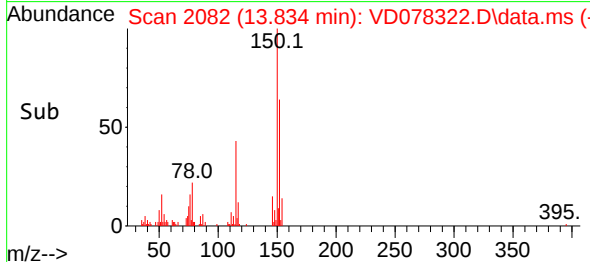
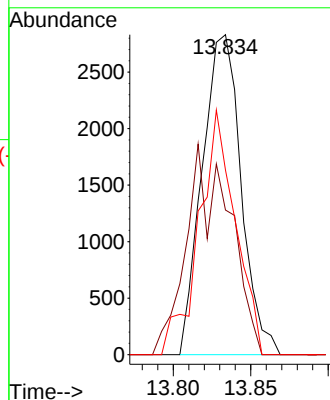
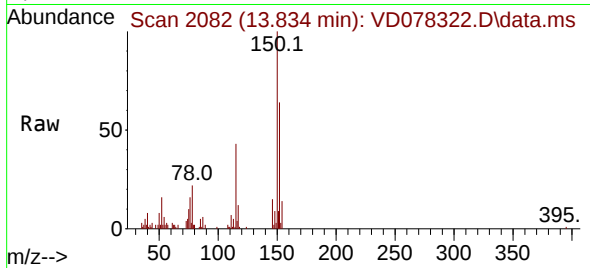
MDL-SOIL-QT4-2023-07

Tgt Ion:	146	Resp:	494
Ion Ratio	Lower	Upper	
146	100		
111	45.2	33.6	50.4
148	57.7	48.4	72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 0.653 ug/L m

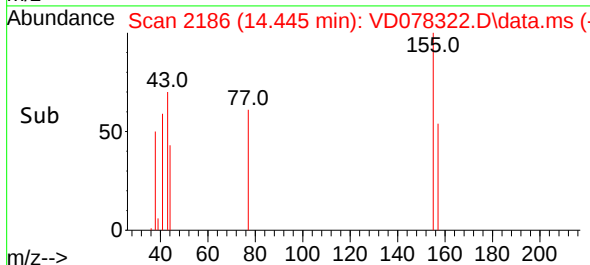
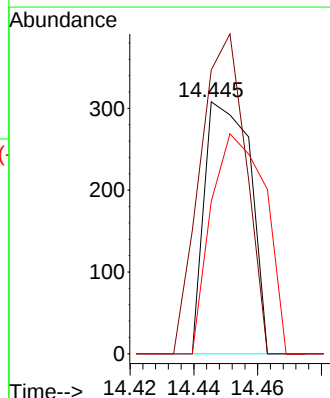
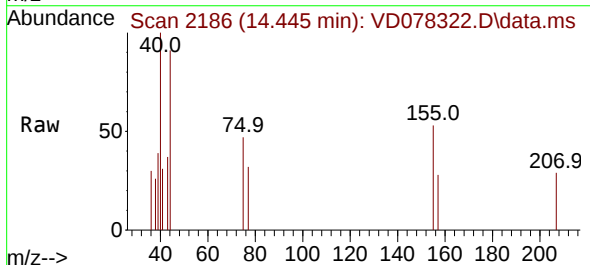
RT: 14.445 min Scan# 2186

