

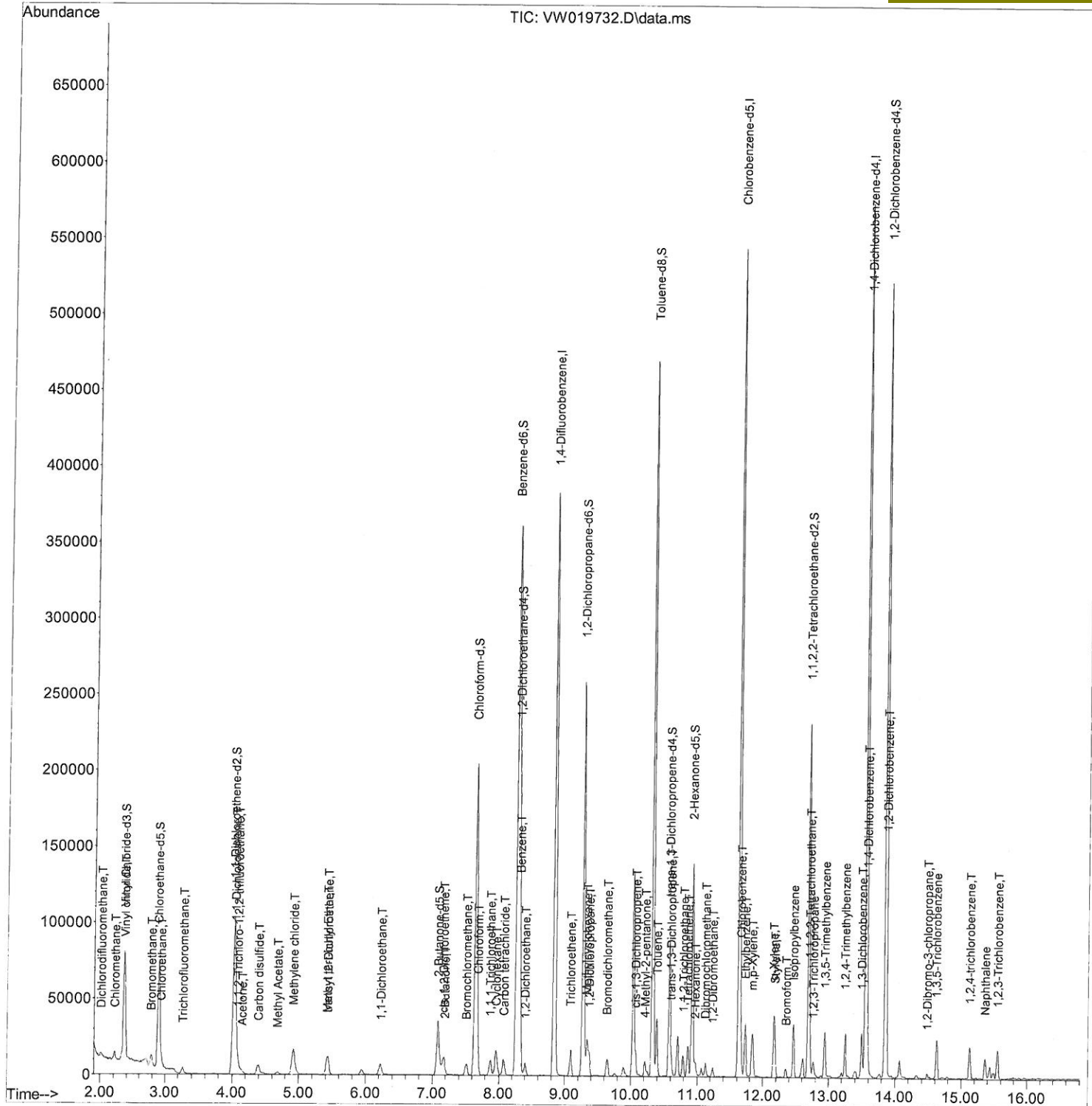
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
Data File : VW019732.D
Acq On : 13 Aug 2021 12:20
Operator : SY/VA
Sample : M3263-04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample ID :
MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Aug 14 01:17:15 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
8/19/2021 4:25:48 PM



Quantitation Report (Qedit)

