

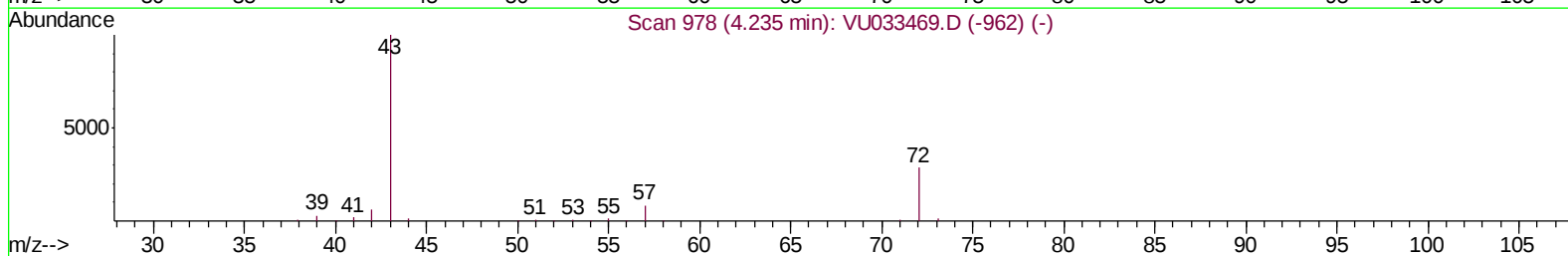
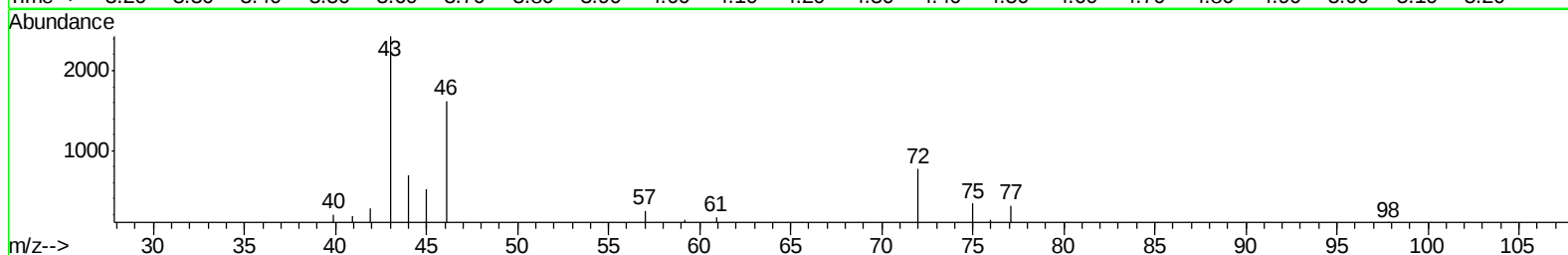
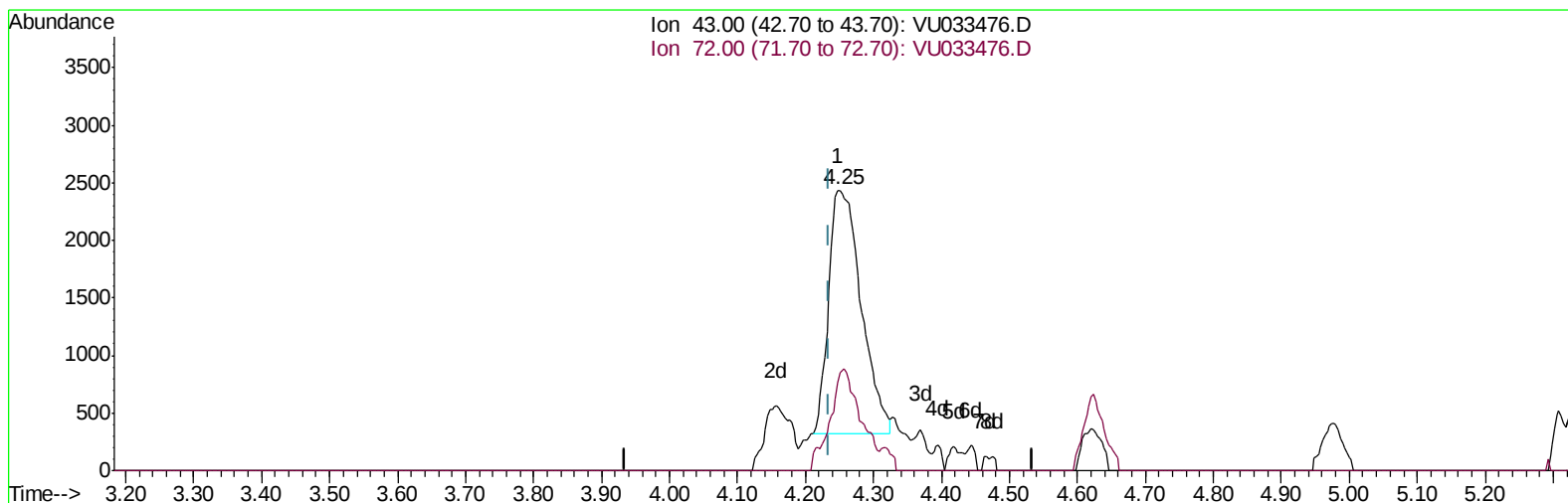
Data File : VU033476.D
Acq On : 29 Jul 2019 18:28
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/30/2019 3:01:02 PM

