

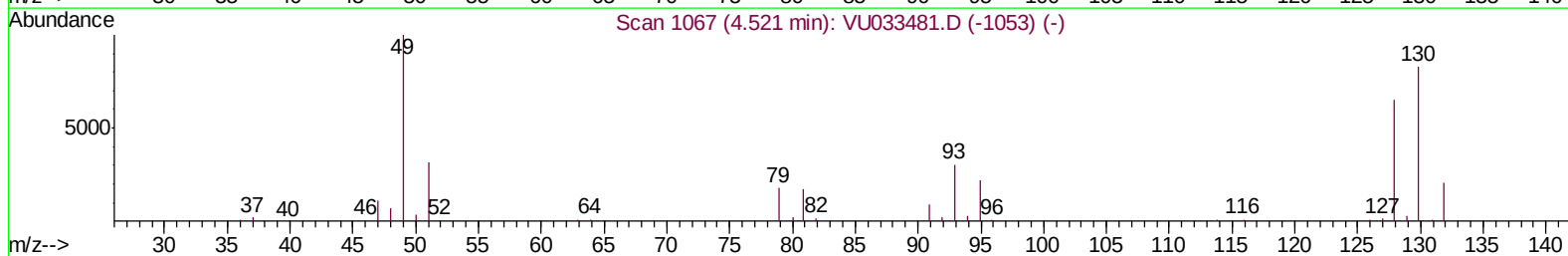
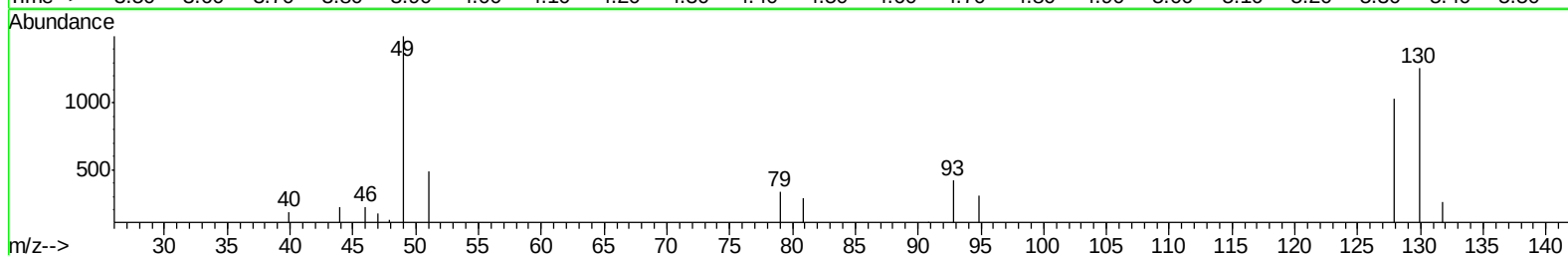
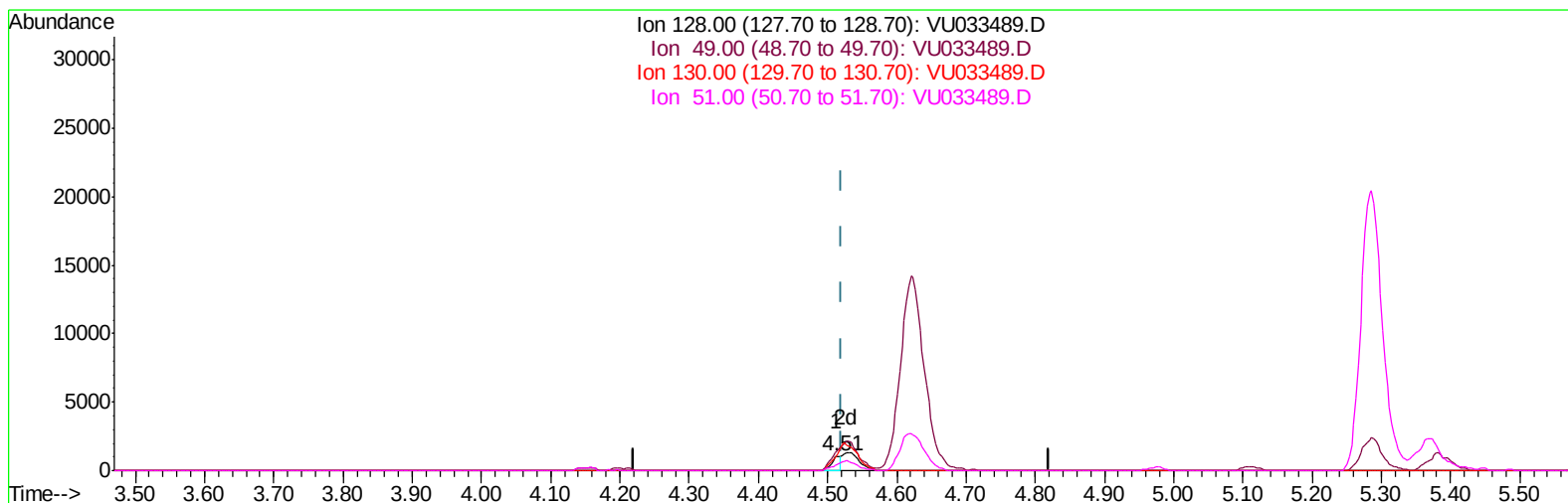
Data File : VU033489.D
Acq On : 30 Jul 2019 12:58
Operator : JC/SP
Sample : MDL05
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
MDL05

Manual Integrations
APPROVED

MMdadoda
8/1/2019 3:14:58 PM

Quant Time: Jul 31 08:50:03 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: VU033489.D

(23) Bromochloromethane (T)

4.514min (-0.006) 0.80ug/L

response 960

Ion	Exp%	Act%
128.00	100	100
49.00	154.30	145.62
130.00	132.70	122.18
51.00	50.30	47.08

