

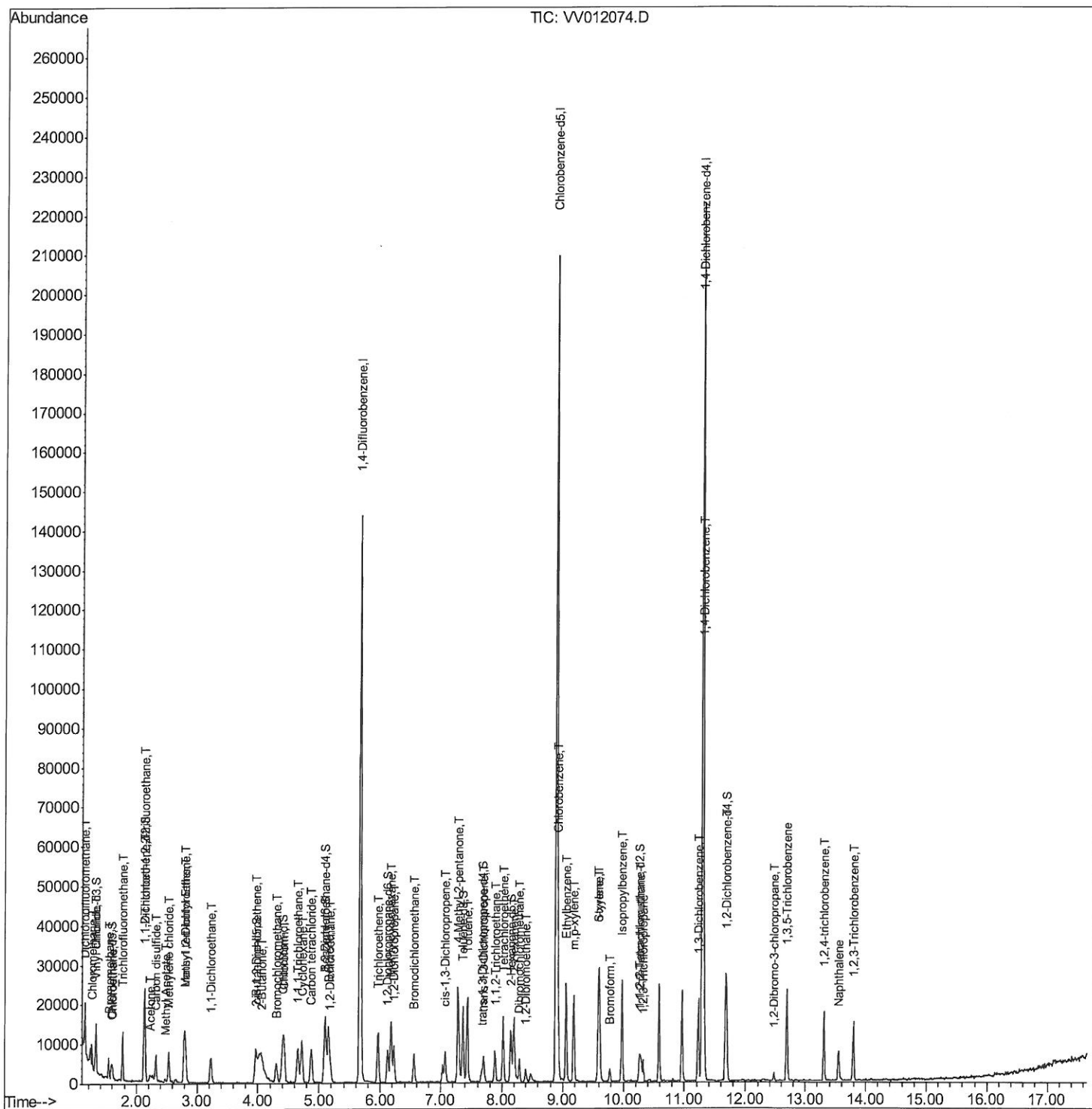
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:15:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (Qedit)