Quant Time: Jul 30 04:16:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 04:12:14 2019
Response via : Initial Calibration



TIC: VU033476.D

(22) 2-Butanone (T)
4.247min (+0.013) 3.90ug/L

response 6992

Ion	Exp%	Act%
43.00	100	100
72.00	28.20	37.23
0.00	0.00	0.00
0.00	0.00	0.00

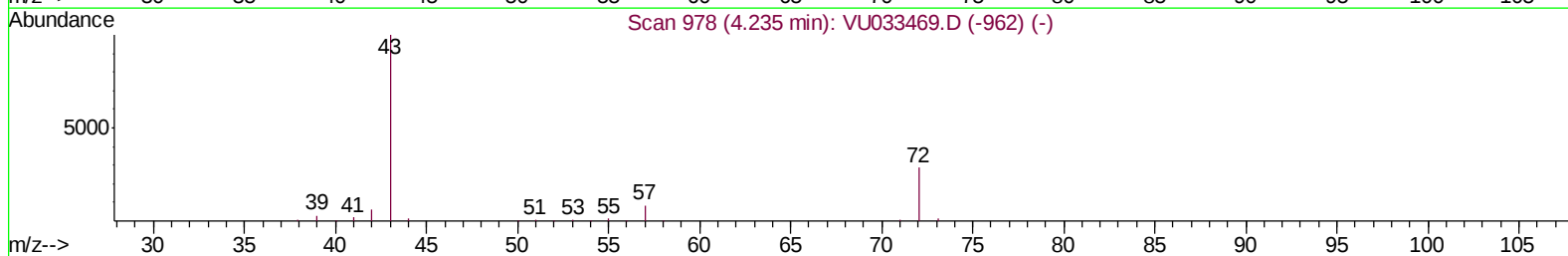
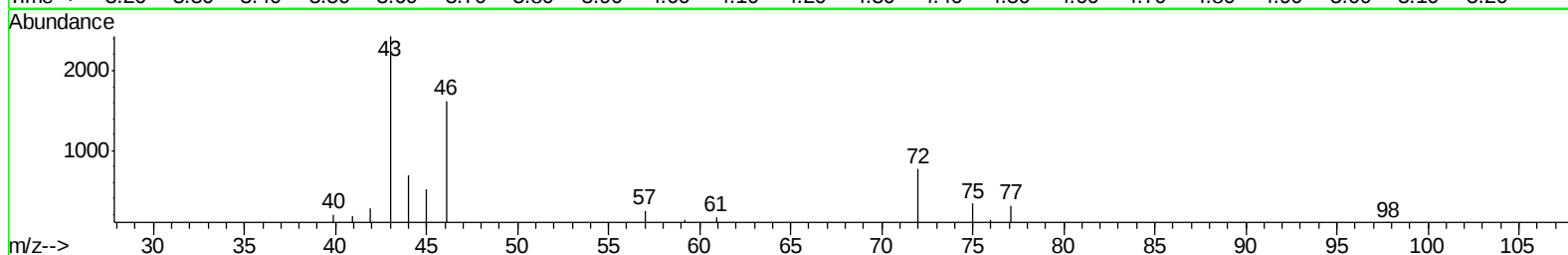
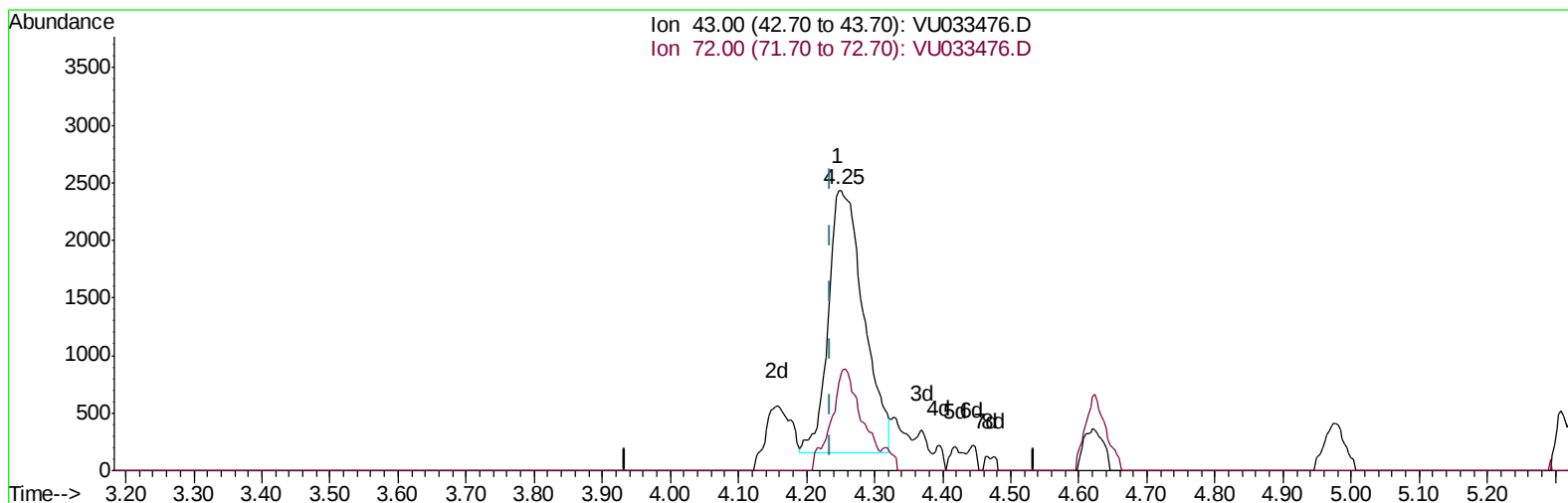
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TIC: VU033476.D

