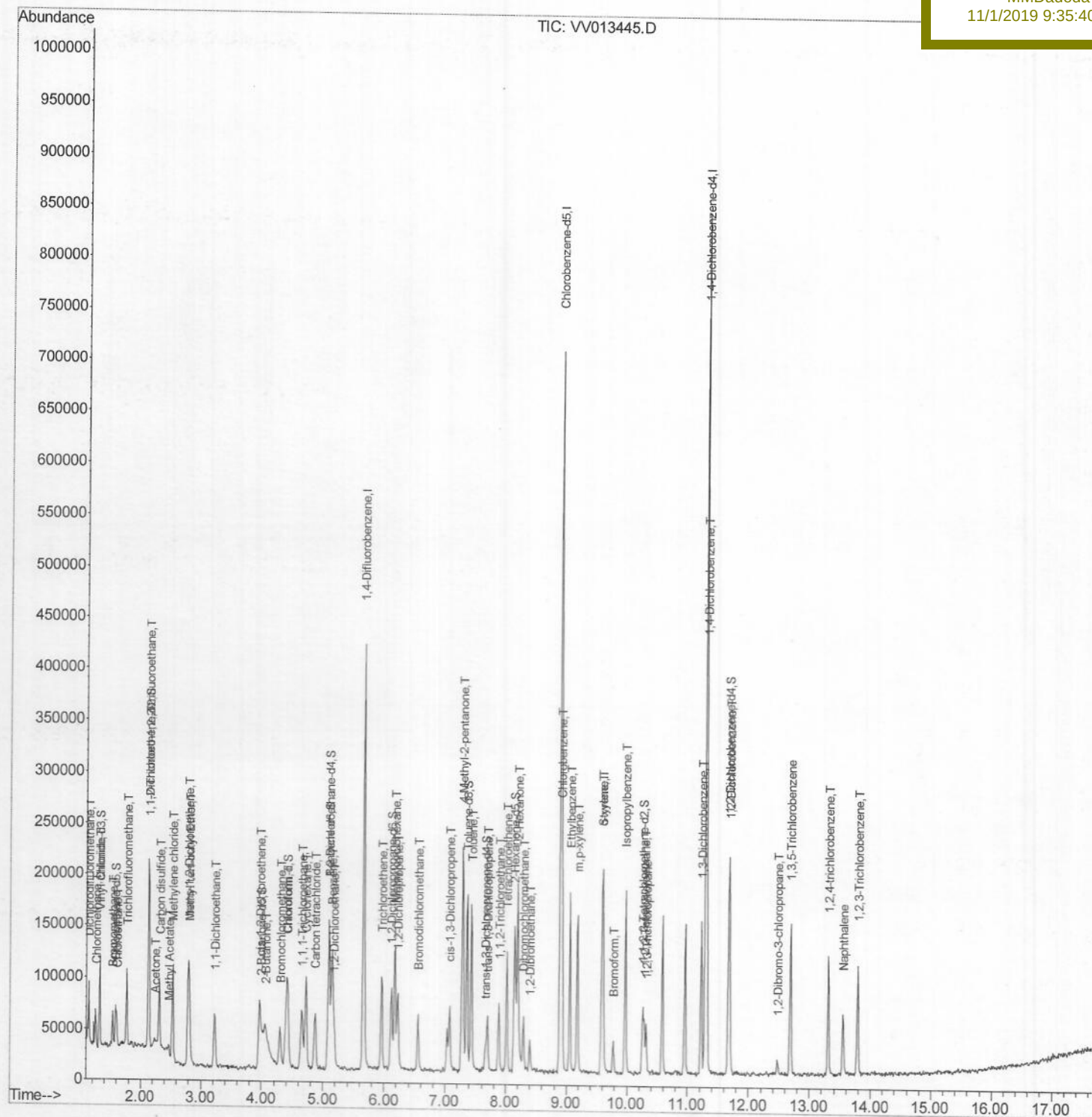


Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

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11/1/2019 9:35:40 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103119\
Quantitation Report (Qedit)

