

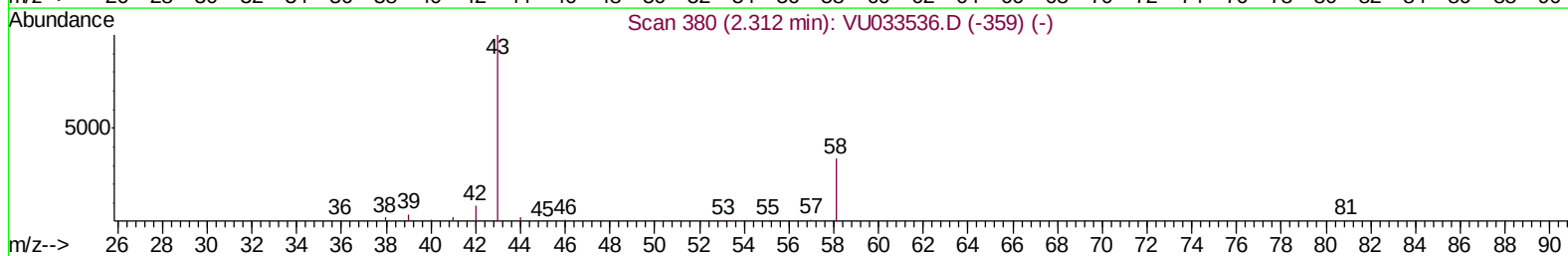
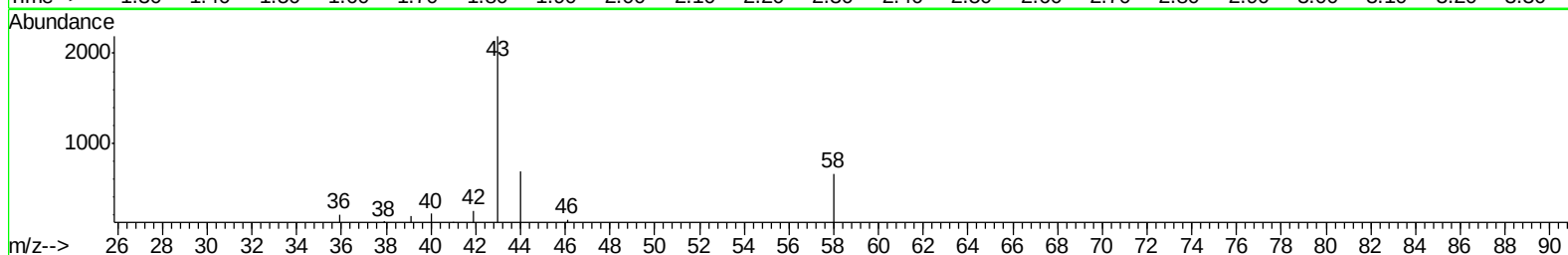
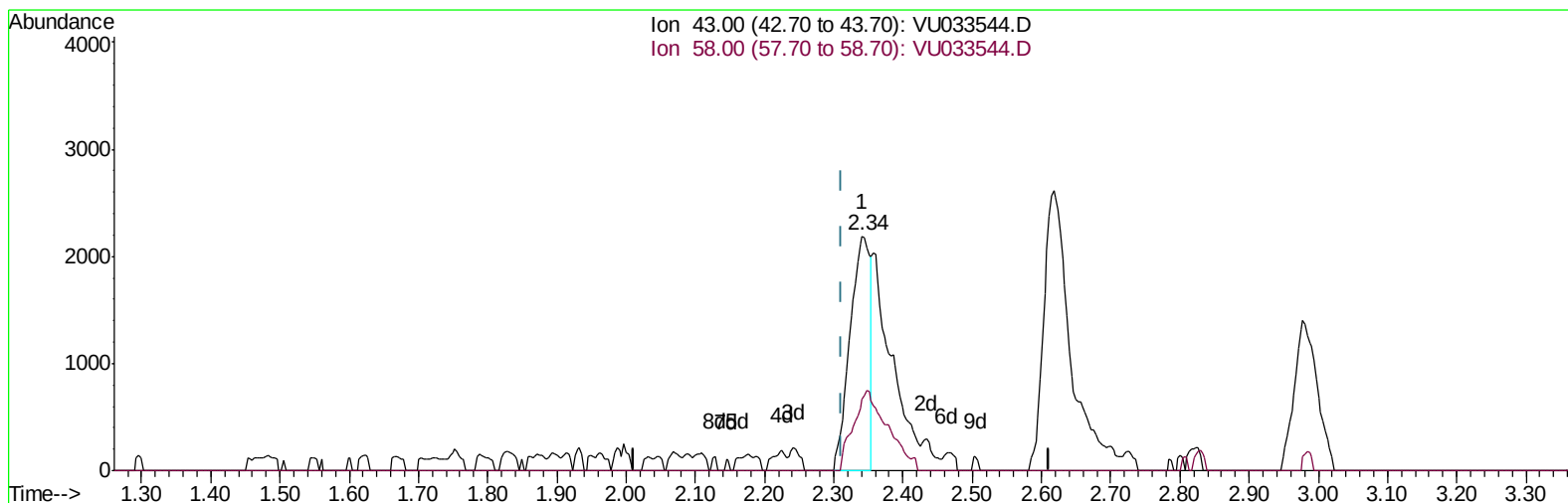
Data File : VU033544.D
Acq On : 01 Aug 2019 12:26
Operator : JC/SP
Sample : MDL07
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
8/2/2019 8:29:39 AM

Quant Time: Aug 02 01:55:11 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: VU033544.D

(13) Acetone (T)

2.341min (+0.029) 3.01ug/L

response 4492

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	43.03
0.00	0.00	0.00
0.00	0.00	0.00

