

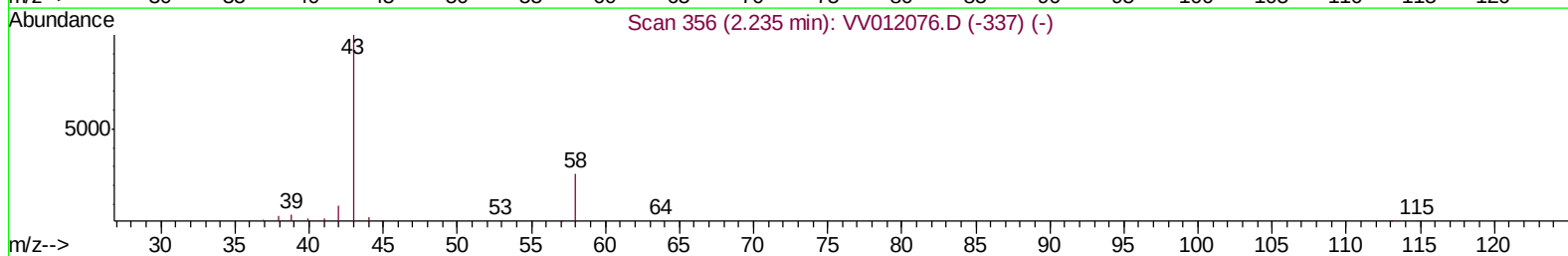
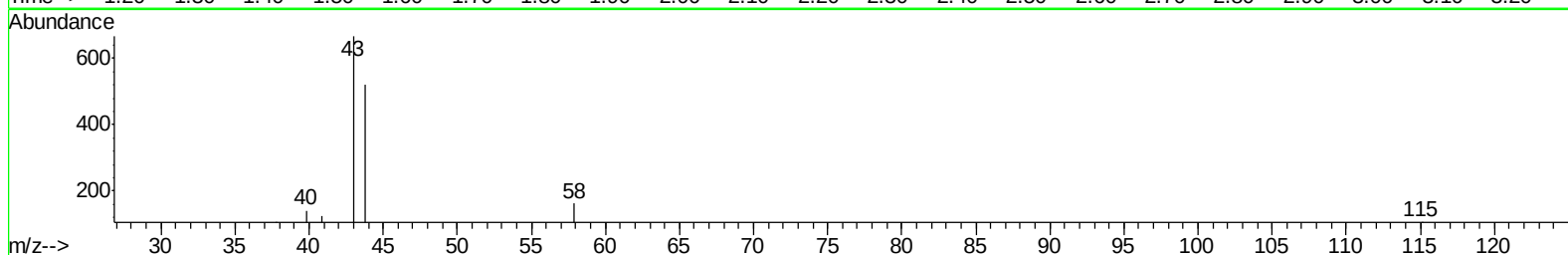
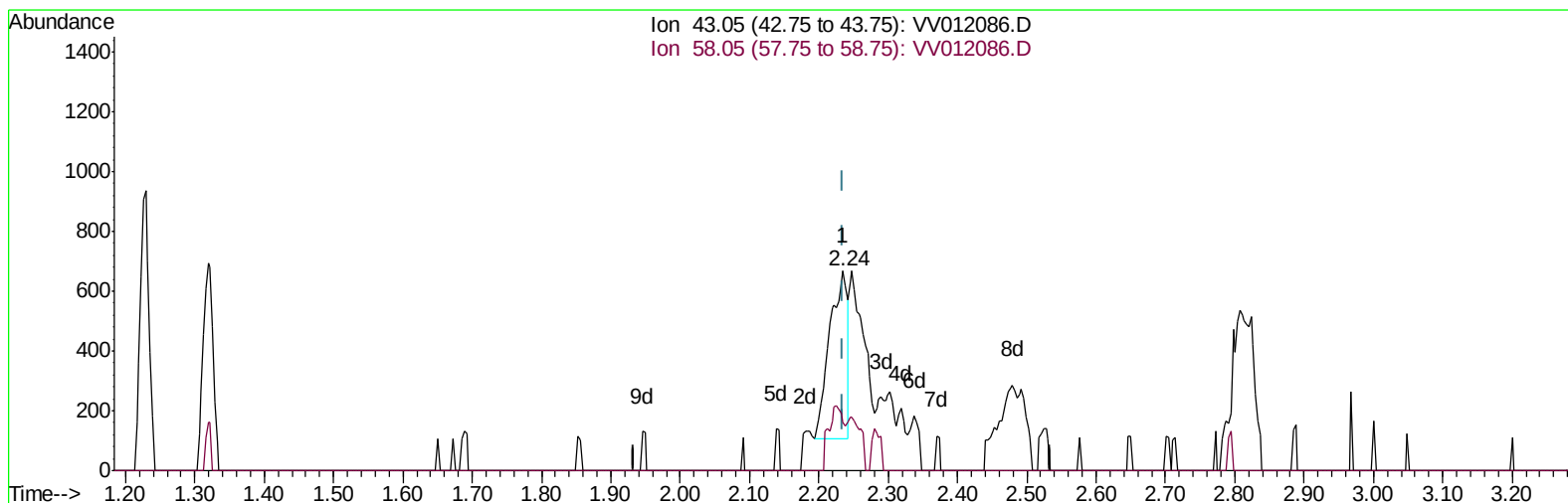
Data File : VV012086.D
Acq On : 30 Jul 2019 22:42
Operator : SY/MD
Sample : MDL03
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:21 AM

