

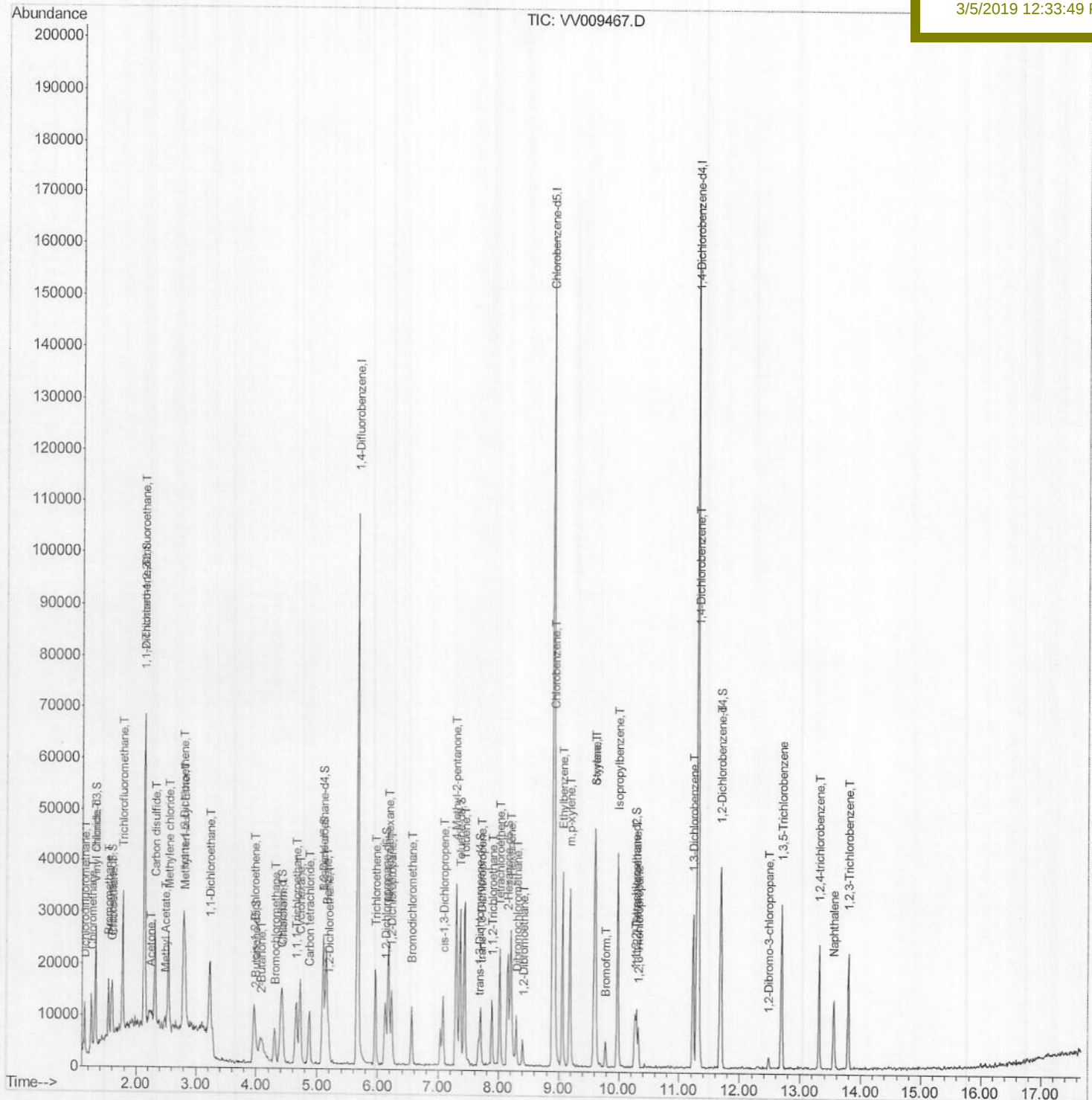
Data File : VV009467.D
Acq On : 04 Mar 2019 12:45
Operator : SY/MD
Sample : VSTD00163
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 03:56:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 03:46:07 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
Client Sample ID :
VSTD00163