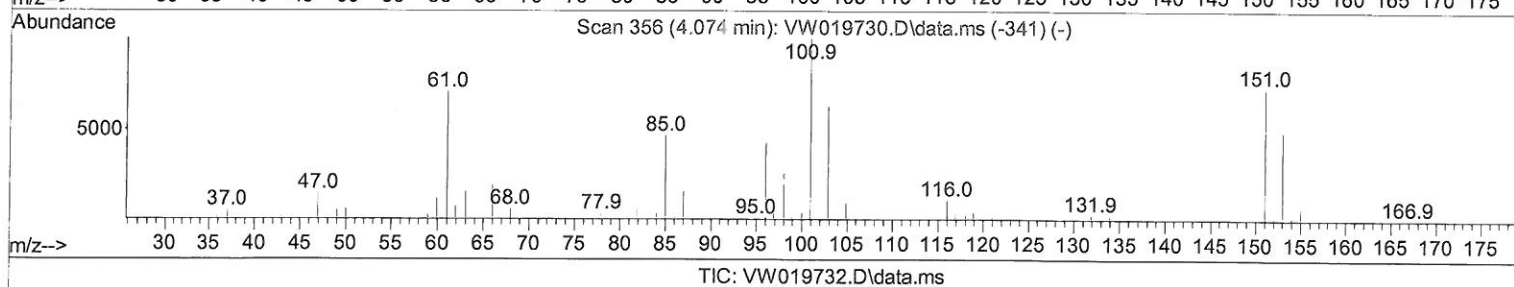
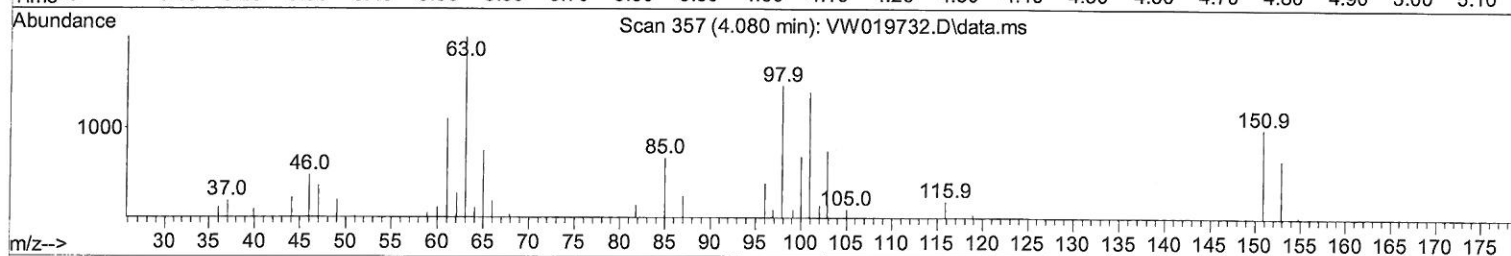
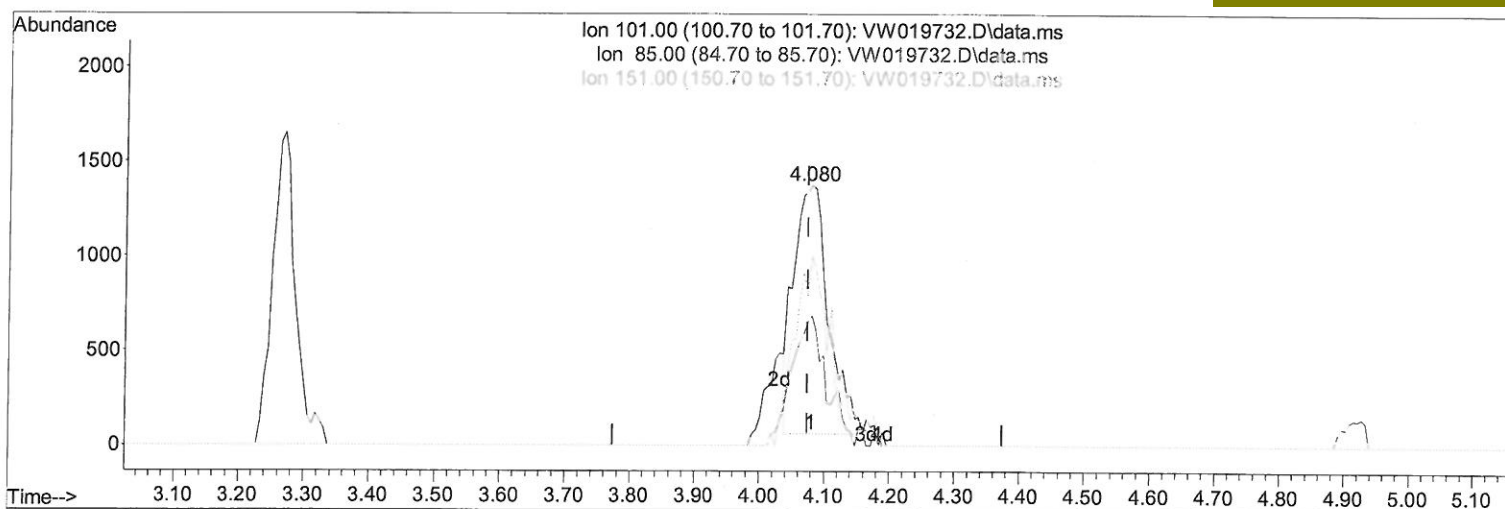
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
Data File : VW019732.D
Acq On : 13 Aug 2021 12:20
Operator : SY/VA
Sample : M3263-04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Aug 14 01:17:15 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
8/19/2021 4:25:48 PM



TIC: VW019732.D\data.ms

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

4.080min (+ 0.006) 1.26 ug/L

response 4920

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	47.70	45.47
151.00	70.80	29.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

