

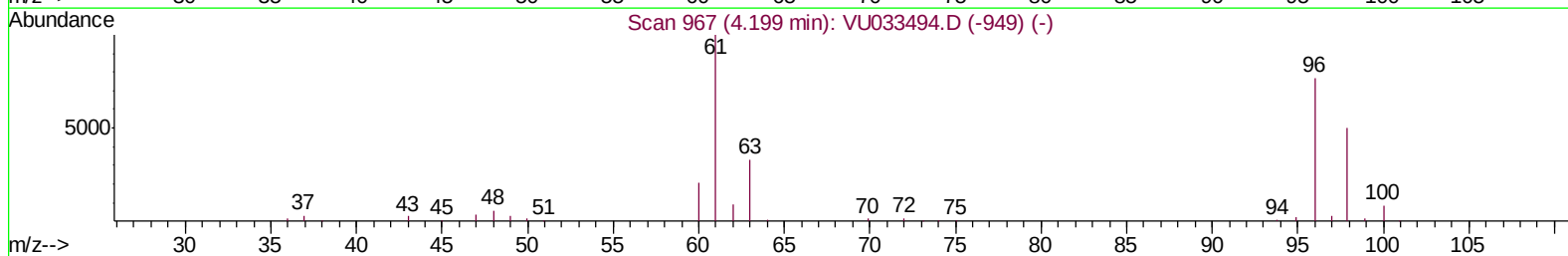
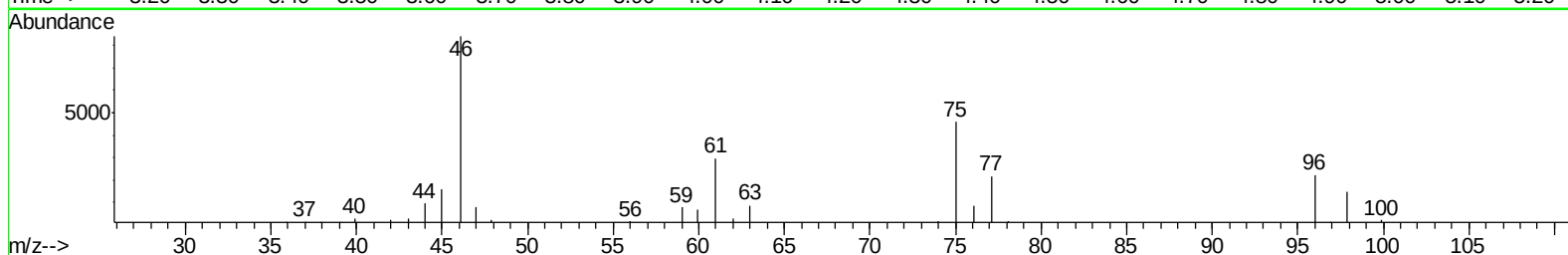
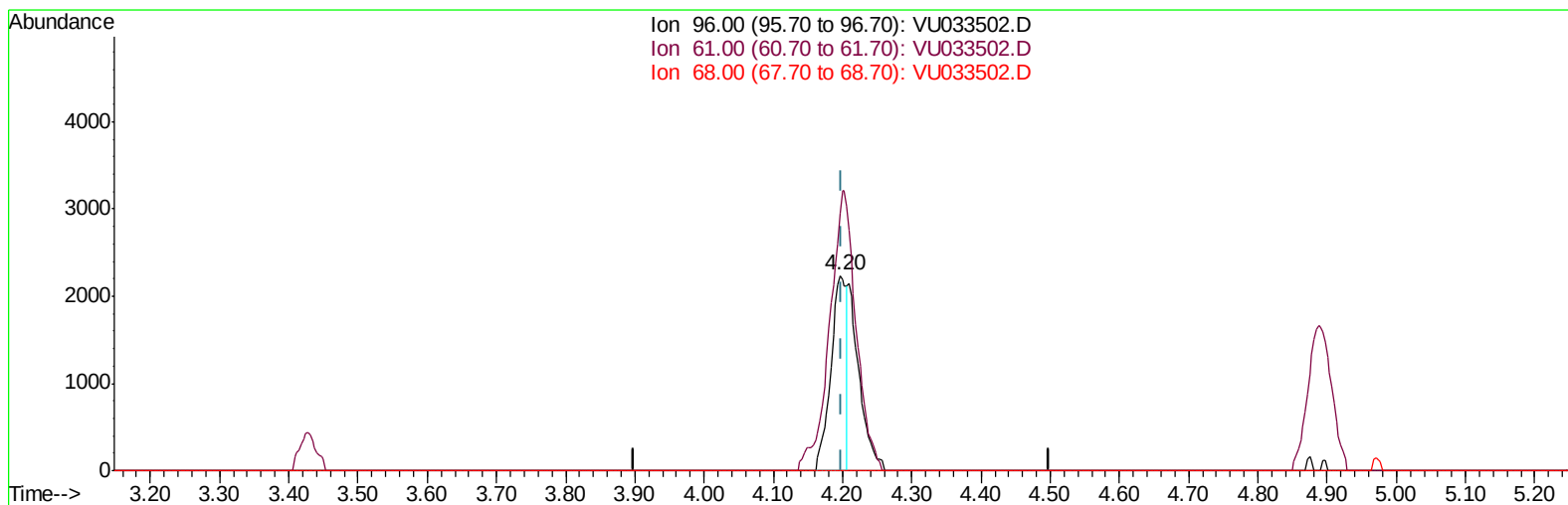
Data File : VU033502.D
Acq On : 30 Jul 2019 19:12
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:59 AM