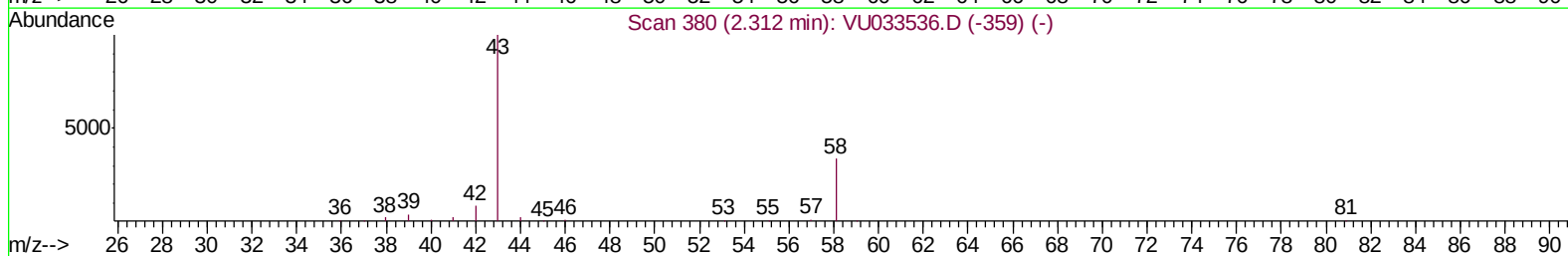
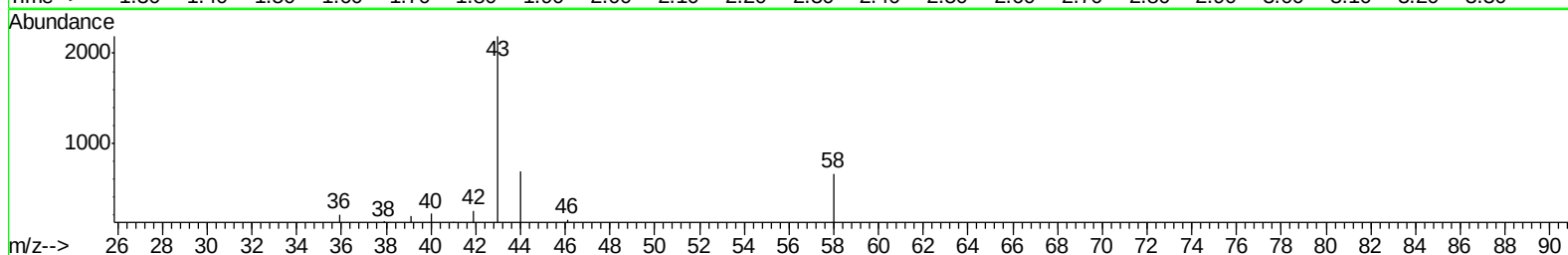
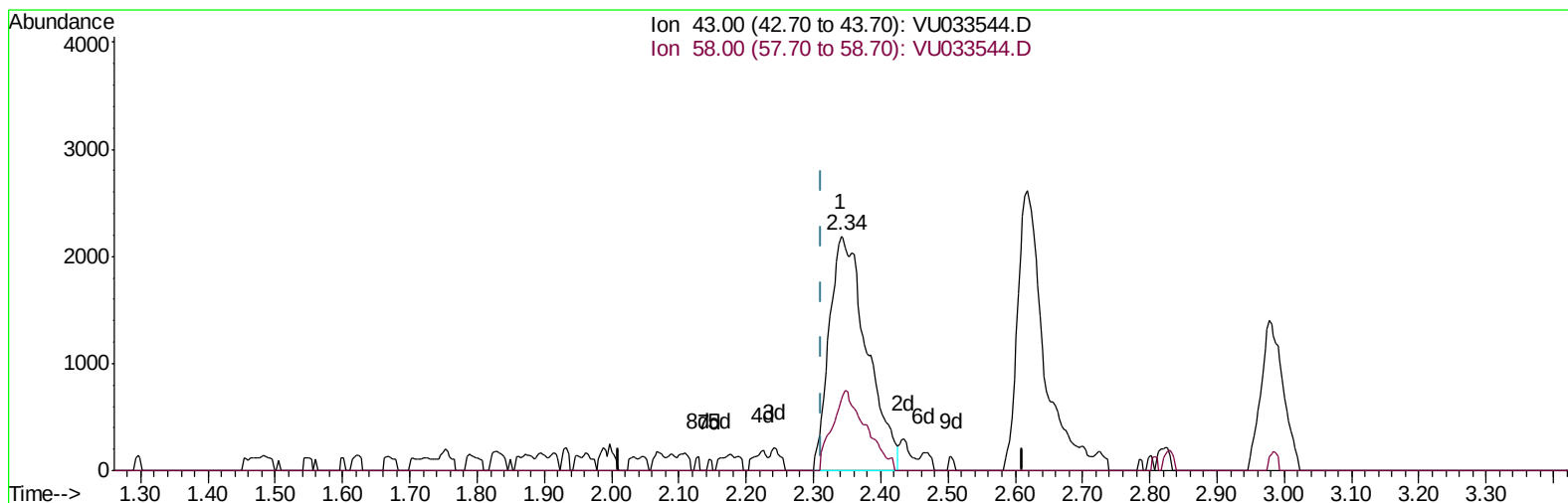
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TIC: VU033544.D

(13) Acetone (T)

2.341min (+0.029) 5.68ug/L m

response 8467

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	22.83
0.00	0.00	0.00
0.00	0.00	0.00

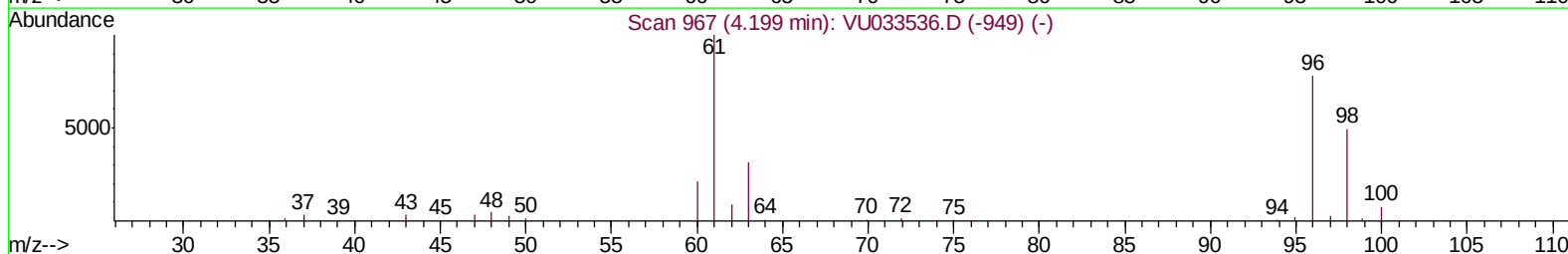
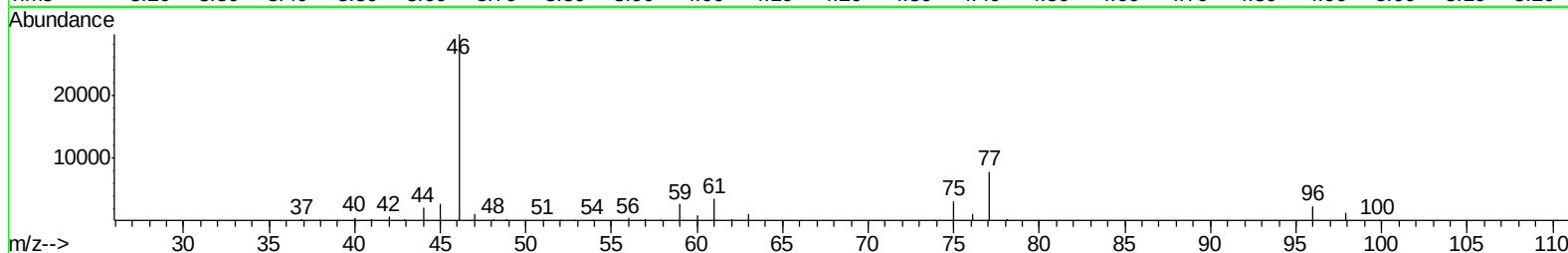
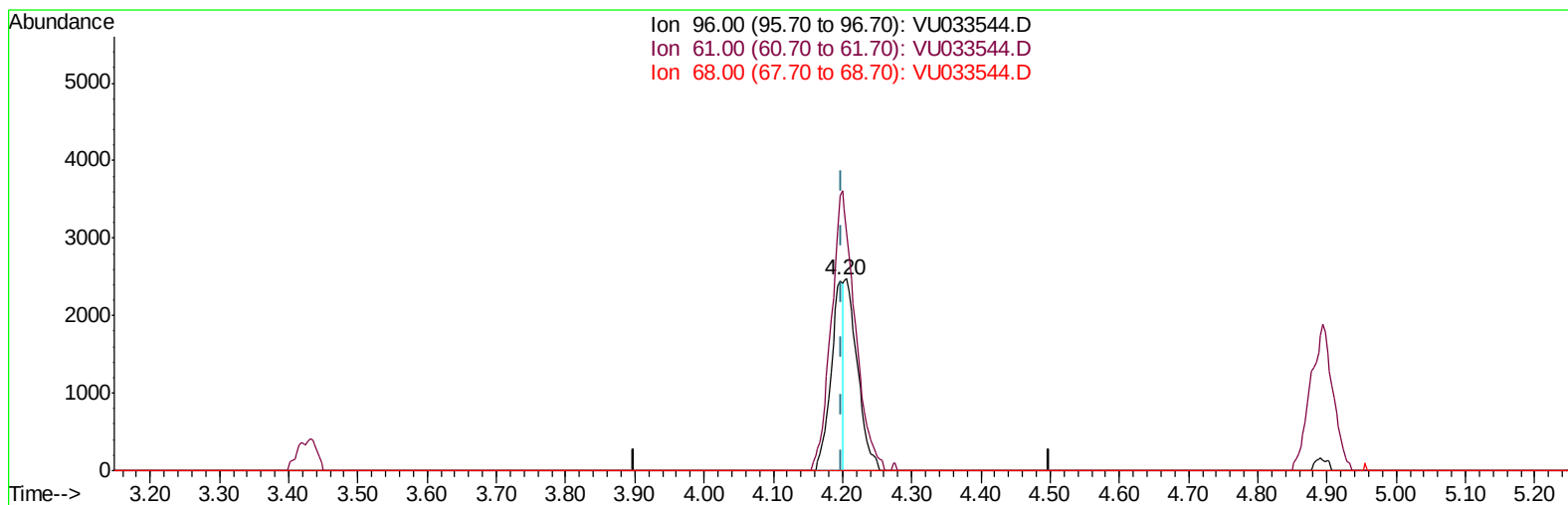
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TIC: VU033544.D