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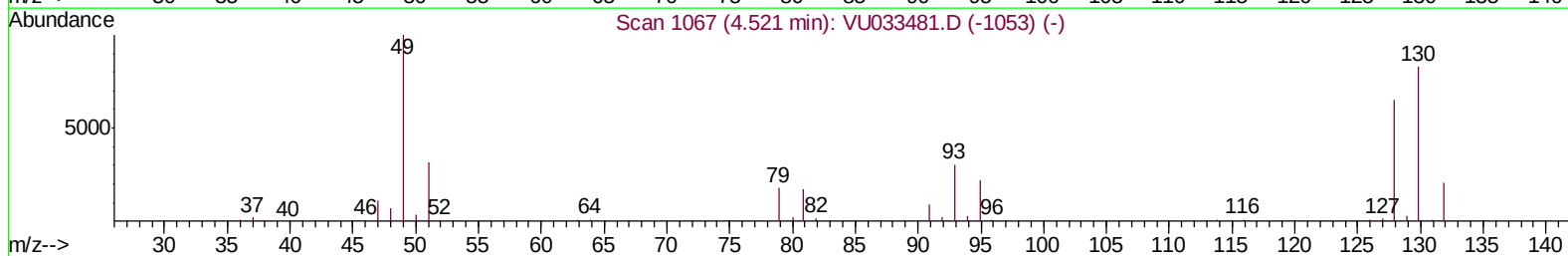
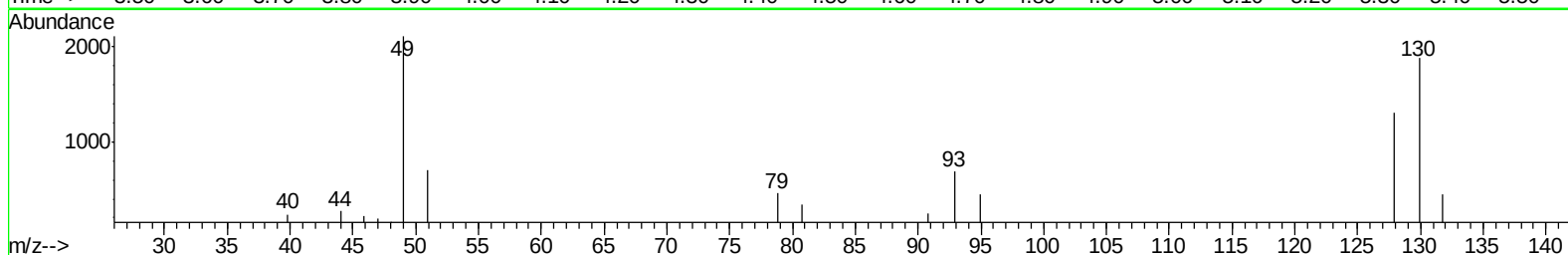
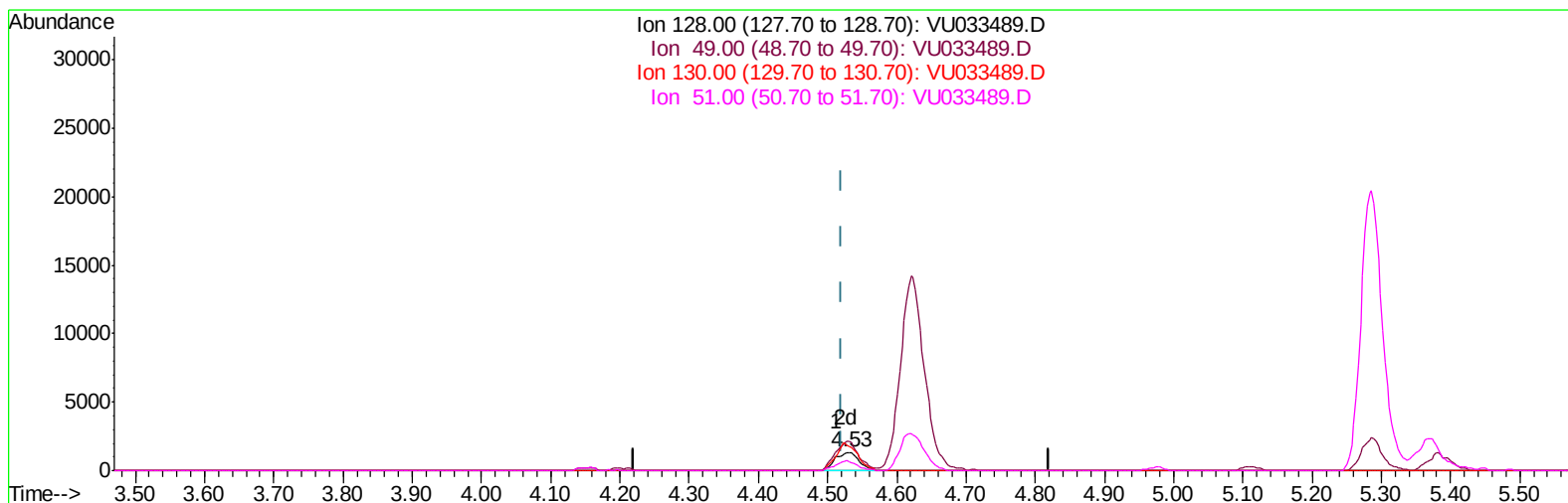
Quant Time: Jul 31 08:50:03 2019

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Quant Title : VOC Analysis

QLast Update : Wed Jul 31 08:44:45 2019

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TIC: VU033489.D

(23) Bromochloromethane (T)

4.527min (+0.007) 2.69ug/L m

response 3217

Ion	Exp%	Act%
128.00	100	100
49.00	154.30	161.39
130.00	132.70	144.50
51.00	50.30	53.90