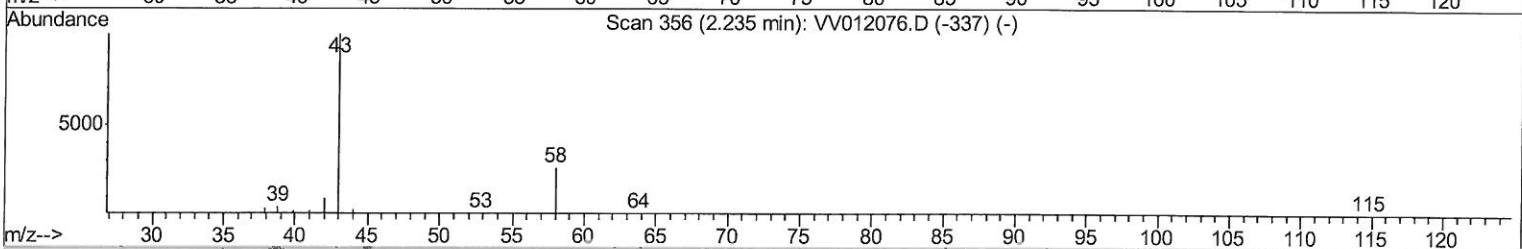
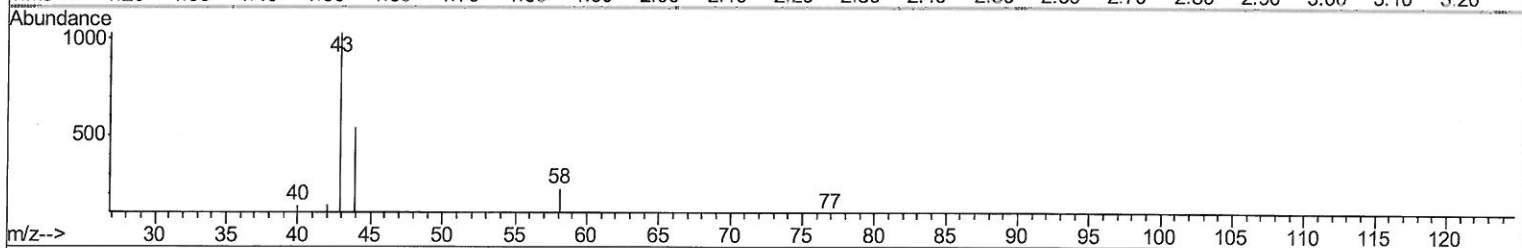
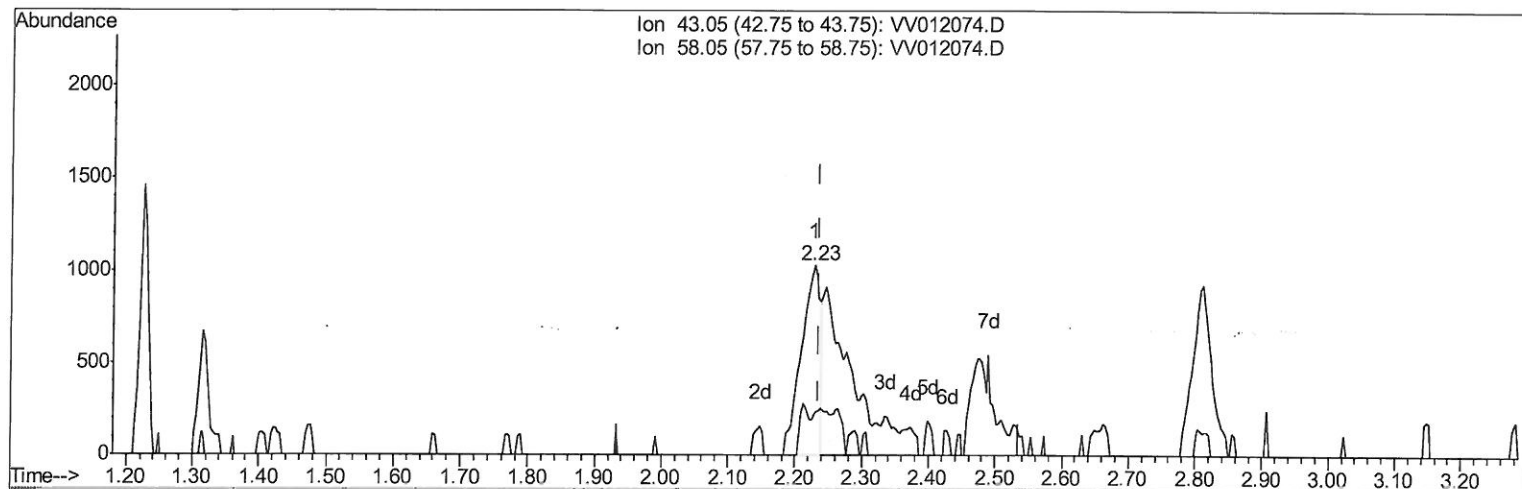
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



TIC: VV012074.D

(13) Acetone (T)

2.228min (-0.006) 2.42ug/L

response 1990

Ion	Exp%	Act%
43.05	100	100
58.05	25.50	20.40
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (Qedit)

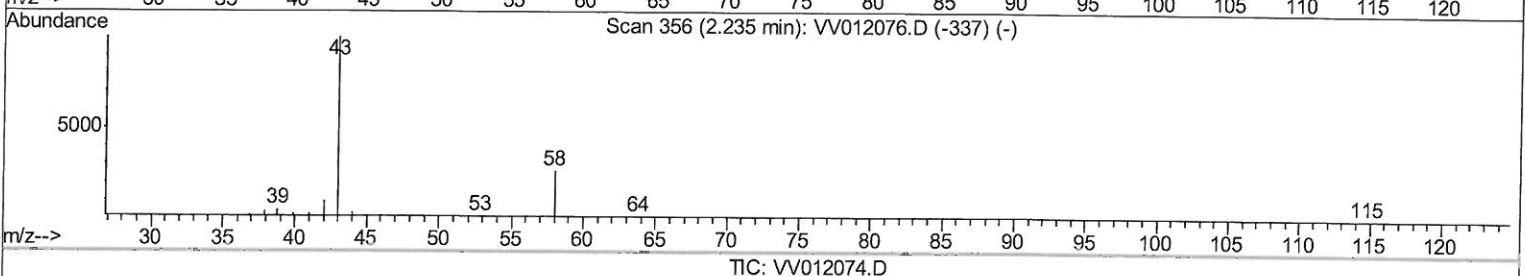
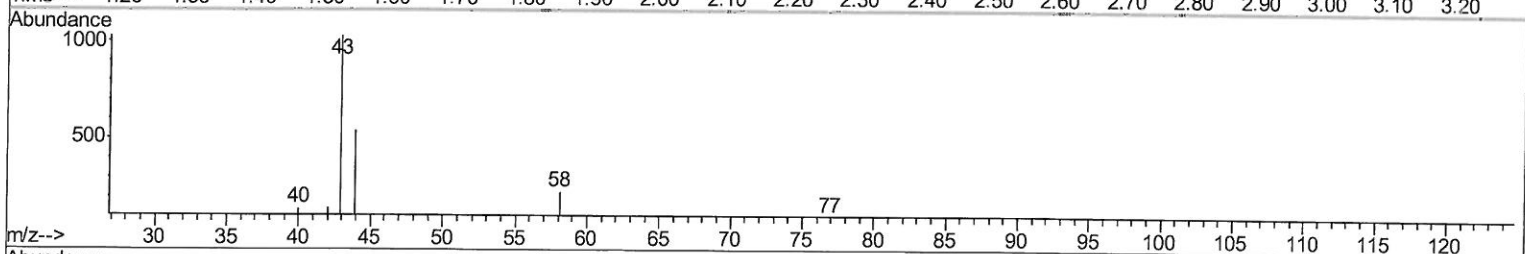
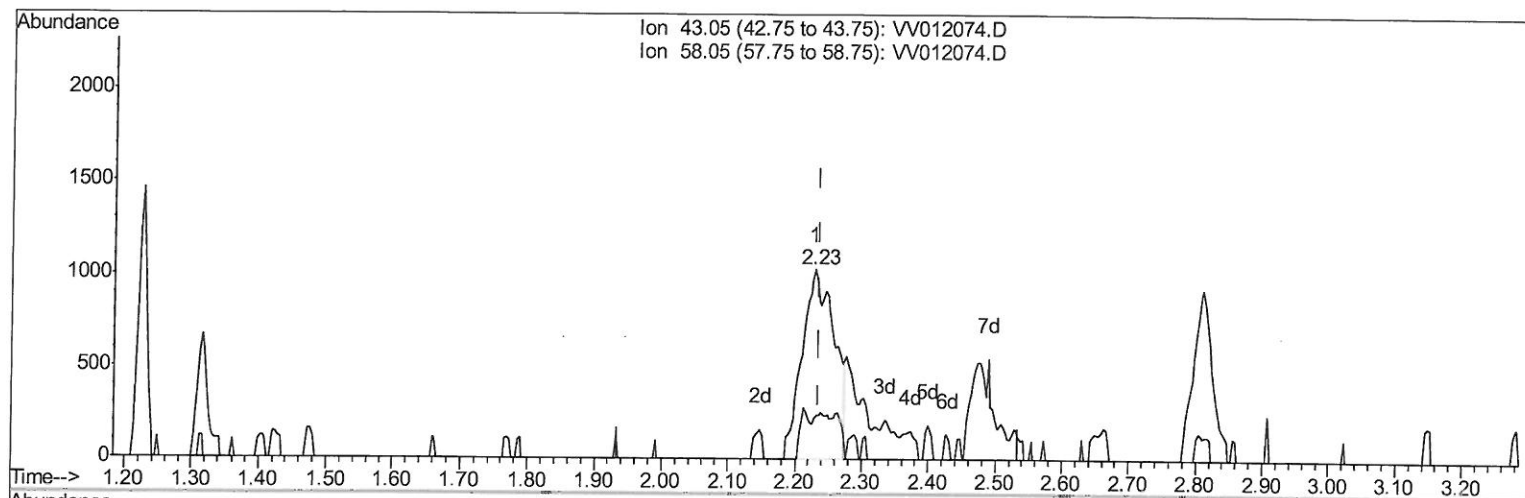
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



