

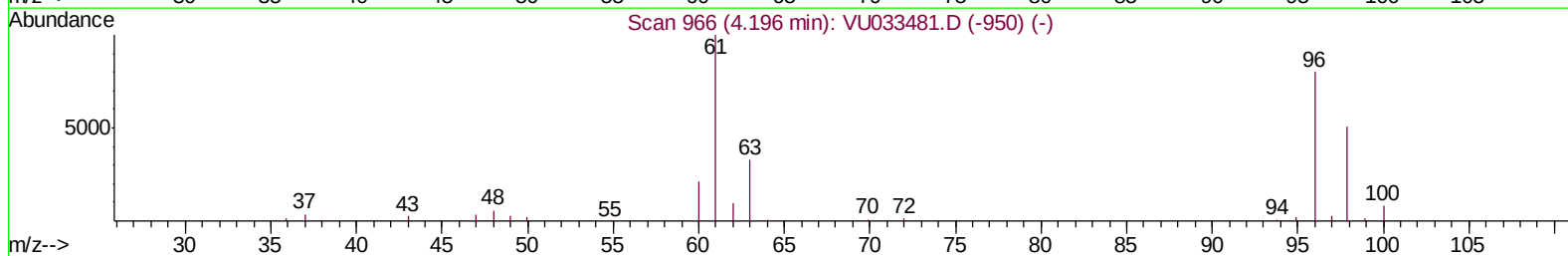
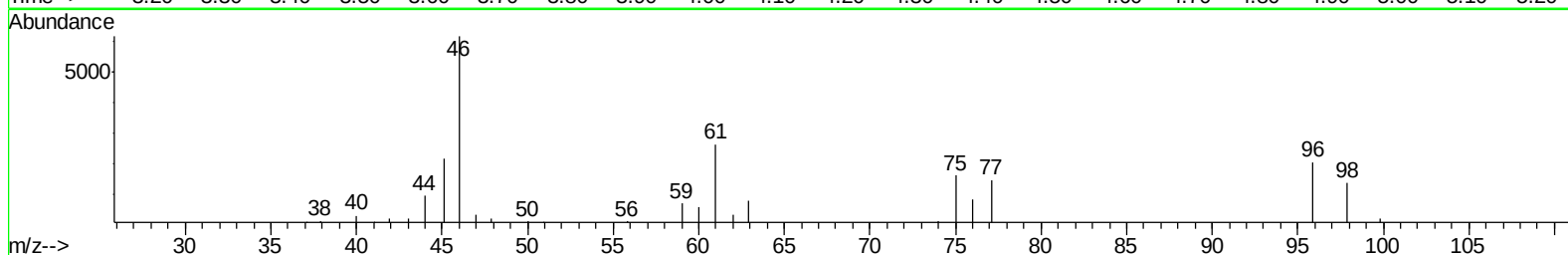
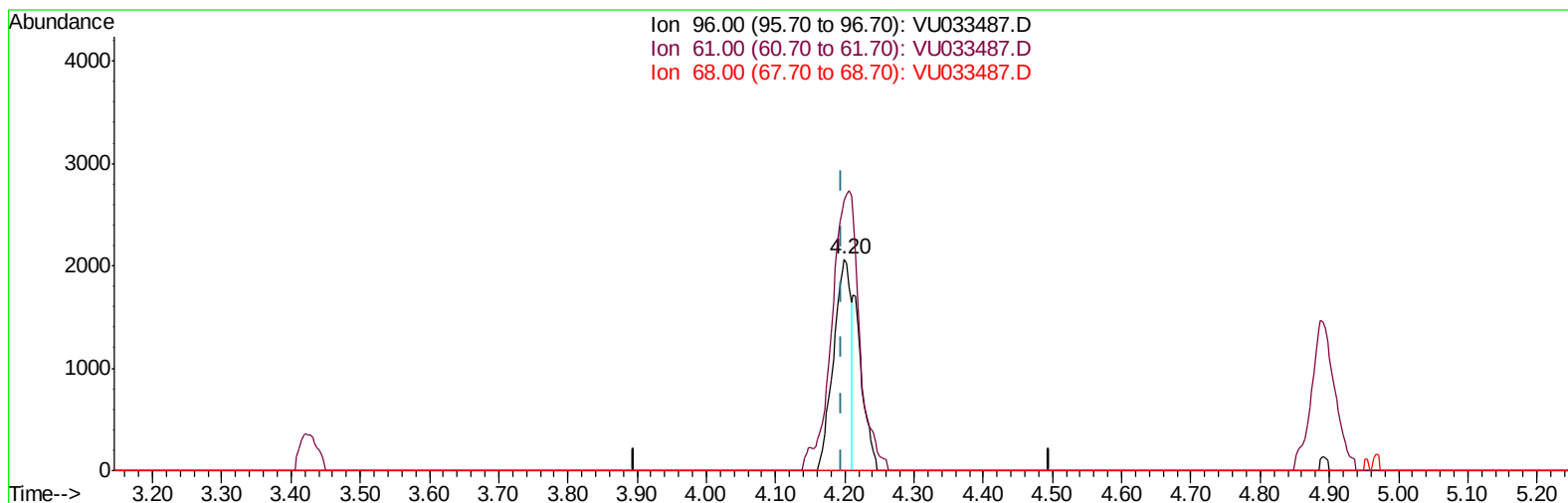
Data File : VU033487.D
Acq On : 30 Jul 2019 12:11
Operator : JC/SP
Sample : MDL03
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMdadoda
8/1/2019 3:14:54 PM

