

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100523\
 Data File : VD077272.D
 Acq On : 05 Oct 2023 10:45
 Operator : JC/SY
 Sample : 04696-04
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Oct 06 08:09:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 04 22:27:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/06/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	219625	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	230961	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	113096	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	106135	18.271	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.080%
7) Chloroethane-d5	2.799	69	103837	28.367	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.480%
11) 1,1-Dichloroethene-d2	3.917	65	32457	19.859	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.440%
21) 2-Butanone-d5	6.981	46	70498	66.984	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.960%
24) Chloroform-d	7.569	84	205153	24.772	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.080%
26) 1,2-Dichloroethane-d4	8.228	65	102101	24.784	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.120%
32) Benzene-d6	8.205	84	371203	22.127	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.520%
36) 1,2-Dichloropropane-d6	9.210	67	132727	25.454	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.800%
41) Toluene-d8	10.269	98	300110	20.363	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.440%
43) trans-1,3-Dichloroprop...	10.528	79	46810	22.077	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.320%
47) 2-Hexanone-d5	10.875	63	51266	61.460	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.920%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	138598	29.417	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.680%
66) 1,2-Dichlorobenzene-d4	13.816	152	113879	24.426	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4870	1.364	ug/L	95
3) Chloromethane	2.152	50	5279	1.139	ug/L	96
5) Vinyl chloride	2.281	62	6751	1.223	ug/L #	60
6) Bromomethane	2.693	94	4436	1.314	ug/L	96
8) Chloroethane	2.840	64	4445	1.642	ug/L	89
9) Trichlorofluoromethane	3.181	101	7812	1.369	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	6275m	1.539	ug/L	
12) 1,1-Dichloroethene	3.946	96	4678	1.375	ug/L #	1
13) Acetone	4.028	43	3549m	3.250	ug/L	
14) Carbon disulfide	4.275	76	9645	1.087	ug/L #	90
15) Methyl Acetate	4.581	43	2204m	1.182	ug/L	
16) Methylene chloride	4.793	84	32209	5.889	ug/L	95
17) trans-1,2-Dichloroethene	5.311	96	3922m	1.024	ug/L	
18) Methyl tert-butyl Ether	5.322	73	9307m	1.031	ug/L	
19) 1,1-Dichloroethane	6.111	63	8886	1.231	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	4872	1.042	ug/L	95
22) 2-Butanone	7.093	43	4834m	3.422	ug/L	
23) Bromochloromethane	7.434	128	2685	1.212	ug/L #	67
25) Chloroform	7.593	83	10727	1.343	ug/L	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100523\
 Data File : VD077272.D
 Acq On : 05 Oct 2023 10:45
 Operator : JC/SY
 Sample : 04696-04
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Oct 06 08:09:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 04 22:27:10 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/06/2023
 Supervised By :Mahesh Dadoda 10/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	5960	1.261	ug/L	97
29) Cyclohexane	7.881	56	4910m	1.045	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	7330	1.096	ug/L	87
31) Carbon tetrachloride	7.993	117	5150m	0.952	ug/L	
33) Benzene	8.252	78	19968	1.171	ug/L	100
34) Trichloroethene	9.022	95	5278	1.227	ug/L #	71
35) Methylcyclohexane	9.275	83	5085	0.849	ug/L #	84
37) 1,2-Dichloropropane	9.305	63	5482	1.172	ug/L #	87
38) Bromodichloromethane	9.581	83	6956	1.119	ug/L #	90
39) cis-1,3-Dichloropropene	10.016	75	7373	1.037	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	5894	2.199	ug/L	95
42) Toluene	10.334	91	21149	1.150	ug/L	85
44) trans-1,3-Dichloropropene	10.557	75	8420	1.371	ug/L	86
45) 1,1,2-Trichloroethane	10.734	97	4205	1.056	ug/L	90
46) Tetrachloroethene	10.810	164	3688	1.093	ug/L	84
48) 2-Hexanone	10.922	43	5090	2.476	ug/L #	90
49) Dibromochloromethane	11.075	129	5027	1.134	ug/L	100
50) 1,2-Dibromoethane	11.187	107	4256	1.142	ug/L #	83
51) Chlorobenzene	11.604	112	12841	1.028	ug/L	97
52) Ethylbenzene	11.681	91	19488	0.977	ug/L	94
53) m,p-Xylene	11.799	106	7235	0.951	ug/L	95
54) o-Xylene	12.122	106	6449	0.870	ug/L	71
55) Styrene	12.140	104	11343	0.841	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.669	83	6488	1.362	ug/L #	94
59) Bromoform	12.299	173	2967	1.165	ug/L #	53
60) Isopropylbenzene	12.422	105	17368	0.983	ug/L	97
61) 1,2,3-Trichloropropane	12.734	75	3833	1.338	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	12423	0.919	ug/L	97
63) 1,2,4-Trimethylbenzene	13.210	105	12347	0.920	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	9204	1.070	ug/L	92
65) 1,4-Dichlorobenzene	13.534	146	10001	1.113	ug/L #	92
67) 1,2-Dichlorobenzene	13.834	146	10378	1.310	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	14.451	75	667m	1.088	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	5998	1.061	ug/L	94
70) 1,2,4-trichlorobenzene	15.098	180	5108	1.054	ug/L #	96
71) Naphthalene	15.334	128	11081	1.105	ug/L	98
72) 1,2,3-Trichlorobenzene	15.528	180	5124	1.132	ug/L #	92

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

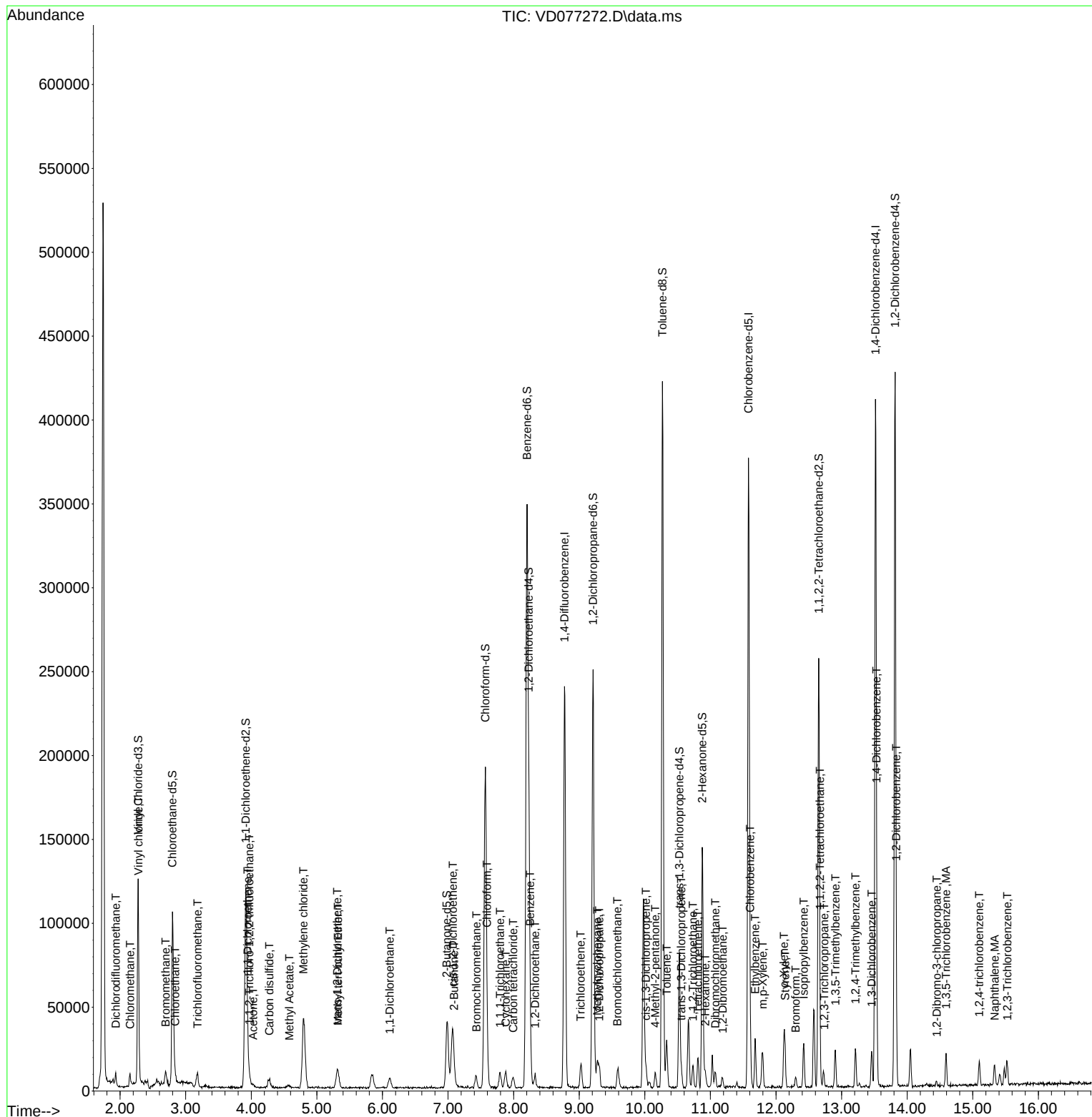
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100523\
 Data File : VD077272.D
 Acq On : 05 Oct 2023 10:45
 Operator : JC/SY
 Sample : 04696-04
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

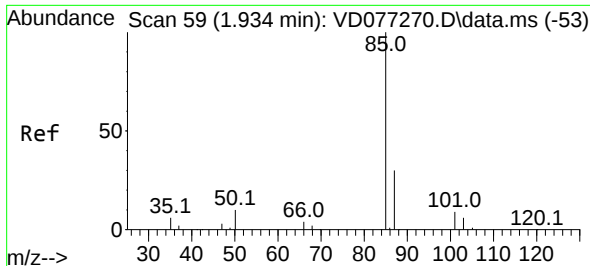
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Oct 06 08:09:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 04 22:27:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

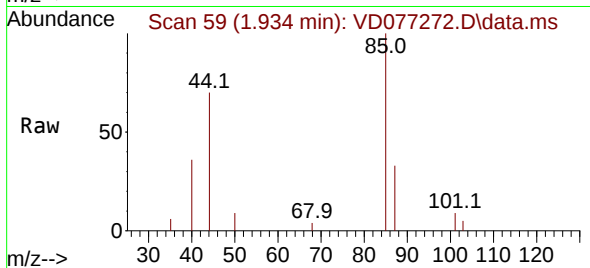
Reviewed By : John Carlone 10/06/2023
 Supervised By : Mahesh Dadoda 10/12/2023





#2
Dichlorodifluoromethane
Concen: 1.364 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

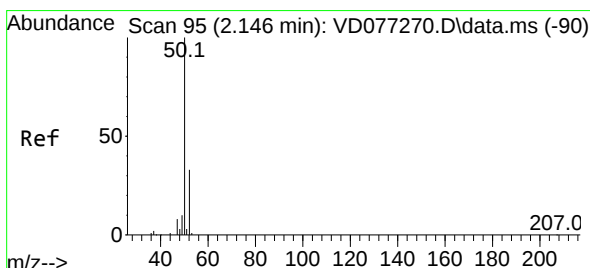
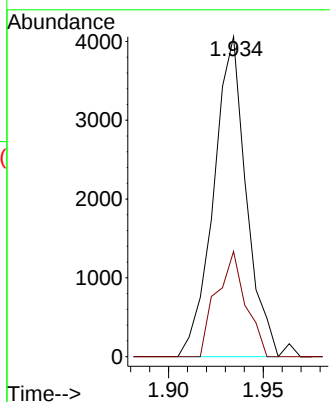
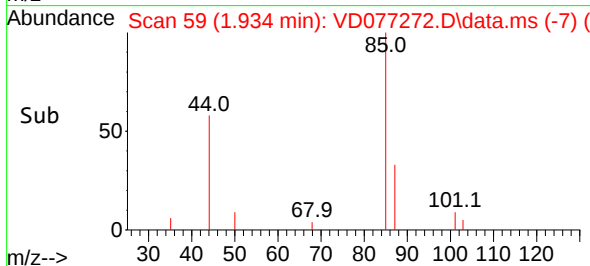
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



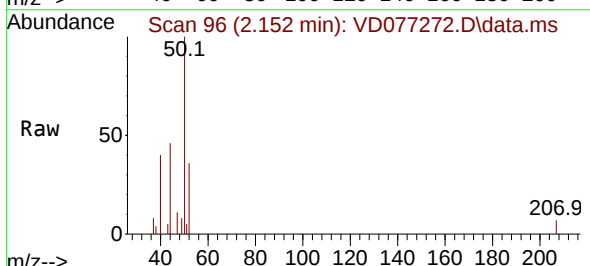
Tgt Ion: 85 Resp: 4870
Ion Ratio Lower Upper
85 100
87 29.4 25.9 38.9

Manual Integrations
APPROVED

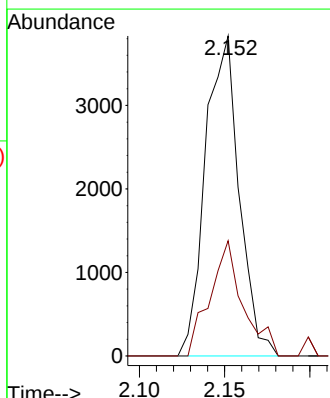
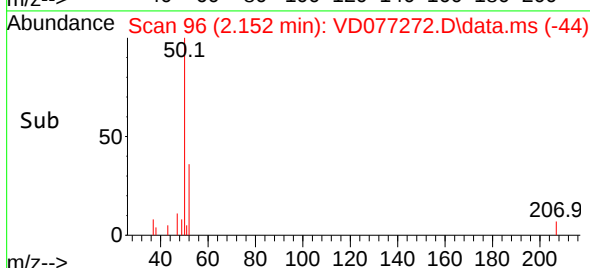
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023

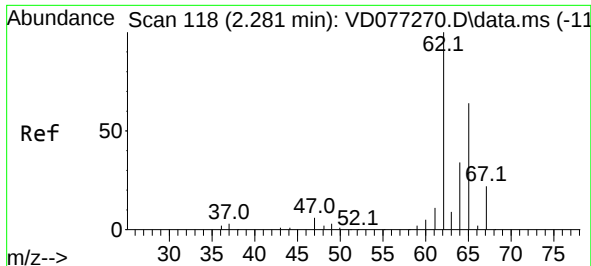


#3
Chloromethane
Concen: 1.139 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45



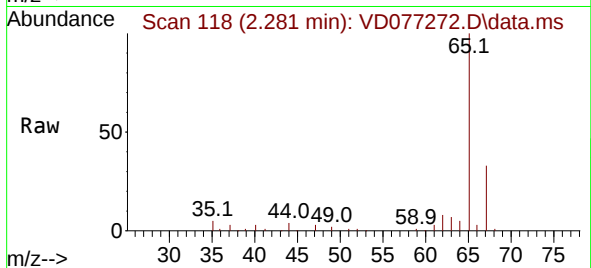
Tgt Ion: 50 Resp: 5279
Ion Ratio Lower Upper
50 100
52 36.0 23.6 43.8





#5
Vinyl chloride
Concen: 1.223 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

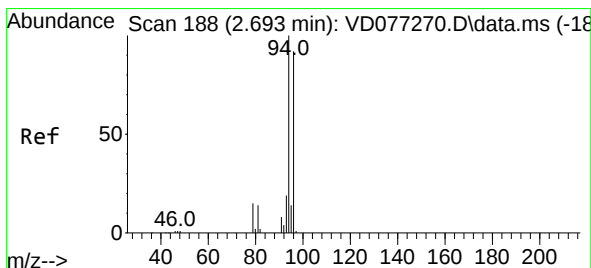
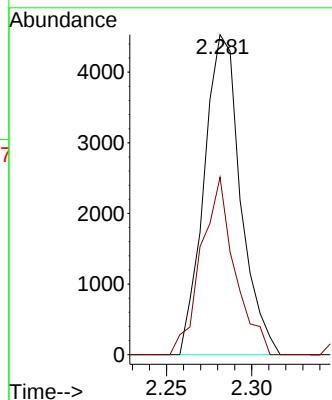
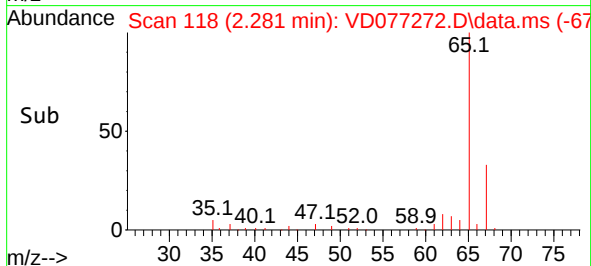
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 62 Resp: 675
Ion Ratio Lower Upper
62 100
64 55.5 23.0 42.8