(22) 2-Butanone (T)
4.247min (+0.013) 4.62ug/L m
response 8295

Ion	Exp%	Act%
43.00	100	100
72.00	28.20	31.38
0.00	0.00	0.00
0.00	0.00	0.00

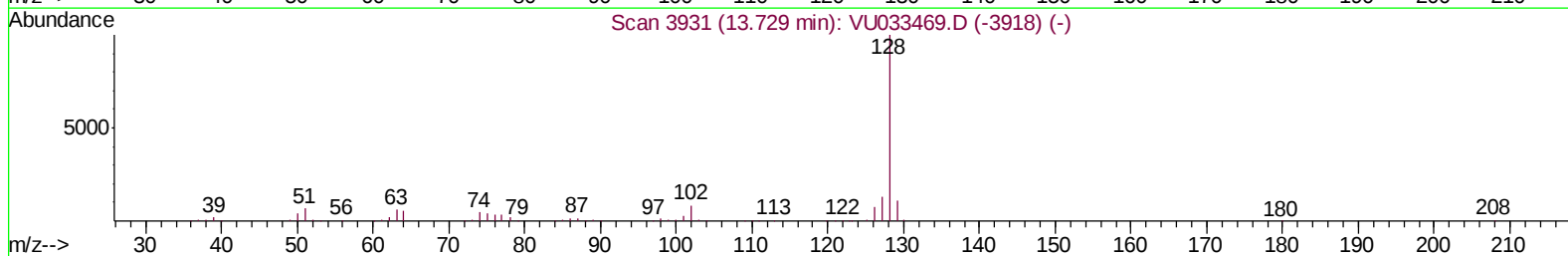
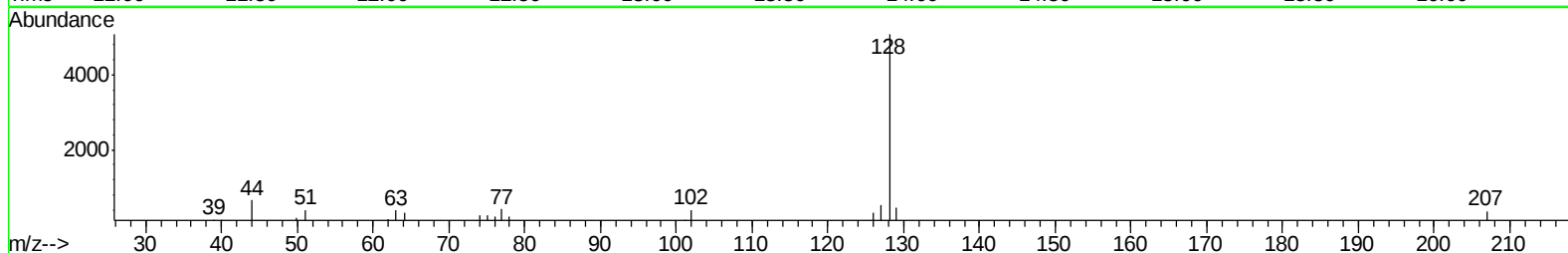
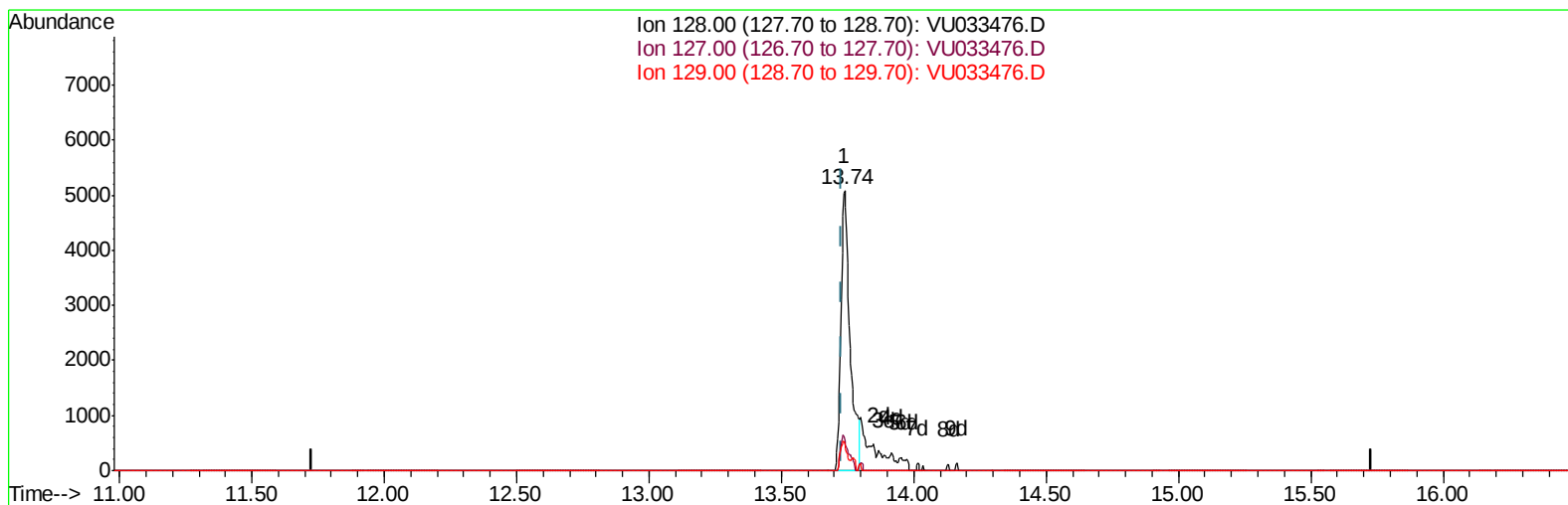
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TIC: VU033476.D