(13) Acetone (T)

2.228min (-0.006) 4.20ug/L m

response 3464

Ion	Exp%	Act%
43.05	100	100
58.05	25.50	11.72
0.00	0.00	0.00
0.00	0.00	0.00

7 MD
8/02/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (Qedit)

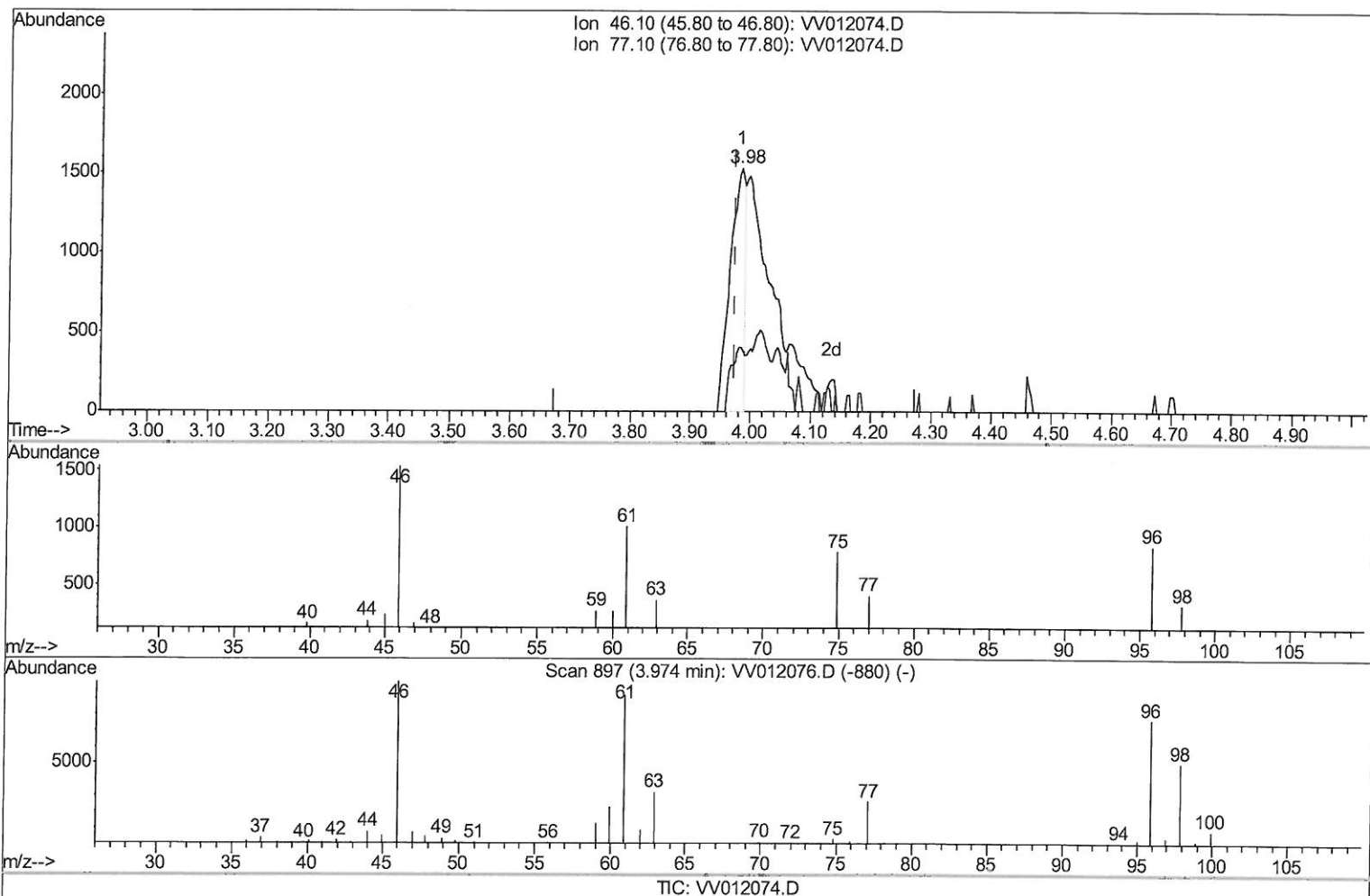
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

3.984min (+0.010) 1.68ug/L

response 2693

Ion	Exp%	Act%
46.10	100	100
77.10	27.00	22.99
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (Qedit)

