

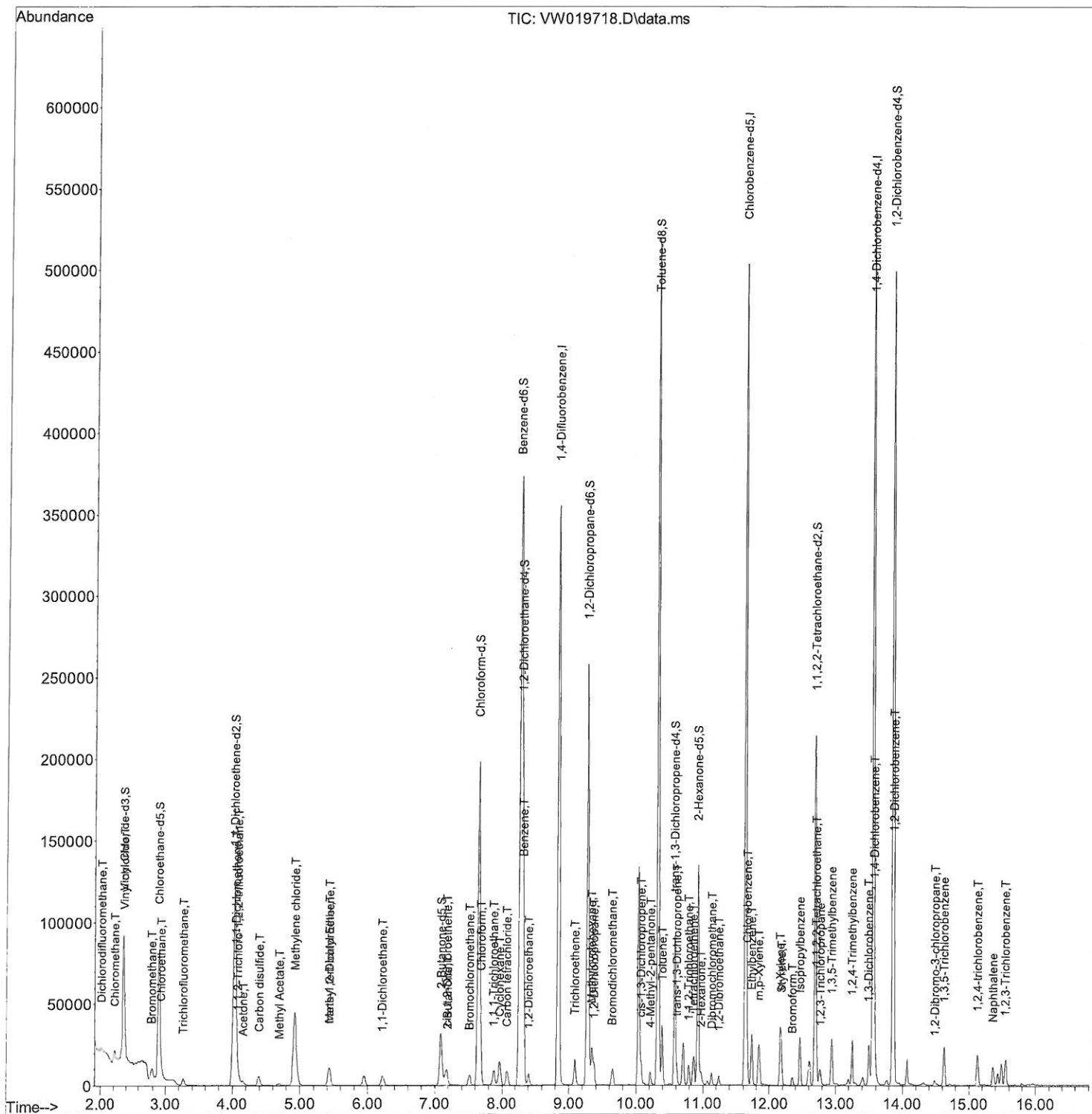
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081221\
Data File : VW019718.D
Acq On : 12 Aug 2021 10:34
Operator : SY/VA
Sample : M3263-03
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:48:52 PM

Quant Time: Aug 13 03:08:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 13 02:01:28 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

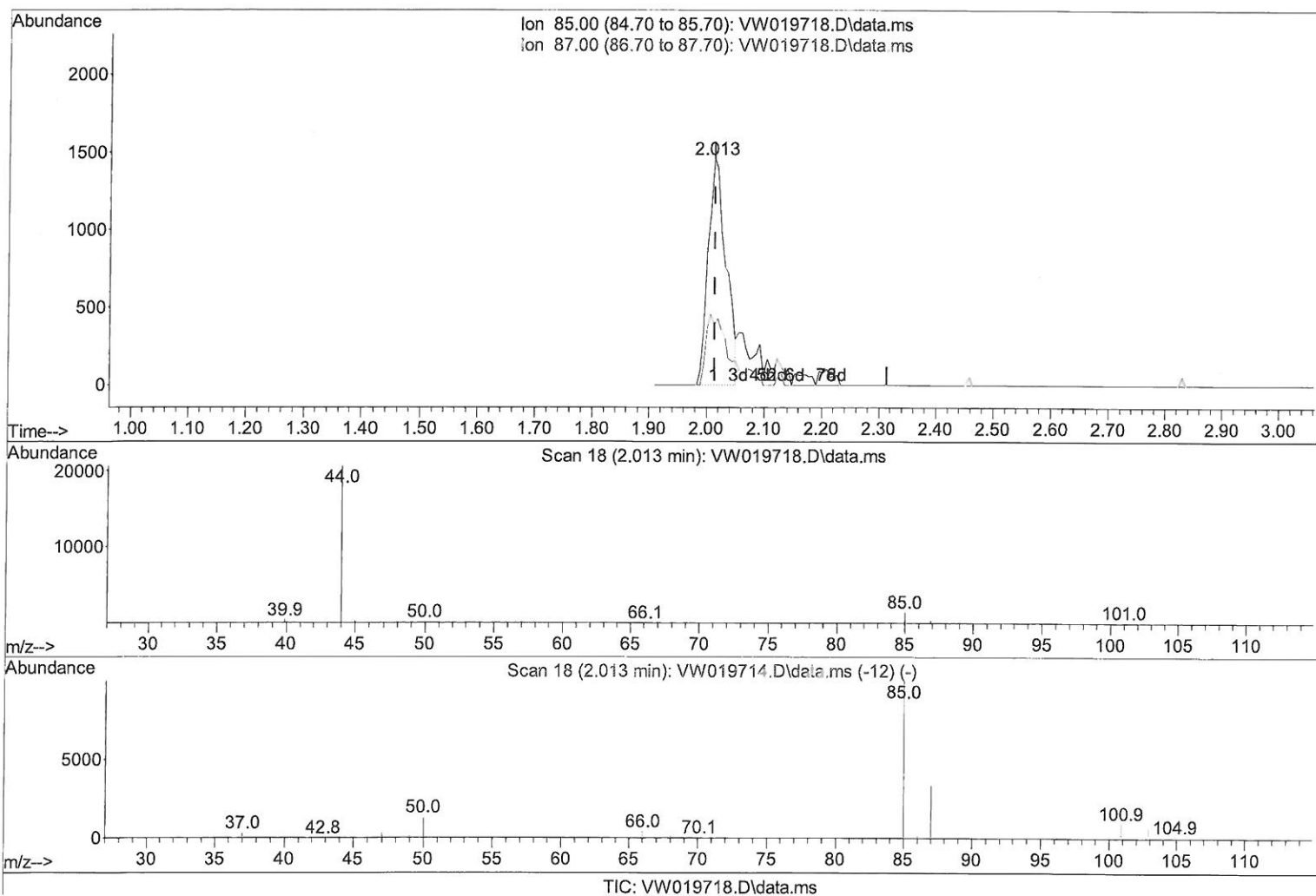
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(2) Dichlorodifluoromethane (T)

2.013min (-0.000) 0.98 ug/L

response 3137

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	29.10	31.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

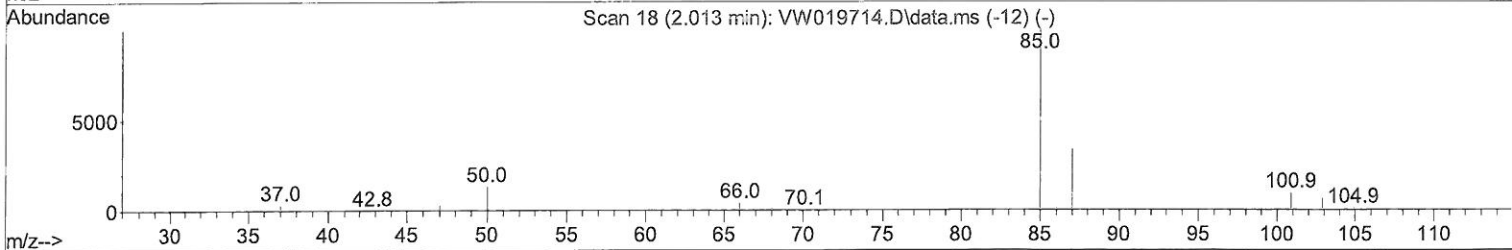
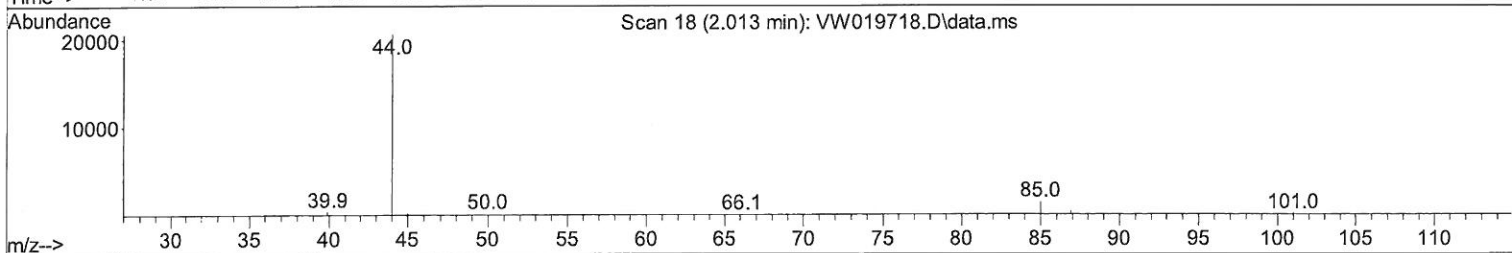
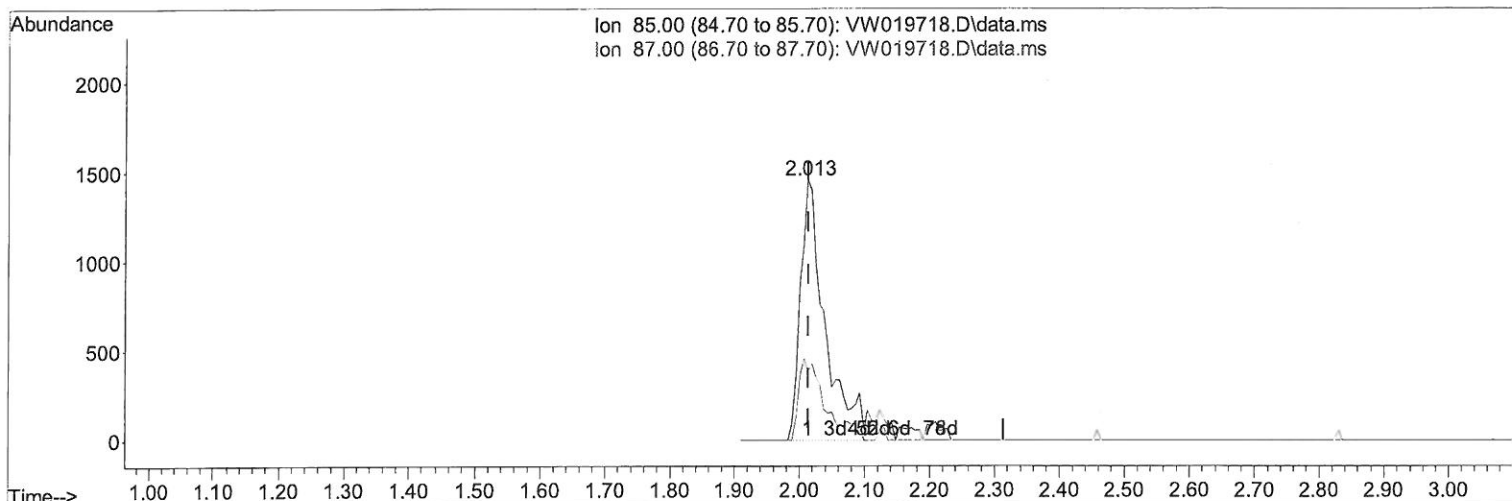
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TIC: VW019718.D\data.ms

