

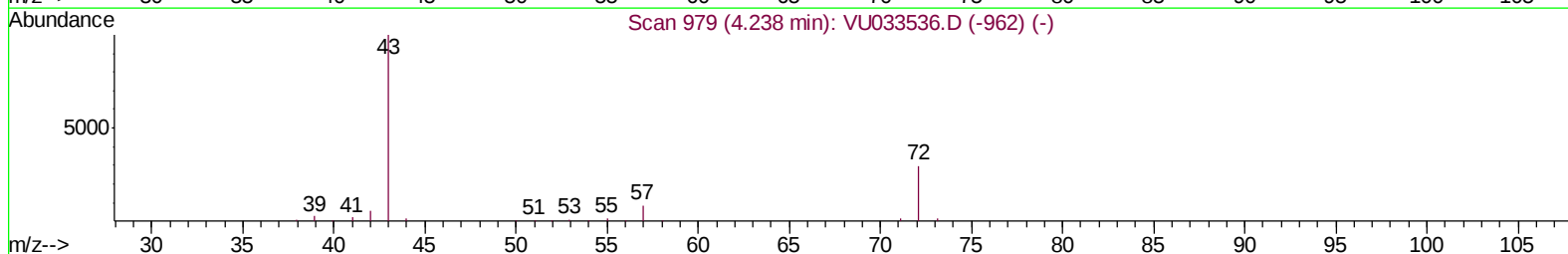
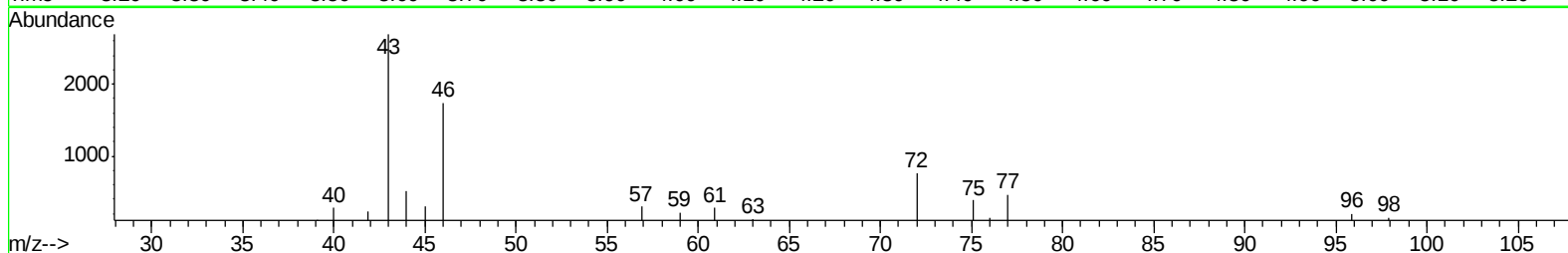
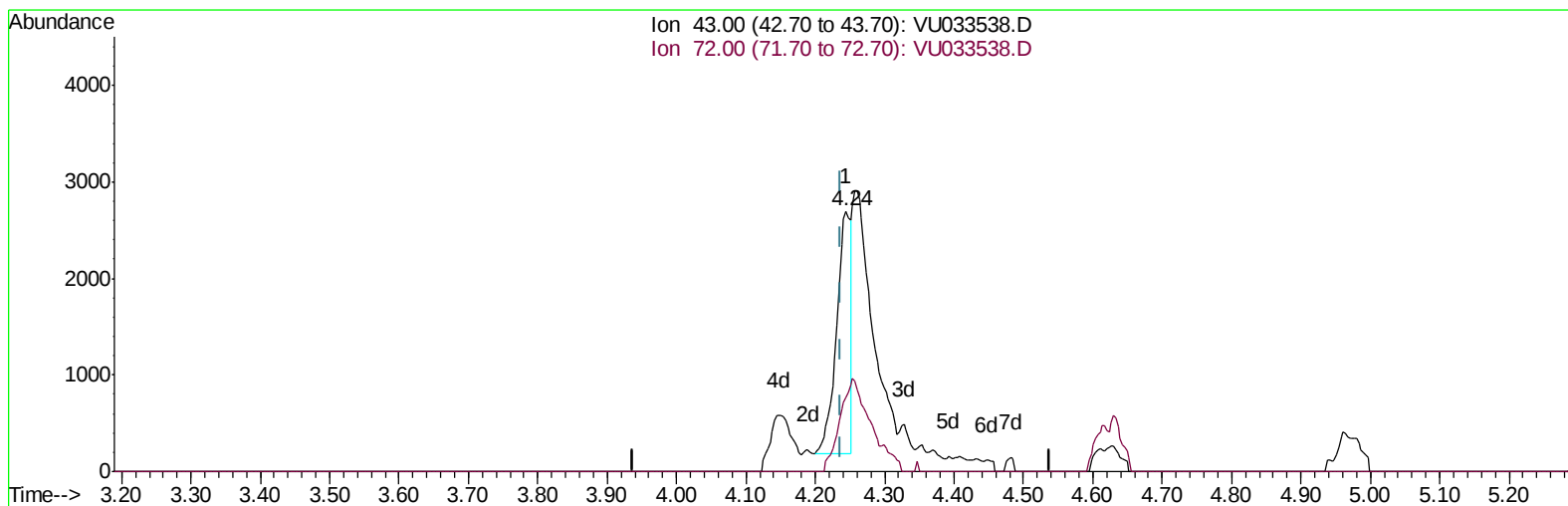
Data File : VU033538.D
Acq On : 01 Aug 2019 10:08
Operator : JC/SP
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 8:29:03 AM

Quant Time: Aug 02 01:52:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration



