

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (QT Reviewed)

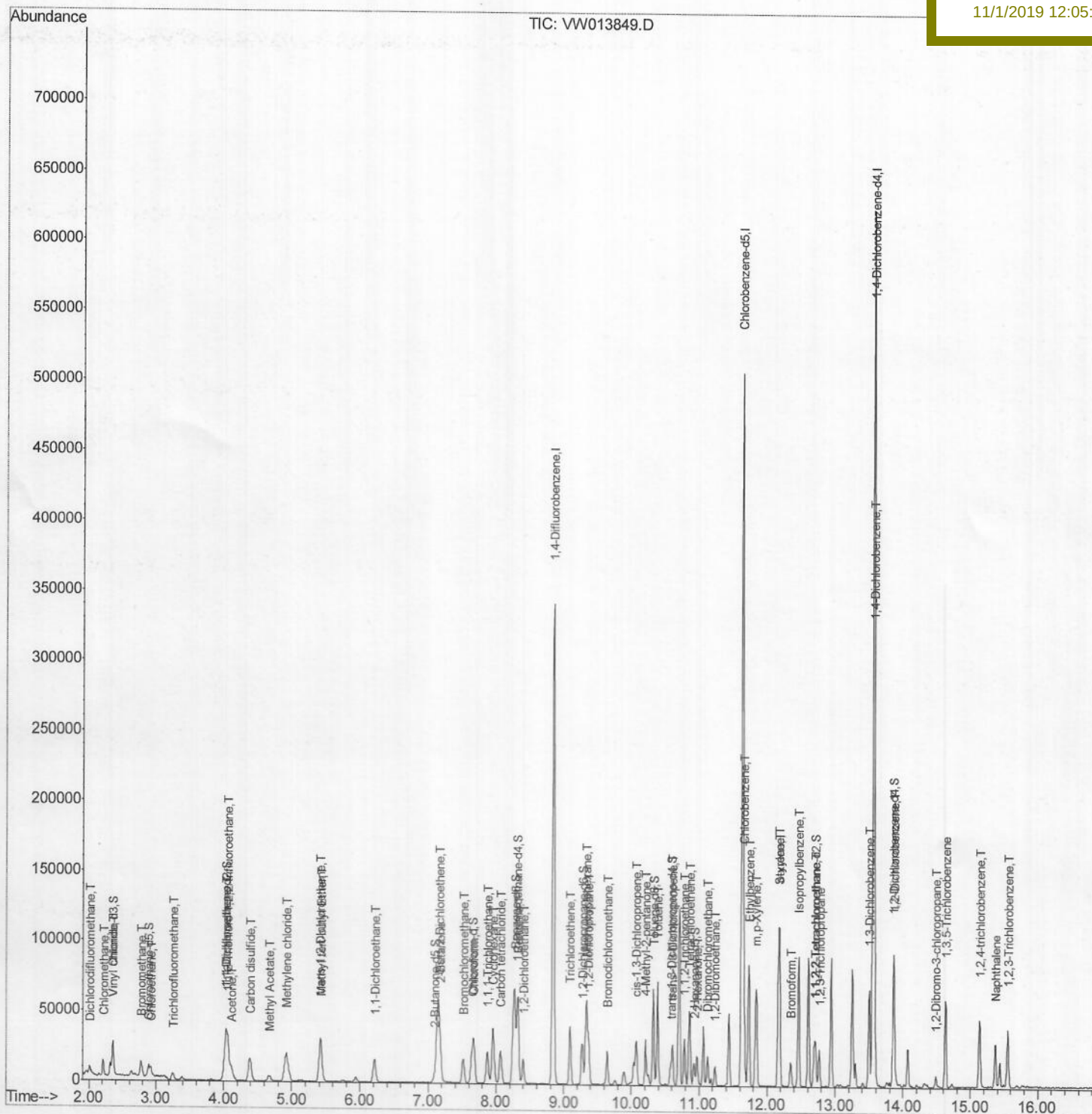
Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 12:08:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sampled :
VSTD2.504

Manual Integrations
APPROVED

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11/1/2019 12:05:26 PM



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

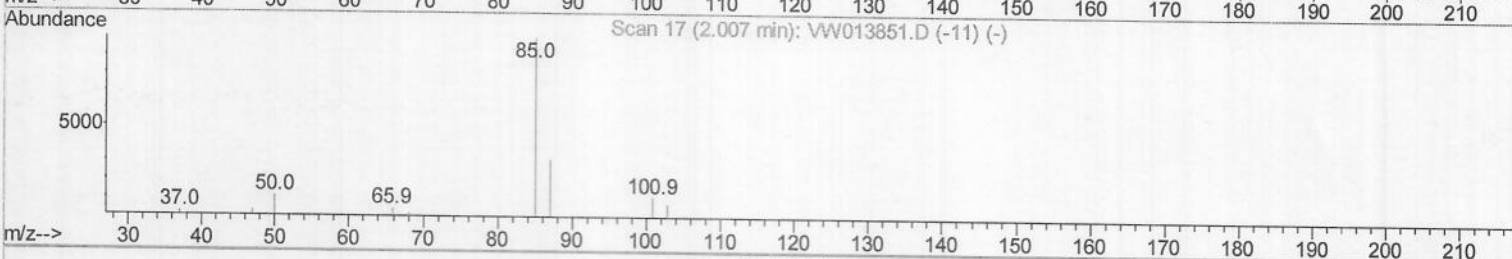
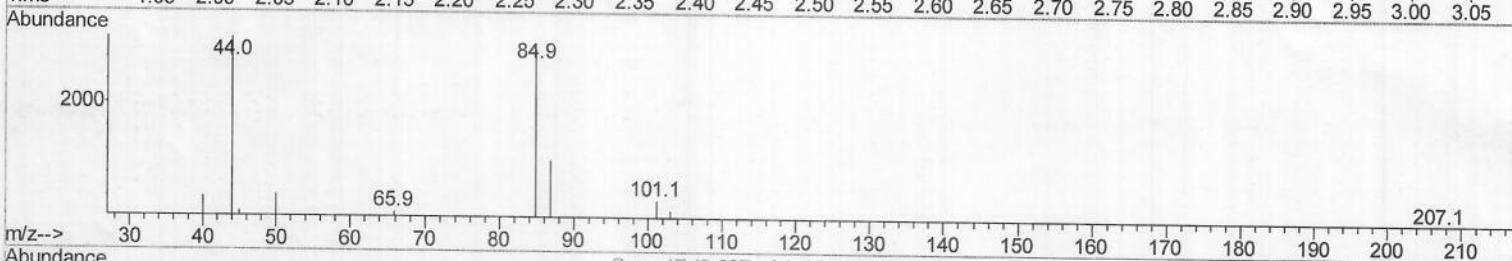
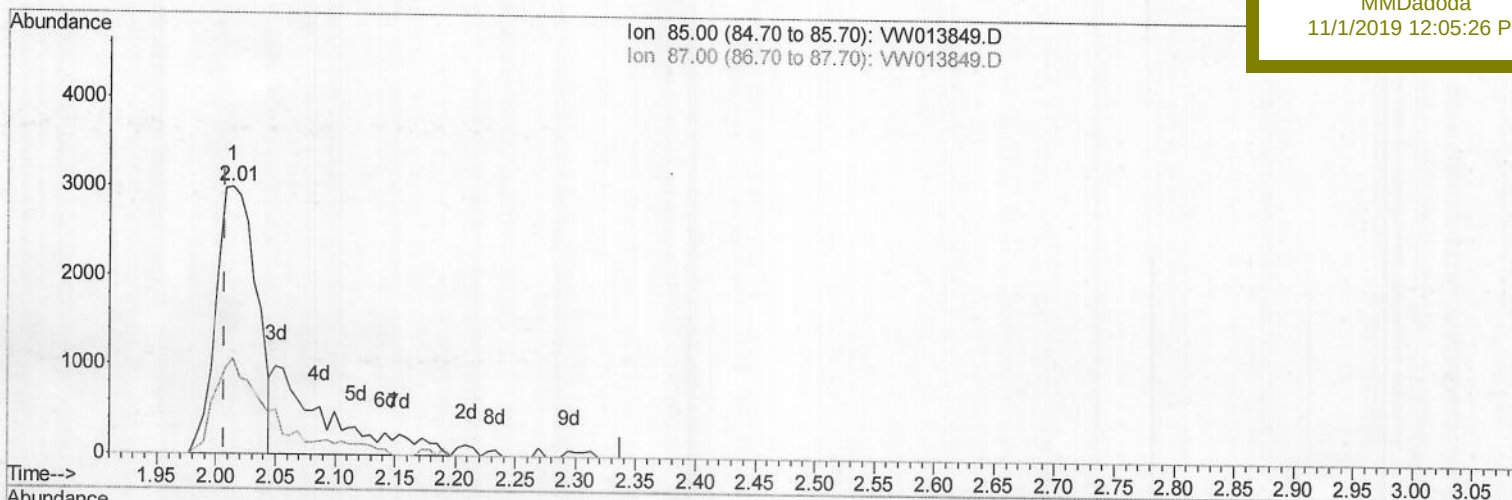
Data File : VW013849.D
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Instrument :
MSVOA_W
Client Sample Id :
VSTD2.504

Manual Integrations
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TIC: VW013849.D

(2) Dichlorodifluoromethane (T)

