Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111518\

Quantitation Report (QT Reviewed)

Data File : VV008567.D
Acq On : 15 Nov 2018 11:34
Operator : SY/MD
Sample : VSTD00568
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 16 04:04:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Manual Integrations APPROVED
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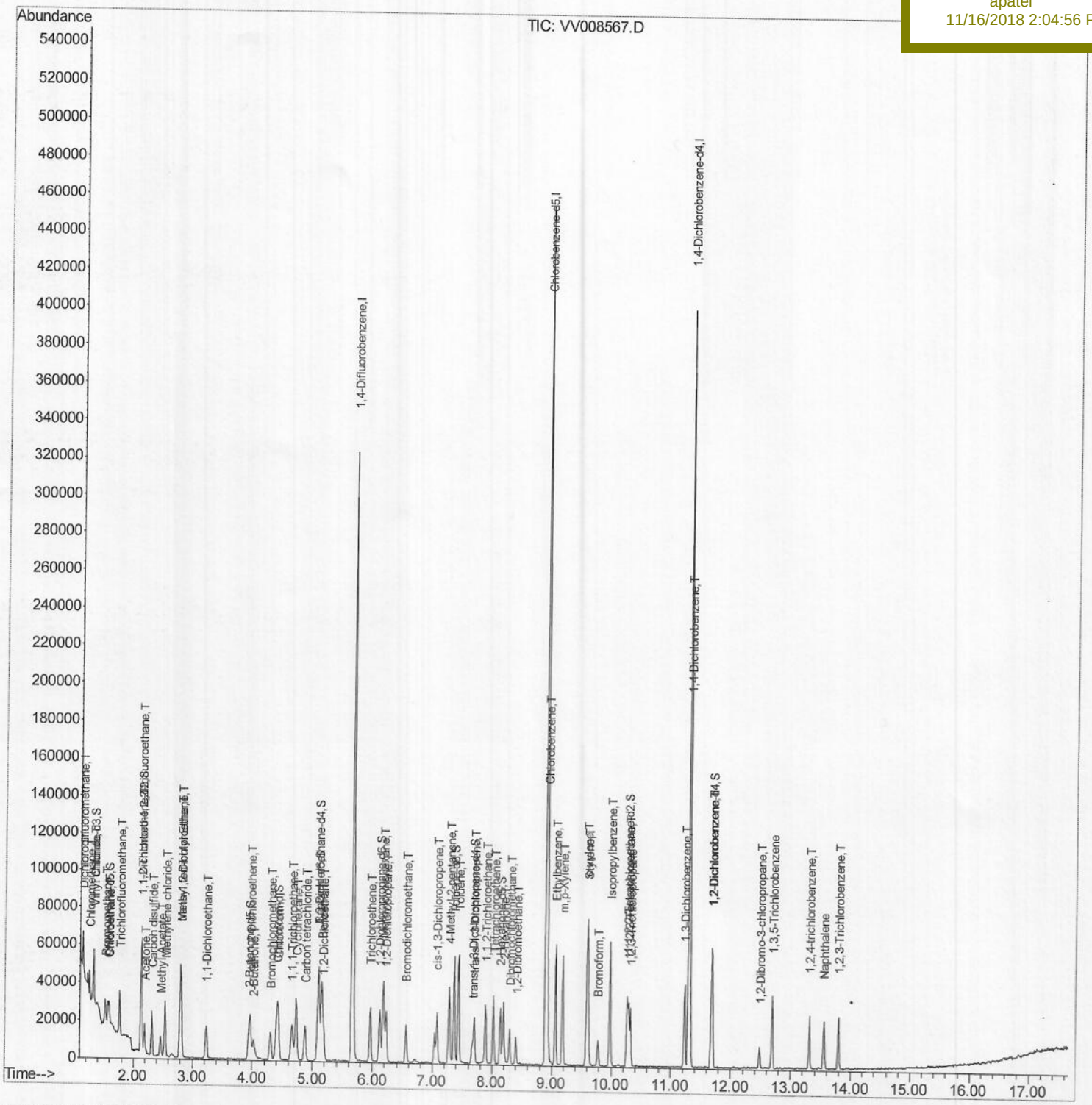

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111518\

Quantitation Report (Qedit)