TIC: VU033538.D

(22) 2-Butanone (T)
4.244min (+0.006) 2.12ug/L

response 3501

Ion	Exp%	Act%
43.00	100	100
72.00	28.40	77.41#
0.00	0.00	0.00
0.00	0.00	0.00

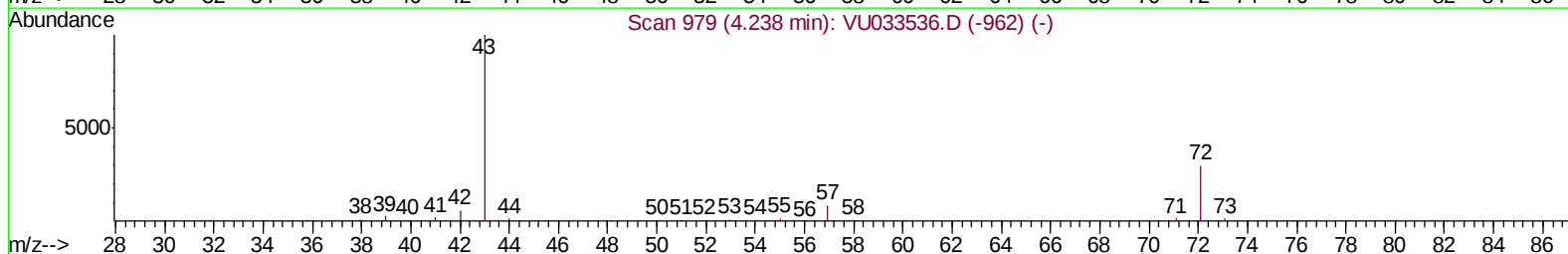
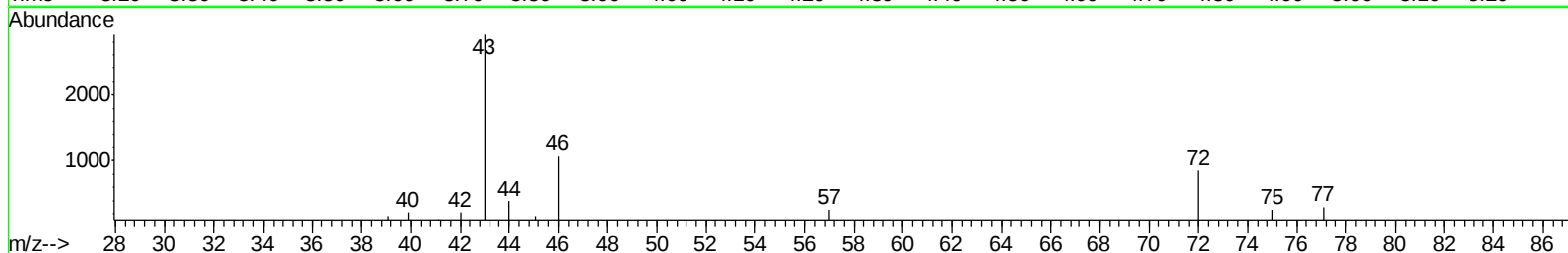
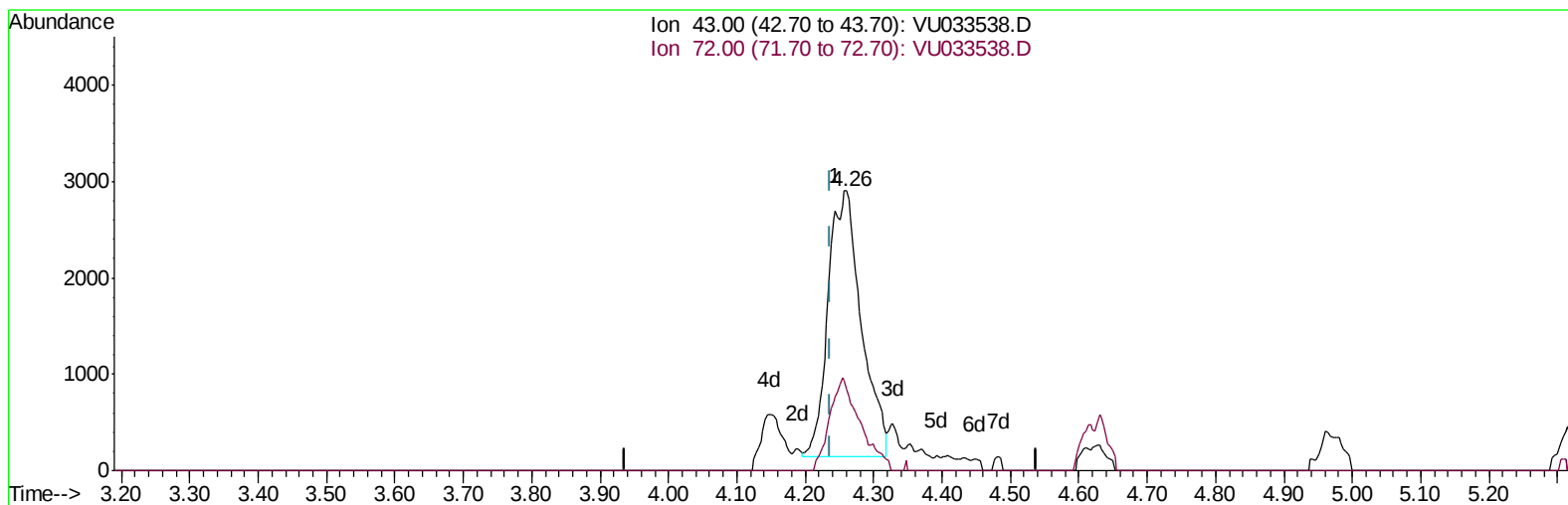
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Manual Integrations
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TIC: VU033538.D