Quant Time: Jul 31 08:49:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:44:45 2019
Response via : Initial Calibration



TIC: VU033487.D

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

4.199min (+0.003) 1.47ug/L

response 3501

Ion	Exp%	Act%
96.00	100	100
61.00	127.00	127.85
68.00	0.00	0.00
0.00	0.00	0.00

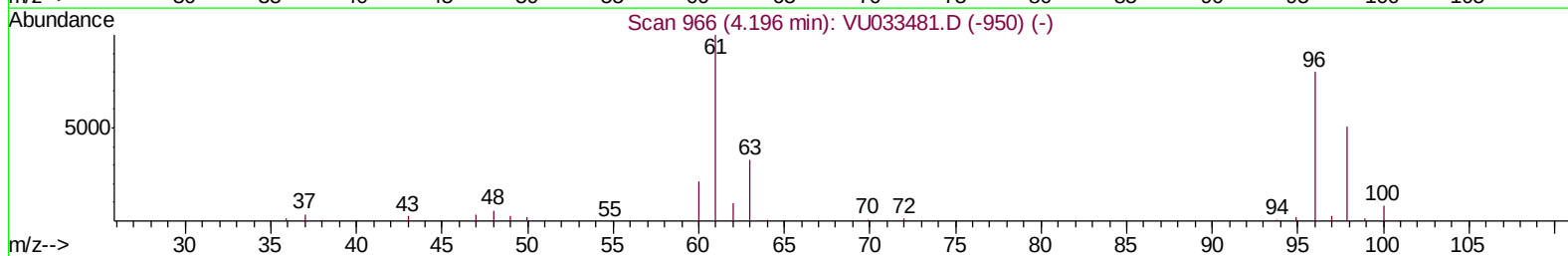
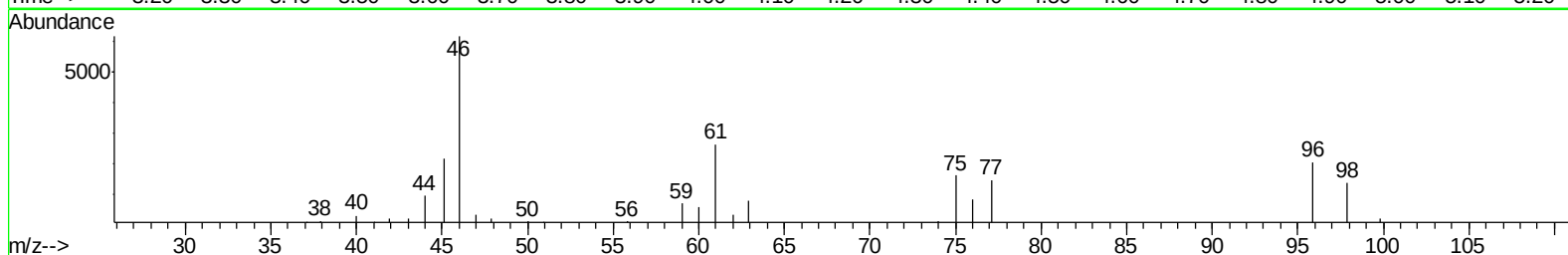
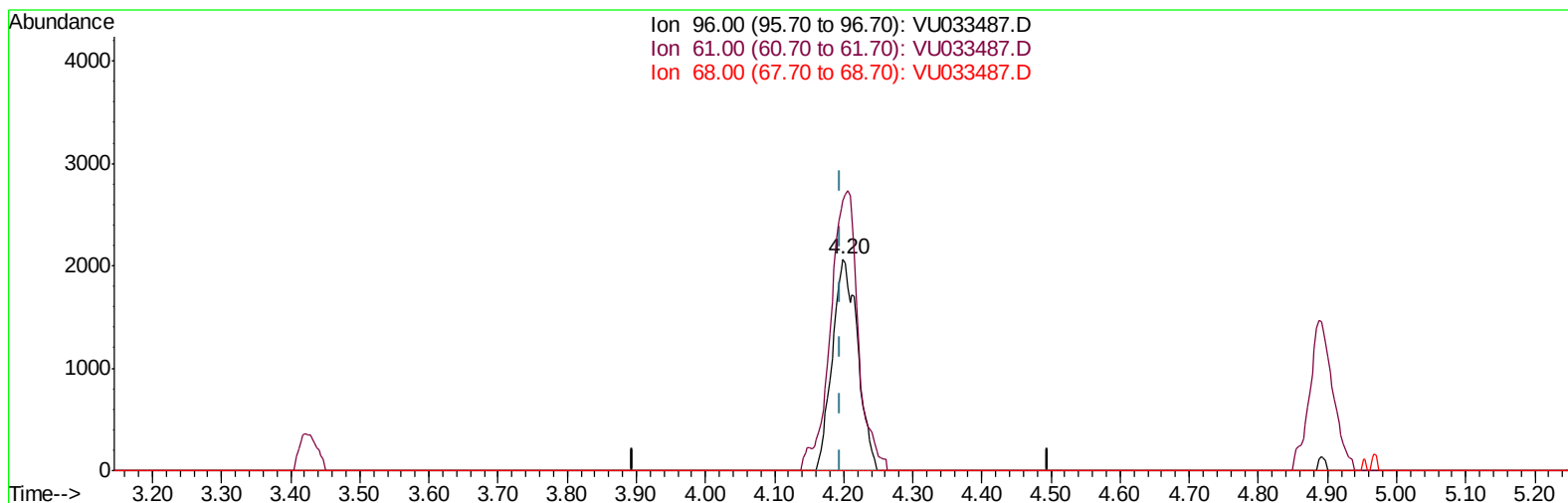
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TIC: VU033487.D

