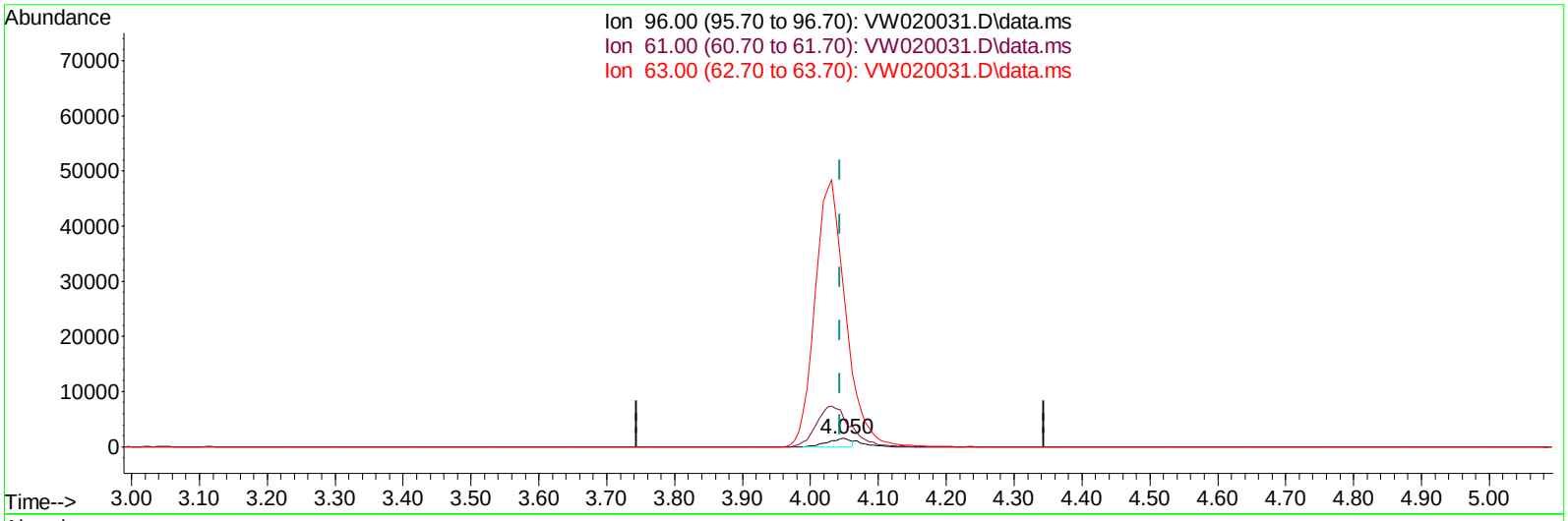
Quantitation Report (Qedit)

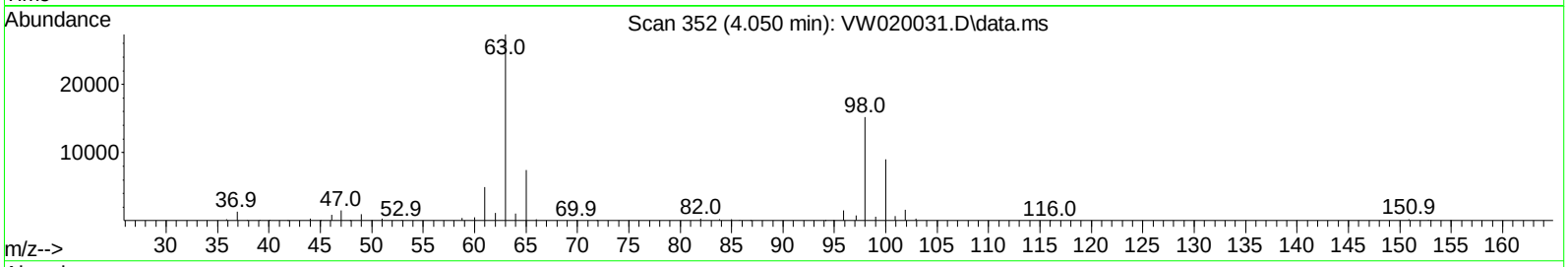
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

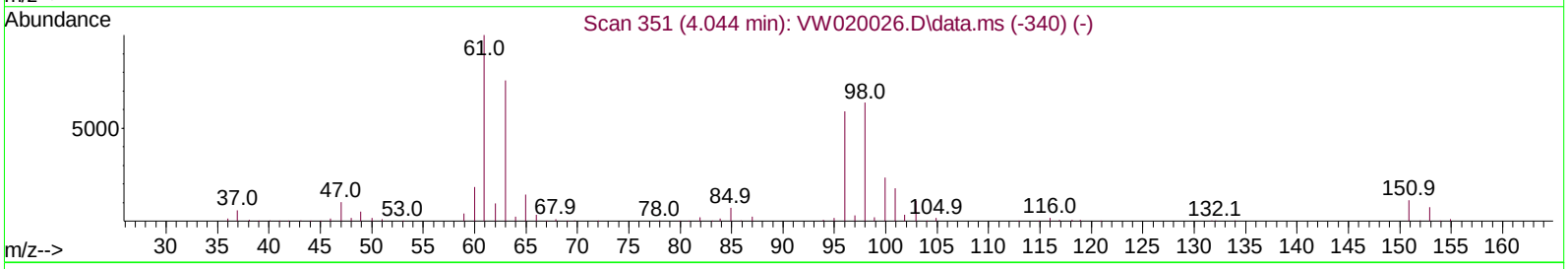
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

(12) 1,1-Dichloroethene (T)

4.050min (+ 0.006) 0.90 ug/L

response 3568

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	168.70	320.32#
63.00	119.60	1756.40#
0.00	0.00	0.00

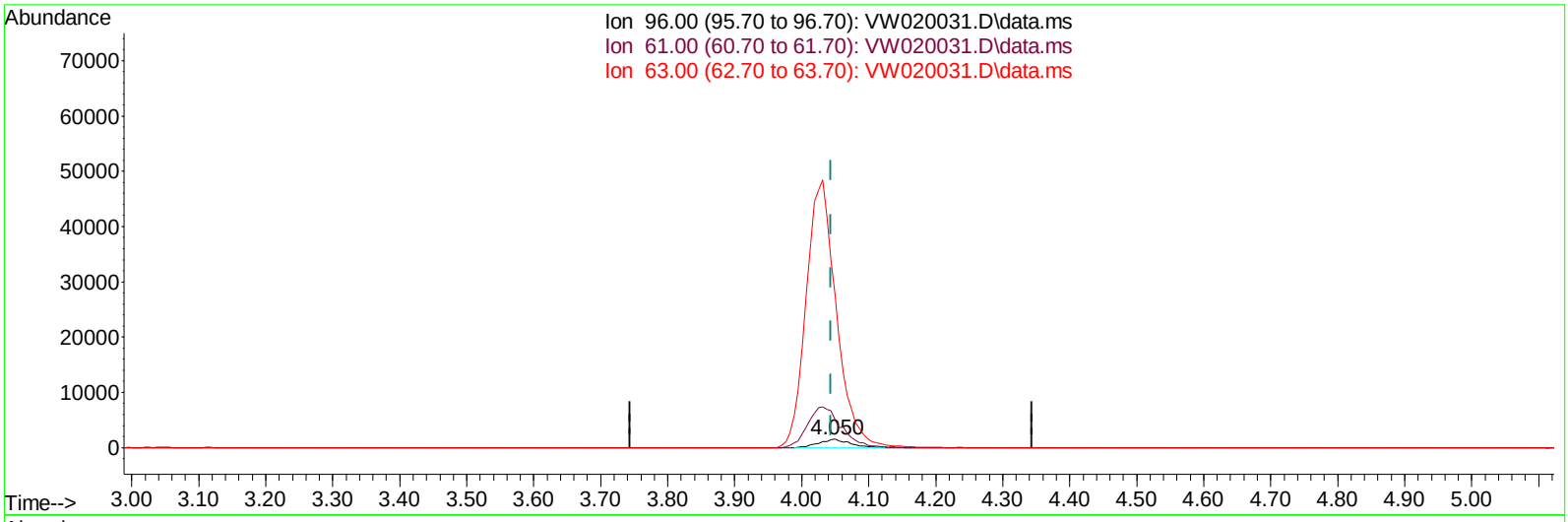
Quantitation Report (Qedit)