2.014min (+0.006) 2.06ug/L

response 7108

Ion	Exp%	Act%
85.00	100	100
87.00	32.10	40.53
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

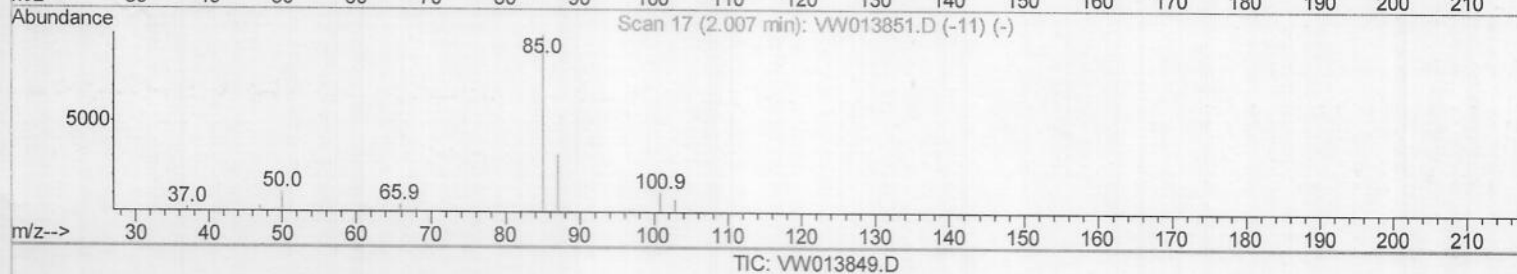
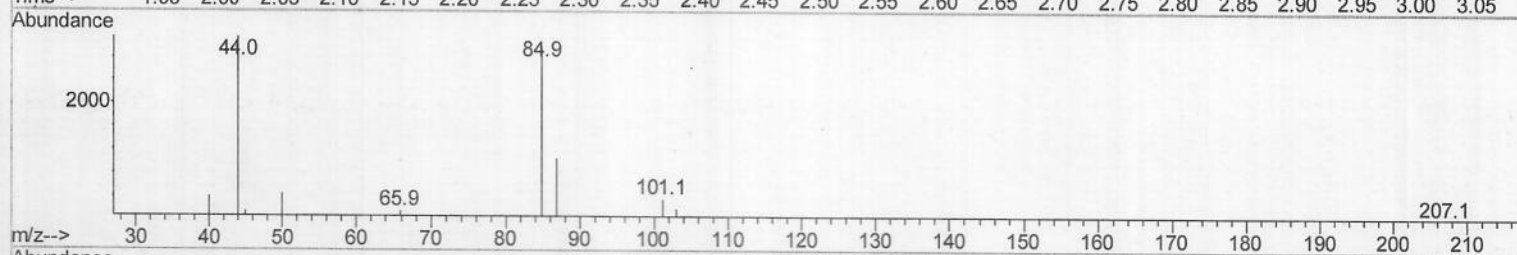
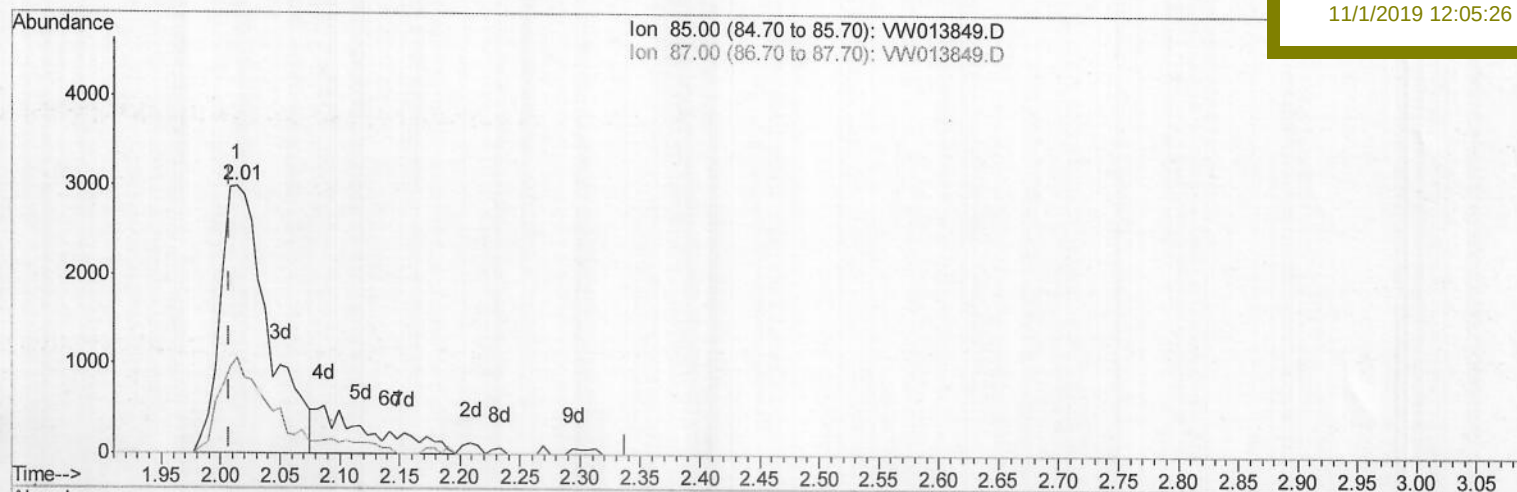
Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 12:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Manual Integrations
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(2) Dichlorodifluoromethane (T)

2.014min (+0.006) 2.46ug/L m

response 8483

Ion	Exp%	Act%
85.00	100	100
87.00	32.10	33.96
0.00	0.00	0.00
0.00	0.00	0.00

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

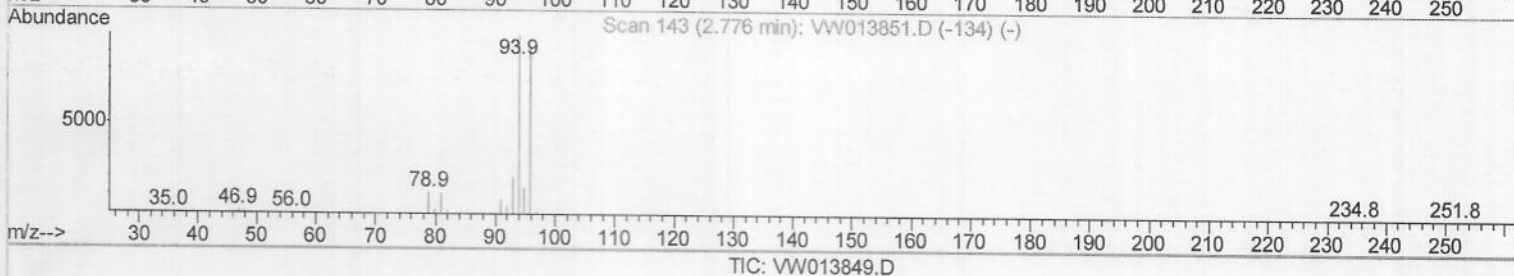
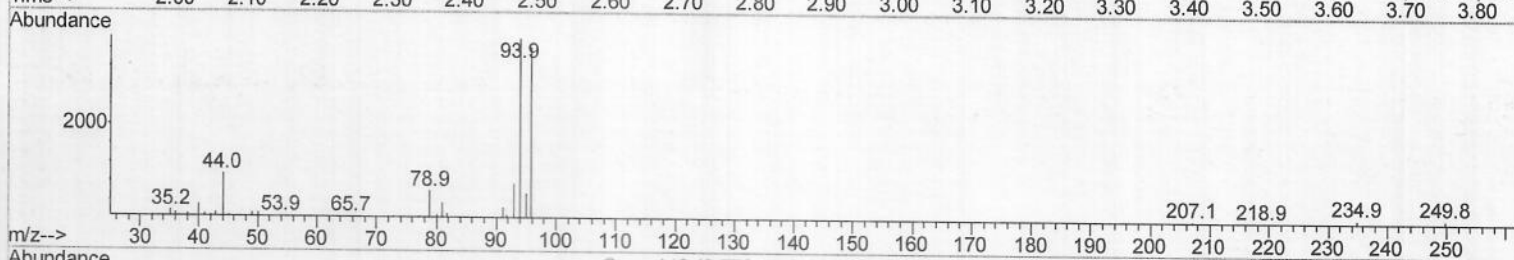
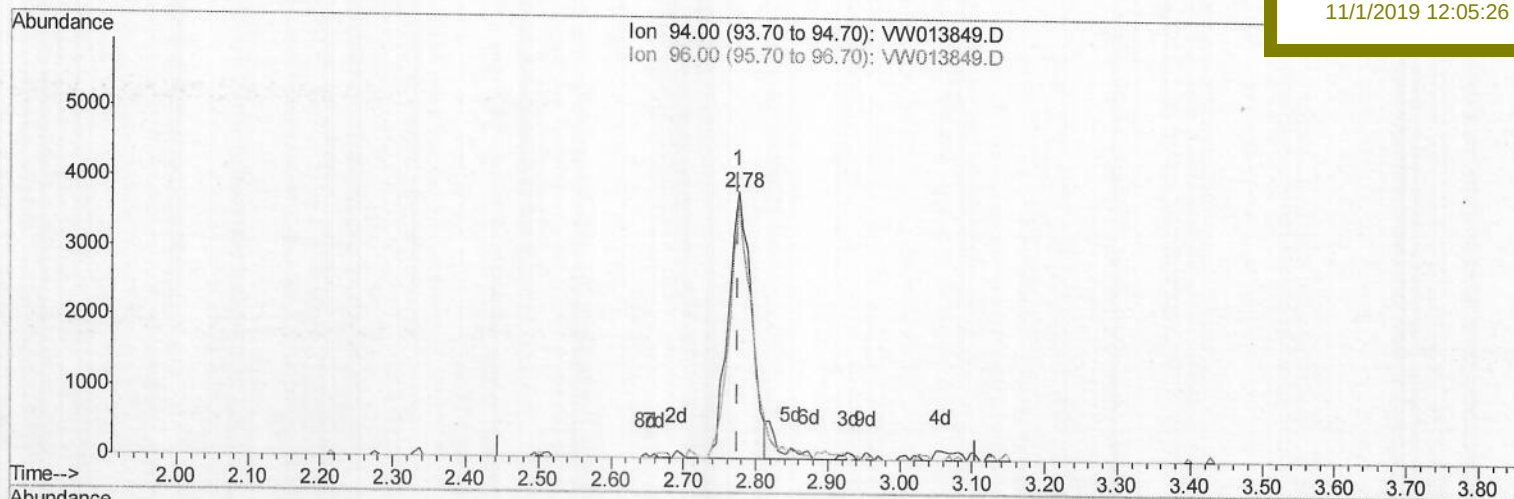
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Operator : SY/VA
Sample : VSTD2.504
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Manual Integrations
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(6) Bromomethane (T)