Quant Time: Jul 31 08:08:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration



TIC: VU033502.D

(20) cis-1,2-Dichloroethene (T)

4.196min (-0.003) 1.43ug/L

response 3515

Ion	Exp%	Act%
96.00	100	100
61.00	130.50	132.11
68.00	0.00	0.00
0.00	0.00	0.00

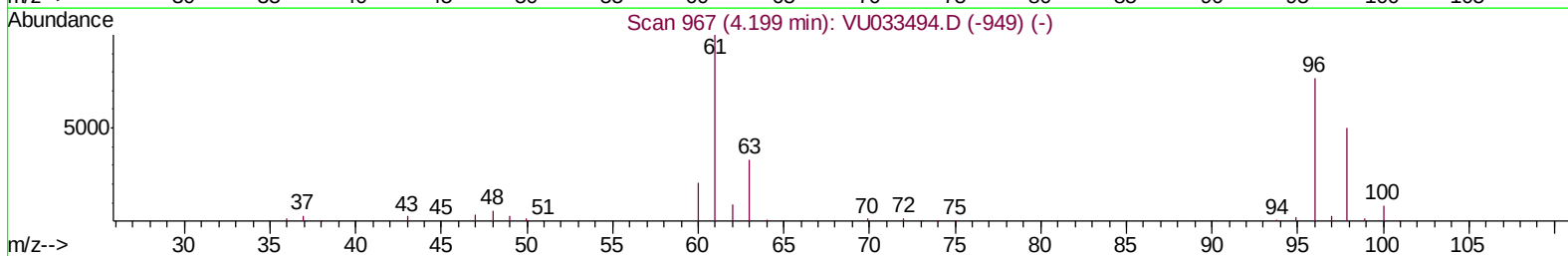