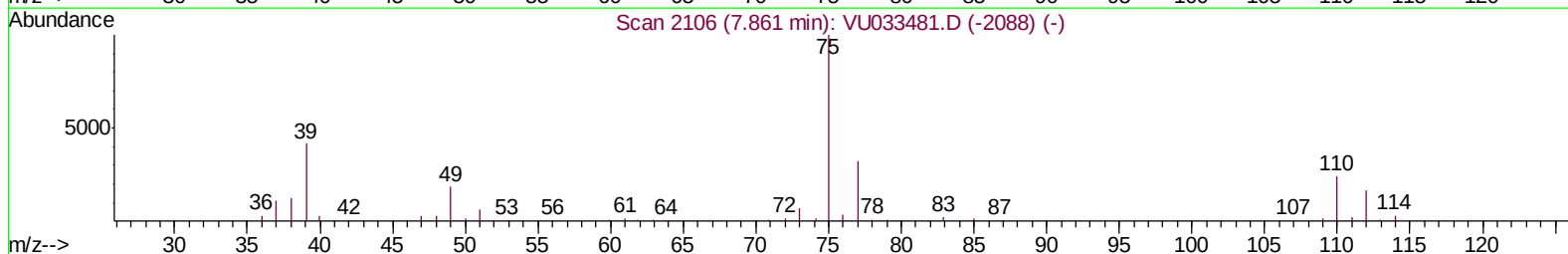
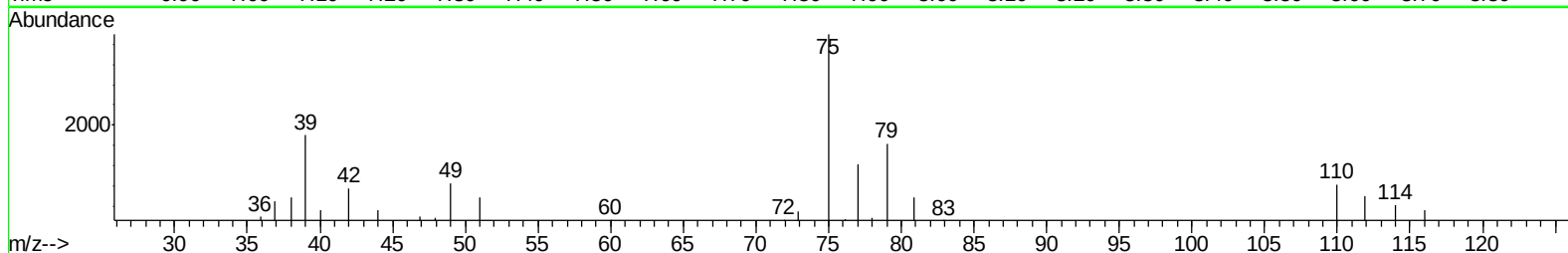
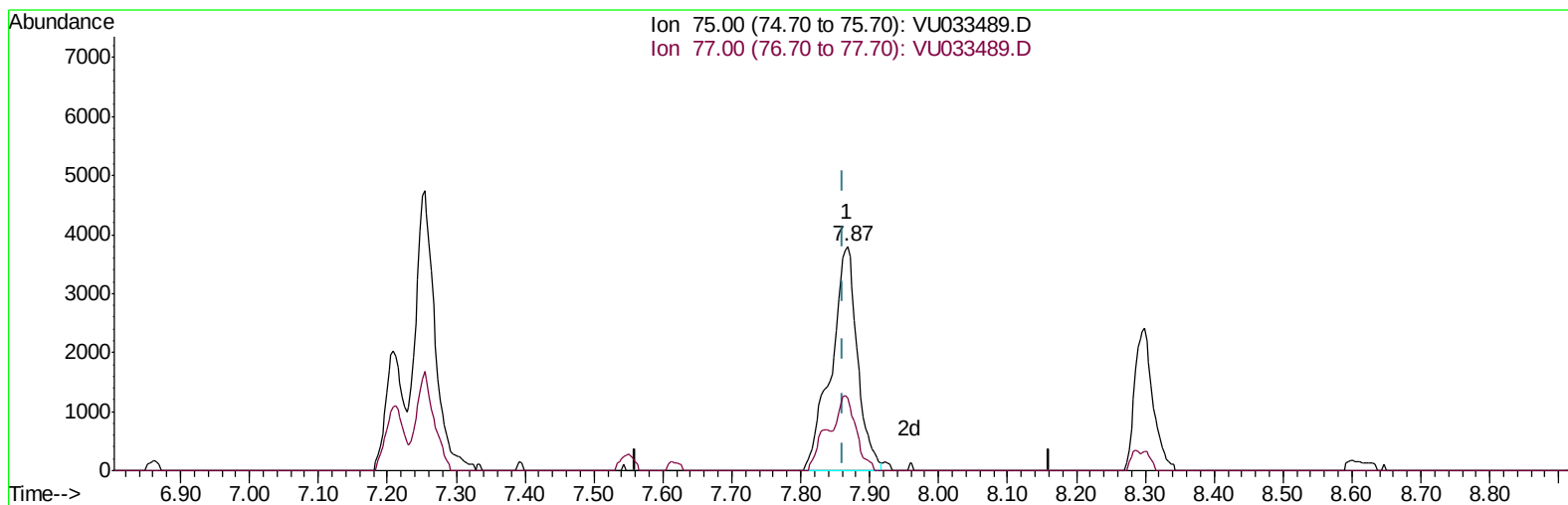
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Instrument :
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ClientSampleId :
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TIC: VU033489.D