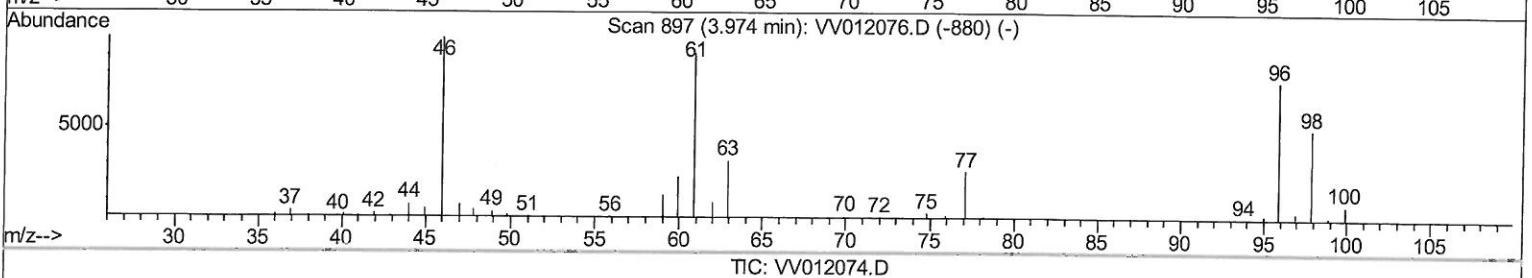
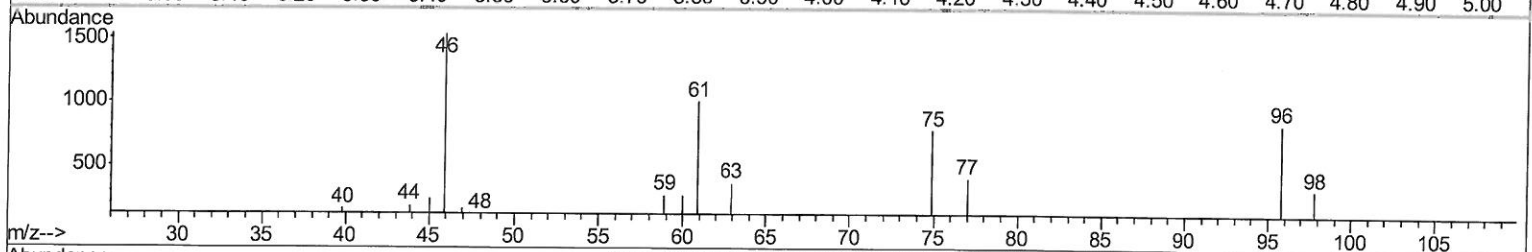
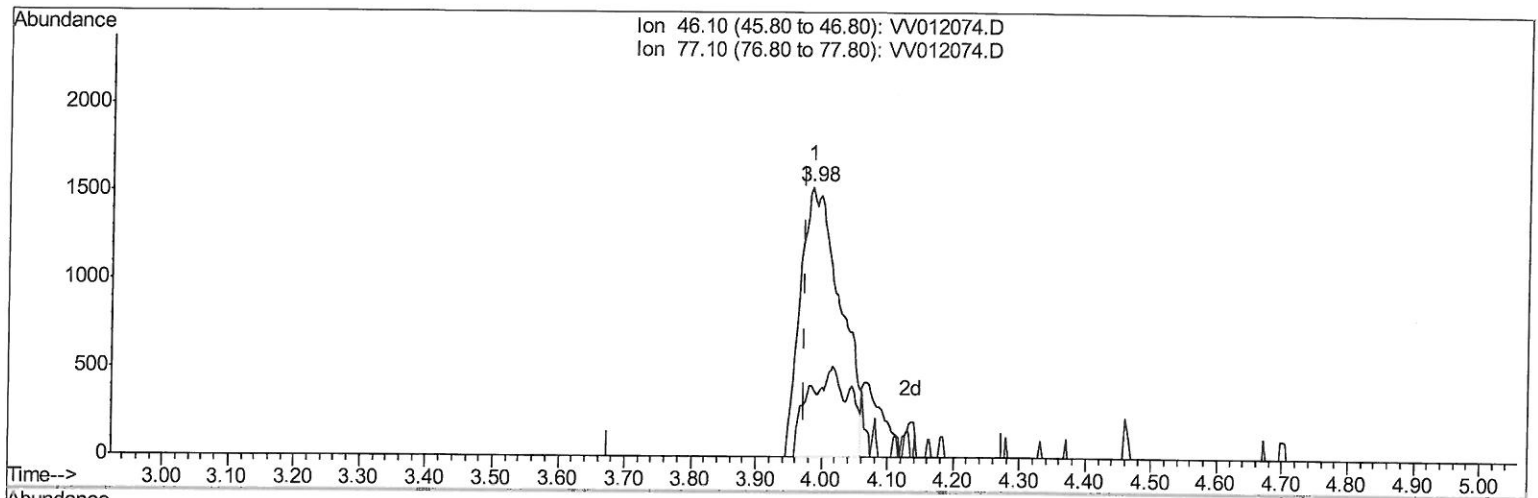
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