(2) Dichlorodifluoromethane (T)

2.013min (-0.000) 1.18 ug/L m

response 3786

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	29.10	26.47
0.00	0.00	0.00
0.00	0.00	0.00

7 MB
 8/19/21

Quantitation Report (Qedit)

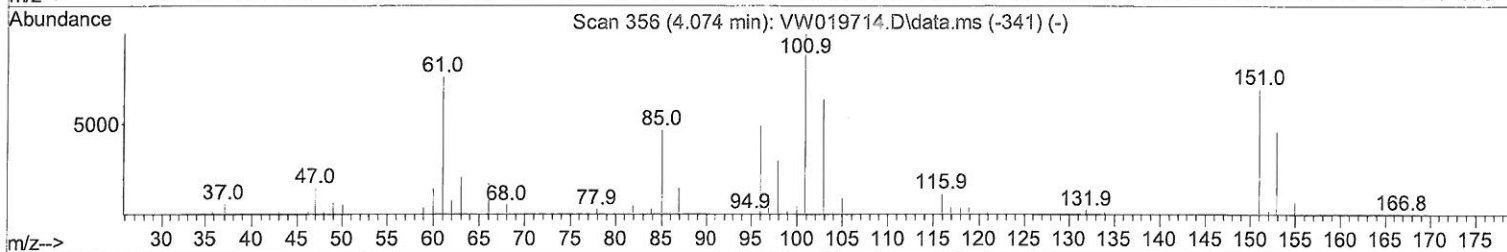
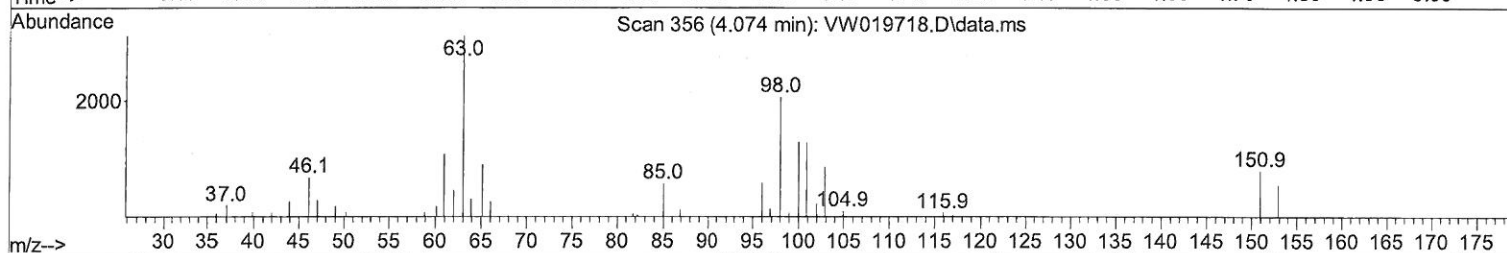
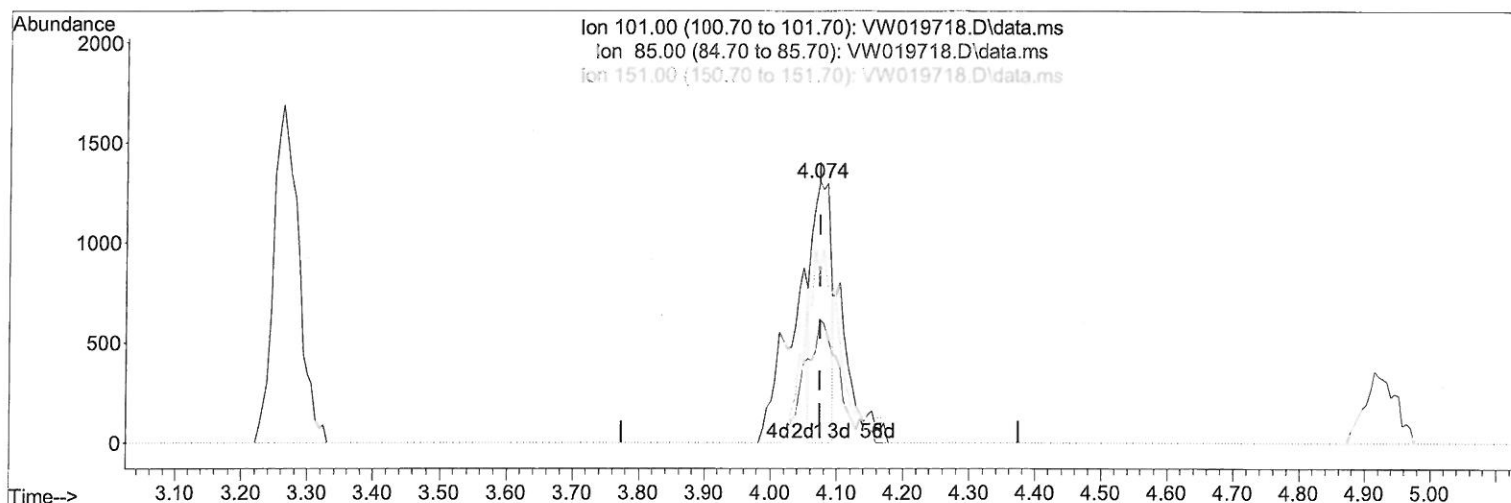
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TIC: VW019718.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.074min (-0.000) 0.69 ug/L

response 2491

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	47.70	58.37#
151.00	70.80	138.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

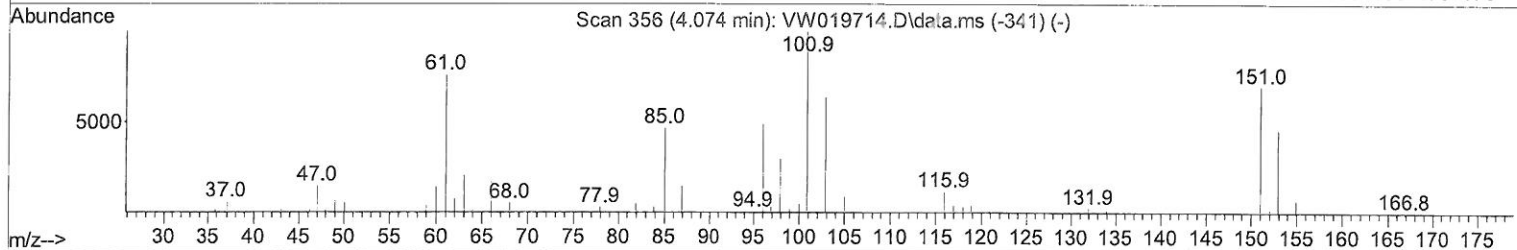
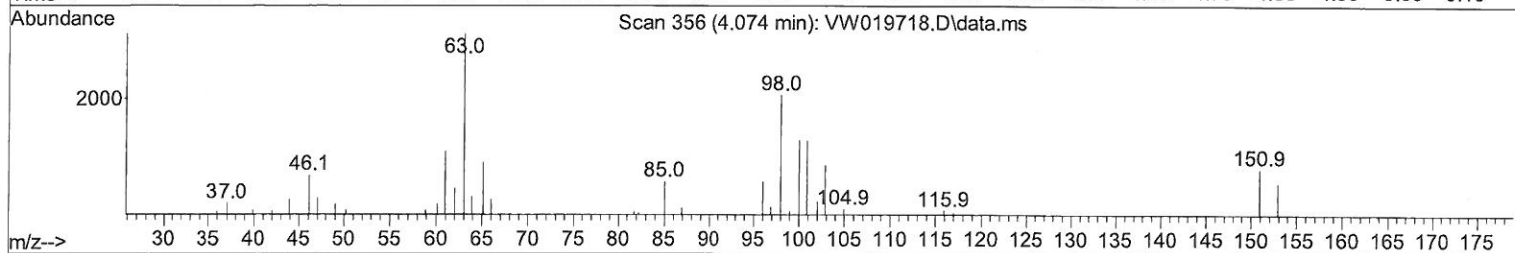
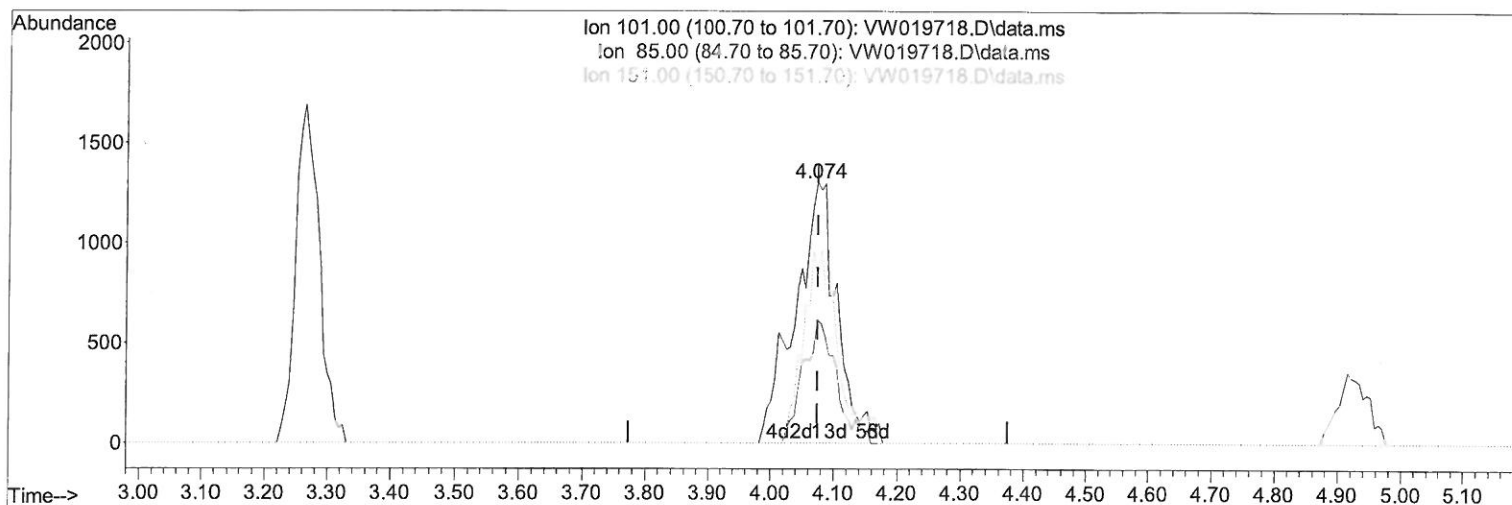
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Data File : VW019718.D
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Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
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TIC: VW019718.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.074min (-0.000) 1.65 ug/L m

response 5962

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	47.70	24.39#
151.00	70.80	58.00
0.00	0.00	0.00

7 mg
8/19/21

Quantitation Report (Qedit)