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

7.868min (+0.007) 3.16ug/L

response 10032

Ion	Exp%	Act%
75.00	100	100
77.00	31.90	32.11
0.00	0.00	0.00
0.00	0.00	0.00

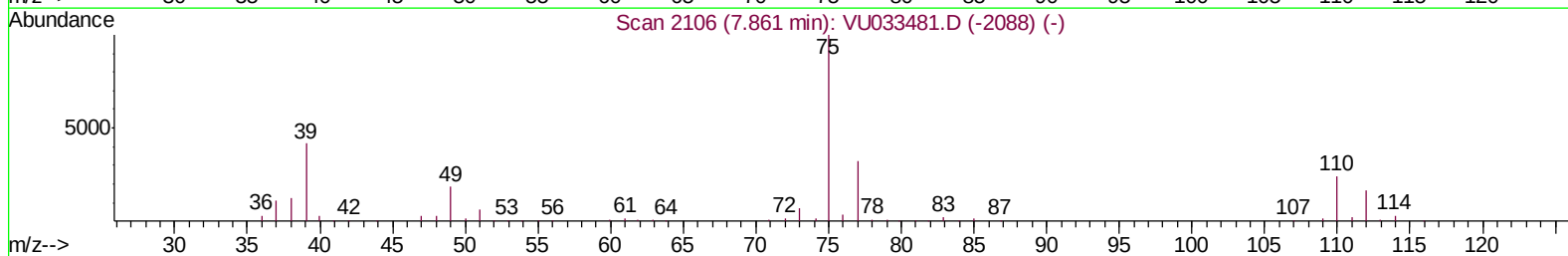
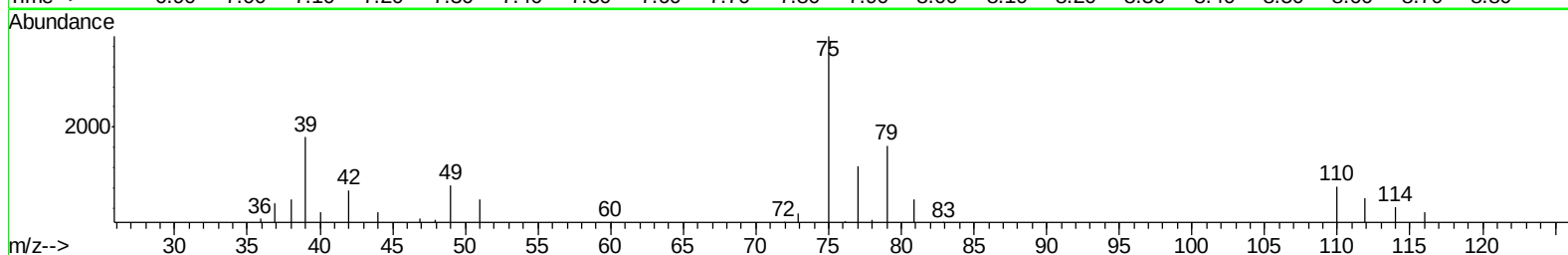
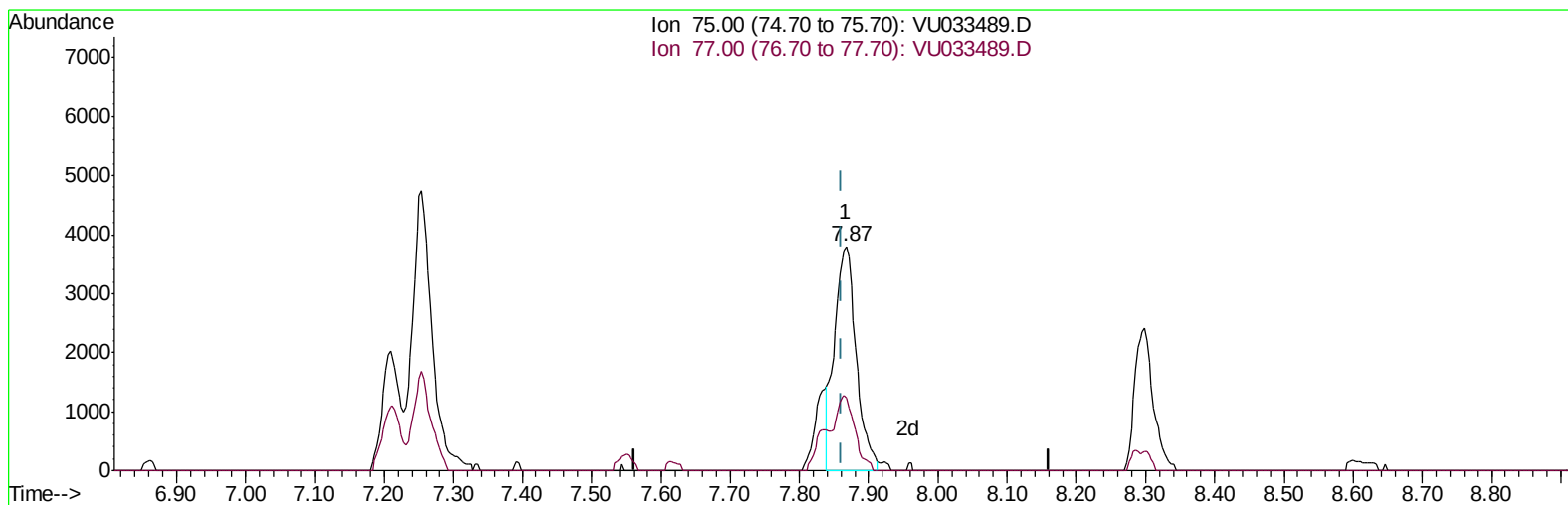
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Instrument :
MSVOA_U
ClientSampled :
MDL05