(22) 2-Butanone (T)
4.260min (+0.022) 5.62ug/L m
response 9291

Ion	Exp%	Act%
43.00	100	100
72.00	28.40	29.17
0.00	0.00	0.00
0.00	0.00	0.00

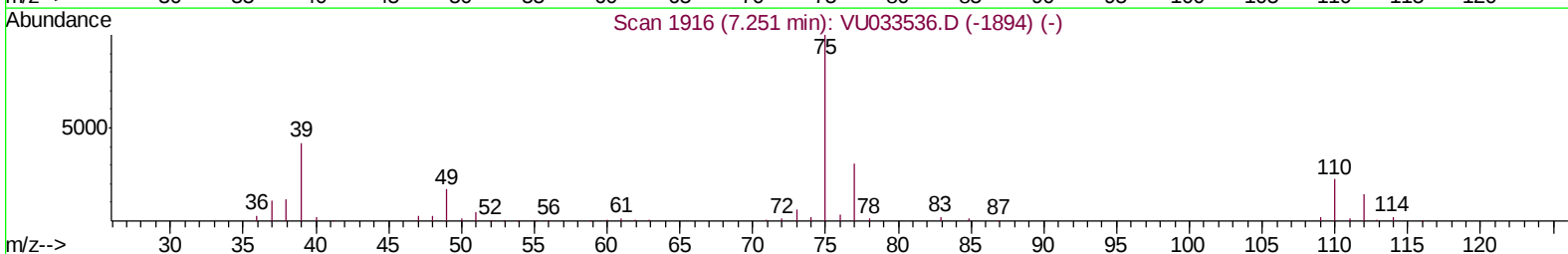
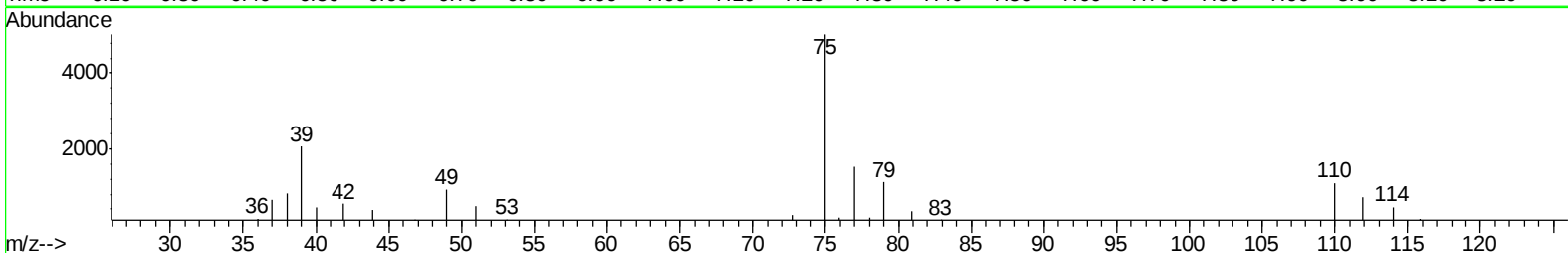
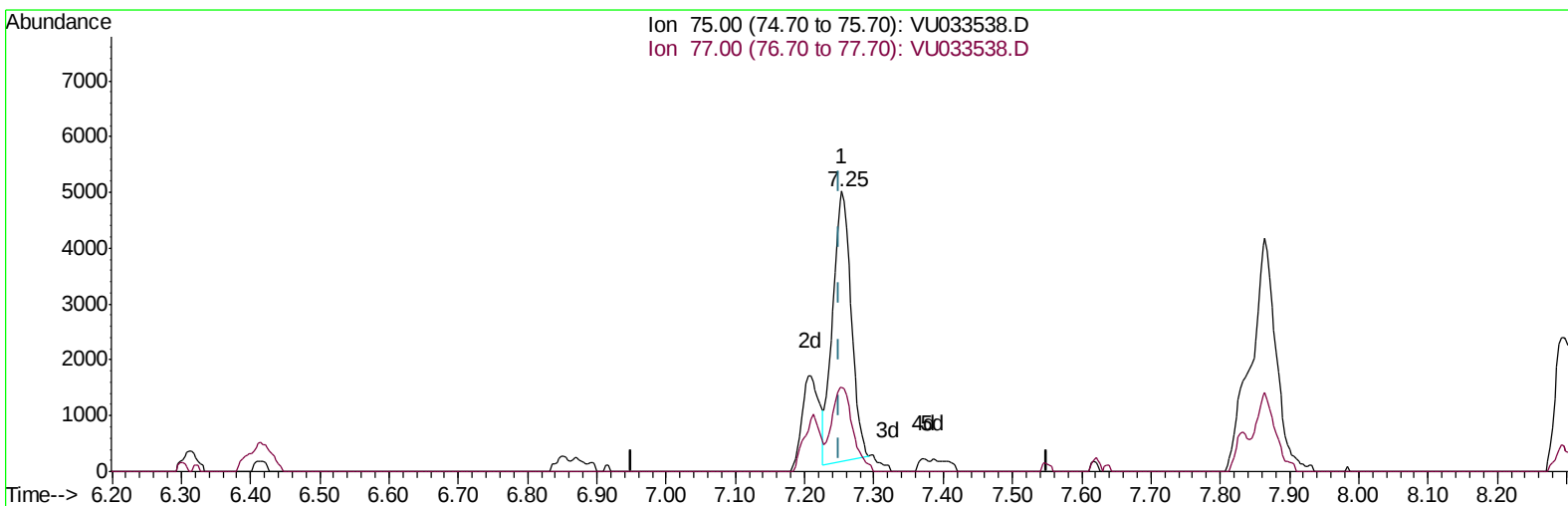
Data File : VU033538.D
Acq On : 01 Aug 2019 10:08
Operator : JC/SP
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
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MMDadoda
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Quant Time: Aug 02 01:52:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
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TIC: VU033538.D

(39) cis-1,3-Dichloropropene (T)