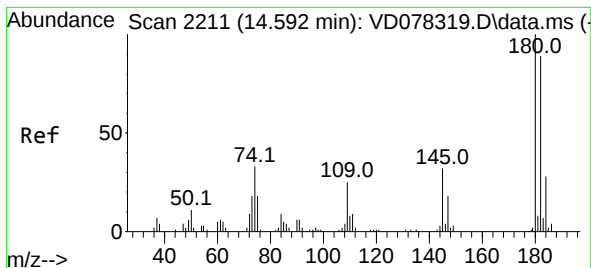
Delta R.T. 0.000 min

Lab File: VD078322.D

Acq: 02 Feb 2024 13:21

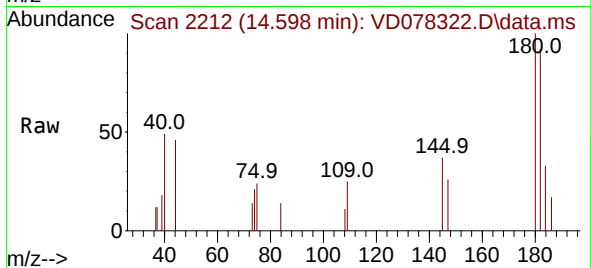
Tgt Ion:	75	Resp:	305
Ion Ratio	Lower	Upper	
75	100		
155	112.7	61.6	92.4#
157	60.4	78.1	117.1#





#69
1,3,5-Trichlorobenzene
Concen: 0.789 ug/L
RT: 14.598 min Scan# 2211
Delta R.T. 0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

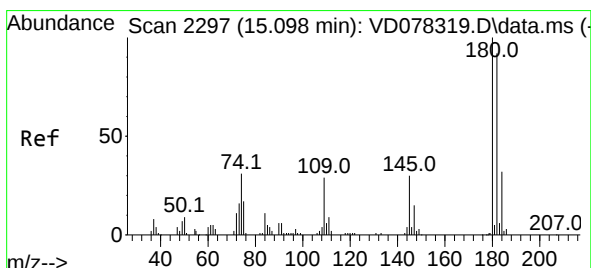
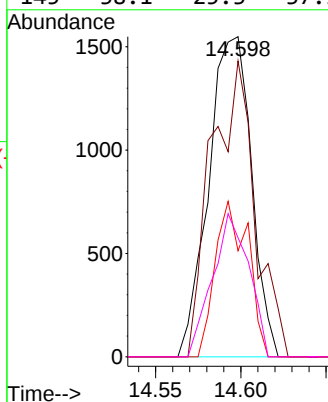
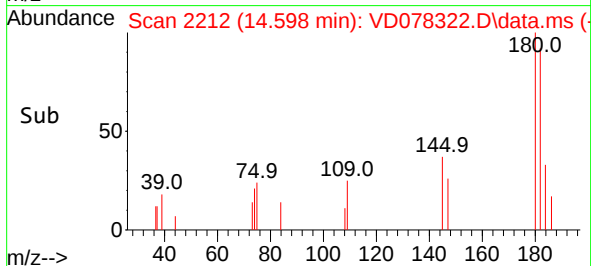
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



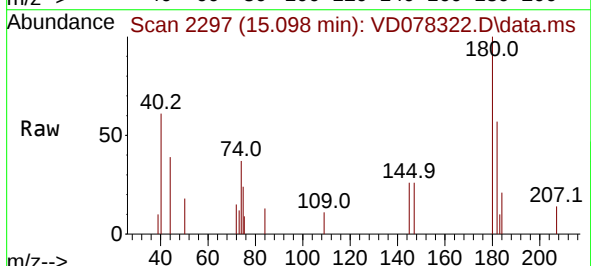
Tgt Ion:180 Resp: 2708
Ion Ratio Lower Upper
180 100
182 47.2 75.6 113.4#
184 37.1 23.2 34.8#
145 38.1 25.3 37.9#

Manual Integrations
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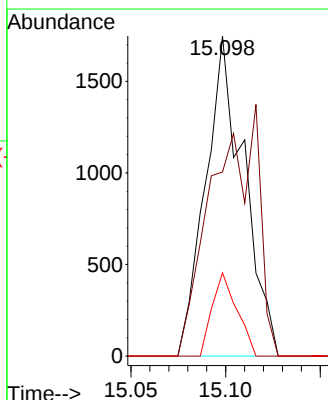
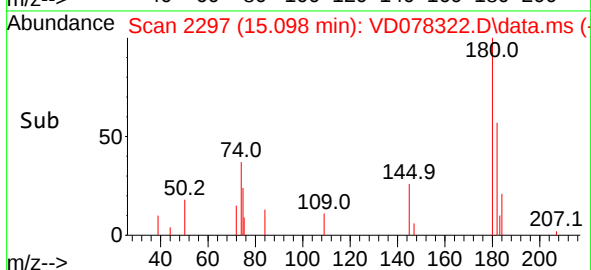
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