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TIC: VU033489.D

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

7.868min (+0.007) 2.61ug/L m

response 8285

Ion	Exp%	Act%
75.00	100	100
77.00	31.90	32.11
0.00	0.00	0.00
0.00	0.00	0.00

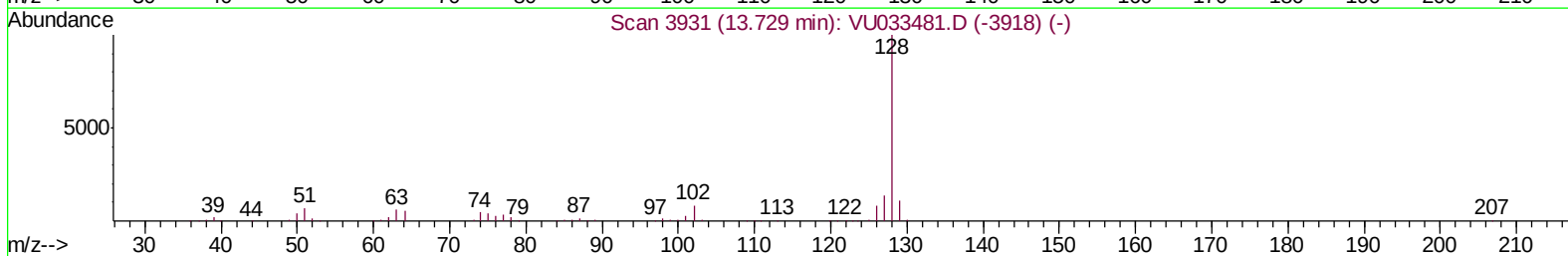
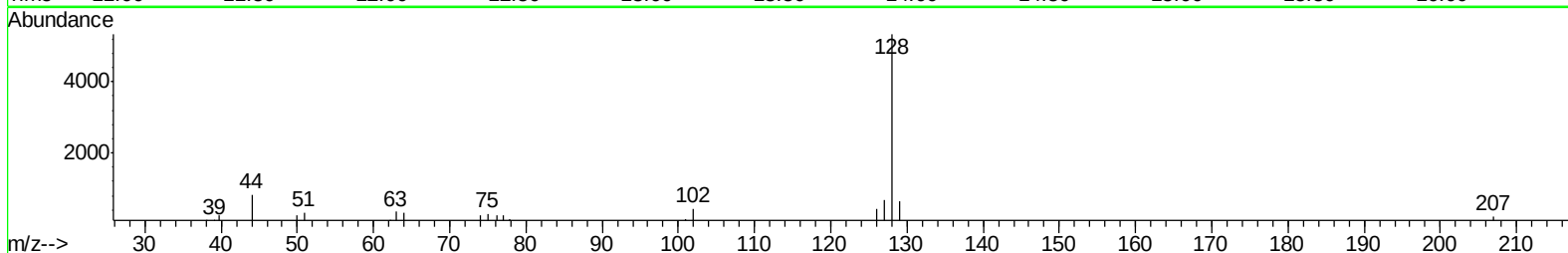
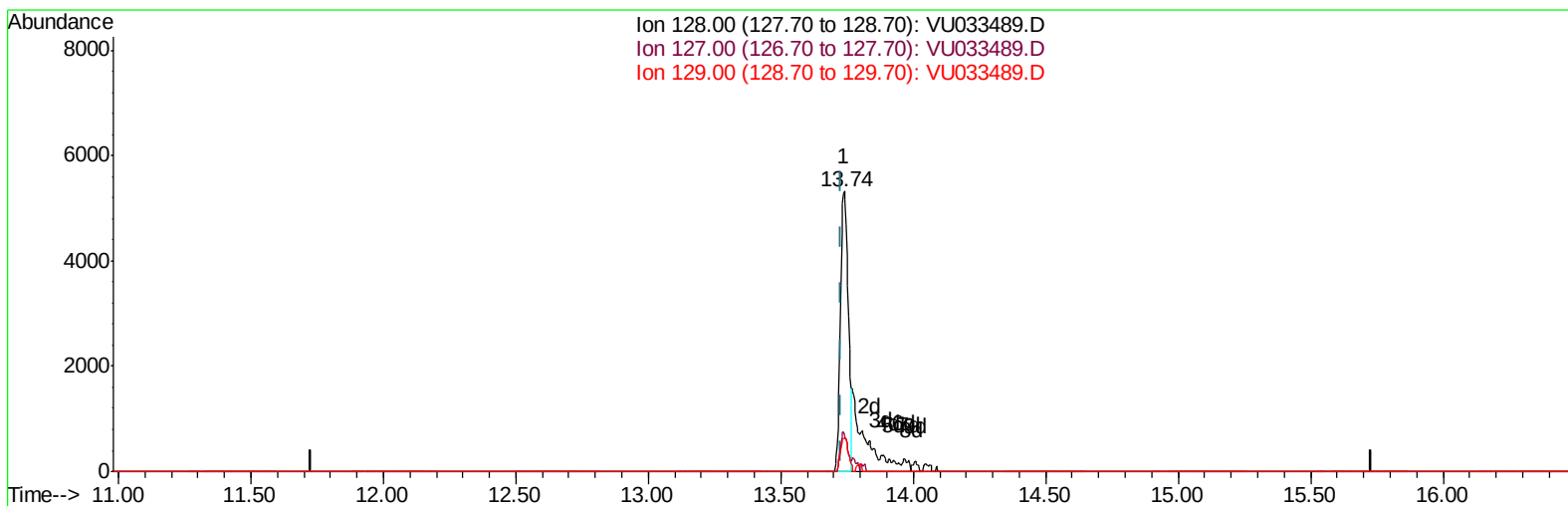
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TIC: VU033489.D

(71) Naphthalene

13.739min (+0.010) 1.30ug/L

response 10679

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	13.02
129.00	10.90	12.18
0.00	0.00	0.00