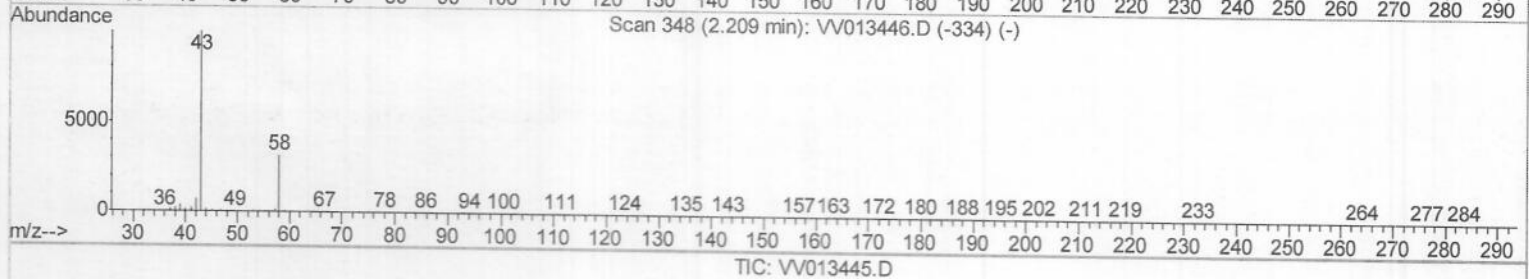
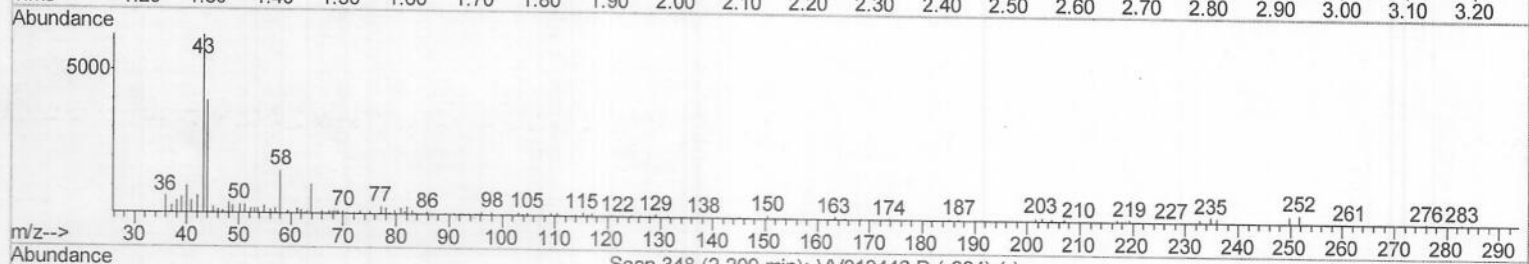
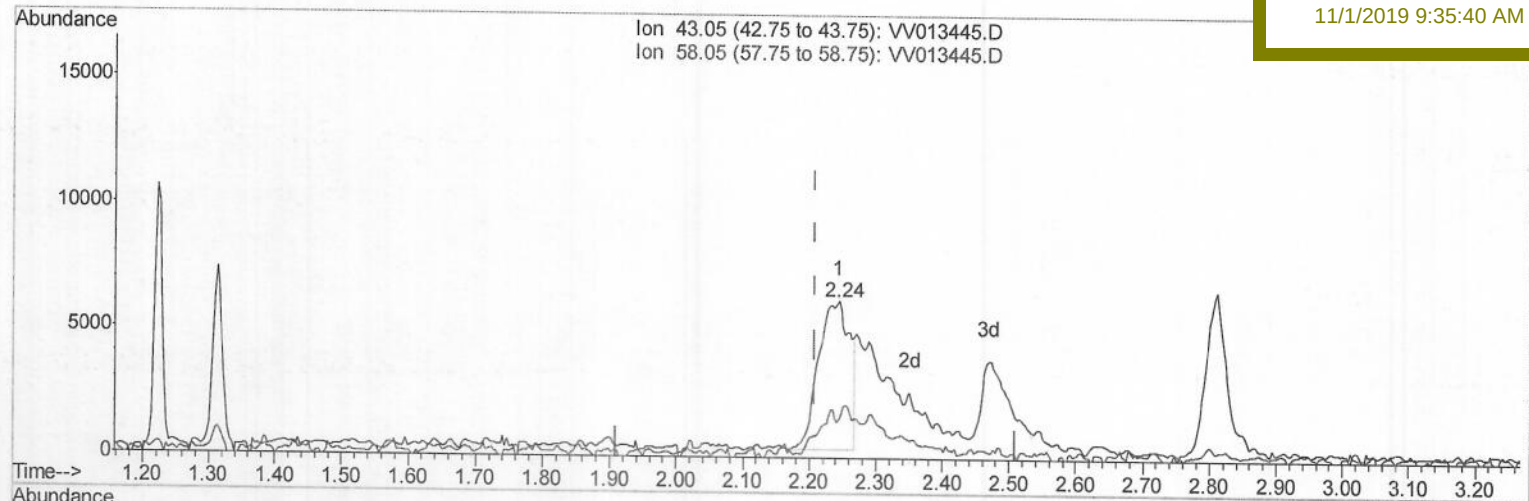
Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampled :
VSTD00134

Manual Integrations
APPROVED

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(13) Acetone (T)

2.245min (+0.036) 4.91ug/L

response 19207

Ion	Exp%	Act%
43.05	100	100
58.05	29.00	14.32
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103119\
Quantitation Report (Qedit)

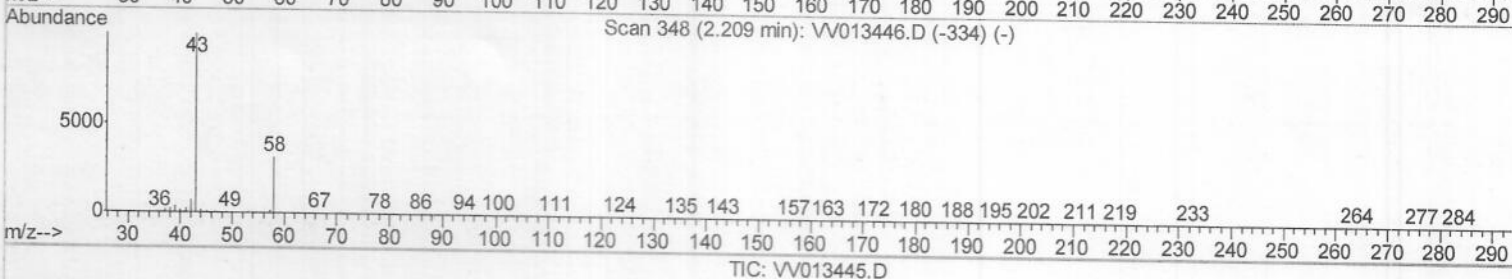
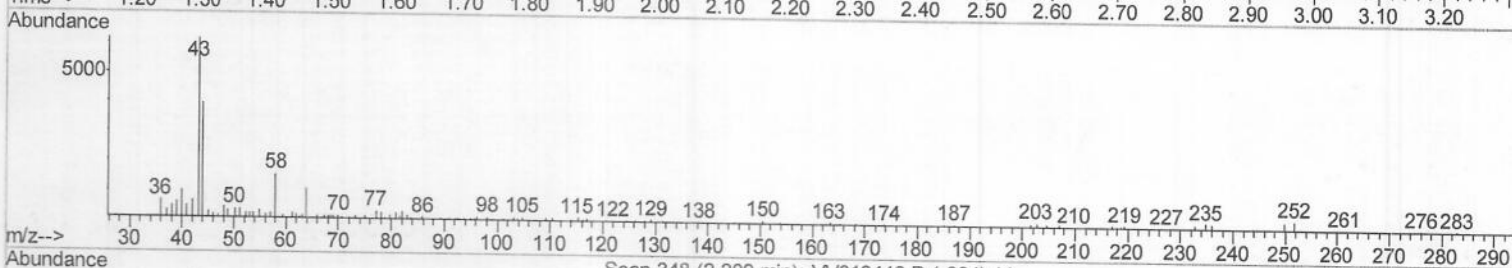
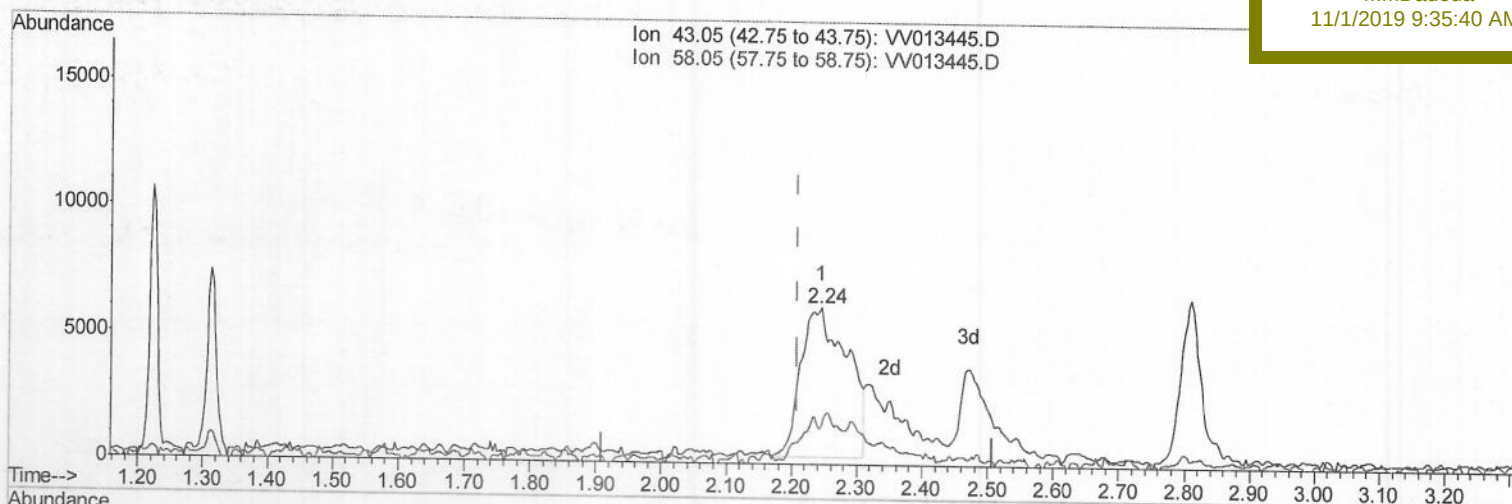
Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
Client Sampled :
VSTD00134