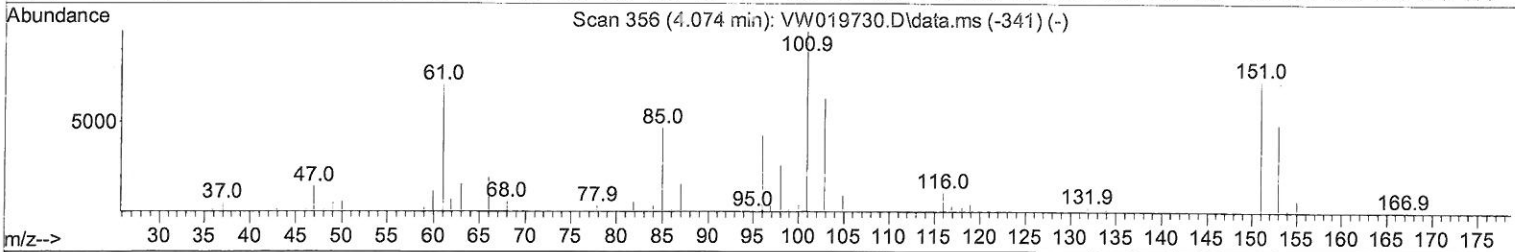
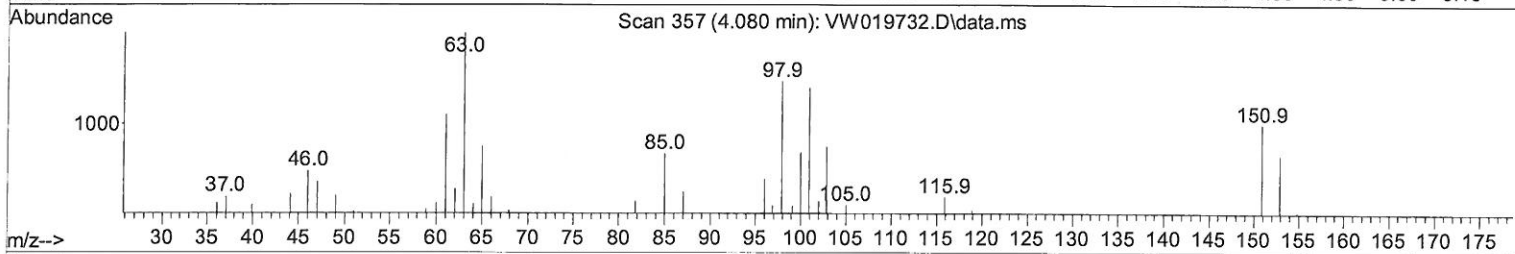
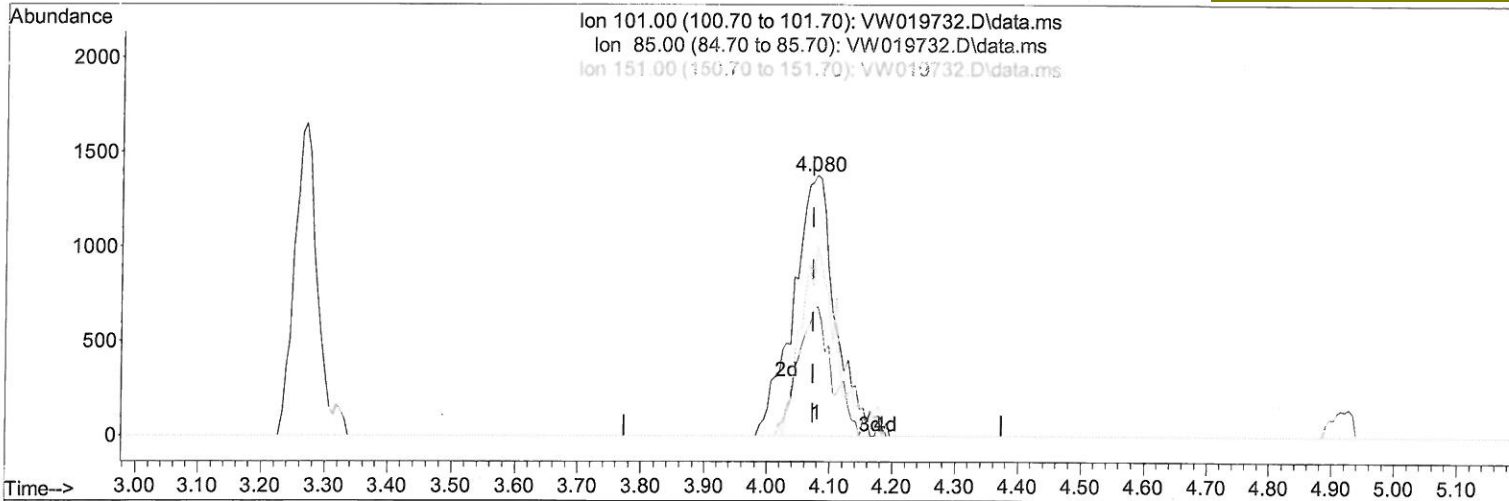
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 4:25:48 PM



TIC: VW019732.D\data.ms

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

4.080min (+ 0.006) 1.65 ug/L m

response 6447

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	47.70	34.70#
151.00	70.80	22.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