Quant Time: Jul 31 05:38:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration



TIC: VV012086.D

(13) Acetone (T)

2.235min (+0.000) 1.31ug/L

response 984

Ion	Exp%	Act%
43.05	100	100
58.05	25.50	24.19
0.00	0.00	0.00
0.00	0.00	0.00

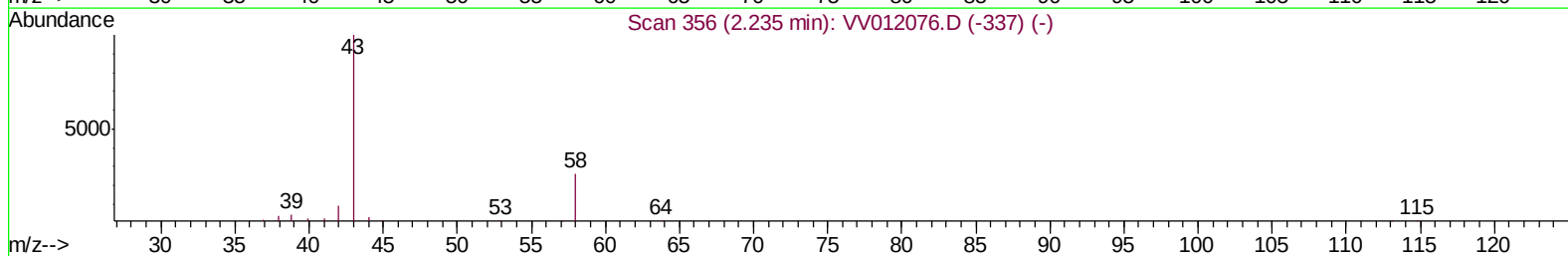
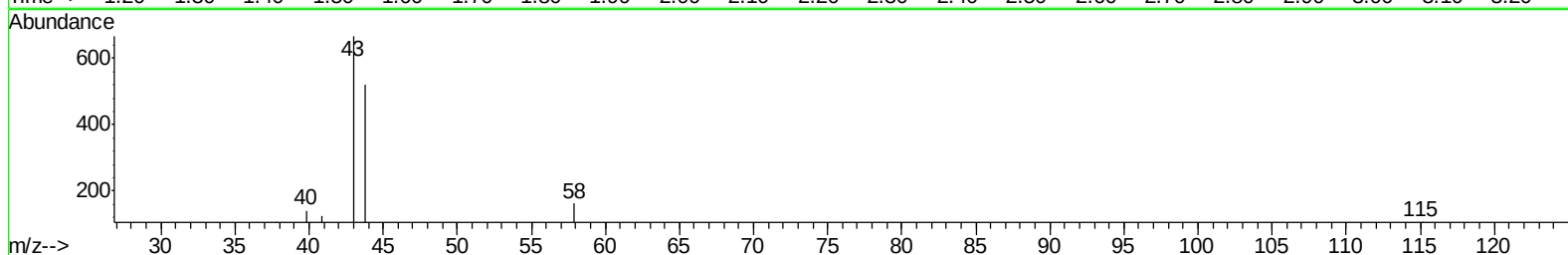
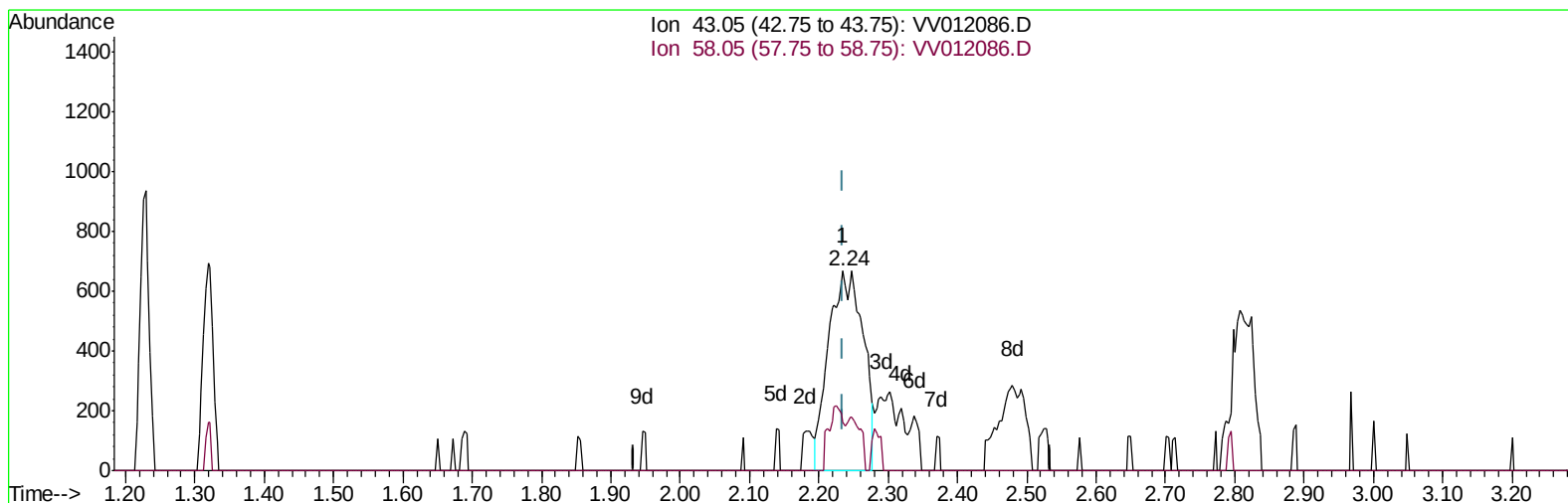
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TIC: VV012086.D

(13) Acetone (T)