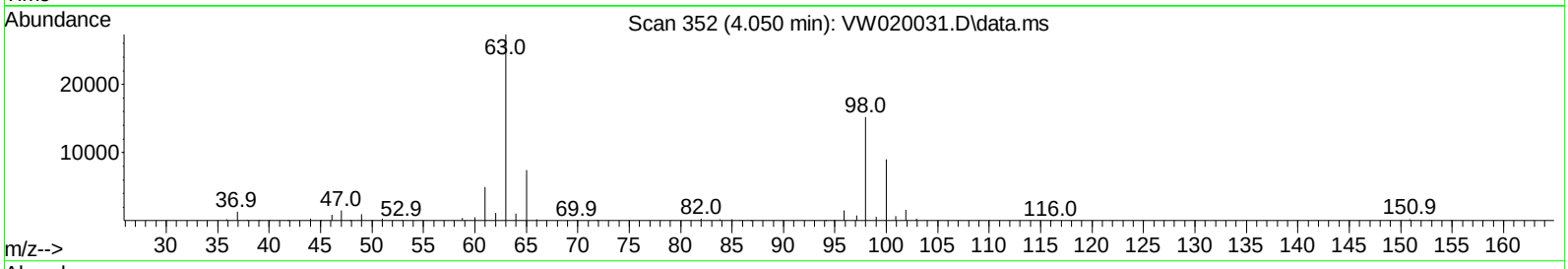
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

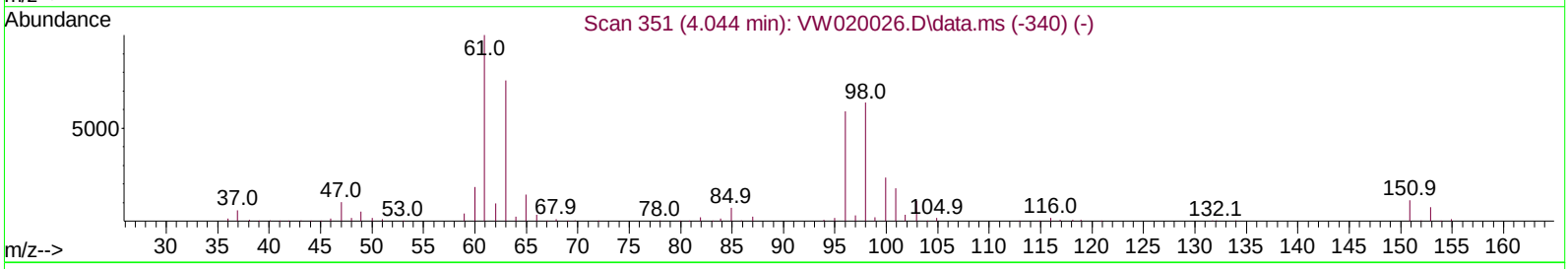
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

(12) 1,1-Dichloroethene (T)

4.050min (+ 0.006) 1.23 ug/L m

response 4866

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	168.70	320.32#
63.00	119.60	1756.40#
0.00	0.00	0.00

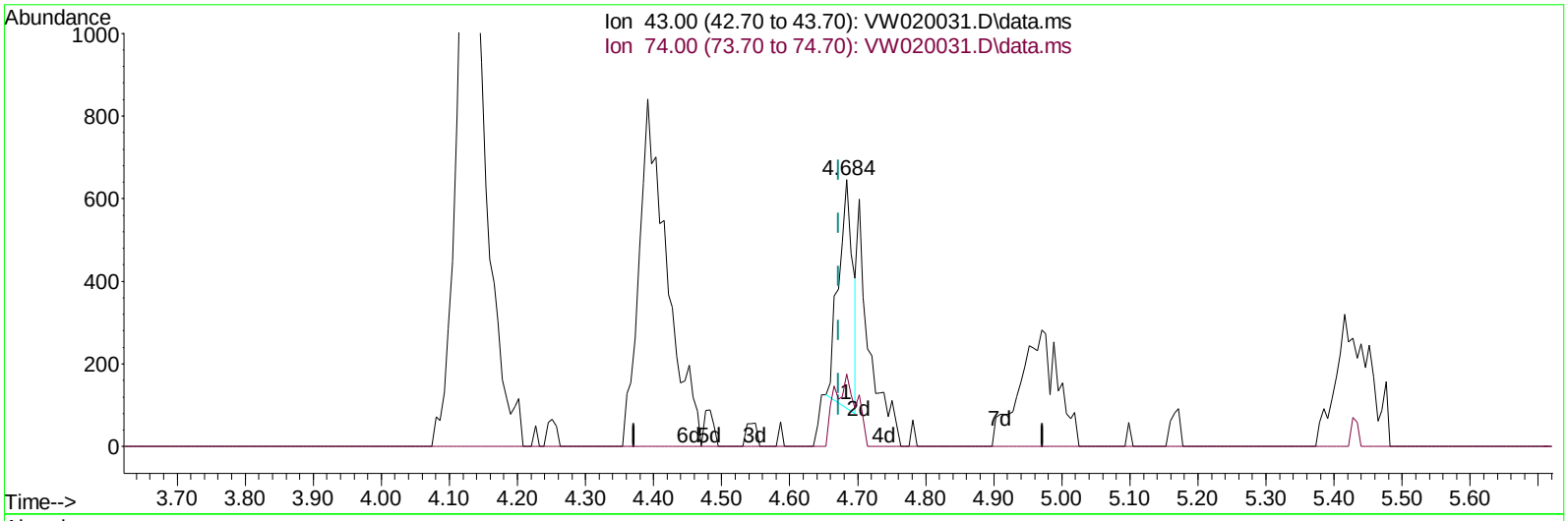
Quantitation Report (Qedit)

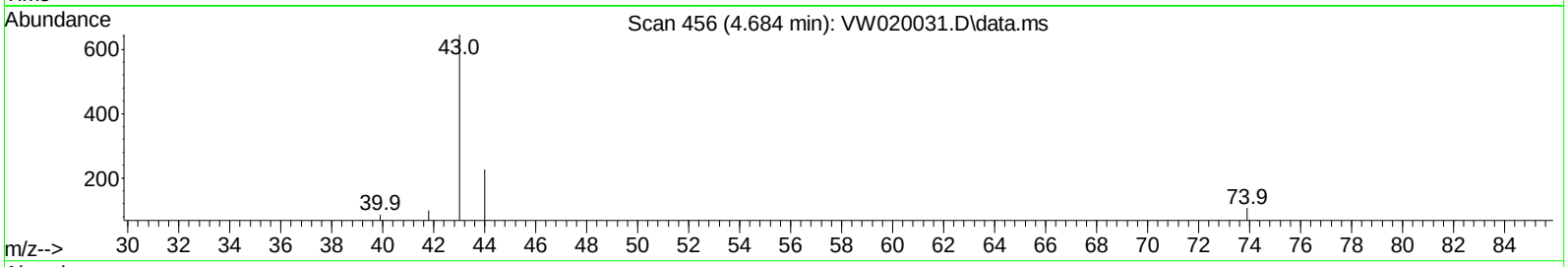
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