(71) Naphthalene

13.739min (+0.010) 1.47ug/L

response 11890

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	10.99
129.00	10.90	7.77#
0.00	0.00	0.00

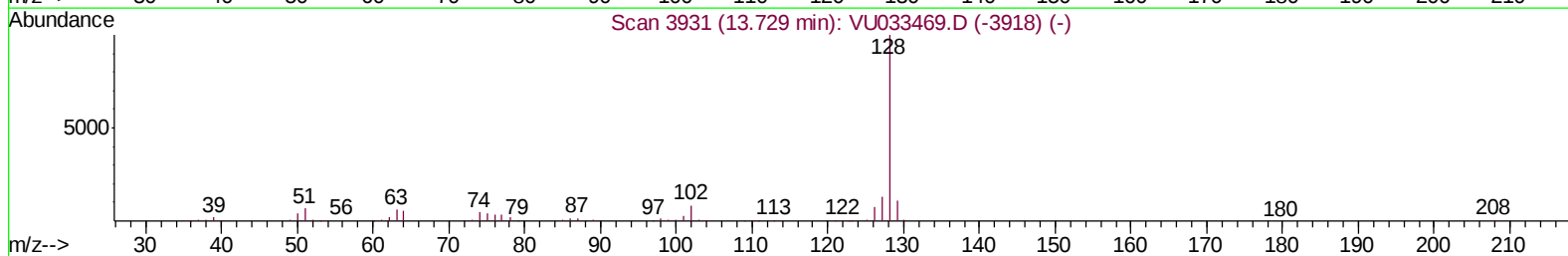
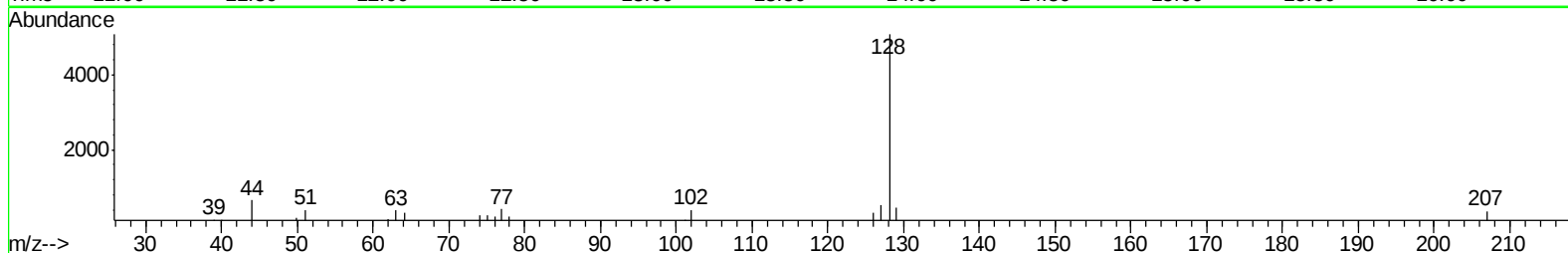
