

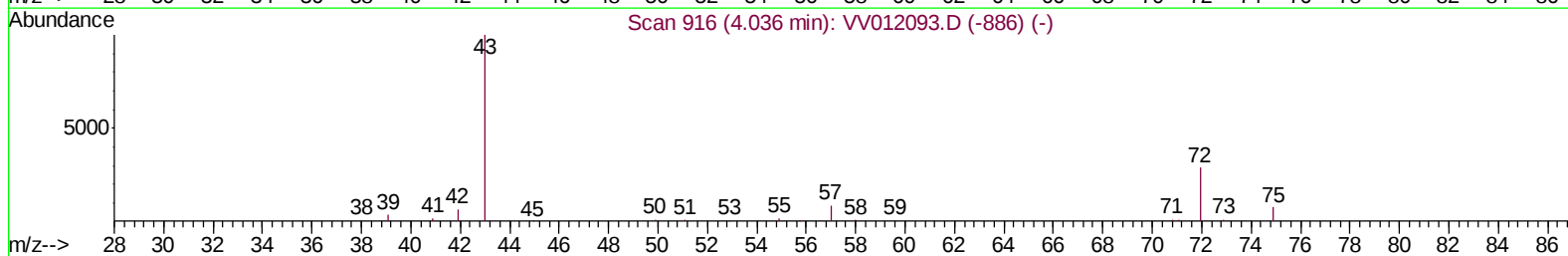
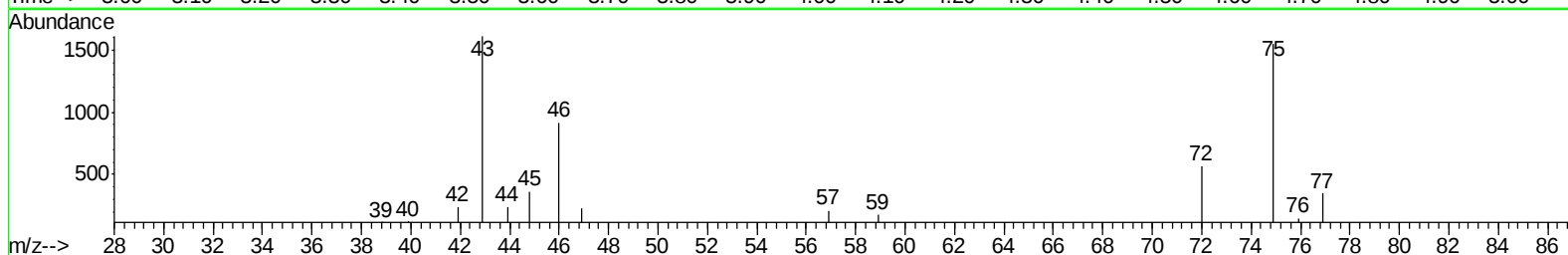
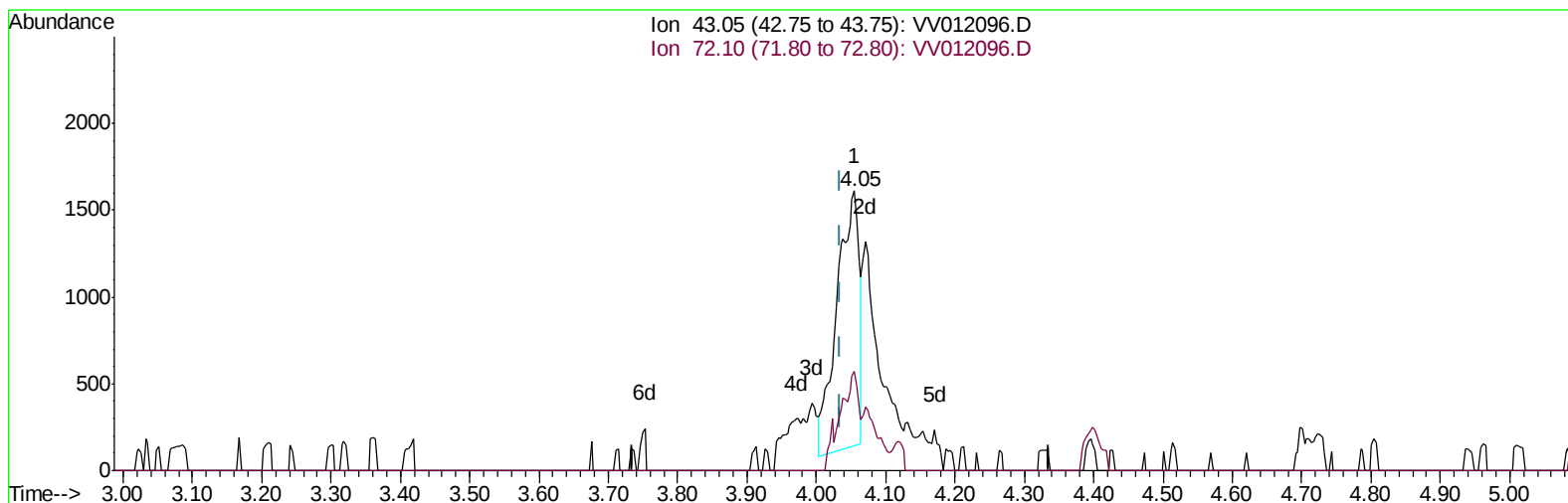
Data File : VV012096.D
Acq On : 02 Aug 2019 11:57
Operator : SY/MD
Sample : MDL07
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
8/6/2019 9:56:05 AM