Manual Integrations
APPROVED

MMDadoda
3/5/2019 12:33:49 PM



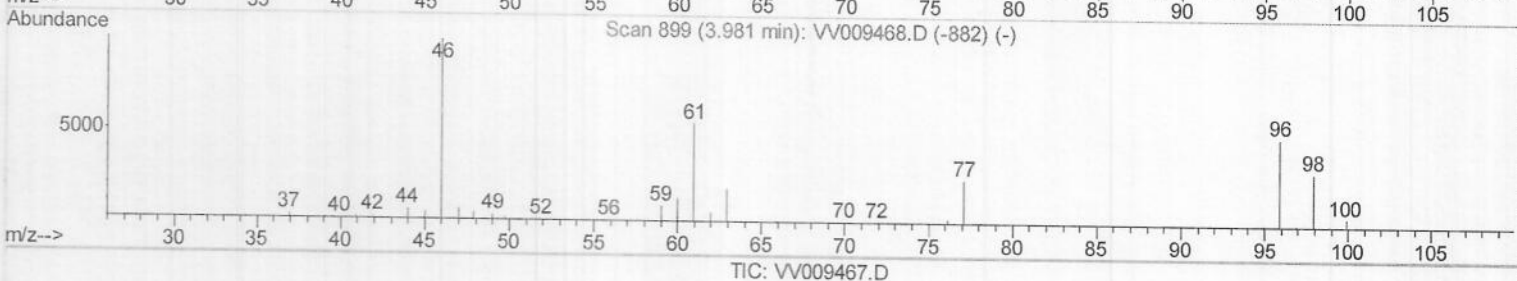
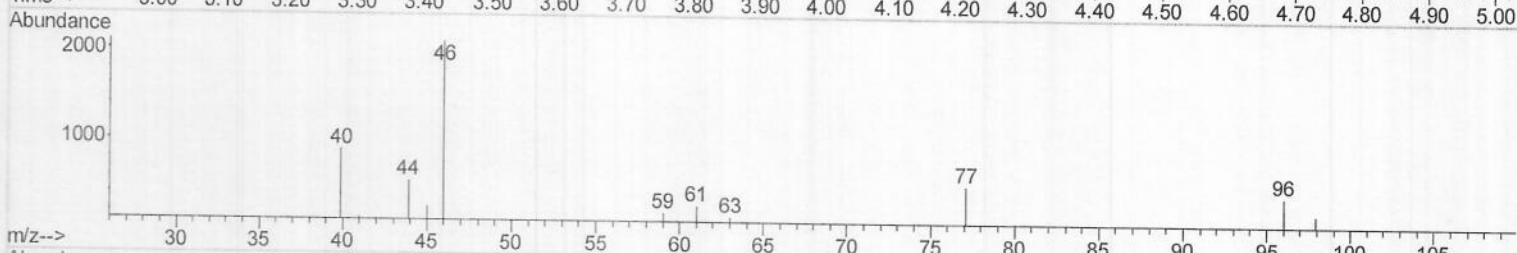
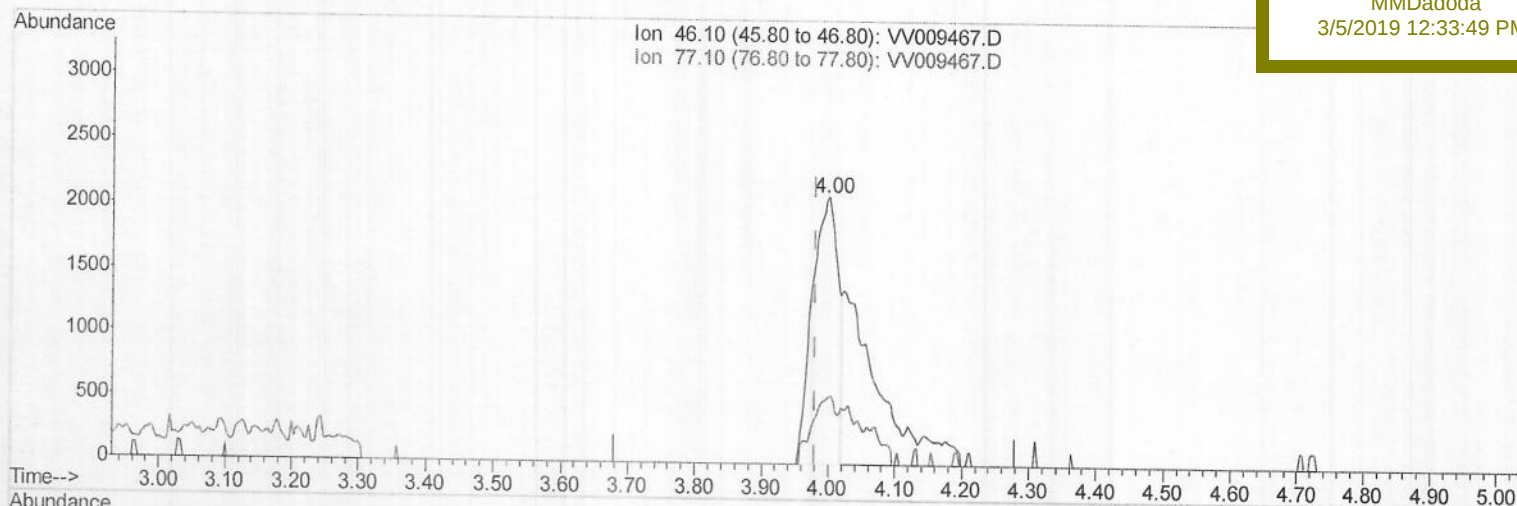
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(20) 2-Butanone-d5 (S)