Data File : VV008567.D
Acq On : 15 Nov 2018 11:34
Operator : SY/MD
Sample : VSTD00568
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 16 03:58:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations APPROVED
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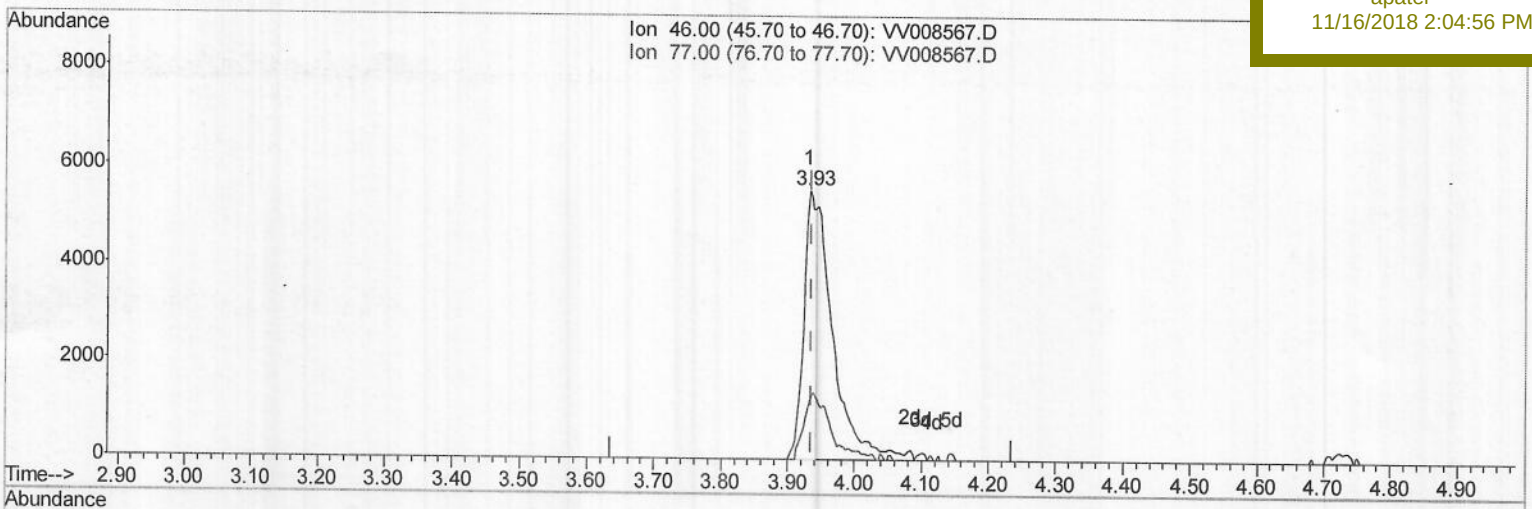

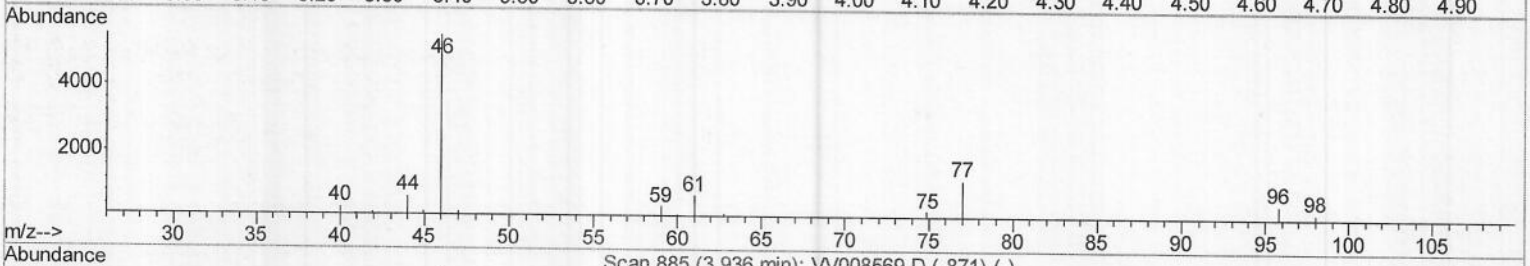

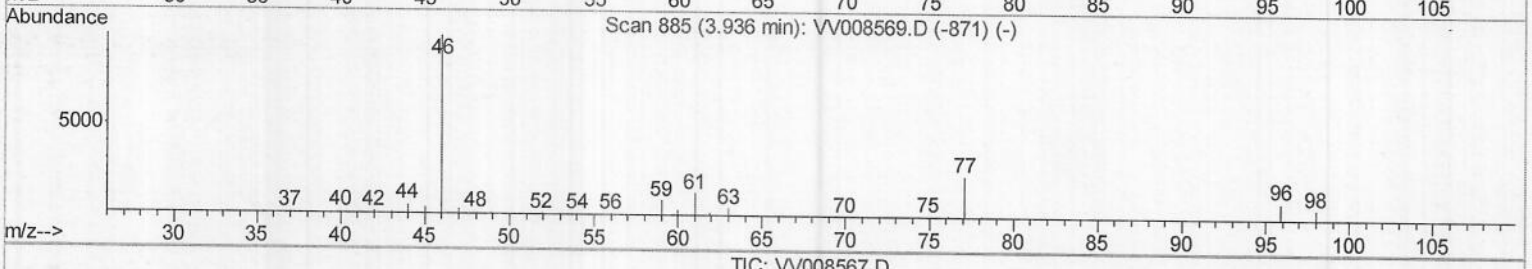

TIC: VV008567.D

(21) 2-Butanone-d5 (S)

3.933min (-0.003) 4.89ug/L

response 7170

Ion	Exp%	Act%
46.00	100	100
77.00	23.70	29.51
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111518\

Quantitation Report (Qedit)