2.776min (+0.000) 2.50ug/L

response 8446

Ion	Exp%	Act%
94.00	100	100
96.00	93.30	94.64
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

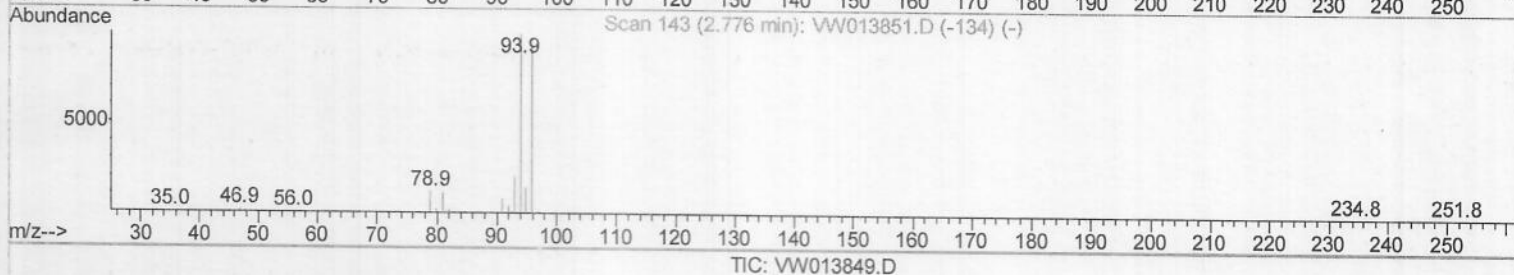
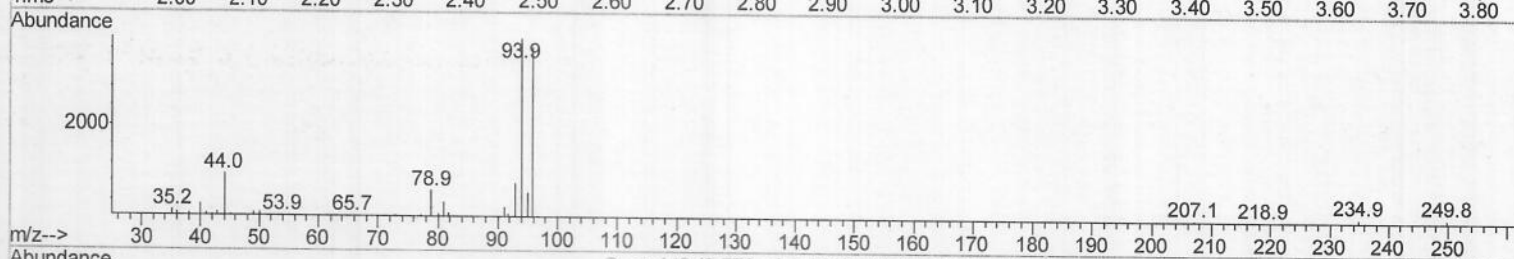
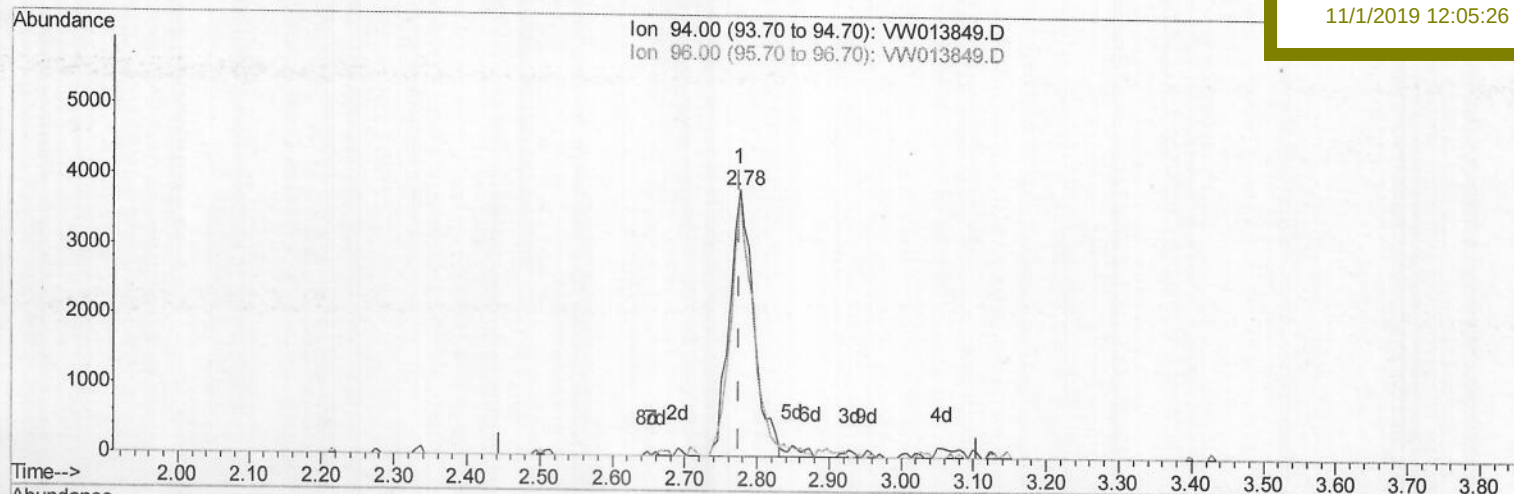
Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 12:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Manual Integrations
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MMDadoda
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(6) Bromomethane (T)

2.776min (+0.000) 2.61ug/L m

> 11/01/19 SY

response 8816

Ion	Exp%	Act%
94.00	100	100
96.00	93.30	90.66
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