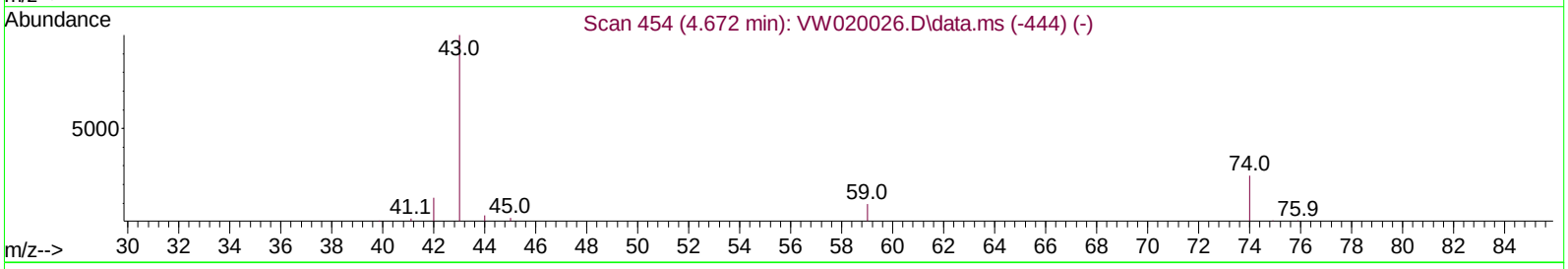
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

(15) Methyl Acetate (T)

4.684min (+ 0.012) 0.37 ug/L

response 802

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	25.00	11.35#
0.00	0.00	0.00
0.00	0.00	0.00

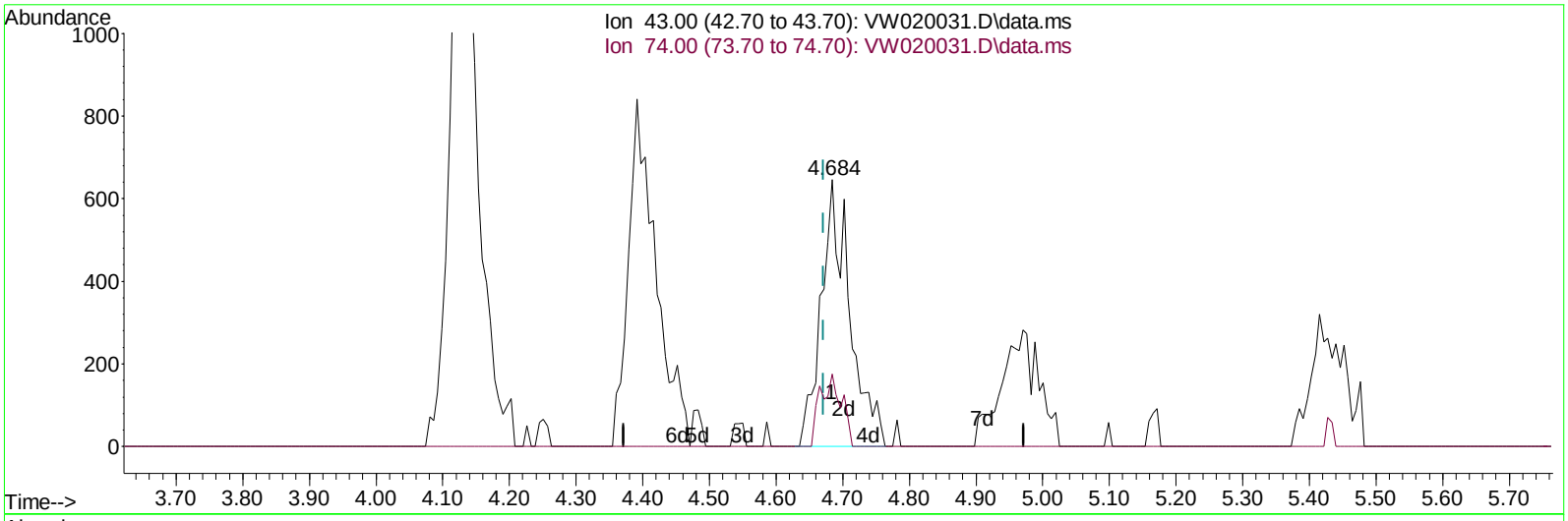
Quantitation Report (Qedit)

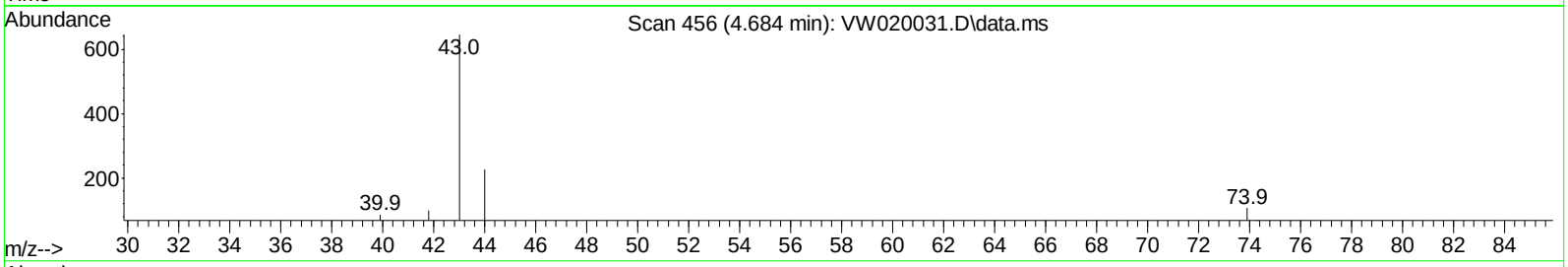
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

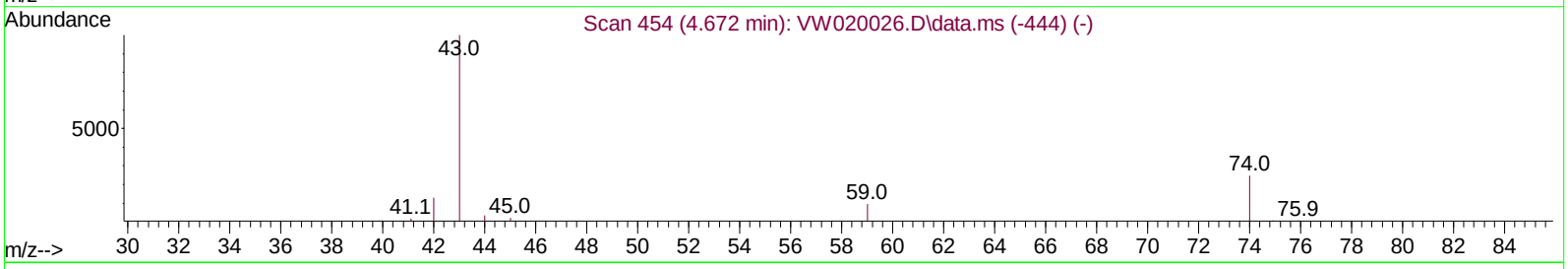
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

(15) Methyl Acetate (T)

4.684min (+ 0.012) 0.89 ug/L m

response 1926

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	25.00	4.72#
0.00	0.00	0.00
0.00	0.00	0.00