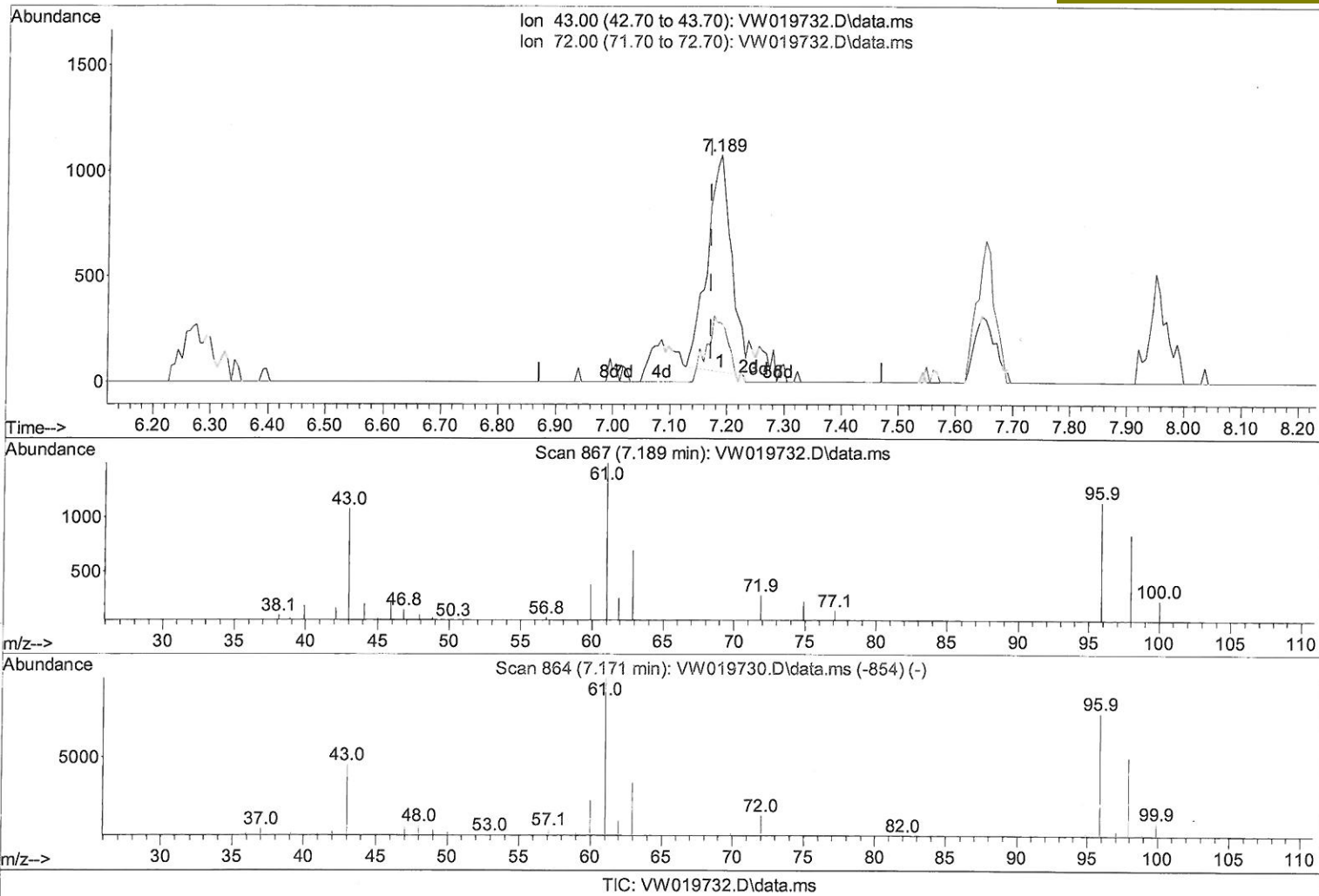
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 4:25:48 PM



(22) 2-Butanone (T)

7.189min (+ 0.018) 2.26 ug/L

response 3020

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	29.80	26.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