3.984min (+0.010) 4.02ug/L m

response 6444

Ion	Exp%	Act%
46.10	100	100
77.10	27.00	9.61#
0.00	0.00	0.00
0.00	0.00	0.00

7 MD
8/2/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (Qedit)

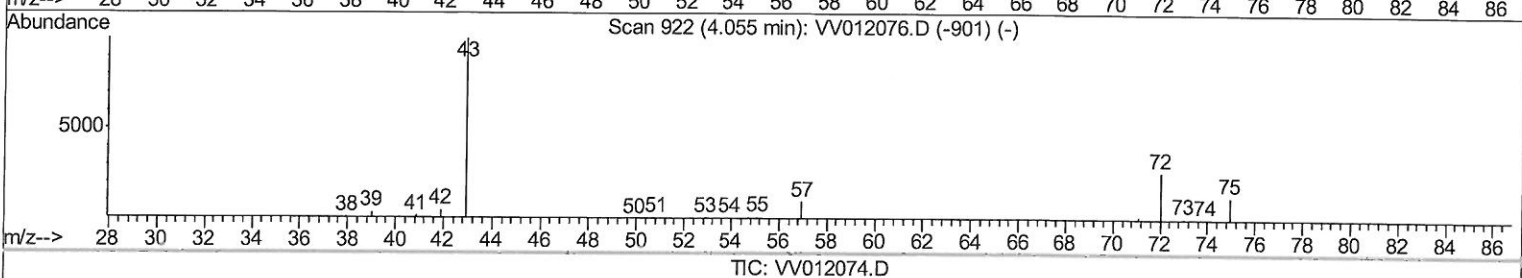
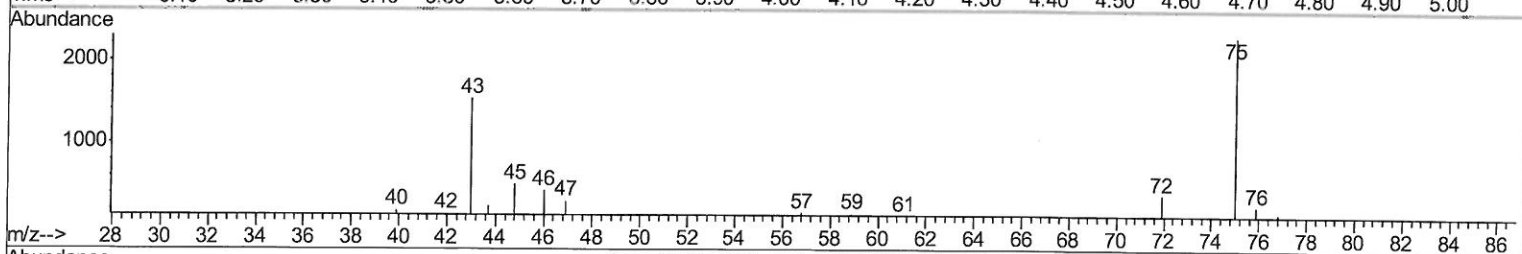
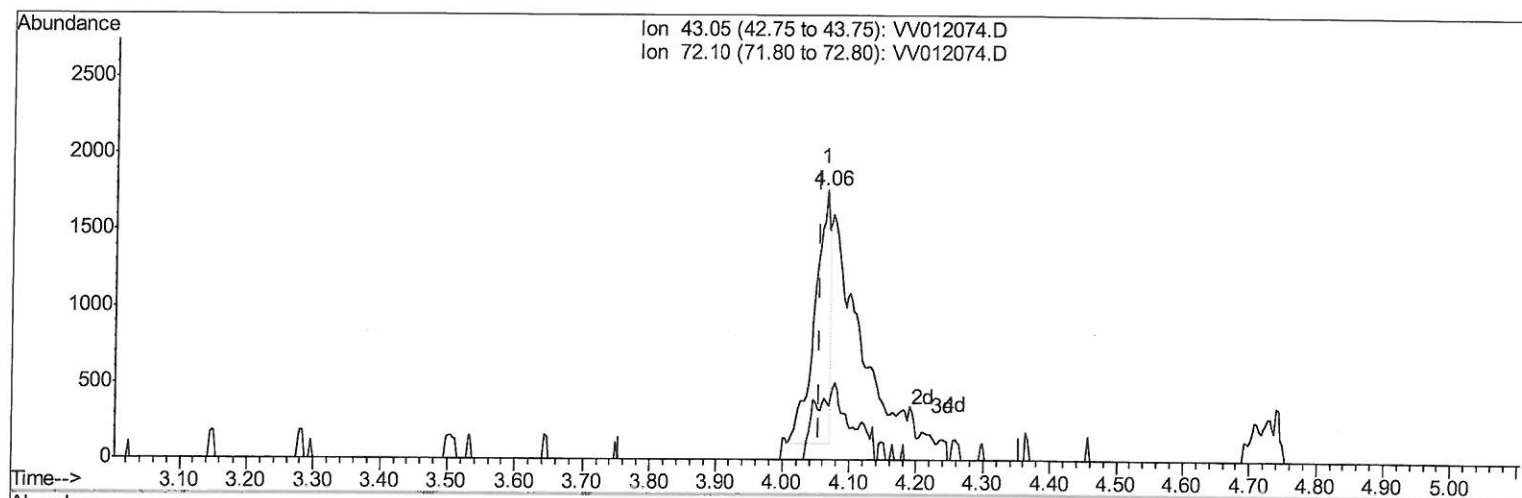
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



(21) 2-Butanone (T)

4.064min (+0.010) 1.72ug/L

response 2781

Ion	Exp%	Act%
43.05	100	100
72.10	28.00	10.36#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (Qedit)