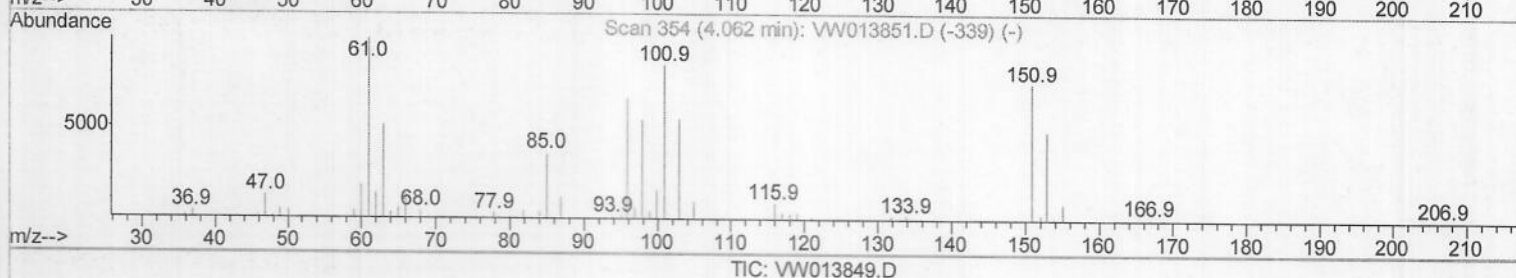
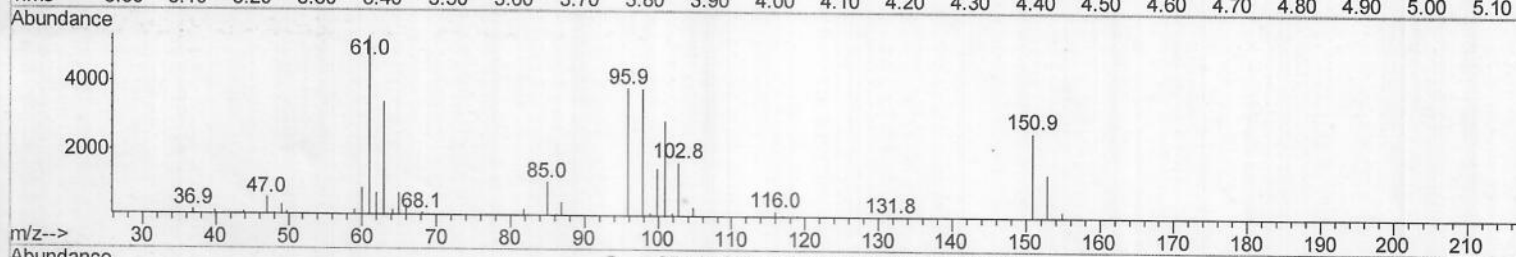
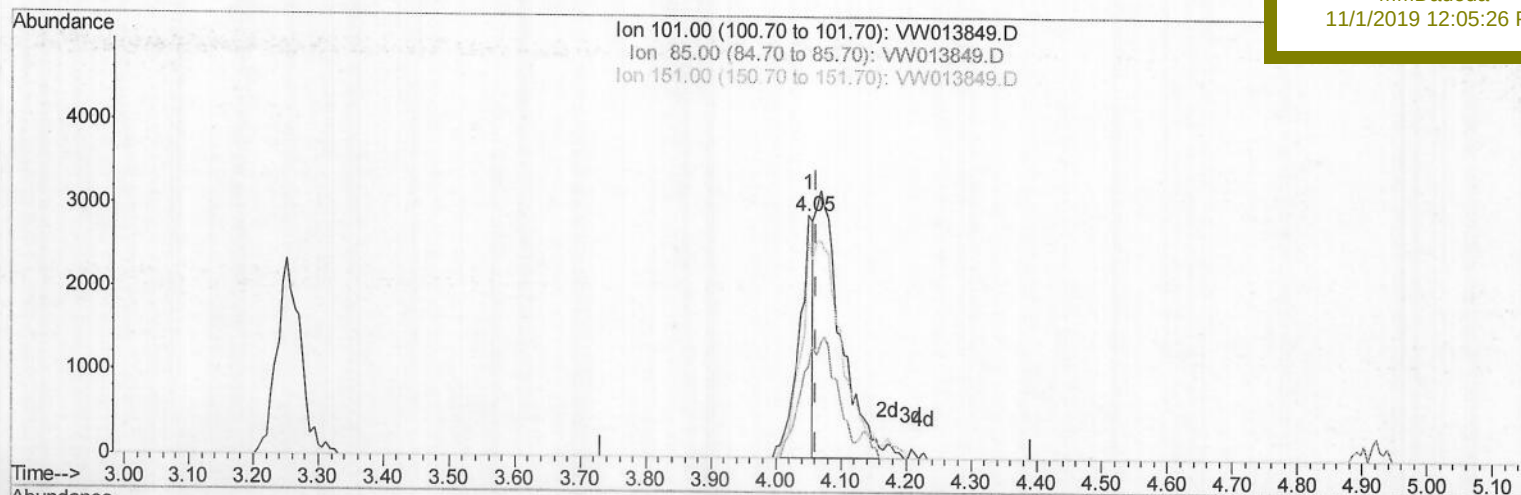
Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 12:05:11 2019
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Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampled :
VSTD2.504

Manual Integrations
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(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.050min (-0.012) 0.90ug/L

response 4483

Ion	Exp%	Act%
101.00	100	100
85.00	40.70	119.92#
151.00	85.30	81.44
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

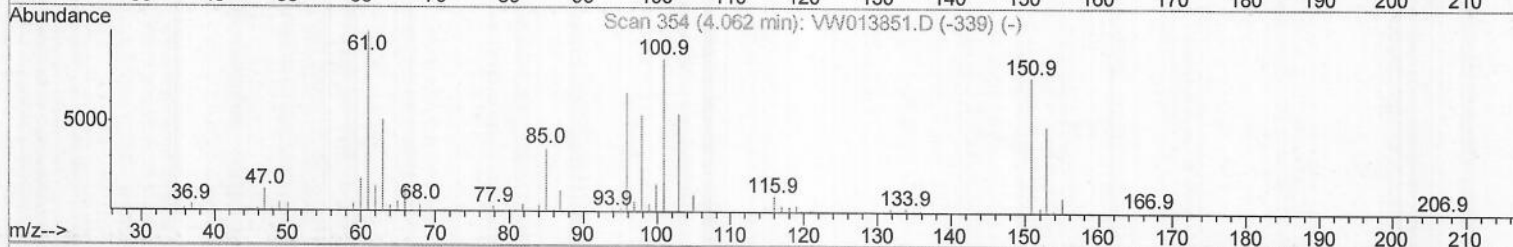
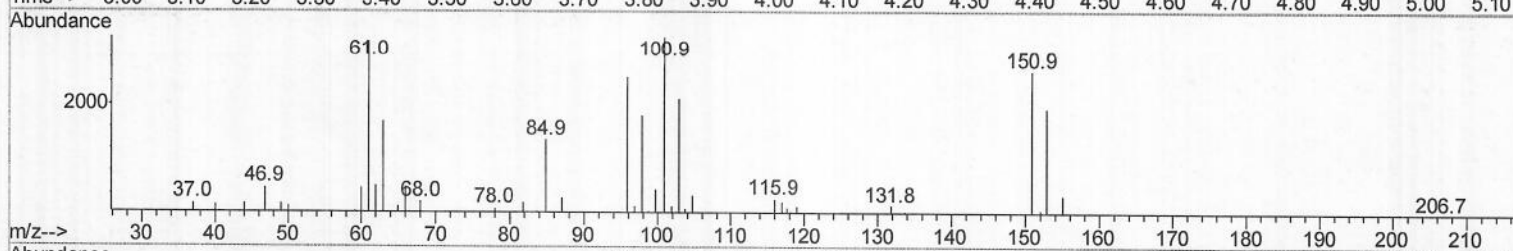
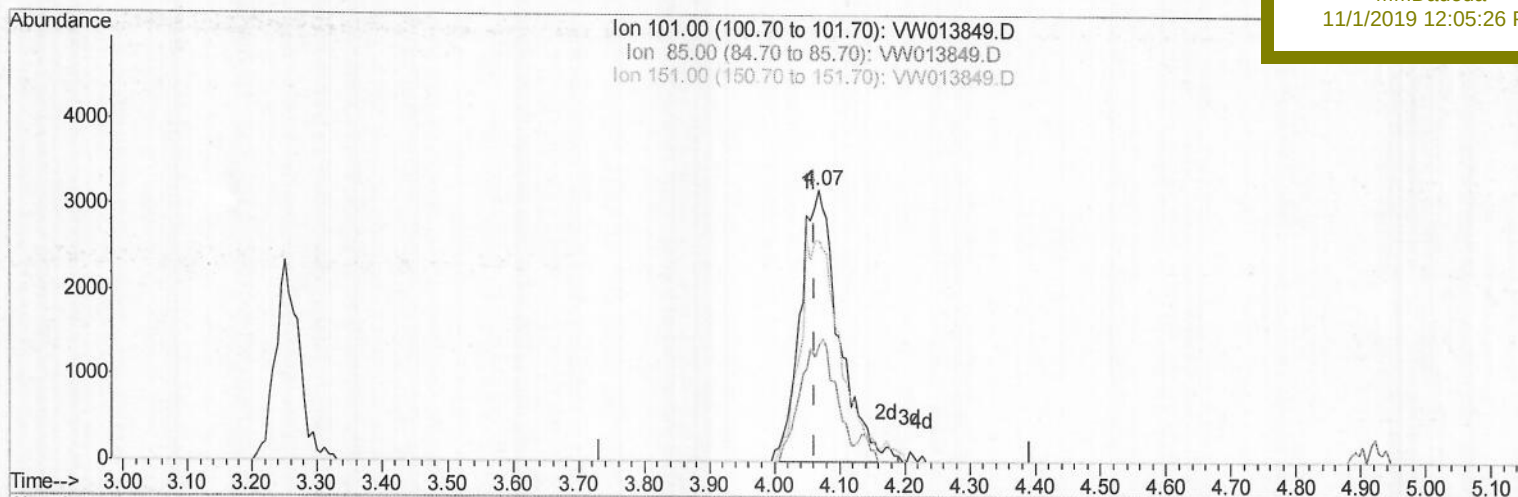
Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 12:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Manual Integrations
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TIC: VW013849.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.068min (+0.006) 2.66ug/L m

response 13208

Ion	Exp%	Act%
101.00	100	100
85.00	40.70	40.70
151.00	85.30	27.64#
0.00	0.00	0.00