Data File : VV008567.D
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Quant Time: Nov 16 03:58:13 2018
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Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Manual Integrations APPROVED
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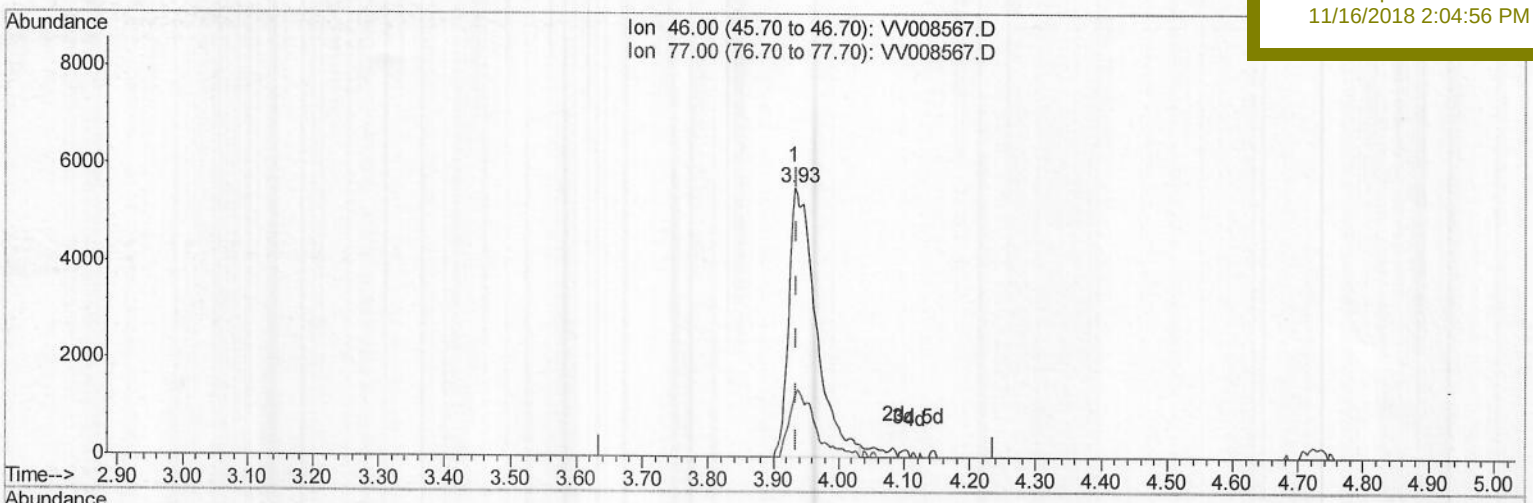

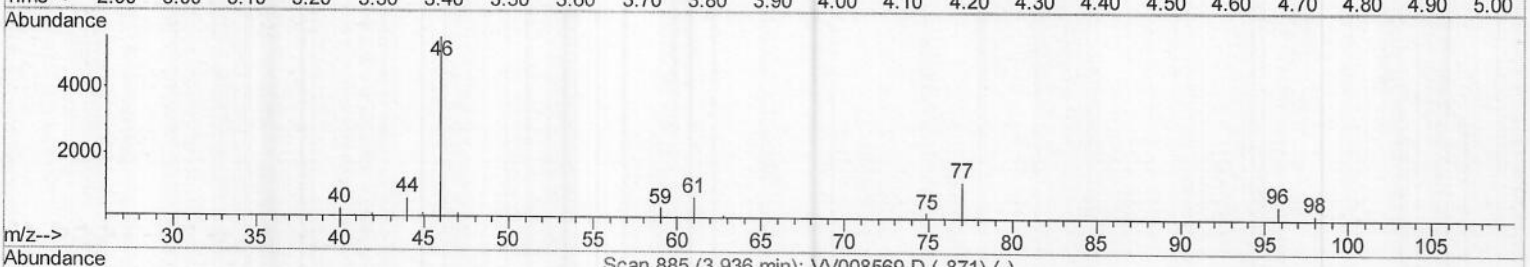

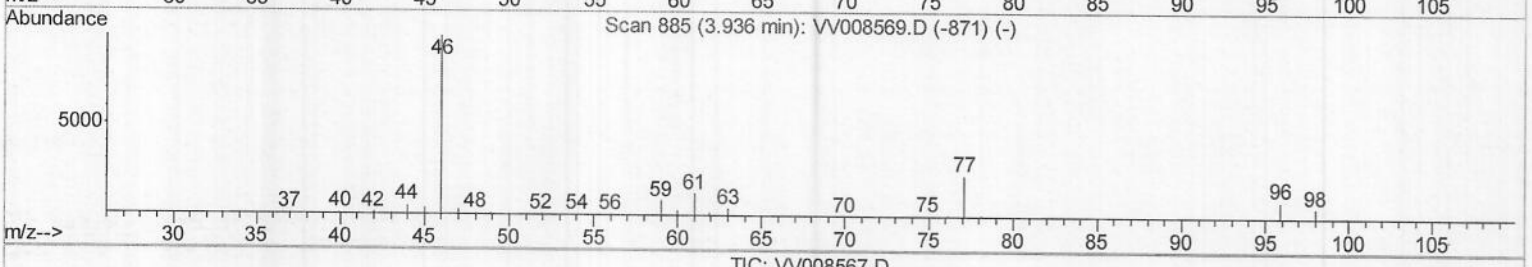

TIC: VV008567.D

(21) 2-Butanone-d5 (S)