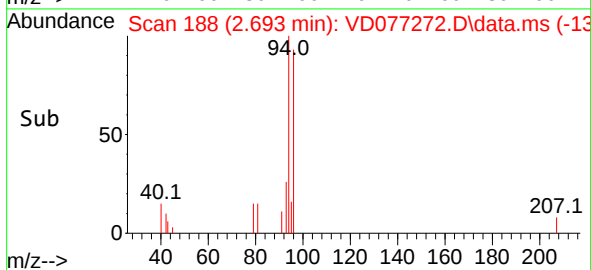
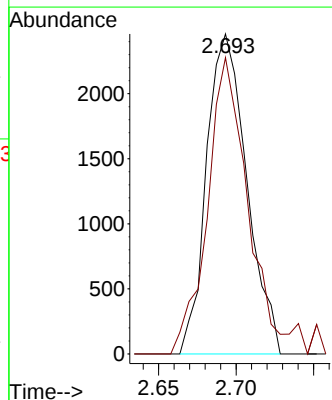
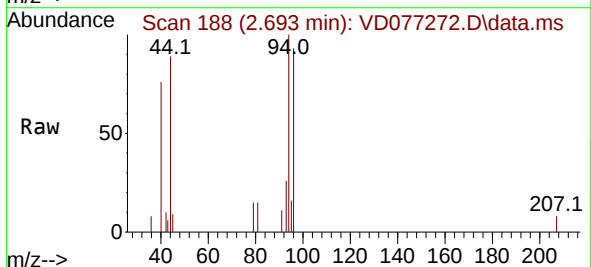
Manual Integrations
APPROVED

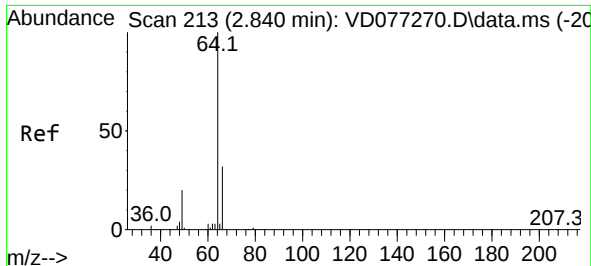
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#6
Bromomethane
Concen: 1.314 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

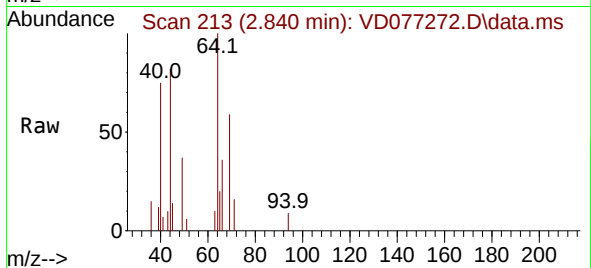
Tgt Ion: 94 Resp: 4436
Ion Ratio Lower Upper
94 100
96 92.6 67.8 125.8





#8
Chloroethane
Concen: 1.642 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

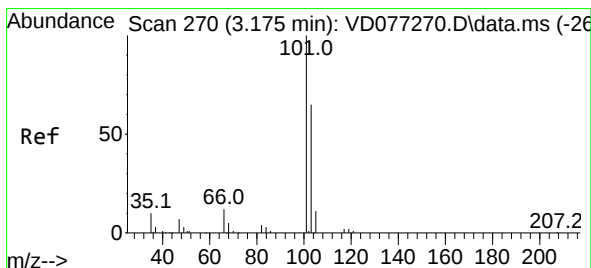
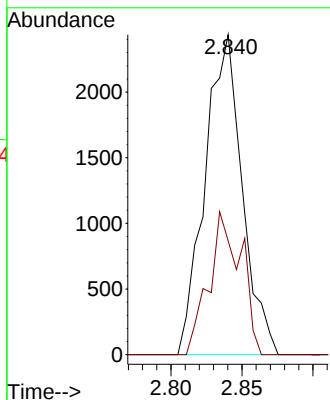
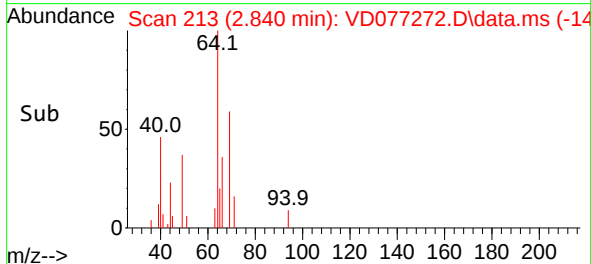
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



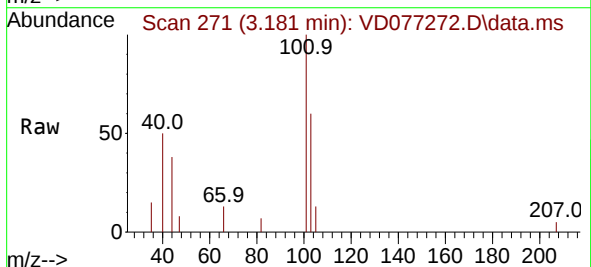
Tgt Ion: 64 Resp: 444
Ion Ratio Lower Upper
64 100
66 35.6 20.8 38.6

Manual Integrations
APPROVED

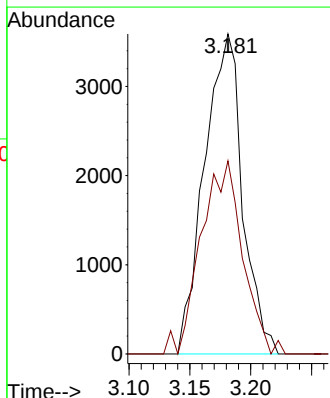
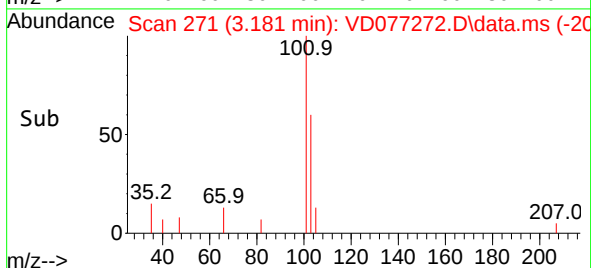
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023

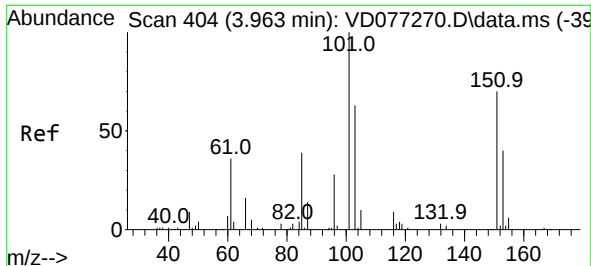


#9
Trichlorofluoromethane
Concen: 1.369 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.012 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45



Tgt Ion:101 Resp: 7812
Ion Ratio Lower Upper
101 100
103 64.1 52.9 79.3





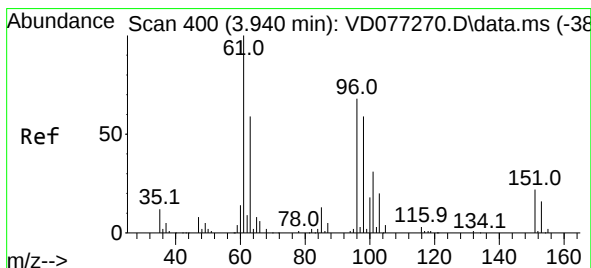
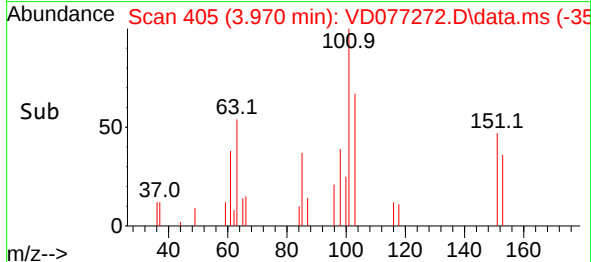
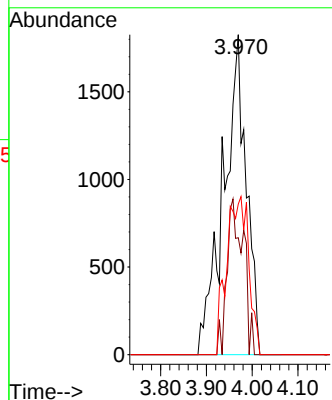
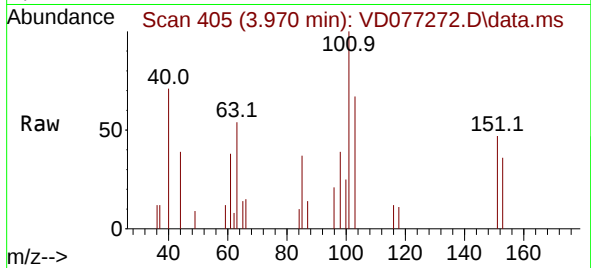
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.539 ug/L m
RT: 3.970 min Scan# 40
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion:101 Resp: 627
Ion Ratio Lower Upper
101 100
85 7.6 35.3 52.9
151 3.7 59.9 89.9

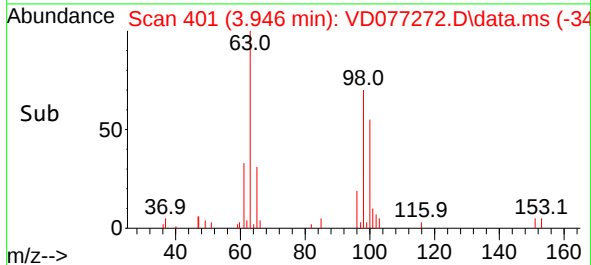
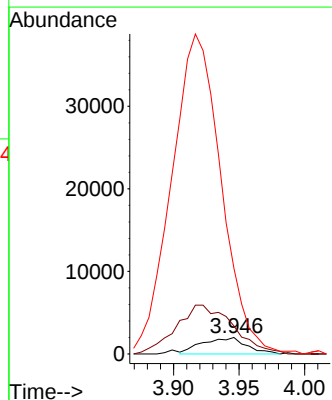
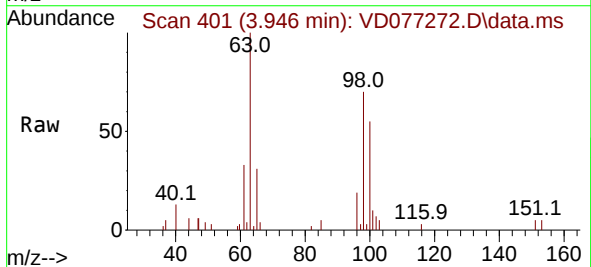
Manual Integrations
APPROVED

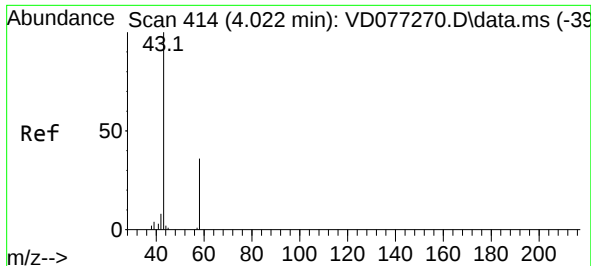
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#12
1,1-Dichloroethene
Concen: 1.375 ug/L
RT: 3.946 min Scan# 401
Delta R.T. 0.012 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

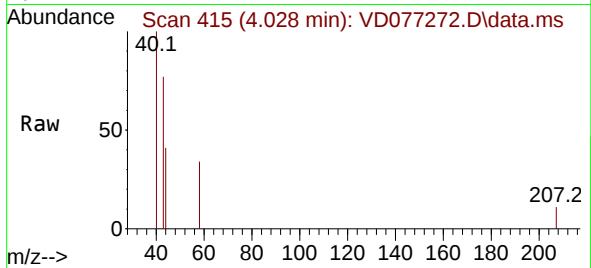
Tgt Ion: 96 Resp: 4678
Ion Ratio Lower Upper
96 100
61 169.9 102.1 189.5
63 520.6 63.3 117.5





#13
Acetone
Concen: 3.250 ug/L m
RT: 4.028 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

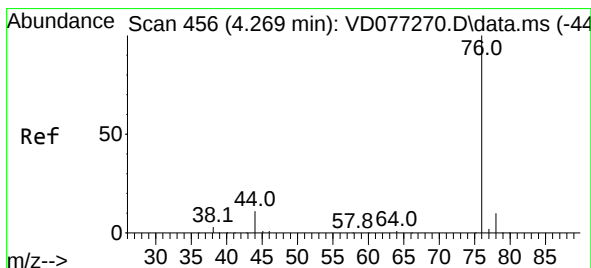
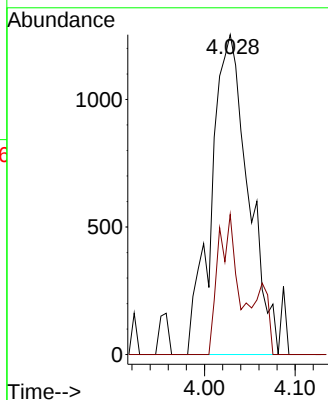
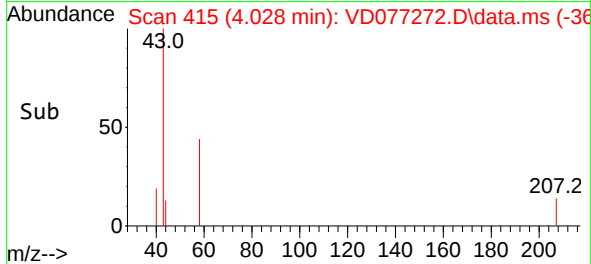
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



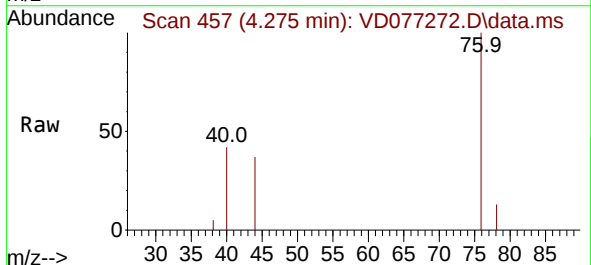
Tgt Ion: 43 Resp: 3549
Ion Ratio Lower Upper
43 100
58 21.0 0.0 74.0

Manual Integrations
APPROVED

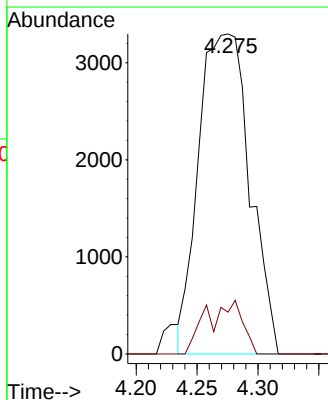
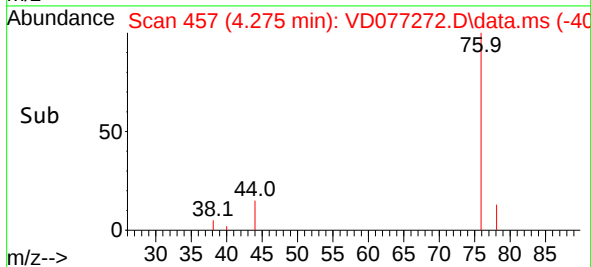
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023

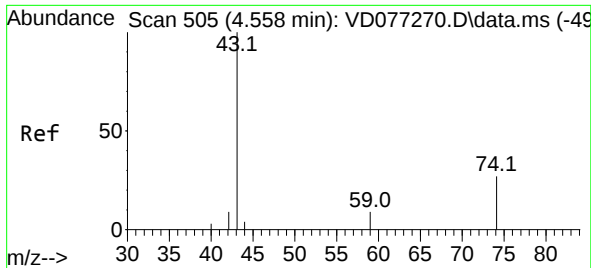


#14
Carbon disulfide
Concen: 1.087 ug/L
RT: 4.275 min Scan# 457
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45



Tgt Ion: 76 Resp: 9645
Ion Ratio Lower Upper
76 100
78 13.0 7.5 11.3#





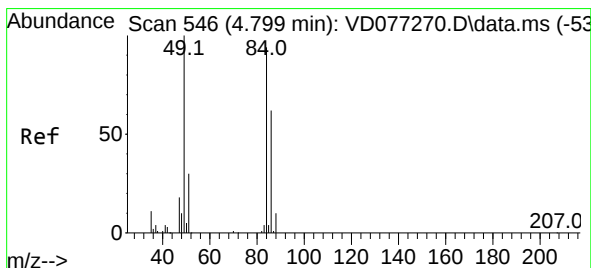
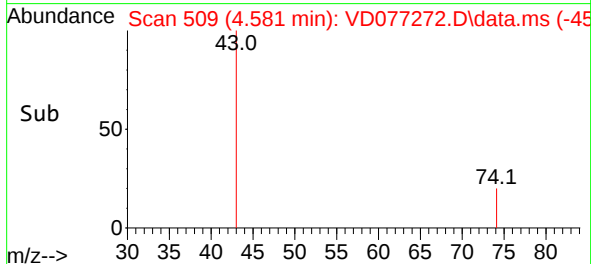
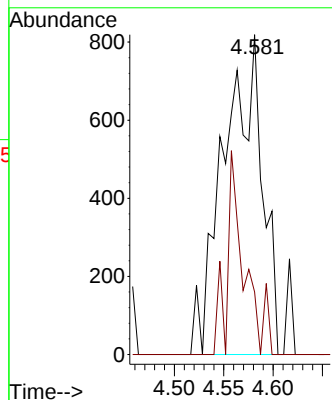
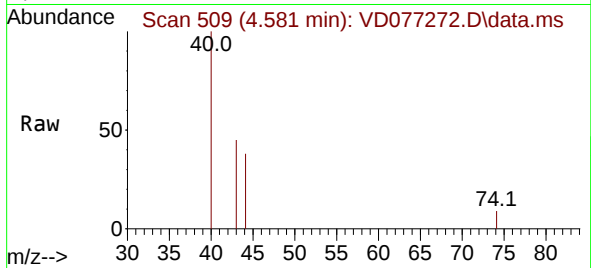
#15
Methyl Acetate
Concen: 1.182 ug/L m
RT: 4.581 min Scan# 509
Delta R.T. 0.024 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 43 Resp: 2204
Ion Ratio Lower Upper
43 100
74 16.5 22.5 33.7