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

4.199min (+0.003) 2.19ug/L m

response 5210

Ion	Exp%	Act%
96.00	100	100
61.00	127.00	127.85
68.00	0.00	0.00
0.00	0.00	0.00

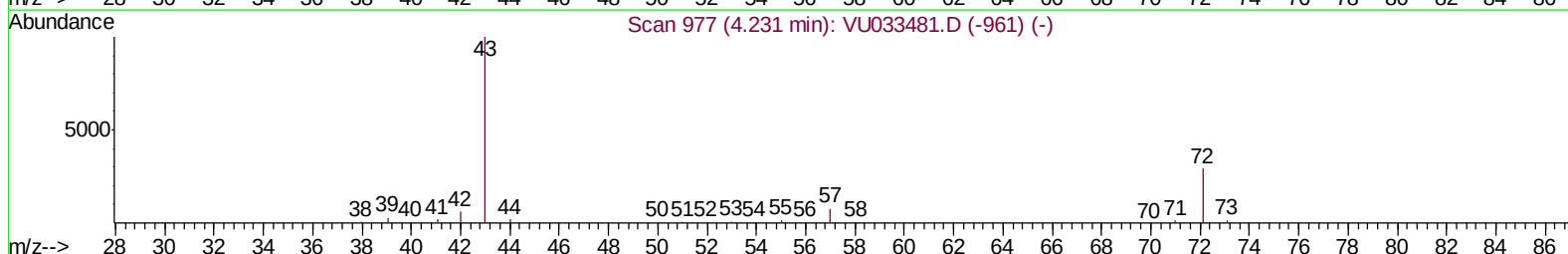
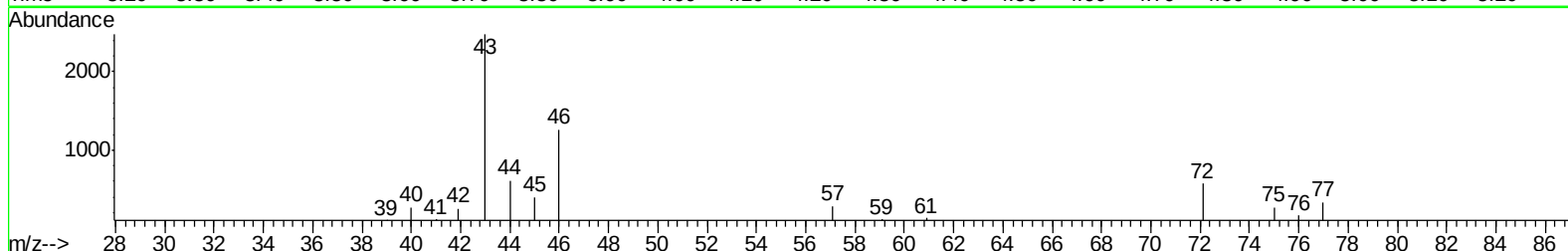
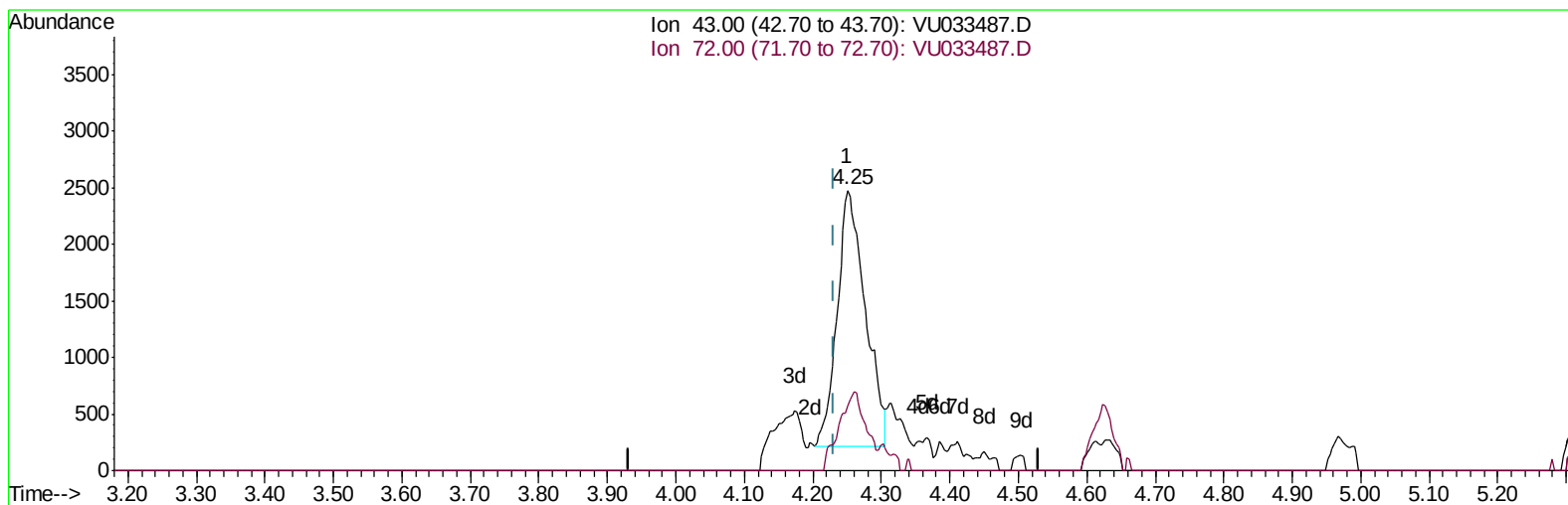
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TIC: VU033487.D