3.933min (-0.003) 10.86ug/L m

response 15924

M.D 11/20/18

Ion	Exp%	Act%
46.00	100	100
77.00	23.70	13.29#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111518\

Quantitation Report (Qedit)

Data File : VV008567.D
Acq On : 15 Nov 2018 11:34
Operator : SY/MD
Sample : VSTD00568
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 16 03:58:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Manual Integrations APPROVED
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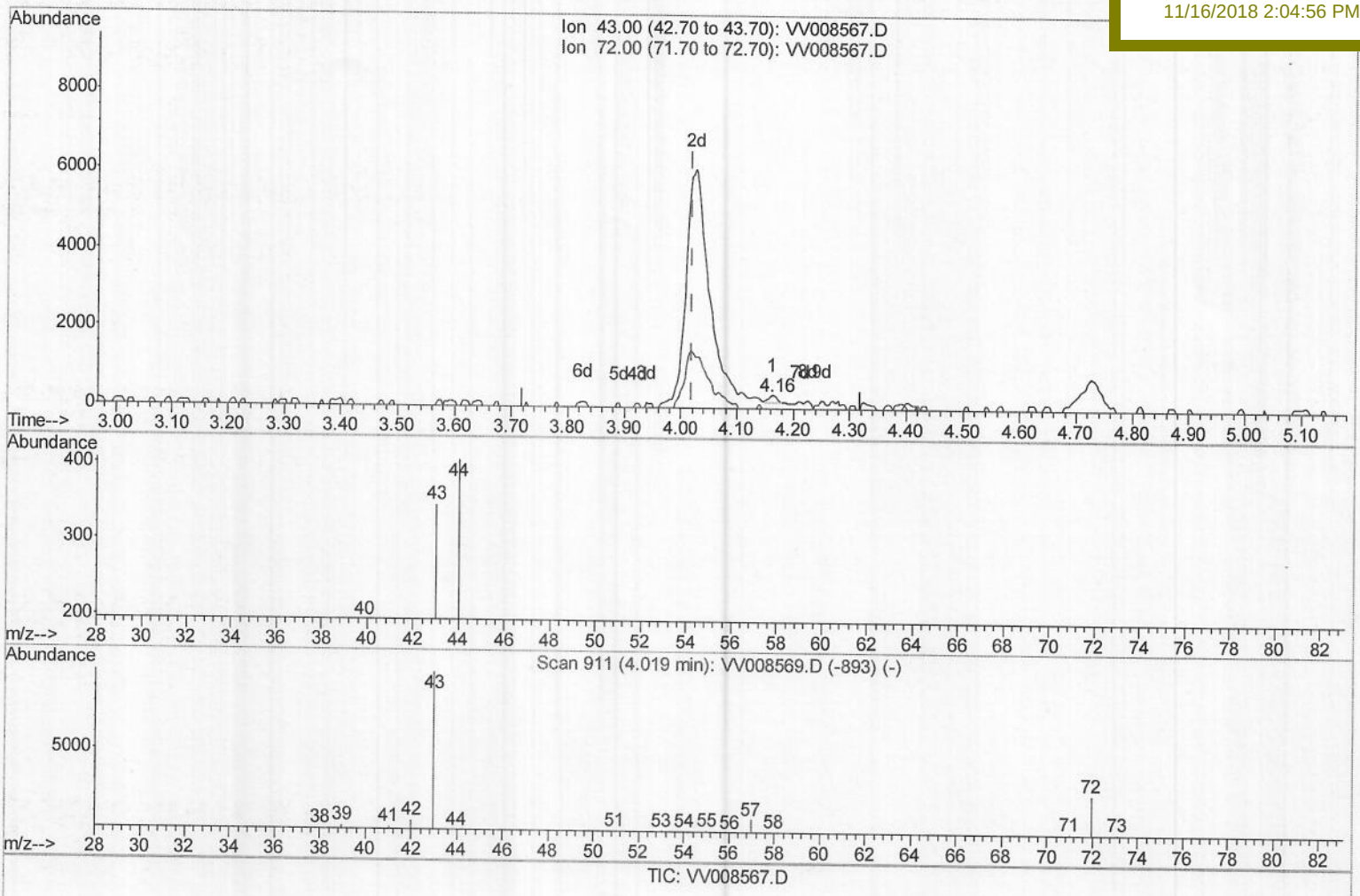

TIC: VV008567.D

(22) 2-Butanone (T)

4.164min (+0.145) 0.11ug/L

response 201

Ion	Exp%	Act%
43.00	100	100
72.00	24.90	21.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111518\

Quantitation Report (Qedit)