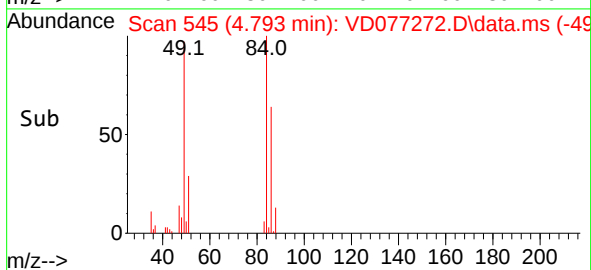
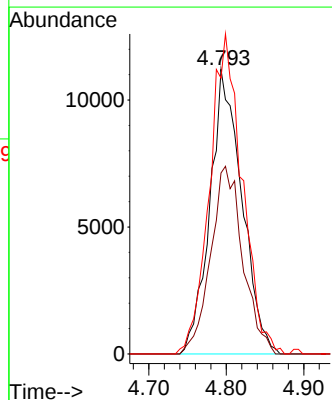
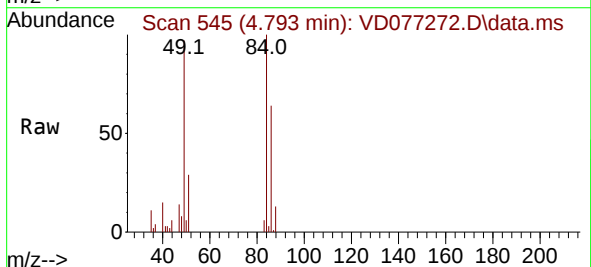
Manual Integrations
APPROVED

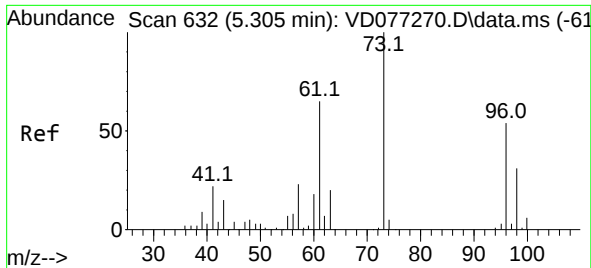
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#16
Methylene chloride
Concen: 5.889 ug/L
RT: 4.793 min Scan# 545
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

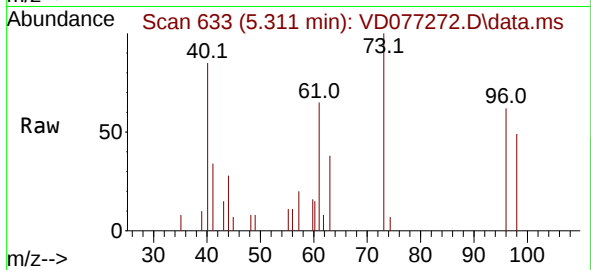
Tgt Ion: 84 Resp: 32209
Ion Ratio Lower Upper
84 100
86 63.6 45.2 84.0
49 96.9 73.4 136.4





#17
trans-1,2-Dichloroethene
Concen: 1.024 ug/L m
RT: 5.311 min Scan# 611
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

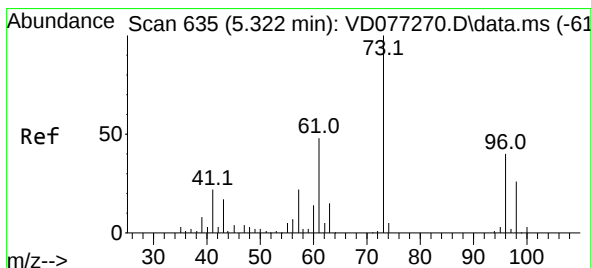
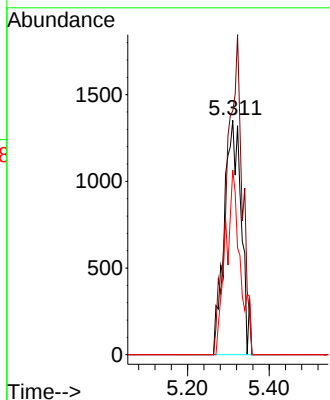
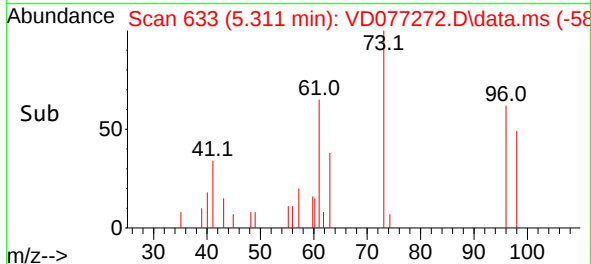
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 96 Resp: 392
Ion Ratio Lower Upper
96 100
61 104.0 84.1 156.3
98 78.8 42.0 78.0

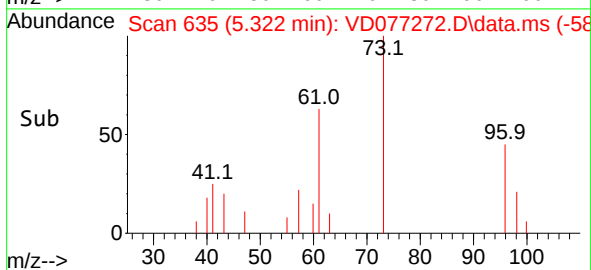
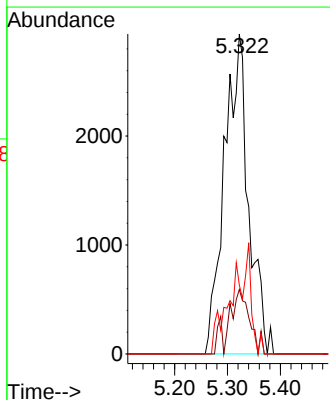
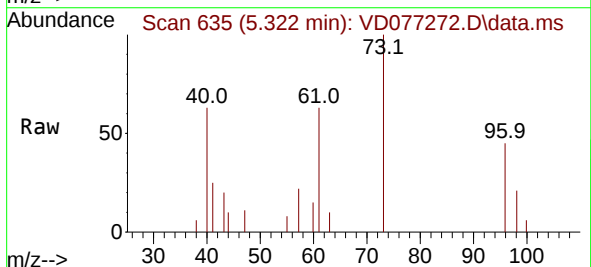
Manual Integrations
APPROVED

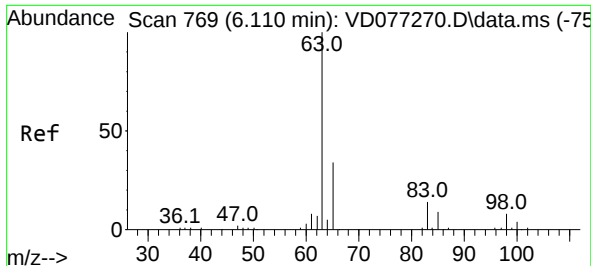
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#18
Methyl tert-butyl Ether
Concen: 1.031 ug/L m
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Tgt Ion: 73 Resp: 9307
Ion Ratio Lower Upper
73 100
43 10.8 12.7 19.1#
57 7.5 17.2 25.8#





#19

1,1-Dichloroethane

Concen: 1.231 ug/L

RT: 6.111 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

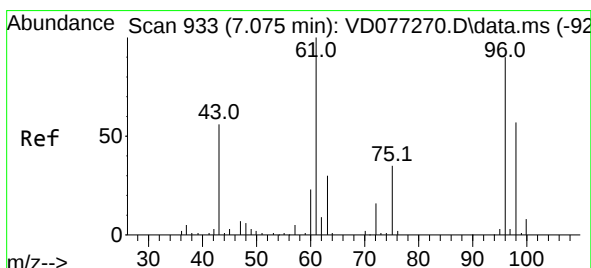
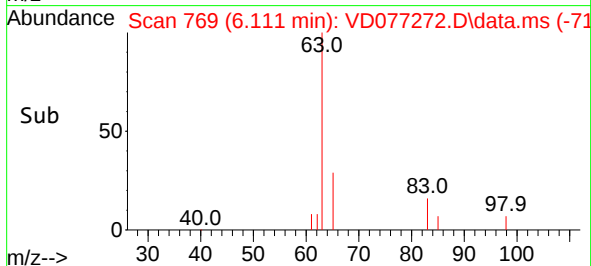
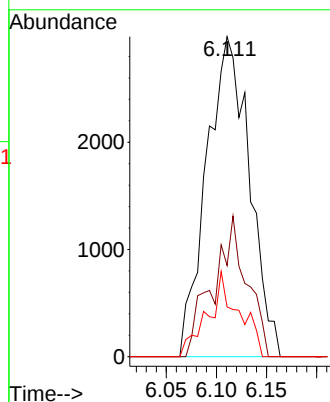
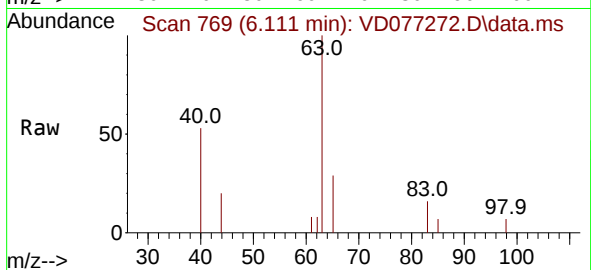
MDL-SOIL-QT4-2023-08

Tgt Ion:	63	Resp:	888
Ion	Ratio	Lower	Upper
63	100		
65	28.5	21.9	40.7
83	15.5	10.0	18.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#20

cis-1,2-Dichloroethene

Concen: 1.042 ug/L

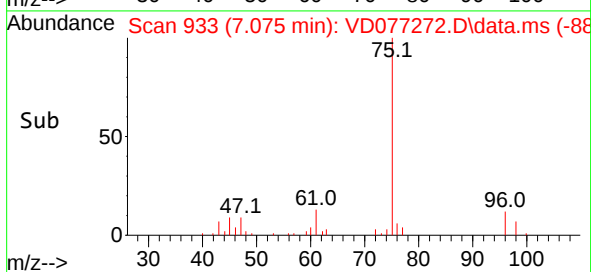
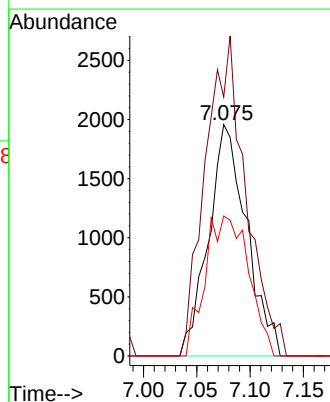
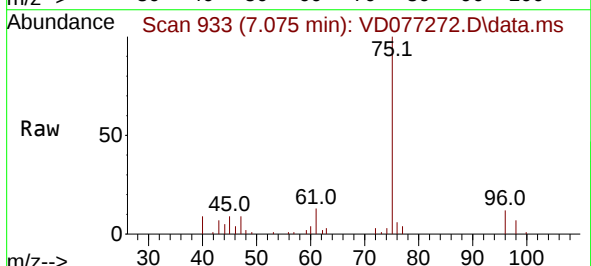
RT: 7.075 min Scan# 933

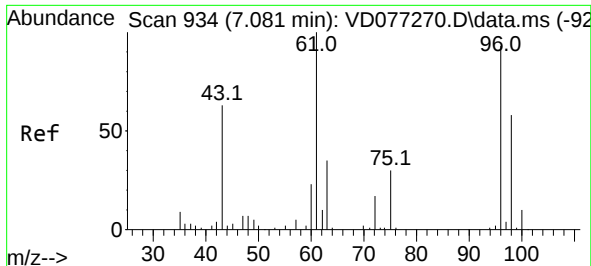
Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

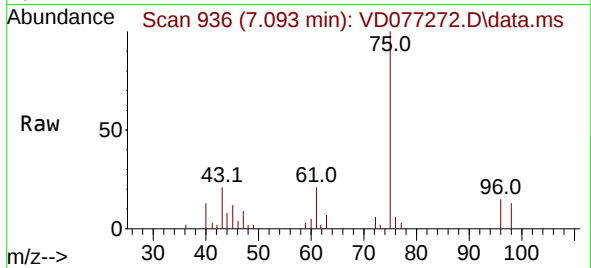
Tgt Ion:	96	Resp:	4872
Ion	Ratio	Lower	Upper
96	100		
61	111.9	74.8	139.0
98	60.5	45.1	83.7





#22
2-Butanone
Concen: 3.422 ug/L m
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

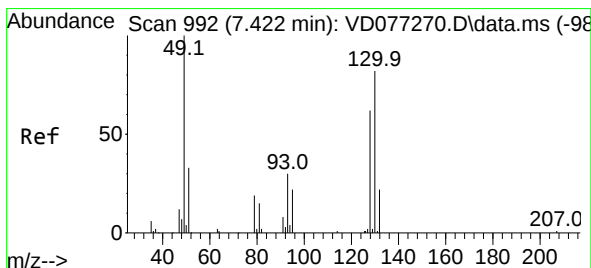
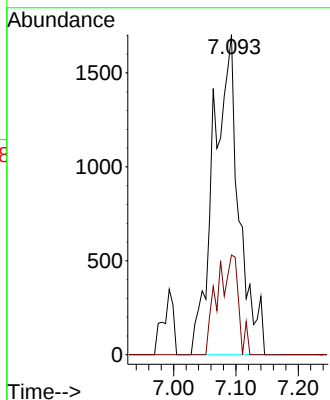
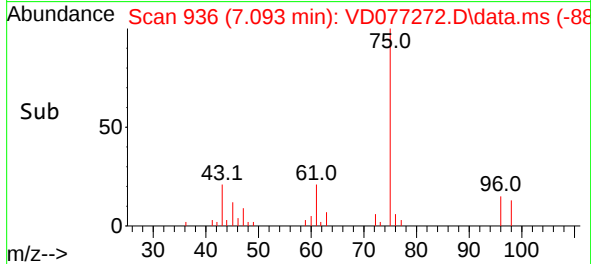
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 4834
Ion Ratio Lower Upper
43 100
72 12.7 15.4 46.4#

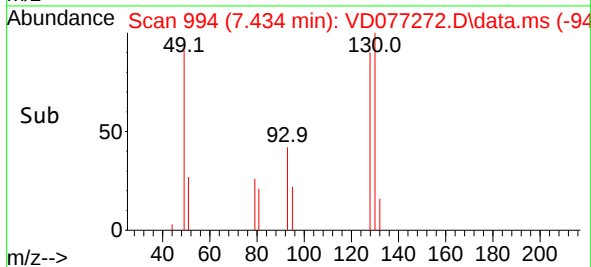
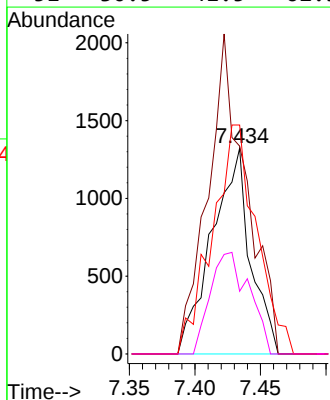
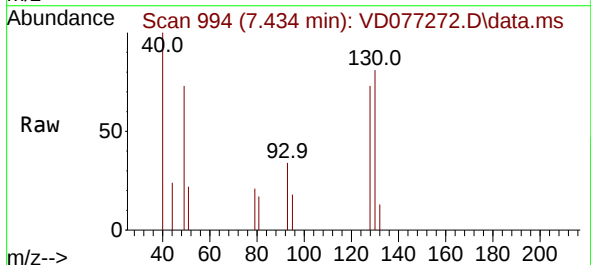
Manual Integrations
APPROVED

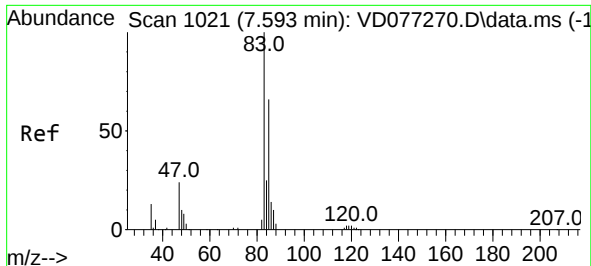
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#23
Bromochloromethane
Concen: 1.212 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.012 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