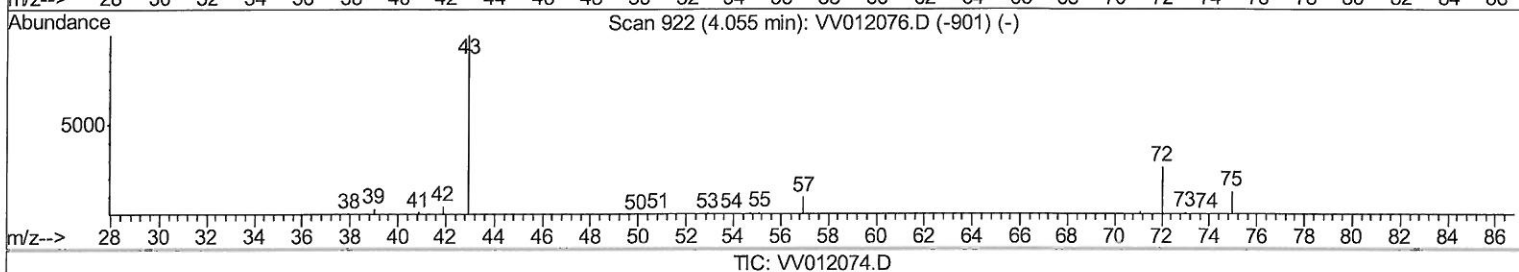
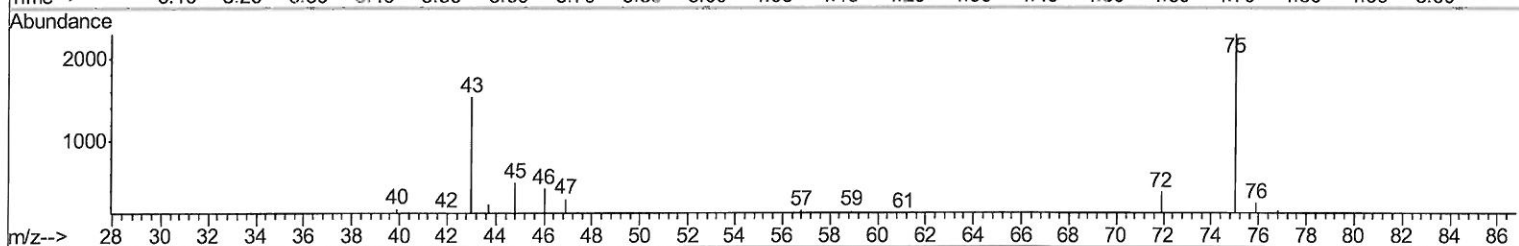
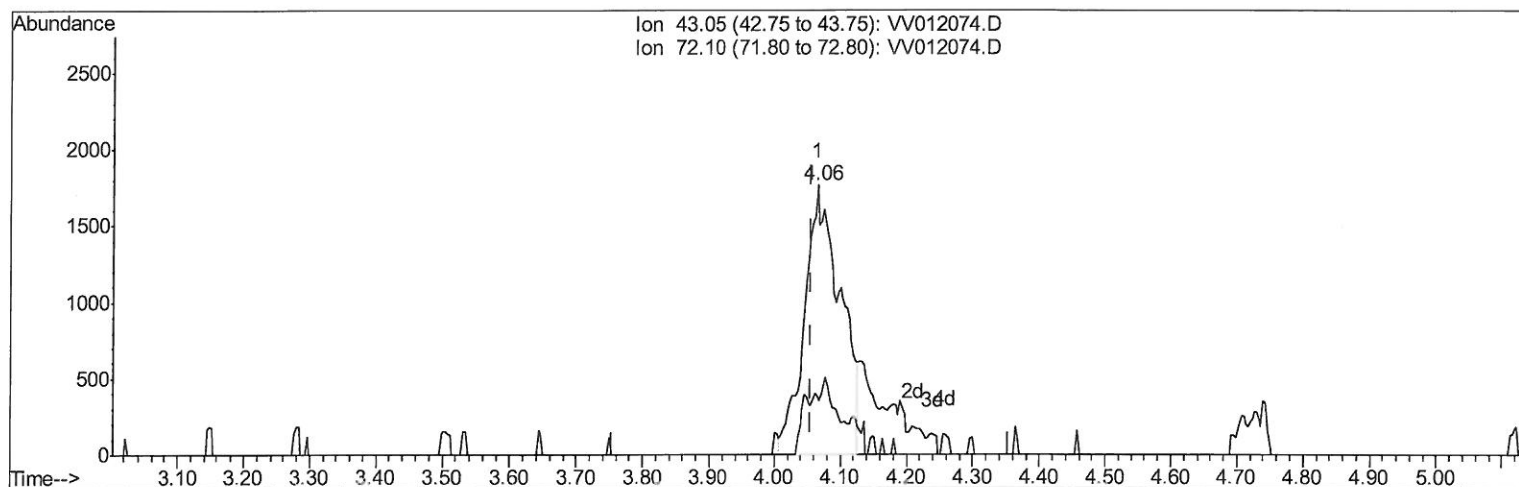
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



(21) 2-Butanone (T)

4.064min (+0.010) 4.09ug/L m

response 6638

Ion Exp% Act%

43.05 100 100

72.10 28.00 4.34#

0.00 0.00 0.00

0.00 0.00 0.00

7 MD
8/2/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (Qedit)

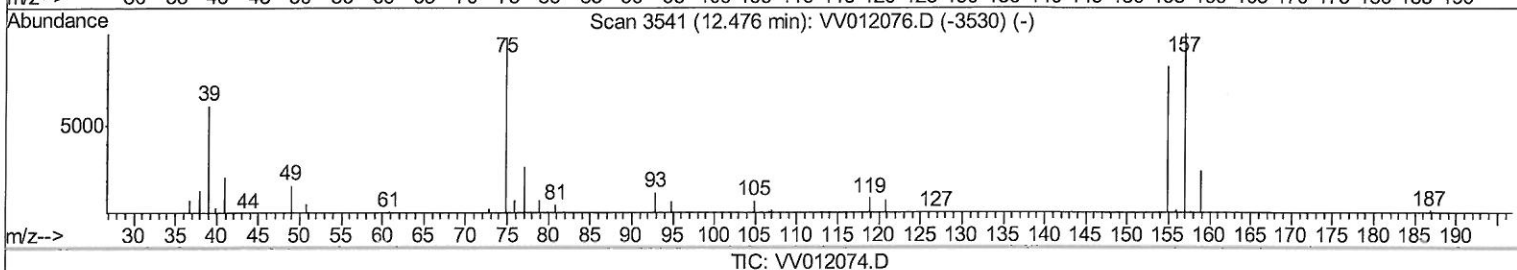
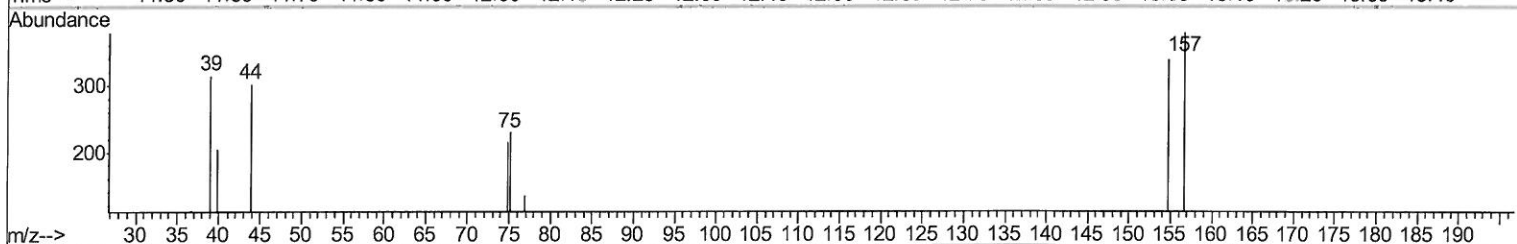
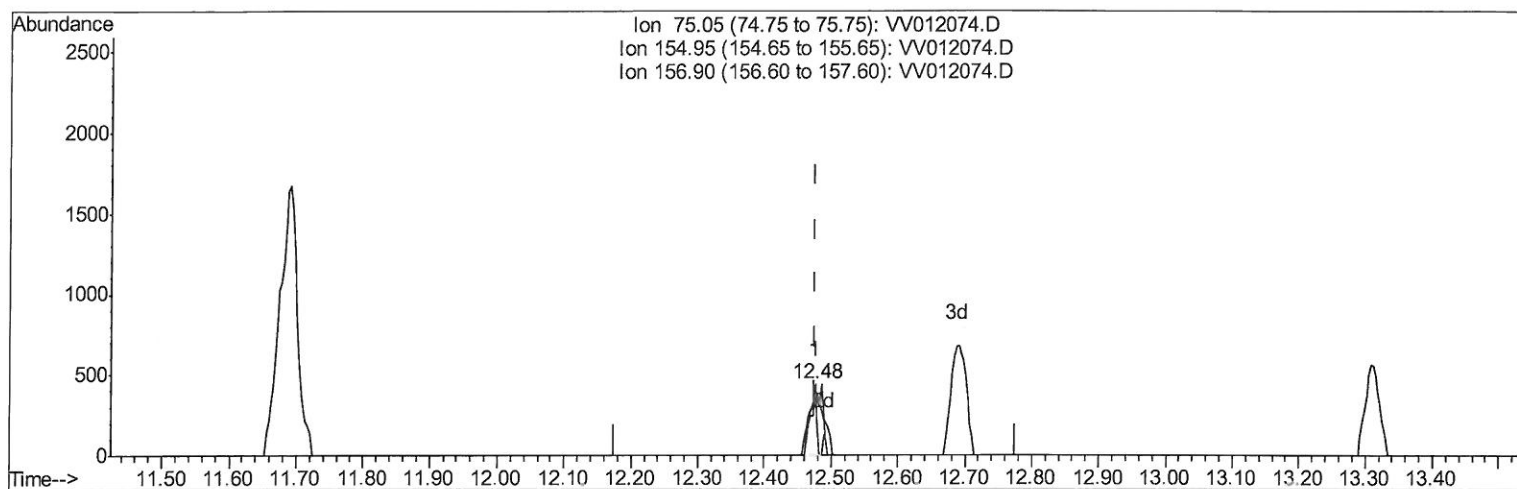
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