> 11/01/19 SY

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

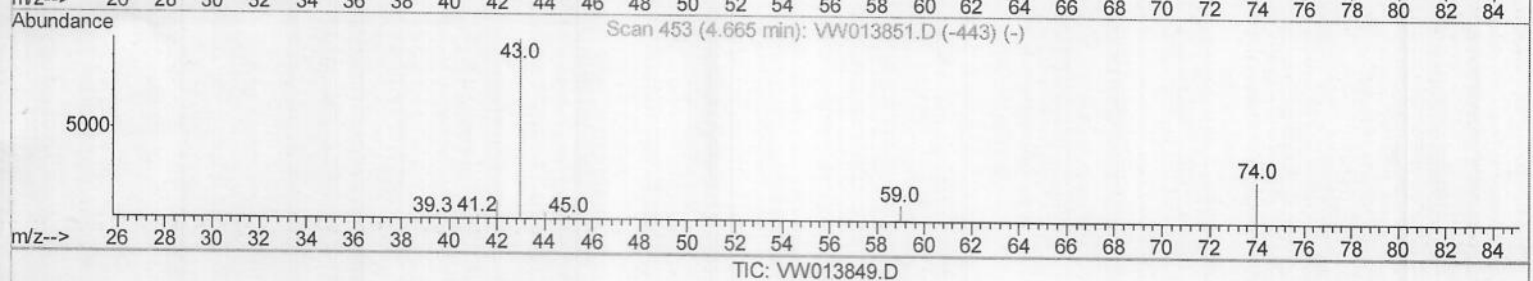
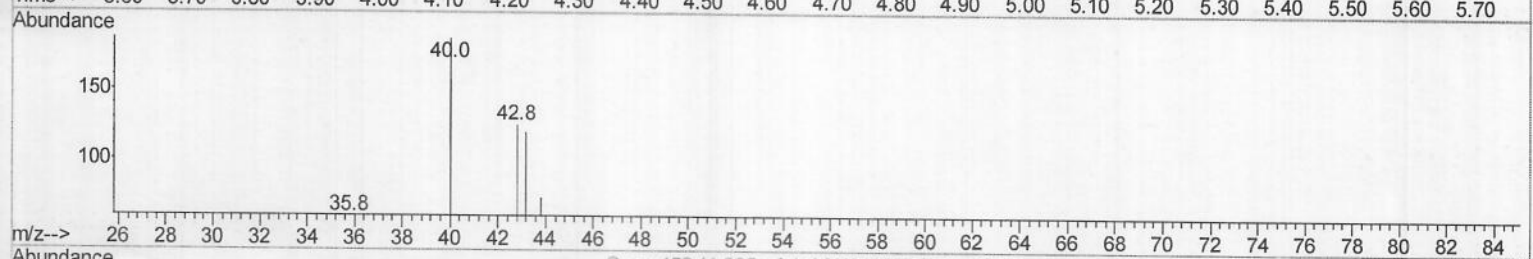
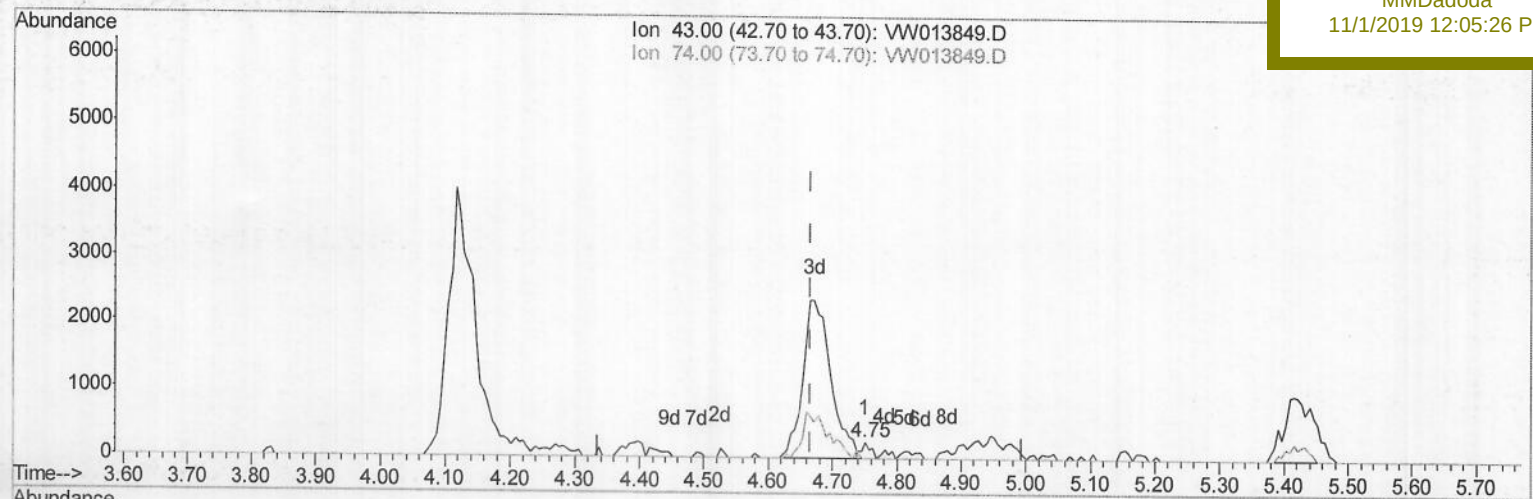
Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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Quant Title : VOC Analysis
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Instrument :
MSVOA_W
ClientSampled :
VSTD2.504

Manual Integrations
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11/1/2019 12:05:26 PM



(15) Methyl Acetate (T)

4.751min (+0.085) 0.09ug/L

response 232

Ion	Exp%	Act%
43.00	100	100
74.00	24.00	19.83
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

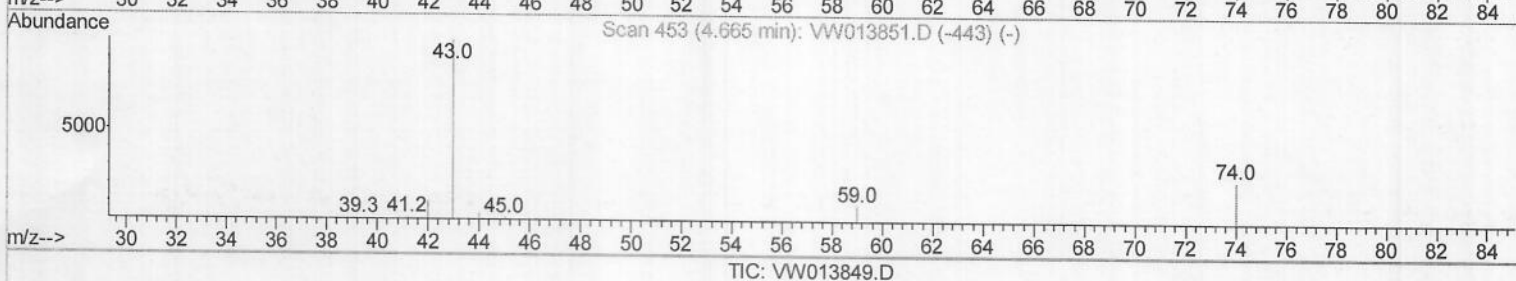
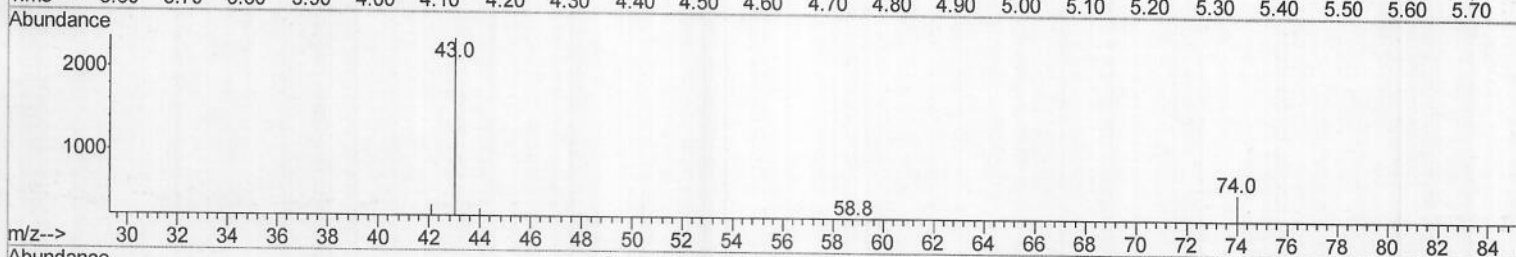
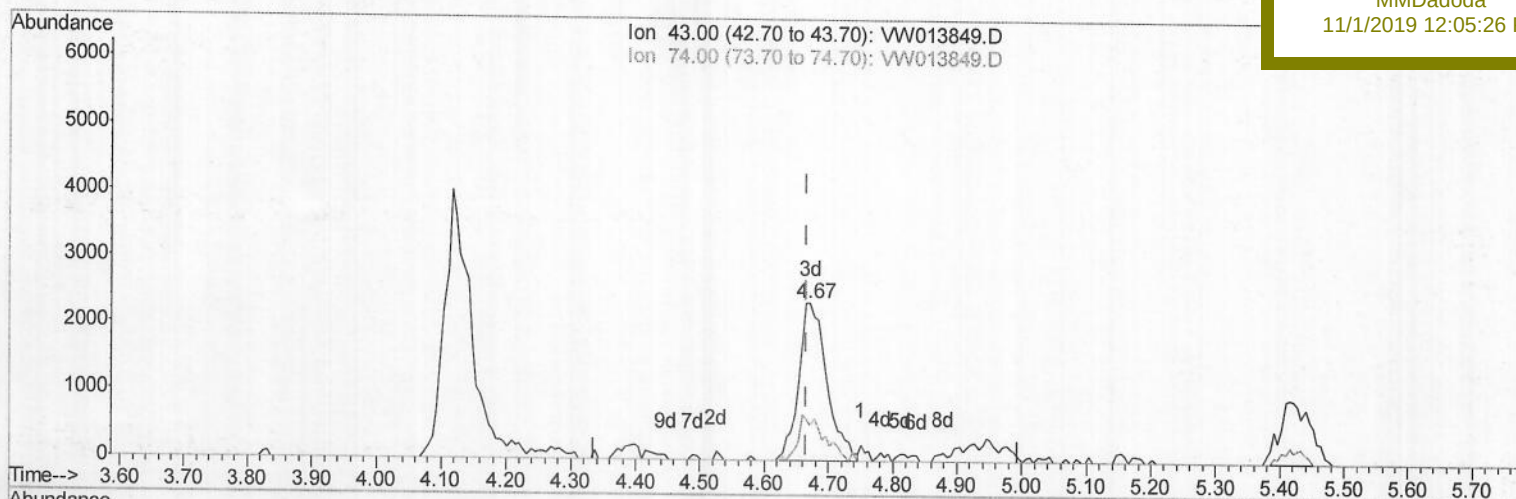
Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 12:05:11 2019
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Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Manual Integrations
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11/1/2019 12:05:26 PM