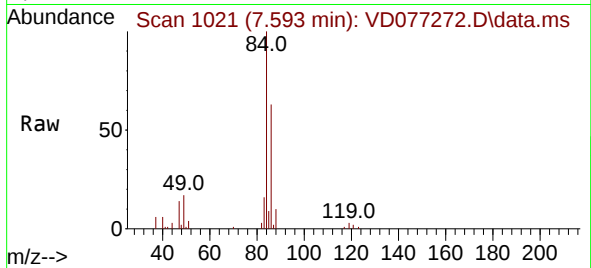
Tgt Ion:128 Resp: 2685
Ion Ratio Lower Upper
128 100
49 101.0 109.4 203.2#
130 111.3 97.1 180.3
51 30.5 41.5 62.3#





#25
Chloroform
Concen: 1.343 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

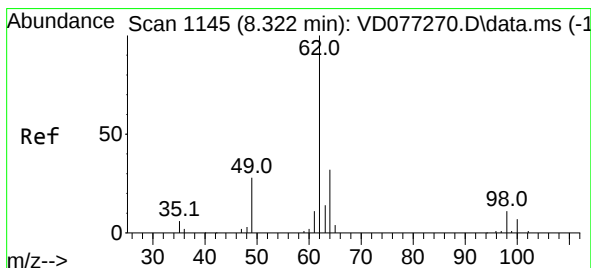
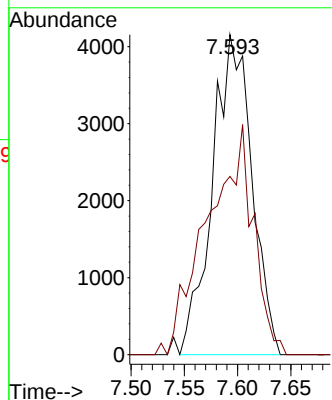
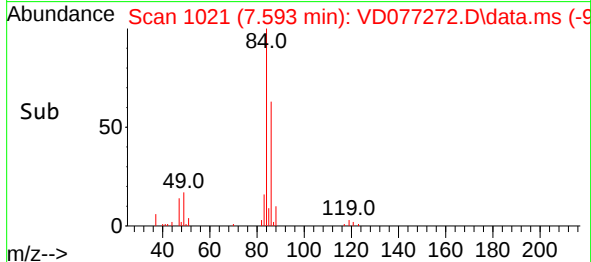
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 83 Resp: 1072
Ion Ratio Lower Upper
83 100
85 55.7 44.4 82.5

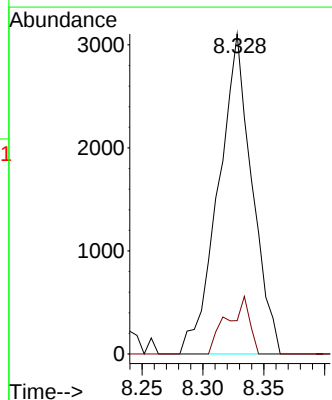
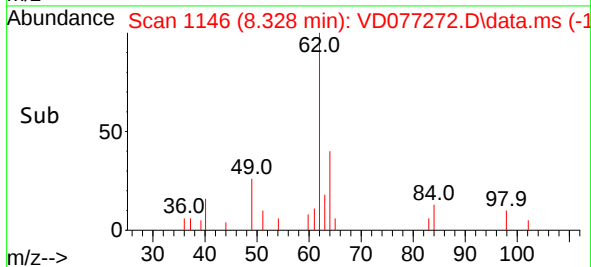
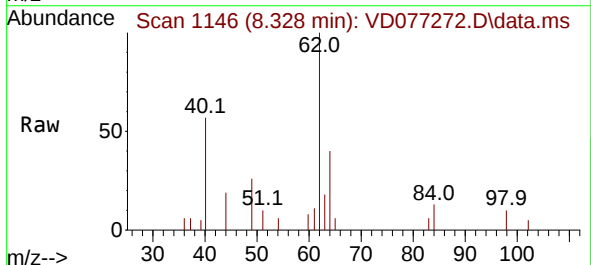
Manual Integrations
APPROVED

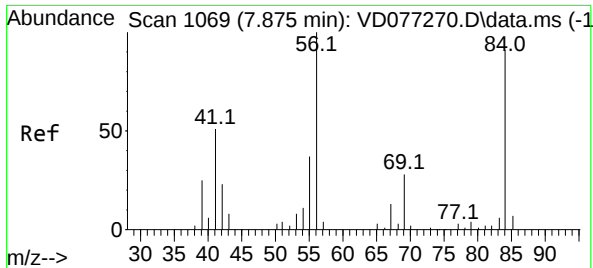
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#27
1,2-Dichloroethane
Concen: 1.261 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Tgt Ion: 62 Resp: 5960
Ion Ratio Lower Upper
62 100
98 10.4 9.4 14.0





#29

Cyclohexane

Concen: 1.045 ug/L m

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077272.D

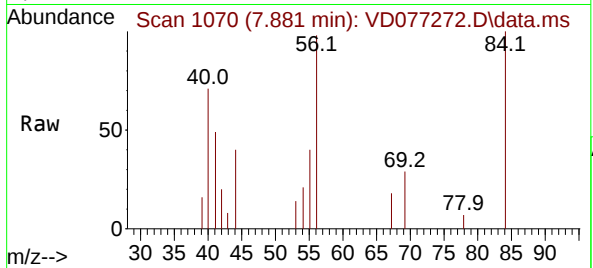
Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08



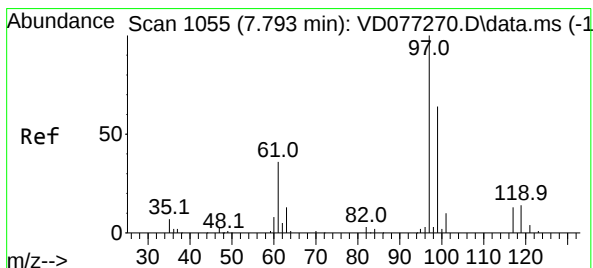
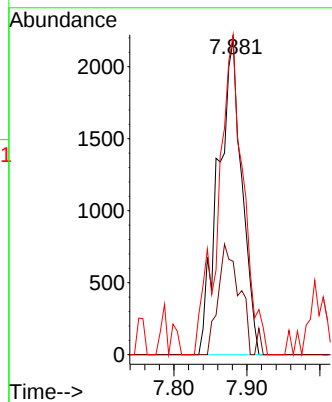
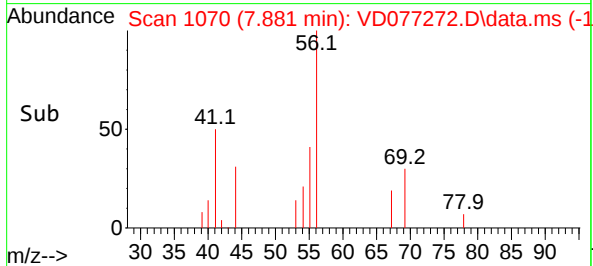
Tgt Ion:	56	Resp:	4910
Ion Ratio	Lower	Upper	
56	100		
69	25.3	25.4	38.0
84	72.3	80.6	120.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/12/2023



#30

1,1,1-Trichloroethane

Concen: 1.096 ug/L

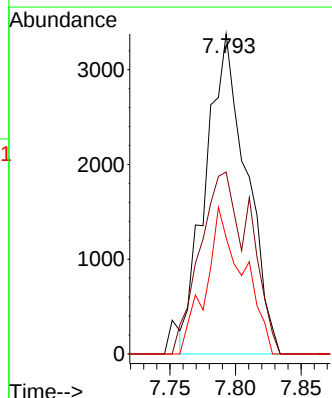
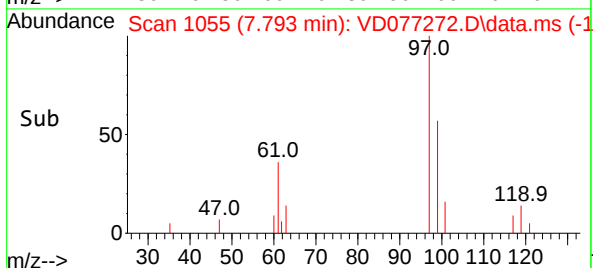
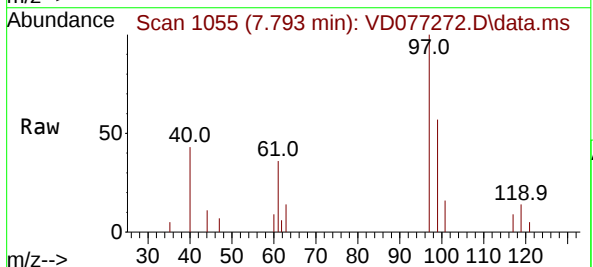
RT: 7.793 min Scan# 1055

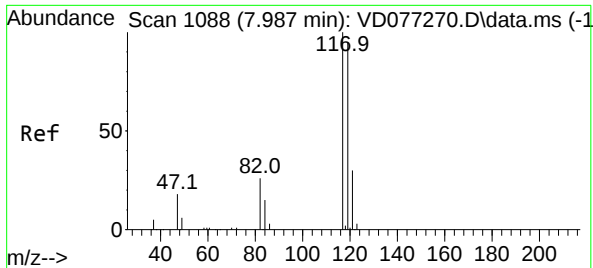
Delta R.T. 0.006 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

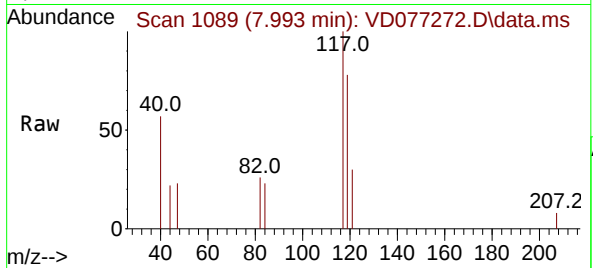
Tgt Ion:	97	Resp:	7330
Ion Ratio	Lower	Upper	
97	100		
99	52.7	51.6	77.4
61	33.1	31.6	47.4





#31
Carbon tetrachloride
Concen: 0.952 ug/L m
RT: 7.993 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

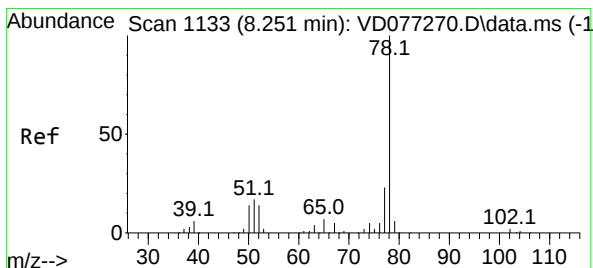
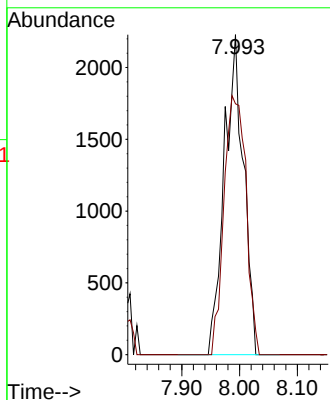
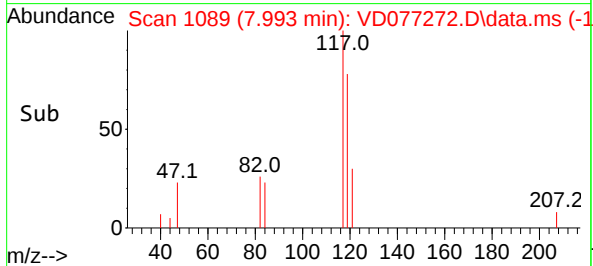
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion:117 Resp: 5150
Ion Ratio Lower Upper
117 100
119 92.3 75.4 113.0

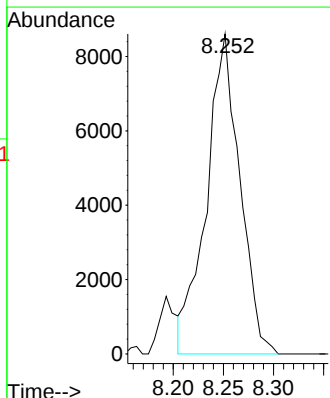
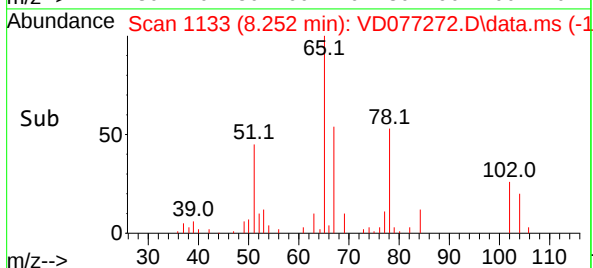
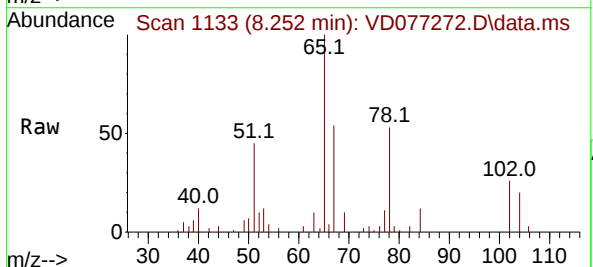
Manual Integrations
APPROVED

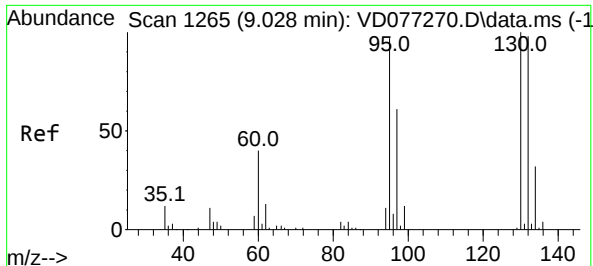
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#33
Benzene
Concen: 1.171 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

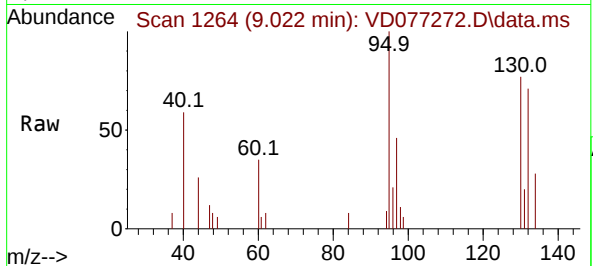
Tgt Ion: 78 Resp: 19968





#34
Trichloroethene
Concen: 1.227 ug/L
RT: 9.022 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

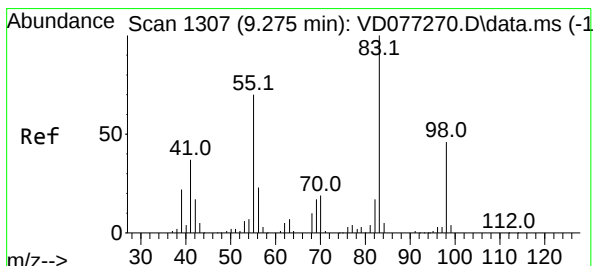
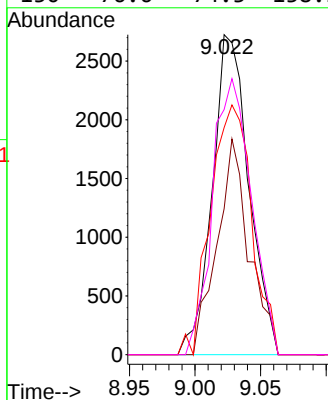
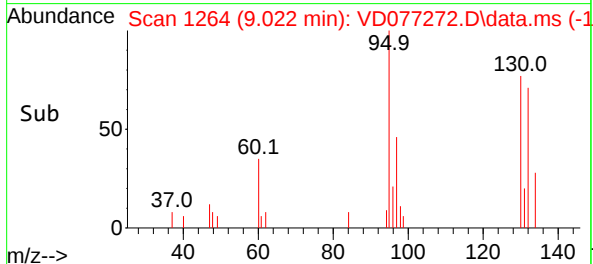
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 95 Resp: 5278
Ion Ratio Lower Upper
95 100
97 45.6 46.5 86.5
132 71.0 71.8 133.4
130 76.6 74.3 138.1