4.000min (+0.019) 5.72ug/L

response 5651

Ion	Exp%	Act%
46.10	100	100
77.10	12.20	22.46#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030419\

Quantitation Report (Qedit)

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Operator : SY/MD

Sample : VSTD00163

Misc : 25ML/MSVOA_V/WATER

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 03:49:13 2019

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Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Mar 05 03:46:07 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampled :

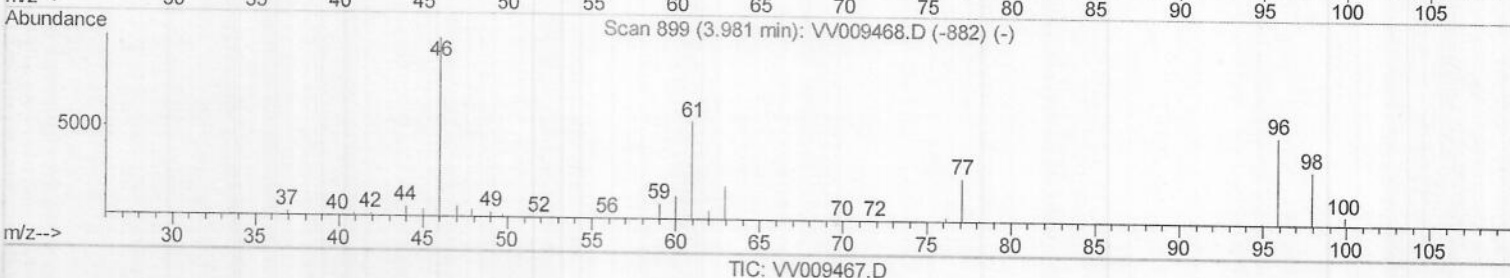
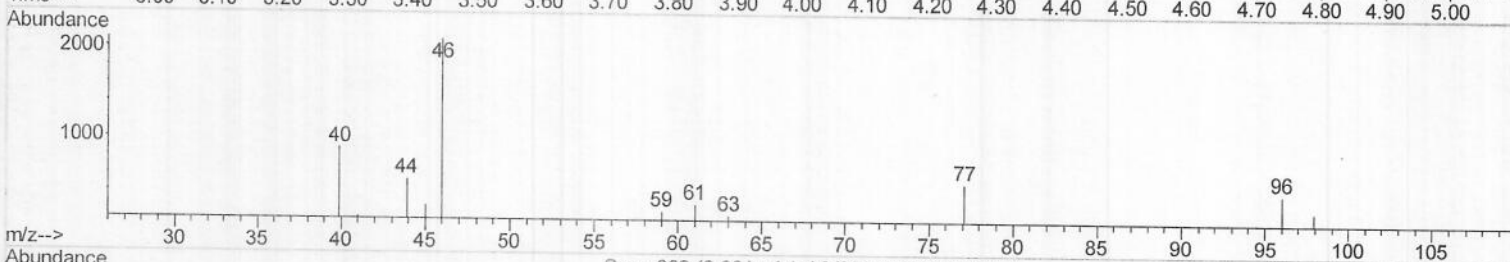
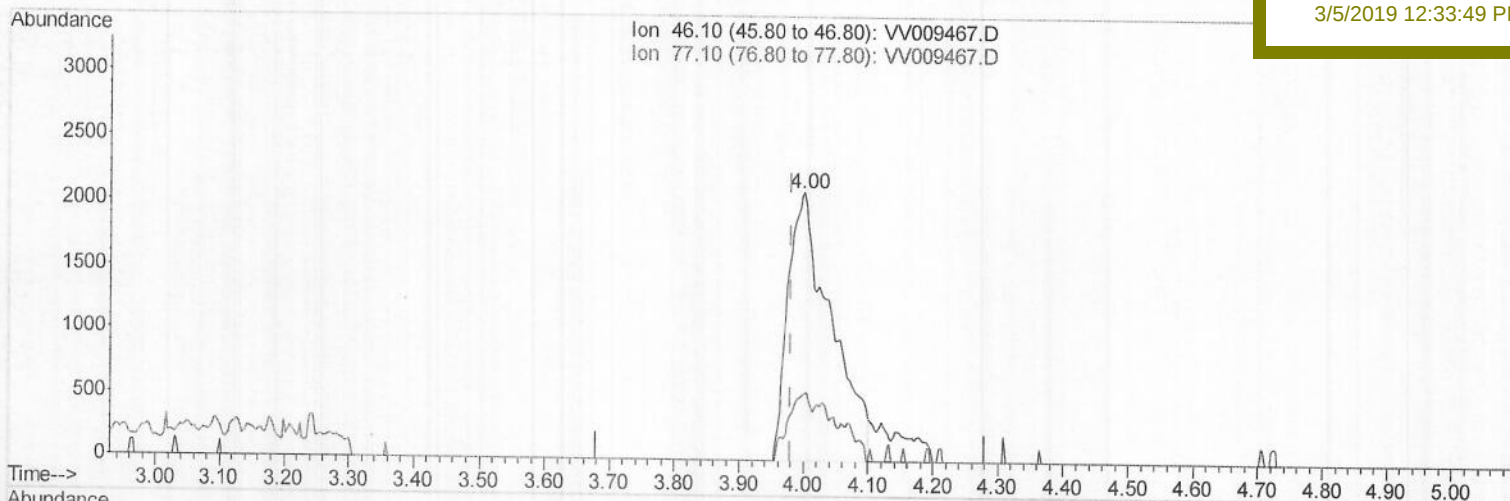
VSTD00163

Manual Integrations

APPROVED

MMDadoda

3/5/2019 12:33:49 PM



(20) 2-Butanone-d5 (S)