(22) 2-Butanone (T)
4.251min (+0.019) 3.56ug/L
response 6456

Ion	Exp%	Act%
43.00	100	100
72.00	28.20	3.33#
0.00	0.00	0.00
0.00	0.00	0.00

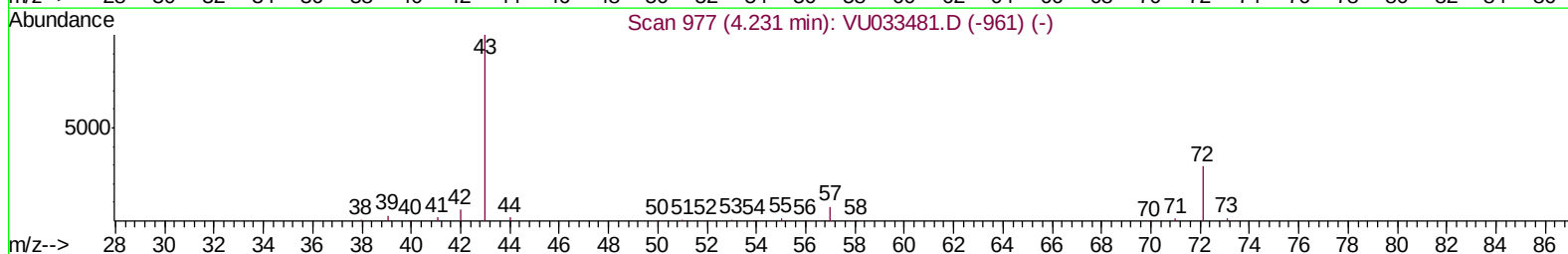
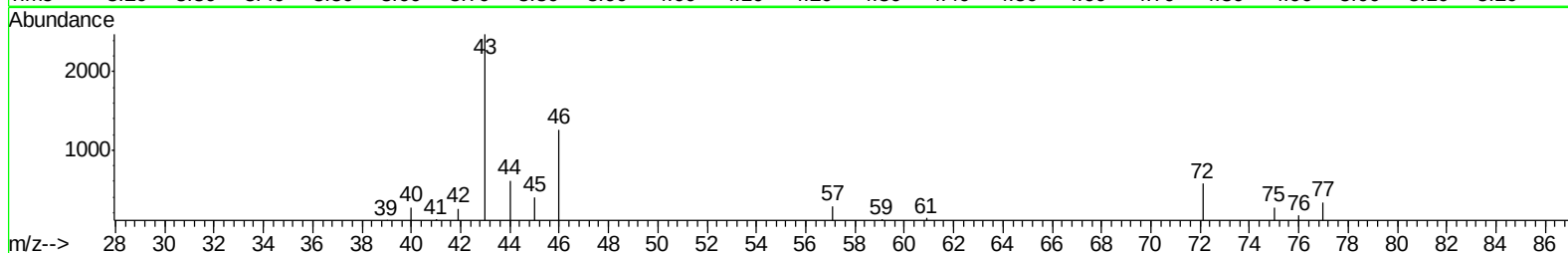
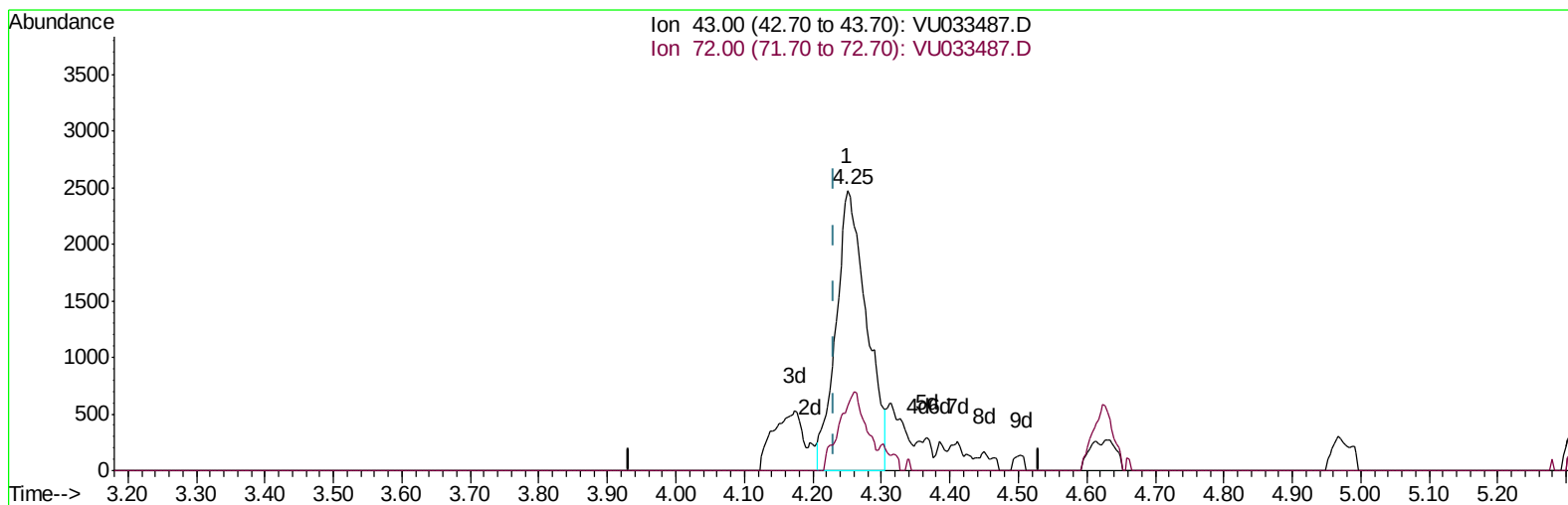
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Instrument :
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ClientSampleId :
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TIC: VU033487.D

(22) 2-Butanone (T)