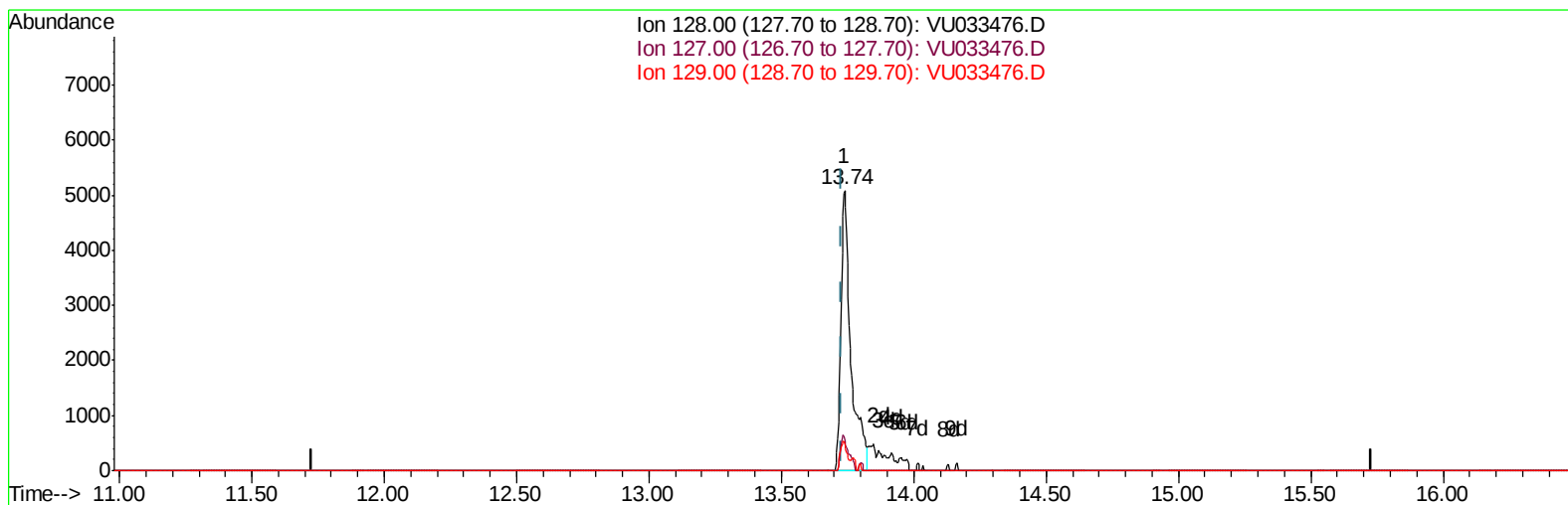
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TIC: VU033476.D

(71) Naphthalene

13.739min (+0.010) 1.62ug/L m

response 13075

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	10.00#
129.00	10.90	7.07#
0.00	0.00	0.00