Quant Time: Aug 02 23:57:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration



TIC: VV012096.D

(21) 2-Butanone (T)
4.055min (+0.019) 1.54ug/L

response 3299

Ion	Exp%	Act%
43.05	100	100
72.10	26.80	28.22
0.00	0.00	0.00
0.00	0.00	0.00

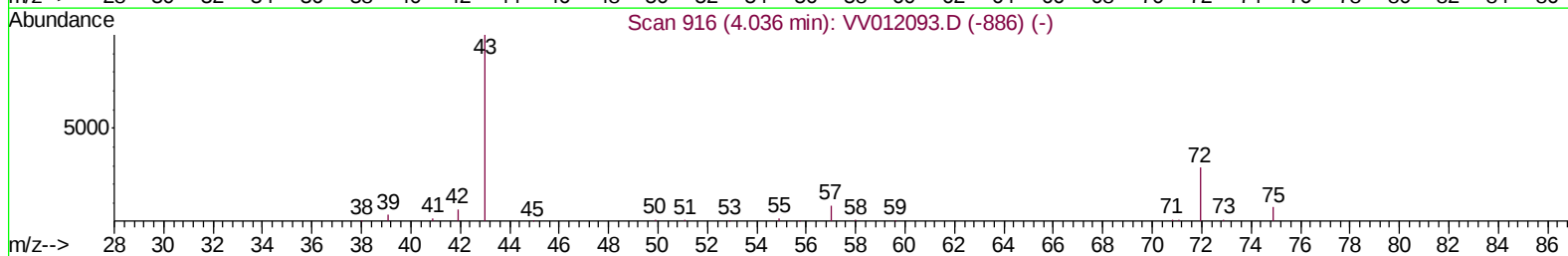
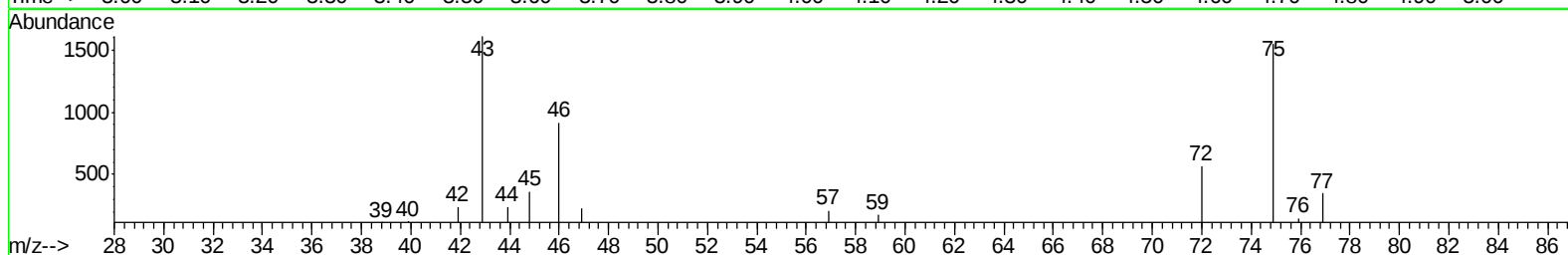
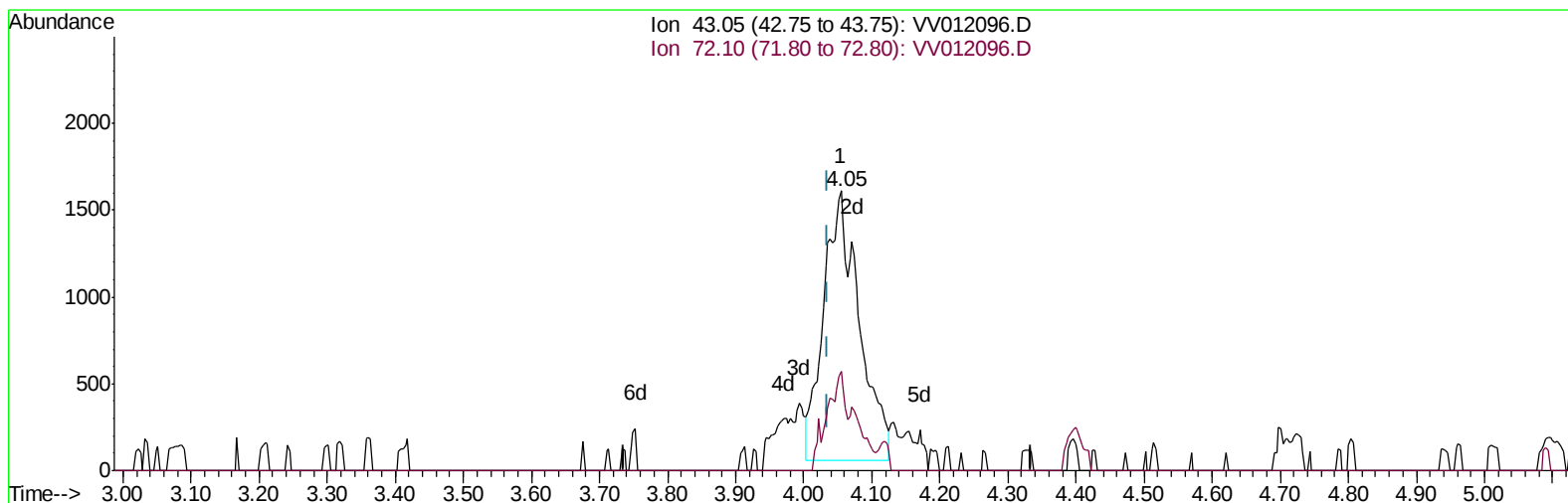
Data File : VV012096.D
Acq On : 02 Aug 2019 11:57
Operator : SY/MD
Sample : MDL07
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
8/6/2019 9:56:05 AM

Quant Time: Aug 02 23:57:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration



TIC: VV012096.D

(21) 2-Butanone (T)
4.055min (+0.019) 2.62ug/L m
response 5616

Ion	Exp%	Act%
43.05	100	100
72.10	26.80	16.58
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV012096.D

Acq On : 02 Aug 2019 11:57

Operator : SY/MD

Sample : MDL07

Misc : 25ML/MSVOA_V/WATER

ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Manual Integrations
APPROVED