4.000min (+0.019) 9.79ug/L m

response 9666

Ion Exp% Act%

46.10 100 100

77.10 12.20 13.13

0.00 0.00 0.00

0.00 0.00 0.00

m.D
03/11/19

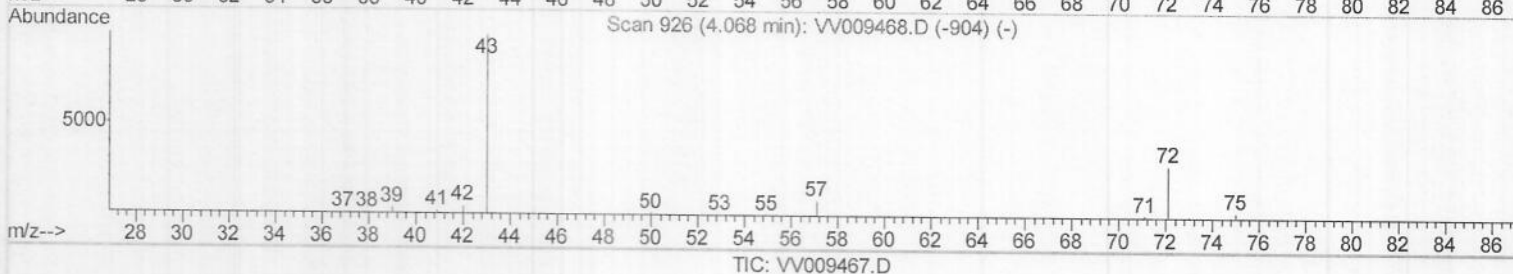
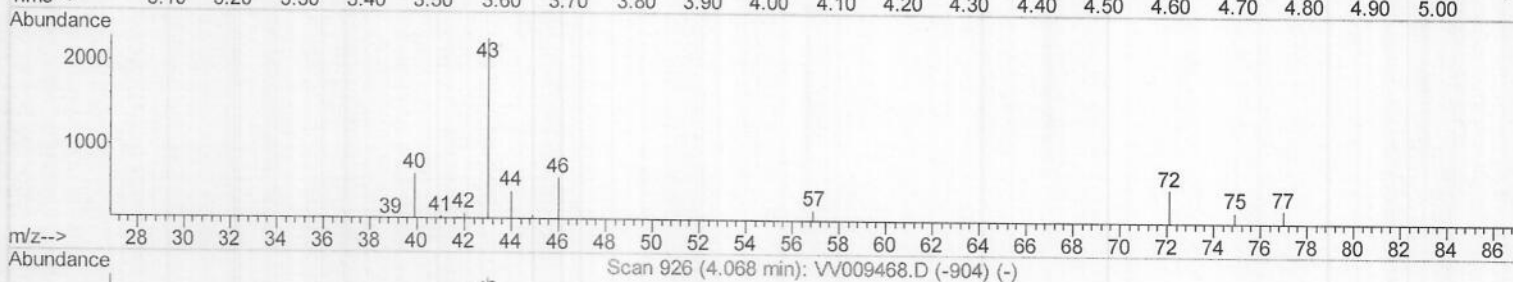
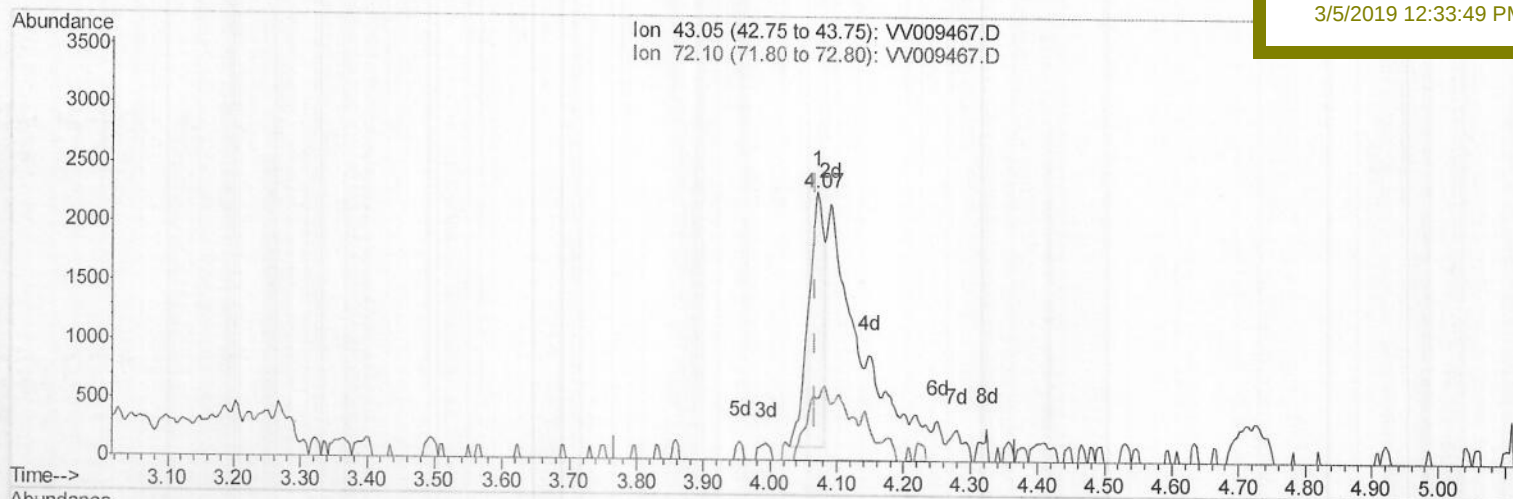
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ALS Vial : 4 Sample Multiplier: 1