(15) Methyl Acetate (T)

4.672min (+0.006) 2.94ug/L m

response 7184

Ion	Exp%	Act%
43.00	100	100
74.00	24.00	0.64#
0.00	0.00	0.00
0.00	0.00	0.00

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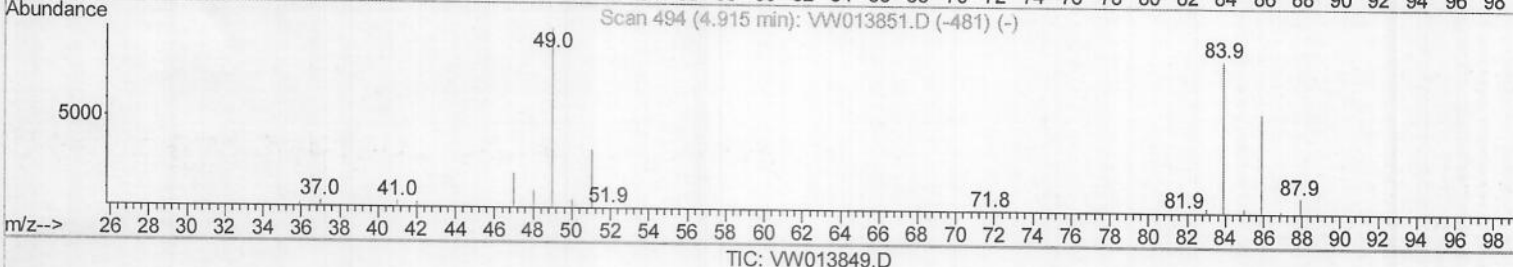
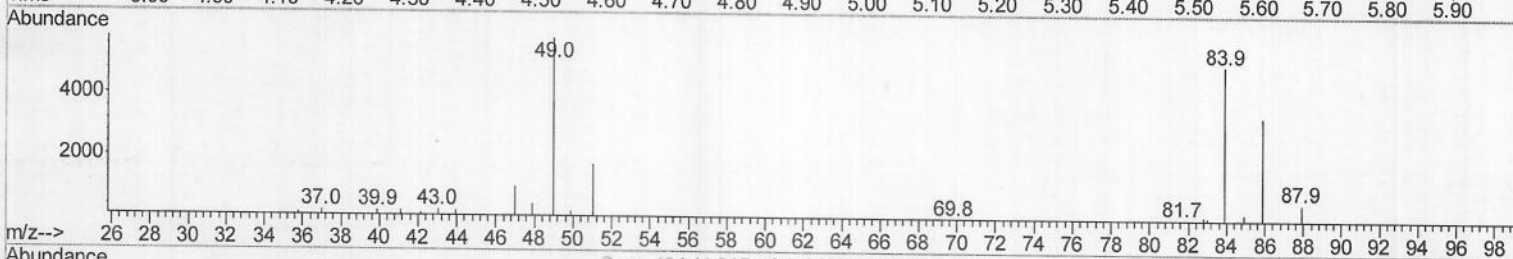
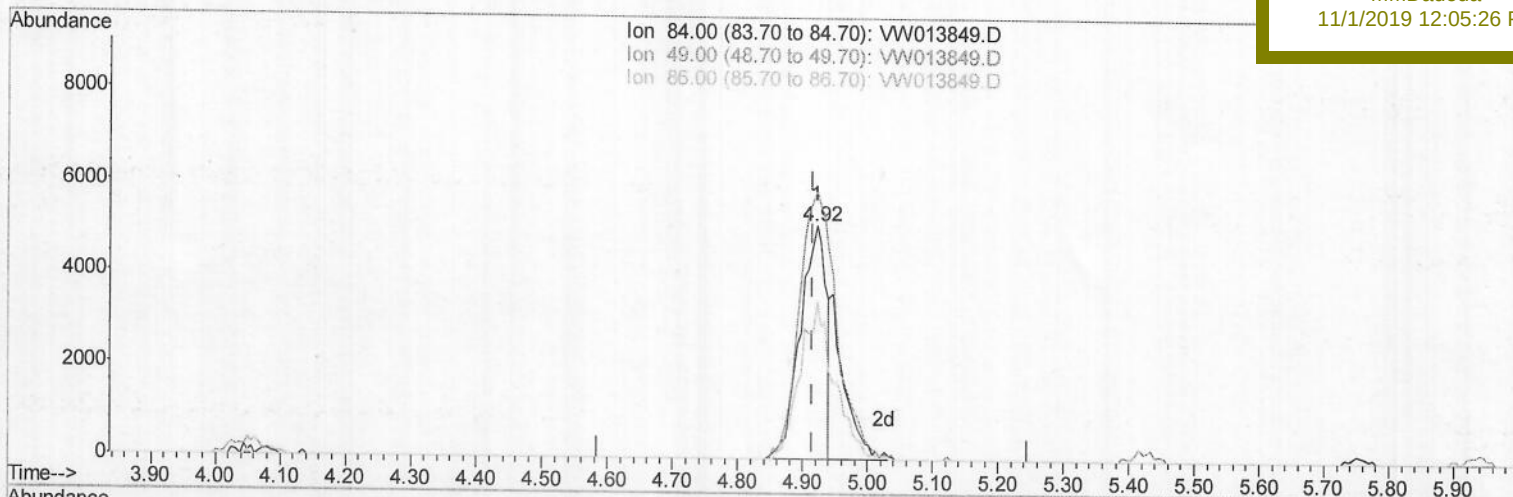
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Instrument :
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Client Sampled :
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Manual Integrations
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(16) Methylene chloride (T)

4.922min (+0.006) 2.41ug/L

response 14176

Ion	Exp%	Act%
84.00	100	100
49.00	117.40	114.95
86.00	65.20	67.59
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