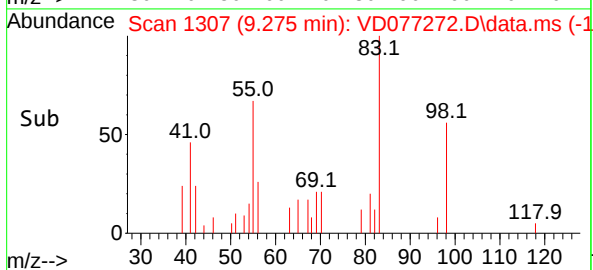
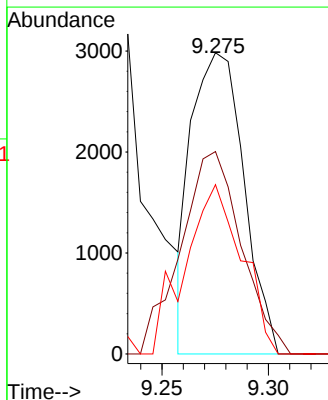
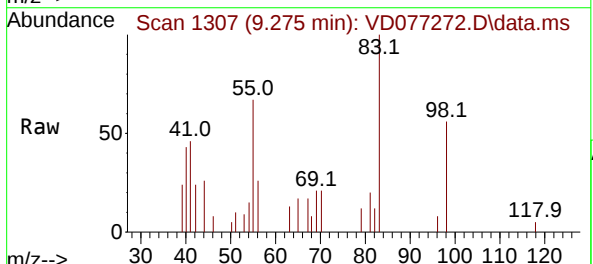
Manual Integrations
APPROVED

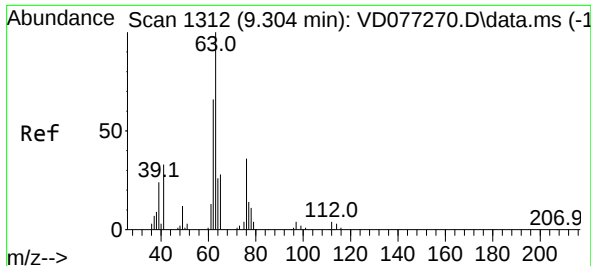
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#35
Methylcyclohexane
Concen: 0.849 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Tgt Ion: 83 Resp: 5085
Ion Ratio Lower Upper
83 100
55 78.3 53.0 79.4
98 61.4 39.4 59.0#





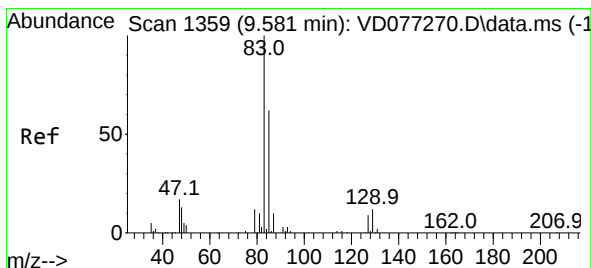
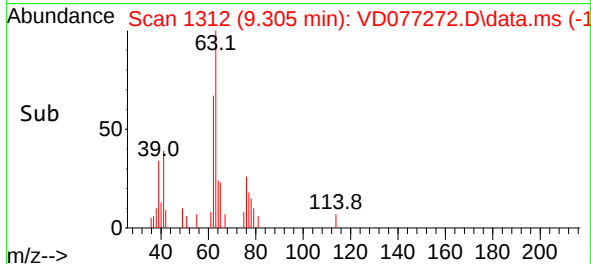
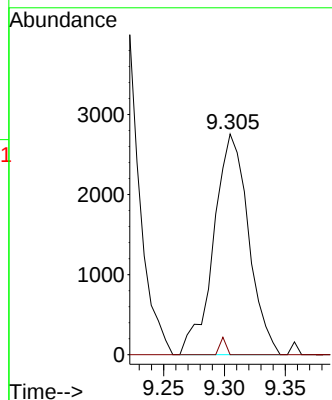
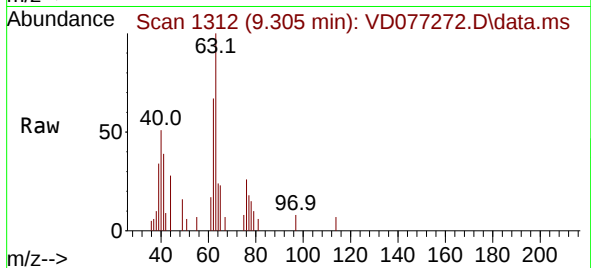
#37
1,2-Dichloropropane
Concen: 1.172 ug/L
RT: 9.305 min Scan# 1112
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 63 Resp: 5482
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2

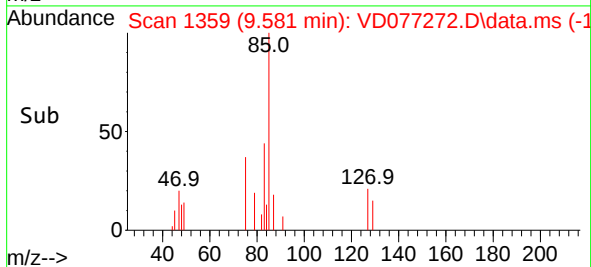
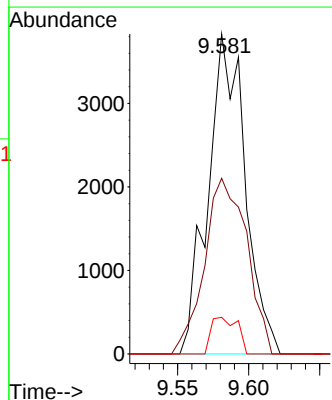
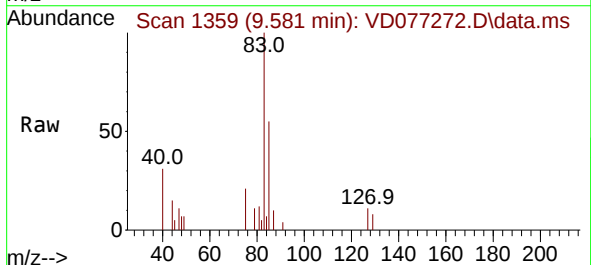
Manual Integrations
APPROVED

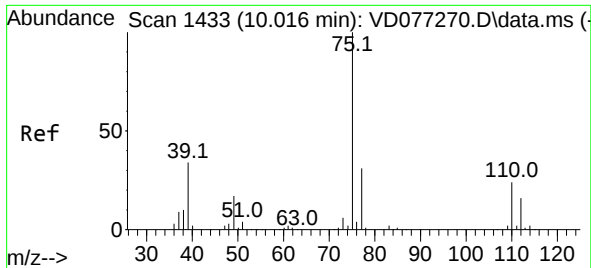
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#38
Bromodichloromethane
Concen: 1.119 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Tgt Ion: 83 Resp: 6956
Ion Ratio Lower Upper
83 100
85 54.9 44.2 82.2
127 11.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 1.037 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion: 75 Resp: 737

Ion Ratio Lower Upper

75 100

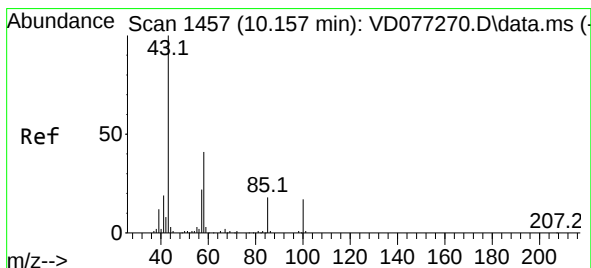
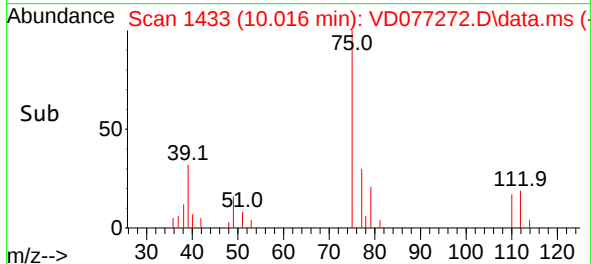
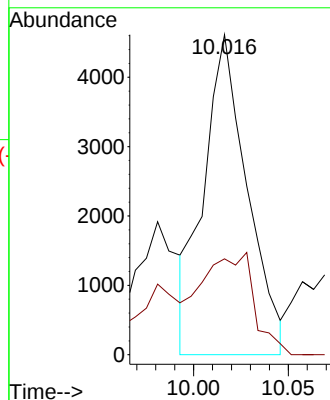
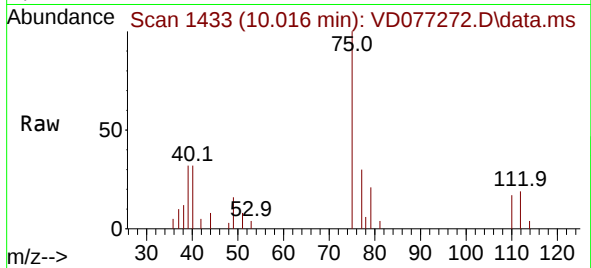
77 30.0 22.0 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/12/2023



#40

4-Methyl-2-pentanone

Concen: 2.199 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

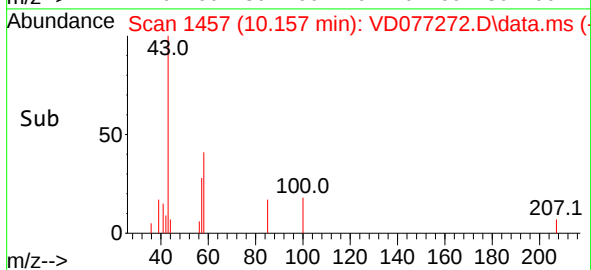
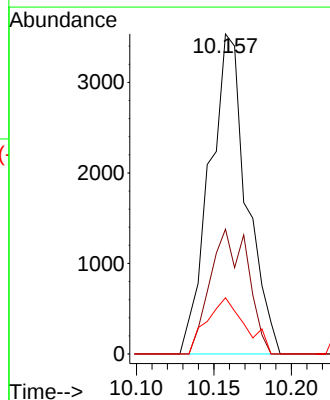
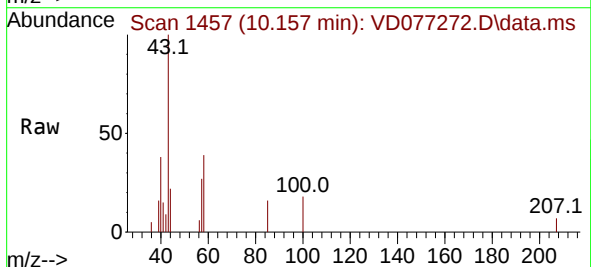
Tgt Ion: 43 Resp: 5894

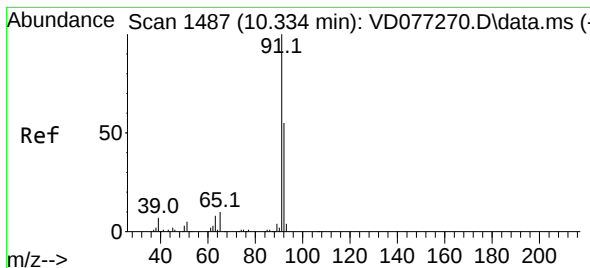
Ion Ratio Lower Upper

43 100

58 39.4 33.9 50.9

100 16.5 14.9 22.3





#42

Toluene

Concen: 1.150 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion: 91 Resp: 21149

Ion Ratio Lower Upper

91 100

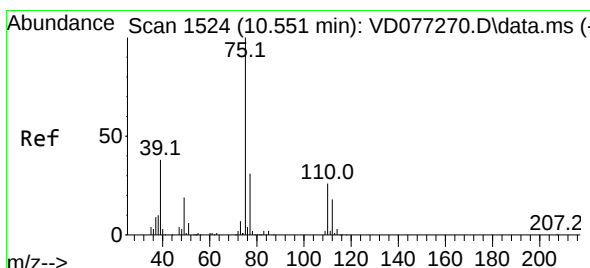
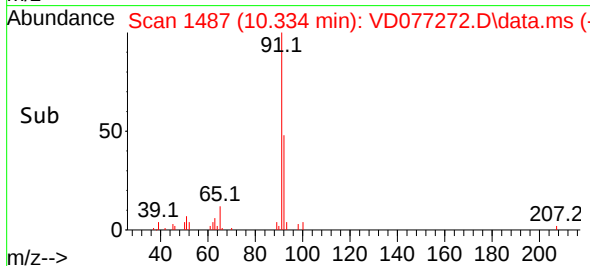
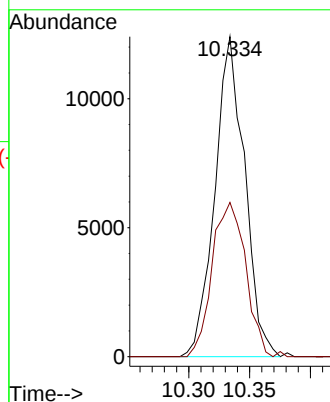
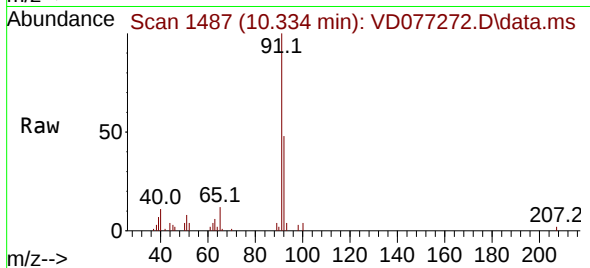
92 48.2 41.6 77.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/12/2023



#44

trans-1,3-Dichloropropene

Concen: 1.371 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD077272.D

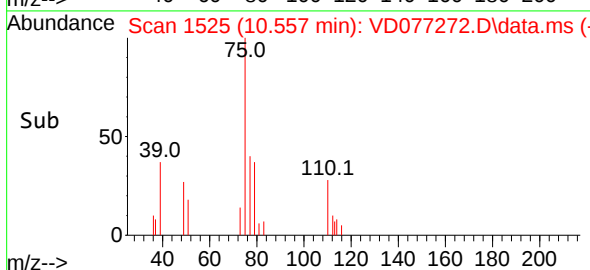
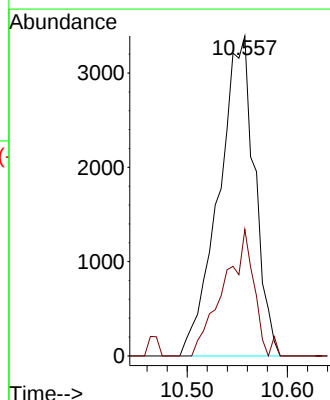
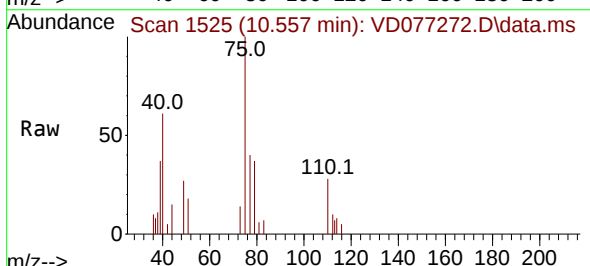
Acq: 05 Oct 2023 10:45

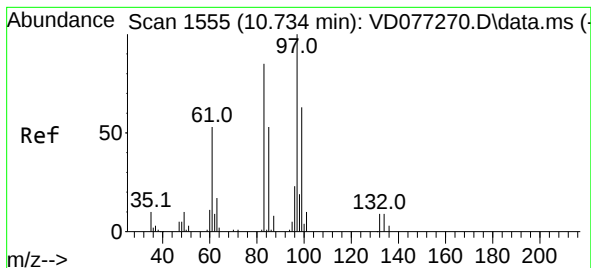
Tgt Ion: 75 Resp: 8420

Ion Ratio Lower Upper

75 100

77 39.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 1.056 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

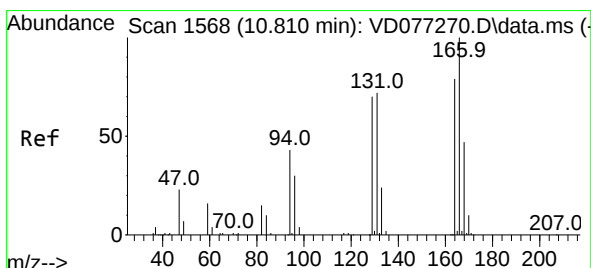
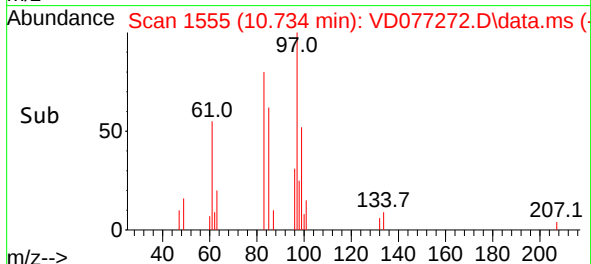
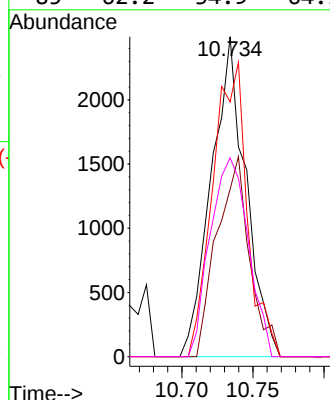
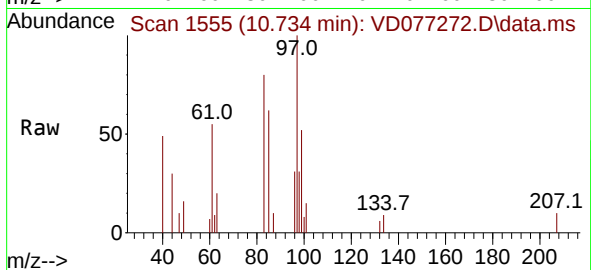
Tgt Ion: 97	Resp: 420
Ion Ratio	Lower Upper
97 100	
99 52.3	44.2 82.0
83 79.7	56.4 104.7
85 62.2	34.9 64.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/12/2023