Data File : VV008567.D
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Operator : SY/MD
Sample : VSTD00568
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 16 03:58:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Manual Integrations APPROVED
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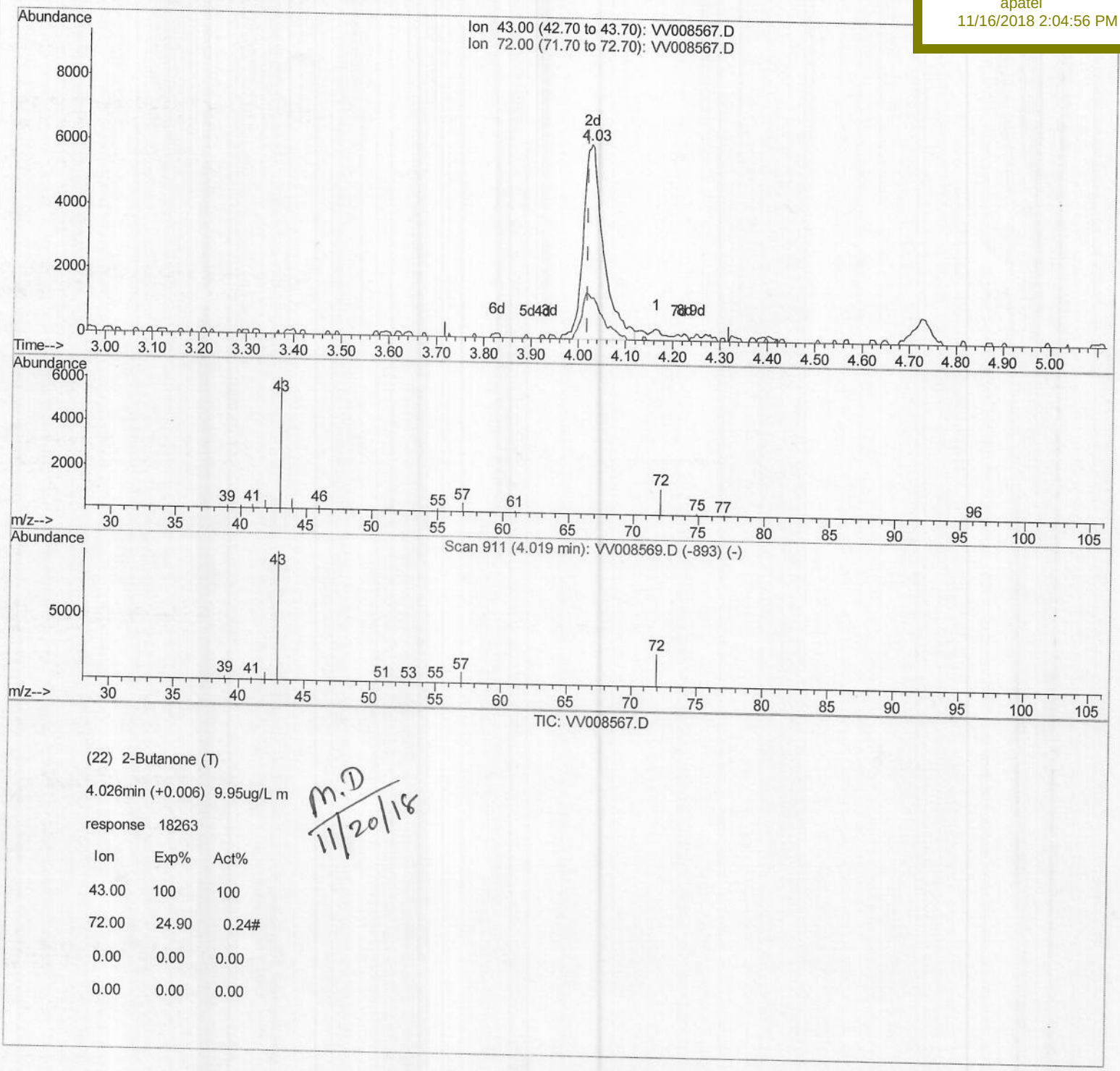

TIC: VV008567.D

(22) 2-Butanone (T)

4.026min (+0.006) 9.95ug/L m

response 18263

Ion	Exp%	Act%
43.00	100	100
72.00	24.90	0.24#
0.00	0.00	0.00
0.00	0.00	0.00

M.D 11/20/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111518\

Quantitation Report (Qedit)