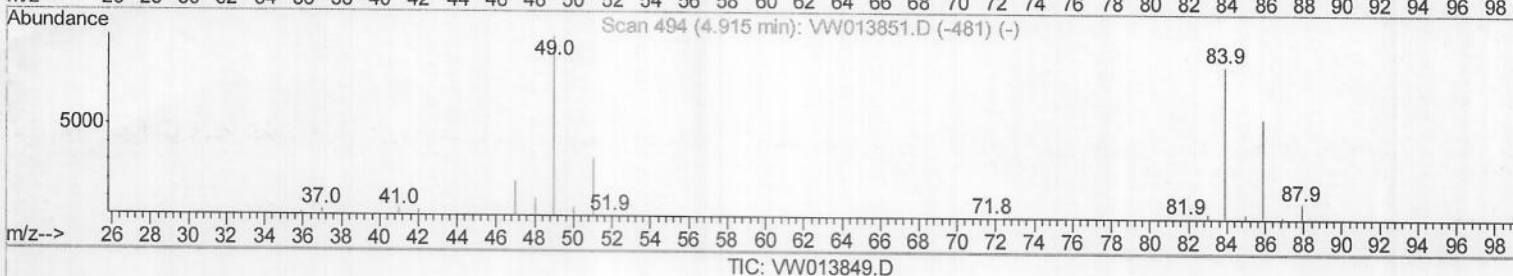
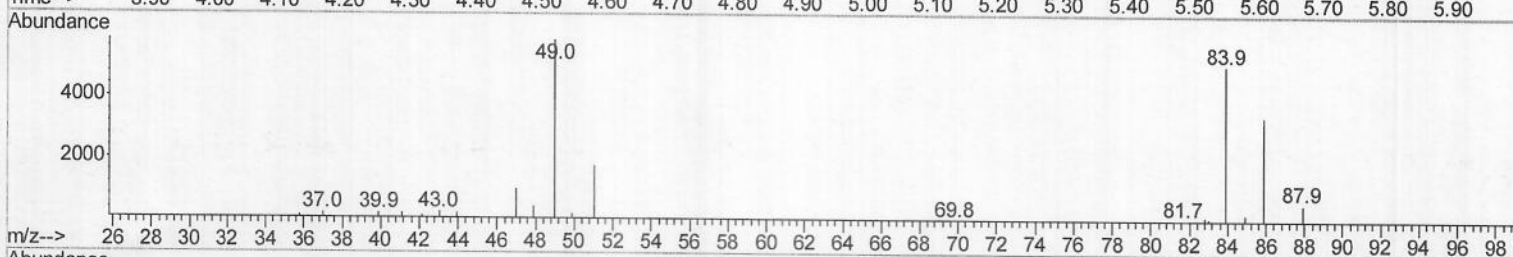
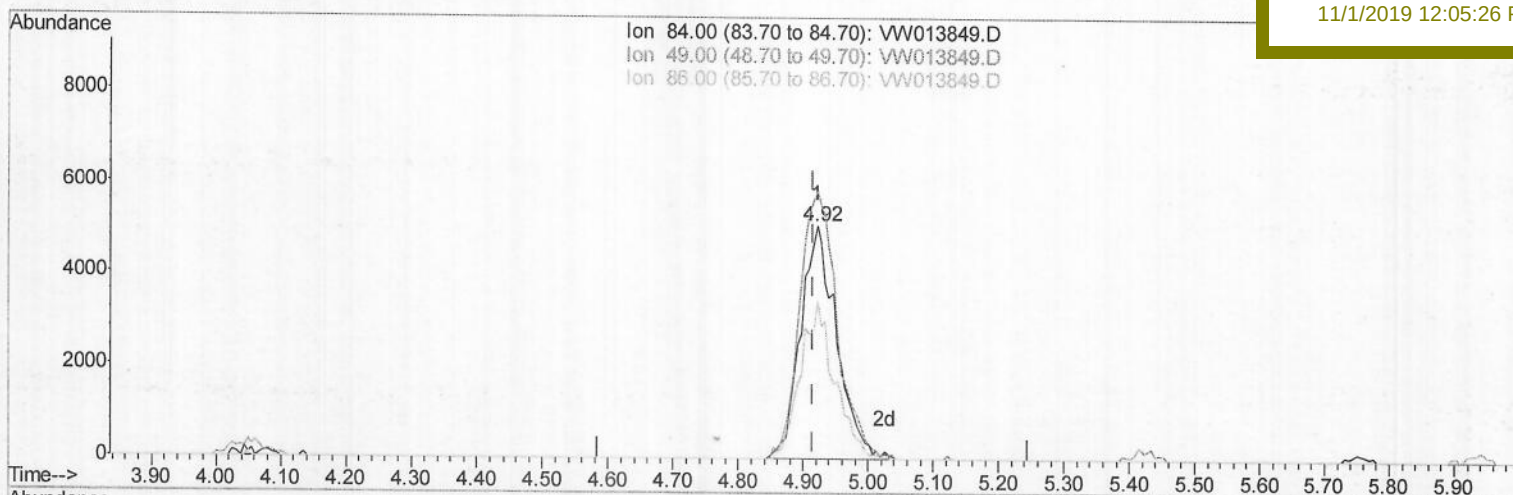
Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 12:05:11 2019
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Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Manual Integrations
APPROVED

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11/1/2019 12:05:26 PM



(16) Methylene chloride (T)

4.922min (+0.006) 3.30ug/L m

response 19409

Ion	Exp%	Act%
84.00	100	100
49.00	117.40	114.95
86.00	65.20	67.59
0.00	0.00	0.00

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (Qedit)

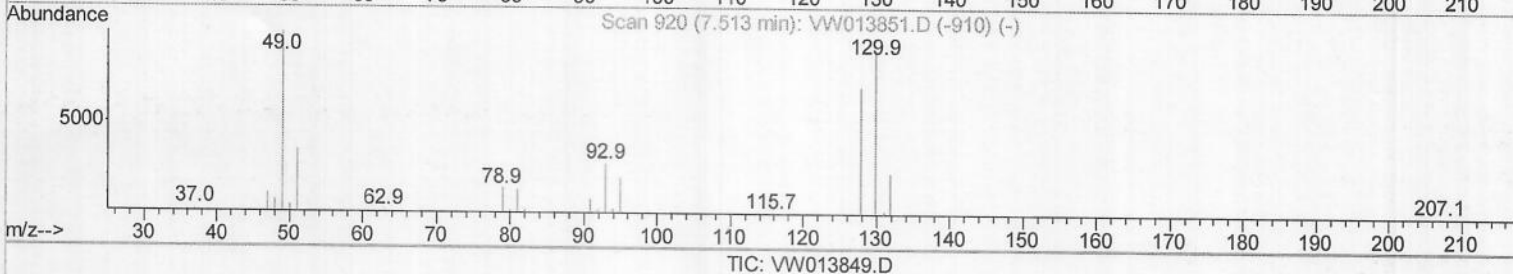
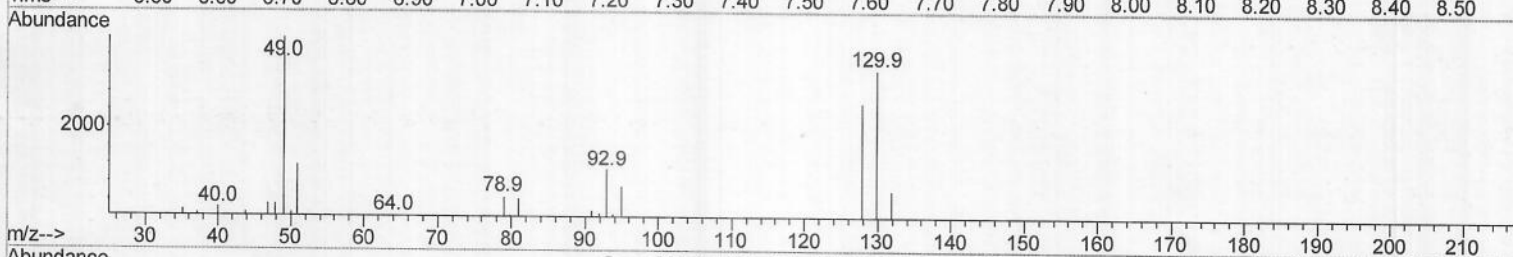
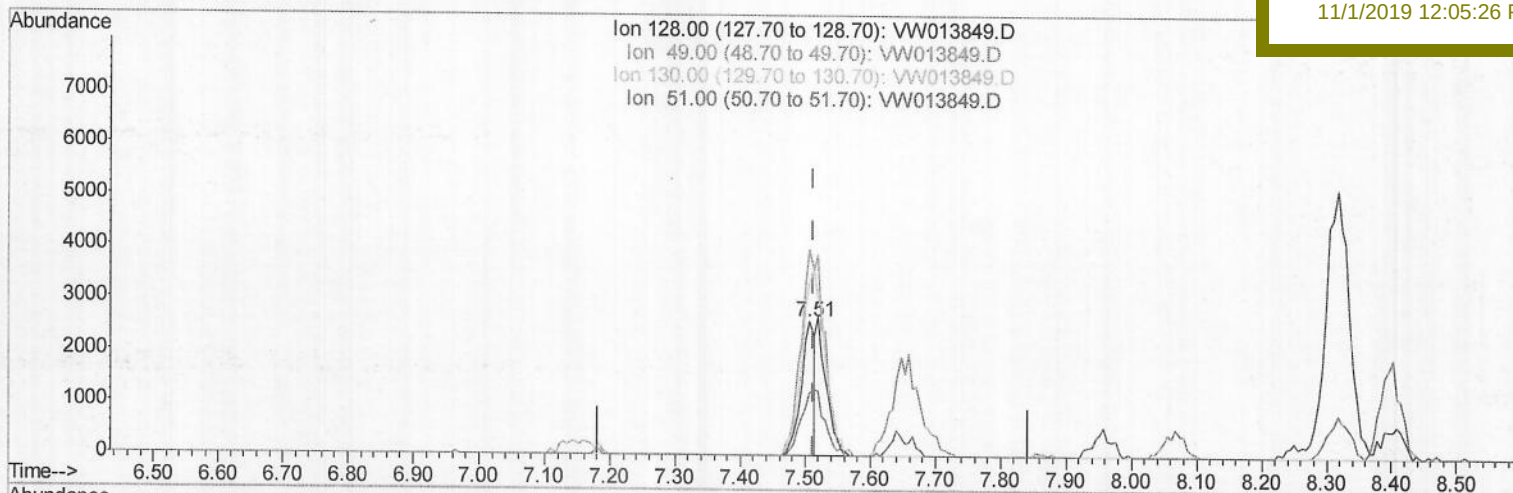
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Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
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Instrument :
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ClientSampleId :
VSTD2.504

Manual Integrations
APPROVED

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11/1/2019 12:05:26 PM



TIC: VW013849.D

(23) Bromochloromethane (T)

7.507min (-0.006) 1.39ug/L

response 3628

Ion	Exp%	Act%
128.00	100	100
49.00	141.60	153.66
130.00	126.80	127.80
51.00	49.50	45.99