Manual Integrations
APPROVED

MMDadoda
11/1/2019 9:35:40 AM



(13) Acetone (T)

2.245min (+0.036) 7.47ug/L m

response 29250

Ion	Exp%	Act%
43.05	100	100
58.05	29.00	9.40
0.00	0.00	0.00
0.00	0.00	0.00

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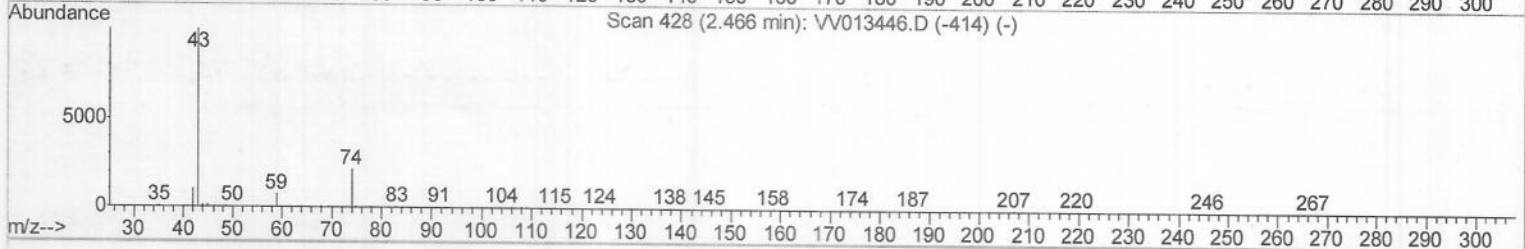
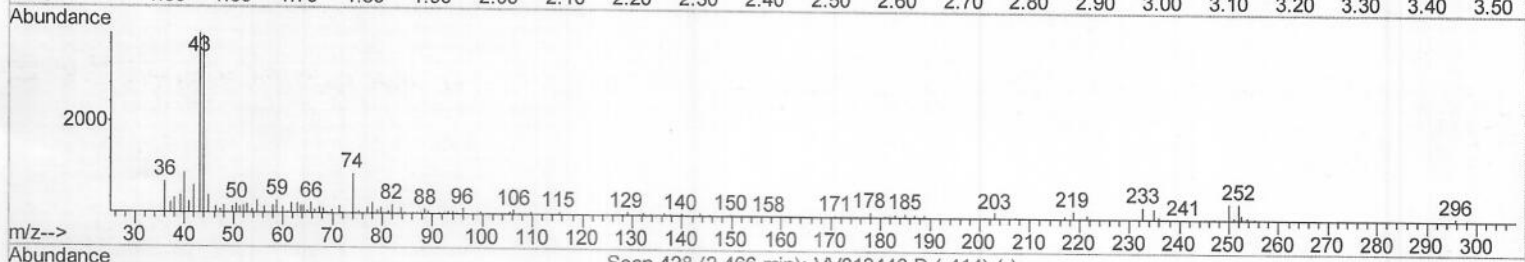
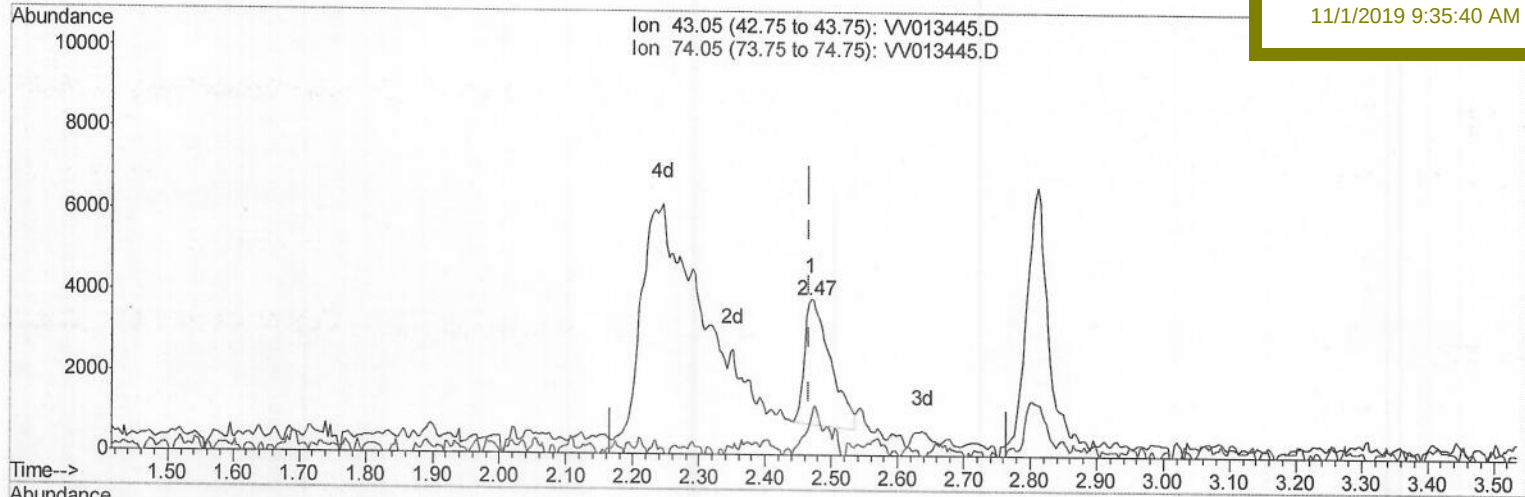
Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Manual Integrations
APPROVED