Data File : VV008567.D
Acq On : 15 Nov 2018 11:34
Operator : SY/MD
Sample : VSTD00568
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 16 03:58:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Manual Integrations APPROVED
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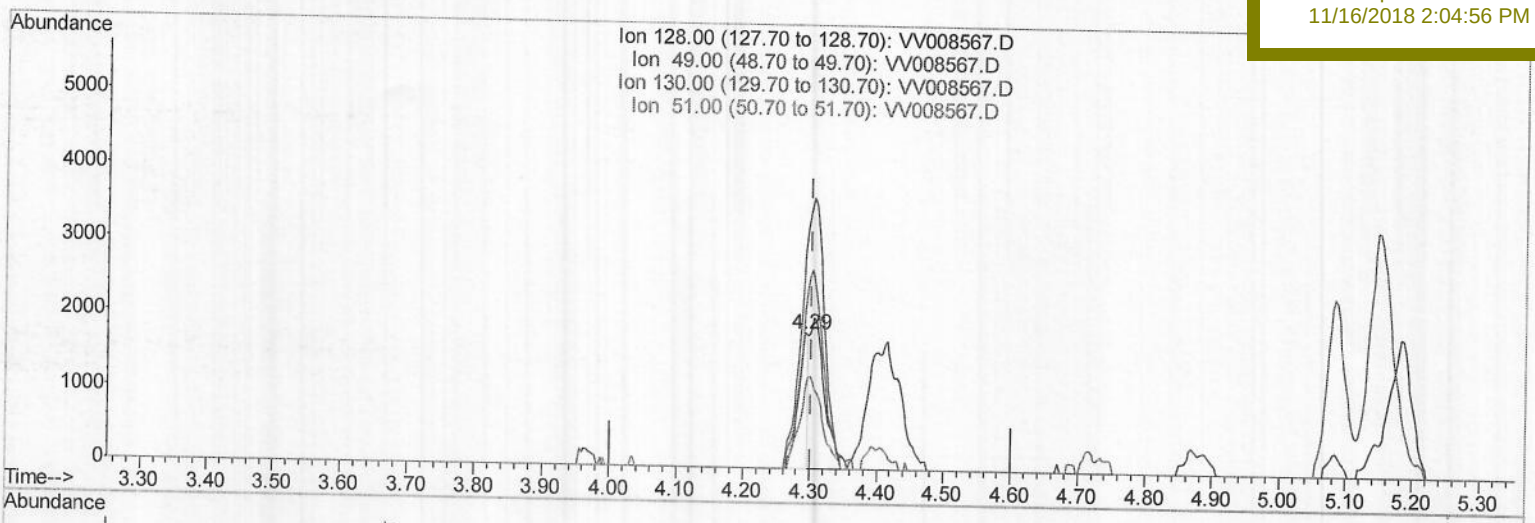

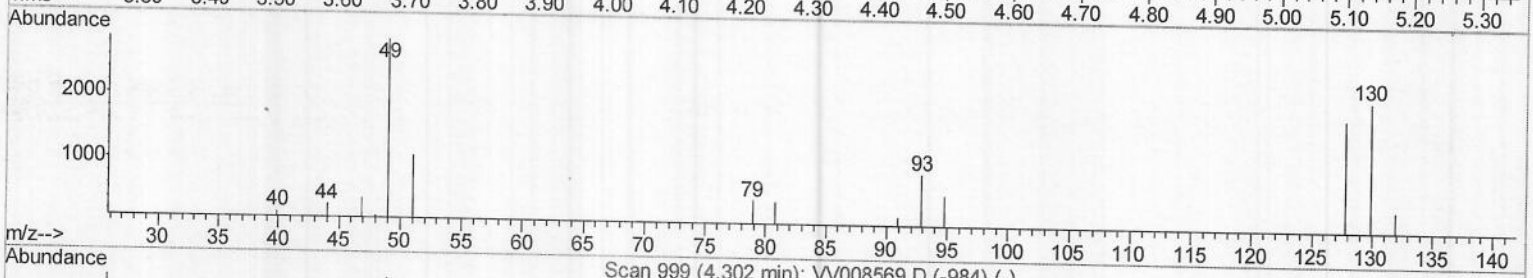

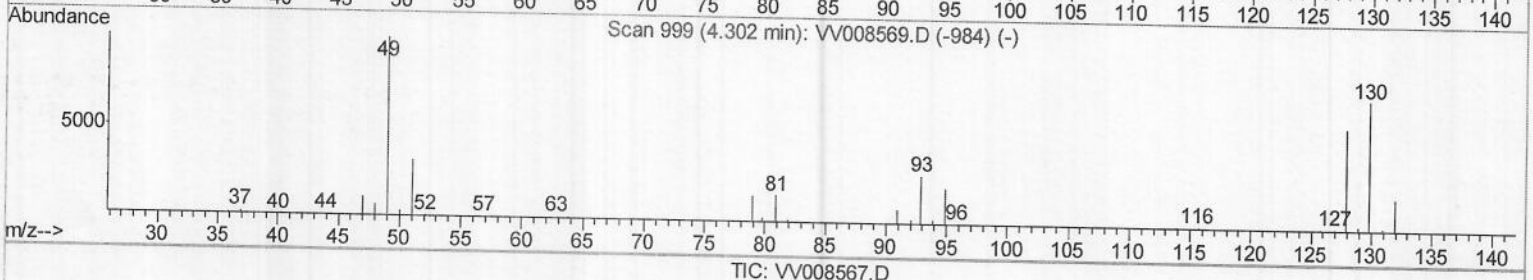

TIC: VV008567.D

(23) Bromochloromethane (T)

4.293min (-0.010) 1.81ug/L

response 1808

Ion	Exp%	Act%
128.00	100	100
49.00	175.50	158.55
130.00	128.50	115.83
51.00	55.40	58.77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111518\

Quantitation Report (Qedit)