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

4.196min (-0.003) 1.26ug/L

response 2899

Ion	Exp%	Act%
96.00	100	100
61.00	130.50	144.58
68.00	0.00	0.00
0.00	0.00	0.00

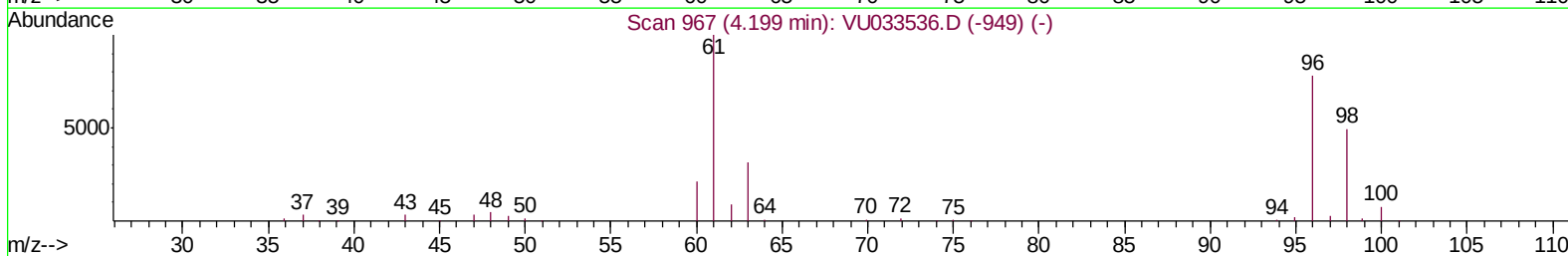
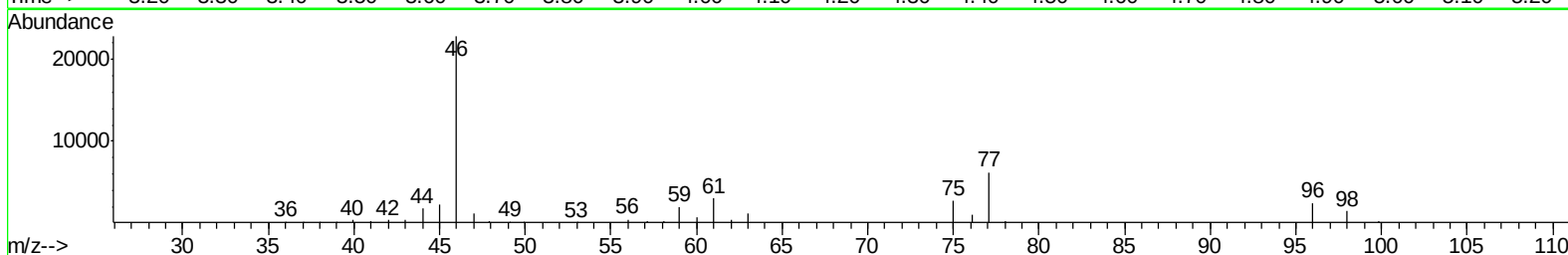
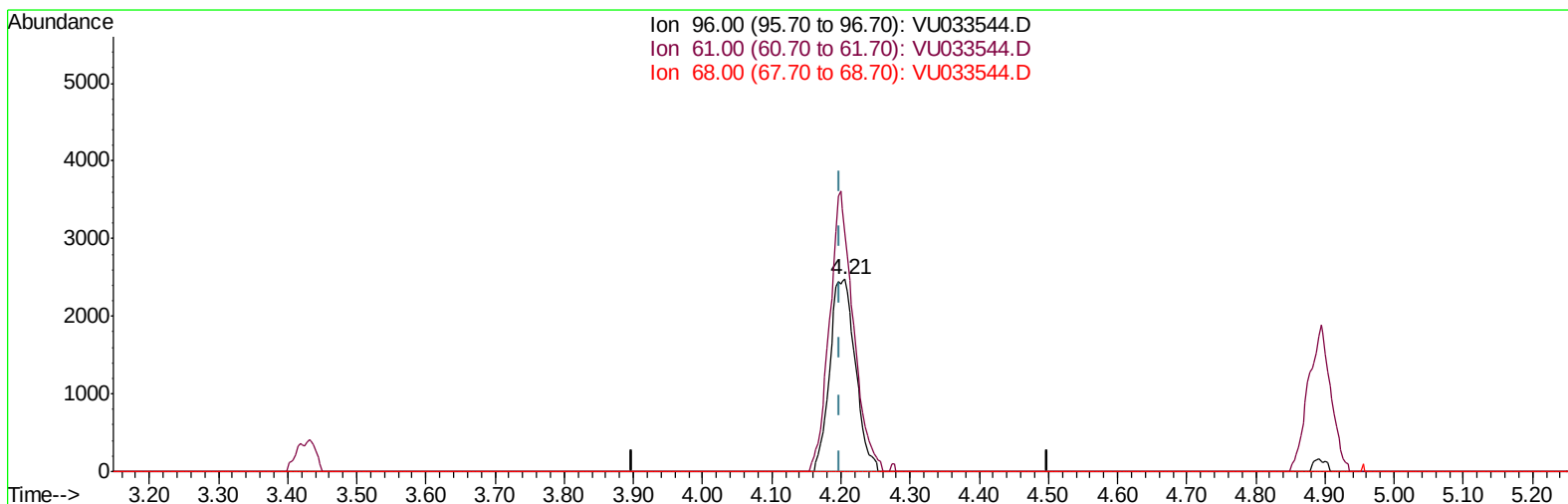
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TIC: VU033544.D