MMDadoda
8/6/2019 9:56:05 AM

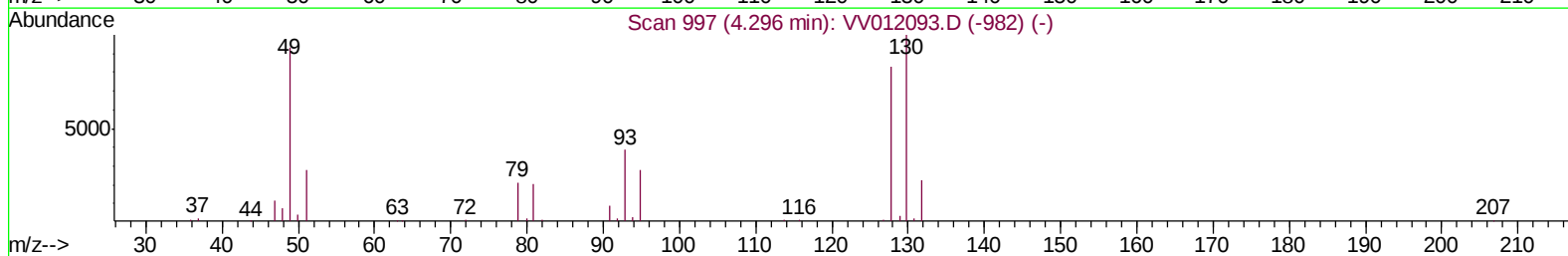
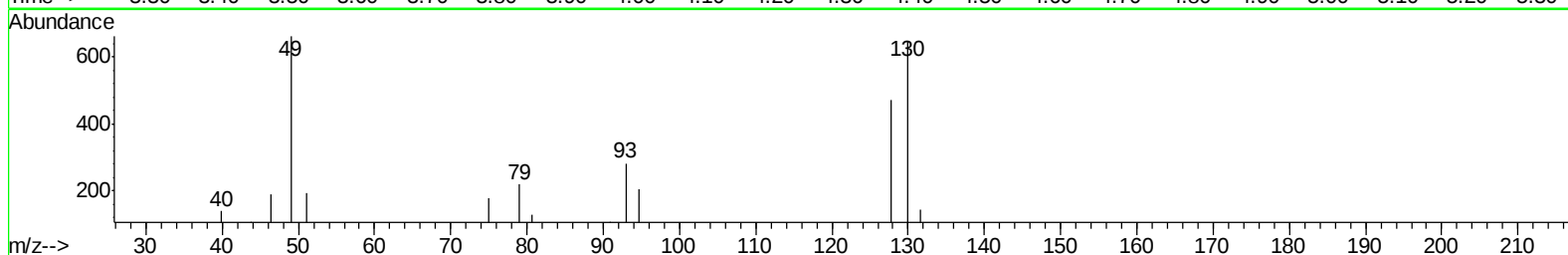
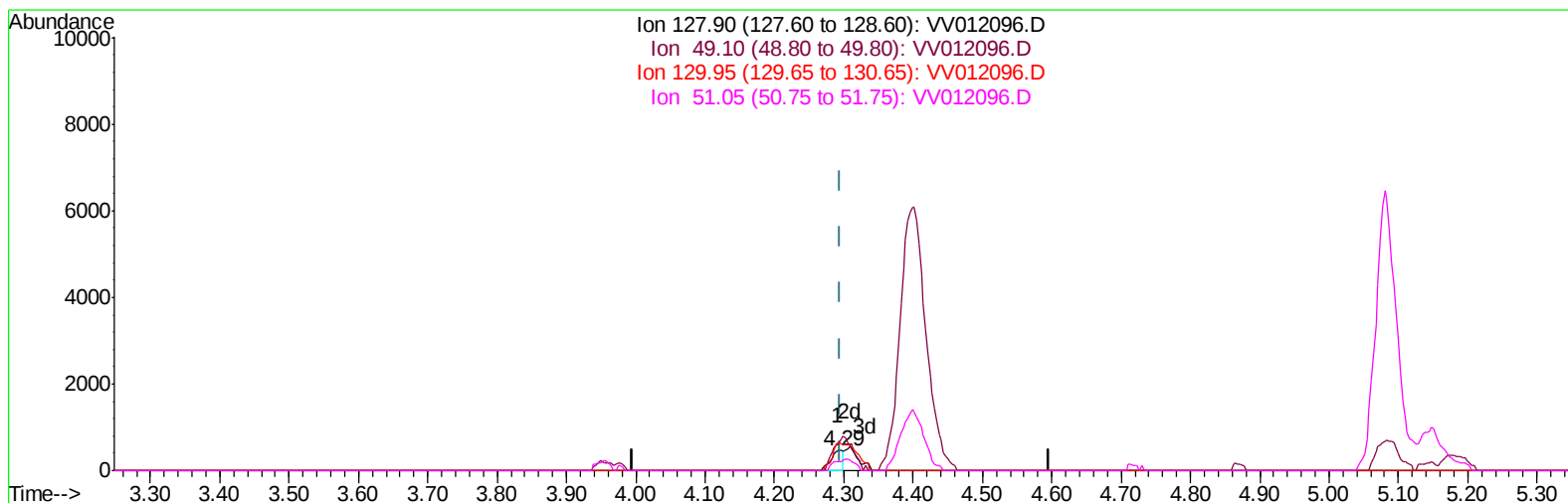
Quant Time: Aug 02 23:57:57 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 02 23:54:58 2019