#46

Tetrachloroethene

Concen: 1.093 ug/L

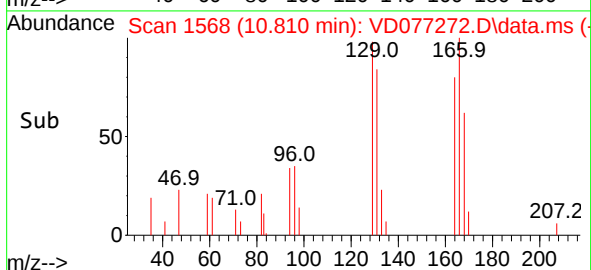
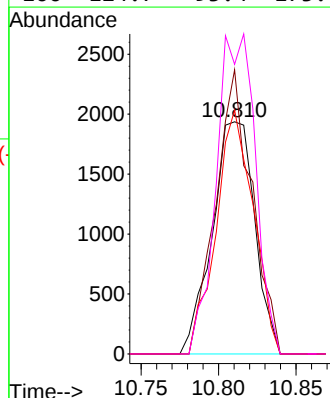
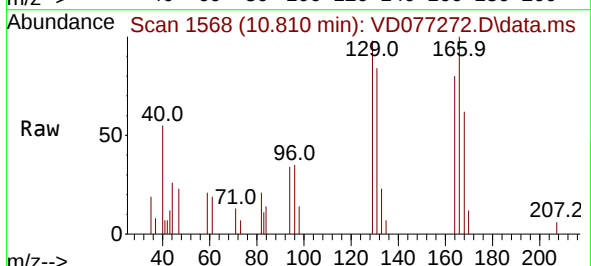
RT: 10.810 min Scan# 1568

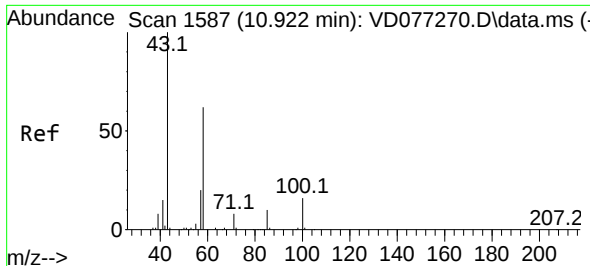
Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

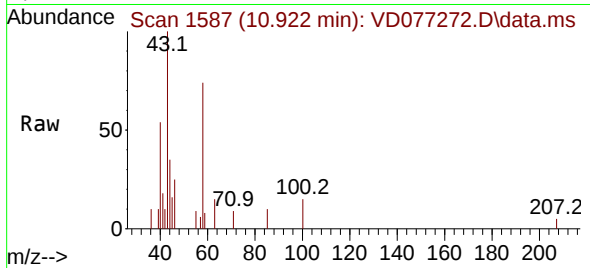
Tgt Ion: 164	Resp: 3688
Ion Ratio	Lower Upper
164 100	
129 122.4	66.1 122.8
131 105.1	63.5 117.9
166 124.7	93.4 173.4





#48
2-Hexanone
Concen: 2.476 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

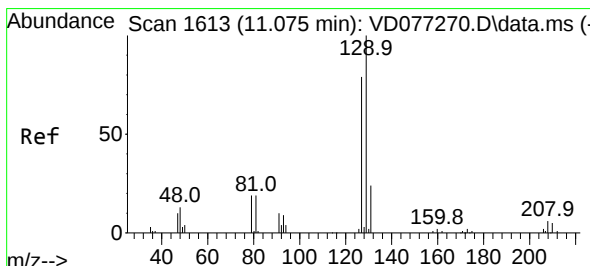
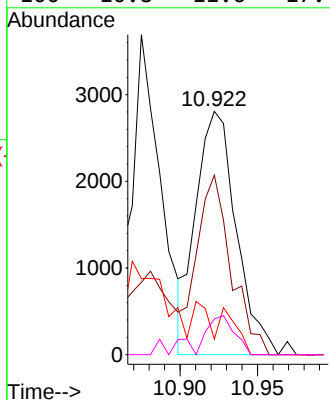
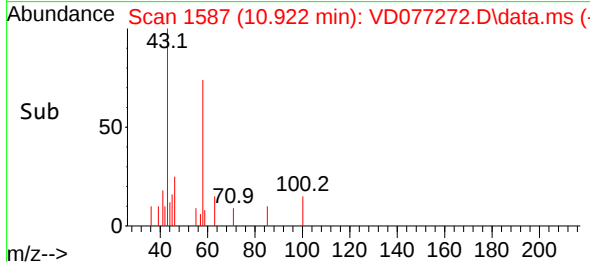
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 5090
Ion Ratio Lower Upper
43 100
58 63.3 47.8 71.8
57 8.1 15.6 23.4
100 10.8 11.6 17.4#

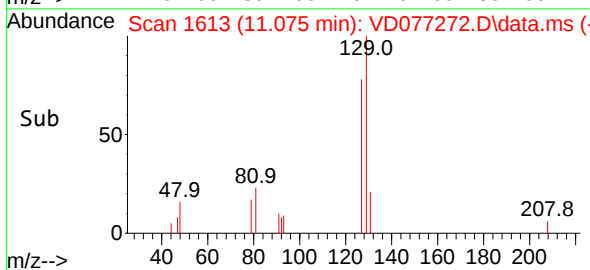
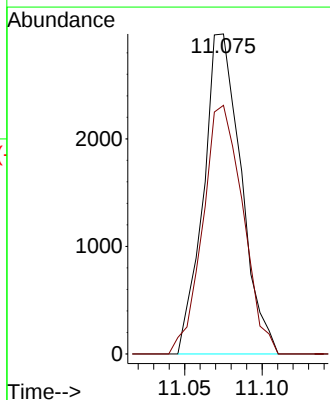
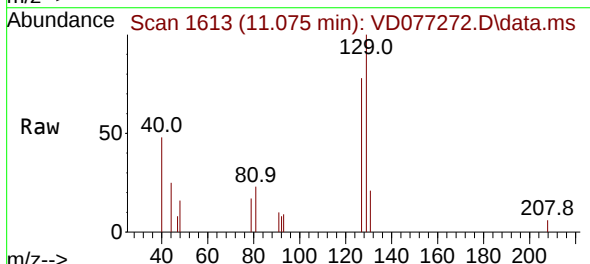
Manual Integrations
APPROVED

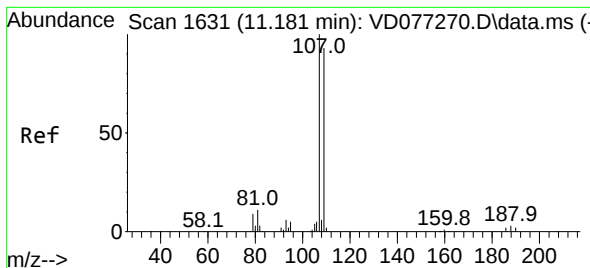
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#49
Dibromochloromethane
Concen: 1.134 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Tgt Ion:129 Resp: 5027
Ion Ratio Lower Upper
129 100
127 77.7 54.5 101.1





#50

1,2-Dibromoethane

Concen: 1.142 ug/L

RT: 11.187 min Scan# 1

Delta R.T. 0.012 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

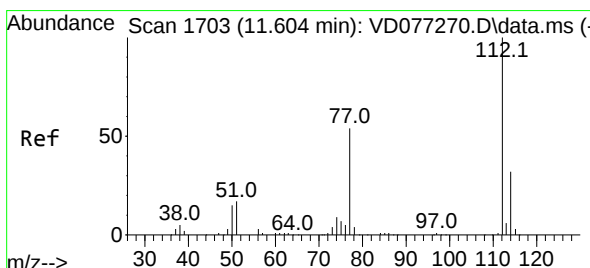
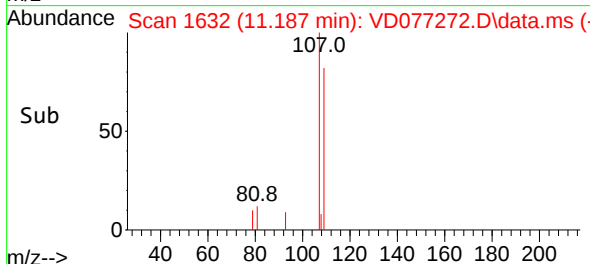
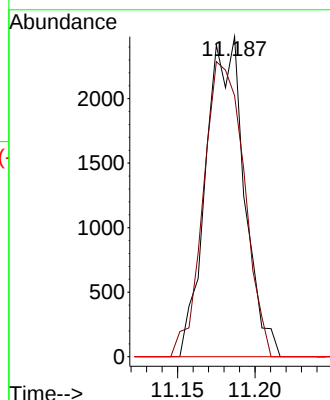
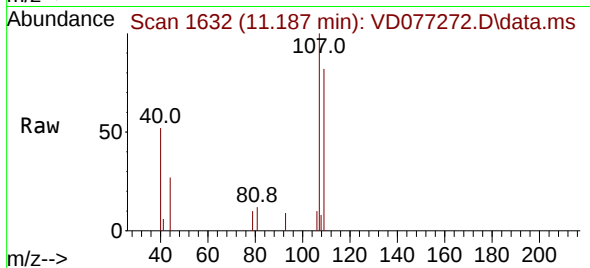
Tgt Ion:	107	Resp:	4250
Ion Ratio	Lower	Upper	
107	100		
109	81.5	68.8	127.8
188	0.0	3.0	4.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/12/2023



#51

Chlorobenzene

Concen: 1.028 ug/L

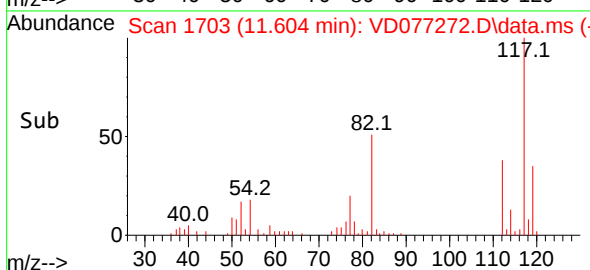
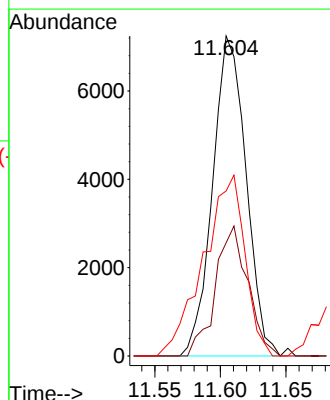
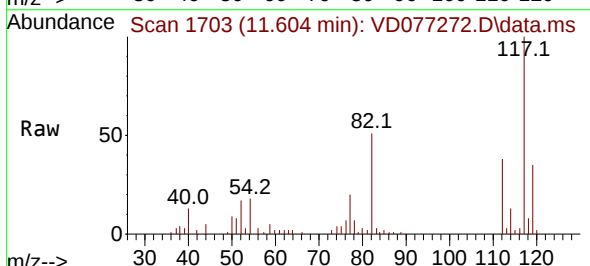
RT: 11.604 min Scan# 1703

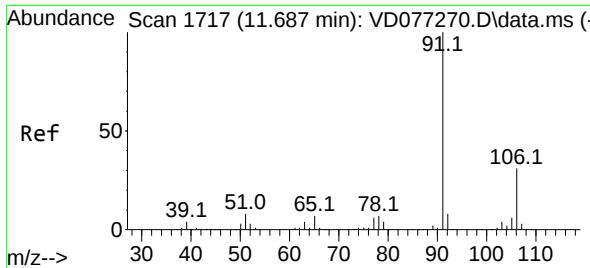
Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Tgt Ion:	112	Resp:	12841
Ion Ratio	Lower	Upper	
112	100		
114	35.4	22.7	42.1
77	51.5	40.8	61.2





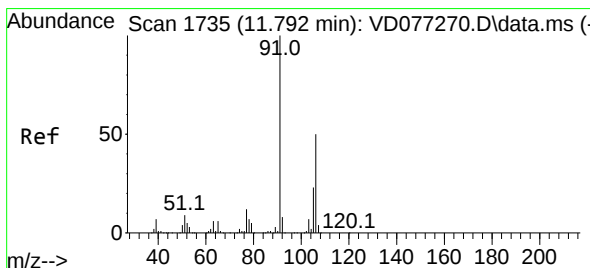
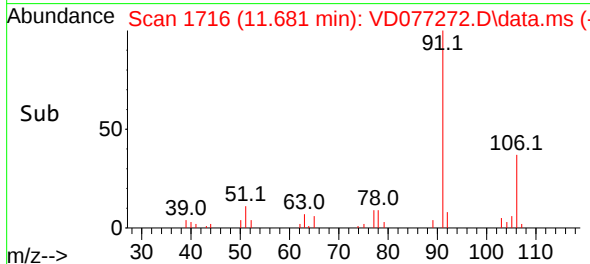
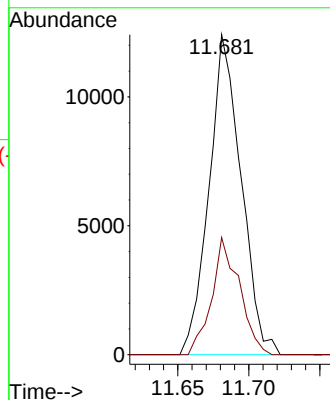
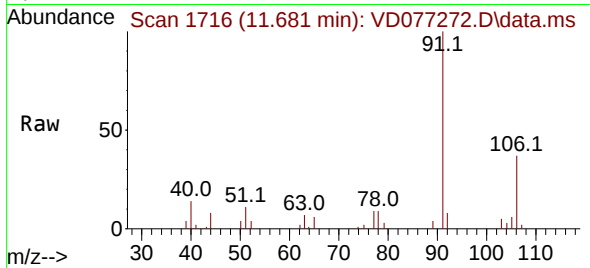
#52
Ethylbenzene
Concen: 0.977 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 91 Resp: 1948
Ion Ratio Lower Upper
91 100
106 36.6 23.2 43.0

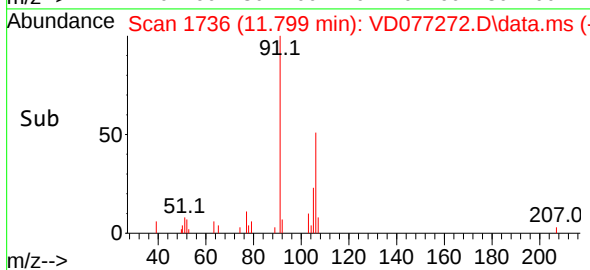
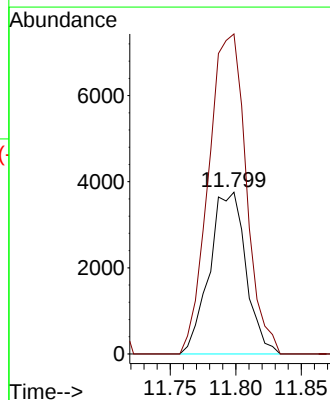
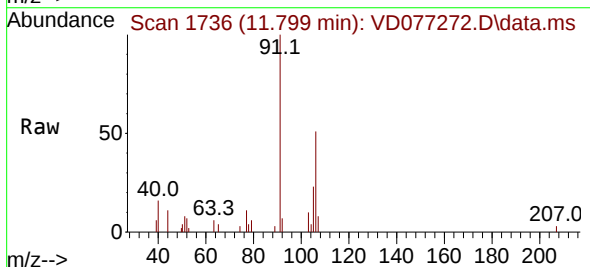
Manual Integrations
APPROVED

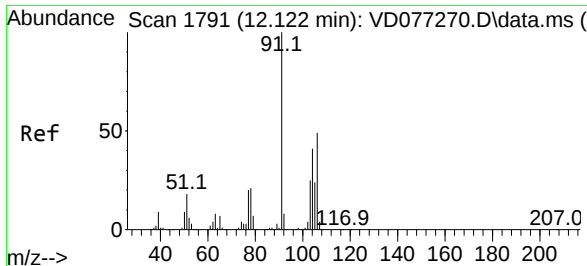
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#53
m,p-Xylene
Concen: 0.951 ug/L
RT: 11.799 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

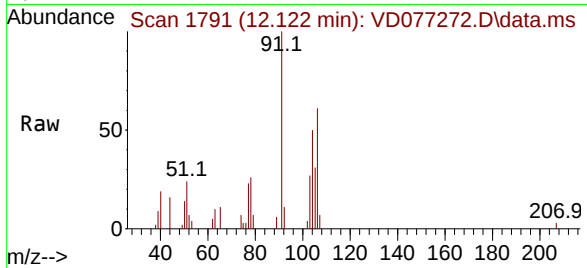
Tgt Ion:106 Resp: 7235
Ion Ratio Lower Upper
106 100
91 197.7 132.8 246.6