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

4.206min (+0.006) 2.74ug/L m

response 6326

Ion	Exp%	Act%
96.00	100	100
61.00	130.50	123.85
68.00	0.00	0.00
0.00	0.00	0.00

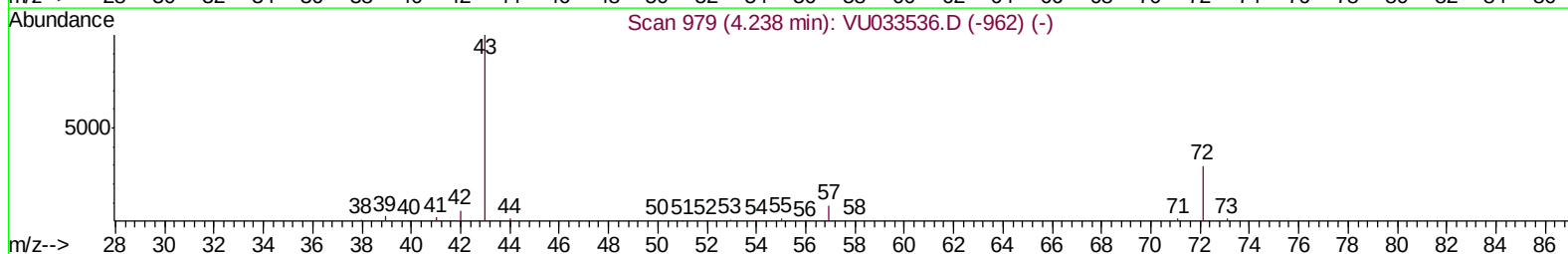
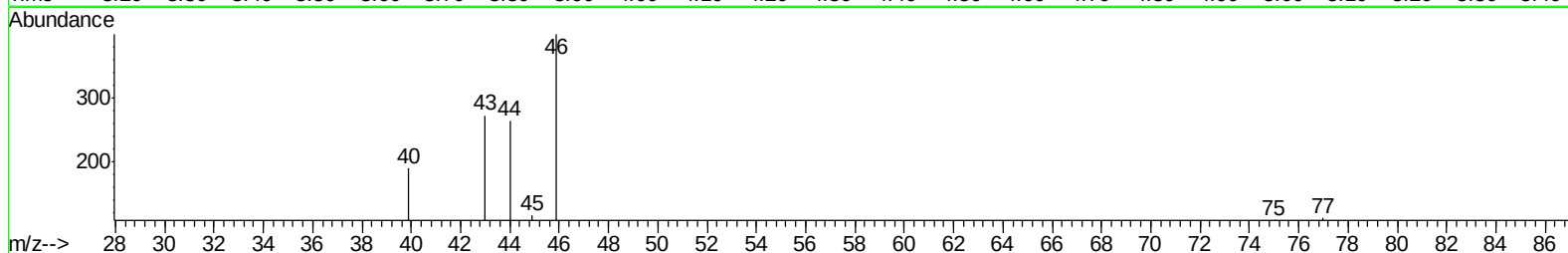
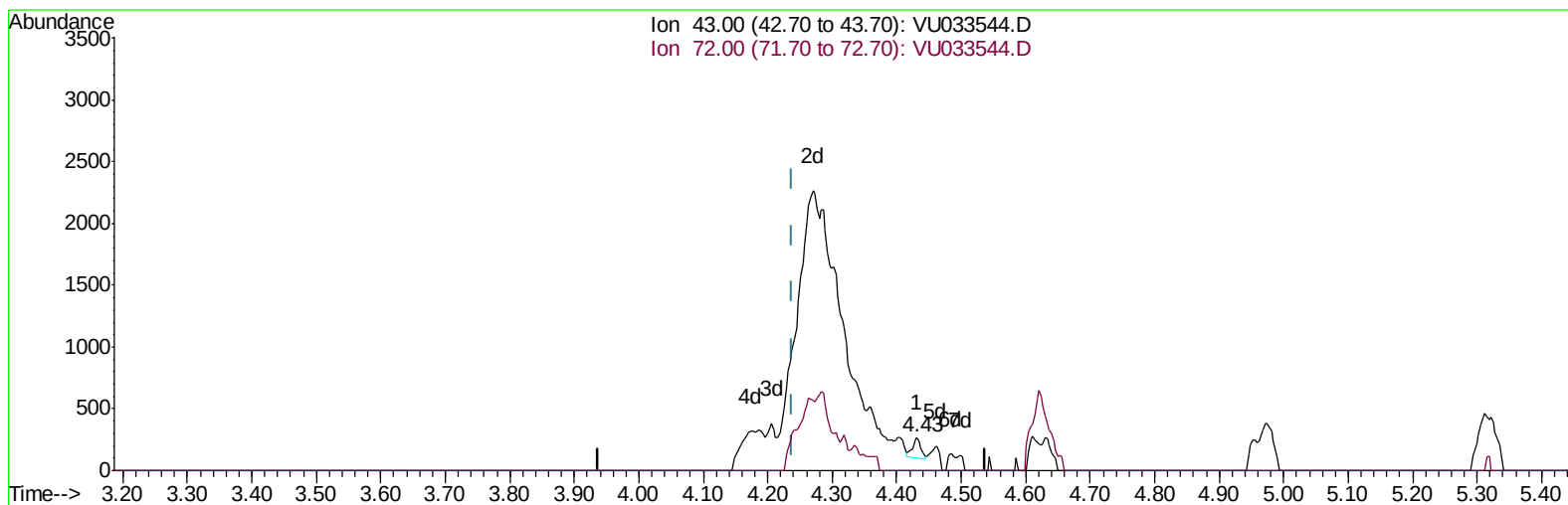
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TIC: VU033544.D

(22) 2-Butanone (T)