4.251min (+0.019) 4.27ug/L m

response 7747

Ion	Exp%	Act%
43.00	100	100
72.00	28.20	2.78#
0.00	0.00	0.00
0.00	0.00	0.00

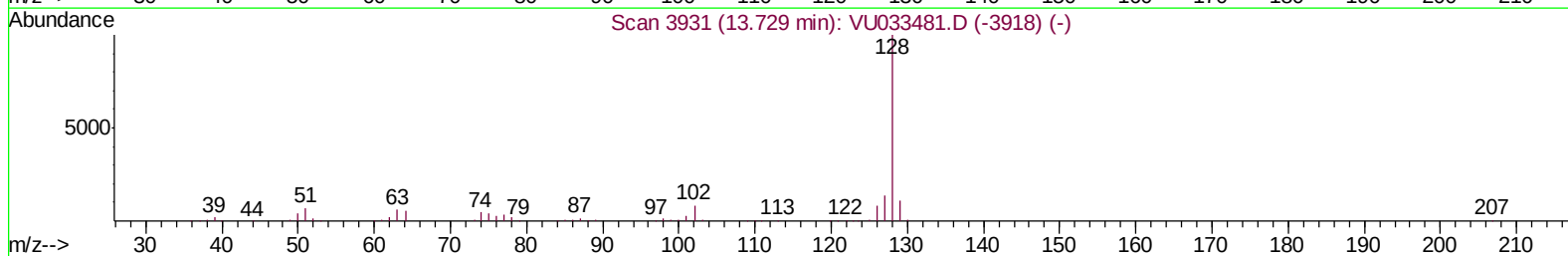
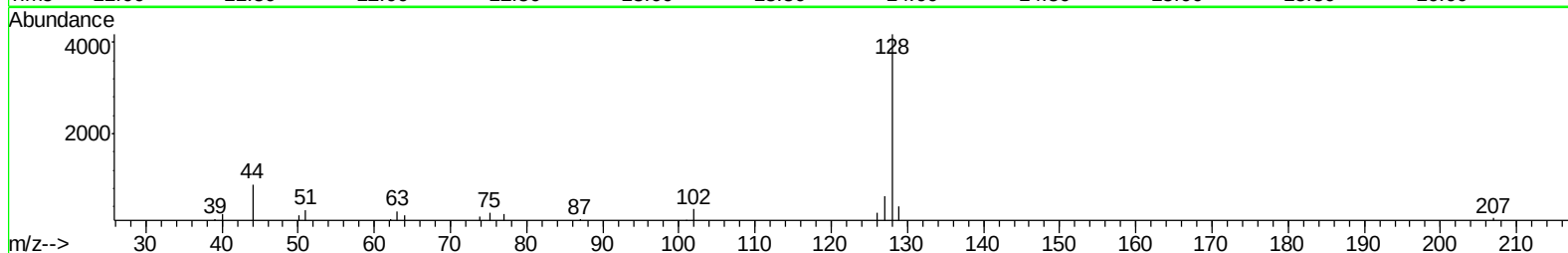
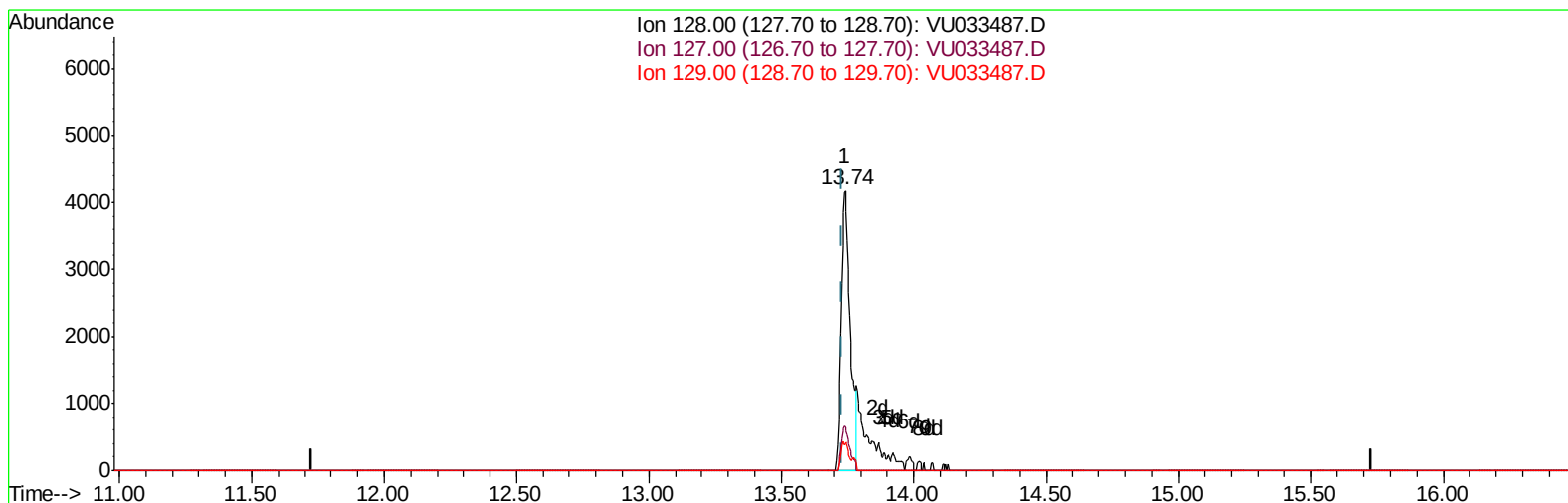
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Sample : MDL03
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
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TIC: VU033487.D

(71) Naphthalene

13.739min (+0.010) 1.09ug/L

response 9291

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	14.99
129.00	10.90	4.08#
0.00	0.00	0.00