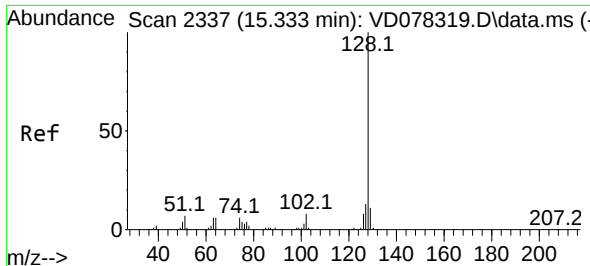


#70
1,2,4-trichlorobenzene
Concen: 0.828 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21



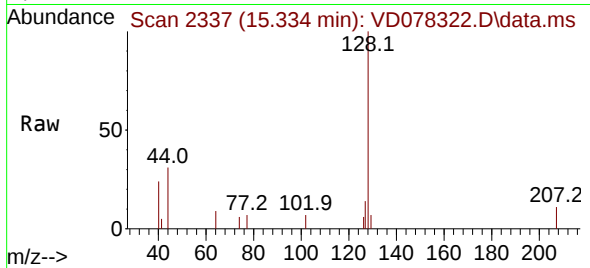
Tgt Ion:180 Resp: 2459
Ion Ratio Lower Upper
180 100
182 70.8 76.2 114.4#
145 16.8 25.0 37.6#





#71
Naphthalene
Concen: 0.712 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21

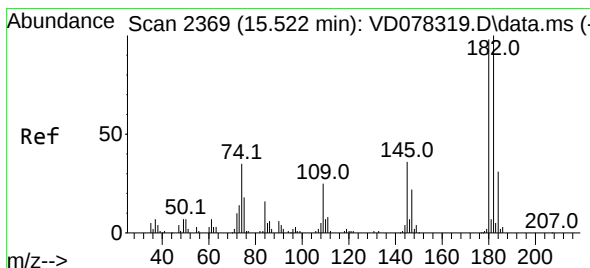
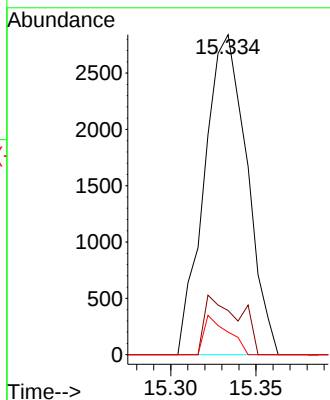
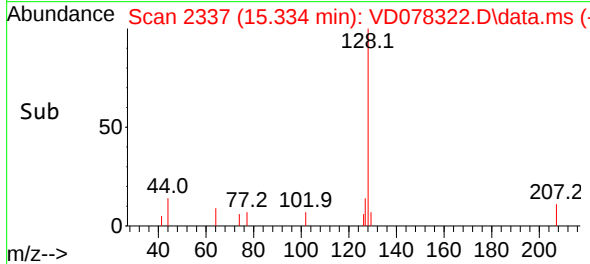
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



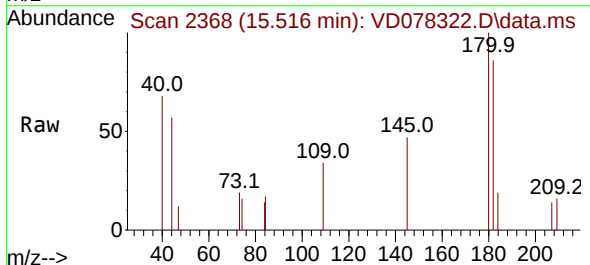
Tgt Ion:128 Resp: 4950
Ion Ratio Lower Upper
128 100
127 3.1 11.0 16.4
129 0.0 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#72
1,2,3-Trichlorobenzene
Concen: 0.804 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD078322.D
Acq: 02 Feb 2024 13:21



Tgt Ion:180 Resp: 2227
Ion Ratio Lower Upper
180 100
182 85.4 75.4 113.0
145 27.1 26.8 40.2