4.431min (+0.193) 0.08ug/L

response 149

Ion	Exp%	Act%
43.00	100	100
72.00	28.40	26.17
0.00	0.00	0.00
0.00	0.00	0.00

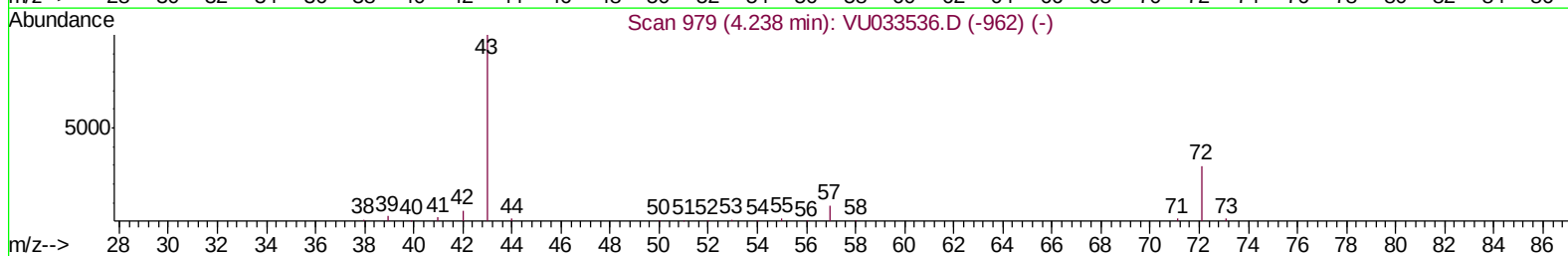
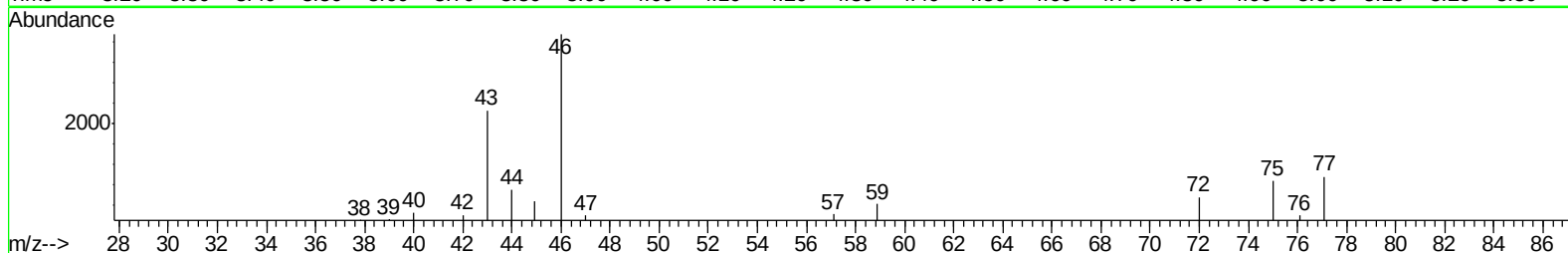
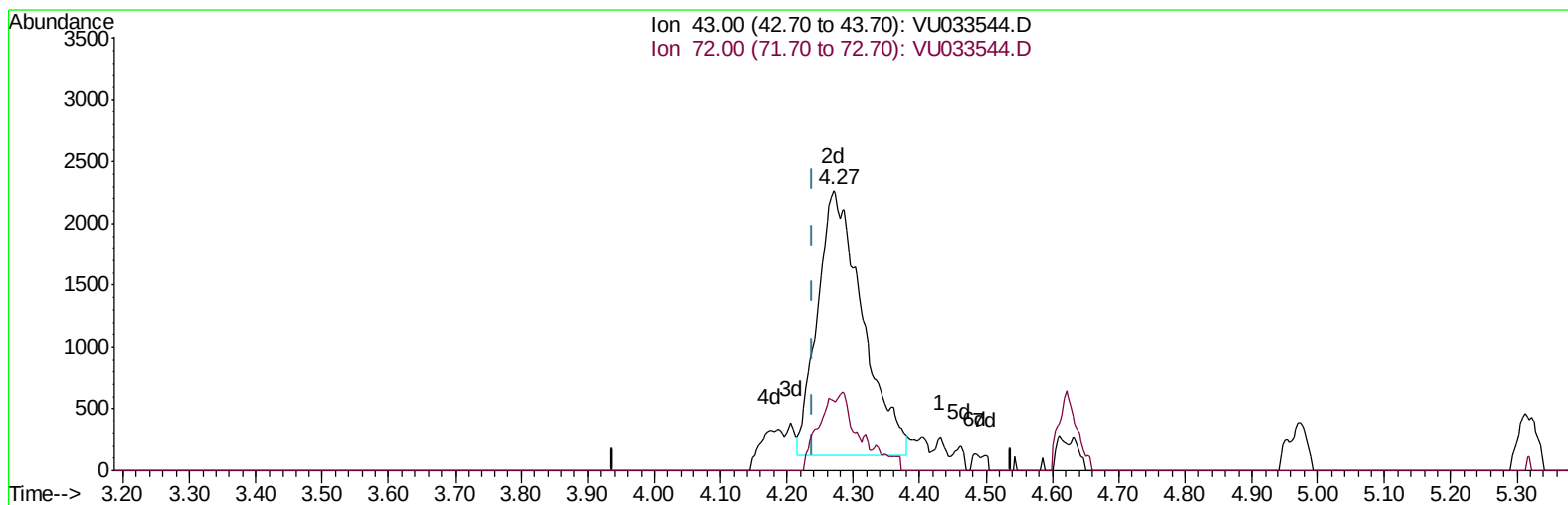
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TIC: VU033544.D

(22) 2-Butanone (T)

4.270min (+0.032) 5.67ug/L m

response 10095

Ion	Exp%	Act%
43.00	100	100
72.00	28.40	0.39#
0.00	0.00	0.00
0.00	0.00	0.00

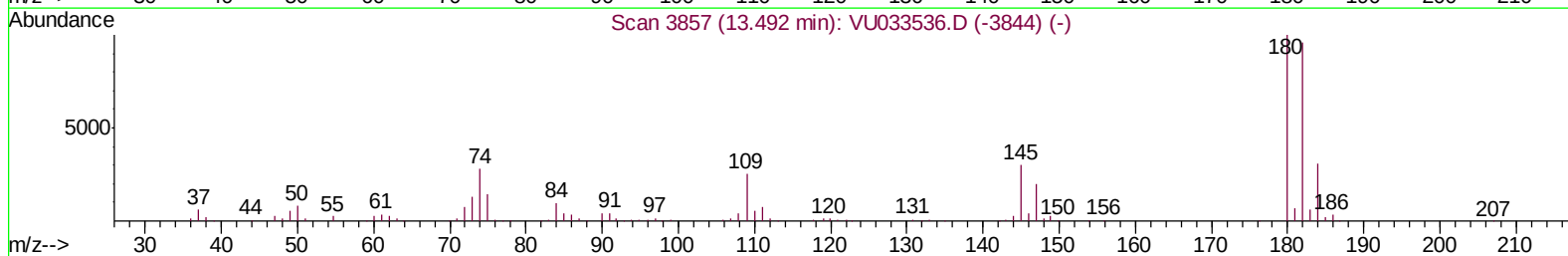
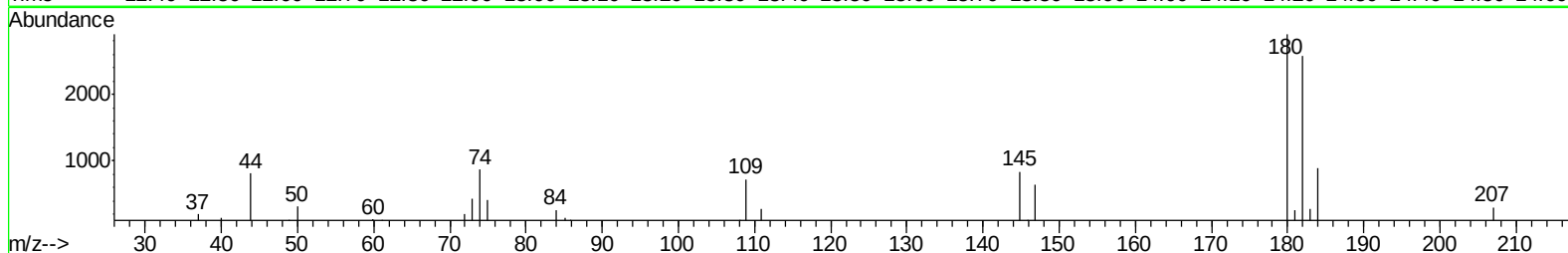
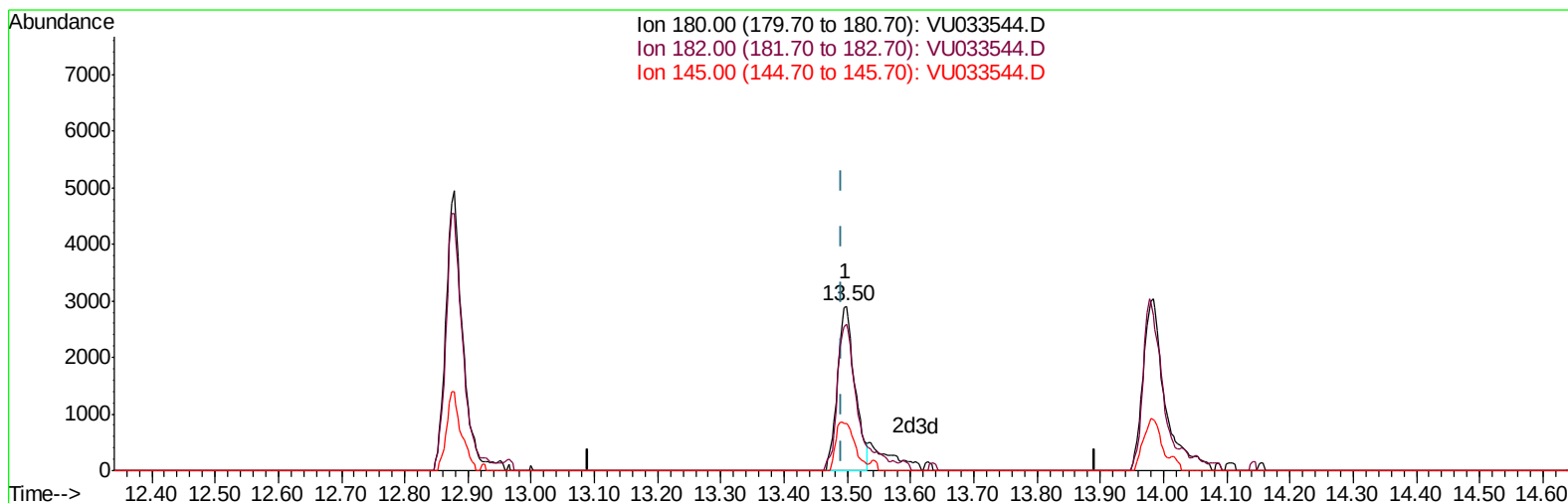
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TIC: VU033544.D