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TIC: VV013445.D

(15) Methyl Acetate (T)

2.470min (+0.003) 0.59ug/L

response 8433

Ion	Exp%	Act%
43.05	100	100
74.05	22.30	21.59
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103119\
Quantitation Report (Qedit)

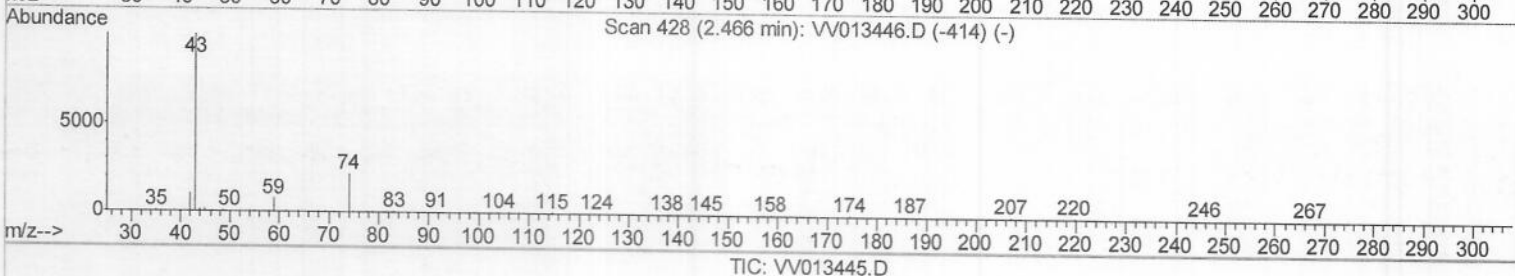
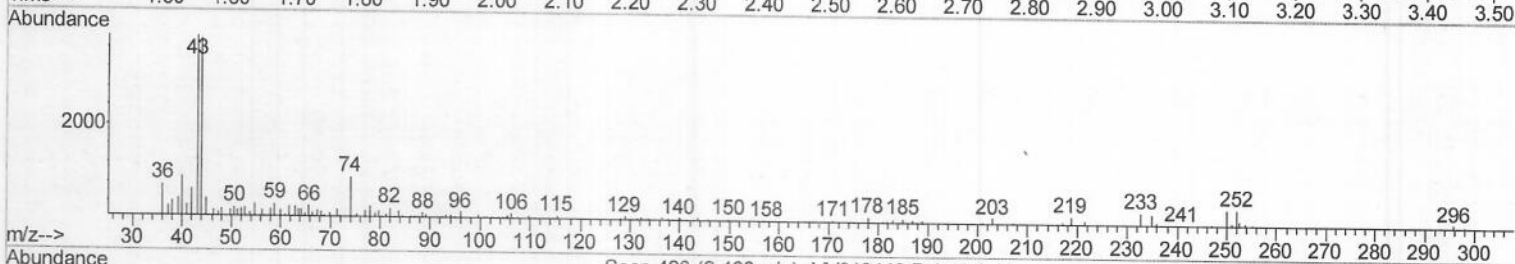
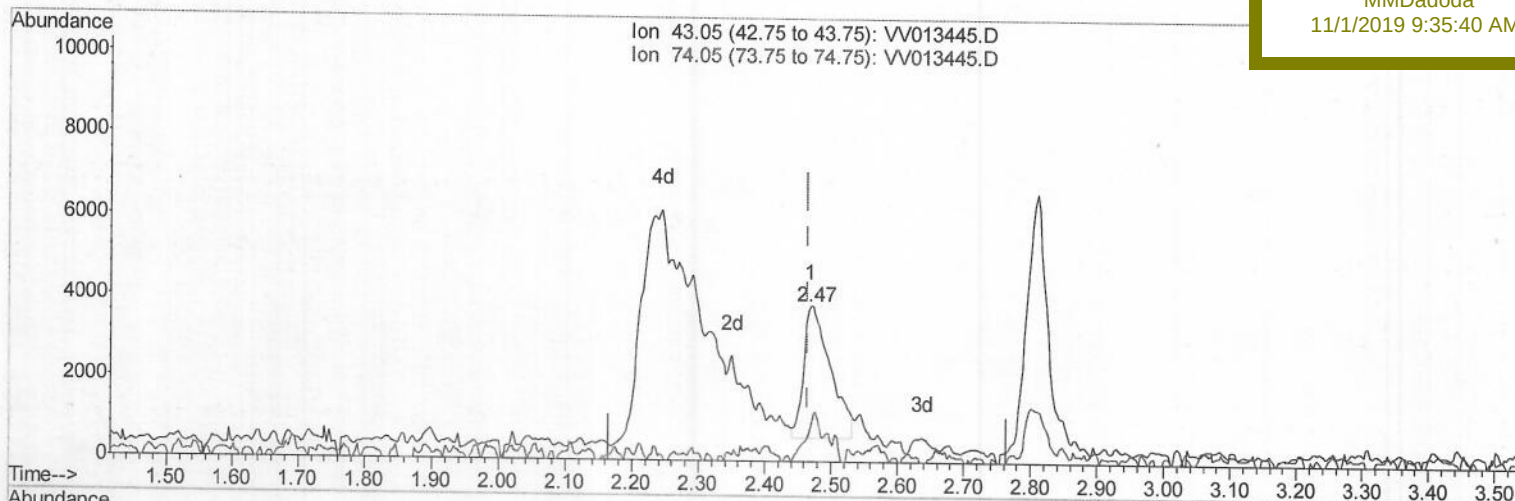
Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
Client Sample Id :
VSTD00134

Manual Integrations
APPROVED

MMDadoda
11/1/2019 9:35:40 AM



TIC: VV013445.D

(15) Methyl Acetate (T)