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 03:46:07 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

Manual Integrations
APPROVED

MMDadoda
3/5/2019 12:33:49 PM



(21) 2-Butanone (T)
4.071min (+0.003) 2.98ug/L
response 3449

Ion	Exp%	Act%
43.05	100	100
72.10	29.60	21.25
0.00	0.00	0.00
0.00	0.00	0.00

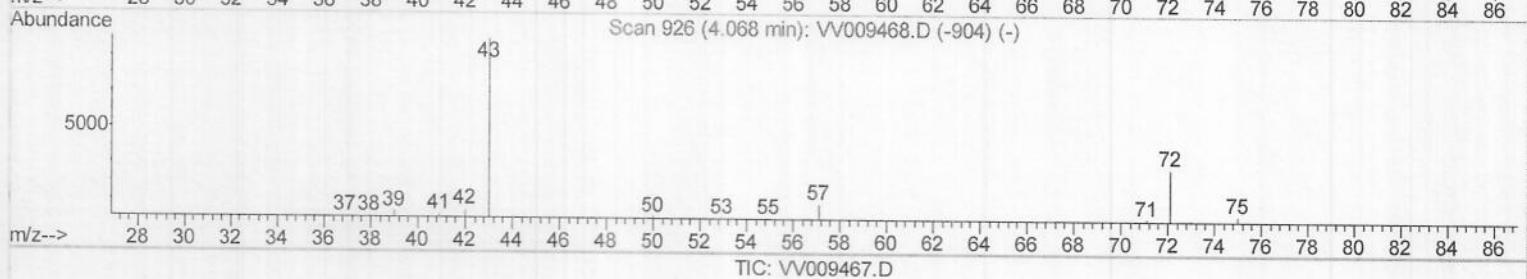
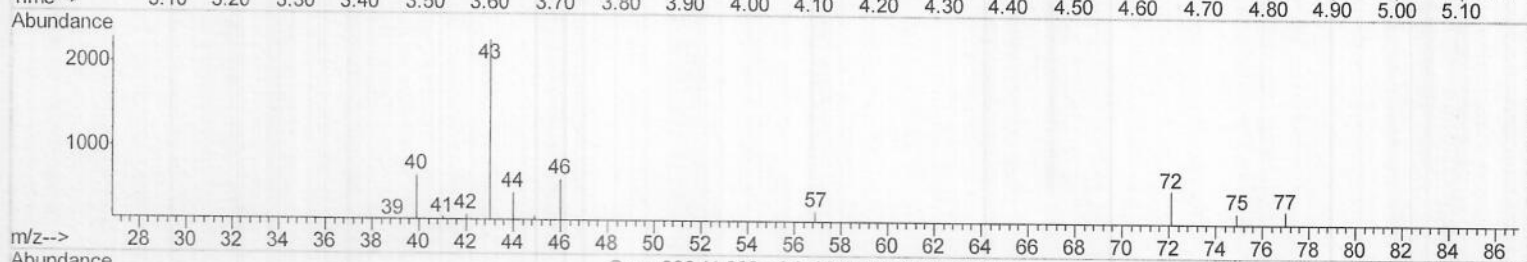
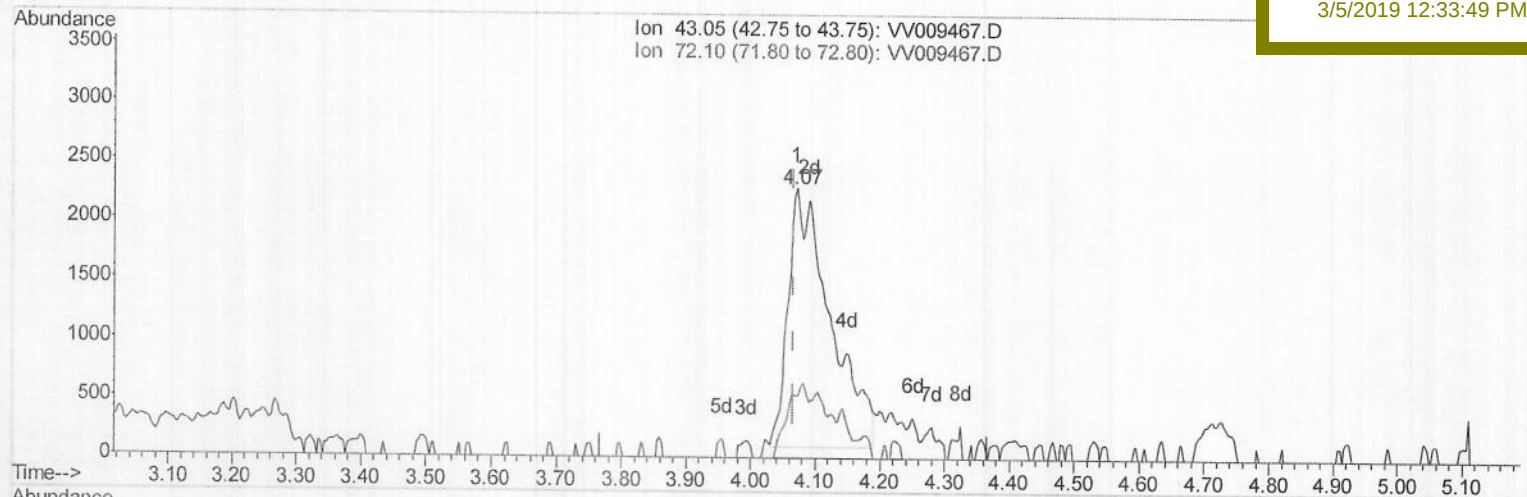
Data File : VV009467.D
Acq On : 04 Mar 2019 12:45
Operator : SY/MD
Sample : VSTD00163
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
Client Sample ID :
VSTD00163

Quant Time: Mar 05 03:49:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 03:46:07 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
3/5/2019 12:33:49 PM



(21) 2-Butanone (T)

4.071min (+0.003) 8.57ug/L m

response 9917

Ion	Exp%	Act%
43.05	100	100
72.10	29.60	7.39#
0.00	0.00	0.00
0.00	0.00	0.00

m.D
03/11/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030419\

Quantitation Report (QT Reviewed)

Data File : VV009467.D

Acq On : 04 Mar 2019 12:45

Operator : SY/MD

Sample : VSTD00163

Misc : 25ML/MSVOA_V/WATER

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 03:56:07 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Mar 05 03:46:07 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

Client Sample ID :