2.235min (+0.000) 3.08ug/L m

response 2313

Ion	Exp%	Act%
43.05	100	100
58.05	25.50	10.29
0.00	0.00	0.00
0.00	0.00	0.00

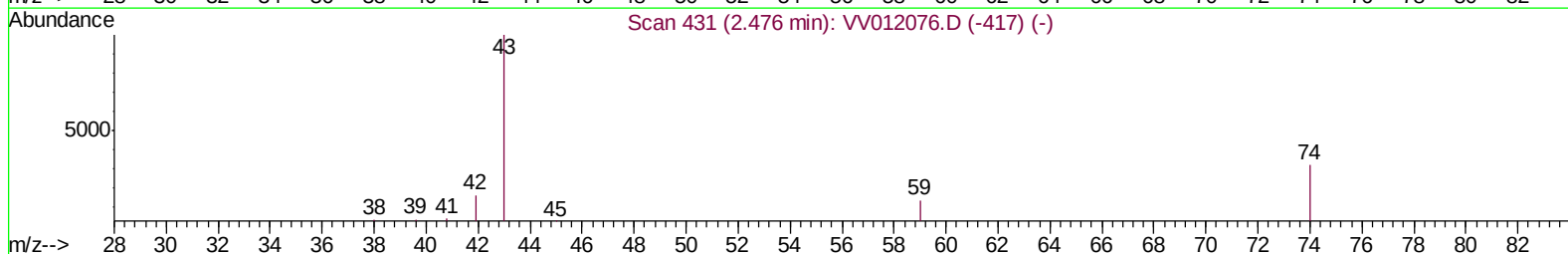
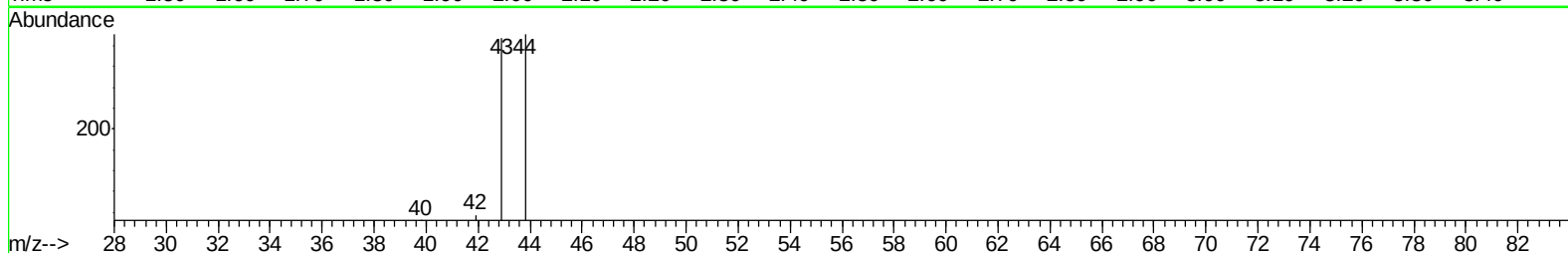
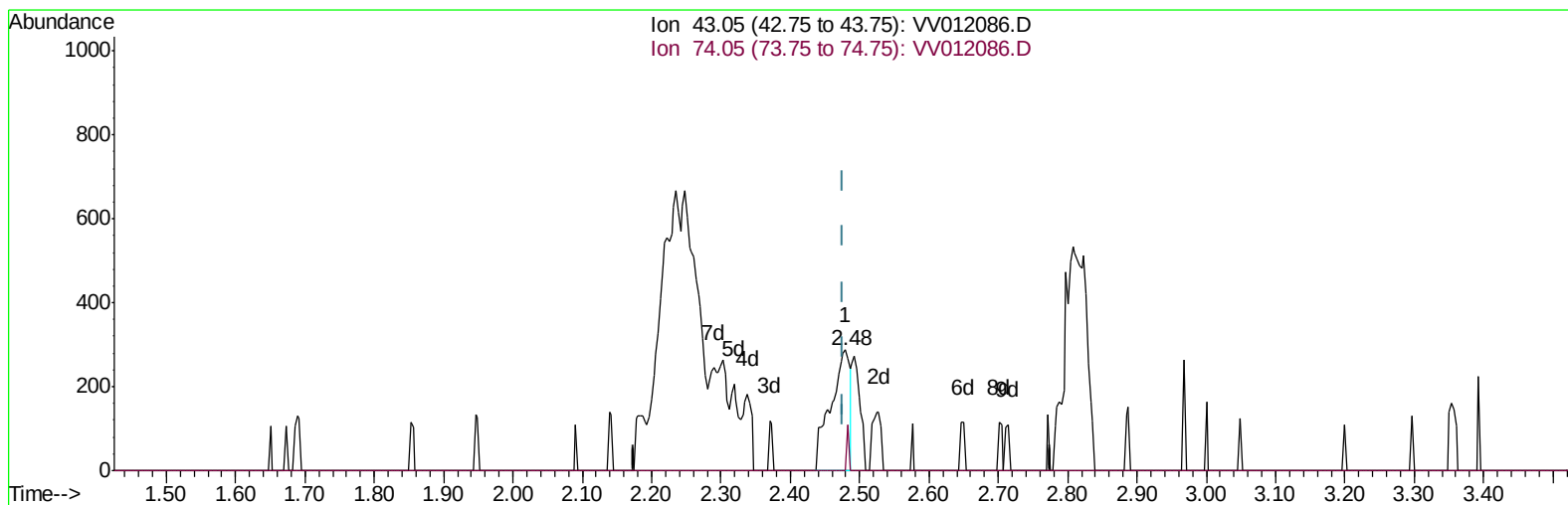
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TIC: VV012086.D