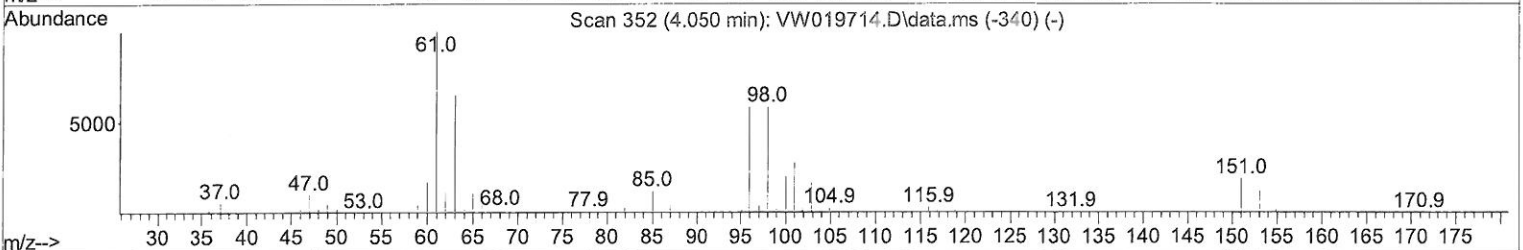
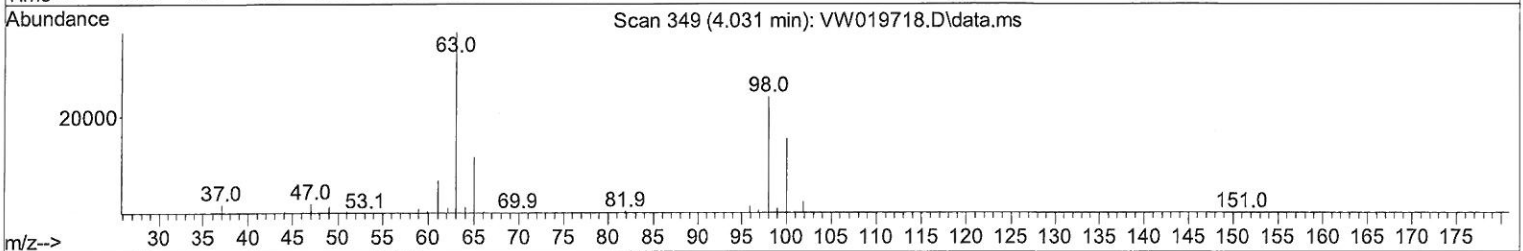
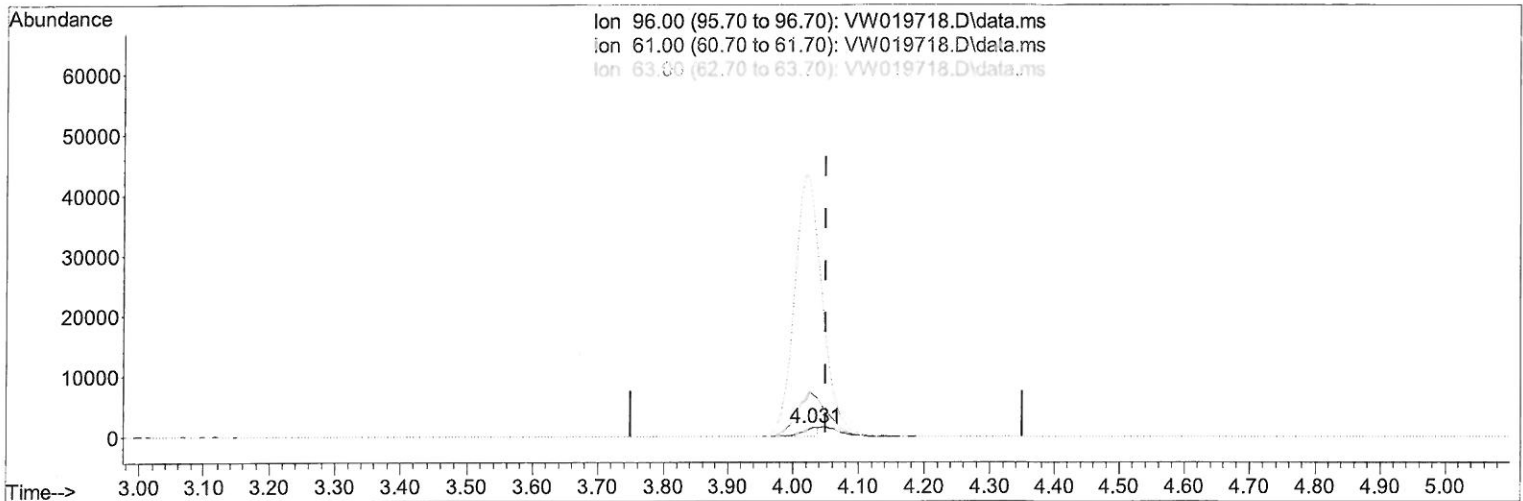
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Manual Integrations
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TIC: VW019718.D\data.ms

(12) 1,1-Dichloroethene (T)

4.031min (-0.018) 0.67 ug/L

response 2342

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	168.70	462.46#
63.00	119.60	2545.55#
0.00	0.00	0.00

Quantitation Report (Qedit)

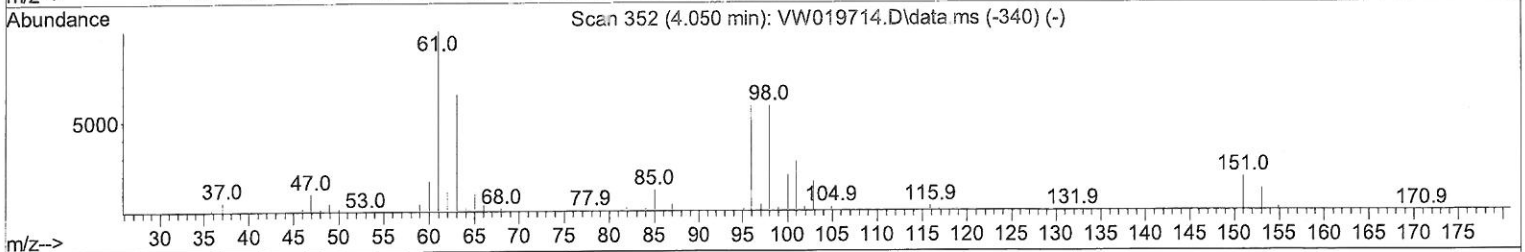
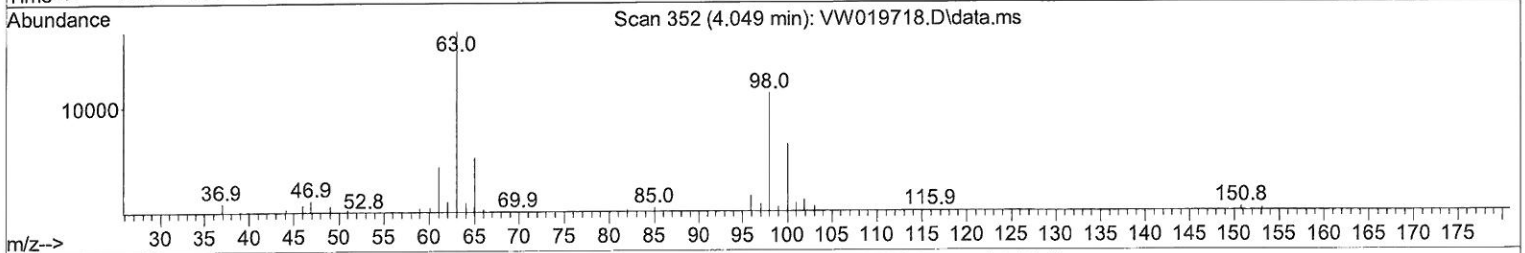
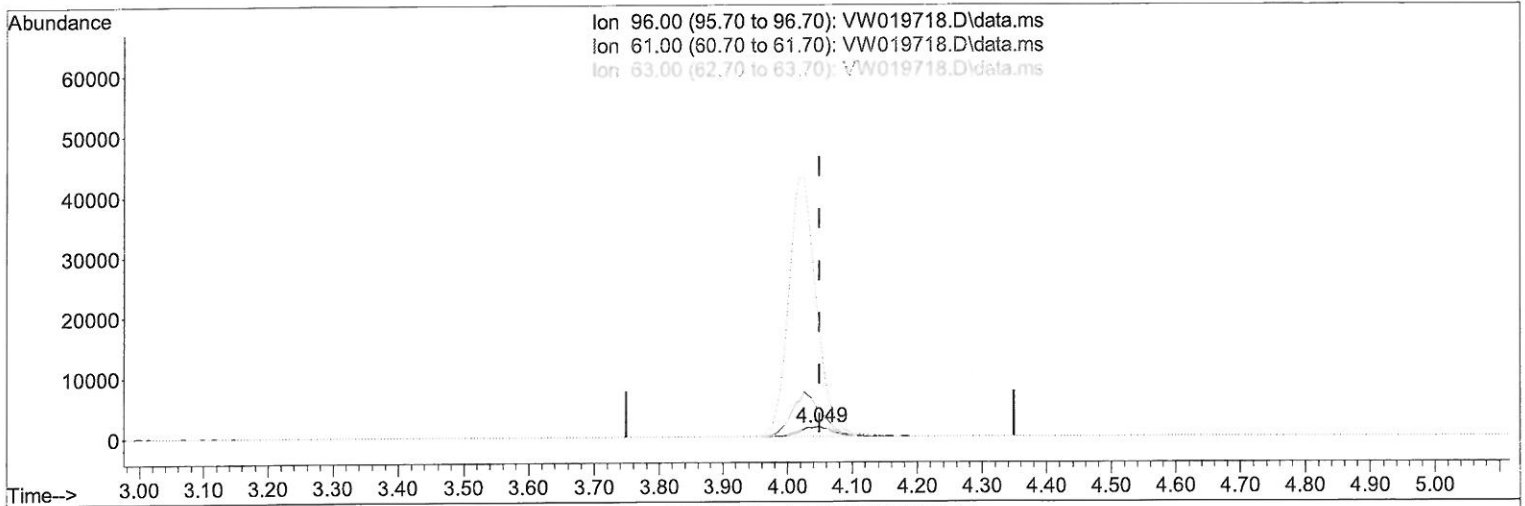
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Instrument :
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TIC: VW019718.D\data.ms

(12) 1,1-Dichloroethene (T)

4.049min (-0.000) 1.51 ug/L m

response 5313

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	168.70	282.22#
63.00	119.60	1111.31#
0.00	0.00	0.00

7 mg
8/19/21

Quantitation Report (Qedit)