Response via : Initial Calibration



TIC: VV012096.D

(23) Bromochloromethane (T)

4.293min (-0.003) 0.13ug/L

response 596

Ion	Exp%	Act%
127.90	100	100
49.10	150.10	140.94
129.95	127.00	137.31
51.05	45.20	41.36

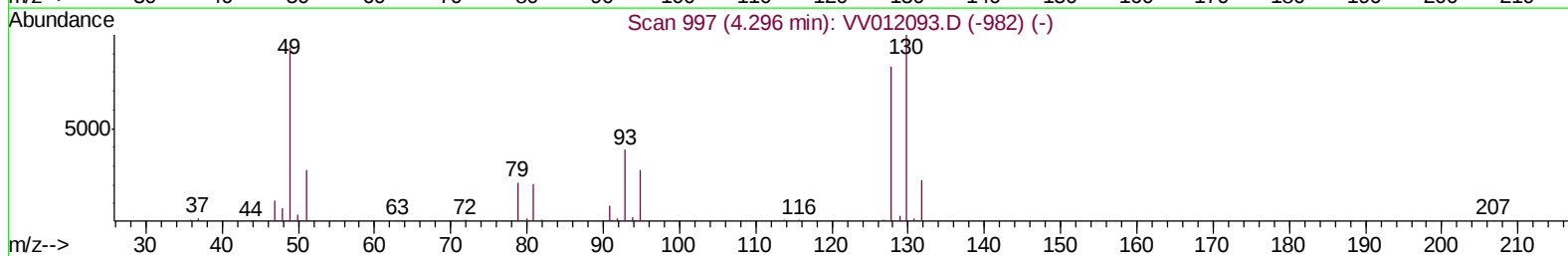
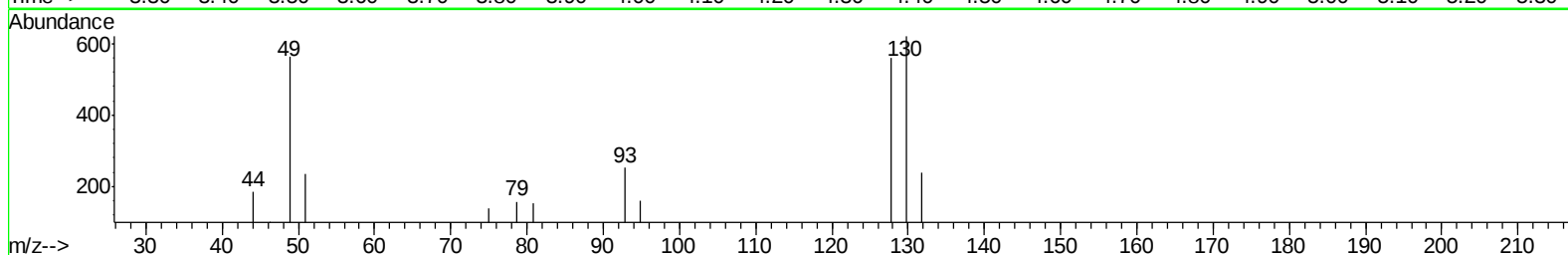
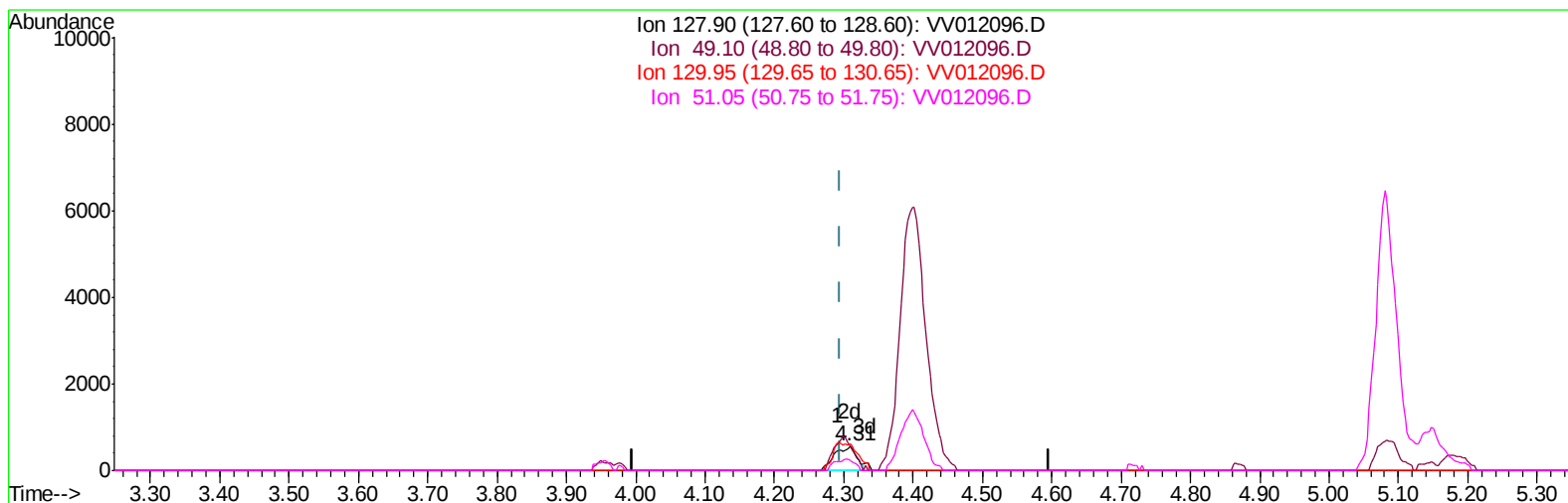
Data File : VV012096.D
Acq On : 02 Aug 2019 11:57
Operator : SY/MD
Sample : MDL07
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
8/6/2019 9:56:05 AM

Quant Time: Aug 02 23:57:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration



TIC: VV012096.D

(23) Bromochloromethane (T)

4.309min (+0.013) 0.26ug/L m

response 1226

Ion	Exp%	Act%
127.90	100	100
49.10	150.10	100.54#
129.95	127.00	110.91
51.05	45.20	42.04

Data File : VV012096.D
Acq On : 02 Aug 2019 11:57
Operator : SY/MD
Sample : MDL07
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
8/6/2019 9:56:05 AM

Quant Time: Aug 03 00:08:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	153746	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	144807	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	78348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33089	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	26130	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.13	63	51795	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.96	46	79094	40.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.04%