(15) Methyl Acetate (T)

2.479min (+0.003) 0.32ug/L

response 544

Ion	Exp%	Act%
43.05	100	100
74.05	29.20	3.86#
0.00	0.00	0.00
0.00	0.00	0.00

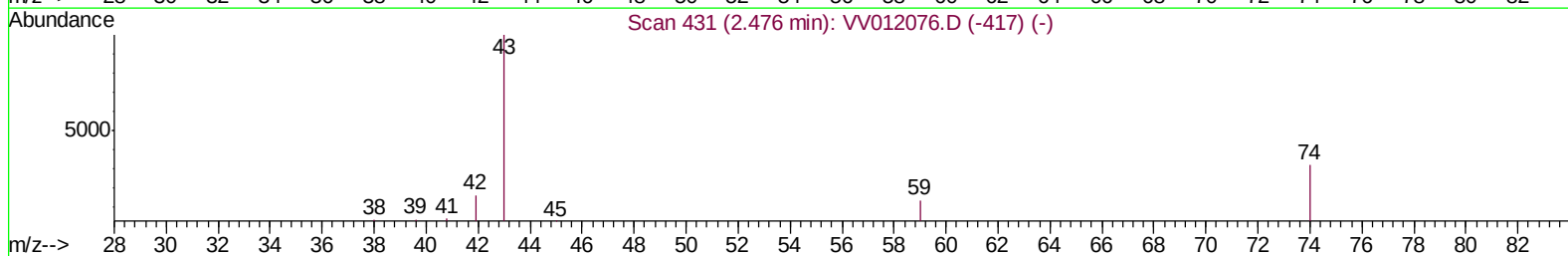