7.254min (+0.003) 2.66ug/L

response 9055

Ion	Exp%	Act%
75.00	100	100
77.00	31.90	30.03
0.00	0.00	0.00
0.00	0.00	0.00

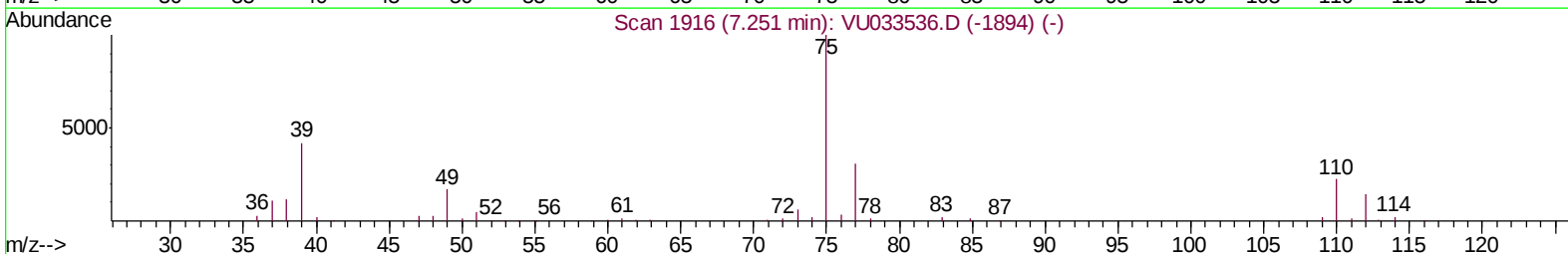
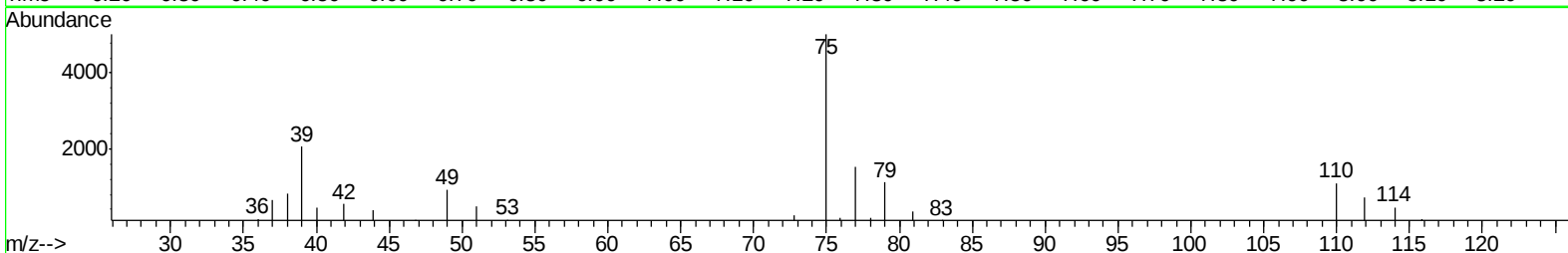
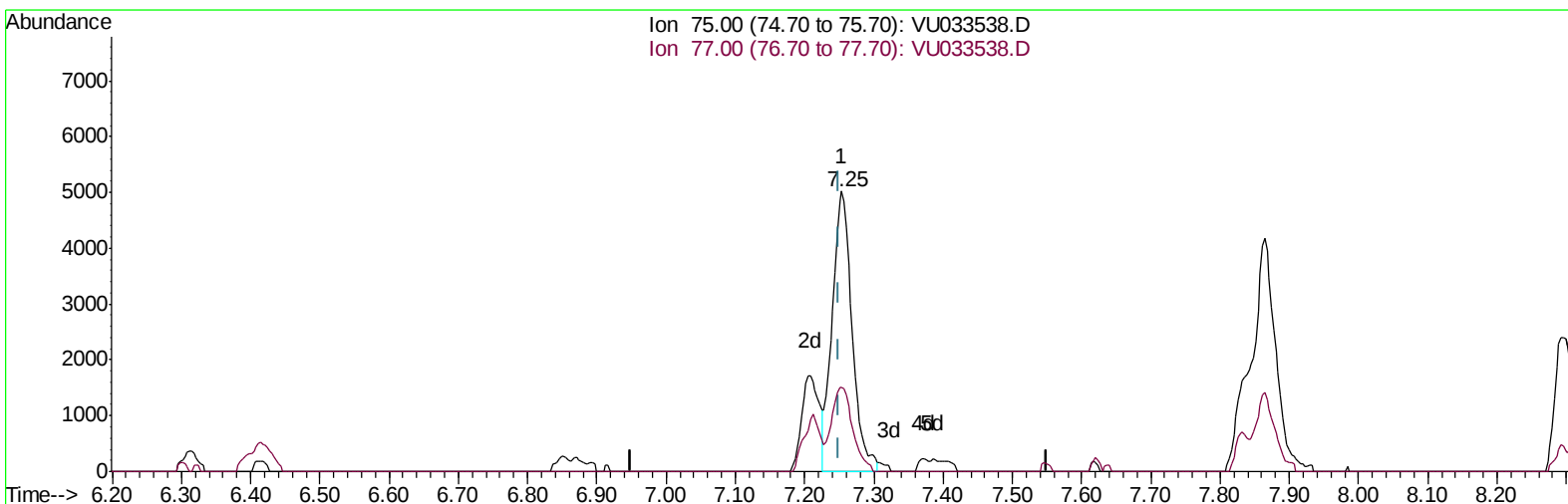
Data File : VU033538.D
Acq On : 01 Aug 2019 10:08
Operator : JC/SP
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 8:29:03 AM

Quant Time: Aug 02 01:52:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration



TIC: VU033538.D

(39) cis-1,3-Dichloropropene (T)