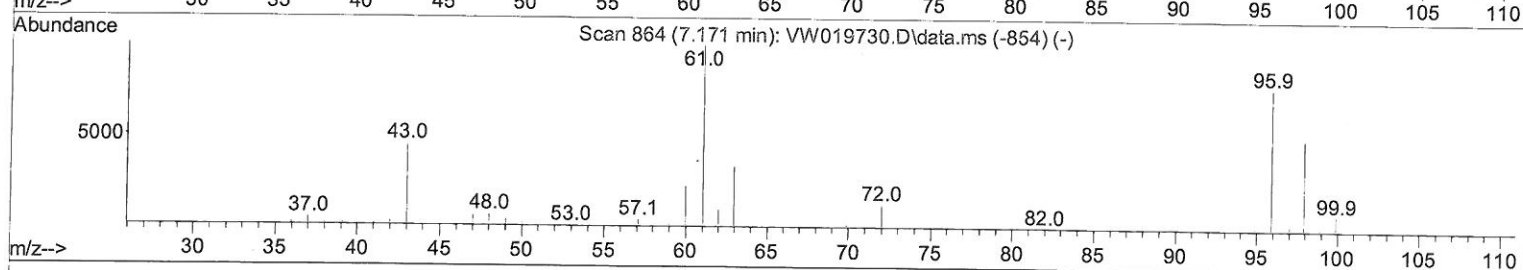
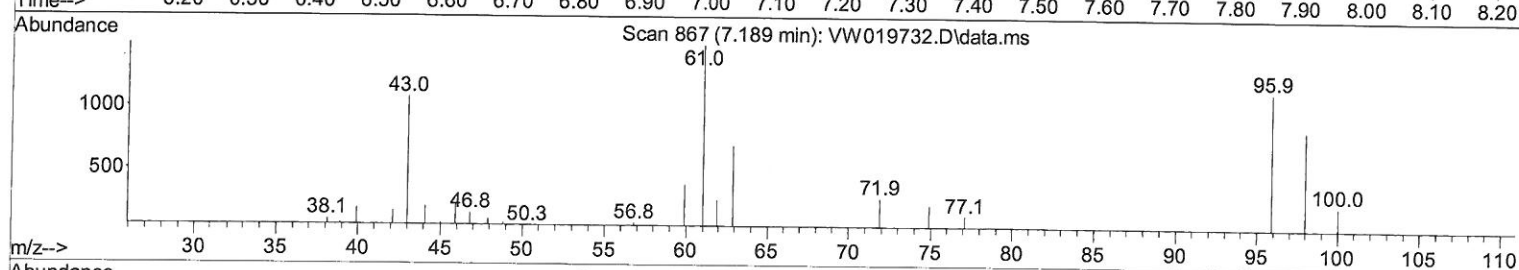
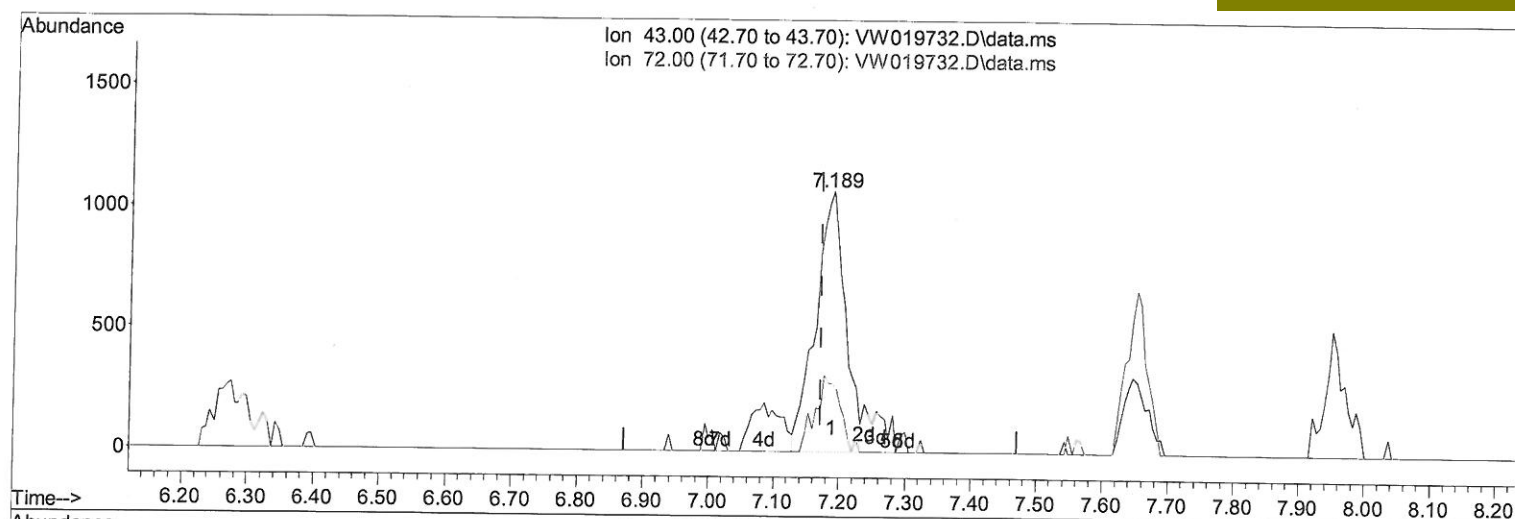
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 4:25:48 PM



TIC: VW019732.D\data.ms

(22) 2-Butanone (T)

7.189min (+ 0.018) 2.49 ug/L m

response 3328

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	29.80	24.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