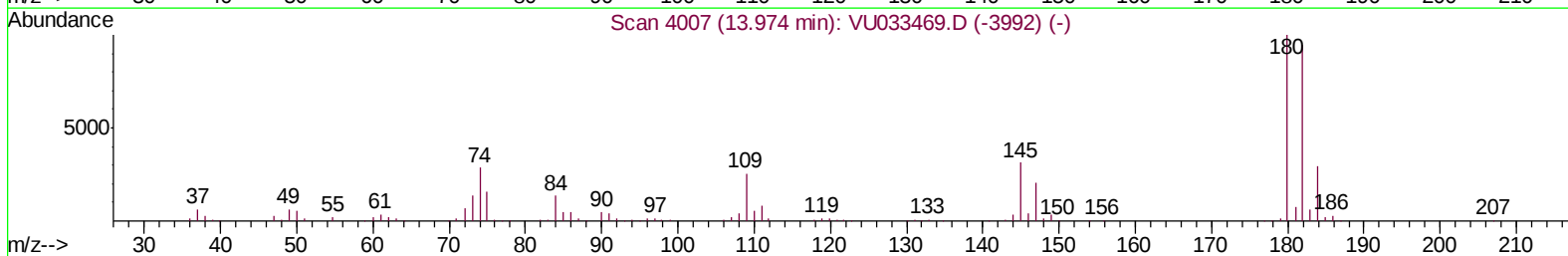
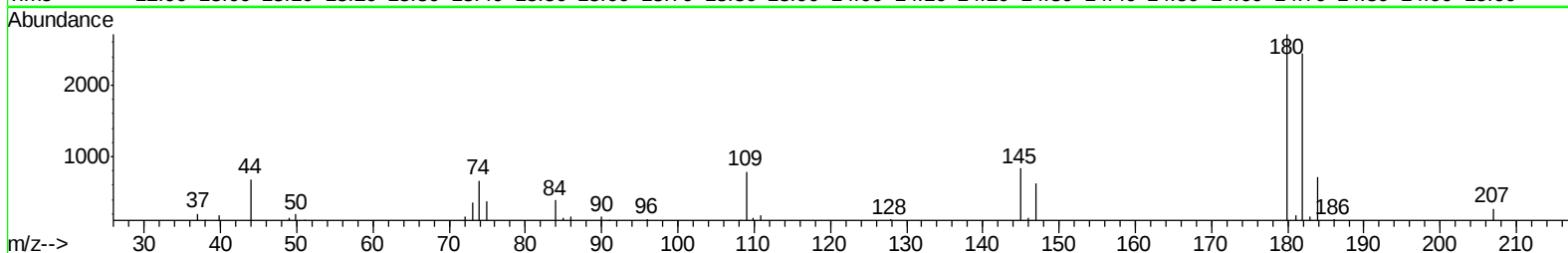
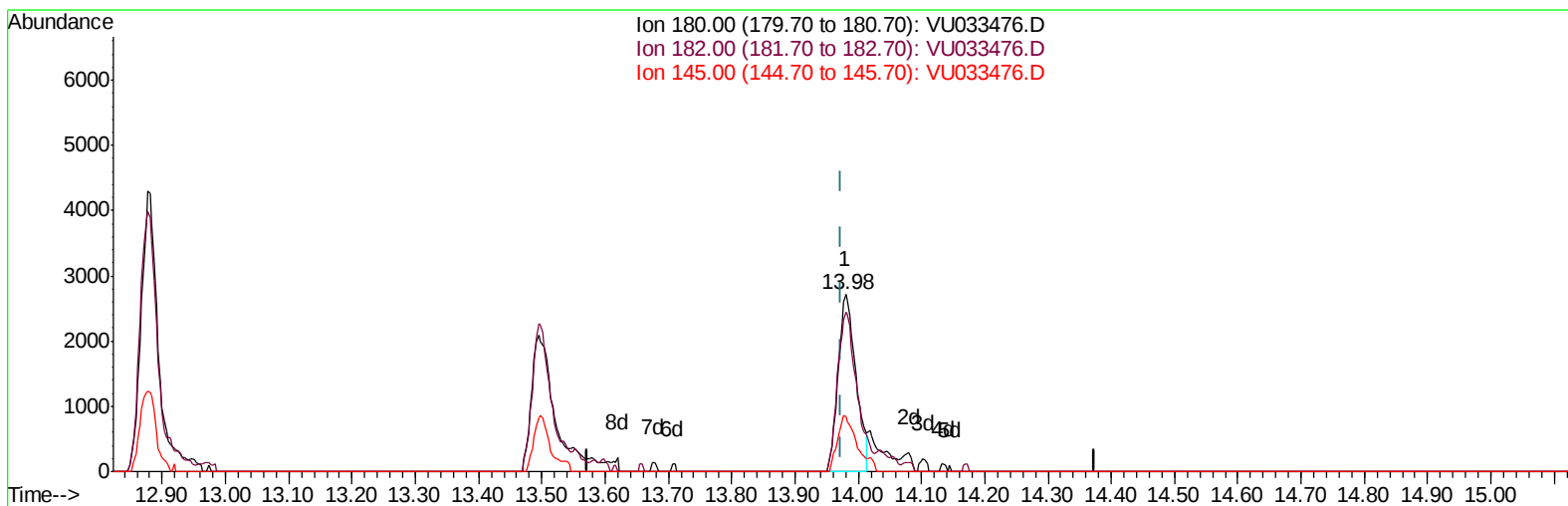
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TIC: VU033476.D

(72) 1,2,3-Trichlorobenzene (T)

13.980min (+0.006) 1.82ug/L

response 5329

Ion	Exp%	Act%
180.00	100	100
182.00	95.50	100.00
145.00	31.10	32.09
0.00	0.00	0.00