2.470min (+0.003) 0.64ug/L m

response 9170

Ion Exp% Act%

43.05 100 100

74.05 22.30 19.86

0.00 0.00 0.00

0.00 0.00 0.00

MD
11/06/19

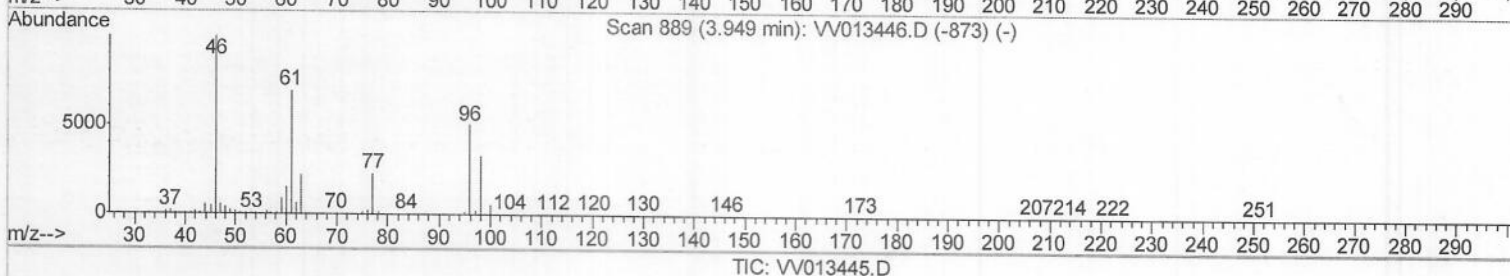
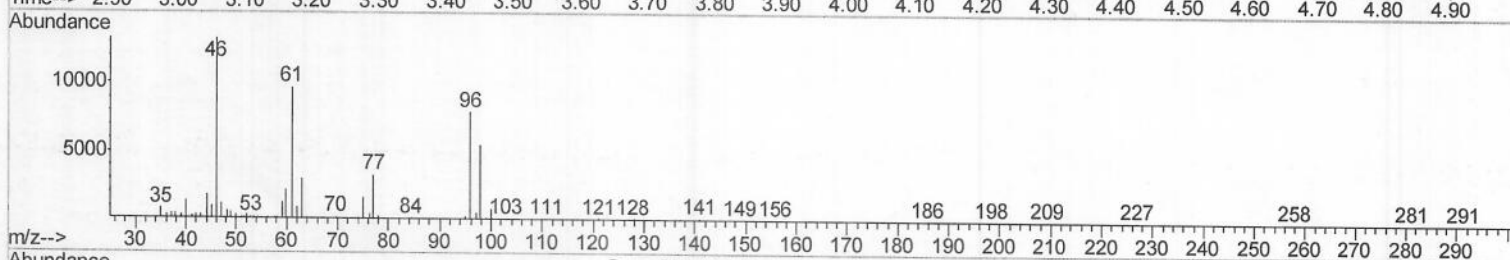
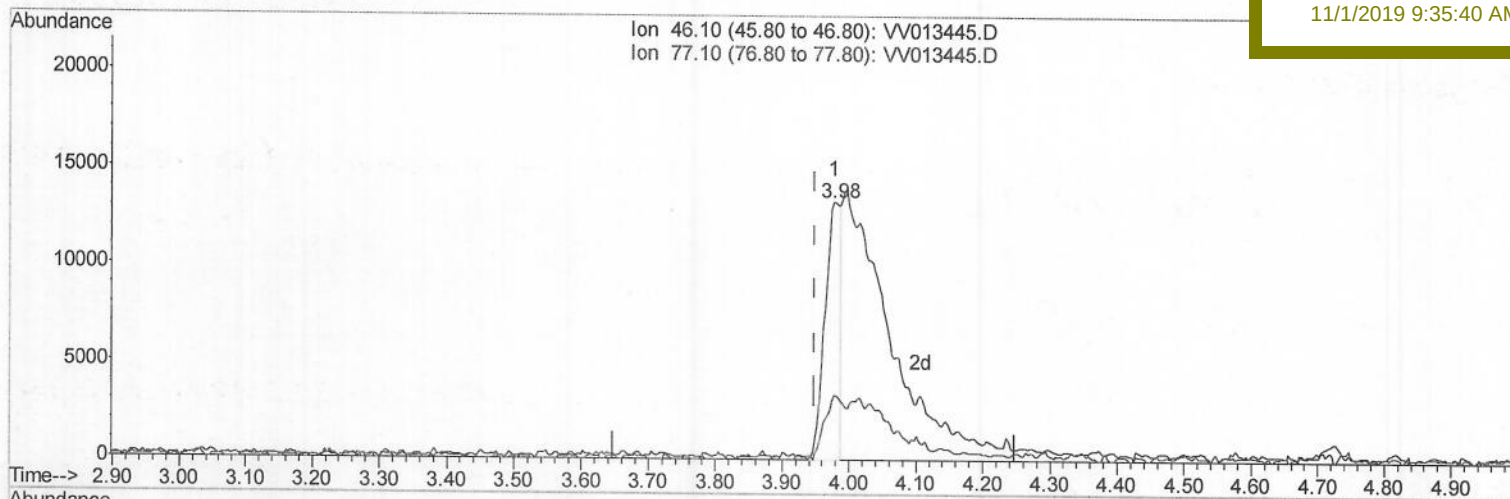
Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Manual Integrations
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(20) 2-Butanone-d5 (S)

3.978min (+0.029) 2.85ug/L

response 21817

Ion	Exp%	Act%
46.10	100	100
77.10	23.40	32.08#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103119\
Quantitation Report (Qedit)