(68) 1,2,4-trichlorobenzene (T)

13.498min (+0.006) 1.82ug/L

response 5631

Ion	Exp%	Act%
180.00	100	100
182.00	94.80	96.95
145.00	30.40	31.40
0.00	0.00	0.00

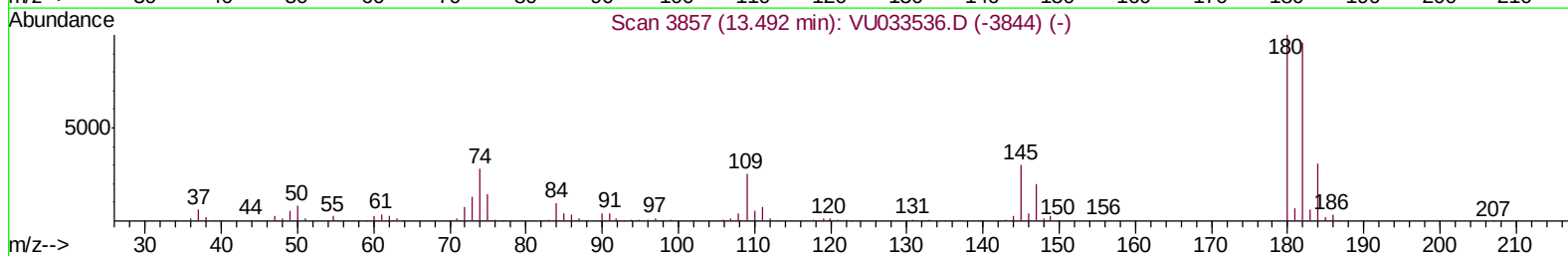
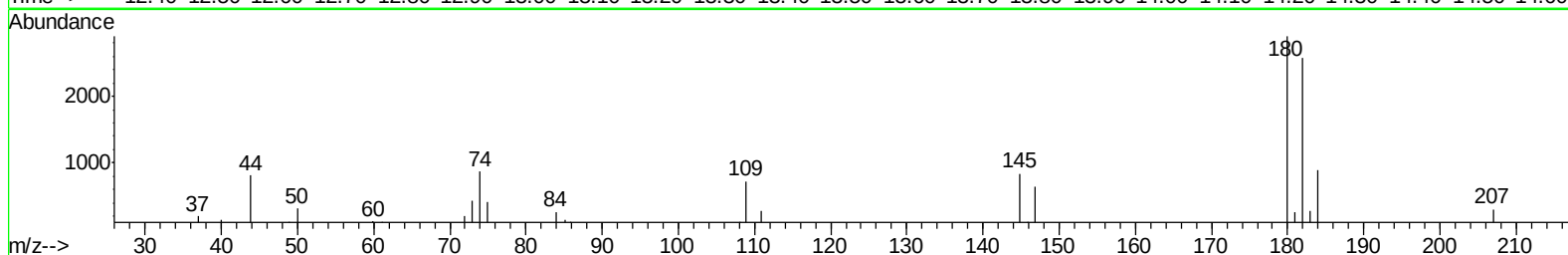
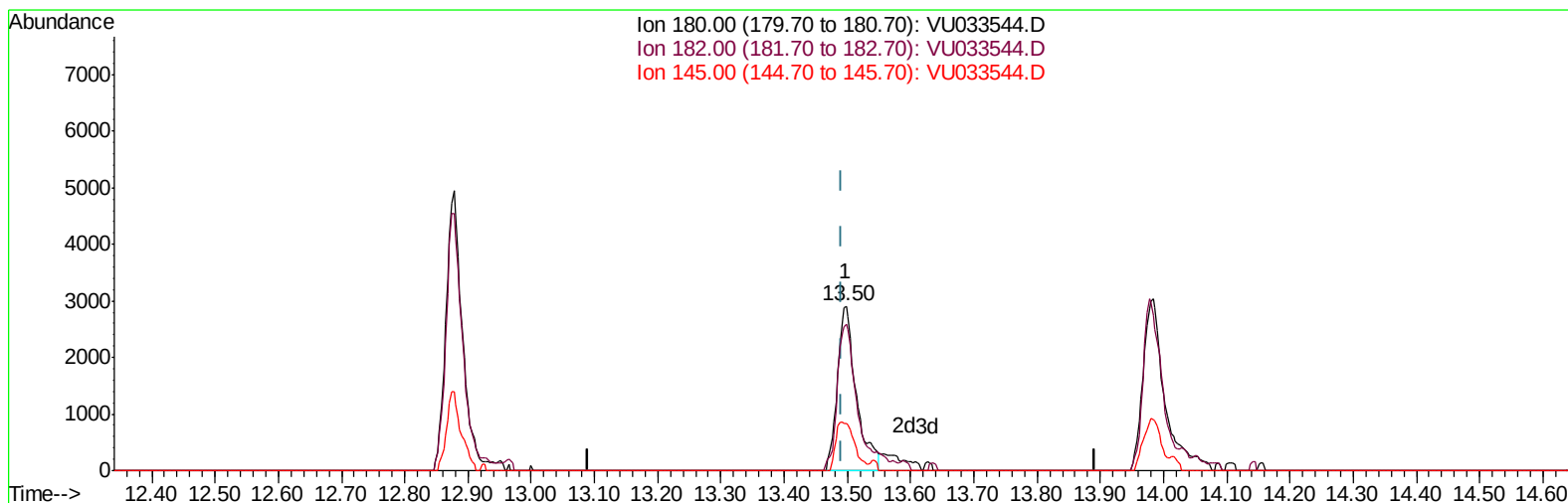
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TIC: VU033544.D

(68) 1,2,4-trichlorobenzene (T)

13.498min (+0.006) 1.97ug/L m

response 6103

Ion	Exp%	Act%
180.00	100	100
182.00	94.80	89.45
145.00	30.40	28.97
0.00	0.00	0.00