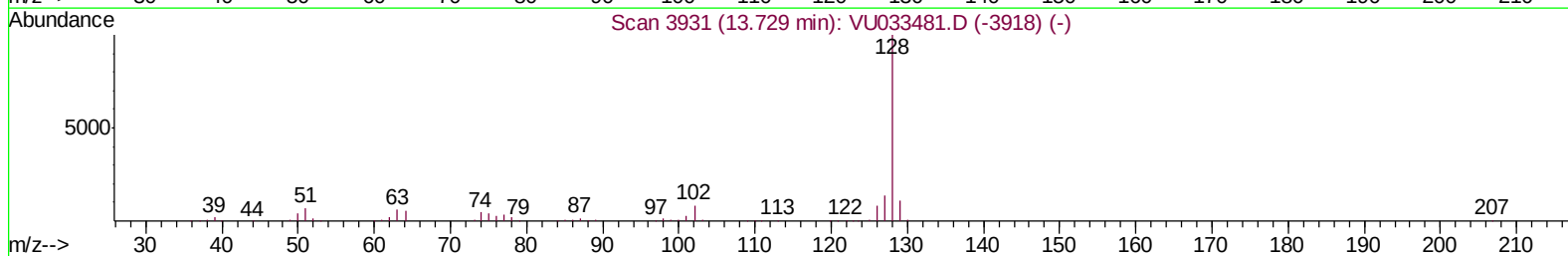
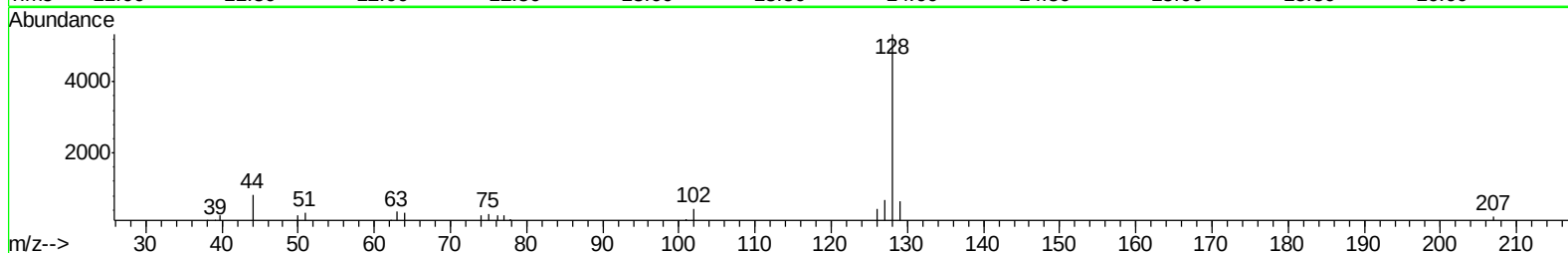
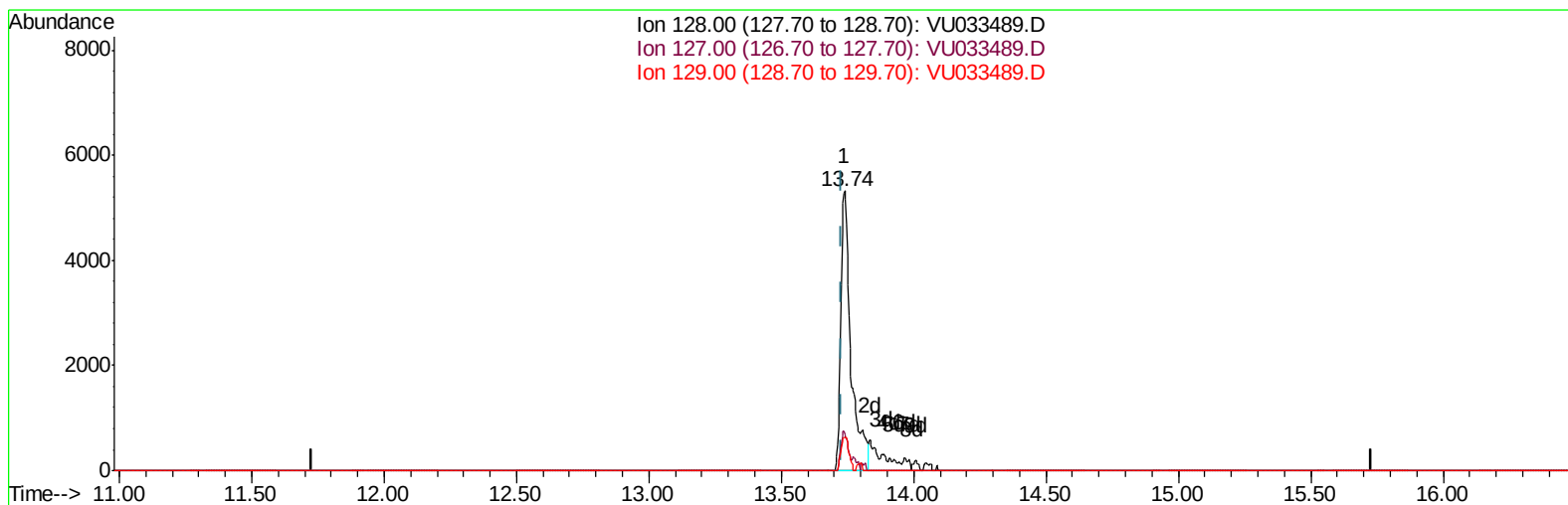
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Instrument :
MSVOA_U
ClientSampleId :
MDL05

Manual Integrations
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TIC: VU033489.D