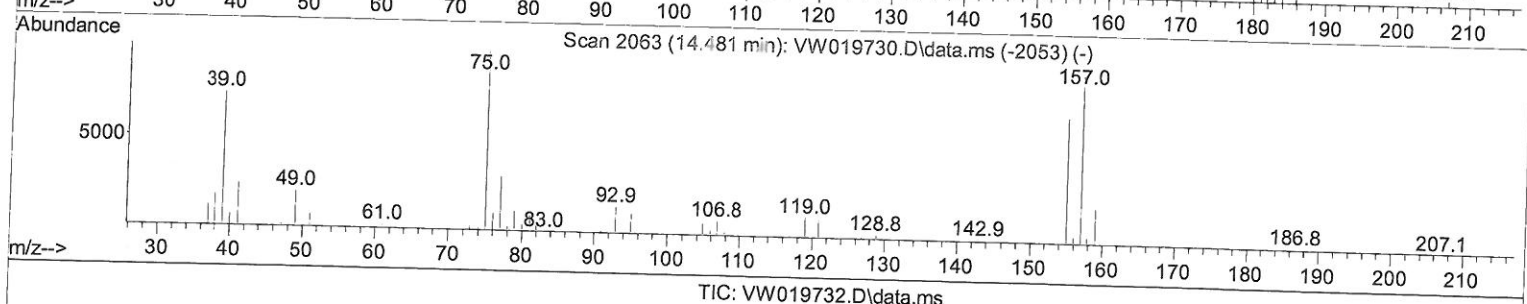
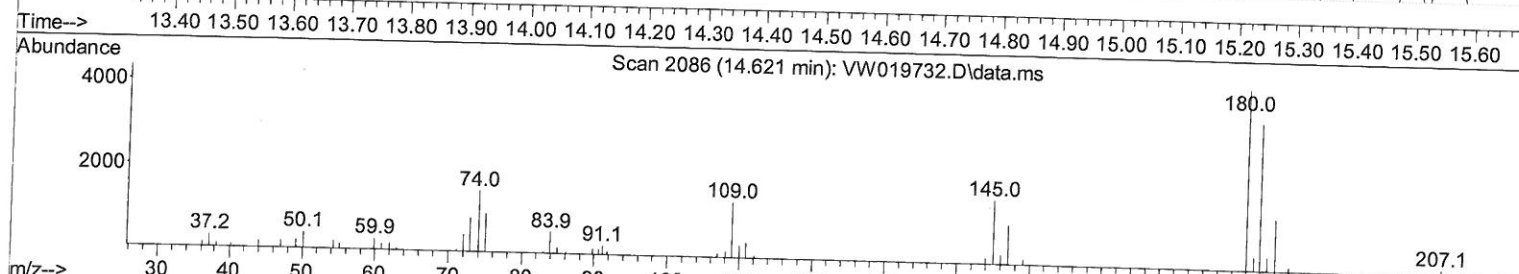
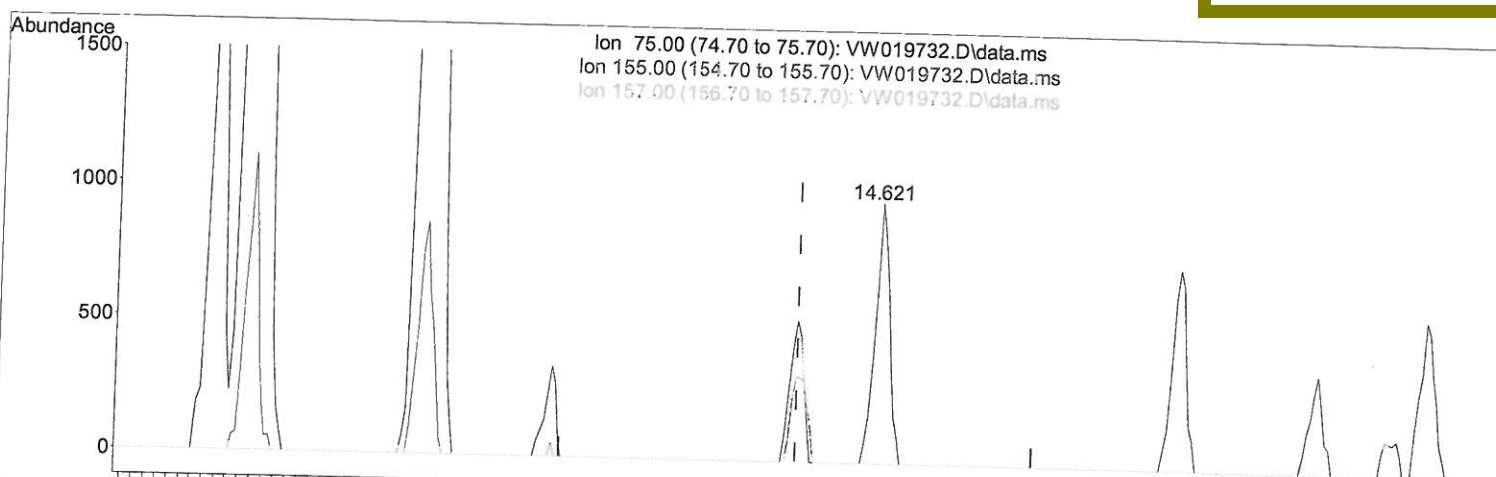
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 4:25:48 PM



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

14.621min (+ 0.140) 2.45 ug/L

response 1601

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)