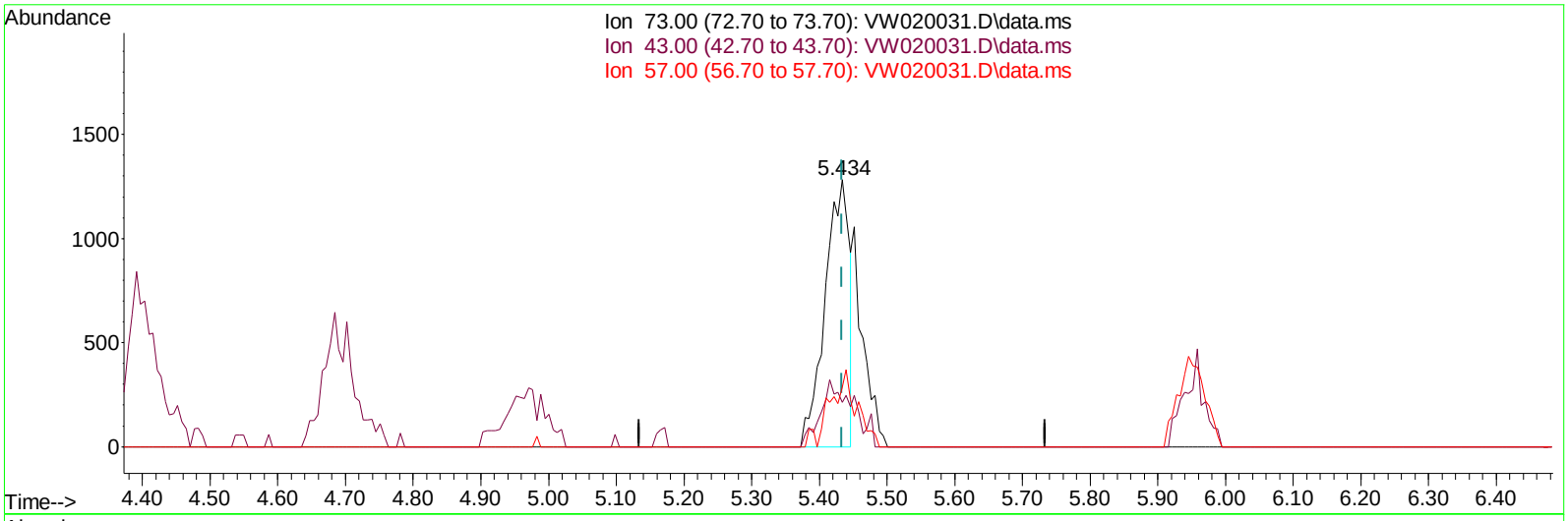
Quantitation Report (Qedit)

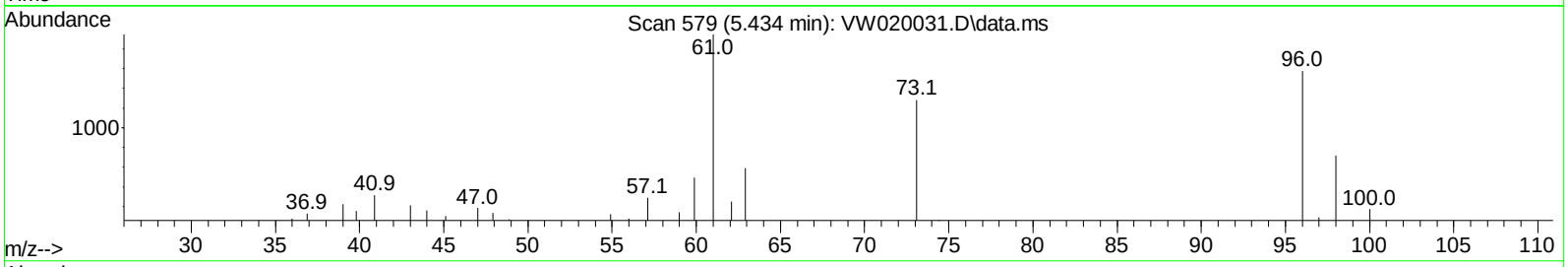
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

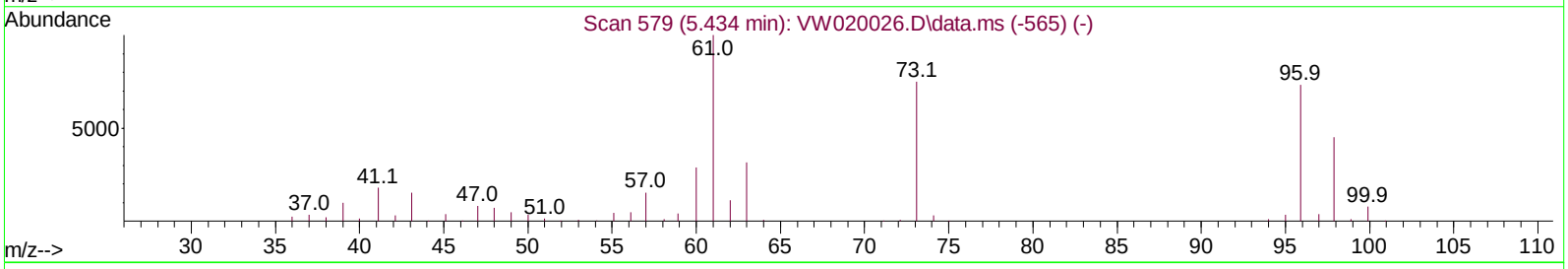
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

(18) Methyl tert-butyl Ether (T)

5.434min (-0.000) 0.61 ug/L

response 3185

Ion	Exp%	Act%
73.00	100.00	100.00
43.00	22.10	2.83#
57.00	21.20	6.15#
0.00	0.00	0.00

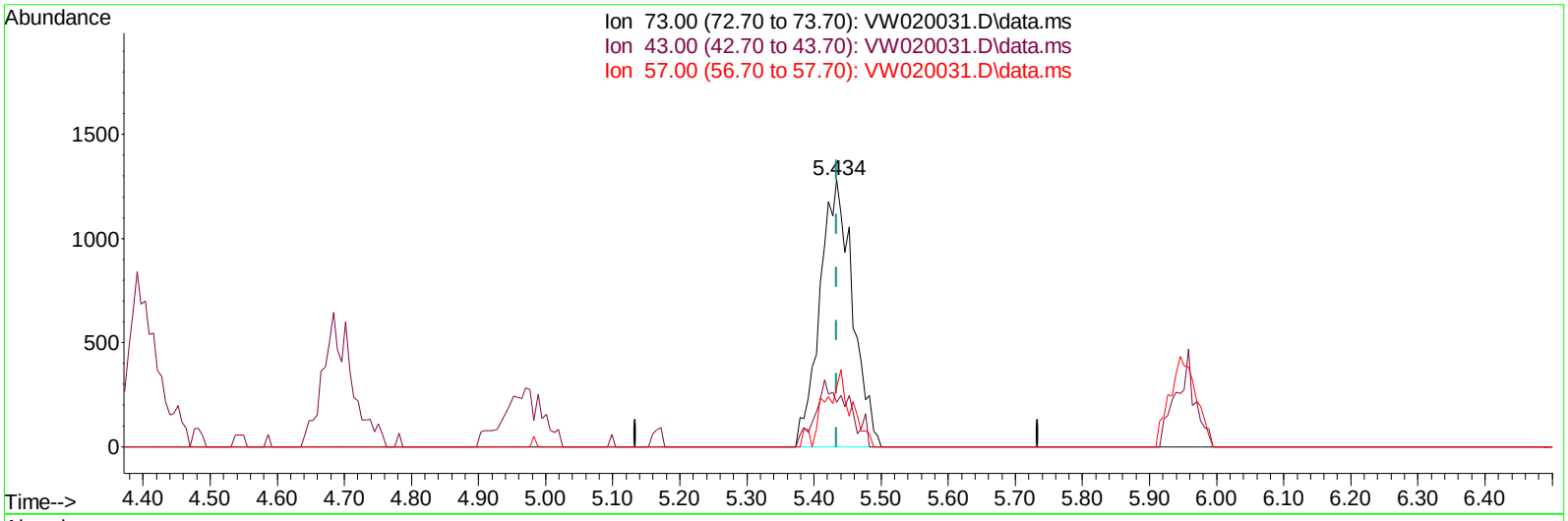
Quantitation Report (Qedit)