(71) Naphthalene

13.739min (+0.010) 1.71ug/L m

response 14024

Ion	Exp%	Act%
128.00	100	100
127.00	13.50	9.91#
129.00	10.90	9.28
0.00	0.00	0.00

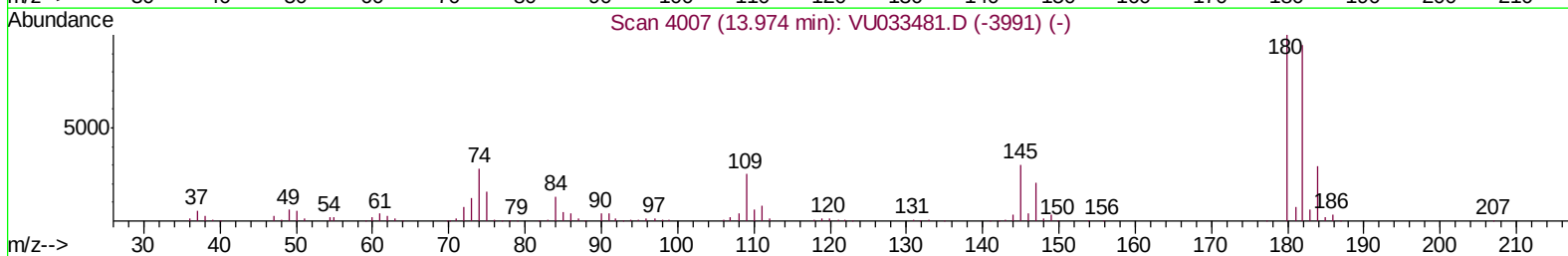
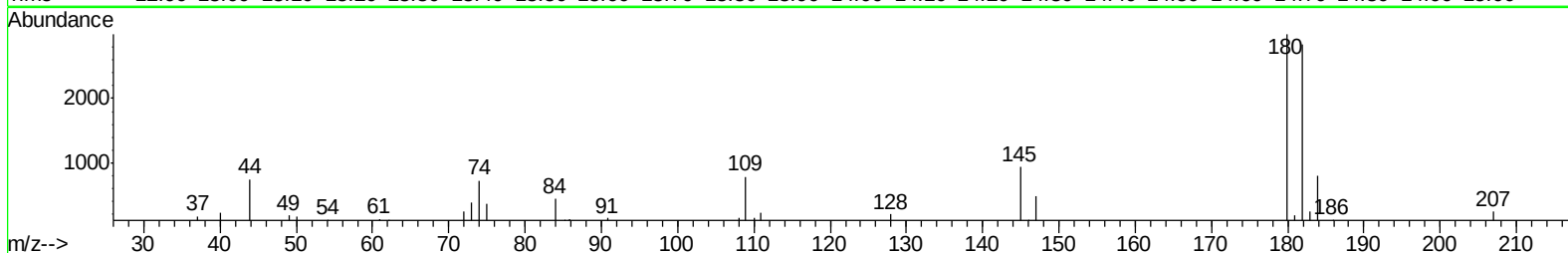
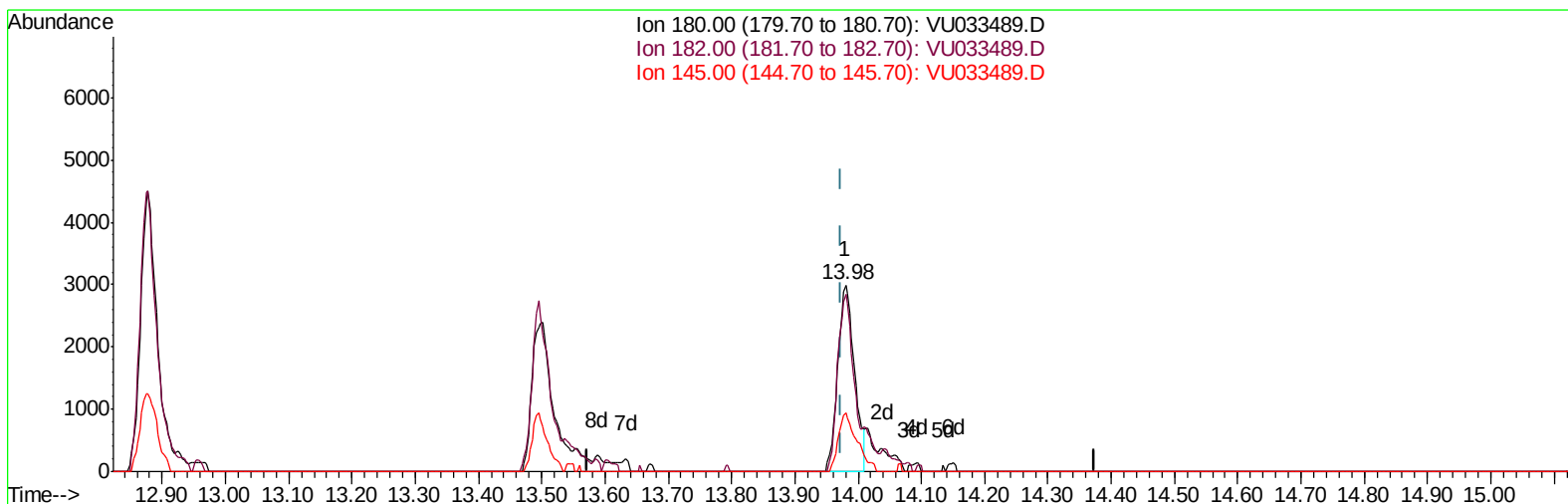
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Instrument :
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ClientSampleId :
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TIC: VU033489.D

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

13.980min (+0.007) 1.87ug/L

response 5573

Ion	Exp%	Act%
180.00	100	100
182.00	95.50	90.36
145.00	31.10	33.86
0.00	0.00	0.00