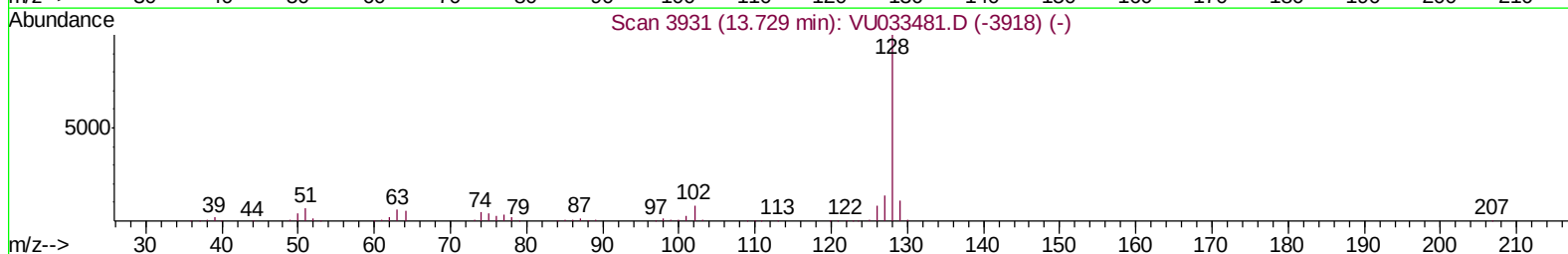
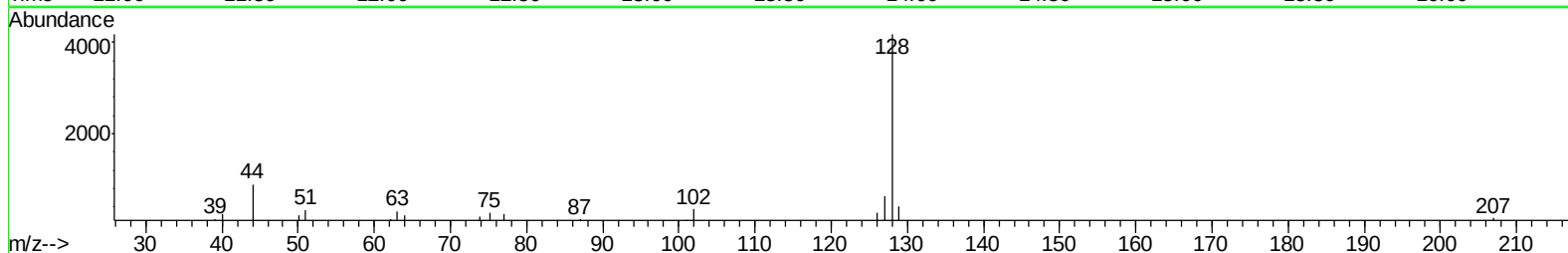
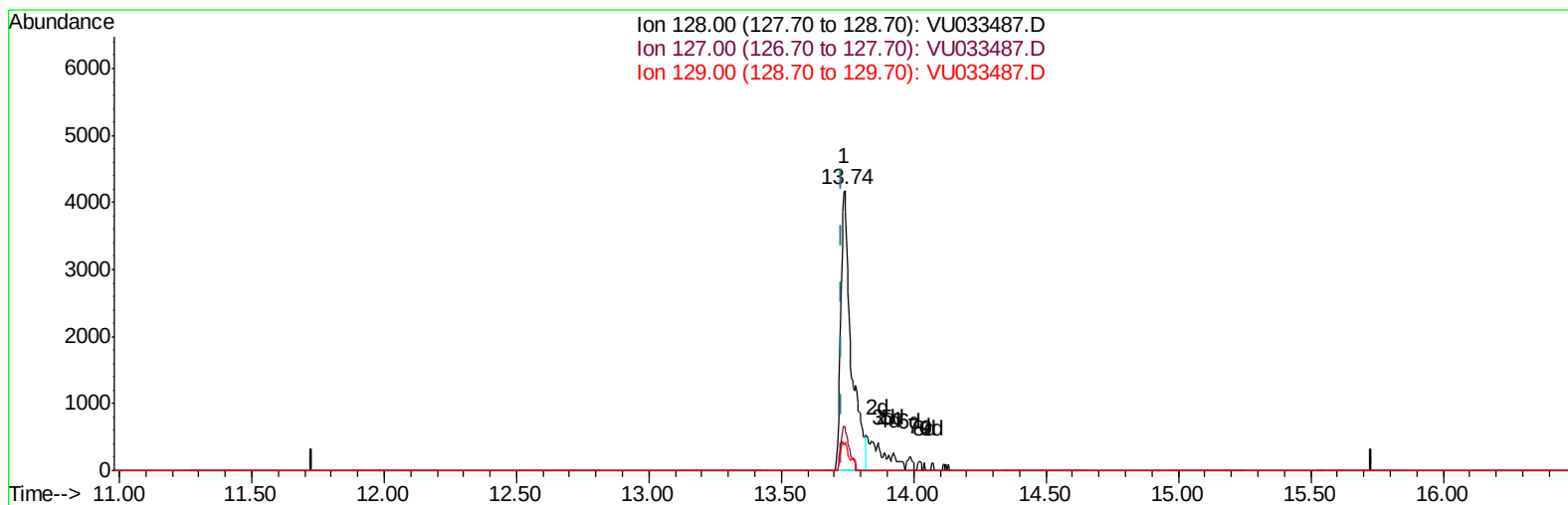
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Instrument :
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Manual Integrations
APPROVED

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Quant Time: Jul 31 08:49:06 2019
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TIC: VU033487.D