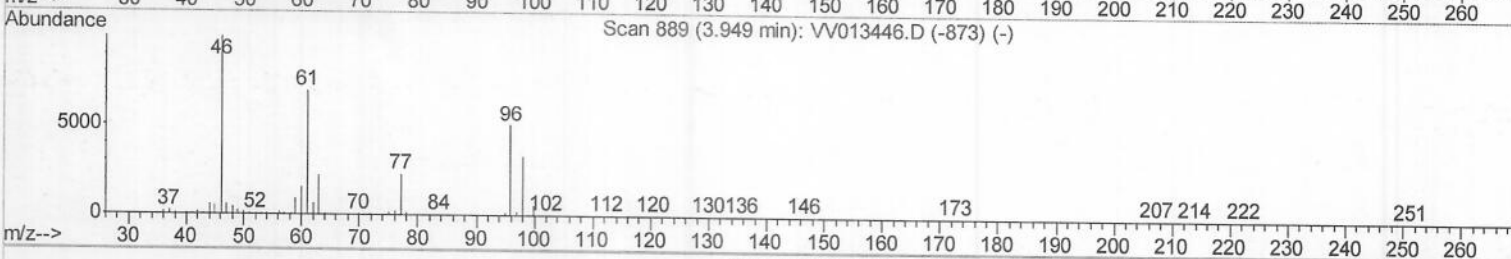
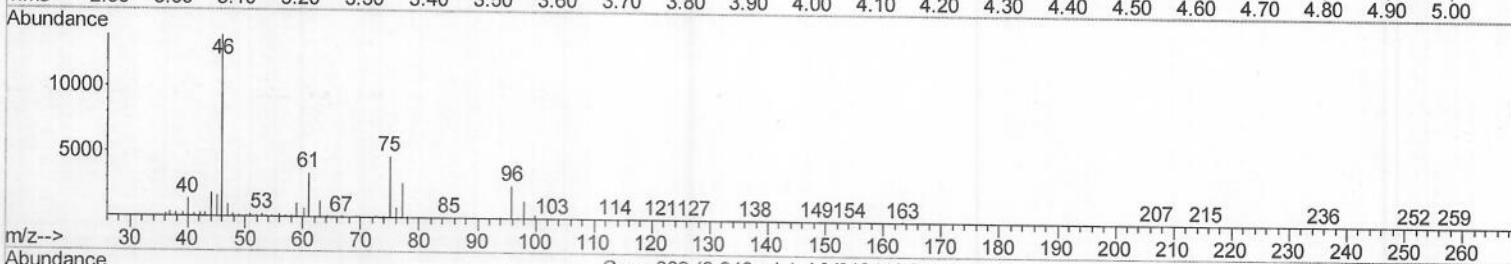
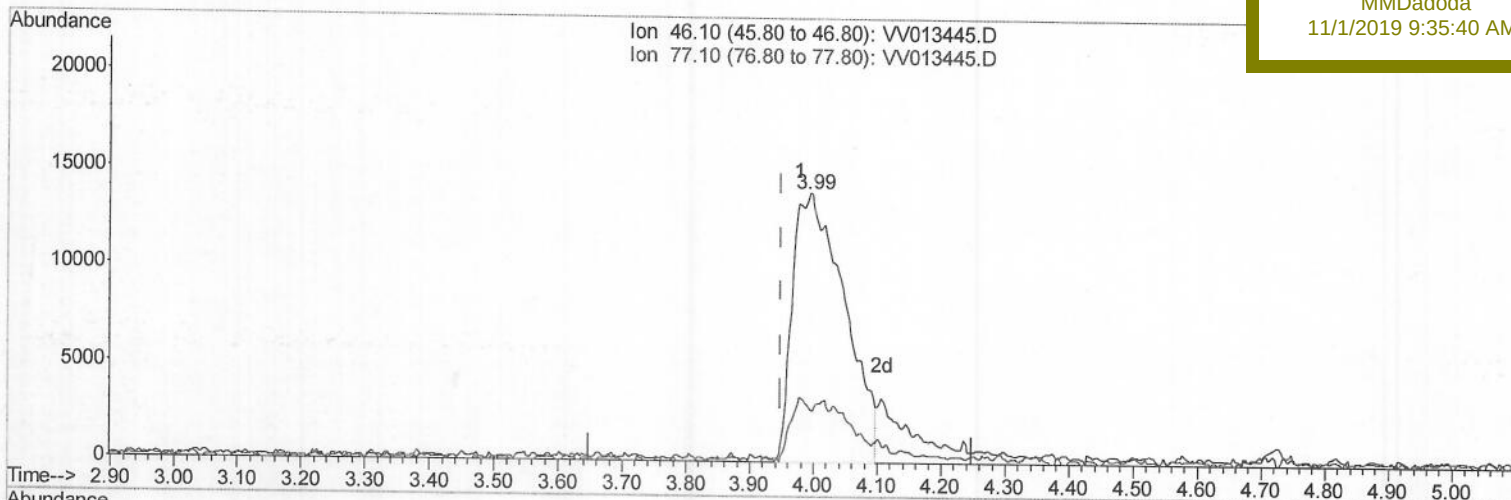
Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
Client Sampled :
VSTD00134

Manual Integrations
APPROVED

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11/1/2019 9:35:40 AM



TIC: VV013445.D

(20) 2-Butanone-d5 (S)