7.254min (+0.003) 2.95ug/L m

response 10047

Ion	Exp%	Act%
75.00	100	100
77.00	31.90	30.03
0.00	0.00	0.00
0.00	0.00	0.00

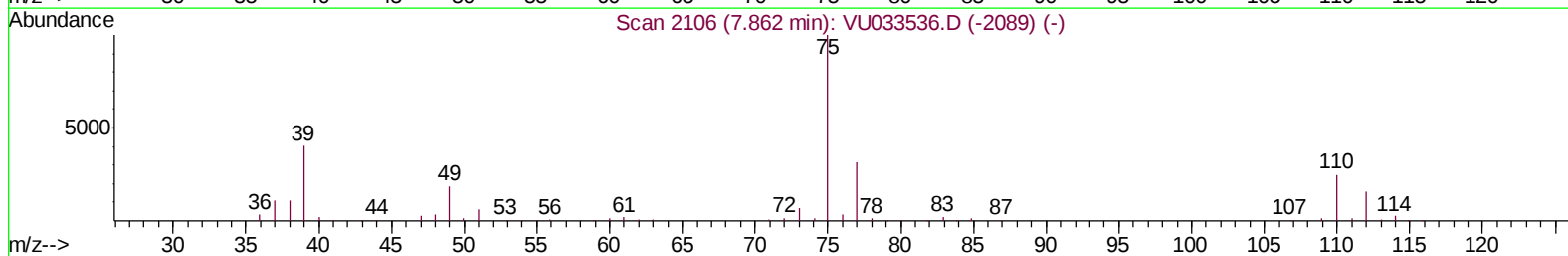
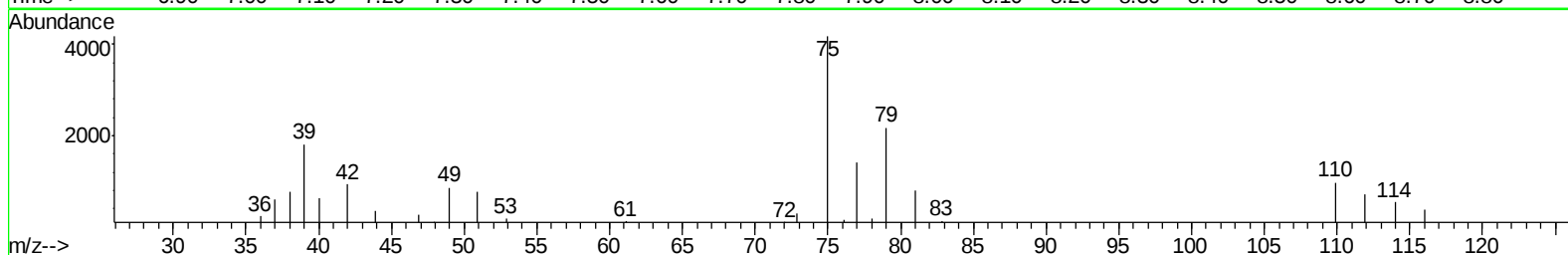
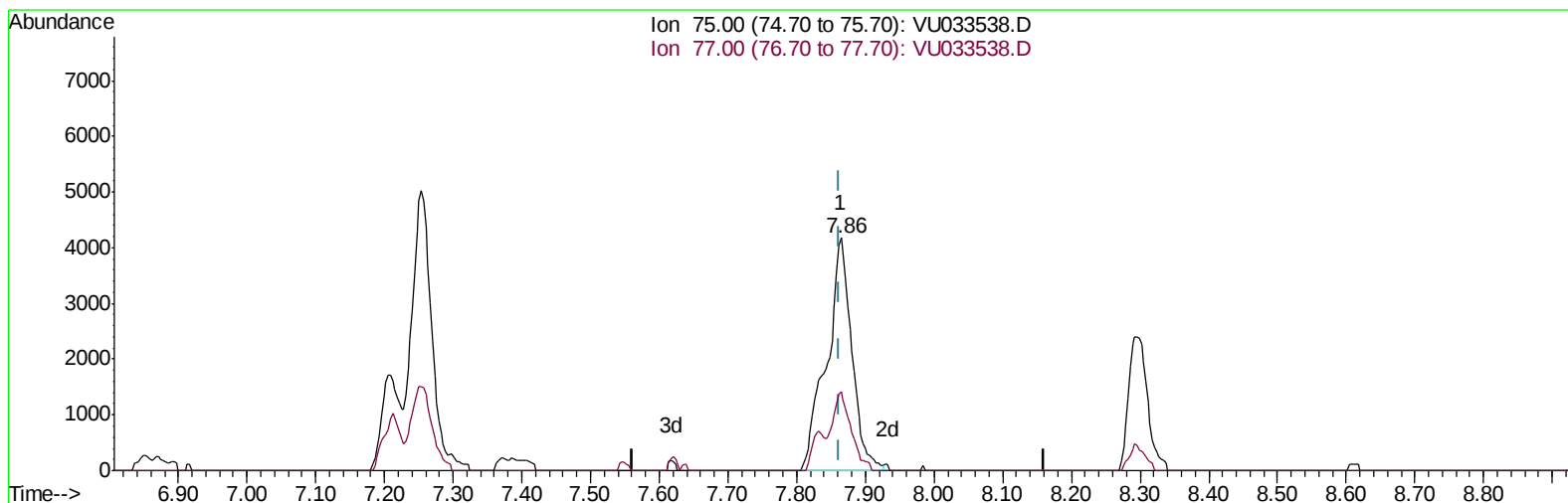
Data File : VU033538.D
Acq On : 01 Aug 2019 10:08
Operator : JC/SP
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration



TIC: VU033538.D

(44) trans-1,3-Dichloropropene (T)

7.865min (+0.003) 3.45ug/L

response 10628

Ion	Exp%	Act%
75.00	100	100
77.00	32.40	33.72
0.00	0.00	0.00
0.00	0.00	0.00

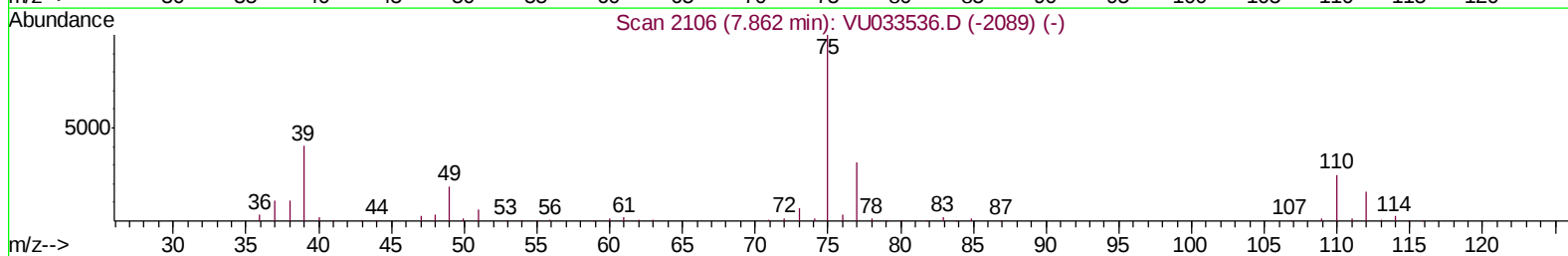
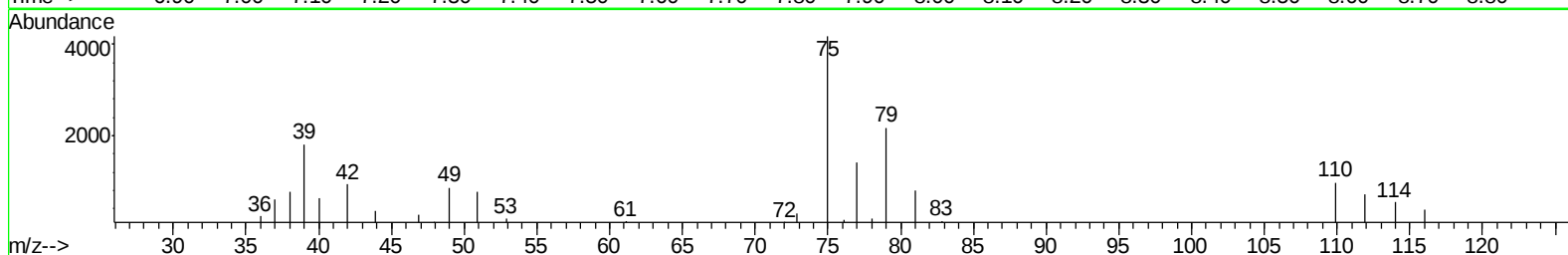
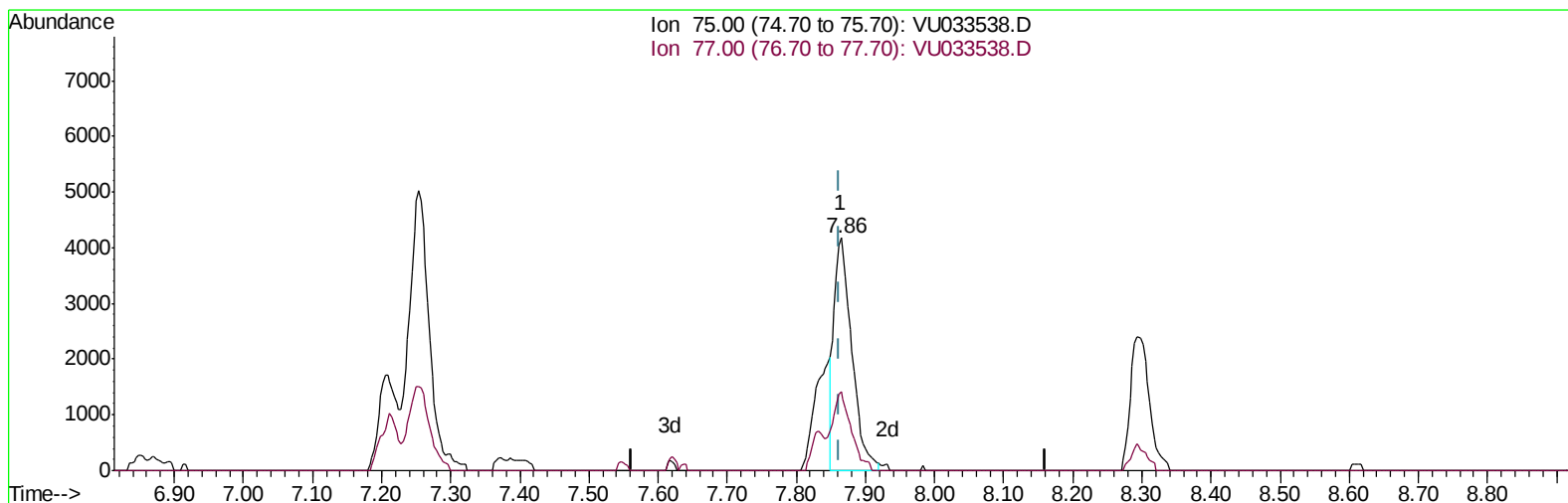
Data File : VU033538.D
Acq On : 01 Aug 2019 10:08
Operator : JC/SP
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
MDL01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 8:29:03 AM