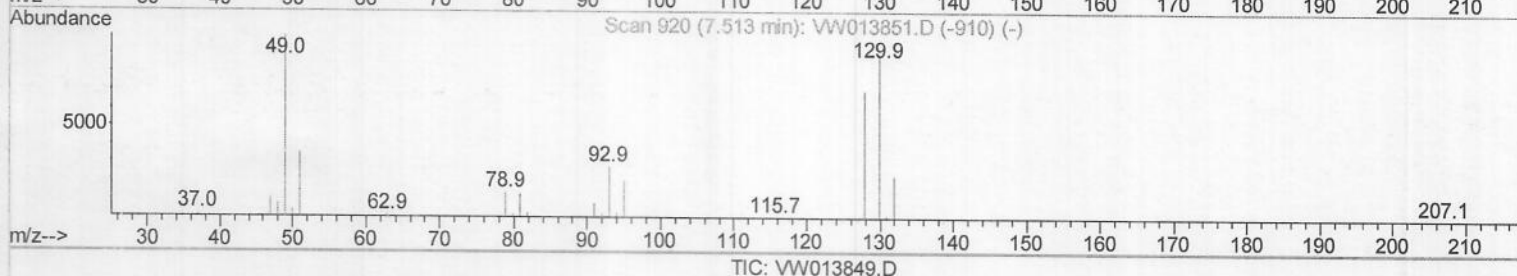
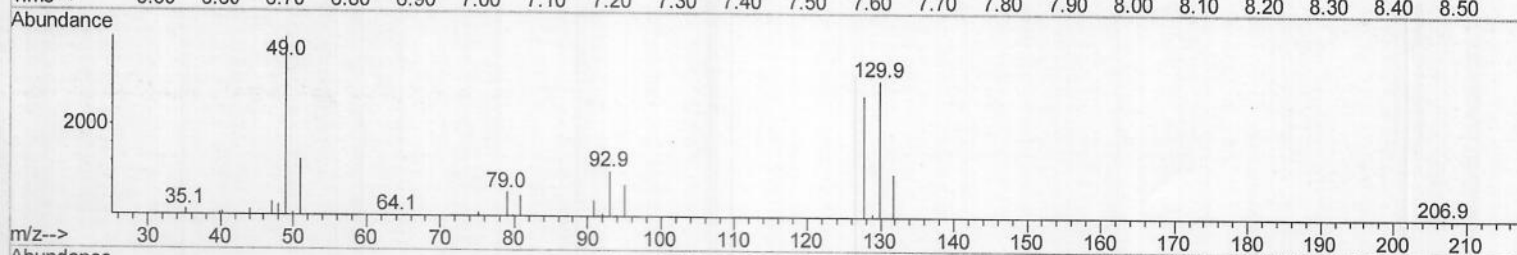
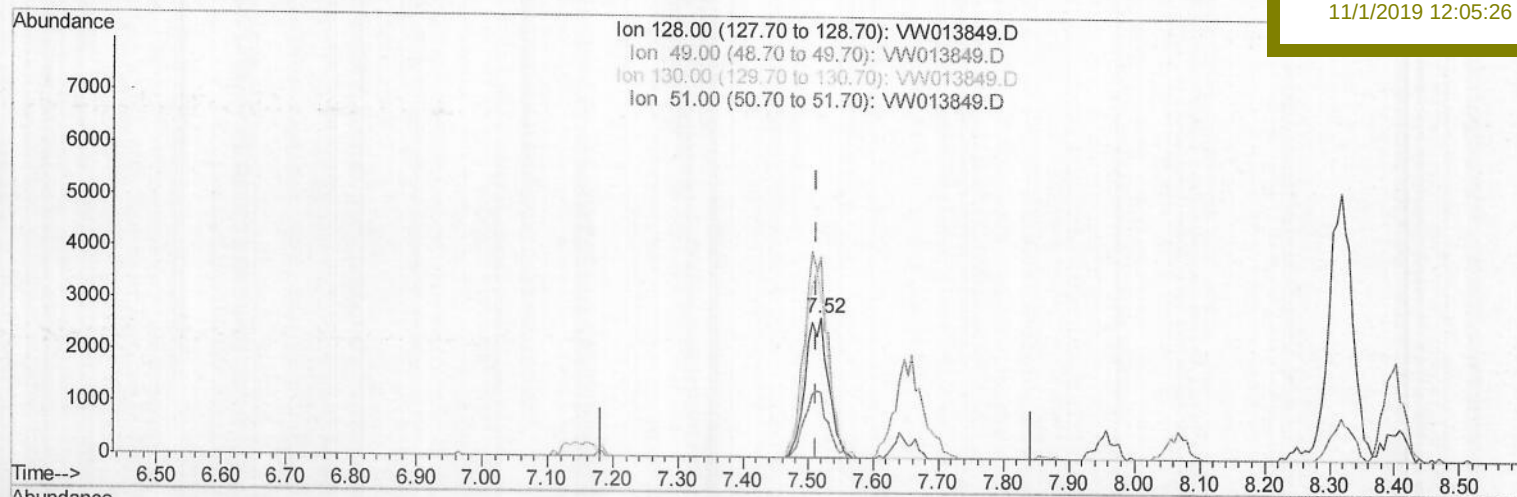
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Manual Integrations
APPROVED

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11/1/2019 12:05:26 PM



(23) Bromochloromethane (T)

7.519min (+0.006) 2.53ug/L m

response 6612

Ion	Exp%	Act%
128.00	100	100
49.00	141.60	144.88
130.00	126.80	111.73
51.00	49.50	46.60

7.519min (+0.006) 2.53ug/L m

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\

Quantitation Report (QT Reviewed)

Data File : VW013849.D

Acq On : 31 Oct 2019 10:36

Operator : SY/VA

Sample : VSTD2.504

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 12:08:46 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 31 12:00:18 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Manual Integrations

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	8.84	114	307123	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305135	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177275	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	12106	3.21	ug/L	0.00
7) Chloroethane-d5	2.89	69	8909	2.53	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	23637	2.84	ug/L	0.00
20) 2-Butanone-d5	7.09	46	7098	5.27	ug/L	0.02
24) Chloroform-d	7.65	84	23822	2.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	12974	2.89	ug/L	0.00
29) Benzene-d6	8.28	84	48209	2.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	14342	2.62	ug/L	0.00
37) Toluene-d8	10.32	98	45845	2.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6199	2.51	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5583	5.33	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12810	2.86	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	17075	2.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8483m	2.456 ug/L	
3) Chloromethane	2.21	50	9588	2.564 ug/L	85
5) Vinyl chloride	2.36	62	14051	3.007 ug/L	91
6) Bromomethane	2.78	94	8816m	2.611 ug/L	
8) Chloroethane	2.93	64	7645	2.421 ug/L	88
9) Trichlorofluoromethane	3.25	101	5772	1.833 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	13208m	2.663 ug/L	
12) 1,1-Dichloroethene	4.04	96	12762	2.615 ug/L	94
13) Acetone	4.12	43	11063	7.396 ug/L	100
14) Carbon disulfide	4.39	76	37313	2.672 ug/L	95
15) Methyl Acetate	4.67	43	7184m	2.939 ug/L	
16) Methylene chloride	4.92	84	19409m	3.300 ug/L	
17) Methyl tert-butyl Ether	5.43	73	15689	2.323 ug/L	# 88
18) trans-1,2-Dichloroethene	5.42	96	13453	2.493 ug/L	96
19) 1,1-Dichloroethane	6.22	63	23523	2.576 ug/L	92
21) 2-Butanone	7.18	43	13295	7.000 ug/L	# 73
22) cis-1,2-Dichloroethene	7.17	96	14171	2.447 ug/L	96
23) Bromochloromethane	7.52	128	6612m	2.526 ug/L	
25) Chloroform	7.68	83	24026	2.619 ug/L	99
27) 1,2-Dichloroethane	8.40	62	15159	2.578 ug/L	95
30) Cyclohexane	7.96	56	20654	2.310 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	17945	2.521 ug/L	97
32) Carbon tetrachloride	8.07	117	17302	2.497 ug/L	96
34) Benzene	8.32	78	53184	2.429 ug/L	100
35) Trichloroethene	9.09	95	14391	2.562 ug/L	98
36) Methylcyclohexane	9.34	83	22978	2.321 ug/L	97
40) 1,2-Dichloropropane	9.37	63	13336	2.491 ug/L	# 95
41) Bromodichloromethane	9.65	83	16061	2.449 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	18159	2.149 ug/L	90
43) 4-Methyl-2-pentanone	10.21	43	19861	5.438 ug/L	97

11/01/19 9

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103119\
Quantitation Report (QT Reviewed)

Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Quant Time: Oct 31 12:08:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
11/1/2019 12:05:26 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	55111	2.343	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	14618	2.143	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	10574	2.561	ug/L	92
47) Tetrachloroethene	10.86	164	12524	2.436	ug/L	97
49) 2-Hexanone	10.97	43	13490	5.206	ug/L	98
50) Dibromochloromethane	11.13	129	11351	2.330	ug/L	100
51) 1,2-Dibromoethane	11.23	107	10007	2.493	ug/L	92
52) Chlorobenzene	11.66	112	37640	2.501	ug/L	97
53) Ethylbenzene	11.73	91	60554	2.330	ug/L	98
54) m,p-Xylene	11.84	106	23829	2.373	ug/L	95
55) o-xylene	12.16	106	21418	2.247	ug/L	92
56) Styrene	12.18	104	36920	2.264	ug/L	100
57) Isopropylbenzene	12.46	105	58241	2.278	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	13074	2.702	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	10308	2.857	ug/L	99
62) Bromoform	12.35	173	7559	2.488	ug/L #	90
63) 1,3-Dichlorobenzene	13.50	146	28742	2.389	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	30432	2.518	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	27420	2.516	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	2059	2.749	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	21189	2.369	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	15240	2.007	ug/L	94
69) Naphthalene	15.37	128	26235	1.907	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	14599	2.147	ug/L	97

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