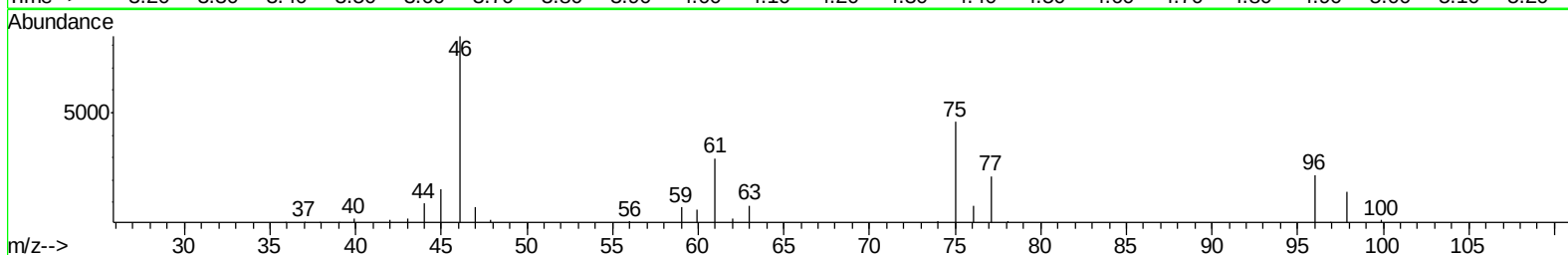
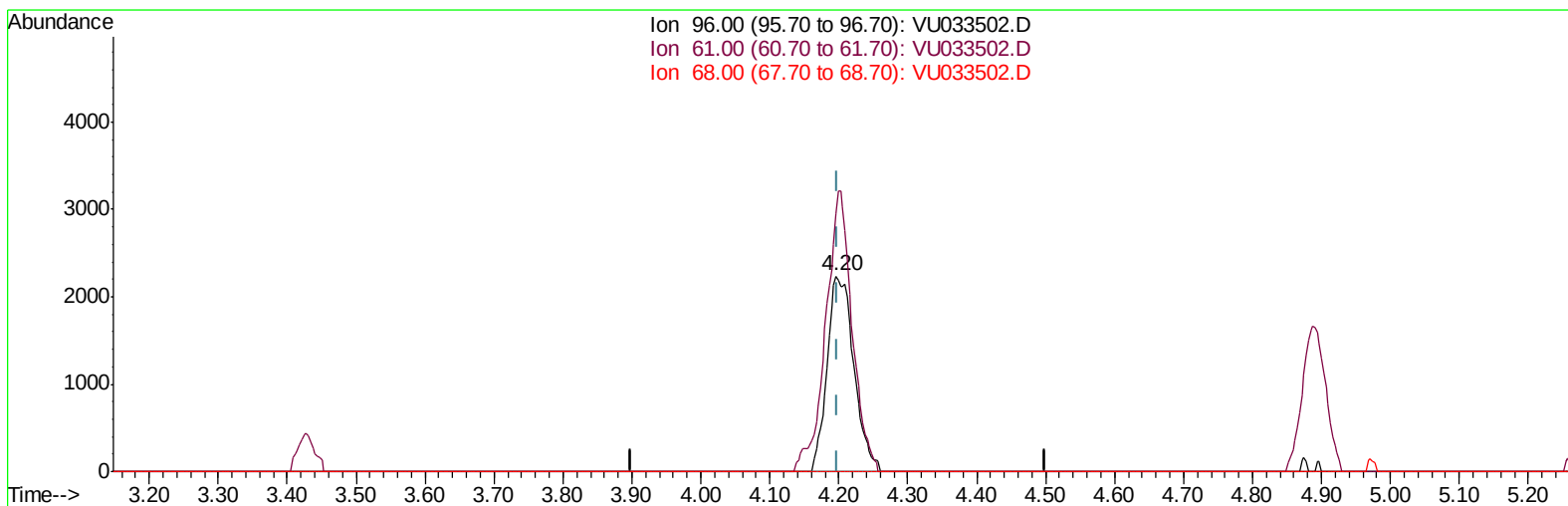
Data File : VU033502.D
Acq On : 30 Jul 2019 19:12
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:59 AM

Quant Time: Jul 31 08:08:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration



TIC: VU033502.D

(20) cis-1,2-Dichloroethene (T)