3.994min (+0.045) 10.21ug/L m

response 78143

Ion Exp% Act%

46.10 100 100

77.10 23.40 8.96#

0.00 0.00 0.00

0.00 0.00 0.00

MD
11/06/19

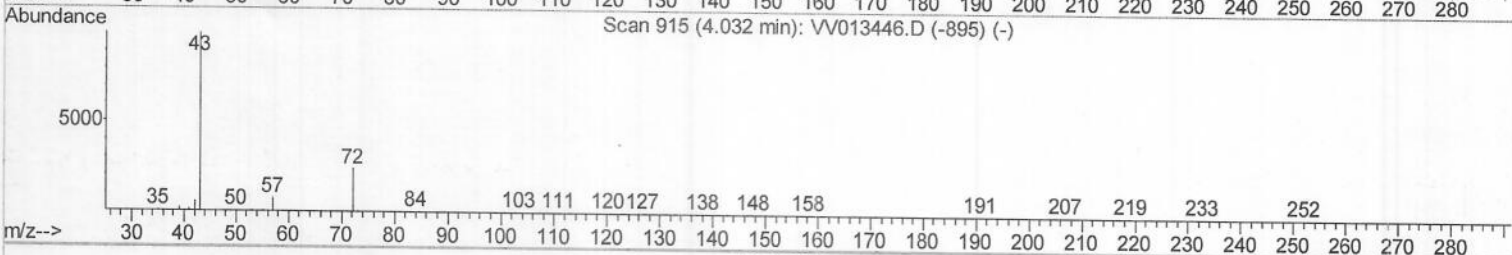
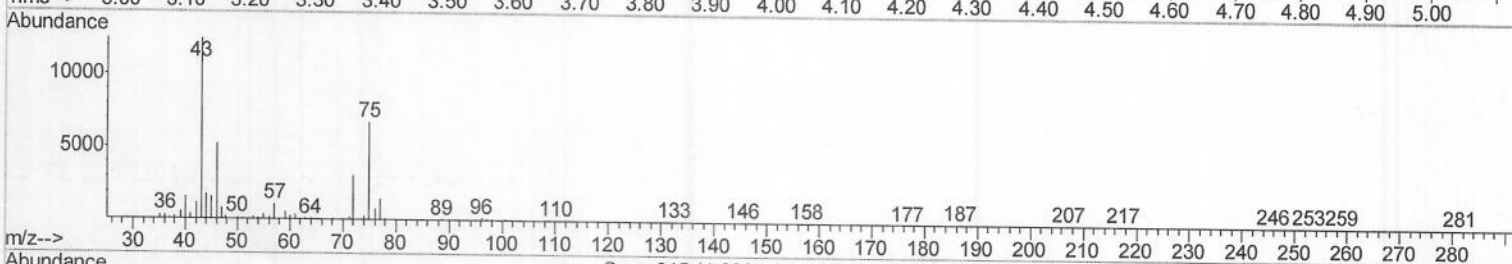
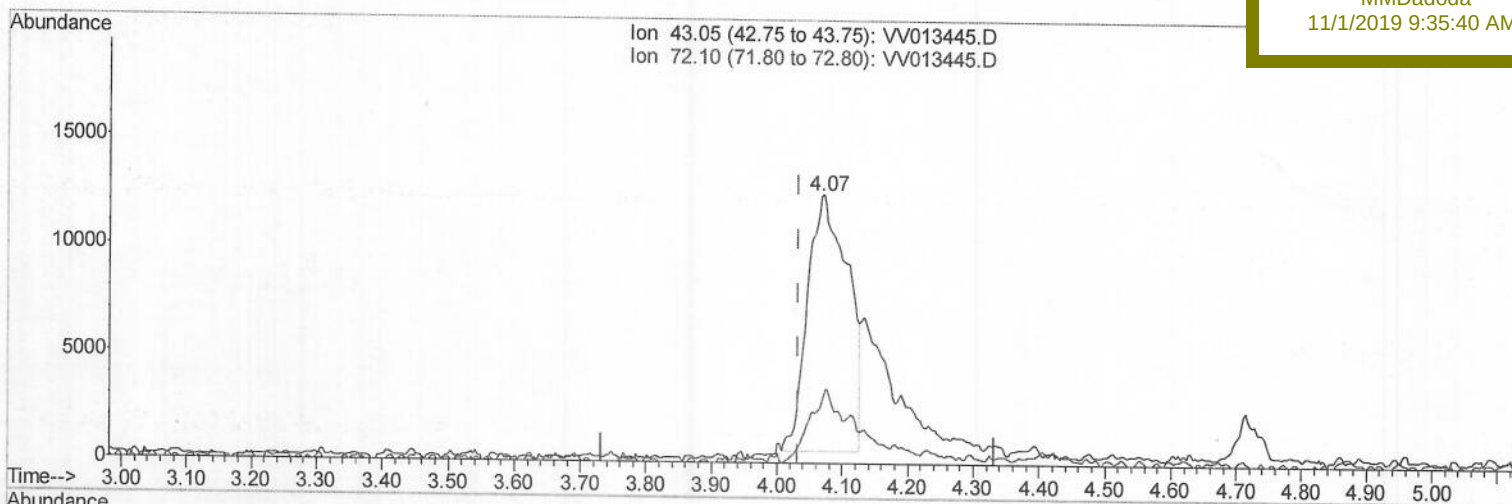
Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
Client Sampled :
VSTD00134

Manual Integrations
APPROVED

MMDadoda
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(21) 2-Butanone (T)

4.071min (+0.039) 6.00ug/L

response 51019

Ion	Exp%	Act%
43.05	100	100
72.10	21.80	20.46
0.00	0.00	0.00
0.00	0.00	0.00

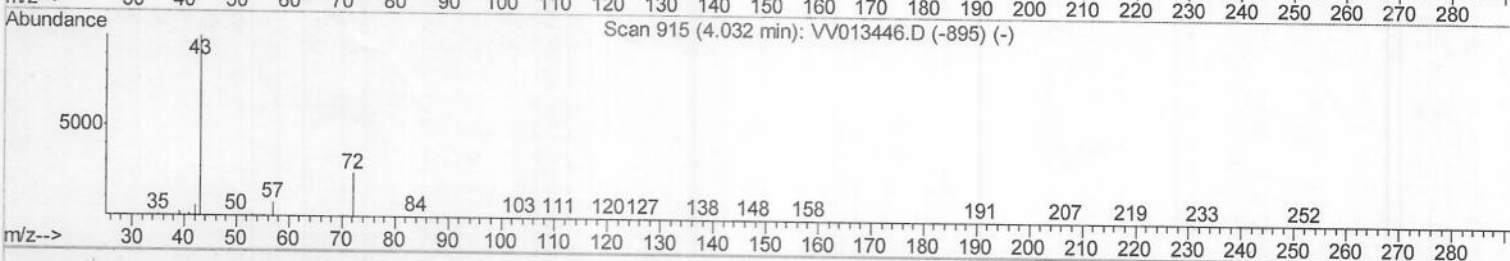
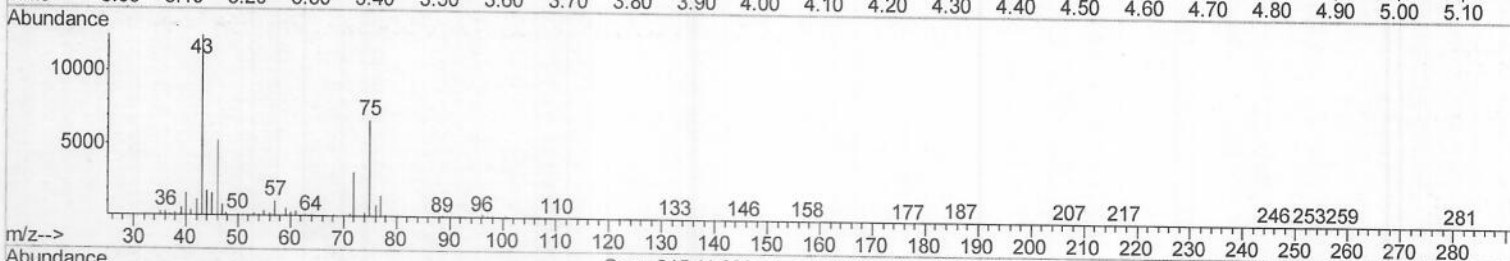
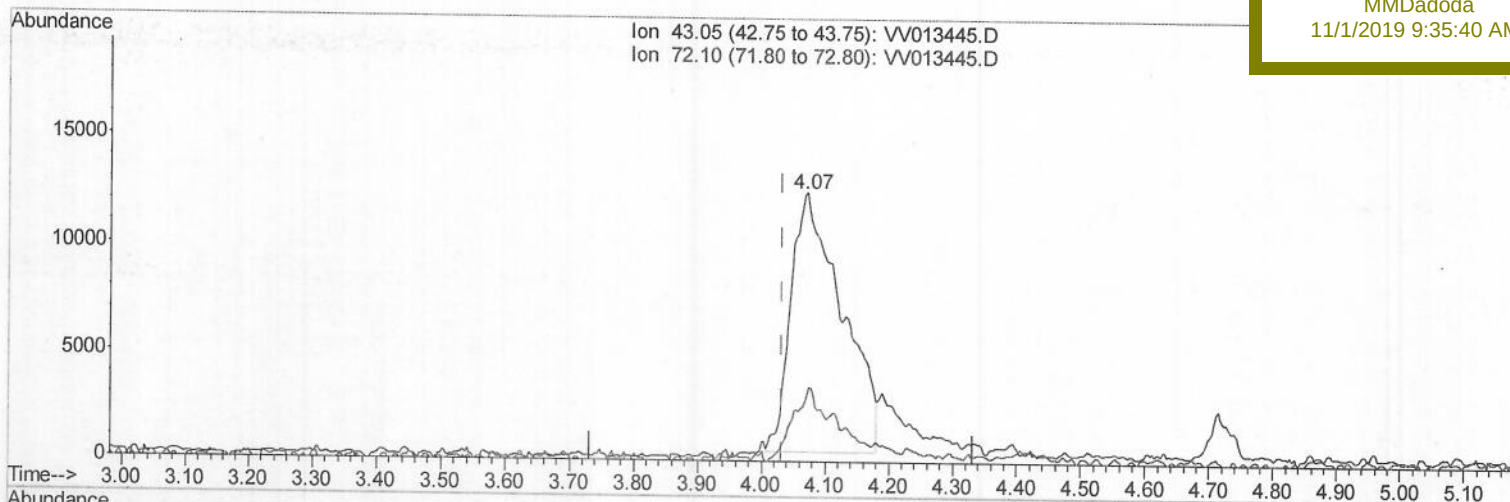
Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Manual Integrations
APPROVED