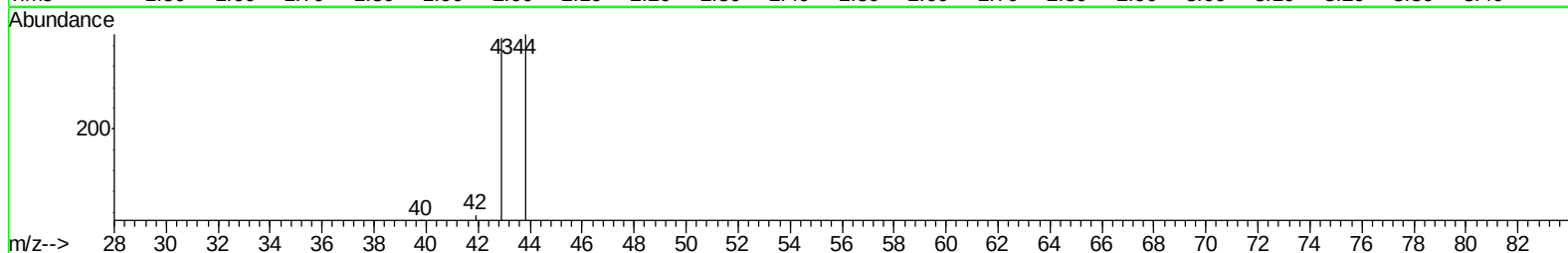
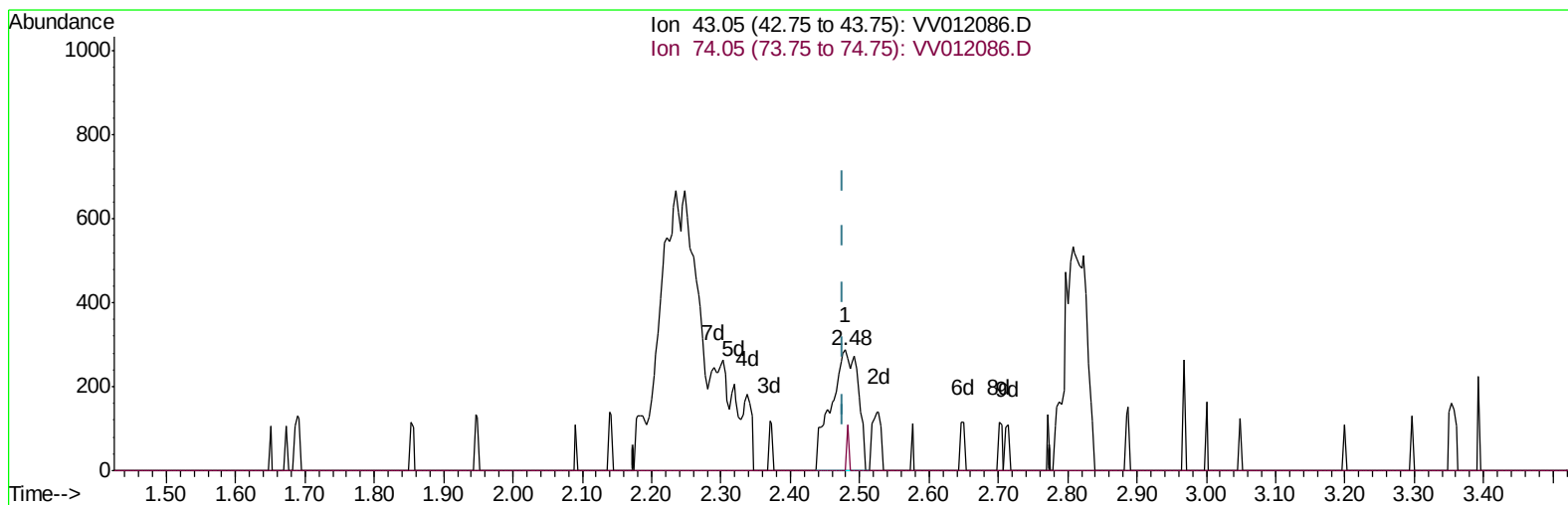
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TIC: VV012086.D