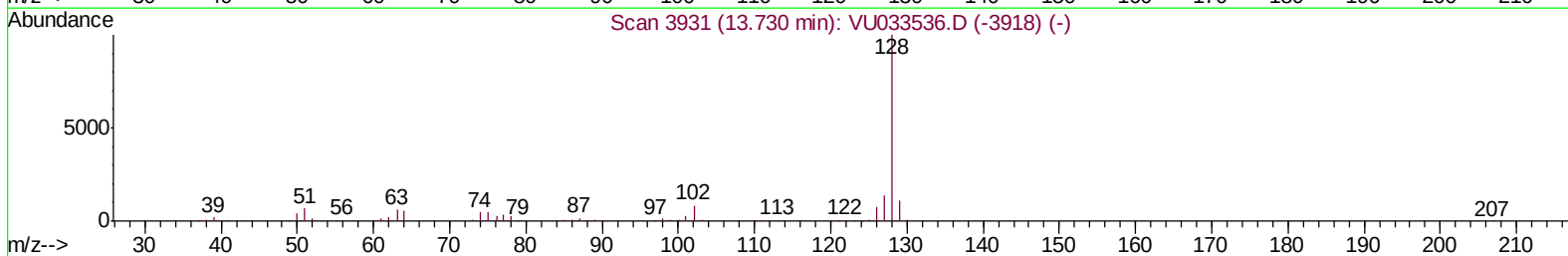
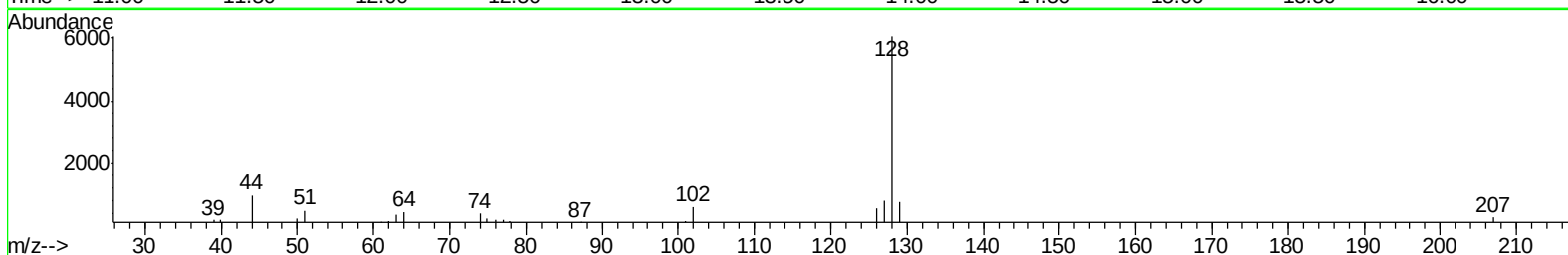
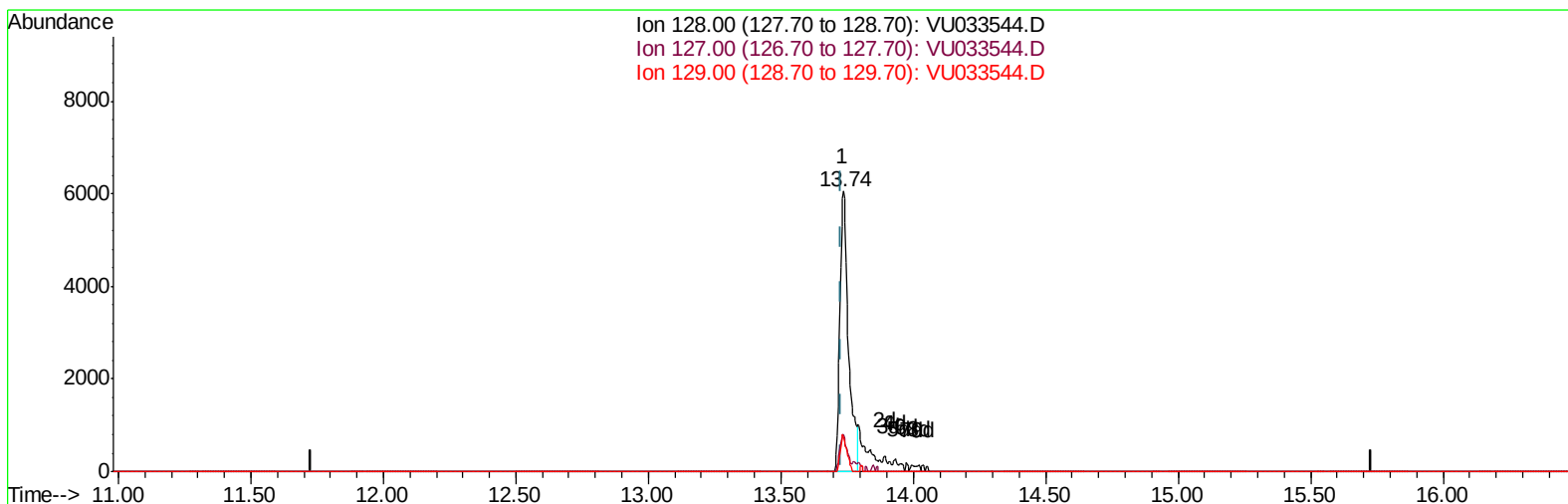
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TIC: VU033544.D

(69) Naphthalene

13.736min (+0.006) 1.49ug/L

response 13245

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	11.40
129.00	10.90	9.85
0.00	0.00	0.00