4.196min (-0.003) 2.44ug/L m

response 5989

Ion	Exp%	Act%
96.00	100	100
61.00	130.50	132.11
68.00	0.00	0.00
0.00	0.00	0.00

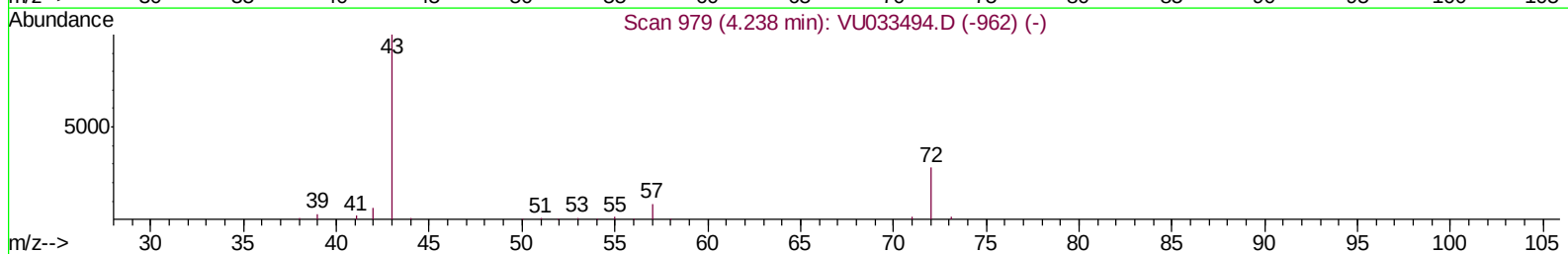
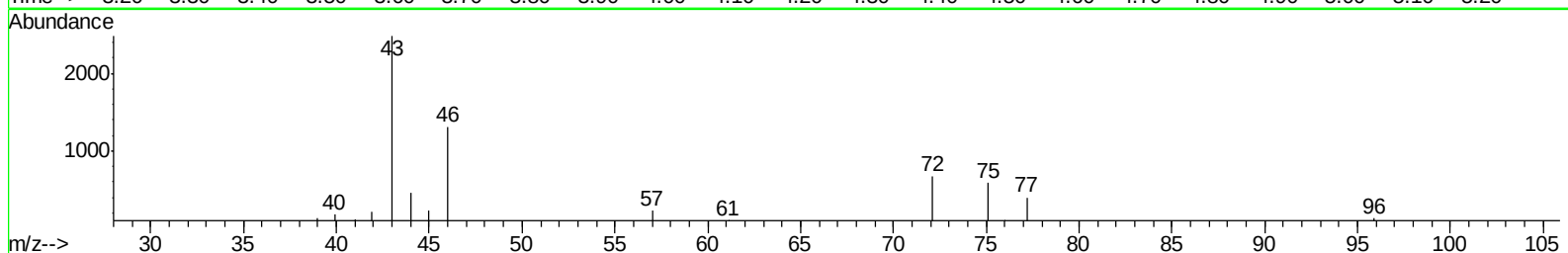
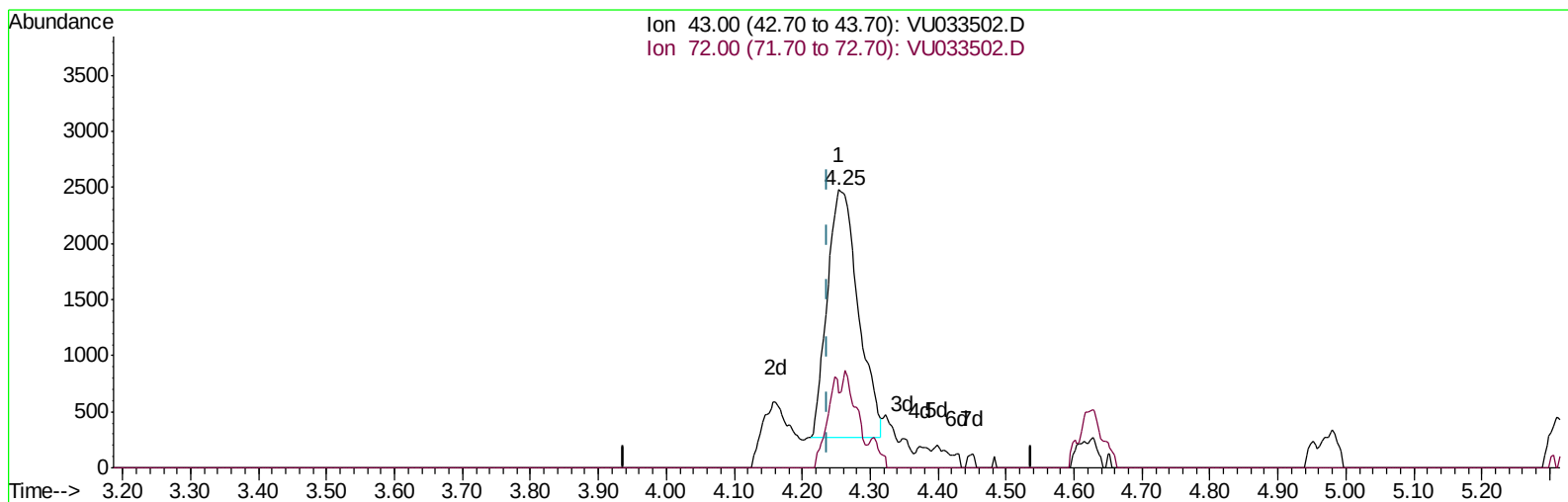
Data File : VU033502.D
Acq On : 30 Jul 2019 19:12
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:59 AM