(15) Methyl Acetate (T)

2.479min (+0.003) 0.45ug/L m

response 775

Ion	Exp%	Act%
43.05	100	100
74.05	29.20	2.71#
0.00	0.00	0.00
0.00	0.00	0.00

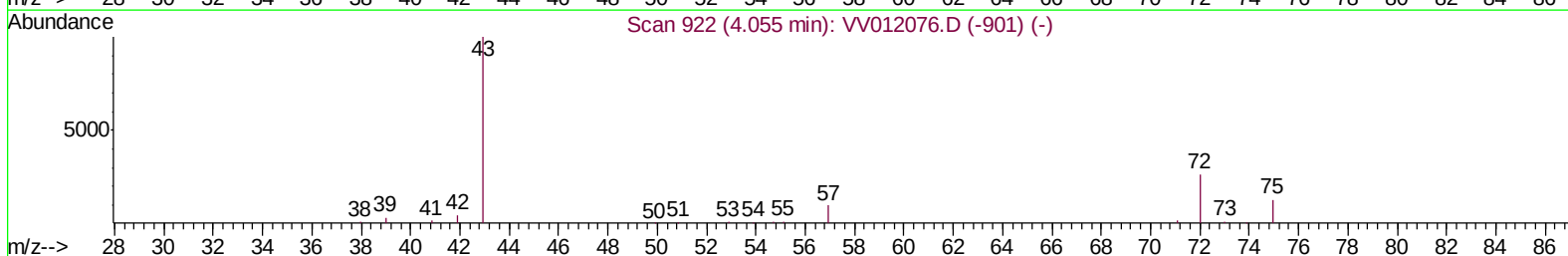
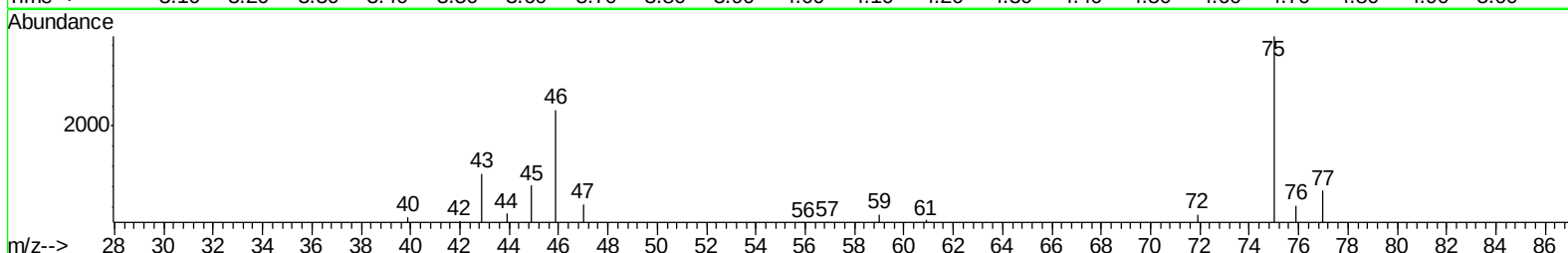