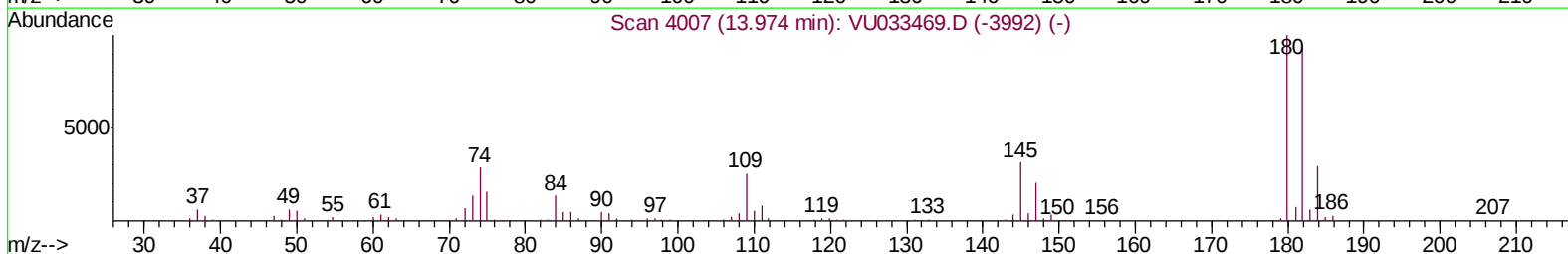
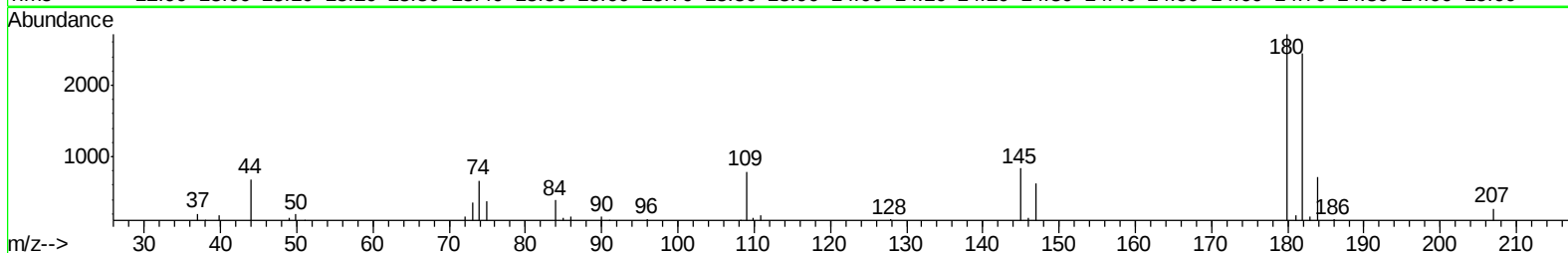
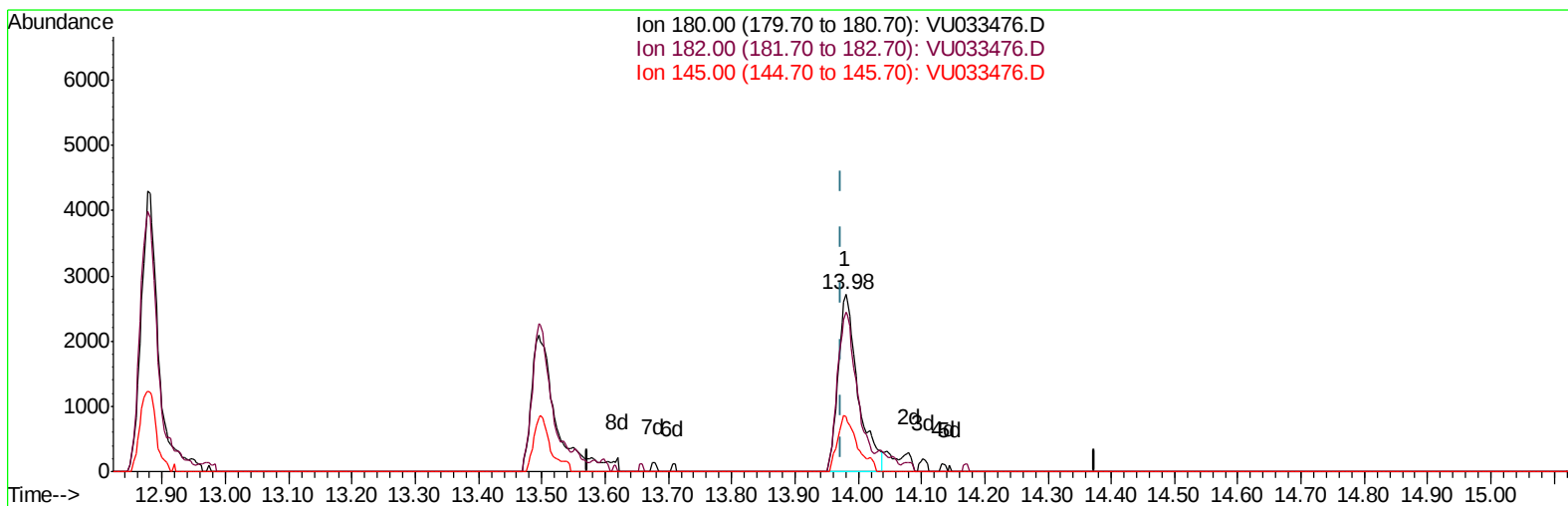
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Instrument :
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Manual Integrations
APPROVED