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TIC: VV013445.D

(21) 2-Butanone (T)

4.071min (+0.039) 7.92ug/L m

response 67392

Ion	Exp%	Act%
43.05	100	100
72.10	21.80	15.49
0.00	0.00	0.00
0.00	0.00	0.00

> MD
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Data File : VV013445.D

Acq On : 31 Oct 2019 13:59

Operator : SY/MD

Sample : VSTD00134

Misc : 25.0ML/MSVOA_V/WATER

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 05:00:35 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Nov 01 04:50:11 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

Client Sampled :

VSTD00134

Manual Integrations

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	359889	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	385415	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	218428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27101	0.83	ug/L	0.00
7) Chloroethane-d5	1.58	69	22365	0.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	45463	0.84	ug/L	0.00
20) 2-Butanone-d5	3.99	46	78143m	10.21	ug/L	0.05
24) Chloroform-d	4.40	84	64995	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	33135	1.00	ug/L	0.00
32) Benzene-d6	5.10	84	122458	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	39639	0.96	ug/L	0.00
41) Toluene-d8	7.36	98	111827	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	15567	1.02	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	49039	9.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29541	1.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	46291	1.07	ug/L	0.00

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.14	85	38543	0.810	ug/L	100
3) Chloromethane	1.25	50	30978	0.774	ug/L	98
5) Vinyl chloride	1.32	62	30381	0.779	ug/L	93
6) Bromomethane	1.53	94	14205	0.699	ug/L	96
8) Chloroethane	1.60	64	16445	0.745	ug/L	98
9) Trichlorofluoromethane	1.77	101	41331	0.807	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23848	0.838	ug/L	99
12) 1,1-Dichloroethene	2.14	96	21951	0.803	ug/L	93
13) Acetone	2.24	43	29250m	7.473	ug/L	
14) Carbon disulfide	2.31	76	70369	0.854	ug/L	97
15) Methyl Acetate	2.47	43	9170m	0.640	ug/L	
16) Methylene chloride	2.53	84	39928	1.008	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	64480	0.874	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	30238	0.837	ug/L	99
19) 1,1-Dichloroethane	3.23	63	54676	0.825	ug/L	98
21) 2-Butanone	4.07	43	67392m	7.920	ug/L	
22) cis-1,2-Dichloroethene	3.96	96	31348	0.859	ug/L	# 86
23) Bromochloromethane	4.30	128	14577	0.882	ug/L	96
25) Chloroform	4.43	83	63304	0.899	ug/L	98
27) 1,2-Dichloroethane	5.18	62	33906	0.872	ug/L	# 95
29) 1,1,1-Trichloroethane	4.65	97	45096	0.799	ug/L	97
30) Cyclohexane	4.72	56	46150	0.774	ug/L	99
31) Carbon tetrachloride	4.87	117	40131	0.783	ug/L	97
33) Benzene	5.14	78	111540	0.784	ug/L	100
34) Trichloroethene	5.96	95	31511	0.804	ug/L	93
35) Methylcyclohexane	6.17	83	43963	0.753	ug/L	98
37) 1,2-Dichloropropane	6.22	63	28418	0.791	ug/L	# 96
38) Bromodichloromethane	6.55	83	38540	0.850	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	39087	0.800	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	175766	8.540	ug/L	96

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103119\
Quantitation Report (QT Reviewed)

Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 05:00:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
42) Toluene	7.43	91	119807	0.811	ug/L	95
44) trans-1,3-Dichloropropene	7.69	75	30100	0.775	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	21730	0.900	ug/L	98
47) Tetrachloroethene	8.02	164	27822	0.842	ug/L	98
48) 2-Hexanone	8.19	43	133533	9.018	ug/L	96
49) Dibromochloromethane	8.29	129	25145	0.837	ug/L	97
50) 1,2-Dibromoethane	8.40	107	20220	0.909	ug/L	99
51) Chlorobenzene	8.92	112	79454	0.830	ug/L	98
52) Ethylbenzene	9.05	91	121929	0.775	ug/L	97
53) m,p-xylene	9.18	106	43811	0.751	ug/L	98
54) o-xylene	9.58	106	43309	0.763	ug/L	94
55) Styrene	9.60	104	67705	0.712	ug/L	99
56) Isopropylbenzene	9.97	105	111555	0.734	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	22947	0.877	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	19081	0.895	ug/L	99
61) Bromoform	9.77	173	14486	0.895	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	61890	0.852	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	64584	0.884	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	60704	0.898	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3577	1.016	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	45707	0.786	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	38190	0.845	ug/L	99
69) Naphthalene	13.55	128	49232	0.778	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	34367	0.830	ug/L	98

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