Quant Time: Aug 02 01:52:51 2019
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Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration



TIC: VU033538.D

(44) trans-1,3-Dichloropropene (T)

7.865min (+0.003) 2.44ug/L m

response 7505

Ion	Exp%	Act%
75.00	100	100
77.00	32.40	33.72
0.00	0.00	0.00
0.00	0.00	0.00

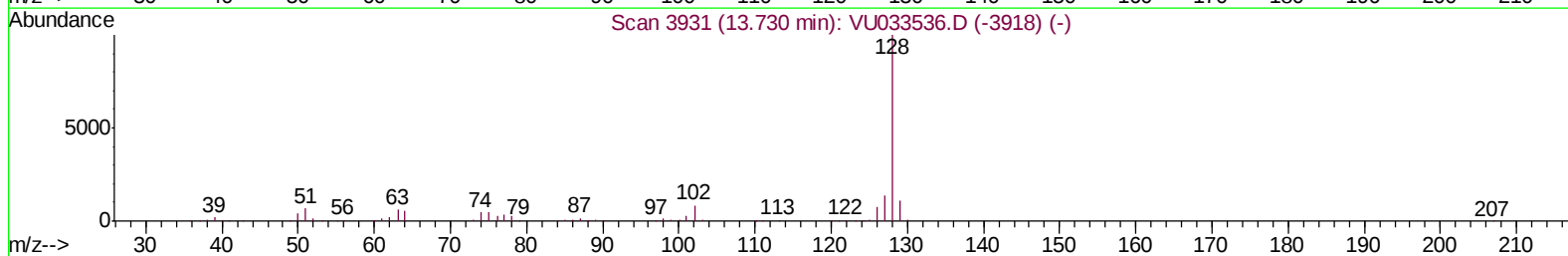
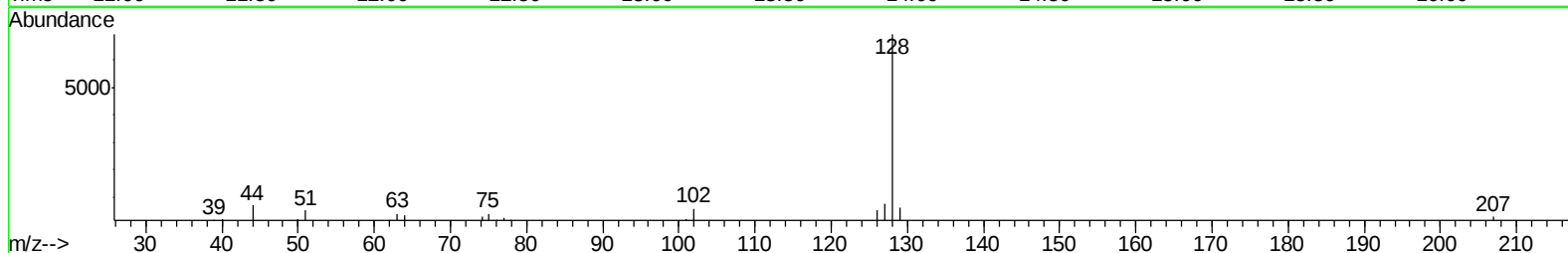
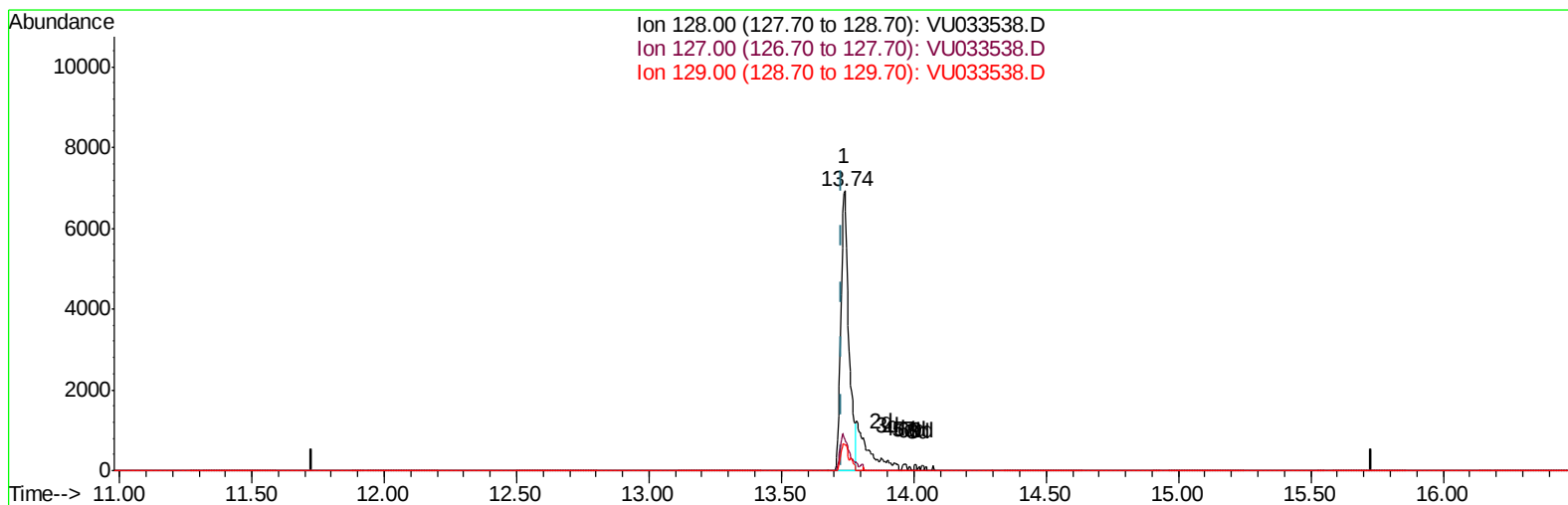
Data File : VU033538.D
Acq On : 01 Aug 2019 10:08
Operator : JC/SP
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 8:29:03 AM