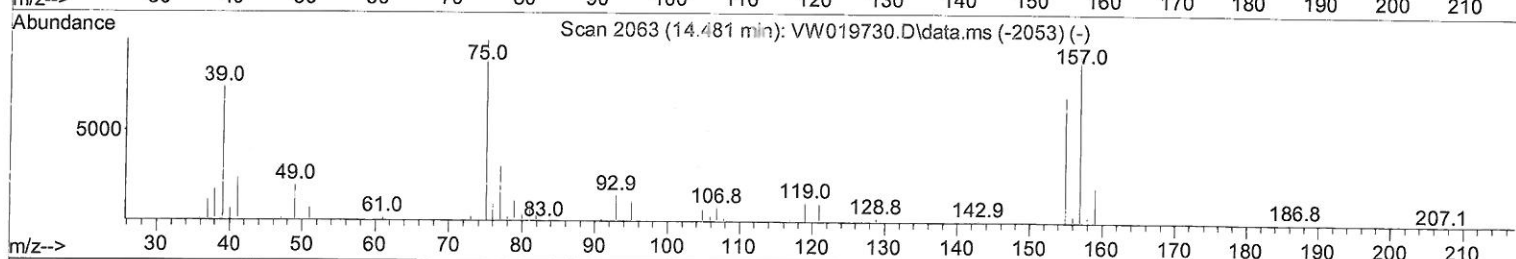
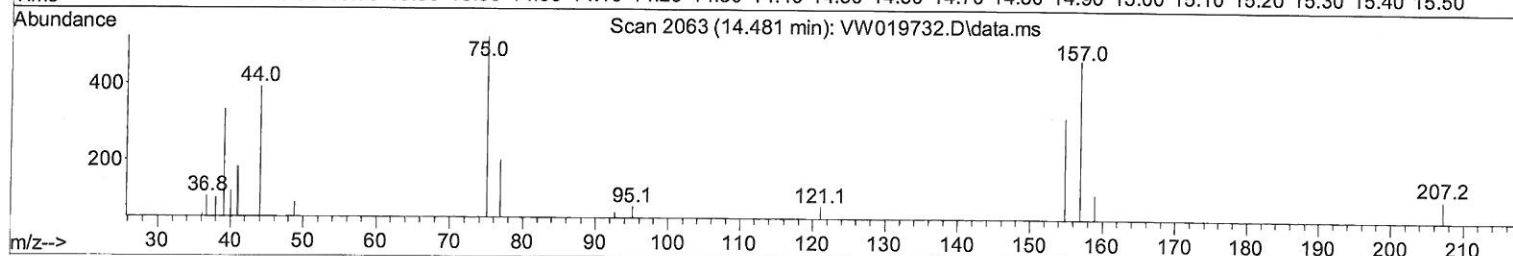
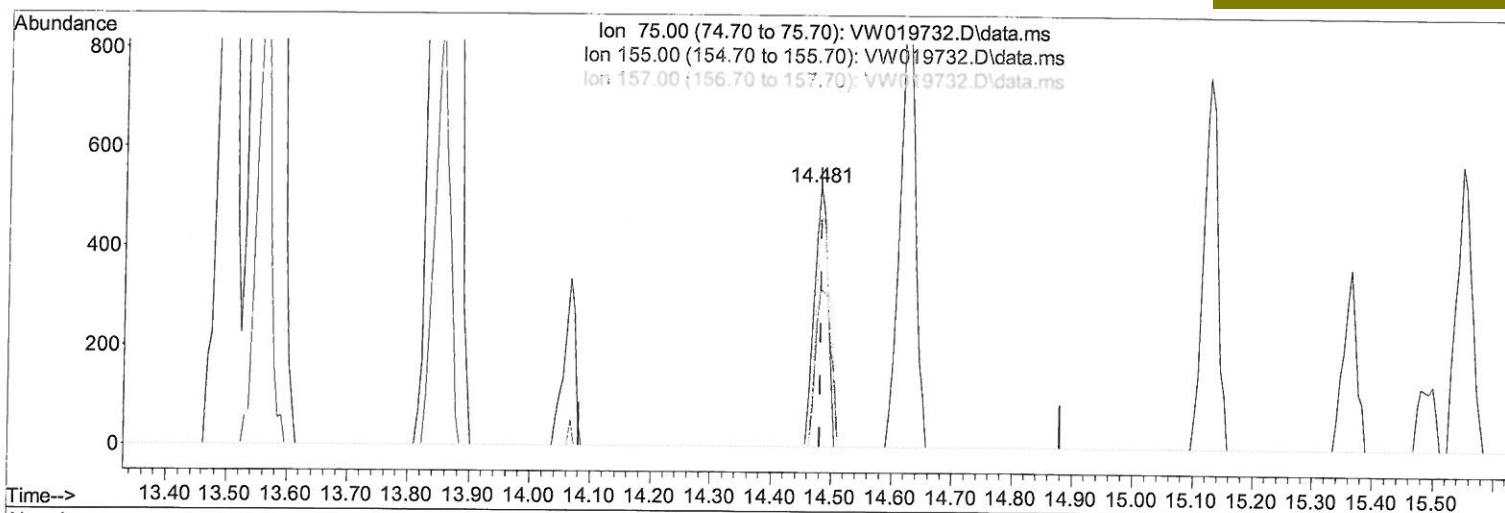
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 4:25:48 PM



TIC: VW019732.D\data.ms

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

14.481min (-0.000) 1.26 ug/L m

response 820

Ion	Exp%	Act%
75.00	100.00	100.00
155.00	74.20	60.69
157.00	90.20	89.31
0.00	0.00	0.00