24) Chloroform-d	4.40	84	86511	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.08	65	46739	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.10	84	162987	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.12	67	43331	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.36	98	159319	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	20567	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.13	63	66412	42.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.20%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	32228	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
66) 1,2-Dichlorobenzene-d4	11.67	152	65188	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4535	0.259 ug/L	97
3) Chloromethane	1.25	50	2409	0.240 ug/L	86
5) Vinyl chloride	1.32	62	2445	0.238 ug/L #	81
6) Bromomethane	1.54	94	1230	0.201 ug/L	97
8) Chloroethane	1.60	64	1385	0.248 ug/L	96
9) Trichlorofluoromethane	1.77	101	4761	0.271 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2745	0.360 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	2275	0.322 ug/L #	1
13) Acetone	2.22	43	3807	3.500 ug/L	93
14) Carbon disulfide	2.32	76	5212	0.264 ug/L #	93
15) Methyl Acetate	2.46	43	803	0.359 ug/L #	80
16) Methylene chloride	2.53	84	3178	0.439 ug/L	81
17) Methyl tert-butyl Ether	2.80	73	6112	0.275 ug/L #	93
18) trans-1,2-Dichloroethene	2.79	96	2744	0.270 ug/L	93
19) 1,1-Dichloroethane	3.23	63	5024	0.276 ug/L	89
21) 2-Butanone	4.05	43	5616m	2.617 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2924	0.270 ug/L	96