Quant Time: Jul 31 08:08:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration



TIC: VU033502.D

(22) 2-Butanone (T)
4.254min (+0.016) 3.69ug/L

response 6976

Ion	Exp%	Act%
43.00	100	100
72.00	28.40	14.26
0.00	0.00	0.00
0.00	0.00	0.00

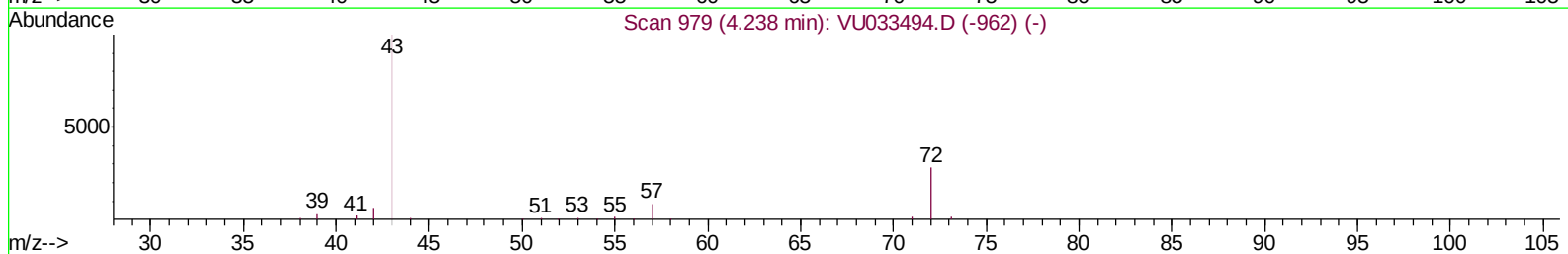
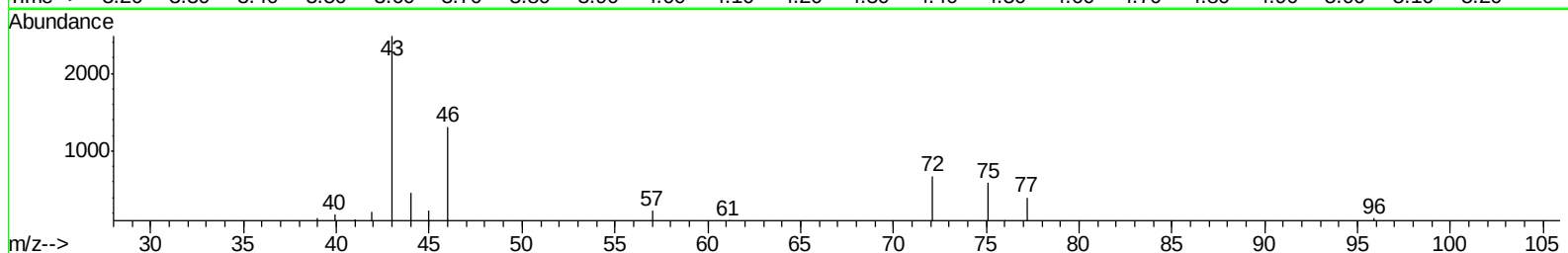
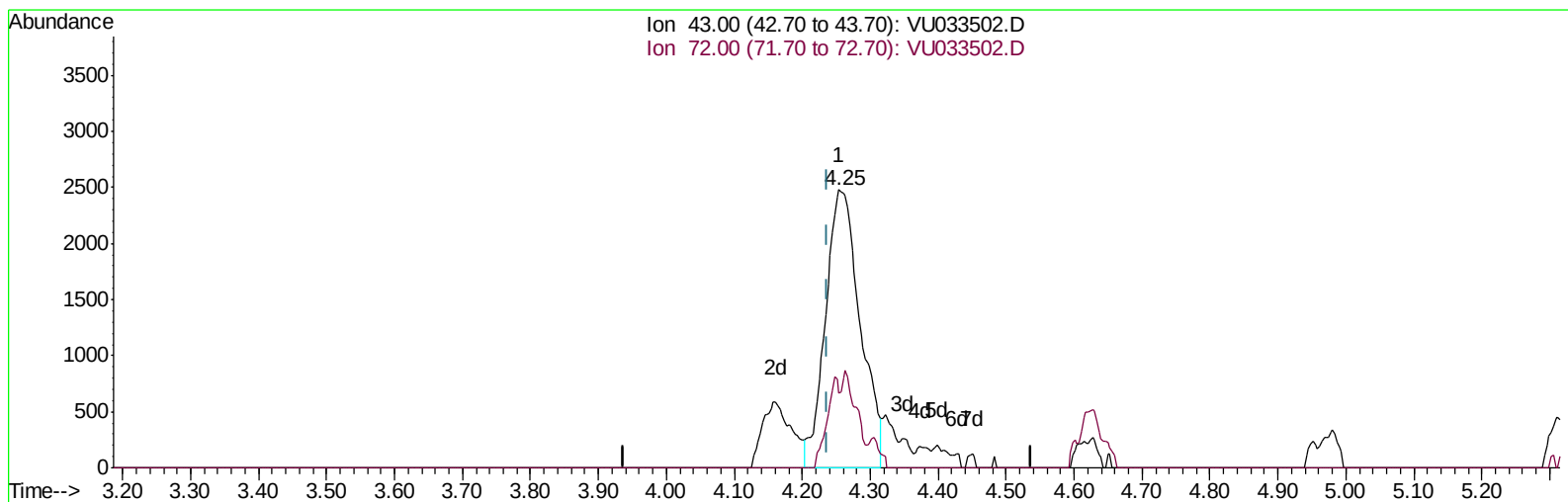
Data File : VU033502.D
Acq On : 30 Jul 2019 19:12
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:59 AM

Quant Time: Jul 31 08:08:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration



TIC: VU033502.D

(22) 2-Butanone (T)
4.254min (+0.016) 4.66ug/L m

response 8809

Ion	Exp%	Act%
43.00	100	100
72.00	28.40	11.30#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VU033502.D
Acq On : 30 Jul 2019 19:12
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:59 AM