#54
o-Xylene
Concen: 0.870 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

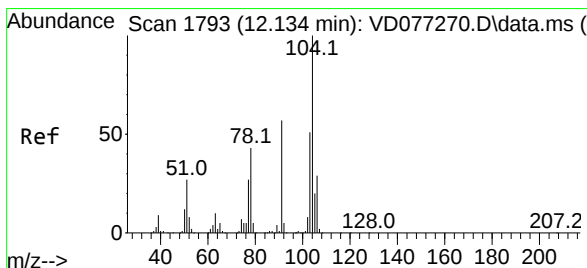
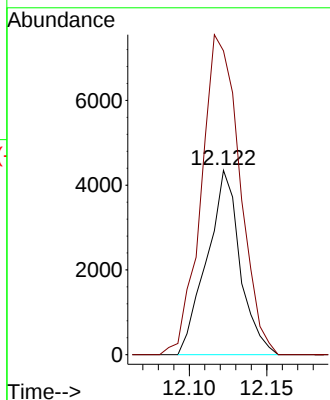
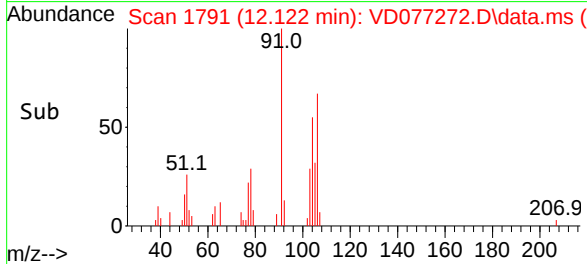
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion:106 Resp: 6449
Ion Ratio Lower Upper
106 100
91 164.8 146.7 272.5

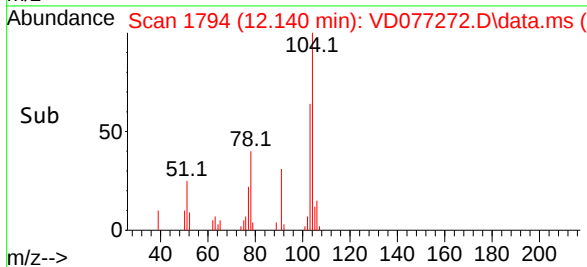
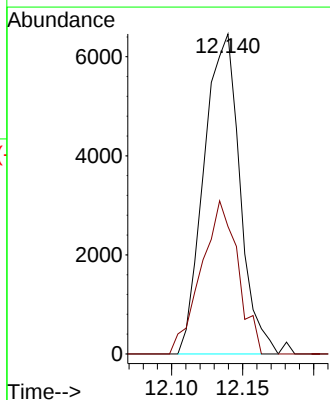
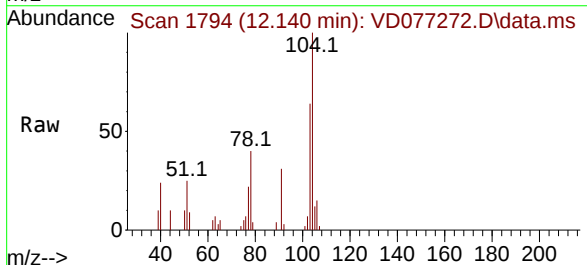
Manual Integrations
APPROVED

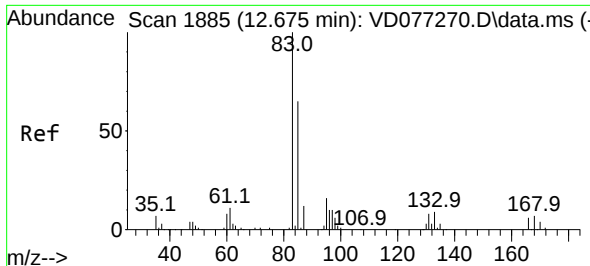
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#55
Styrene
Concen: 0.841 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Tgt Ion:104 Resp: 11343
Ion Ratio Lower Upper
104 100
78 39.8 29.0 53.8





#57

1,1,2,2-Tetrachloroethane

Concen: 1.362 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

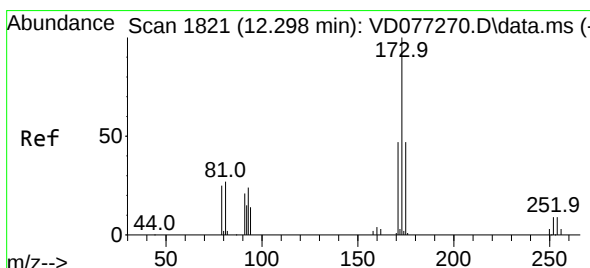
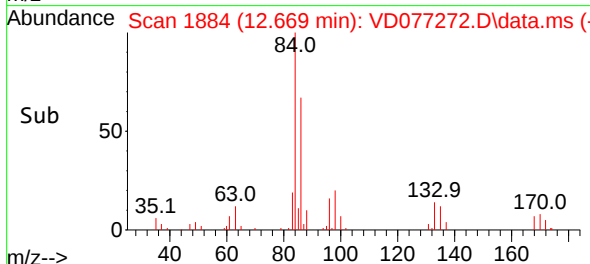
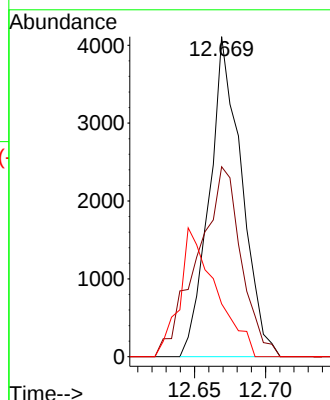
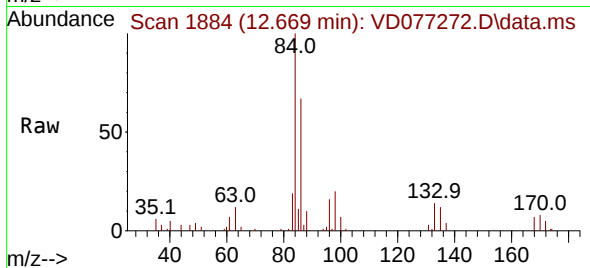
Tgt Ion:	83	Resp:	648
Ion Ratio	Lower	Upper	
83	100		
85	59.4	44.0	81.8
131	16.5	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/12/2023



#59

Bromoform

Concen: 1.165 ug/L

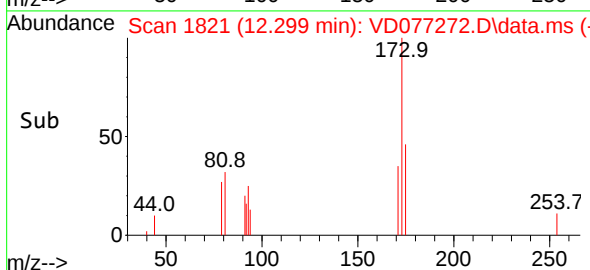
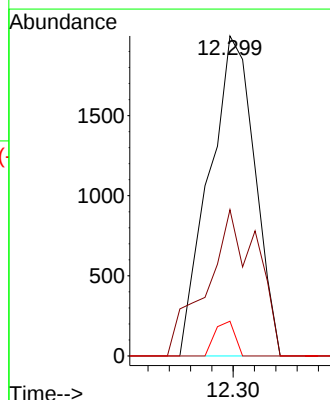
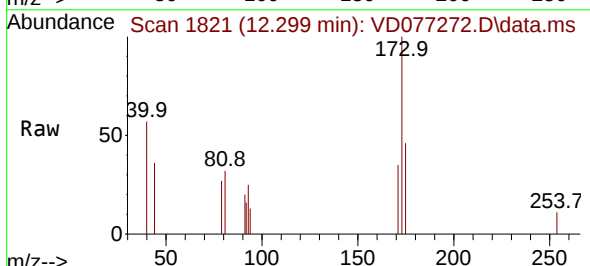
RT: 12.299 min Scan# 1821

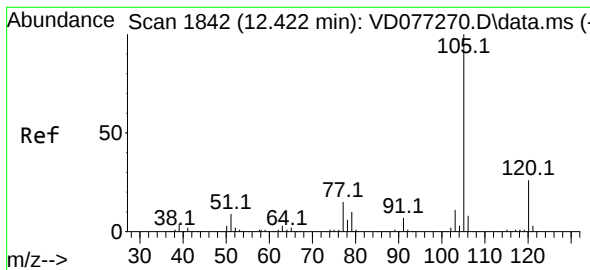
Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

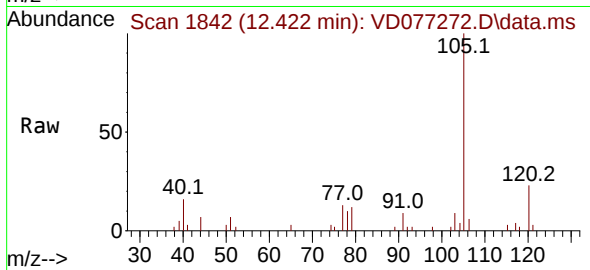
Tgt Ion:	173	Resp:	2967
Ion Ratio	Lower	Upper	
173	100		
175	12.9	39.5	59.3#
254	4.8	7.1	10.7#





#60
Isopropylbenzene
Concen: 0.983 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

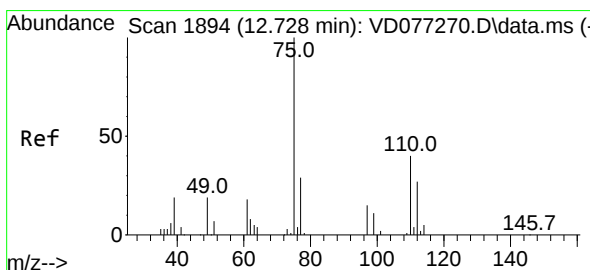
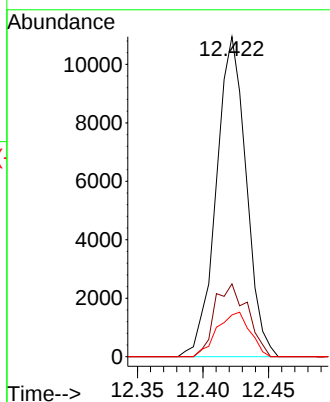
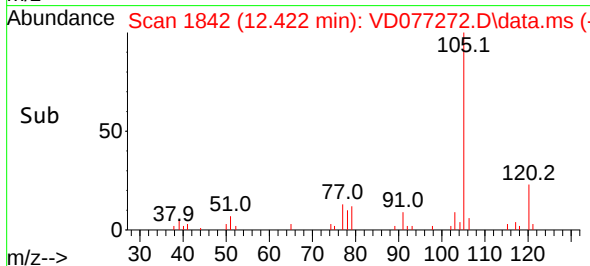
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



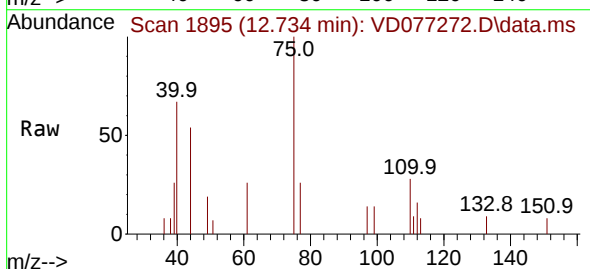
Tgt Ion:105 Resp: 1736
Ion Ratio Lower Upper
105 100
120 25.1 21.3 31.9
77 15.3 11.5 17.3

Manual Integrations
APPROVED

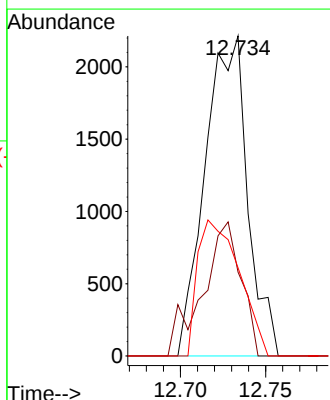
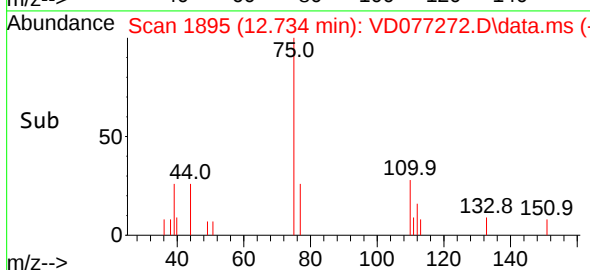
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023

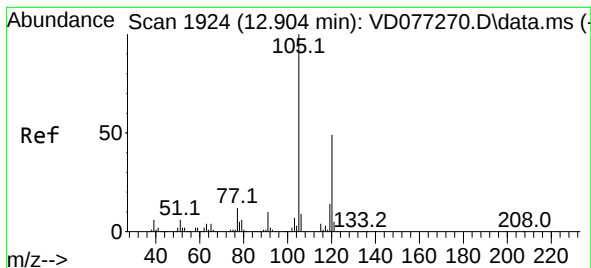


#61
1,2,3-Trichloropropane
Concen: 1.338 ug/L
RT: 12.734 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45



Tgt Ion: 75 Resp: 3833
Ion Ratio Lower Upper
75 100
77 33.1 25.3 37.9
110 41.9 33.8 50.8





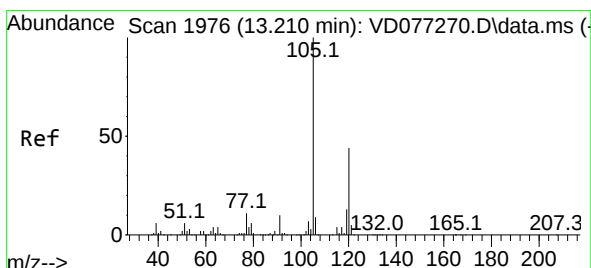
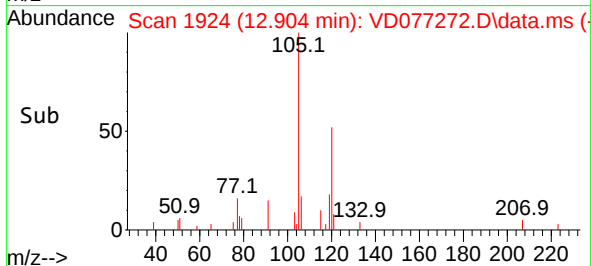
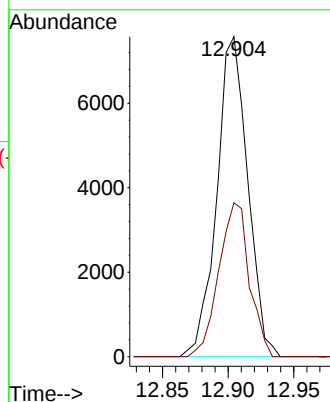
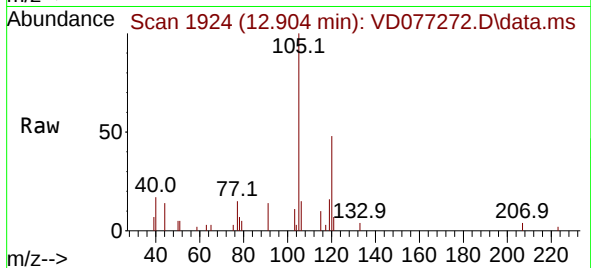
#62
1,3,5-Trimethylbenzene
Concen: 0.919 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion:105 Resp: 1242
Ion Ratio Lower Upper
105 100
120 47.5 39.4 59.2

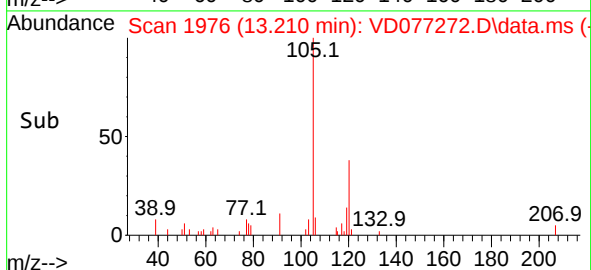
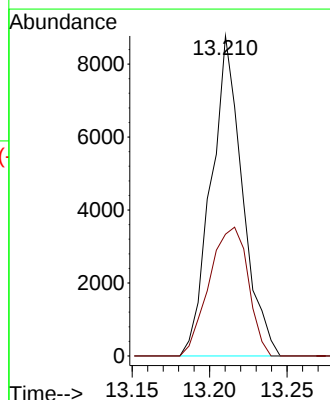
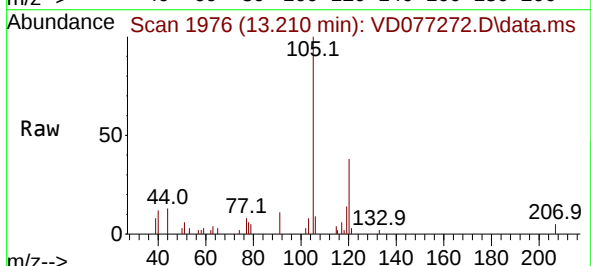
Manual Integrations
APPROVED