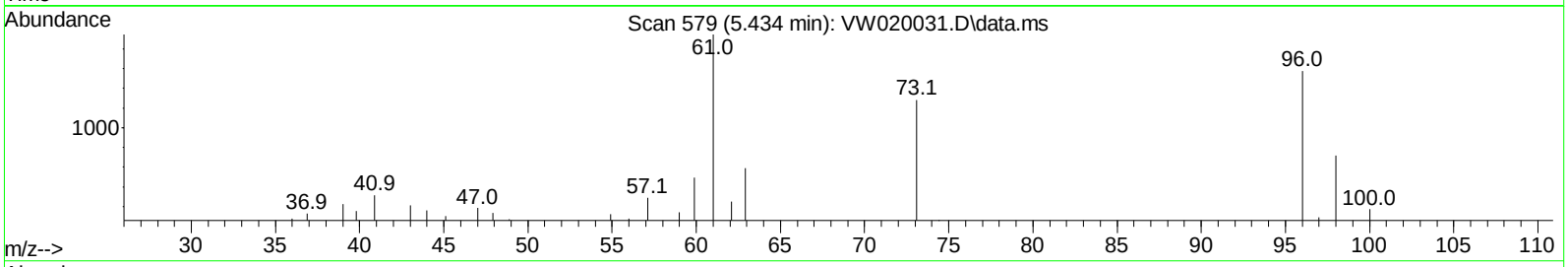
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

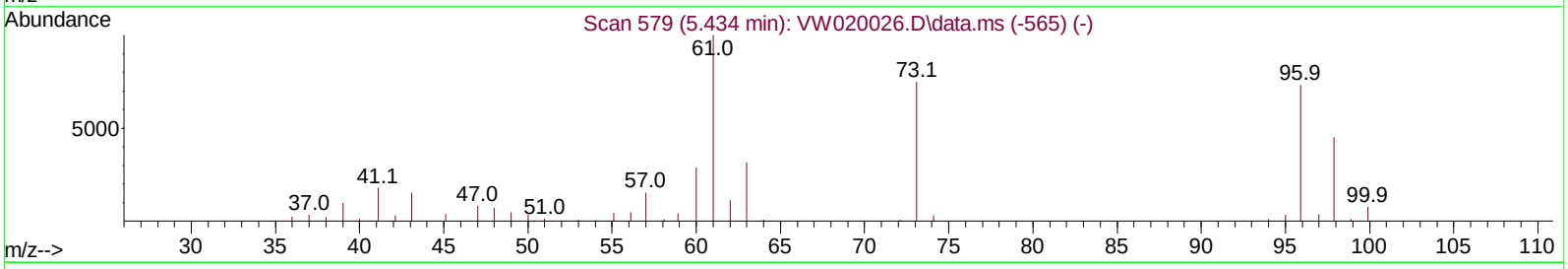
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

(18) Methyl tert-butyl Ether (T)

5.434min (-0.000) 0.83 ug/L m

response 4339

Ion	Exp%	Act%
73.00	100.00	100.00
43.00	22.10	2.07#
57.00	21.20	4.52#
0.00	0.00	0.00

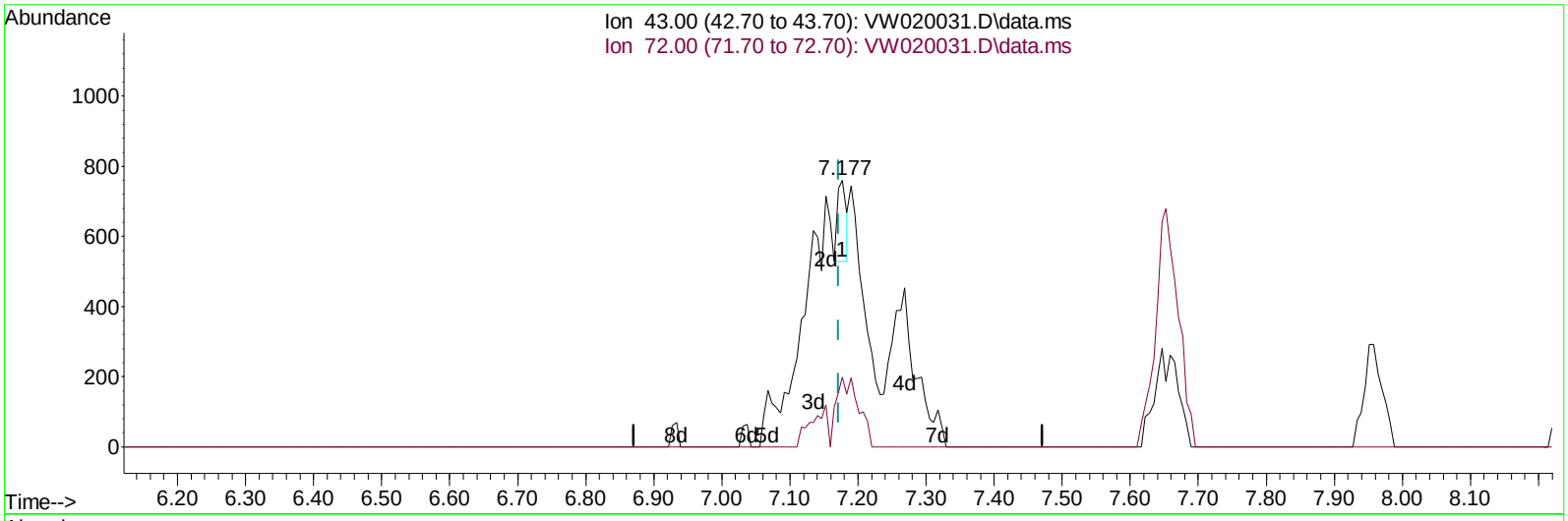
Quantitation Report (Qedit)

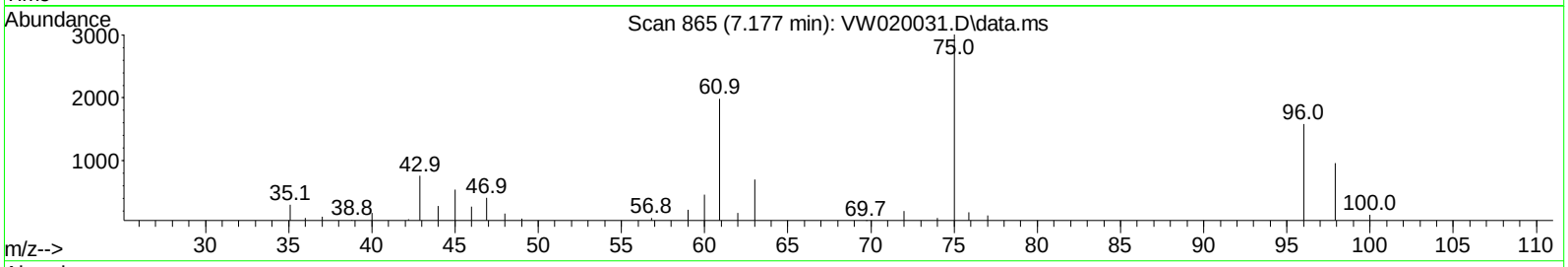
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

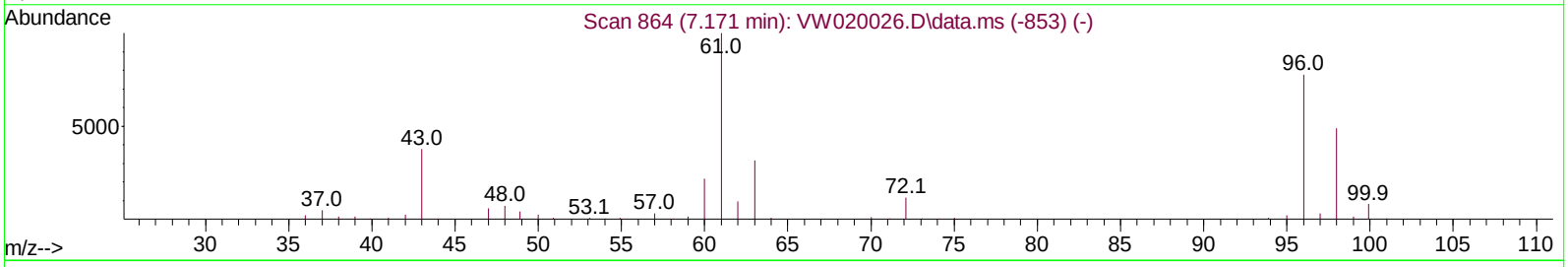
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

(22) 2-Butanone (T)

7.177min (+ 0.006) 0.14 ug/L

response 212

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	29.80	106.60#
0.00	0.00	0.00
0.00	0.00	0.00

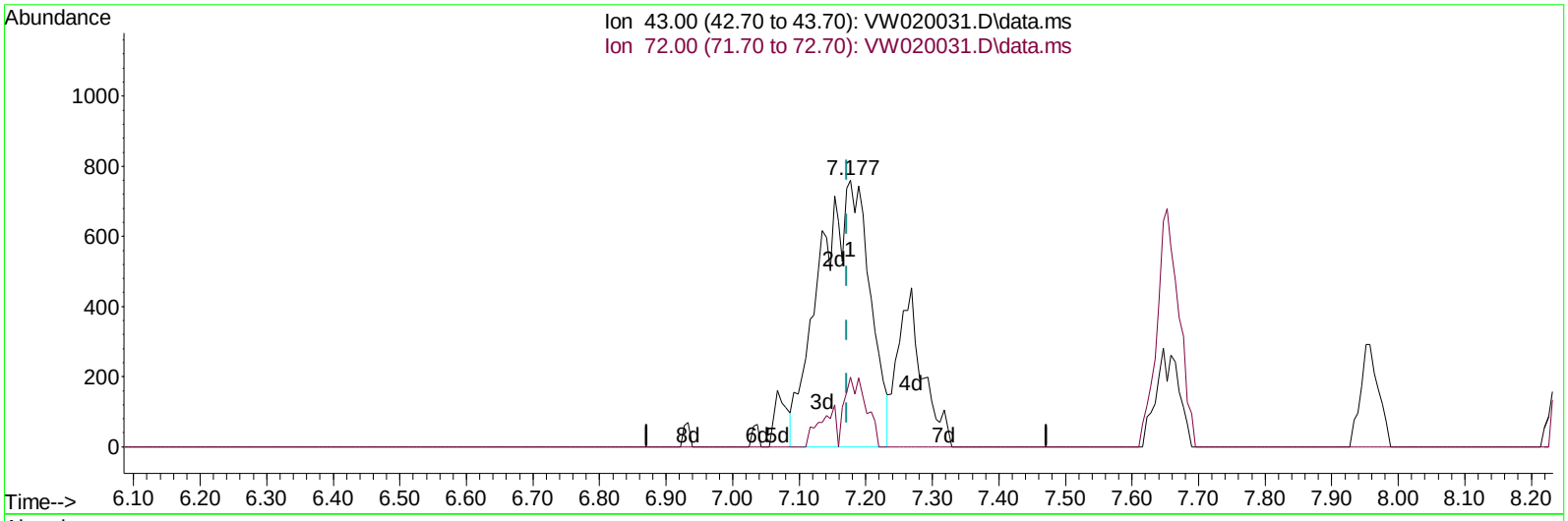
Quantitation Report (Qedit)

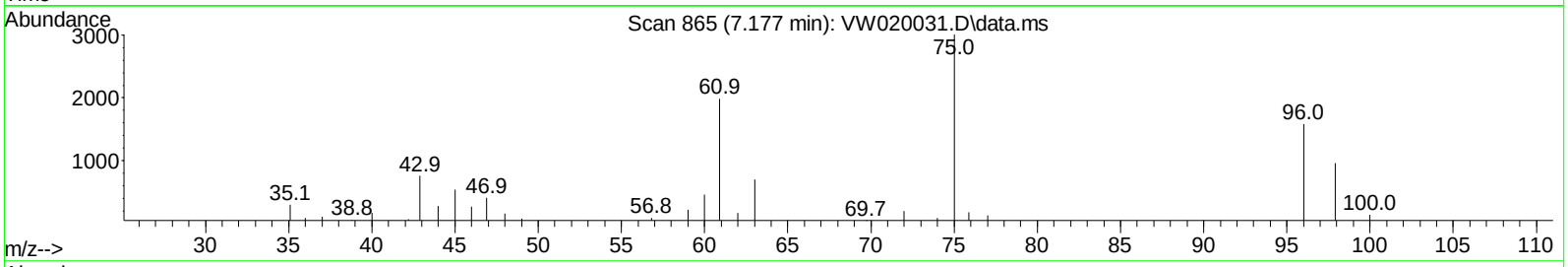
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

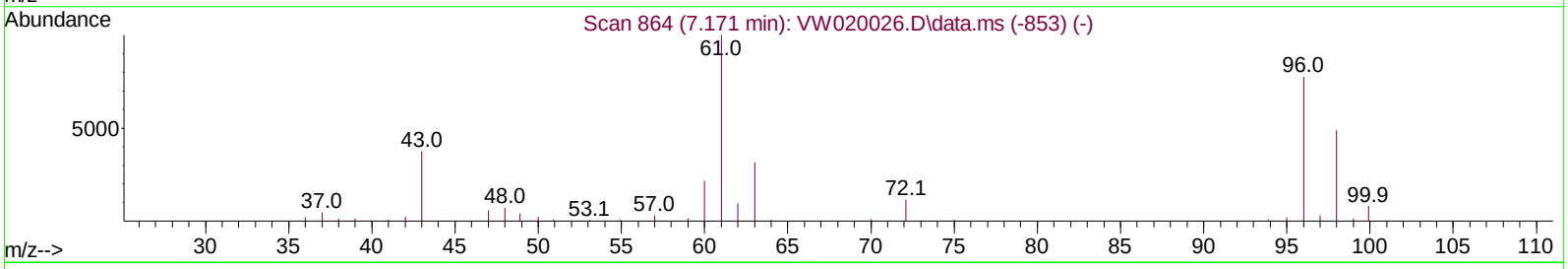
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

(22) 2-Butanone (T)

7.177min (+ 0.006) 2.58 ug/L m

response 4033

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	29.80	5.60#
0.00	0.00	0.00
0.00	0.00	0.00

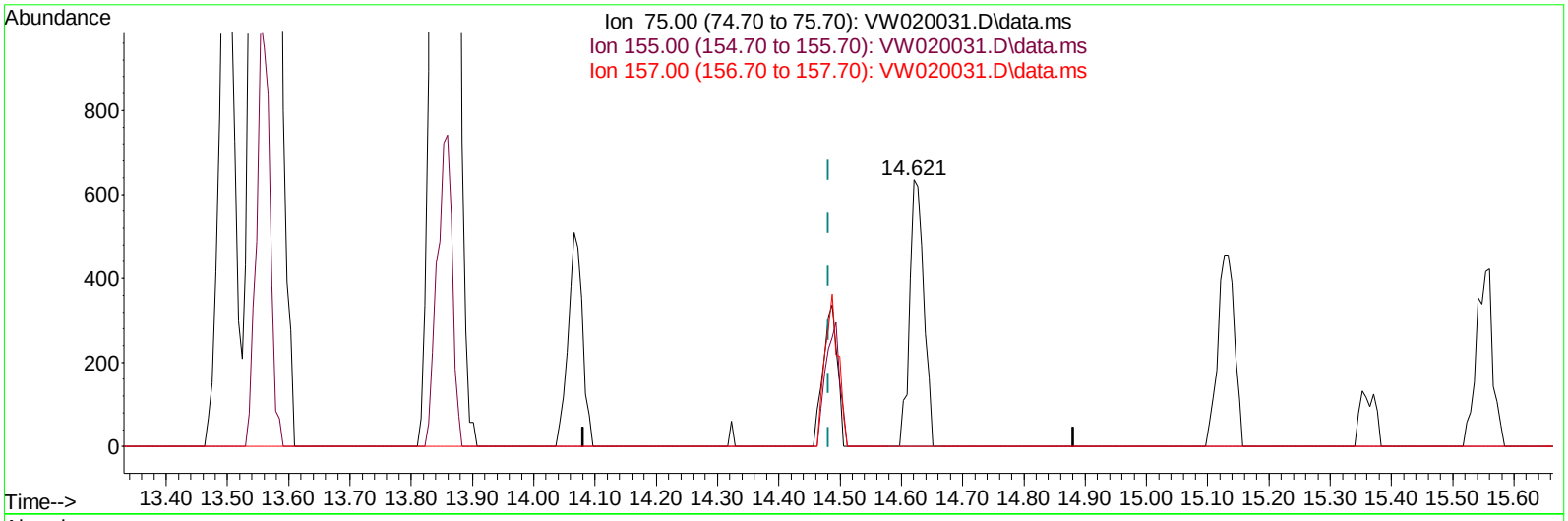
Quantitation Report (Qedit)