(66) 1,2-Dibromo-3-chloropropane (T)

12.476min (-0.000) 0.31ug/L

response 281

Ion	Exp%	Act%
75.05	100	100
154.95	83.60	75.96
156.90	102.20	85.17
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (Qedit)

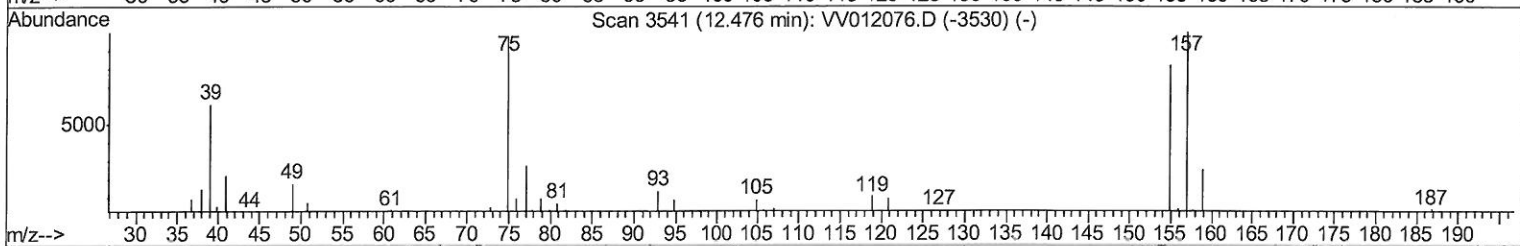
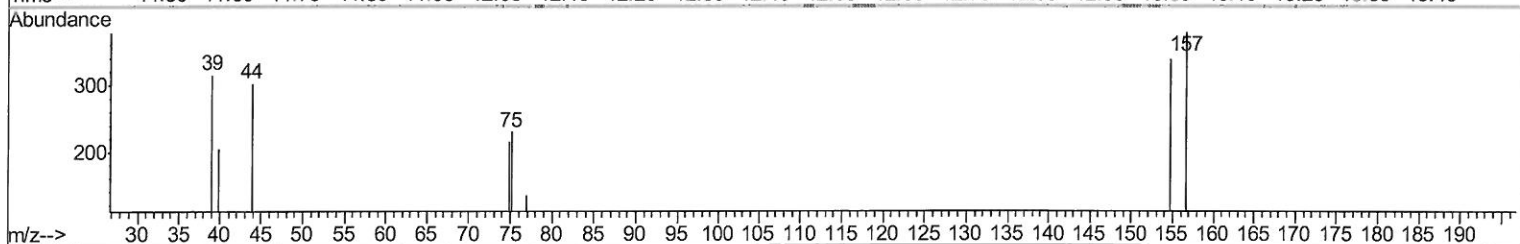
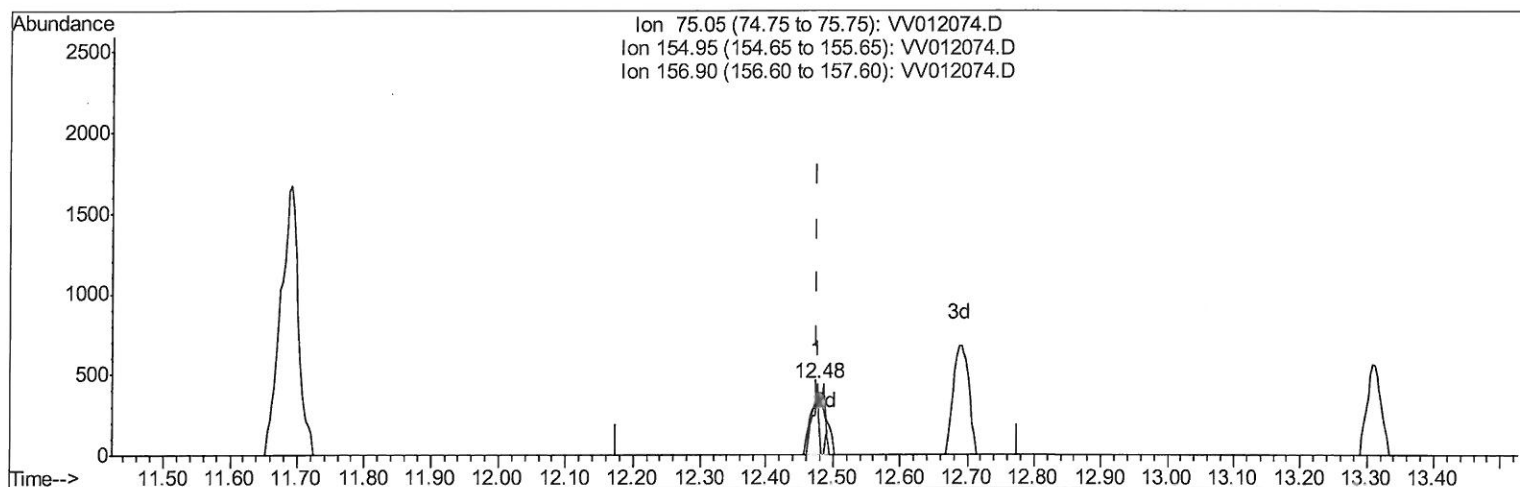
Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration



TIC: VV012074.D

(66) 1,2-Dibromo-3-chloropropane (T)

12.476min (-0.000) 0.36ug/L m

response 327

Ion	Exp%	Act%
75.05	100	100
154.95	83.60	146.96#
156.90	102.20	164.78#
0.00	0.00	0.00

7 ML
8/2/19

Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Quant Time: Jul 31 05:15:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.66	114	121177	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	116303	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60212	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2875	0.50	ug/L	0.00
7) Chloroethane-d5	1.58	69	2227	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	5861	0.49	ug/L	0.00
20) 2-Butanone-d5	3.98	46	6444m	4.02	ug/L	0.00
24) Chloroform-d	4.40	84	7654	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4233	0.49	ug/L	0.00
32) Benzene-d6	5.10	84	13929	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	3752	0.47	ug/L	0.00
41) Toluene-d8	7.36	98	12658	0.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1629	0.45	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	4918	4.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3019	0.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	6070	0.55	ug/L	0.00

MD
8/2/19

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6467	0.481 ug/L	95
3) Chloromethane	1.25	50	3193	0.497 ug/L	83
5) Vinyl chloride	1.32	62	3525	0.503 ug/L	92
6) Bromomethane	1.53	94	2018	0.464 ug/L	91
8) Chloroethane	1.60	64	2024	0.518 ug/L	95
9) Trichlorofluoromethane	1.77	101	6636	0.488 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2731	0.471 ug/L	93
12) 1,1-Dichloroethene	2.14	96	2556	0.481 ug/L	95
13) Acetone	2.23	43	3464m	4.204 ug/L	
14) Carbon disulfide	2.32	76	6894	0.474 ug/L	99
15) Methyl Acetate	2.49	43	1108	0.607 ug/L	86
16) Methylene chloride	2.53	84	3139	0.568 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	8294	0.469 ug/L	93
18) trans-1,2-Dichloroethene	2.78	96	3874	0.489 ug/L	99
19) 1,1-Dichloroethane	3.23	63	6601	0.468 ug/L	94
21) 2-Butanone	4.06	43	6638m	4.094 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	4071	0.479 ug/L	99
23) Bromochloromethane	4.30	128	1822	0.477 ug/L	94
25) Chloroform	4.43	83	9945	0.543 ug/L	97
27) 1,2-Dichloroethane	5.18	62	4628	0.459 ug/L	75
29) 1,1,1-Trichloroethane	4.66	97	7175	0.475 ug/L	96
30) Cyclohexane	4.73	56	4943	0.429 ug/L	98
31) Carbon tetrachloride	4.87	117	6250	0.461 ug/L	99
33) Benzene	5.15	78	14241	0.462 ug/L	100
34) Trichloroethene	5.96	95	4145	0.466 ug/L	88
35) Methylcyclohexane	6.17	83	6242	0.463 ug/L	95
37) 1,2-Dichloropropane	6.22	63	3626	0.509 ug/L	89
38) Bromodichloromethane	6.56	83	4889	0.467 ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	4727	0.426 ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	16919	4.360 ug/L	96

} #

MD
8/2/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073119\
Quantitation Report (QT Reviewed)

Data File : VV012074.D
Acq On : 30 Jul 2019 17:12
Operator : SY/MD
Sample : VSTD0.533
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 31 05:15:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 04:53:35 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
Client Sampled :
VSTD0.533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 5:40:23 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
42) Toluene	7.43	91	14908	0.442	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	3737	0.417	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	2513	0.473	ug/L	94
47) Tetrachloroethene	8.02	164	3871	0.479	ug/L	87
48) 2-Hexanone	8.19	43	11114	4.118	ug/L	96
49) Dibromochloromethane	8.29	129	2951	0.428	ug/L	94
50) 1,2-Dibromoethane	8.40	107	2308	0.453	ug/L #	99
51) Chlorobenzene	8.93	112	10566	0.463	ug/L	97
52) Ethylbenzene	9.05	91	16745	0.431	ug/L	99
53) m,p-xylene	9.18	106	6360	0.427	ug/L	90
54) o-xylene	9.59	106	6257	0.438	ug/L	97
55) Styrene	9.60	104	10200	0.421	ug/L	98
56) Isopropylbenzene	9.97	105	16834	0.425	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	2717	0.463	ug/L	91
59) 1,2,3-Trichloropropane	10.32	75	1998	0.451	ug/L	95
61) Bromoform	9.77	173	1589	0.444	ug/L #	88
62) 1,3-Dichlorobenzene	11.22	146	8654	0.466	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	9383	0.495	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	7978	0.476	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	327m	0.363	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	7221	0.475	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	5680	0.463	ug/L	99
69) Naphthalene	13.55	128	6484	0.392	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.79	180	4939	0.452	ug/L	99

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

M8
8/2/19