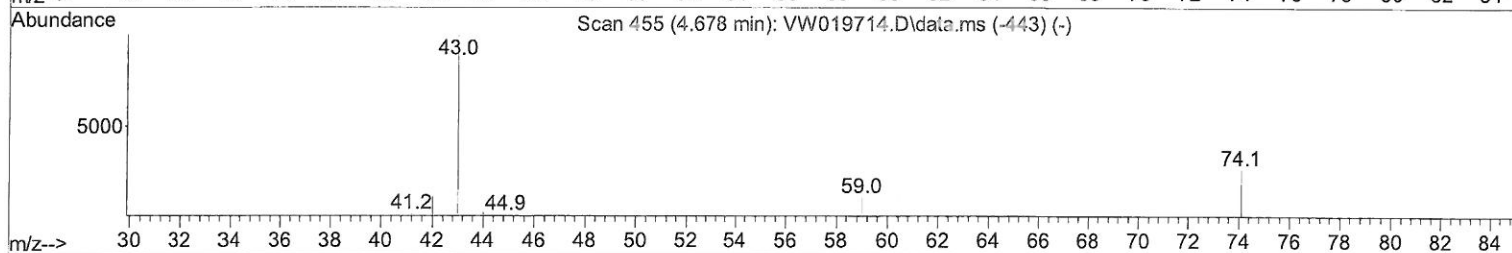
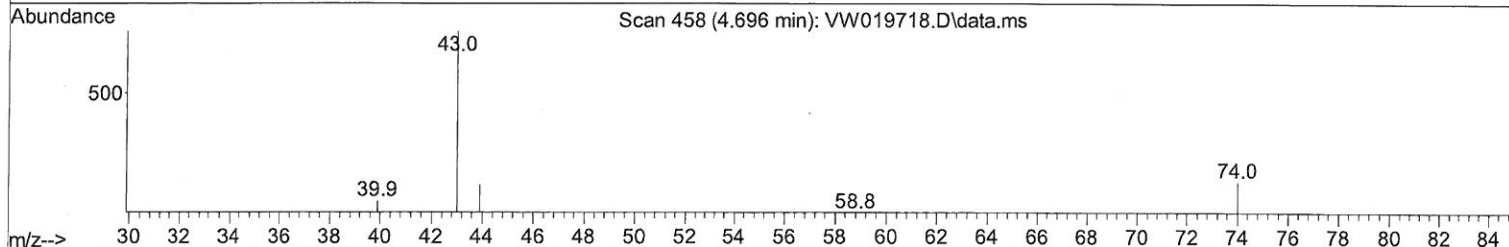
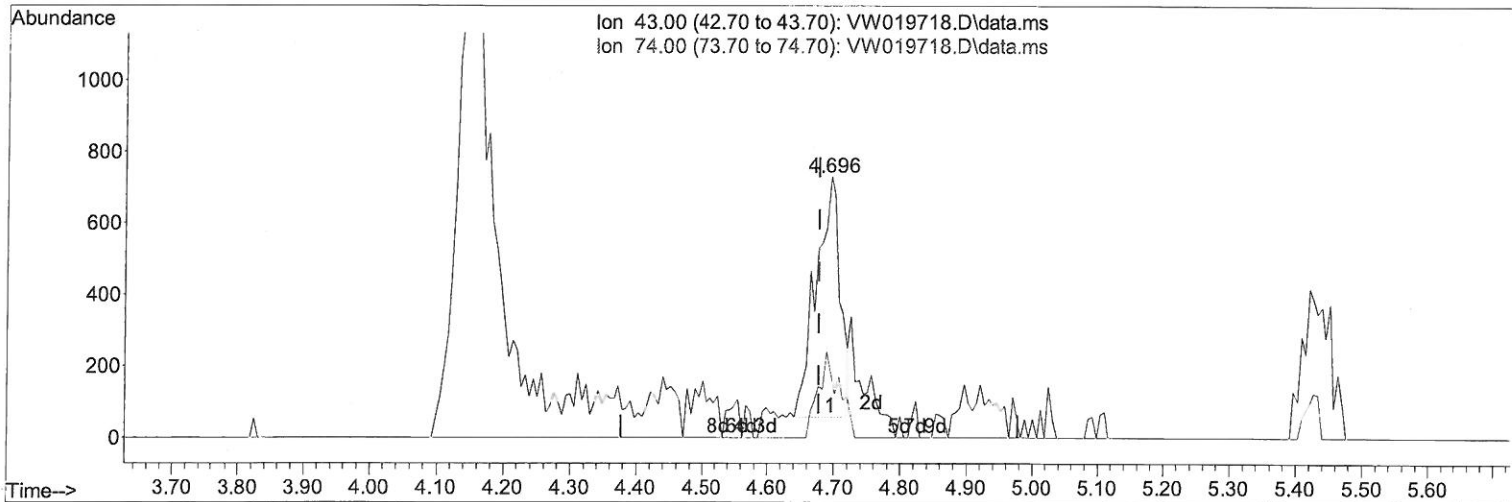
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 Data File : VW019718.D
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Instrument :
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ClientSampleId :
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Manual Integrations
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TIC: VW019718.D\data.ms

(15) Methyl Acetate (T)

4.696min (+ 0.018) 0.98 ug/L

response 1685

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	25.00	21.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

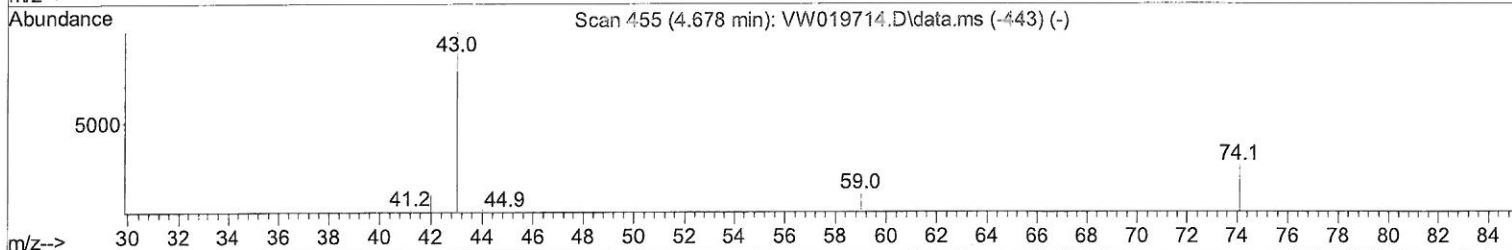
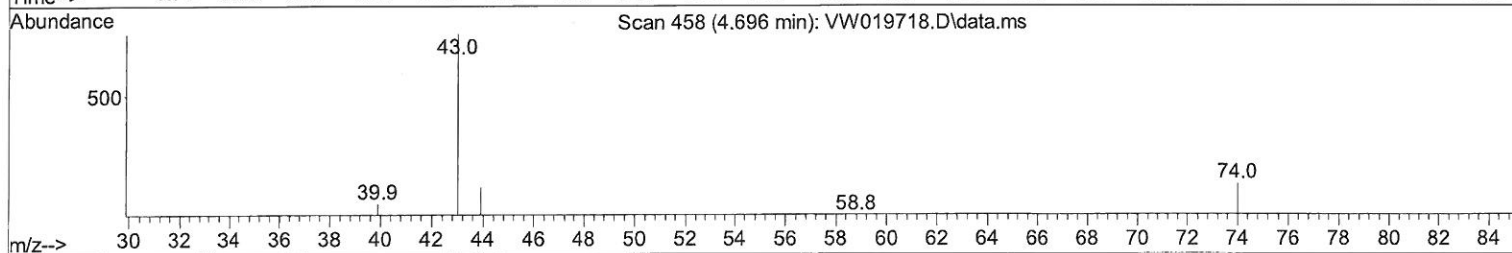
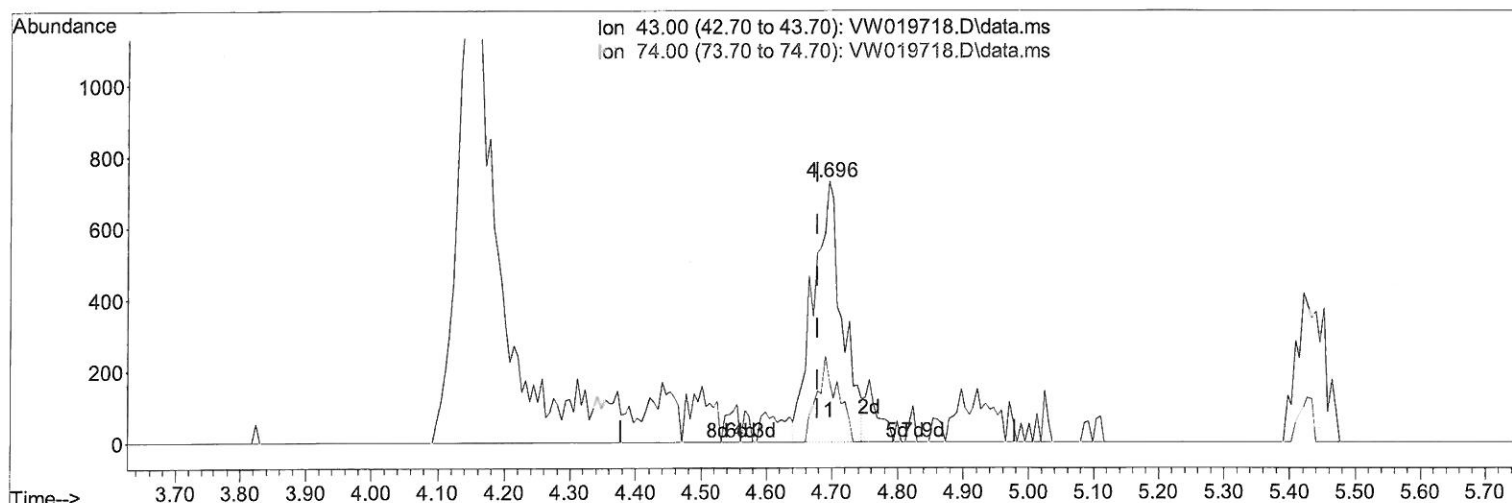
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Instrument :
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ClientSampleId :
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Manual Integrations
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MMDadoda
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Quant Title : SFAM01.0
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TIC: VW019718.D\data.ms

(15) Methyl Acetate (T)

4.696min (+ 0.018) 1.30 ug/L m

response 2235

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	25.00	16.15#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

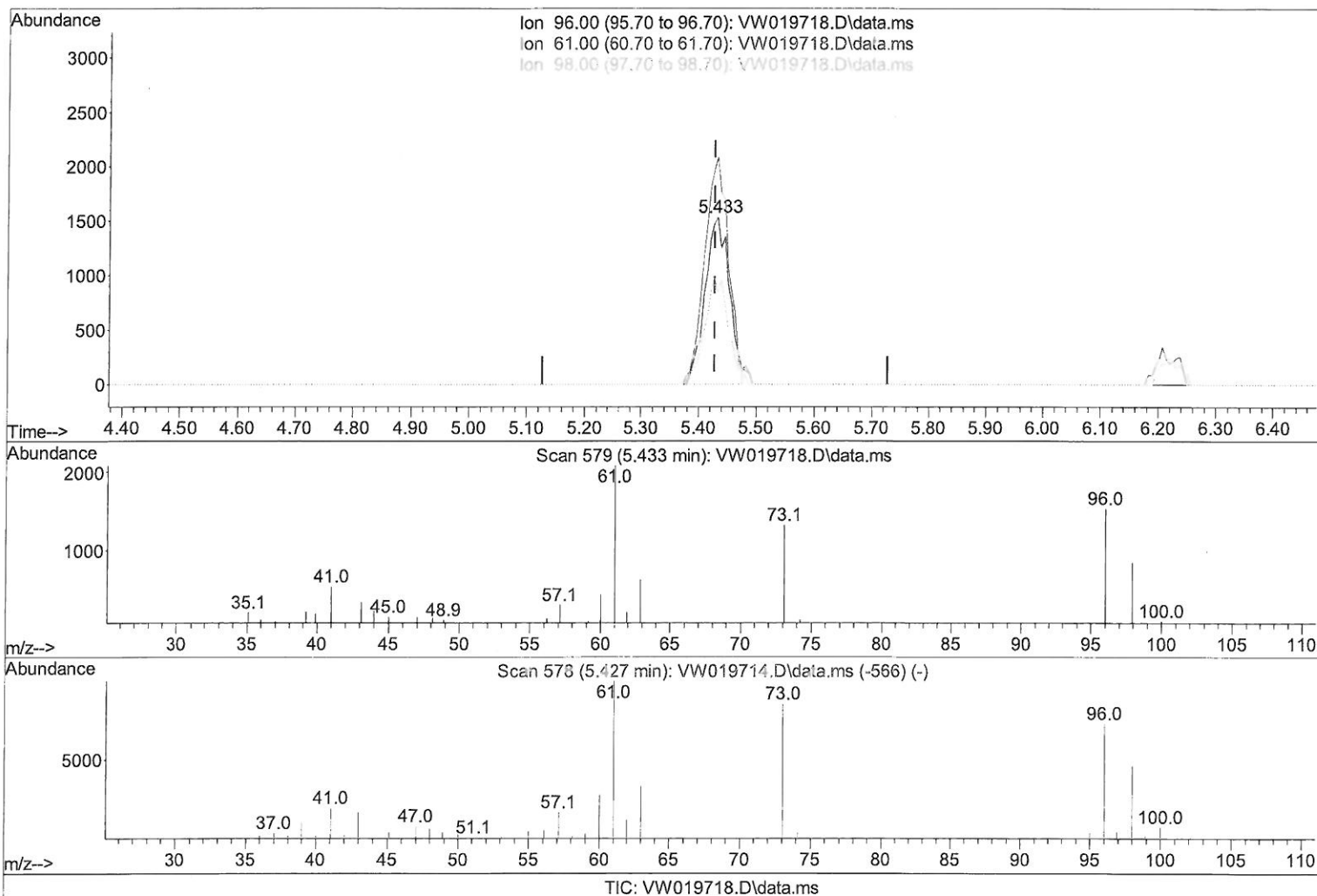
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(17) trans-1,2-Dichloroethene (T)