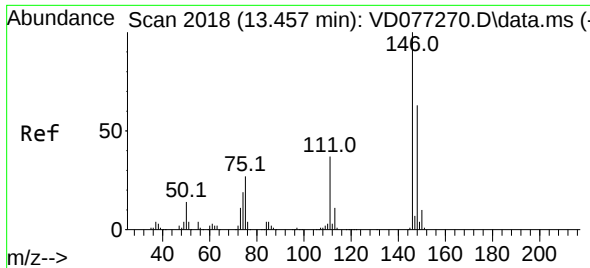
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.920 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Tgt Ion:105 Resp: 12347
Ion Ratio Lower Upper
105 100
120 49.9 37.6 56.4





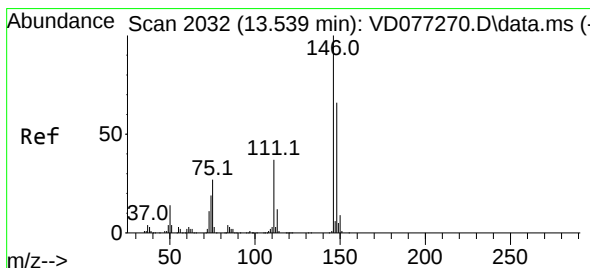
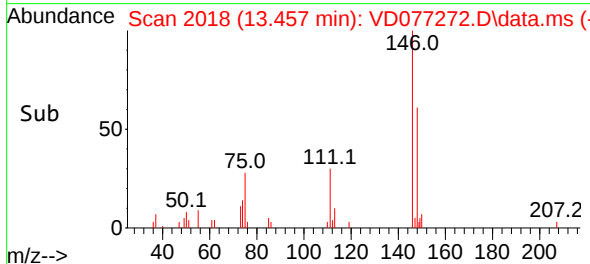
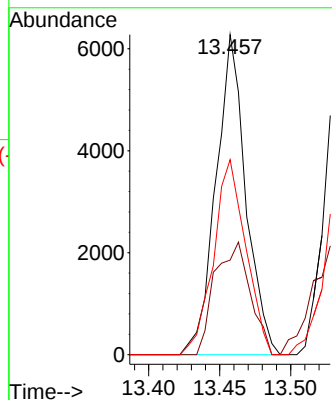
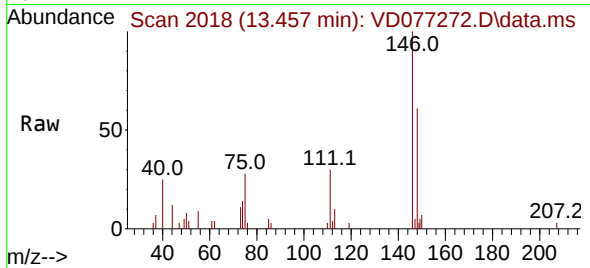
#64
1,3-Dichlorobenzene
Concen: 1.070 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion:146 Resp: 9204
Ion Ratio Lower Upper
146 100
111 29.6 26.1 48.5
148 61.0 45.3 84.1

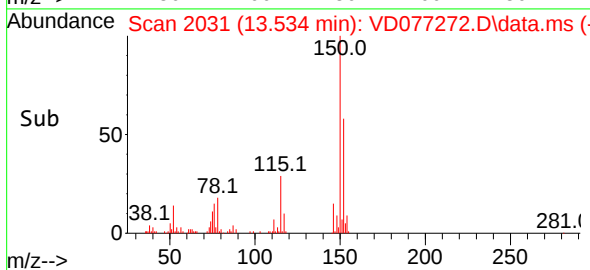
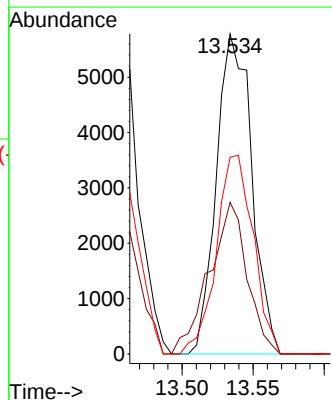
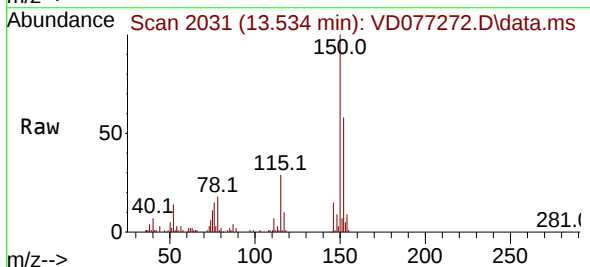
Manual Integrations
APPROVED

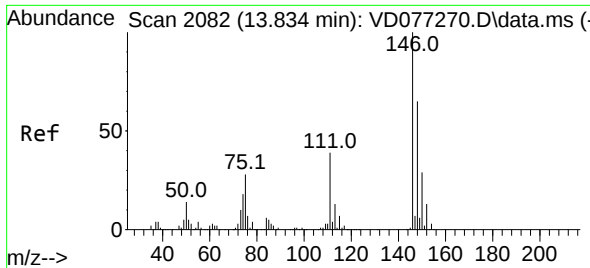
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023



#65
1,4-Dichlorobenzene
Concen: 1.113 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

Tgt Ion:146 Resp: 10001
Ion Ratio Lower Upper
146 100
111 47.4 24.6 45.8#
148 61.5 43.5 80.7





#67

1,2-Dichlorobenzene

Concen: 1.310 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

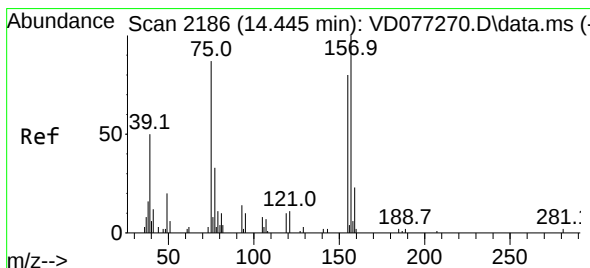
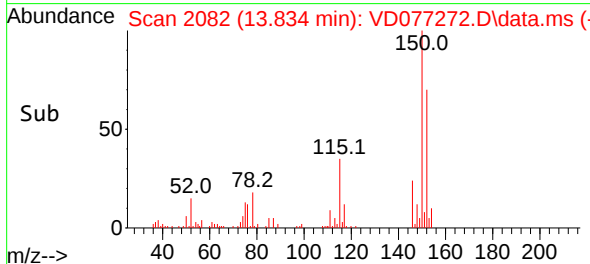
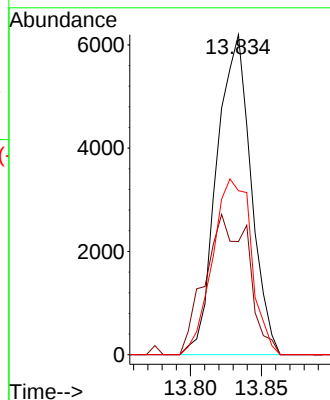
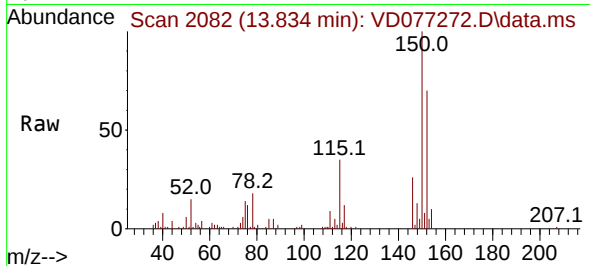
Tgt Ion:	146	Resp:	10378
Ion Ratio	Lower	Upper	
146	100		
111	35.4	32.3	48.5
148	51.3	51.4	77.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/12/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 1.088 ug/L m

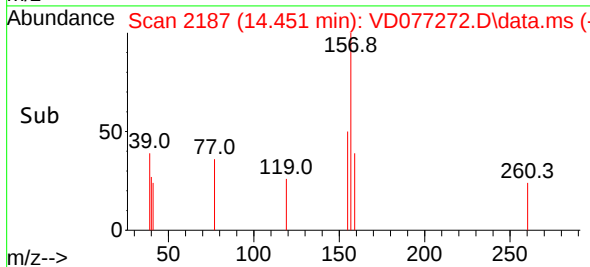
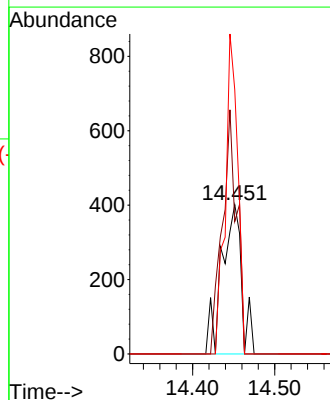
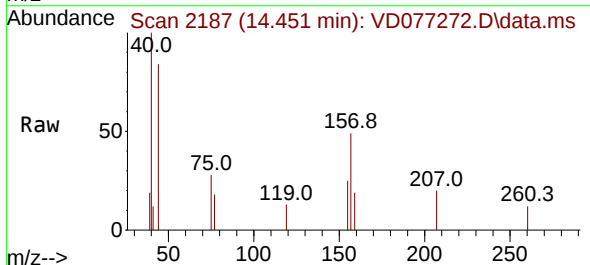
RT: 14.451 min Scan# 2187

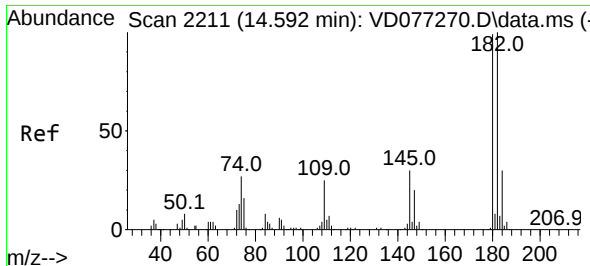
Delta R.T. 0.006 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

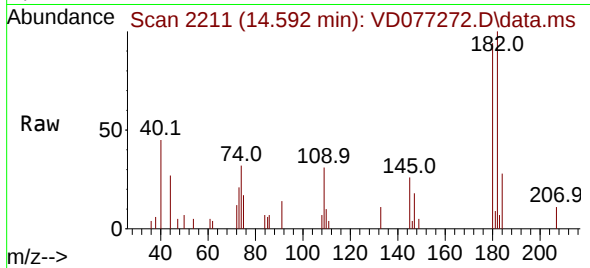
Tgt Ion:	75	Resp:	667
Ion Ratio	Lower	Upper	
75	100		
155	88.8	69.8	104.6
157	177.1	91.5	137.3





#69
1,3,5-Trichlorobenzene
Concen: 1.061 ug/L
RT: 14.592 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45

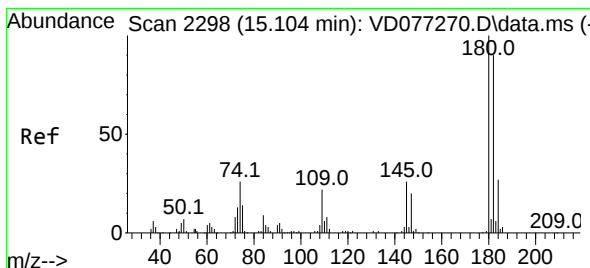
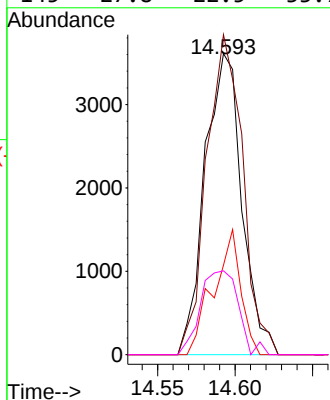
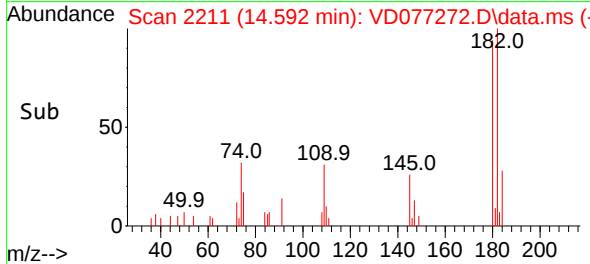
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



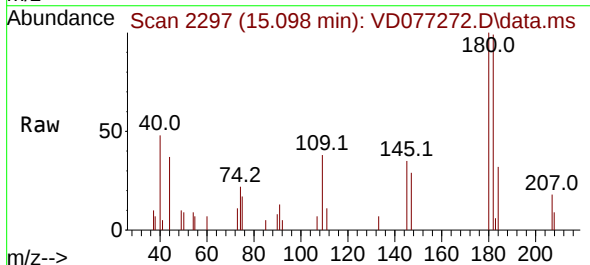
Tgt Ion:180 Resp: 5998
Ion Ratio Lower Upper
180 100
182 103.4 75.2 112.8
184 30.7 25.0 37.4
145 27.8 22.5 33.7

Manual Integrations
APPROVED

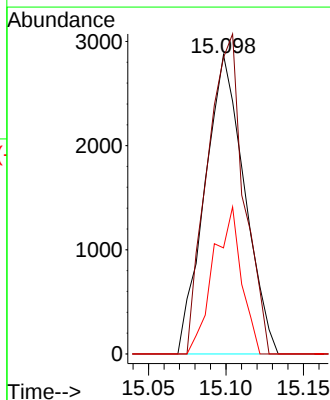
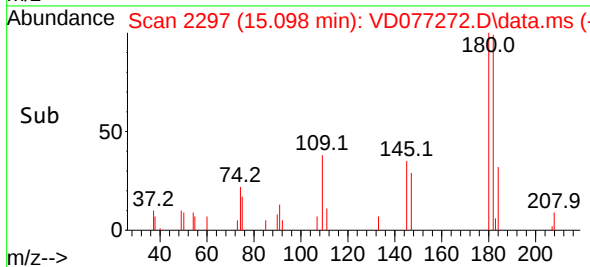
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/12/2023

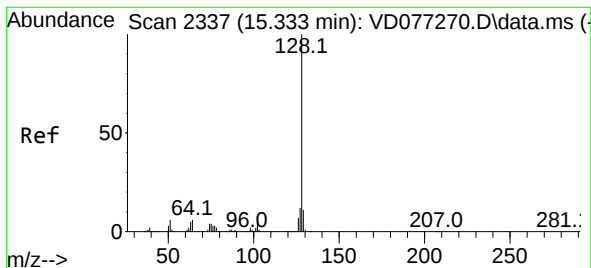


#70
1,2,4-trichlorobenzene
Concen: 1.054 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD077272.D
Acq: 05 Oct 2023 10:45



Tgt Ion:180 Resp: 5108
Ion Ratio Lower Upper
180 100
182 98.2 76.8 115.2
145 34.9 23.0 34.6#





#71

Naphthalene

Concen: 1.105 ug/L

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077272.D

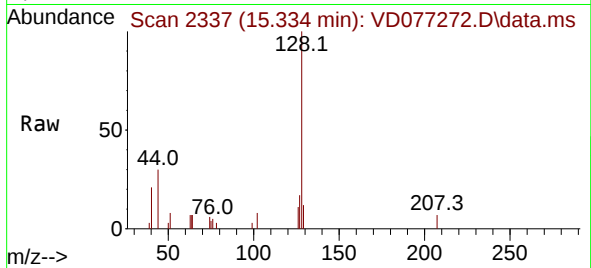
Acq: 05 Oct 2023 10:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08



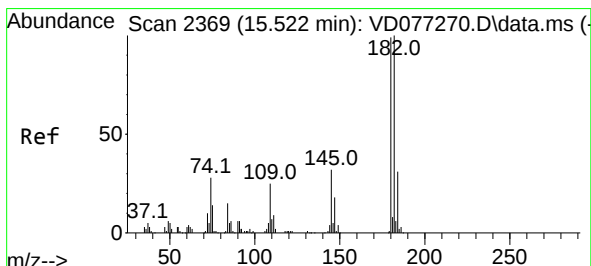
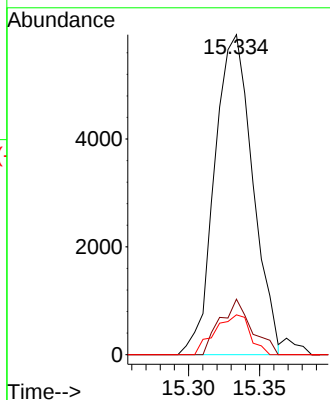
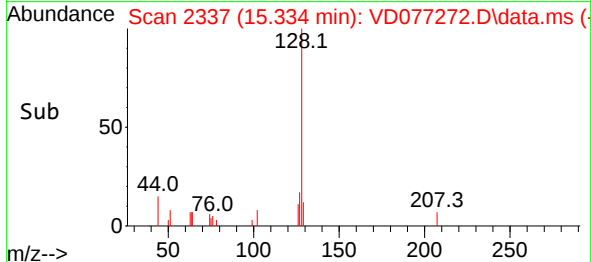
Tgt Ion:	128	Resp:	1108
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.5	15.7
129	11.5	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/12/2023



#72

1,2,3-Trichlorobenzene

Concen: 1.132 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD077272.D

Acq: 05 Oct 2023 10:45

Tgt Ion:	180	Resp:	5124
Ion Ratio	Lower	Upper	
180	100		
182	97.7	77.4	116.2
145	15.5	25.5	38.3