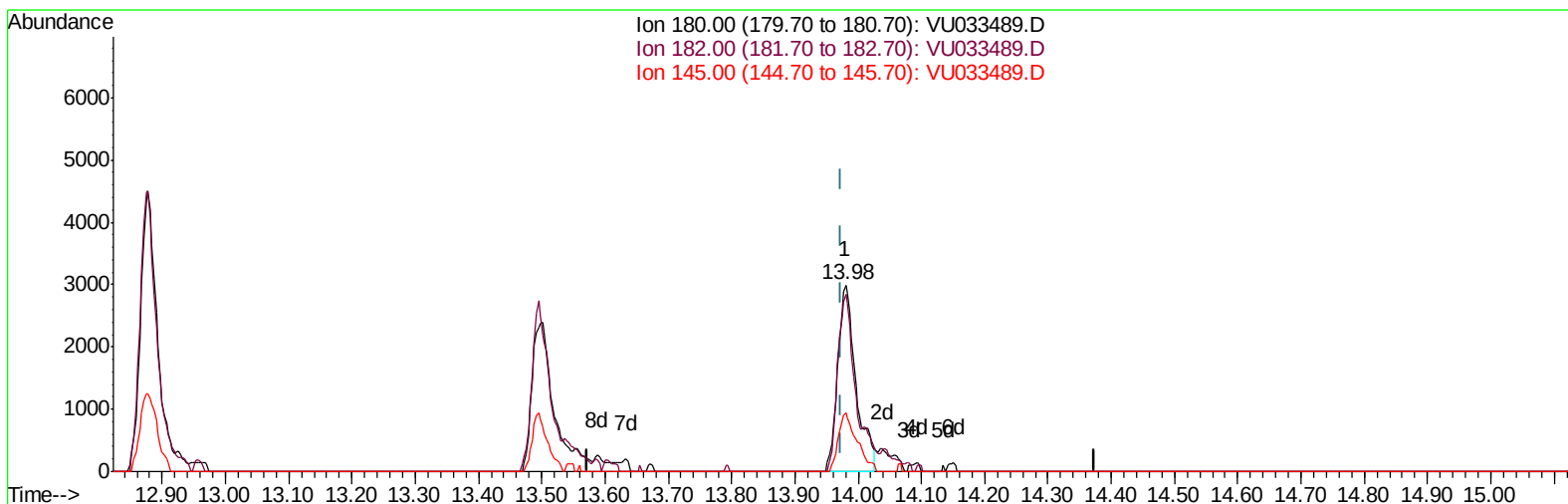
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Jul 31 08:50:03 2019
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Manual Integrations
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Quant Time: Jul 31 09:08:02 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	280611	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	291755	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	137263	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	113850	44.68	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.36%		
7) Chloroethane-d5	1.67	69	101227	48.08	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.16%		
11) 1,1-Dichloroethene-d2	2.26	63	155564	33.39	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.78%		
21) 2-Butanone-d5	4.15	46	138175	94.64	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.64%		
24) Chloroform-d	4.62	84	177431	46.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.06%		
26) 1,2-Dichloroethane-d4	5.29	65	121938	49.56	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.12%		
32) Benzene-d6	5.32	84	374134	47.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.54%		
36) 1,2-Dichloropropane-d6	6.31	67	119413	49.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.30%		
41) Toluene-d8	7.55	98	342401	46.50	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.00%		
43) trans-1,3-Dichloropropene-	7.83	79	53389	44.97	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.94%		
47) 2-Hexanone-d5	8.29	63	101504	100.58	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.58%		
56) 1,1,2,2-Tetrachloroethane-	10.41	84	180162	48.32	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.64%		
66) 1,2-Dichlorobenzene-d4	11.85	152	135433	51.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.70%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7892	2.819 ug/L	97
3) Chloromethane	1.32	50	8175	2.925 ug/L	94
5) Vinyl chloride	1.40	62	8794	2.751 ug/L #	67
6) Bromomethane	1.62	94	5287	2.366 ug/L	93
8) Chloroethane	1.69	64	5863	2.990 ug/L	95
9) Trichlorofluoromethane	1.87	101	12028	2.869 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7353	3.490 ug/L #	83
12) 1,1-Dichloroethene	2.27	96	6994	3.407 ug/L #	1
13) Acetone	2.31	43	7687	5.312 ug/L	99
14) Carbon disulfide	2.46	76	16449	2.689 ug/L	97
15) Methyl Acetate	2.60	43	6473	2.789 ug/L	100
16) Methylene chloride	2.68	84	6499	2.881 ug/L	91
17) trans-1,2-Dichloroethene	2.96	96	5542	2.718 ug/L	94
18) Methyl tert-butyl Ether	2.98	73	15842	2.633 ug/L	98
19) 1,1-Dichloroethane	3.42	63	11079	2.886 ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	6594	2.930 ug/L	93
22) 2-Butanone	4.25	43	7120	4.141 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	3217m	2.691	ug/L	
25) Chloroform	4.65	83	22946	5.637	ug/L	98
27) 1,2-Dichloroethane	5.39	62	9852	3.116	ug/L	99
29) Cyclohexane	4.97	56	7338	2.289	ug/L	94
30) 1,1,1-Trichloroethane	4.89	97	9512	2.738	ug/L	98
31) Carbon tetrachloride	5.11	117	8470	2.739	ug/L	99
33) Benzene	5.37	78	22933	2.630	ug/L	100
34) Trichloroethene	6.17	95	6482	2.853	ug/L	88
35) Methylcyclohexane	6.39	83	9118	2.639	ug/L	94
37) 1,2-Dichloropropane	6.41	63	6530	2.784	ug/L #	90
38) Bromodichloromethane	6.74	83	8223	2.663	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	9175	2.623	ug/L	92
40) 4-Methyl-2-pentanone	7.44	43	15212	4.922	ug/L	96
42) Toluene	7.62	91	25441	2.711	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	8285m	2.610	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	6032	2.697	ug/L	92
46) Tetrachloroethene	8.21	164	4724	2.555	ug/L	93
48) 2-Hexanone	8.35	43	14758	5.861	ug/L #	88
49) Dibromochloromethane	8.46	129	6581	2.628	ug/L	96
50) 1,2-Dibromoethane	8.57	107	6548	2.698	ug/L	96
51) Chlorobenzene	9.10	112	17418	2.793	ug/L	96
52) Ethylbenzene	9.23	91	25192	2.476	ug/L	96
53) m,p-Xylene	9.36	106	9333	2.440	ug/L	98
54) o-xylene	9.76	106	8781	2.341	ug/L	93
55) Styrene	9.78	104	13838	2.174	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	12067	3.034	ug/L	98
59) Bromoform	9.94	173	4659	2.713	ug/L	97
60) 1,2,3-Trichloropropane	10.48	75	8903	3.184	ug/L	96
61) Isopropylbenzene	10.15	105	22291	2.535	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	16903	2.373	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	16109	2.280	ug/L	94
64) 1,3-Dichlorobenzene	11.40	146	12374	2.761	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	13597	2.937	ug/L	98
67) 1,2-Dichlorobenzene	11.86	146	13422	2.989	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	12.64	75	1938	2.493	ug/L	94
69) 1,3,5-Trichlorobenzene	12.88	180	8175	2.403	ug/L	94
70) 1,2,4-trichlorobenzene	13.50	180	5358	1.887	ug/L	98
71) Naphthalene	13.74	128	14024m	1.708	ug/L	
72) 1,2,3-Trichlorobenzene	13.98	180	6101m	2.051	ug/L	

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

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