5.433min (+ 0.006) 1.17 ug/L

response 4520

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	140.50	135.68
98.00	65.90	55.60
0.00	0.00	0.00

Quantitation Report (Qedit)

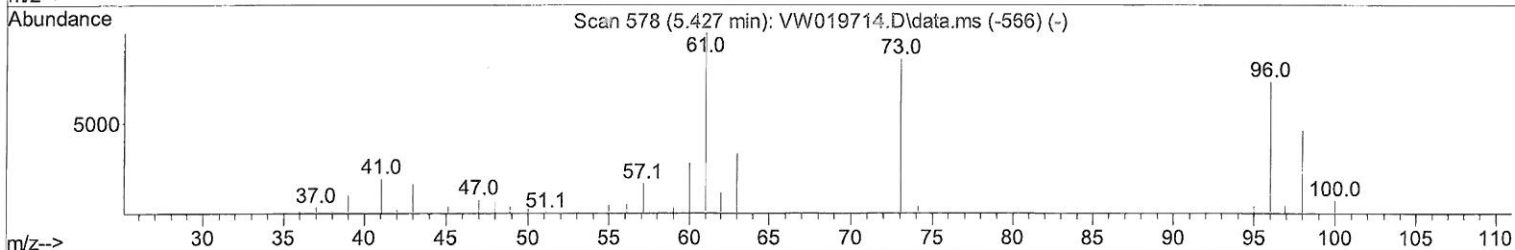
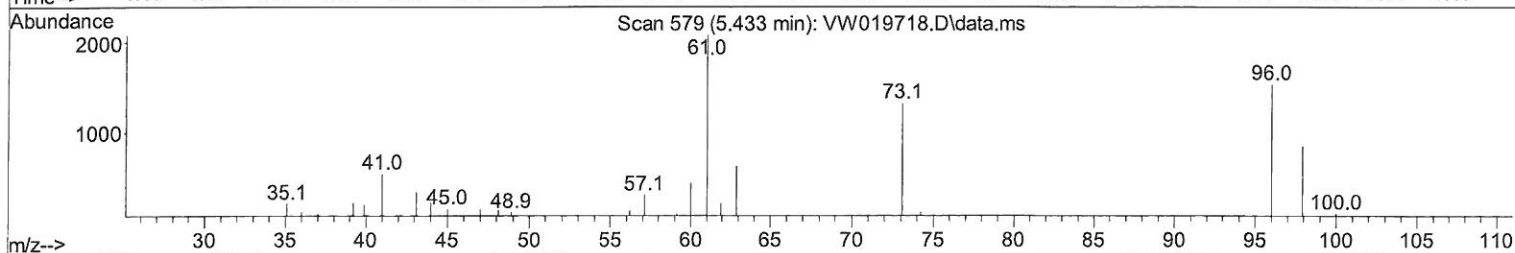
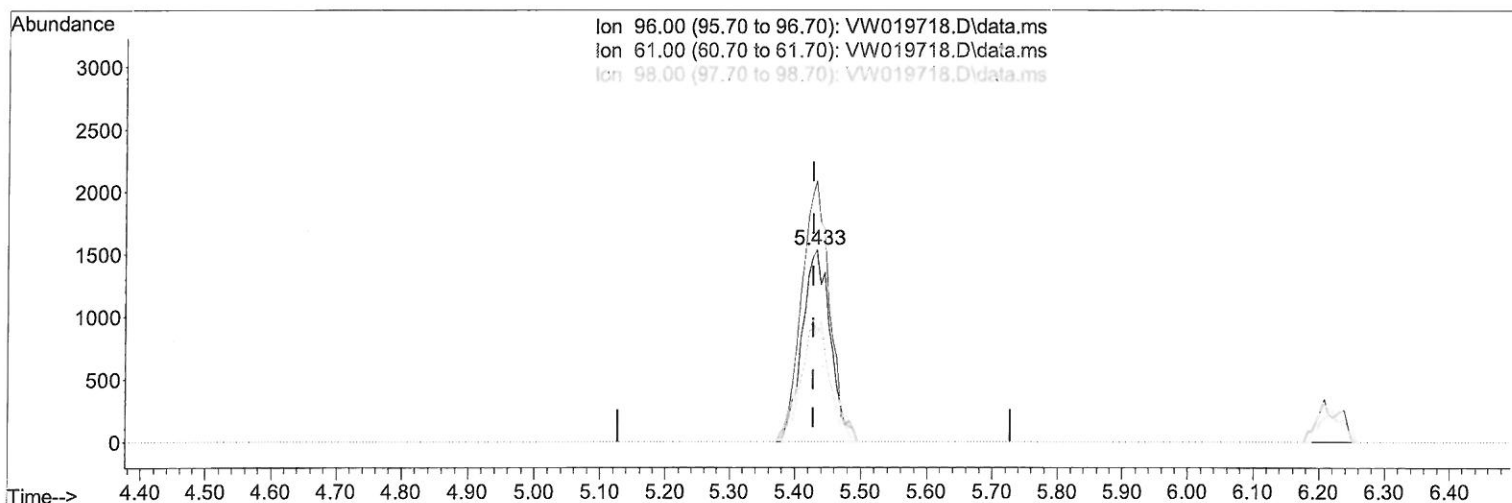
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TIC: VW019718.D\data.ms

(17) trans-1,2-Dichloroethene (T)

5.433min (+ 0.006) 1.20 ug/L m

response 4619

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	140.50	135.68
98.00	65.90	55.60
0.00	0.00	0.00

2MD
5/19/21

Quantitation Report (Qedit)

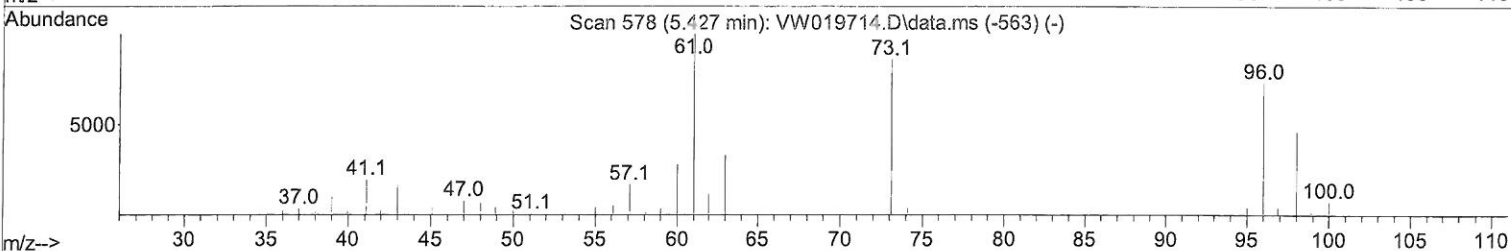
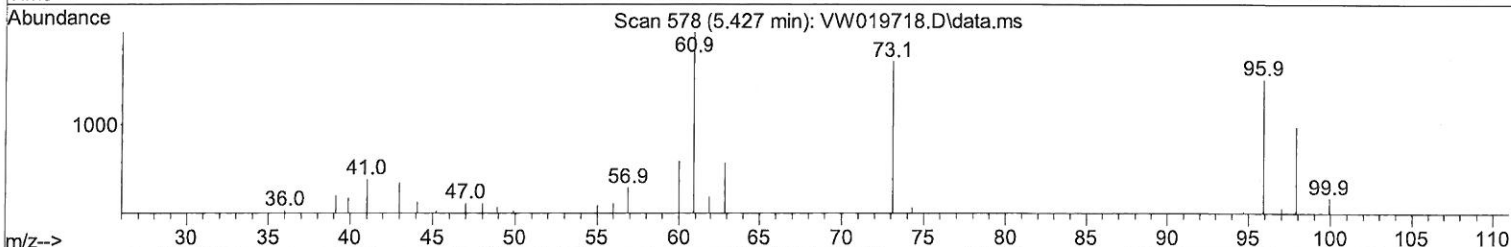
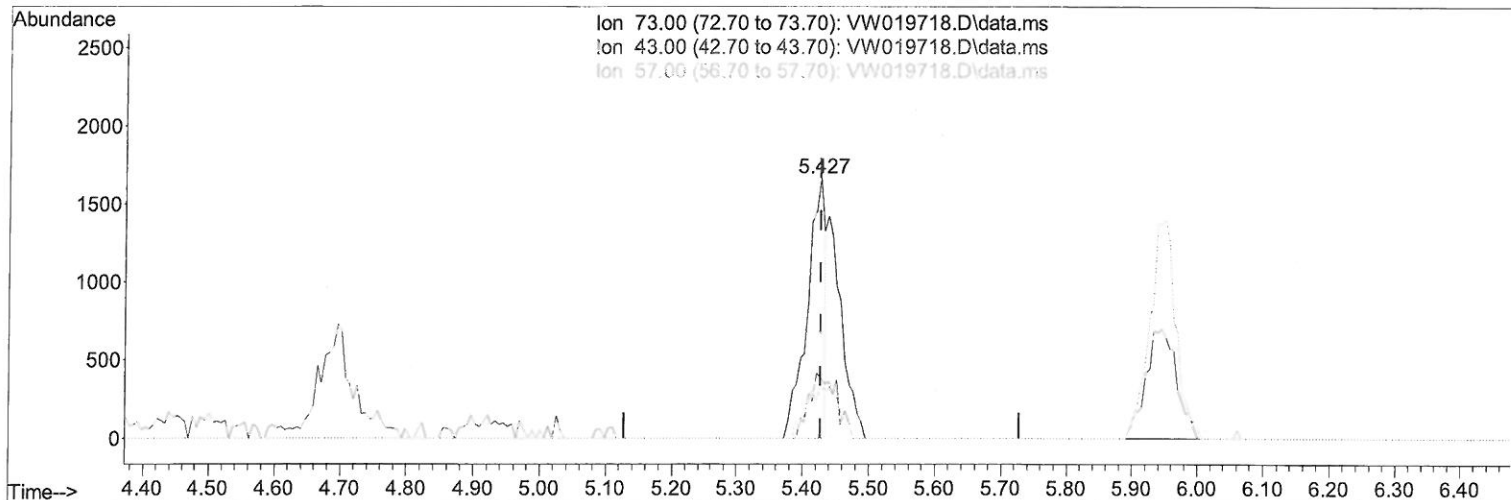
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TIC: VW019718.D\data.ms

(18) Methyl tert-butyl Ether (T)

5.427min (-0.000) 0.56 ug/L

response 3122

Ion	Exp%	Act%
73.00	100.00	100.00
43.00	22.10	29.76#
57.00	21.20	11.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