Quant Time: Aug 02 01:52:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration



TIC: VU033538.D

(69) Naphthalene

13.739min (+0.009) 1.65ug/L

response 14034

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	14.49
129.00	10.90	4.91#
0.00	0.00	0.00

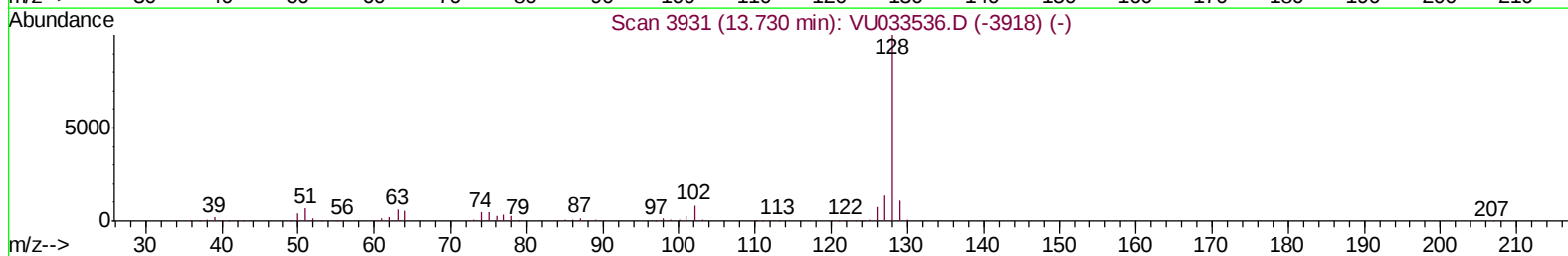
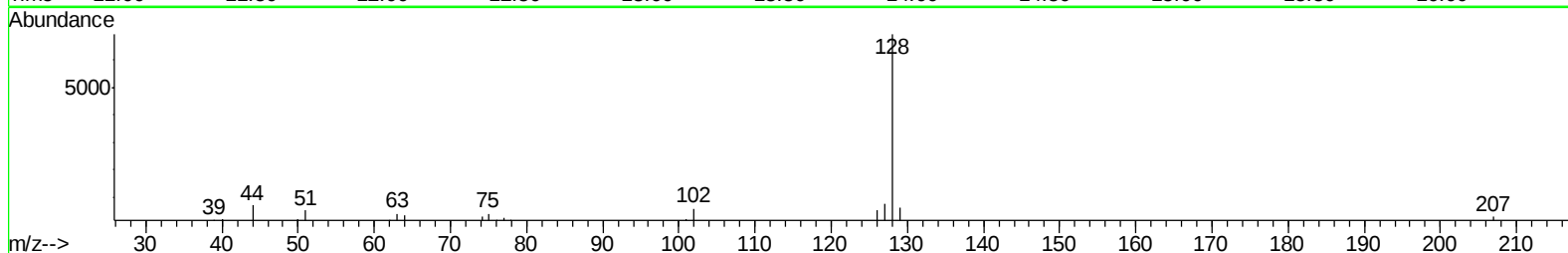
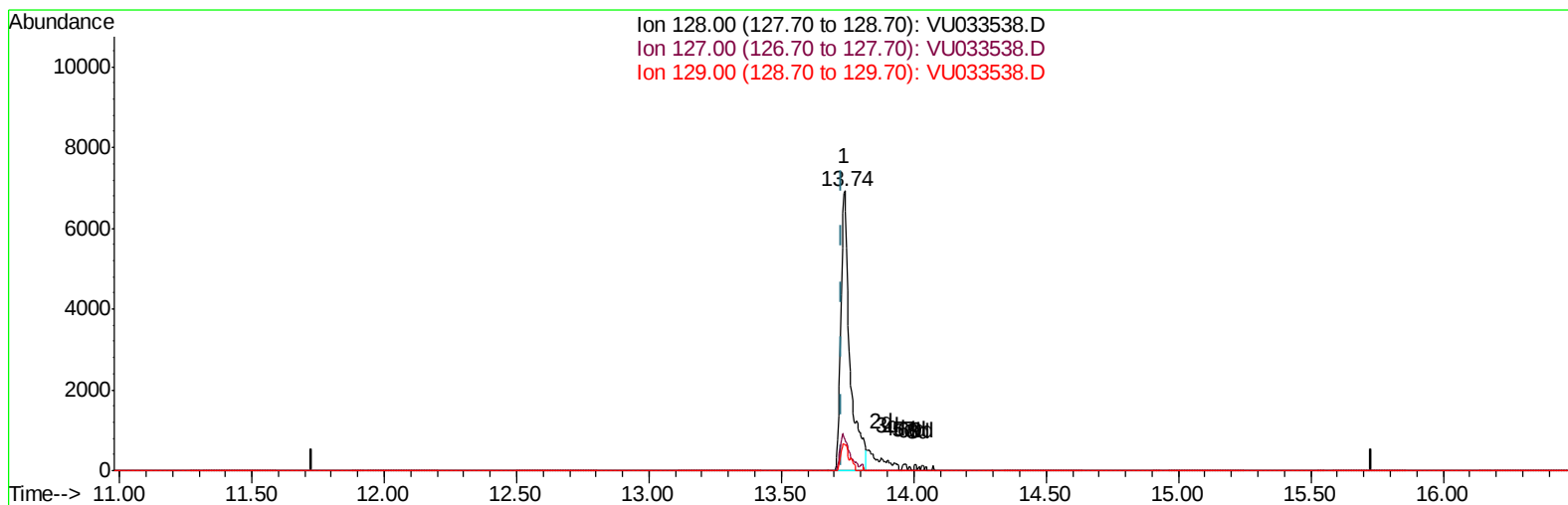
Data File : VU033538.D
Acq On : 01 Aug 2019 10:08
Operator : JC/SP
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 8:29:03 AM