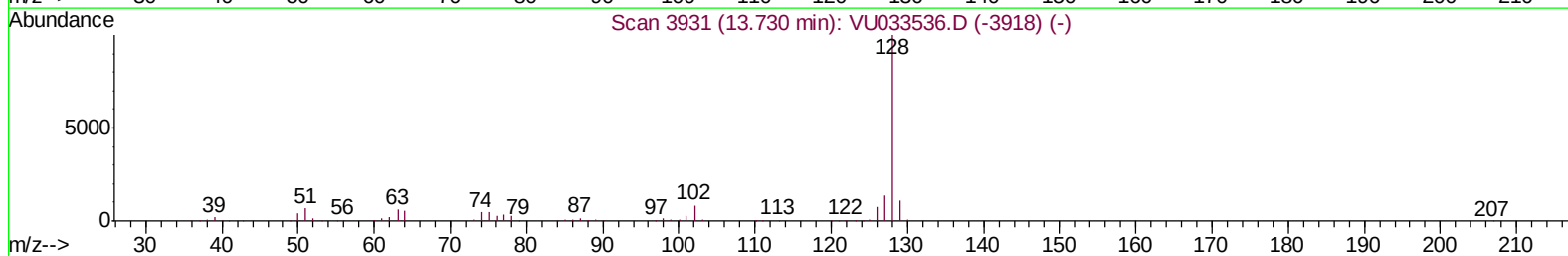
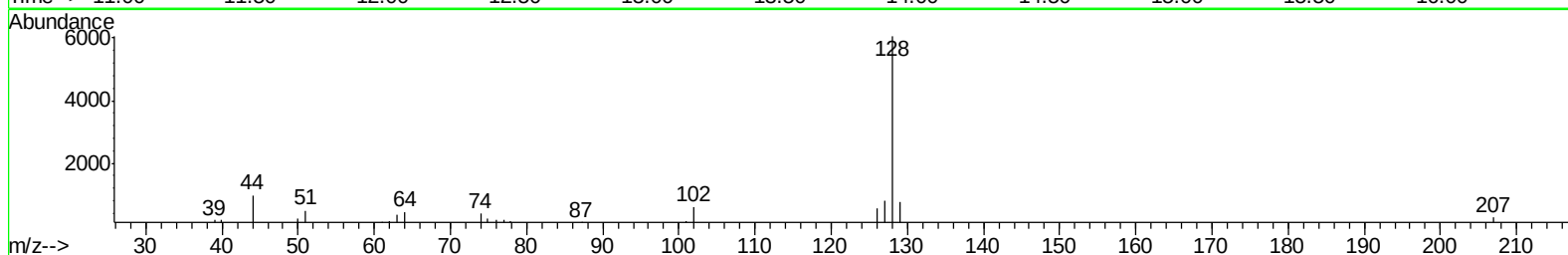
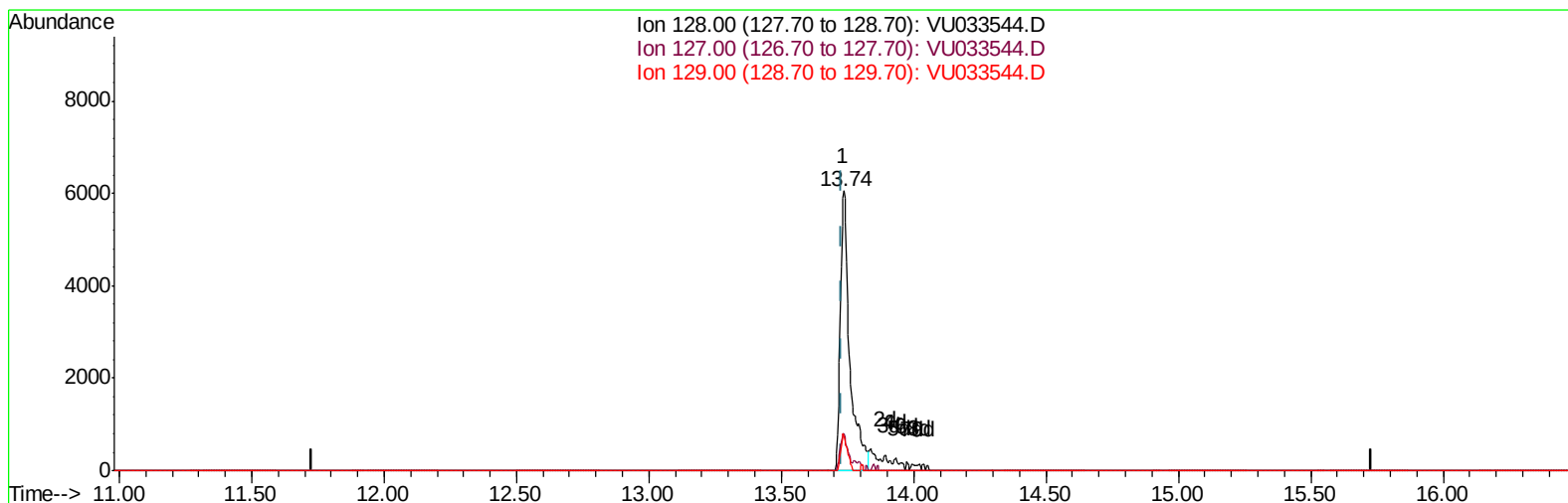
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TIC: VU033544.D

(69) Naphthalene

13.736min (+0.006) 1.66ug/L m

response 14706

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	10.27#
129.00	10.90	8.87
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	302721	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	300079	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	146067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	93281	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.76%
7) Chloroethane-d5	1.67	69	81816	43.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.66%
11) 1,1-Dichloroethene-d2	2.26	63	142898	35.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.54%
21) 2-Butanone-d5	4.18	46	159940	109.72	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.72%
24) Chloroform-d	4.62	84	175869	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
26) 1,2-Dichloroethane-d4	5.29	65	116017	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
32) Benzene-d6	5.32	84	349002	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
36) 1,2-Dichloropropane-d6	6.31	67	113959	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.74%
41) Toluene-d8	7.55	98	312809	44.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.74%
43) trans-1,3-Dichloropropene-	7.83	79	51577	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.18%
47) 2-Hexanone-d5	8.30	63	114716	103.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.61%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	175384	48.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.56%
64) 1,2-Dichlorobenzene-d4	11.85	152	128983	48.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7379	2.585 ug/L	95
3) Chloromethane	1.32	50	8676	3.017 ug/L	99
5) Vinyl chloride	1.39	62	9228	2.994 ug/L	85
6) Bromomethane	1.62	94	5433	1.998 ug/L	93
8) Chloroethane	1.69	64	5858	3.127 ug/L	91
9) Trichlorofluoromethane	1.87	101	11740	2.911 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6854	3.353 ug/L #	85
12) 1,1-Dichloroethene	2.27	96	6786	3.462 ug/L #	1
13) Acetone	2.34	43	8467m	5.677 ug/L	
14) Carbon disulfide	2.46	76	16609	2.701 ug/L	99
15) Methyl Acetate	2.62	43	6918	2.914 ug/L	95
16) Methylene chloride	2.68	84	6577	2.937 ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	5647	2.749 ug/L	93
18) Methyl tert-butyl Ether	2.98	73	16026	2.559 ug/L	99
19) 1,1-Dichloroethane	3.42	63	10277	2.666 ug/L	96
20) cis-1,2-Dichloroethene	4.21	96	6326m	2.744 ug/L	
22) 2-Butanone	4.27	43	10095m	5.670 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	3312	2.754	ug/L	93
25) Chloroform	4.65	83	14636	3.608	ug/L	92
27) 1,2-Dichloroethane	5.39	62	9128	2.922	ug/L #	94
29) Cyclohexane	4.97	56	8040	2.456	ug/L	95
30) 1,1,1-Trichloroethane	4.89	97	9568	2.771	ug/L	97
31) Carbon tetrachloride	5.11	117	7627	2.537	ug/L	95
33) Benzene	5.37	78	23054	2.663	ug/L	100
34) Trichloroethene	6.17	95	6650	2.912	ug/L	96
35) Methylcyclohexane	6.40	83	8464	2.375	ug/L	98
37) 1,2-Dichloropropane	6.41	63	6644	2.867	ug/L	99
38) Bromodichloromethane	6.74	83	8109	2.707	ug/L	90
39) cis-1,3-Dichloropropene	7.25	75	8645	2.390	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	16294	5.093	ug/L	95
42) Toluene	7.62	91	24249	2.605	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	8612	2.635	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	6052	2.751	ug/L	96
46) Tetrachloroethene	8.21	164	4729	2.537	ug/L	97
48) 2-Hexanone	8.35	43	17004	6.575	ug/L	92
49) Dibromochloromethane	8.46	129	6348	2.536	ug/L	100
50) 1,2-Dibromoethane	8.57	107	6175	2.534	ug/L	99
51) Chlorobenzene	9.10	112	15687	2.574	ug/L	90
52) Ethylbenzene	9.23	91	23792	2.374	ug/L	93
53) m,p-Xylene	9.36	106	8714	2.265	ug/L	92
54) o-xylene	9.76	106	8186	2.193	ug/L	95
55) Styrene	9.78	104	13630	2.150	ug/L	98
56) Isopropylbenzene	10.15	105	21147	2.168	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	11910	3.002	ug/L	96
59) 1,2,3-Trichloropropane	10.48	75	7971	2.606	ug/L	95
61) Bromoform	9.94	173	4849	2.748	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	11438	2.550	ug/L	90
63) 1,4-Dichlorobenzene	11.49	146	12944	2.777	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	13360	2.946	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	2265	2.703	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	8816	2.436	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	6103m	1.974	ug/L	
69) Naphthalene	13.74	128	14706m	1.658	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	7097	2.182	ug/L	92

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

Data File : VU033544.D

```
Acq On       : 01 Aug 2019   12:26
Operator    : JC/SP
Sample      : MDL07
Misc        : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial    : 10      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Manual Integrations

MMDadoda
8/2/2019 8:29:39 AM

Quant Time: Aug 02 02:27:31 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