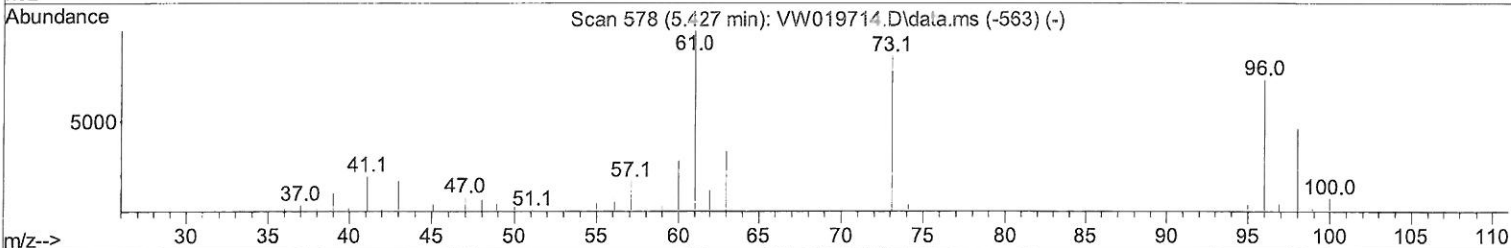
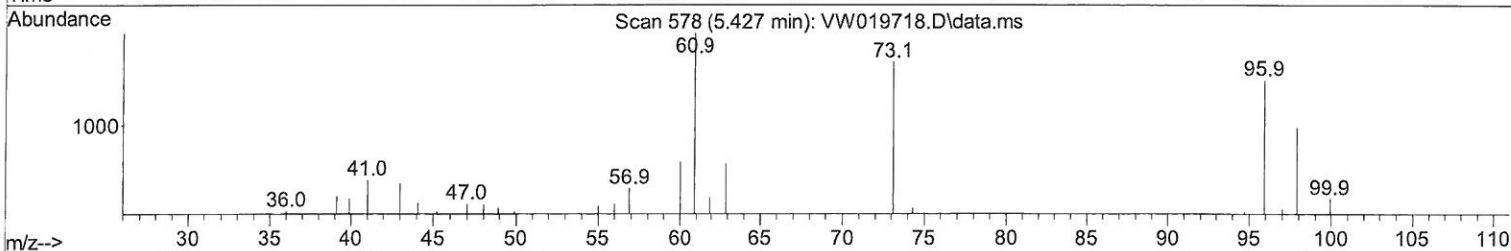
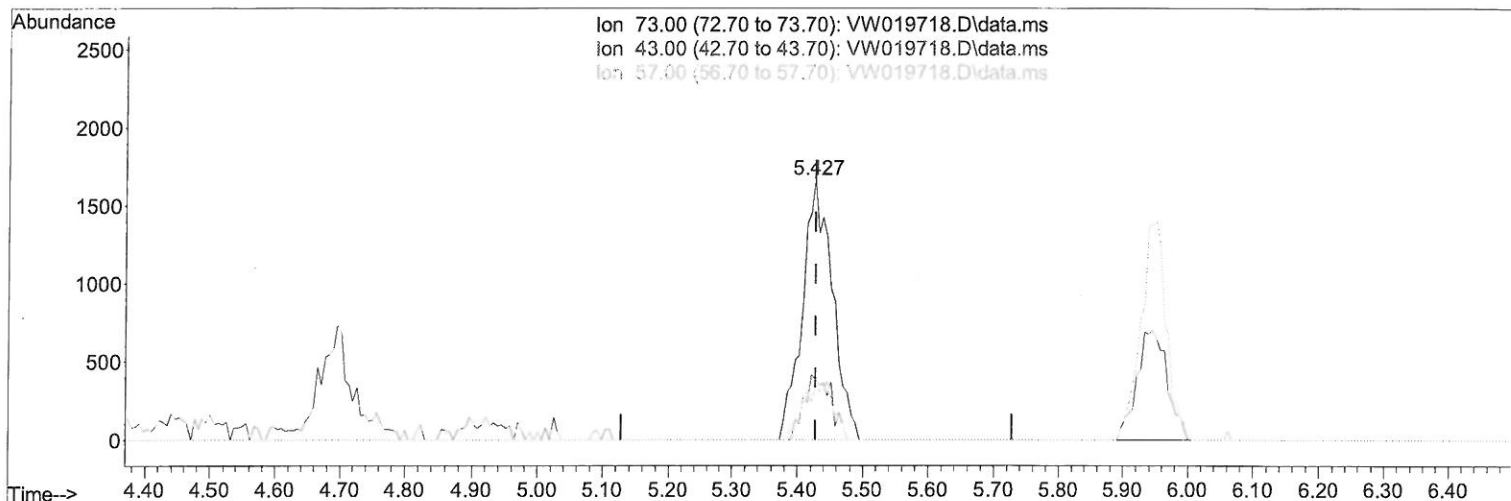
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Manual Integrations
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TIC: VW019718.D\data.ms

(18) Methyl tert-butyl Ether (T)

5.427min (-0.000) 0.95 ug/L m

response 5305

Ion	Exp%	Act%
73.00	100.00	100.00
43.00	22.10	17.51#
57.00	21.20	6.58#
0.00	0.00	0.00

2MB
 8/19/21

Quantitation Report (Qedit)

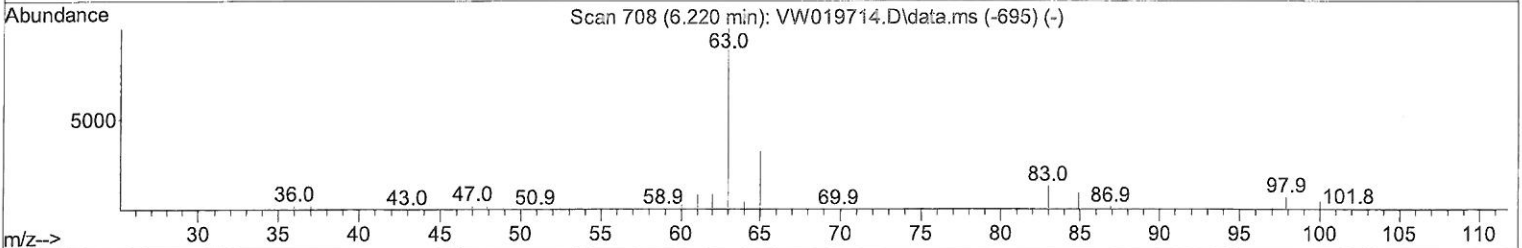
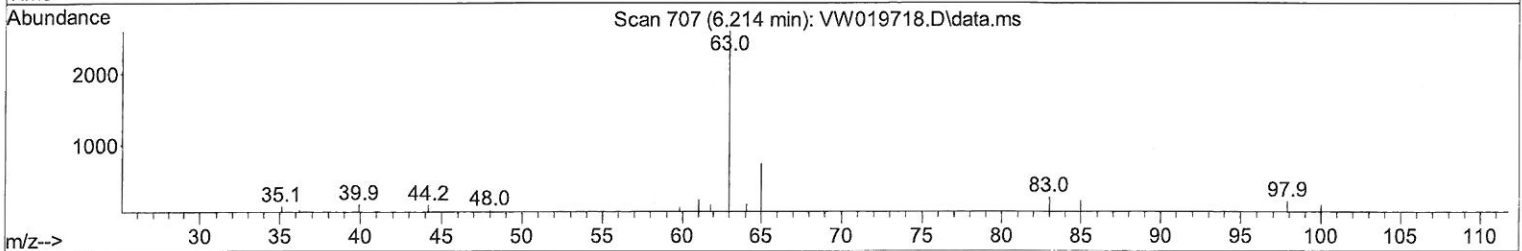
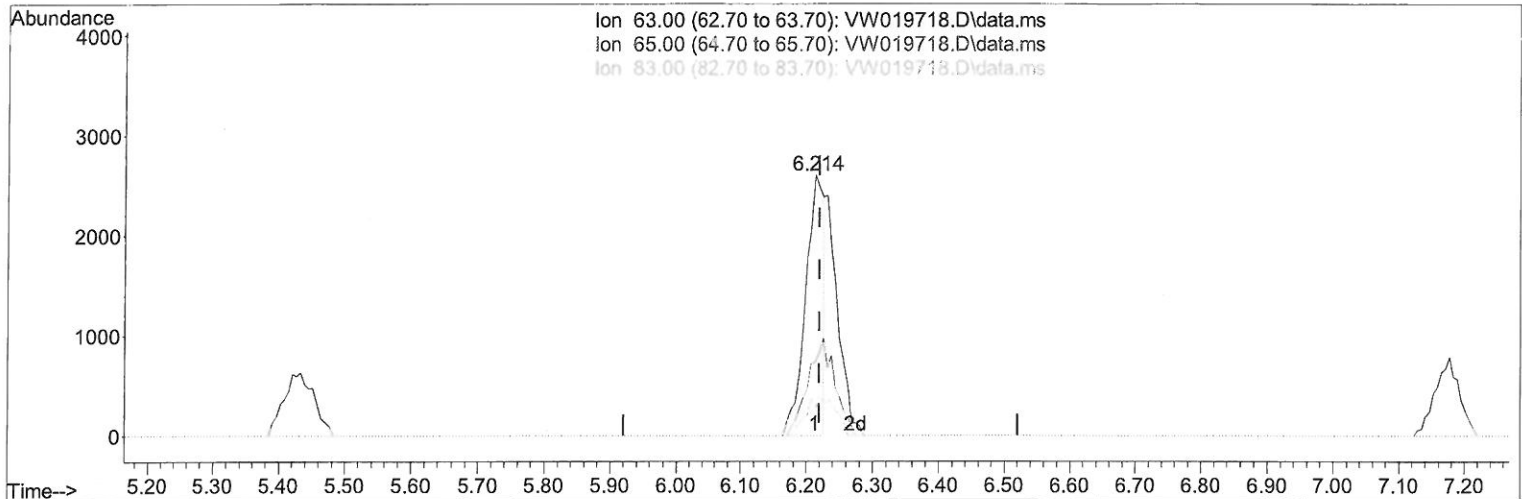
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Instrument :
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 ClientSampleId :
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Manual Integrations
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 Response via : Initial Calibration



TIC: VW019718.D\data.ms

(19) 1,1-Dichloroethane (T)

6.214min (-0.006) 0.62 ug/L

response 5038

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	32.70	28.28
83.00	14.60	10.25
0.00	0.00	0.00

Quantitation Report (Qedit)