Quant Time: Jul 31 08:26:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	321706	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	313794	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	154768	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	111576	47.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.40%
7) Chloroethane-d5	1.67	69	96764	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.44%
11) 1,1-Dichloroethene-d2	2.26	63	153784	36.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.46%
21) 2-Butanone-d5	4.15	46	157607	101.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.73%
24) Chloroform-d	4.62	84	188732	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
26) 1,2-Dichloroethane-d4	5.29	65	122934	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
32) Benzene-d6	5.32	84	389426	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.12%
36) 1,2-Dichloropropane-d6	6.31	67	124234	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.90%
41) Toluene-d8	7.55	98	357844	49.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.18%
43) trans-1,3-Dichloropropene-	7.83	79	57686	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.38%
47) 2-Hexanone-d5	8.30	63	119146	102.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.91%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	181248	48.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	143115	50.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7336	2.418 ug/L	98
3) Chloromethane	1.32	50	7758	2.539 ug/L	99
5) Vinyl chloride	1.40	62	8393	2.562 ug/L #	68
6) Bromomethane	1.62	94	6000	2.076 ug/L	99
8) Chloroethane	1.69	64	5750	2.889 ug/L	90
9) Trichlorofluoromethane	1.87	101	10786	2.517 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6616	3.045 ug/L	85
12) 1,1-Dichloroethene	2.27	96	6648	3.191 ug/L #	1
13) Acetone	2.31	43	8183	5.163 ug/L	93
14) Carbon disulfide	2.46	76	17534	2.683 ug/L	99
15) Methyl Acetate	2.60	43	6126	2.428 ug/L	92
16) Methylene chloride	2.68	84	6343	2.666 ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	5508	2.524 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	15394	2.313 ug/L	98
19) 1,1-Dichloroethane	3.42	63	10256	2.503 ug/L	95
20) cis-1,2-Dichloroethene	4.20	96	5989m	2.445 ug/L	
22) 2-Butanone	4.25	43	8809m	4.655 ug/L	

Data File : VU033502.D
Acq On : 30 Jul 2019 19:12
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:59 AM

Quant Time: Jul 31 08:26:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	2958	2.314	ug/L	92
25) Chloroform	4.65	83	15196	3.525	ug/L	98
27) 1,2-Dichloroethane	5.38	62	8101	2.440	ug/L	99
29) Cyclohexane	4.97	56	7830	2.288	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	8958	2.481	ug/L	99
31) Carbon tetrachloride	5.11	117	7384	2.348	ug/L	95
33) Benzene	5.37	78	24132	2.666	ug/L	100
34) Trichloroethene	6.17	95	6101	2.555	ug/L	94
35) Methylcyclohexane	6.40	83	8615	2.312	ug/L	98
37) 1,2-Dichloropropane	6.42	63	5983	2.469	ug/L #	90
38) Bromodichloromethane	6.74	83	7706	2.460	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	9077	2.400	ug/L	94
40) 4-Methyl-2-pentanone	7.45	43	15229	4.552	ug/L	99
42) Toluene	7.62	91	25537	2.624	ug/L	95
44) trans-1,3-Dichloropropene	7.86	75	8691	2.543	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	5732	2.492	ug/L	95
46) Tetrachloroethene	8.21	164	4725	2.424	ug/L	94
48) 2-Hexanone	8.35	43	14558	5.383	ug/L	97
49) Dibromochloromethane	8.46	129	6250	2.388	ug/L	90
50) 1,2-Dibromoethane	8.57	107	6558	2.574	ug/L #	87
51) Chlorobenzene	9.10	112	16297	2.557	ug/L	96
52) Ethylbenzene	9.23	91	24951	2.380	ug/L	97
53) m,p-Xylene	9.36	106	8410	2.090	ug/L	86
54) o-xylene	9.76	106	8407	2.154	ug/L	94
55) Styrene	9.78	104	13959	2.106	ug/L	90
56) Isopropylbenzene	10.15	105	21226	2.081	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	11212	2.702	ug/L	94
59) 1,2,3-Trichloropropane	10.48	75	7908	2.473	ug/L	99
61) Bromoform	9.94	173	4860	2.600	ug/L #	98
62) 1,3-Dichlorobenzene	11.40	146	12525	2.635	ug/L	94
63) 1,4-Dichlorobenzene	11.49	146	13426	2.719	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	12887	2.681	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.65	75	2121	2.389	ug/L	90
67) 1,3,5-Trichlorobenzene	12.88	180	9802	2.556	ug/L	94
68) 1,2,4-trichlorobenzene	13.50	180	6229	1.901	ug/L	98
69) Naphthalene	13.74	128	14408	1.533	ug/L	95
70) 1,2,3-Trichlorobenzene	13.98	180	7652	2.221	ug/L	94

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

Data File : VU033502.D
Acq On : 30 Jul 2019 19:12
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:59 AM

Quant Time: Jul 31 08:26:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration