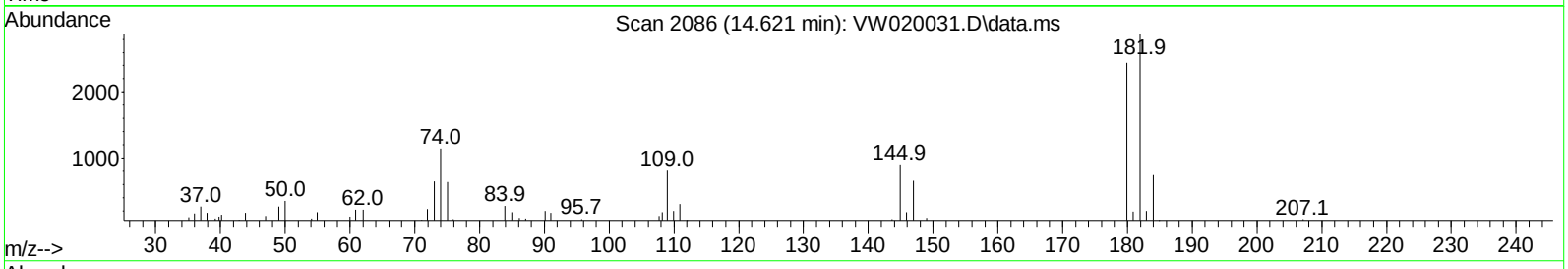
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

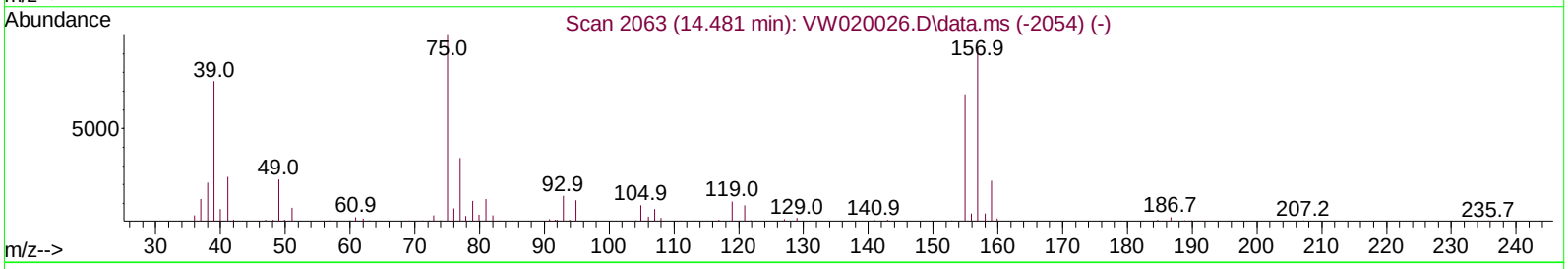
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

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

14.621min (+ 0.140) 1.36 ug/L

response 1023

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

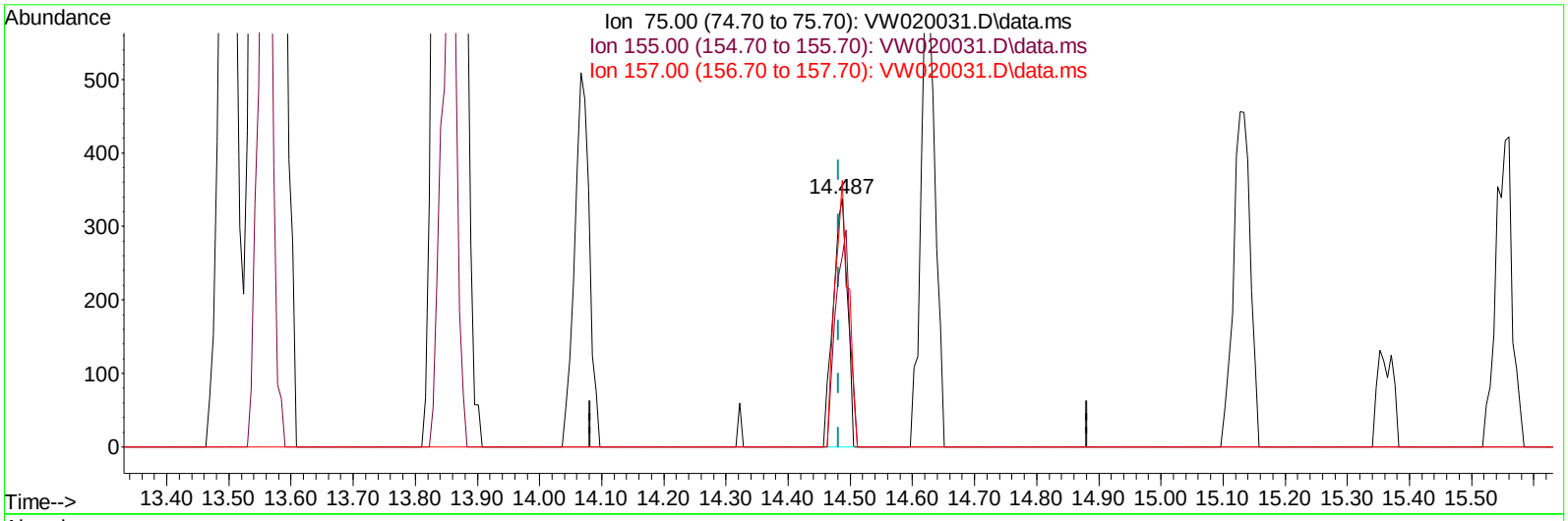
Quantitation Report (Qedit)

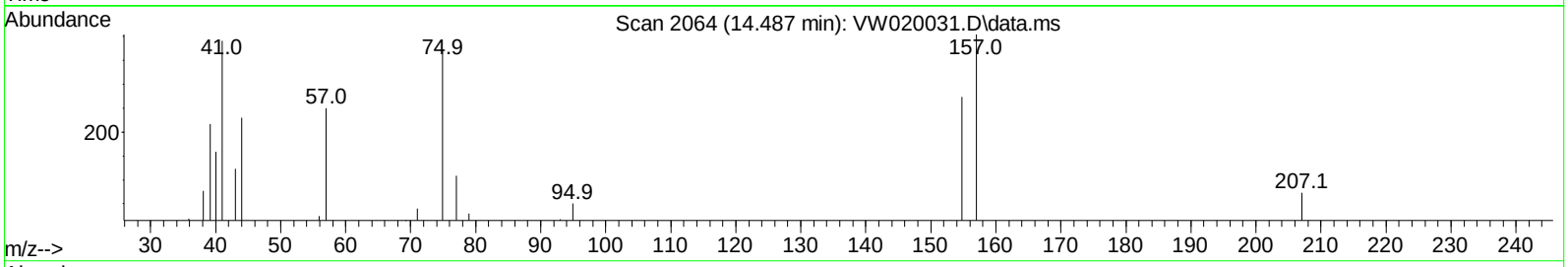
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