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Acq On : 15 Nov 2018 11:34
Operator : SY/MD
Sample : VSTD00568
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 16 03:58:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Manual Integrations APPROVED
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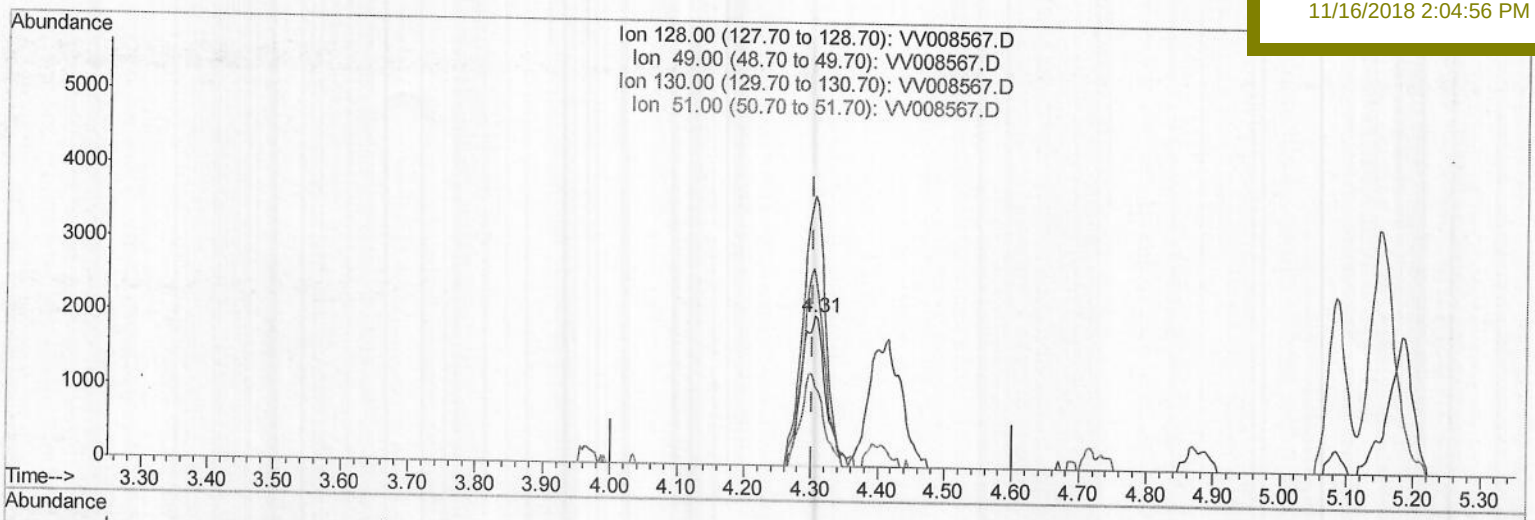

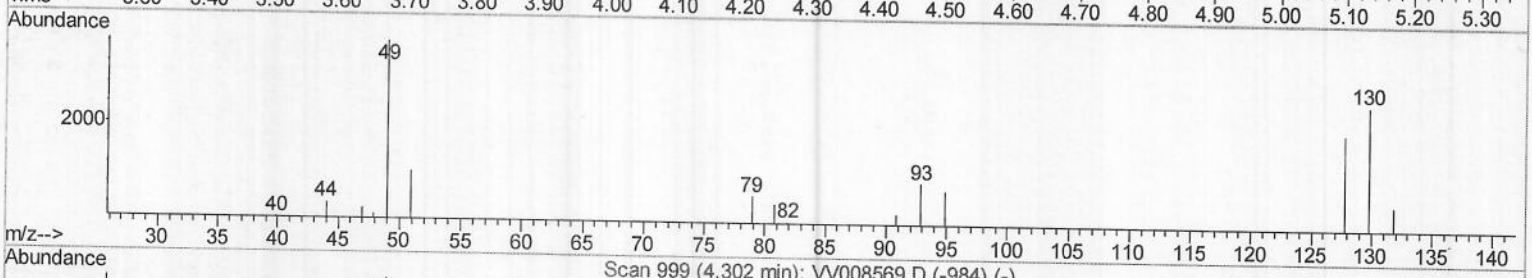

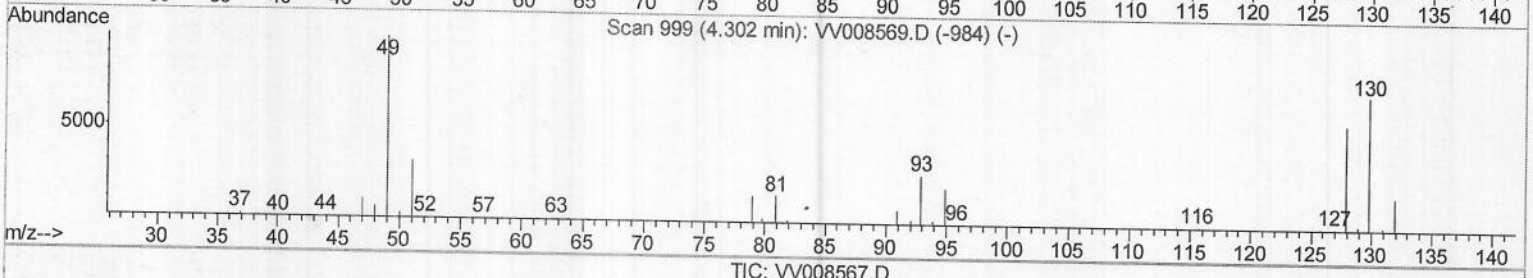

TIC: VV008567.D

(23) Bromochloromethane (T)