(71) Naphthalene

13.739min (+0.010) 1.31ug/L m

response 11142

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	12.50
129.00	10.90	3.40#
0.00	0.00	0.00

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Manual Integrations
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MMdadoda
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Quant Time: Jul 31 09:05:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	296071	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	306293	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	142699	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116458	43.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.64%
7) Chloroethane-d5	1.67	69	102358	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.16%
11) 1,1-Dichloroethene-d2	2.25	63	162630	33.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.16%
21) 2-Butanone-d5	4.15	46	145615	94.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.52%
24) Chloroform-d	4.62	84	179301	44.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.12%
26) 1,2-Dichloroethane-d4	5.29	65	123833	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
32) Benzene-d6	5.32	84	384675	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
36) 1,2-Dichloropropane-d6	6.31	67	122087	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.74%
41) Toluene-d8	7.55	98	350868	45.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.78%
43) trans-1,3-Dichloropropene-	7.83	79	55744	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.46%
47) 2-Hexanone-d5	8.29	63	106844	100.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.85%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	184252	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
66) 1,2-Dichlorobenzene-d4	11.85	152	136859	49.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	6265	2.121 ug/L	98
3) Chloromethane	1.32	50	6723	2.280 ug/L	95
5) Vinyl chloride	1.40	62	7873	2.334 ug/L #	74
6) Bromomethane	1.62	94	4868	2.065 ug/L	94
8) Chloroethane	1.69	64	4731	2.287 ug/L	99
9) Trichlorofluoromethane	1.87	101	9782	2.211 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6170	2.776 ug/L #	85
12) 1,1-Dichloroethene	2.27	96	5950	2.747 ug/L #	1
13) Acetone	2.31	43	7430	4.867 ug/L	94
14) Carbon disulfide	2.46	76	14336	2.221 ug/L	95
15) Methyl Acetate	2.60	43	5381	2.198 ug/L	99
16) Methylene chloride	2.68	84	5595	2.351 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	5061	2.352 ug/L	85
18) Methyl tert-butyl Ether	2.98	73	12956	2.041 ug/L	96
19) 1,1-Dichloroethane	3.42	63	8639	2.133 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	5210m	2.194 ug/L	
22) 2-Butanone	4.25	43	7747m	4.271 ug/L	

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MMdadoda
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	2694	2.136	ug/L	94
25) Chloroform	4.65	83	24587	5.724	ug/L	97
27) 1,2-Dichloroethane	5.39	62	7362	2.207	ug/L	99
29) Cyclohexane	4.97	56	6578	1.955	ug/L	96
30) 1,1,1-Trichloroethane	4.89	97	8038	2.204	ug/L	98
31) Carbon tetrachloride	5.11	117	6849	2.110	ug/L	95
33) Benzene	5.37	78	19126	2.089	ug/L	100
34) Trichloroethene	6.17	95	5264	2.207	ug/L	96
35) Methylcyclohexane	6.39	83	7866	2.169	ug/L	94
37) 1,2-Dichloropropane	6.41	63	5446	2.212	ug/L #	96
38) Bromodichloromethane	6.74	83	6672	2.058	ug/L	88
39) cis-1,3-Dichloropropene	7.26	75	7191	1.959	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	12972	3.998	ug/L	98
42) Toluene	7.62	91	21995	2.233	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	6967	2.091	ug/L	95
45) 1,1,2-Trichloroethane	8.05	97	4986	2.123	ug/L	95
46) Tetrachloroethene	8.21	164	4020	2.071	ug/L	97
48) 2-Hexanone	8.35	43	14851	5.618	ug/L	95
49) Dibromochloromethane	8.46	129	5628	2.140	ug/L	99
50) 1,2-Dibromoethane	8.57	107	5423	2.129	ug/L #	100
51) Chlorobenzene	9.10	112	13538	2.068	ug/L	94
52) Ethylbenzene	9.23	91	20564	1.926	ug/L	97
53) m,p-Xylene	9.36	106	7270	1.810	ug/L	86
54) o-xylene	9.76	106	7294	1.852	ug/L	97
55) Styrene	9.78	104	12233	1.831	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.44	83	9939	2.381	ug/L #	96
59) Bromoform	9.94	173	3895	2.182	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	7559	2.600	ug/L	96
61) Isopropylbenzene	10.15	105	18033	1.973	ug/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	13226	1.786	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	13166	1.793	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	9845	2.113	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	10793	2.242	ug/L	91
67) 1,2-Dichlorobenzene	11.86	146	11310	2.423	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.65	75	1813	2.243	ug/L	90
69) 1,3,5-Trichlorobenzene	12.88	180	6742	1.906	ug/L	97
70) 1,2,4-trichlorobenzene	13.50	180	4461	1.511	ug/L	92
71) Naphthalene	13.74	128	11142m	1.305	ug/L	
72) 1,2,3-Trichlorobenzene	13.98	180	5002	1.617	ug/L #	91

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

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