VSTD00163

Manual Integrations

APPROVED

MMDadoda

3/5/2019 12:33:49 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	96104	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43598	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6248	1.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	5495	1.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	15584	1.17	ug/L	0.00
20) 2-Butanone-d5	4.00	46	9666m	9.79	ug/L	0.02
24) Chloroform-d	4.40	84	10448	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5250	1.06	ug/L	0.00
32) Benzene-d6	5.10	84	20249	1.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	6236	1.03	ug/L	0.00
41) Toluene-d8	7.36	98	20307	1.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2495	0.94	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	8684	10.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	4707	1.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	7236	1.03	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	5306	0.898	ug/L	92
3) Chloromethane	1.25	50	6321	1.006	ug/L	100
5) Vinyl chloride	1.32	62	6830	0.985	ug/L	97
6) Bromomethane	1.53	94	4519	0.965	ug/L	95
8) Chloroethane	1.60	64	4313	0.939	ug/L	98
9) Trichlorofluoromethane	1.77	101	12935	0.883	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7672	1.062	ug/L	98
12) 1,1-Dichloroethene	2.14	96	6466	1.012	ug/L	95
13) Acetone	2.24	43	8077	8.722	ug/L	85
14) Carbon disulfide	2.32	76	21271	1.016	ug/L	97
15) Methyl Acetate	2.47	43	2745	1.143	ug/L #	76
16) Methylene chloride	2.54	84	7610	1.072	ug/L	95
17) Methyl tert-butyl Ether	2.82	73	15364	0.939	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	6940	0.995	ug/L	94
19) 1,1-Dichloroethane	3.23	63	12514	1.361	ug/L	95
21) 2-Butanone	4.07	43	9917m	8.572	ug/L	
22) cis-1,2-Dichloroethene	3.97	96	6373	0.983	ug/L	87
23) Bromochloromethane	4.30	128	2149	0.829	ug/L	85
25) Chloroform	4.43	83	10137	0.905	ug/L	100
27) 1,2-Dichloroethane	5.19	62	5983	0.907	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	9699	0.939	ug/L	97
30) Cyclohexane	4.72	56	8873	0.890	ug/L #	92
31) Carbon tetrachloride	4.87	117	7430	0.871	ug/L	99
33) Benzene	5.15	78	22421	0.946	ug/L	100
34) Trichloroethene	5.96	95	5941	0.878	ug/L	96
35) Methylcyclohexane	6.18	83	9869	0.884	ug/L	97
37) 1,2-Dichloropropane	6.22	63	5499	0.945	ug/L #	92
38) Bromodichloromethane	6.56	83	7432	0.922	ug/L	92
39) cis-1,3-Dichloropropene	7.07	75	7855	0.854	ug/L	93
40) 4-Methyl-2-pentanone	7.29	43	28679	9.101	ug/L	99

SOMVTR030419WMA.M Tue Mar 05 03:55:02 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030419\

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Acq On : 04 Mar 2019 12:45

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Sample : VSTD00163

Misc : 25ML/MSVOA_V/WATER

ALS Vial : 4 Sample Multiplier: 1

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QLast Update : Tue Mar 05 03:46:07 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

Manual Integrations

APPROVED

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3/5/2019 12:33:49 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	24395	0.894	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	6153	0.860	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3642	0.869	ug/L	92
47) Tetrachloroethene	8.02	164	4703	0.887	ug/L	94
48) 2-Hexanone	8.20	43	18849	8.912	ug/L	97
49) Dibromochloromethane	8.29	129	4456	0.815	ug/L	91
50) 1,2-Dibromoethane	8.40	107	3437	0.860	ug/L #	95
51) Chlorobenzene	8.93	112	16392	0.922	ug/L	99
52) Ethylbenzene	9.06	91	28465	0.915	ug/L	97
53) m,p-xylene	9.18	106	10737	0.884	ug/L	98
54) o-xylene	9.59	106	10008	0.852	ug/L	99
55) Styrene	9.61	104	16386	0.857	ug/L	99
56) Isopropylbenzene	9.98	105	27867	0.886	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	4786	0.954	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	3108	0.905	ug/L	95
61) Bromoform	9.78	173	2013	0.742	ug/L #	96
62) 1,3-Dichlorobenzene	11.23	146	12522	0.911	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	12547	0.925	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	11321	0.908	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	733	0.928	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	9291	0.945	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	6772	0.905	ug/L	100
69) Naphthalene	13.56	128	10947	0.874	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	5959	0.870	ug/L	97

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