4.306min (+0.003) 4.96ug/L m

response 4956

M.D 11/20/18

Ion	Exp%	Act%
128.00	100	100
49.00	175.50	180.72
130.00	128.50	128.25
51.00	55.40	53.37

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111518\

Quantitation Report (QT Reviewed)

Data File : VV008567.D
Acq On : 15 Nov 2018 11:34
Operator : SY/MD
Sample : VSTD00568
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 16 04:04:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Instrument : MSVOA_V
ClientSampleId : VSTD00568

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	269891	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239106	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98058	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	9662	8.92	ug/L	0.00
7) Chloroethane-d5	1.57	69	6986	8.25	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	16634	7.37	ug/L	0.00
21) 2-Butanone-d5	3.93	46	15924m	10.86	ug/L	0.00
24) Chloroform-d	4.40	84	20767	6.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	13806	6.98	ug/L	0.00
32) Benzene-d6	5.10	84	41748	7.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	13828	7.43	ug/L	0.00
41) Toluene-d8	7.36	98	35997	7.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5884	6.81	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	10355	10.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	16462	6.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	12455	7.02	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	11183	5.322	ug/L	98
3) Chloromethane	1.25	50	10141	4.837	ug/L	95
5) Vinyl chloride	1.32	62	9250	4.809	ug/L	98
6) Bromomethane	1.52	94	2903	4.968	ug/L	95
8) Chloroethane	1.59	64	5341	5.158	ug/L	97
9) Trichlorofluoromethane	1.77	101	13189	5.204	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7759	5.558	ug/L	96
12) 1,1-Dichloroethene	2.14	96	6607	5.090	ug/L	96
13) Acetone	2.19	43	13173	9.862	ug/L	99
14) Carbon disulfide	2.32	76	26283	4.920	ug/L	98
15) Methyl Acetate	2.46	43	11612	4.760	ug/L	99
16) Methylene chloride	2.54	84	11537	5.674	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	9592	5.177	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	32034	5.029	ug/L	98
19) 1,1-Dichloroethane	3.23	63	17927	4.893	ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	10352	4.874	ug/L	87
22) 2-Butanone	4.03	43	18263m	9.945	ug/L	
23) Bromochloromethane	4.31	128	4956m	4.962	ug/L	
25) Chloroform	4.43	83	23706	6.387	ug/L	100
27) 1,2-Dichloroethane	5.18	62	14983	5.092	ug/L	99
29) Cyclohexane	4.72	56	18280	5.525	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	15425	5.014	ug/L	99
31) Carbon tetrachloride	4.88	117	13077	5.044	ug/L	97
33) Benzene	5.15	78	39051	5.221	ug/L	100
34) Trichloroethene	5.96	95	10847	5.612	ug/L	97
35) Methylcyclohexane	6.18	83	17608	5.496	ug/L	98
37) 1,2-Dichloropropane	6.23	63	10452	5.116	ug/L	98
38) Bromodichloromethane	6.56	83	13109	5.114	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	14974	4.903	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	27622	9.359	ug/L	97

M.D 11/20/18

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Quantitation Report (QT Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Instrument : MSVOA_V
ClientSampleId : VSTD00568

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Toluene	7.43	91	40861	5.203	ug/L		99
44) trans-1,3-Dichloropropene	7.70	75	13680	4.867	ug/L		99
45) 1,1,2-Trichloroethane	7.88	97	9524	5.188	ug/L		99
46) Tetrachloroethene	8.02	164	7294	5.275	ug/L		94
48) 2-Hexanone	8.19	43	21273	9.477	ug/L		95
49) Dibromochloromethane	8.29	129	9107	4.780	ug/L		93
50) 1,2-Dibromoethane	8.40	107	9371	4.883	ug/L	#	91
51) Chlorobenzene	8.93	112	25601	5.178	ug/L		99
52) Ethylbenzene	9.06	91	43889	5.040	ug/L		99
53) m,p-Xylene	9.18	106	15880	4.984	ug/L		98
54) o-xylene	9.59	106	15922	4.983	ug/L		91
55) Styrene	9.61	104	24179	4.640	ug/L		98
56) Isopropylbenzene	9.98	105	40625	4.865	ug/L		98
58) 1,1,2,2-Tetrachloroethane	10.29	83	15106	4.998	ug/L		99
59) 1,2,3-Trichloropropane	10.32	75	12547	4.928	ug/L		100
61) Bromoform	9.78	173	5826	4.927	ug/L	#	96
62) 1,3-Dichlorobenzene	11.23	146	16720	5.138	ug/L		99
63) 1,4-Dichlorobenzene	11.32	146	17104	5.297	ug/L		97
65) 1,2-Dichlorobenzene	11.69	146	17419	5.273	ug/L		95
66) 1,2-Dibromo-3-chloropropan	12.48	75	3183	5.263	ug/L		95
67) 1,3,5-Trichlorobenzene	12.69	180	11366	5.304	ug/L		98
68) 1,2,4-trichlorobenzene	13.31	180	7673	4.602	ug/L		99
69) Naphthalene	13.56	128	19368	3.846	ug/L		98
70) 1,2,3-Trichlorobenzene	13.80	180	7796	4.617	ug/L		98

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