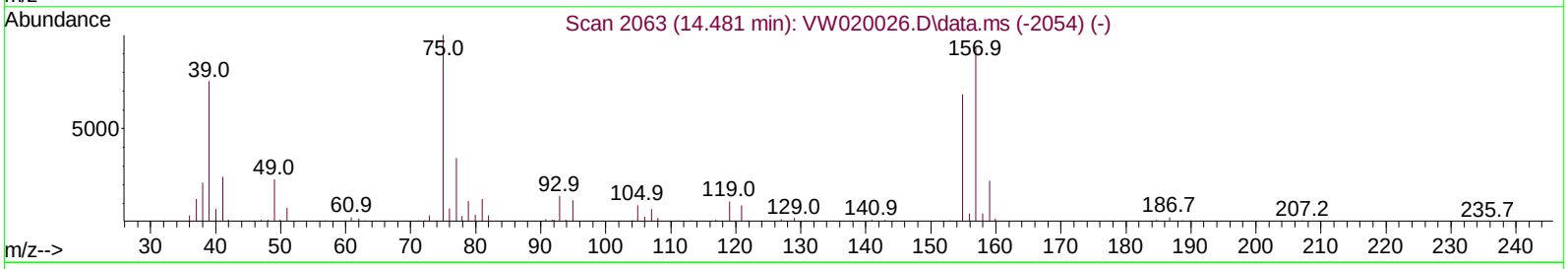
Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM







TIC: VW020031.D\data.ms

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

14.487min (+ 0.006) 0.72 ug/L m

response 542

Ion	Exp%	Act%
75.00	100.00	100.00
155.00	74.20	76.63
157.00	90.20	107.40
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM

Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	8.848	114	291509	25.000	ug/L		0.00
28) Chlorobenzene-d5	11.634	117	280170	25.000	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	133181	25.000	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.361	65	135407	28.202	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 112.800%				
7) Chloroethane-d5	2.898	69	108610	26.281	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 105.120%				
11) 1,1-Dichloroethene-d2	4.031	63	150779	19.212	ug/L		0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 76.840%				
21) 2-Butanone-d5	7.080	46	47996	36.541	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.080%				
24) Chloroform-d	7.653	84	206931	25.763	ug/L		0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 103.040%				
26) 1,2-Dichloroethane-d4	8.311	65	122229	25.832	ug/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.320%				
32) Benzene-d6	8.281	84	414801	27.136	ug/L		0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 108.560%				
36) 1,2-Dichloropropane-d6	9.274	67	121261	26.745	ug/L		0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 106.960%				
41) Toluene-d8	10.329	98	379883	26.512	ug/L		0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 106.040%				
43) trans-1,3-Dichloroprop...	10.579	79	52169	25.014	ug/L		0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.040%				
47) 2-Hexanone-d5	10.927	63	34571	37.323	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 74.640%				
56) 1,1,2,2-Tetrachloroeth...	12.695	84	98681	22.123	ug/L		0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 88.480%				
66) 1,2-Dichlorobenzene-d4	13.853	152	128071	28.217	ug/L		0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 112.880%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.020	85	2716	0.899	ug/L		90
3) Chloromethane	2.221	50	4609	1.132	ug/L		90
5) Vinyl chloride	2.373	62	6939	1.090	ug/L	#	60
6) Bromomethane	2.788	94	4227	0.947	ug/L		97
8) Chloroethane	2.940	64	3812	0.981	ug/L		86
9) Trichlorofluoromethane	3.263	101	2943	0.792	ug/L		98
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	5367	1.284	ug/L	#	30
12) 1,1-Dichloroethene	4.050	96	4866m	1.230	ug/L		
13) Acetone	4.135	43	4181	3.352	ug/L		93
14) Carbon disulfide	4.391	76	12177	0.943	ug/L	#	92
15) Methyl Acetate	4.684	43	1926m	0.885	ug/L		
16) Methylene chloride	4.922	84	10645	2.072	ug/L		97
17) trans-1,2-Dichloroethene	5.434	96	3840	0.921	ug/L	#	82
18) Methyl tert-butyl Ether	5.434	73	4339m	0.834	ug/L		
19) 1,1-Dichloroethane	6.226	63	7361	0.987	ug/L		91
20) cis-1,2-Dichloroethene	7.177	96	4033	0.937	ug/L		99
22) 2-Butanone	7.177	43	4033m	2.580	ug/L		
23) Bromochloromethane	7.525	128	1910	0.958	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM

Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Chloroform	7.683	83	8848	1.130	ug/L		89
27) 1,2-Dichloroethane	8.403	62	5428	0.991	ug/L		99
29) Cyclohexane	7.964	56	4643	0.736	ug/L		98
30) 1,1,1-Trichloroethane	7.878	97	6229	0.949	ug/L		99
31) Carbon tetrachloride	8.073	117	5695	0.930	ug/L		100
33) Benzene	8.329	78	17479	1.036	ug/L		100
34) Trichloroethene	9.098	95	3999	0.895	ug/L		87
35) Methylcyclohexane	9.341	83	6082	0.808	ug/L		93
37) 1,2-Dichloropropane	9.366	63	3984	0.976	ug/L		99
38) Bromodichloromethane	9.652	83	5592	1.015	ug/L	#	83
39) cis-1,3-Dichloropropene	10.073	75	5675	0.921	ug/L		99
40) 4-Methyl-2-pentanone	10.213	43	5709	1.960	ug/L		96
42) Toluene	10.390	91	23090	1.283	ug/L		98
44) trans-1,3-Dichloropropene	10.603	75	7649	1.311	ug/L		98
45) 1,1,2-Trichloroethane	10.786	97	3195	0.978	ug/L		94
46) Tetrachloroethene	10.866	164	3119	0.903	ug/L		89
48) 2-Hexanone	10.969	43	3114	1.492	ug/L	#	94
49) Dibromochloromethane	11.128	129	3343	0.891	ug/L		95
50) 1,2-Dibromoethane	11.238	107	2866	0.892	ug/L	#	90
51) Chlorobenzene	11.658	112	11386	0.976	ug/L		96
52) Ethylbenzene	11.731	91	16182	0.823	ug/L		92
53) m,p-Xylene	11.841	106	6041	0.808	ug/L		93
54) o-Xylene	12.170	106	5055	0.716	ug/L		85
55) Styrene	12.182	104	7697	0.634	ug/L		91
57) 1,1,2,2-Tetrachloroethane	12.713	83	4489	1.049	ug/L	#	95
59) Bromoform	12.347	173	1790	0.888	ug/L	#	90
60) Isopropylbenzene	12.463	105	12863	0.728	ug/L		97
61) 1,2,3-Trichloropropane	12.768	75	3020	0.970	ug/L		92
62) 1,3,5-Trimethylbenzene	12.945	105	10339	0.719	ug/L		99
63) 1,2,4-Trimethylbenzene	13.249	105	10498	0.744	ug/L		98
64) 1,3-Dichlorobenzene	13.499	146	7551	0.930	ug/L		100
65) 1,4-Dichlorobenzene	13.579	146	8609	1.040	ug/L		95
67) 1,2-Dichlorobenzene	13.865	146	7814	1.056	ug/L	#	88
68) 1,2-Dibromo-3-chloropr...	14.487	75	542m	0.721	ug/L		
69) 1,3,5-Trichlorobenzene	14.627	180	5020	0.893	ug/L		92
70) 1,2,4-trichlorobenzene	15.127	180	3982	0.905	ug/L		95
71) Naphthalene	15.365	128	6290	0.669	ug/L		98
72) 1,2,3-Trichlorobenzene	15.554	180	3760	0.910	ug/L		94

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091521\
Data File : VW020031.D
Acq On : 15 Sep 2021 11:37
Operator : SY/VA
Sample : MDL04
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 16 01:01:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 16 00:47:26 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Manual Integrations APPROVED
MMDadoda
9/17/2021 2:30:20 PM