Quant Time: Aug 02 01:52:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration



TIC: VU033538.D

(69) Naphthalene

13.739min (+0.009) 1.92ug/L m

response 16273

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	12.49
129.00	10.90	4.23#
0.00	0.00	0.00

Data File : VU033538.D
Acq On : 01 Aug 2019 10:08
Operator : JC/SP
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 8:29:03 AM

Quant Time: Aug 02 02:07:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	281110	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	282838	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	139619	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	100914	49.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.74%
7) Chloroethane-d5	1.67	69	92369	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.34%
11) 1,1-Dichloroethene-d2	2.26	63	143705	38.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.48%
21) 2-Butanone-d5	4.15	46	165864	122.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.53%
24) Chloroform-d	4.62	84	189608	55.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.68%
26) 1,2-Dichloroethane-d4	5.29	65	125825	57.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.98%
32) Benzene-d6	5.32	84	380647	54.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.58%
36) 1,2-Dichloropropane-d6	6.31	67	123730	56.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.58%
41) Toluene-d8	7.55	98	345100	52.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.04%
43) trans-1,3-Dichloropropene-	7.83	79	57301	52.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.12%
47) 2-Hexanone-d5	8.30	63	118219	113.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.29%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	187034	55.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.38%
64) 1,2-Dichlorobenzene-d4	11.85	152	145070	56.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7447	2.809 ug/L	95
3) Chloromethane	1.32	50	8126	3.043 ug/L	97
5) Vinyl chloride	1.40	62	8647	3.021 ug/L #	78
6) Bromomethane	1.62	94	5307	2.101 ug/L	89
8) Chloroethane	1.69	64	5181	2.979 ug/L	99
9) Trichlorofluoromethane	1.87	101	10794	2.883 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6649	3.503 ug/L #	83
12) 1,1-Dichloroethene	2.27	96	6217	3.415 ug/L #	1
13) Acetone	2.31	43	9804	7.079 ug/L	99
14) Carbon disulfide	2.46	76	16780	2.939 ug/L	99
15) Methyl Acetate	2.60	43	6471	2.935 ug/L	91
16) Methylene chloride	2.68	84	6689	3.217 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	5631	2.952 ug/L	91
18) Methyl tert-butyl Ether	2.98	73	15978	2.747 ug/L	96
19) 1,1-Dichloroethane	3.43	63	10773	3.009 ug/L	91
20) cis-1,2-Dichloroethene	4.21	96	6397	2.988 ug/L	97
22) 2-Butanone	4.26	43	9291m	5.619 ug/L	

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MMDadoda
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Quant Time: Aug 02 02:07:01 2019
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Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	3167	2.835	ug/L	97
25) Chloroform	4.65	83	14829	3.936	ug/L	93
27) 1,2-Dichloroethane	5.39	62	9236	3.184	ug/L	98
29) Cyclohexane	4.98	56	7784	2.523	ug/L #	94
30) 1,1,1-Trichloroethane	4.89	97	9756	2.998	ug/L	96
31) Carbon tetrachloride	5.12	117	8280	2.922	ug/L	97
33) Benzene	5.37	78	24777	3.037	ug/L	100
34) Trichloroethene	6.17	95	6431	2.988	ug/L	95
35) Methylcyclohexane	6.40	83	8395	2.499	ug/L	99
37) 1,2-Dichloropropane	6.41	63	6518	2.984	ug/L	99
38) Bromodichloromethane	6.74	83	8313	2.944	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	10047m	2.947	ug/L	
40) 4-Methyl-2-pentanone	7.45	43	16359	5.425	ug/L	98
42) Toluene	7.62	91	25438	2.899	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	7505m	2.436	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	5912	2.851	ug/L	95
46) Tetrachloroethene	8.21	164	4834	2.751	ug/L	92
48) 2-Hexanone	8.35	43	15327	6.288	ug/L	97
49) Dibromochloromethane	8.46	129	6761	2.866	ug/L	97
50) 1,2-Dibromoethane	8.57	107	6310	2.747	ug/L #	87
51) Chlorobenzene	9.10	112	16453	2.864	ug/L	94
52) Ethylbenzene	9.23	91	24764	2.621	ug/L	98
53) m,p-Xylene	9.36	106	8858	2.442	ug/L	95
54) o-xylene	9.76	106	8689	2.470	ug/L	91
55) Styrene	9.78	104	13616	2.279	ug/L	99
56) Isopropylbenzene	10.15	105	21464	2.335	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.44	83	12017	3.213	ug/L #	97
59) 1,2,3-Trichloropropane	10.48	75	8772	3.043	ug/L	98
61) Bromoform	9.94	173	5018	2.975	ug/L #	96
62) 1,3-Dichlorobenzene	11.40	146	11802	2.752	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	13274	2.980	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	13393	3.089	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	2171	2.710	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	9102	2.631	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	6160	2.084	ug/L	95
69) Naphthalene	13.74	128	16273m	1.919	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	6974	2.243	ug/L	98

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 8:29:03 AM

Quant Time: Aug 02 02:07:01 2019
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