Handwritten note: 7 mg / 8/20/21

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 4:25:48 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	318160	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	295851	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	147993	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	81669	21.982	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.920%		
7) Chloroethane-d5	2.891	69	92988	25.322	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	101.280%		
11) 1,1-Dichloroethene-d2	4.019	63	111578	14.596	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	58.400%		
21) 2-Butanone-d5	7.086	46	59259	48.839	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	97.680%		
24) Chloroform-d	7.653	84	203446	21.151	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	84.600%		
26) 1,2-Dichloroethane-d4	8.305	65	114535	20.455	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	81.800%		
32) Benzene-d6	8.274	84	368194	18.797	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	75.200%		
36) 1,2-Dichloropropane-d6	9.274	67	120808	20.500	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	82.000%		
41) Toluene-d8	10.329	98	312452	17.486	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	69.960%		
43) trans-1,3-Dichloroprop...	10.579	79	49266	20.248	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	81.000%		
47) 2-Hexanone-d5	10.926	63	45557	44.067	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	88.140%		
56) 1,1,2,2-Tetrachloroeth...	12.694	84	111389	21.784	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	87.120%		
66) 1,2-Dichlorobenzene-d4	13.853	152	127199	23.304	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	93.200%		

Target Compounds				Qvalue	
2) Dichlorodifluoromethane	2.013	85	3682	1.057	ug/L 95
3) Chloromethane	2.221	50	5299	1.504	ug/L 99
5) Vinyl chloride	2.373	62	7452	1.569	ug/L # 70
6) Bromomethane	2.788	94	5688	1.529	ug/L 97
8) Chloroethane	2.934	64	4935	1.546	ug/L 89
9) Trichlorofluoromethane	3.269	101	3949	1.343	ug/L # 79
10) 1,1,2-Trichloro-1,2,2-...	4.080	101	6447m	1.646	ug/L
12) 1,1-Dichloroethene	4.043	96	5725	1.502	ug/L # 1
13) Acetone	4.147	43	3966	3.977	ug/L 64
14) Carbon disulfide	4.391	76	13612	1.254	ug/L 99
15) Methyl Acetate	4.684	43	2798	1.500	ug/L # 66
16) Methylene chloride	4.921	84	14058	2.644	ug/L 95
17) trans-1,2-Dichloroethene	5.427	96	4965	1.191	ug/L 87
18) Methyl tert-butyl Ether	5.421	73	5674	0.937	ug/L # 85
19) 1,1-Dichloroethane	6.226	63	9672	1.104	ug/L 94
20) cis-1,2-Dichloroethene	7.171	96	5382	1.140	ug/L 89
22) 2-Butanone	7.189	43	3328m	2.495	ug/L
23) Bromochloromethane	7.518	128	2596	1.188	ug/L 85

9 mg
 8/10/21
 8/20/21

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 4:25:48 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.683	83	11352	1.265	ug/L	91
27) 1,2-Dichloroethane	8.402	62	6706	1.070	ug/L	98
29) Cyclohexane	7.957	56	6806	0.928	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	7869	1.039	ug/L	99
31) Carbon tetrachloride	8.073	117	7274	1.041	ug/L	99
33) Benzene	8.323	78	22439	1.094	ug/L	100
34) Trichloroethene	9.091	95	5724	1.126	ug/L	91
35) Methylcyclohexane	9.335	83	8046	0.957	ug/L	91
37) 1,2-Dichloropropane	9.372	63	5570	1.087	ug/L	98
38) Bromodichloromethane	9.646	83	6882	1.060	ug/L	100
39) cis-1,3-Dichloropropene	10.073	75	7361	0.942	ug/L	95
40) 4-Methyl-2-pentanone	10.213	43	6150	1.953	ug/L	97
42) Toluene	10.390	91	27149	1.261	ug/L	95
44) trans-1,3-Dichloropropene	10.603	75	9182	1.341	ug/L	86
45) 1,1,2-Trichloroethane	10.792	97	4253	1.122	ug/L	93
46) Tetrachloroethene	10.865	164	4316	1.129	ug/L	87
48) 2-Hexanone	10.969	43	5386	2.486	ug/L #	51
49) Dibromochloromethane	11.128	129	4430	1.055	ug/L	85
50) 1,2-Dibromoethane	11.237	107	3921	1.087	ug/L	98
51) Chlorobenzene	11.658	112	15196	1.154	ug/L	99
52) Ethylbenzene	11.731	91	23029	1.021	ug/L	93
53) m,p-Xylene	11.841	106	8782	1.023	ug/L	91
54) o-Xylene	12.164	106	7363	0.888	ug/L	94
55) Styrene	12.182	104	11942	0.839	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.713	83	5984	1.241	ug/L #	92
59) Bromoform	12.353	173	2348	1.044	ug/L #	94
60) Isopropylbenzene	12.463	105	19427	0.960	ug/L	96
61) 1,2,3-Trichloropropane	12.768	75	3875	1.158	ug/L #	85
62) 1,3,5-Trimethylbenzene	12.944	105	15355	0.911	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	15383	0.875	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	10509	1.072	ug/L	88
65) 1,4-Dichlorobenzene	13.578	146	11983	1.213	ug/L	96
67) 1,2-Dichlorobenzene	13.871	146	11045	1.284	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.481	75	820m	1.256	ug/L	
69) 1,3,5-Trichlorobenzene	14.621	180	7148	1.142	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	6124	1.162	ug/L	96
71) Naphthalene	15.365	128	11053	1.079	ug/L	98
72) 1,2,3-Trichlorobenzene	15.554	180	5824	1.249	ug/L	95

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