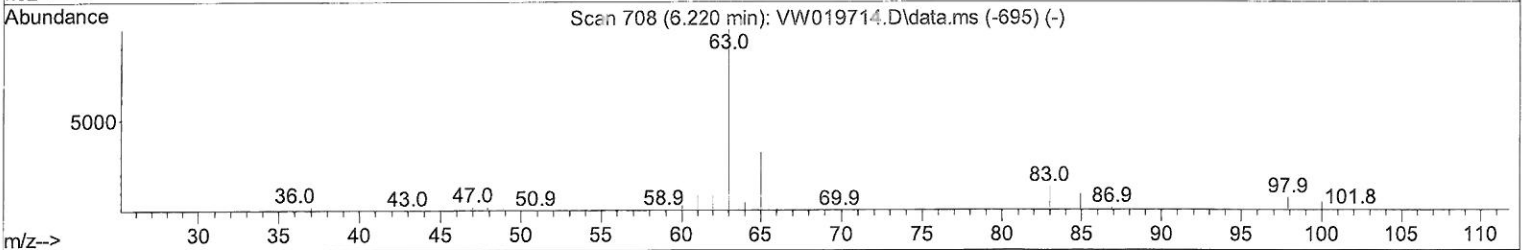
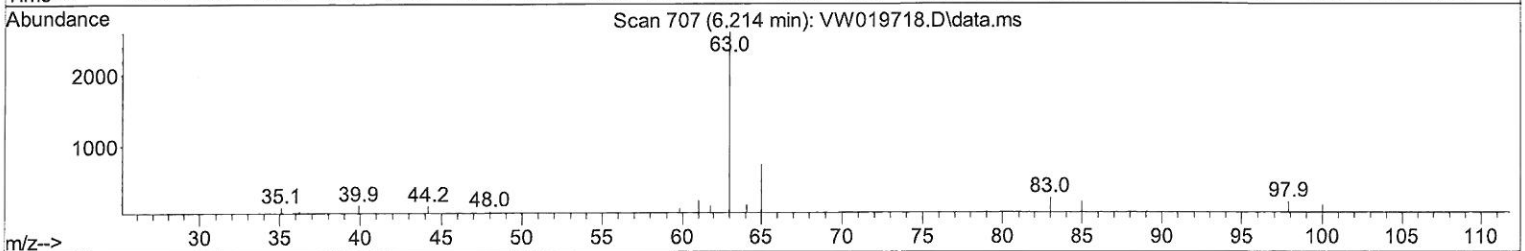
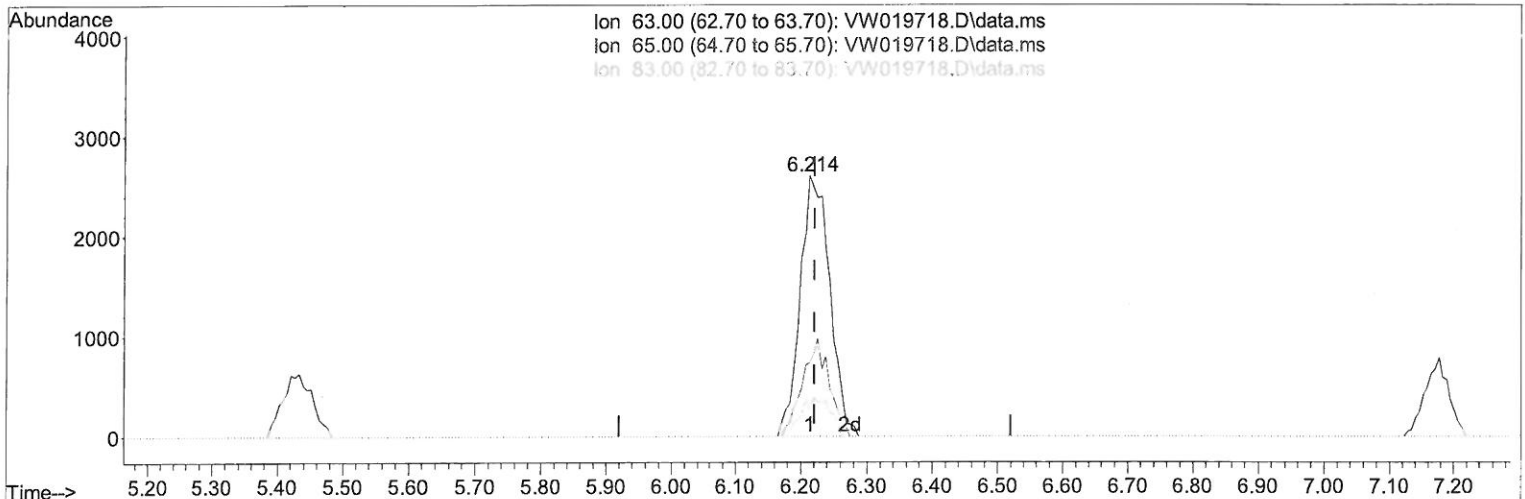
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081221\
 Data File : VW019718.D
 Acq On : 12 Aug 2021 10:34
 Operator : SY/VA
 Sample : M3263-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
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MMDadoda
 8/13/2021 3:48:52 PM

Quant Time: Aug 13 03:08:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 13 02:01:28 2021
 Response via : Initial Calibration



TIC: VW019718.D\data.ms

(19) 1,1-Dichloroethane (T)

6.214min (-0.006) 1.00 ug/L m

response 8087

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	32.70	28.28
83.00	14.60	10.25
0.00	0.00	0.00

Handwritten: 5 mg / 8/19/21

Quantitation Report (Qedit)

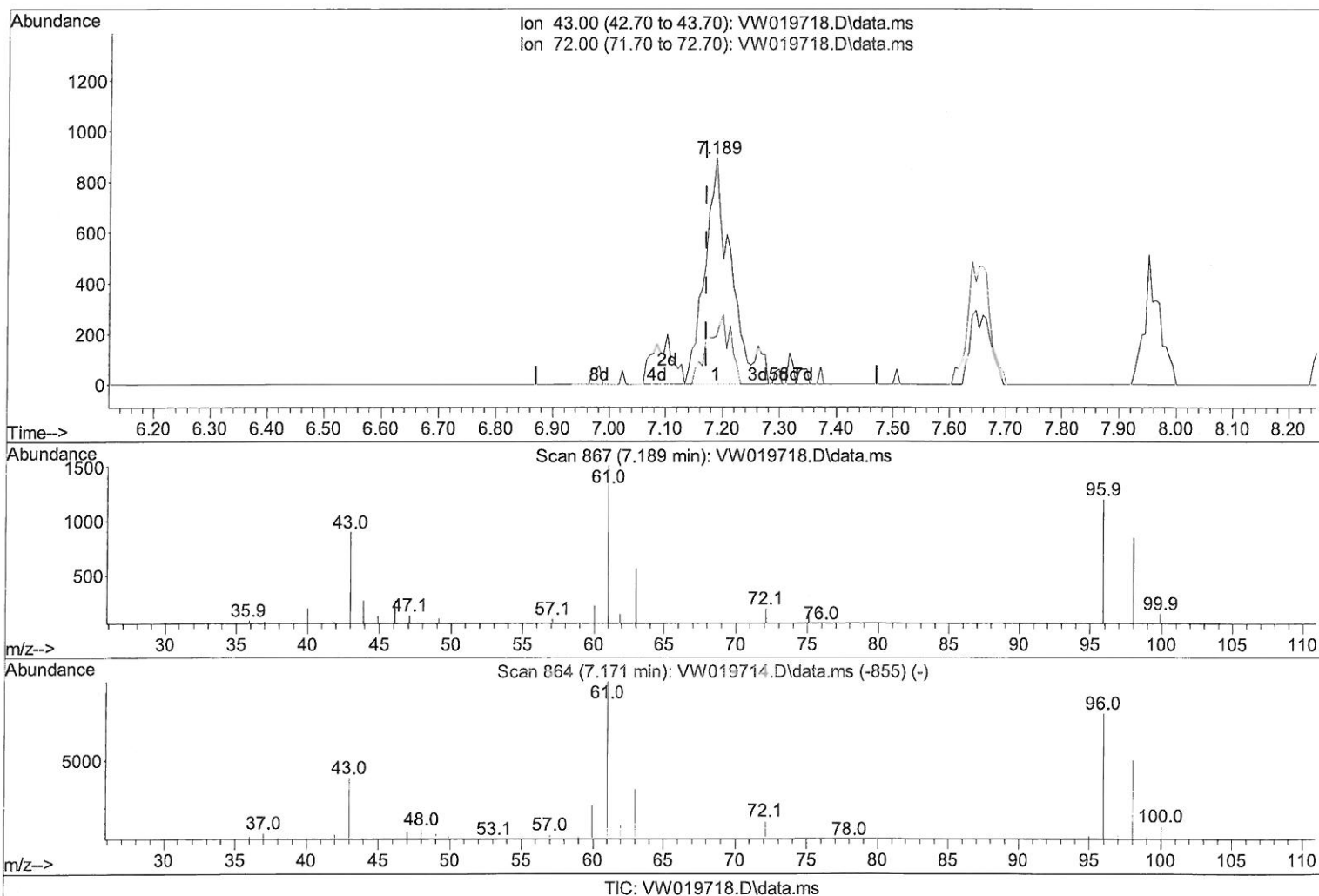
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081221\
 Data File : VW019718.D
 Acq On : 12 Aug 2021 10:34
 Operator : SY/VA
 Sample : M3263-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
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MMDadoda
 8/13/2021 3:48:52 PM

Quant Time: Aug 13 03:08:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 13 02:01:28 2021
 Response via : Initial Calibration



(22) 2-Butanone (T)

7.189min (+ 0.018) 2.19 ug/L m

response 2699

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	29.80	5.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

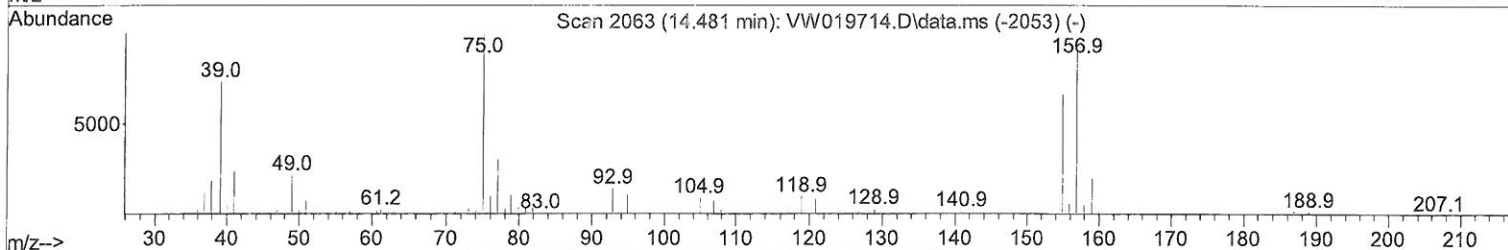
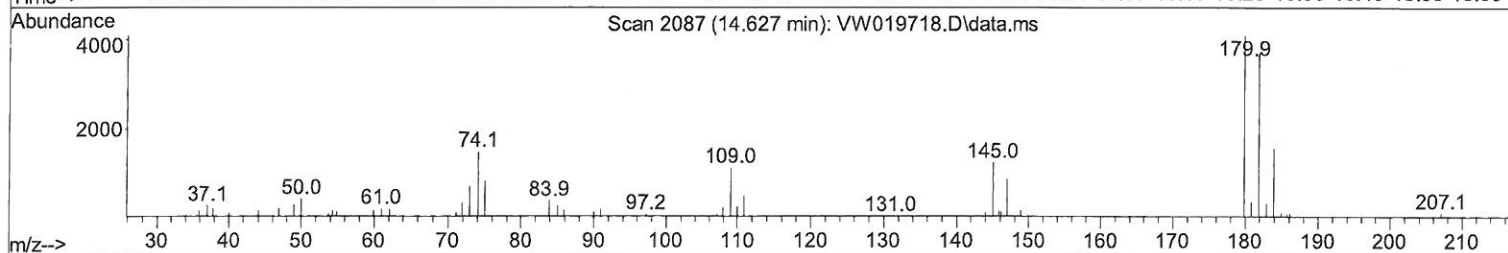
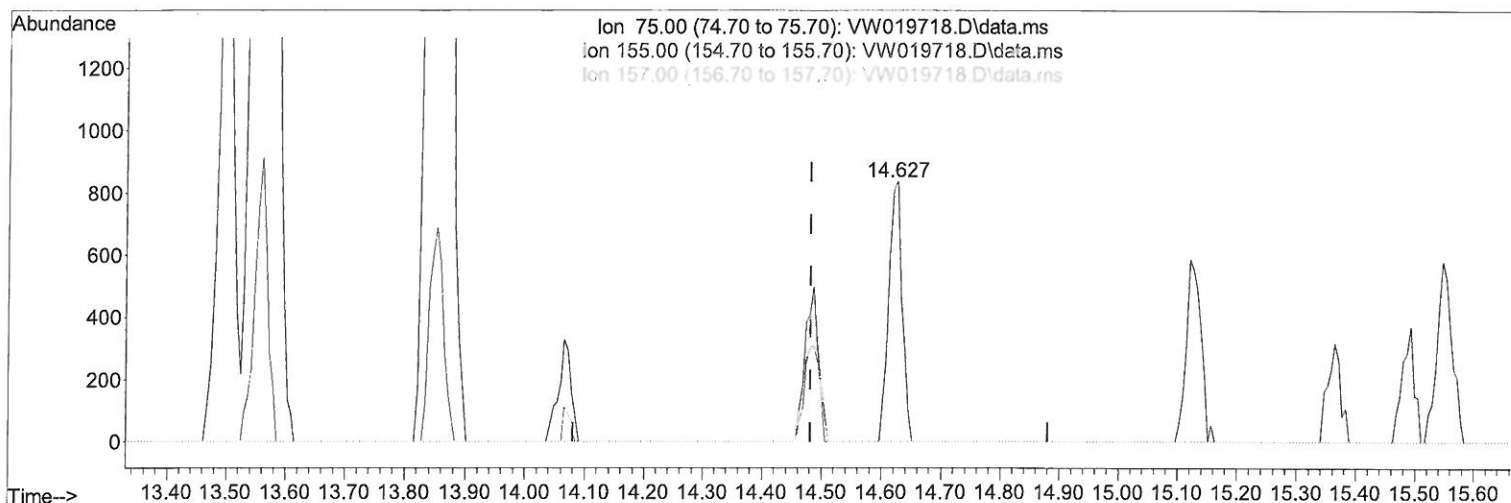
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081221\
 Data File : VW019718.D
 Acq On : 12 Aug 2021 10:34
 Operator : SY/VA
 Sample : M3263-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
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MMDadoda
 8/13/2021 3:48:52 PM