Data File : VV012096.D
Acq On : 02 Aug 2019 11:57
Operator : SY/MD
Sample : MDL07
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
8/6/2019 9:56:05 AM

Quant Time: Aug 03 00:08:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	1226m	0.258	ug/L	
25) Chloroform	4.42	83	8681	0.380	ug/L	96
27) 1,2-Dichloroethane	5.19	62	3932	0.312	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	5394	0.301	ug/L	95
30) Cyclohexane	4.72	56	3770	0.246	ug/L #	86
31) Carbon tetrachloride	4.87	117	5137	0.319	ug/L	96
33) Benzene	5.14	78	10744	0.273	ug/L	100
34) Trichloroethene	5.96	95	3086	0.275	ug/L	95
35) Methylcyclohexane	6.17	83	4669	0.266	ug/L	97
37) 1,2-Dichloropropane	6.23	63	2350	0.258	ug/L #	91
38) Bromodichloromethane	6.55	83	4093	0.319	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	4018	0.282	ug/L #	81
40) 4-Methyl-2-pentanone	7.28	43	12697	2.473	ug/L #	86
42) Toluene	7.43	91	12261	0.280	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	3525	0.306	ug/L #	77
45) 1,1,2-Trichloroethane	7.88	97	1780	0.256	ug/L #	64
47) Tetrachloroethene	8.02	164	3006	0.307	ug/L	95
48) 2-Hexanone	8.19	43	9606	2.648	ug/L	94
49) Dibromochloromethane	8.29	129	2531	0.297	ug/L	89
50) 1,2-Dibromoethane	8.40	107	1928	0.297	ug/L #	95
51) Chlorobenzene	8.92	112	8055	0.275	ug/L	95
52) Ethylbenzene	9.05	91	13267	0.266	ug/L	98
53) m,p-xylene	9.18	106	4917	0.259	ug/L	96
54) o-xylene	9.59	106	4944	0.275	ug/L	98
55) Styrene	9.60	104	7376	0.243	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.29	83	2372	0.318	ug/L	99
59) Bromoform	9.77	173	1433	0.303	ug/L #	88
60) Isopropylbenzene	9.97	105	13023	0.260	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	1636	0.286	ug/L	94
62) 1,3,5-Trimethylbenzene	10.58	105	11609	0.281	ug/L	99
63) 1,2,4-Trimethylbenzene	10.96	105	10312	0.251	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	6883	0.276	ug/L	94
65) 1,4-Dichlorobenzene	11.32	146	7396	0.291	ug/L	95
67) 1,2-Dichlorobenzene	11.69	146	6789	0.300	ug/L	91
68) 1,2-Dibromo-3-chloropropan	12.47	75	333	0.283	ug/L #	88
69) 1,3,5-Trichlorobenzene	12.69	180	6464	0.313	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	4657	0.285	ug/L	97
71) Naphthalene	13.55	128	6237	0.275	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	4545	0.314	ug/L	92

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

Data File : VV012096.D

```
Acq On       : 02 Aug 2019   11:57
Operator     : SY/MD
Sample       : MDL07
Misc         : 25ML/MSVOA_V/WATER
ALS Vial     : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations APPROVED

MMDadoda
8/6/2019 9:56:05 AM

Quant Time: Aug 03 00:08:56 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVQA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration