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TIC: VU033476.D

(72) 1,2,3-Trichlorobenzene (T)

13.980min (+0.006) 2.05ug/L m

response 6000

Ion	Exp%	Act%
180.00	100	100
182.00	95.50	88.82
145.00	31.10	28.50
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	292920	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	297666	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	135065	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	129422	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.32%
7) Chloroethane-d5	1.67	69	111177	50.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.18%
11) 1,1-Dichloroethene-d2	2.25	63	172110	35.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.76%
21) 2-Butanone-d5	4.15	46	147069	96.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.49%
24) Chloroform-d	4.62	84	188419	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.29	65	129827	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
32) Benzene-d6	5.32	84	401964	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
36) 1,2-Dichloropropane-d6	6.31	67	126747	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.55	98	365245	48.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.24%
43) trans-1,3-Dichloropropene-	7.83	79	57041	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.29	63	106063	103.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.01%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	187034	49.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.34%
66) 1,2-Dichlorobenzene-d4	11.85	152	138619	53.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7692	2.632 ug/L	98
3) Chloromethane	1.32	50	7988	2.738 ug/L	97
5) Vinyl chloride	1.40	62	9199	2.757 ug/L #	71
6) Bromomethane	1.62	94	5944	2.549 ug/L	94
8) Chloroethane	1.69	64	5775	2.821 ug/L	100
9) Trichlorofluoromethane	1.87	101	11944	2.729 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7097	3.227 ug/L	85
12) 1,1-Dichloroethene	2.27	96	6643	3.100 ug/L #	1
13) Acetone	2.31	43	7319	4.845 ug/L	99
14) Carbon disulfide	2.46	76	16276	2.549 ug/L	97
15) Methyl Acetate	2.60	43	6345	2.619 ug/L	96
16) Methylene chloride	2.68	84	7009	2.977 ug/L	96
17) trans-1,2-Dichloroethene	2.97	96	5492	2.580 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	15542	2.474 ug/L #	90
19) 1,1-Dichloroethane	3.42	63	10638	2.654 ug/L	95
20) cis-1,2-Dichloroethene	4.20	96	5946	2.531 ug/L	95
22) 2-Butanone	4.25	43	8295m	4.622 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	3263	2.615	ug/L	94
25) Chloroform	4.65	83	21561	5.074	ug/L	93
27) 1,2-Dichloroethane	5.39	62	8805	2.668	ug/L	98
29) Cyclohexane	4.97	56	7387	2.259	ug/L	93
30) 1,1,1-Trichloroethane	4.89	97	9610	2.711	ug/L #	86
31) Carbon tetrachloride	5.11	117	7912	2.508	ug/L	94
33) Benzene	5.37	78	24037	2.702	ug/L	100
34) Trichloroethene	6.17	95	6593	2.844	ug/L	89
35) Methylcyclohexane	6.40	83	8257	2.343	ug/L	98
37) 1,2-Dichloropropane	6.41	63	6848	2.862	ug/L #	95
38) Bromodichloromethane	6.74	83	8011	2.543	ug/L	94
39) cis-1,3-Dichloropropene	7.25	75	8249	2.312	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	15603	4.948	ug/L	93
42) Toluene	7.62	91	26012	2.717	ug/L	95
44) trans-1,3-Dichloropropene	7.86	75	8257	2.550	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	6397	2.803	ug/L	88
46) Tetrachloroethene	8.21	164	4835	2.563	ug/L	94
48) 2-Hexanone	8.35	43	15952	6.209	ug/L	95
49) Dibromochloromethane	8.46	129	6538	2.559	ug/L	95
50) 1,2-Dibromoethane	8.57	107	6384	2.579	ug/L	98
51) Chlorobenzene	9.10	112	16159	2.540	ug/L	97
52) Ethylbenzene	9.23	91	23998	2.312	ug/L	97
53) m,p-Xylene	9.36	106	9109	2.334	ug/L	95
54) o-xylene	9.76	106	8327	2.176	ug/L	100
55) Styrene	9.78	104	13797	2.125	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	11575	2.853	ug/L #	93
59) Bromoform	9.94	173	4482	2.653	ug/L #	93
60) 1,2,3-Trichloropropane	10.48	75	8606	3.128	ug/L	97
61) Isopropylbenzene	10.15	105	20856	2.411	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	15695	2.239	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	14529	2.090	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	11645	2.641	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	12348	2.711	ug/L	97
67) 1,2-Dichlorobenzene	11.86	146	13247	2.998	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	2033	2.657	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.88	180	8034	2.400	ug/L	95
70) 1,2,4-trichlorobenzene	13.49	180	4710	1.685	ug/L	97
71) Naphthalene	13.74	128	13075m	1.618	ug/L	
72) 1,2,3-Trichlorobenzene	13.98	180	6000m	2.050	ug/L	

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

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