Quant Time: Aug 13 03:08:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 13 02:01:28 2021
 Response via : Initial Calibration



TIC: VW019718.D\data.ms

(68) 1,2-Dibromo-3-chloropropane (T)

14.627min (+ 0.146) 2.17 ug/L

response 1284

Ion	Exp%	Act%
75.00	100.00	100.00
155.00	74.20	0.00#
157.00	90.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

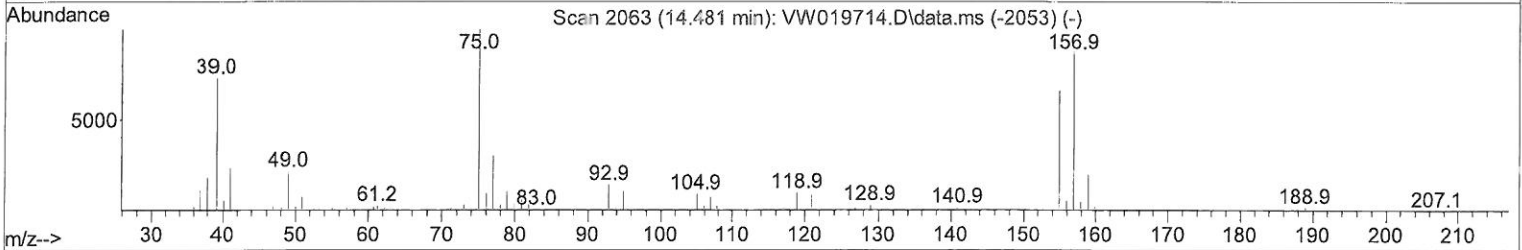
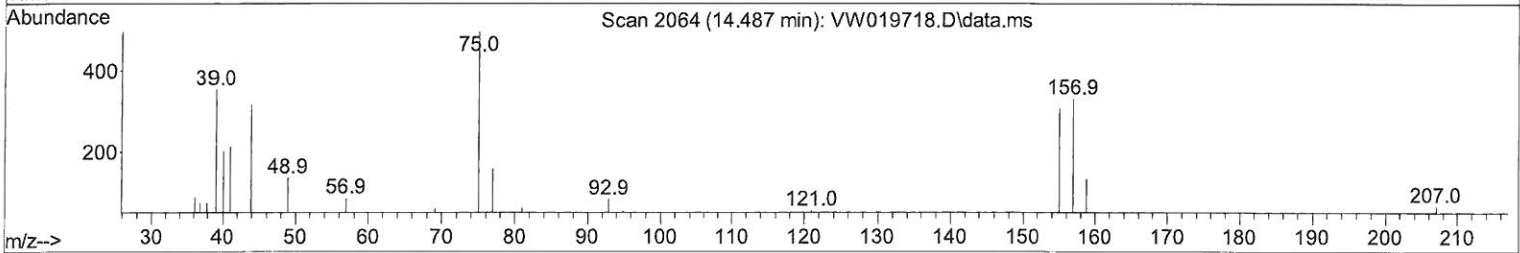
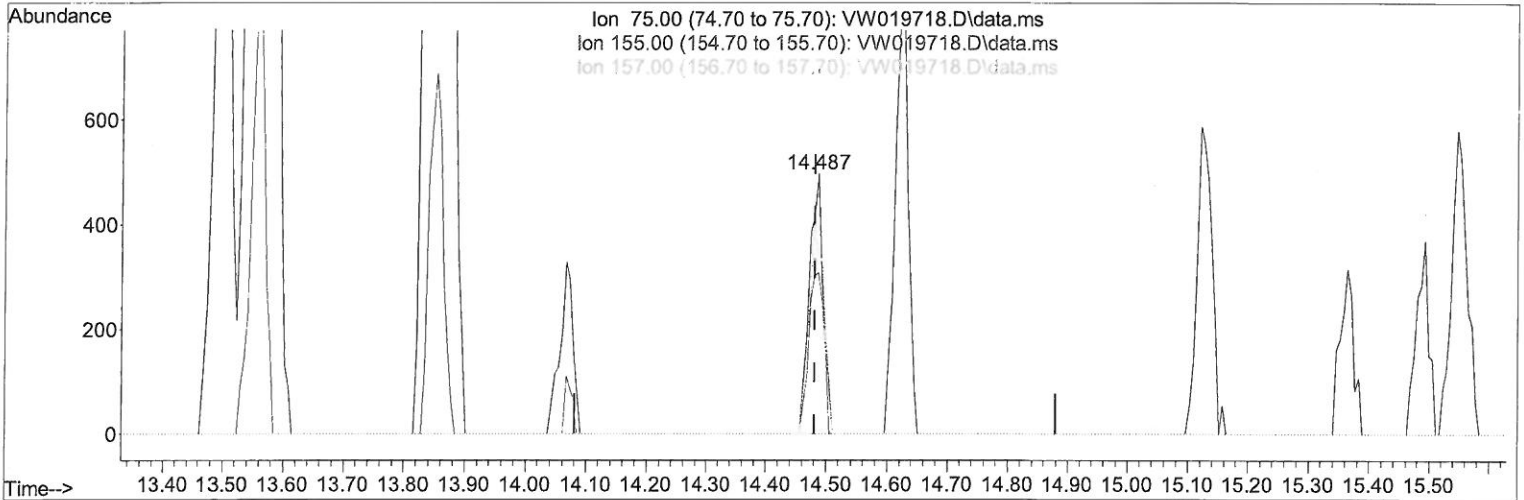
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081221\
 Data File : VW019718.D
 Acq On : 12 Aug 2021 10:34
 Operator : SY/VA
 Sample : M3263-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
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MMDadoda
 8/13/2021 3:48:52 PM

Quant Time: Aug 13 03:08:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 13 02:01:28 2021
 Response via : Initial Calibration



TIC: VW019718.D\data.ms

(68) 1,2-Dibromo-3-chloropropane (T)

14.487min (+ 0.006) 1.33 ug/L m

response 786

Ion	Exp%	Act%
75.00	100.00	100.00
155.00	74.20	61.97
157.00	90.20	66.60#
0.00	0.00	0.00

7128
 8/19/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081221\
 Data File : VW019718.D
 Acq On : 12 Aug 2021 10:34
 Operator : SY/VA
 Sample : M3263-03
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Aug 13 03:08:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 13 02:01:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.847	114	293831	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.633	117	274147	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	133829	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	85116	24.807	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.240%		
7) Chloroethane-d5	2.897	69	104100	30.695	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	122.800%		
11) 1,1-Dichloroethene-d2	4.019	63	128204	18.159	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	72.640%		
21) 2-Butanone-d5	7.092	46	54716	48.829	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	97.660%		
24) Chloroform-d	7.652	84	195971	22.061	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	88.240%		
26) 1,2-Dichloroethane-d4	8.305	65	113566	21.961	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	87.840%		
32) Benzene-d6	8.274	84	379031	20.882	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	83.520%		
36) 1,2-Dichloropropane-d6	9.274	67	119328	21.852	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	87.400%		
41) Toluene-d8	10.323	98	339446	20.501	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	82.000%		
43) trans-1,3-Dichloroprop...	10.579	79	48601	21.556	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	86.240%		
47) 2-Hexanone-d5	10.926	63	44019	45.950	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.900%		
56) 1,1,2,2-Tetrachloroeth...	12.694	84	104394	22.032	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	88.120%		
66) 1,2-Dichlorobenzene-d4	13.852	152	119805	24.272	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	97.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.013	85	3786m	1.177	ug/L	
3) Chloromethane	2.220	50	5776	1.775	ug/L	95
5) Vinyl chloride	2.367	62	5914	1.349	ug/L #	39
6) Bromomethane	2.787	94	4682	1.363	ug/L	92
8) Chloroethane	2.928	64	4991	1.693	ug/L	100
9) Trichlorofluoromethane	3.263	101	4409	1.624	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	5962m	1.648	ug/L	
12) 1,1-Dichloroethene	4.049	96	5313m	1.509	ug/L	
13) Acetone	4.153	43	4763	5.171	ug/L	98
14) Carbon disulfide	4.391	76	11815	1.179	ug/L	97
15) Methyl Acetate	4.696	43	2235m	1.297	ug/L	
16) Methylene chloride	4.927	84	37614	7.660	ug/L	97
17) trans-1,2-Dichloroethene	5.433	96	4619m	1.200	ug/L	
18) Methyl tert-butyl Ether	5.427	73	5305m	0.949	ug/L	
19) 1,1-Dichloroethane	6.214	63	8087m	1.000	ug/L	
20) cis-1,2-Dichloroethene	7.183	96	4641	1.064	ug/L	83
22) 2-Butanone	7.189	43	2699m	2.191	ug/L	
23) Bromochloromethane	7.518	128	2211	1.096	ug/L	96

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 8/19/21

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Manual Integrations
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Quant Time: Aug 13 03:08:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 13 02:01:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.683	83	9771	1.179	ug/L	98
27) 1,2-Dichloroethane	8.402	62	6046	1.045	ug/L #	93
29) Cyclohexane	7.957	56	6440	0.948	ug/L #	23
30) 1,1,1-Trichloroethane	7.872	97	7080	1.009	ug/L	99
31) Carbon tetrachloride	8.067	117	6368	0.983	ug/L	98
33) Benzene	8.323	78	19587	1.031	ug/L	100
34) Trichloroethene	9.091	95	4856	1.031	ug/L	91
35) Methylcyclohexane	9.335	83	7853	1.007	ug/L	98
37) 1,2-Dichloropropane	9.372	63	4704	0.991	ug/L	99
38) Bromodichloromethane	9.646	83	6129	1.019	ug/L	94
39) cis-1,3-Dichloropropene	10.073	75	7136	0.985	ug/L	98
40) 4-Methyl-2-pentanone	10.213	43	4989	1.710	ug/L	99
42) Toluene	10.390	91	25257	1.266	ug/L	98
44) trans-1,3-Dichloropropene	10.609	75	8447	1.332	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	3750	1.068	ug/L	94
46) Tetrachloroethene	10.859	164	3886	1.097	ug/L	94
48) 2-Hexanone	10.969	43	4005	1.995	ug/L #	91
49) Dibromochloromethane	11.133	129	3781	0.972	ug/L	100
50) 1,2-Dibromoethane	11.237	107	3389	1.014	ug/L	95
51) Chlorobenzene	11.658	112	12753	1.046	ug/L	96
52) Ethylbenzene	11.731	91	20513	0.981	ug/L	98
53) m,p-Xylene	11.835	106	7810	0.981	ug/L	98
54) o-Xylene	12.164	106	6549	0.853	ug/L	83
55) Styrene	12.182	104	10273	0.779	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.712	83	5118	1.145	ug/L #	95
59) Bromoform	12.347	173	2118	1.041	ug/L	97
60) Isopropylbenzene	12.463	105	17380	0.950	ug/L	99
61) 1,2,3-Trichloropropane	12.773	75	3522	1.164	ug/L	95
62) 1,3,5-Trimethylbenzene	12.944	105	13997	0.918	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	14089	0.886	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	9421	1.063	ug/L	97
65) 1,4-Dichlorobenzene	13.578	146	10410	1.165	ug/L	96
67) 1,2-Dichlorobenzene	13.871	146	9174	1.179	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.487	75	786m	1.331	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	6721	1.187	ug/L	99
70) 1,2,4-trichlorobenzene	15.133	180	5797	1.216	ug/L	100
71) Naphthalene	15.364	128	9645	1.041	ug/L	99
72) 1,2,3-Trichlorobenzene	15.547	180	5001	1.186	ug/L	98

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

MO
 8/19/21