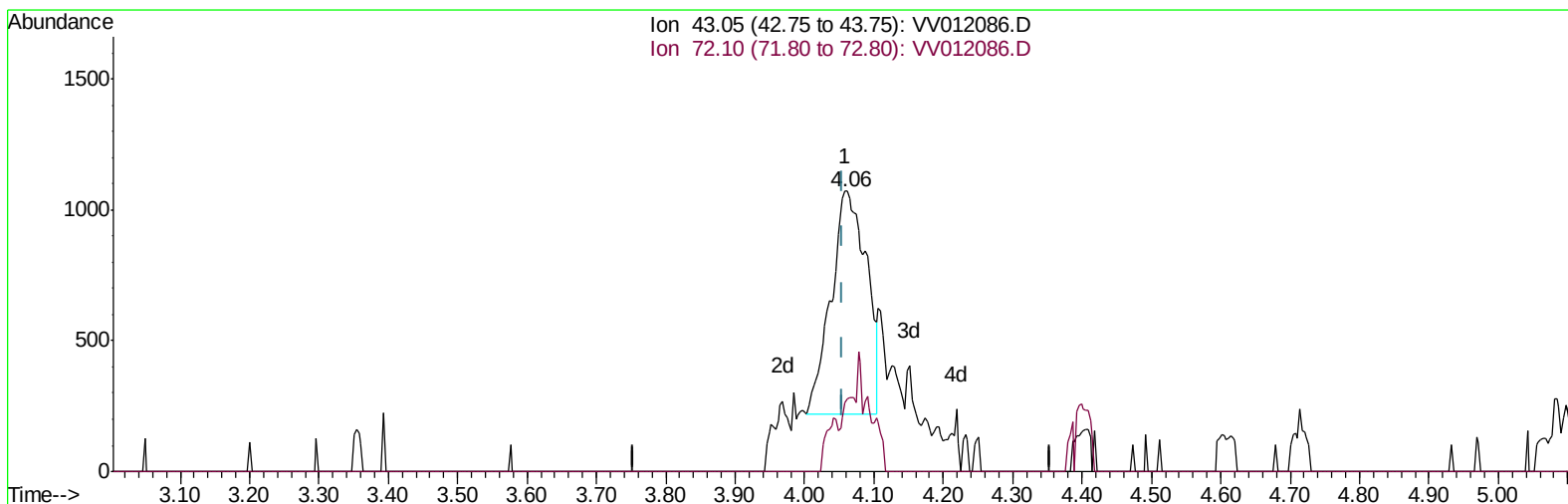
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TIC: VV012086.D

(21) 2-Butanone (T)
4.058min (+0.003) 2.02ug/L

response 3002

Ion	Exp%	Act%
43.05	100	100
72.10	28.00	7.16#
0.00	0.00	0.00
0.00	0.00	0.00

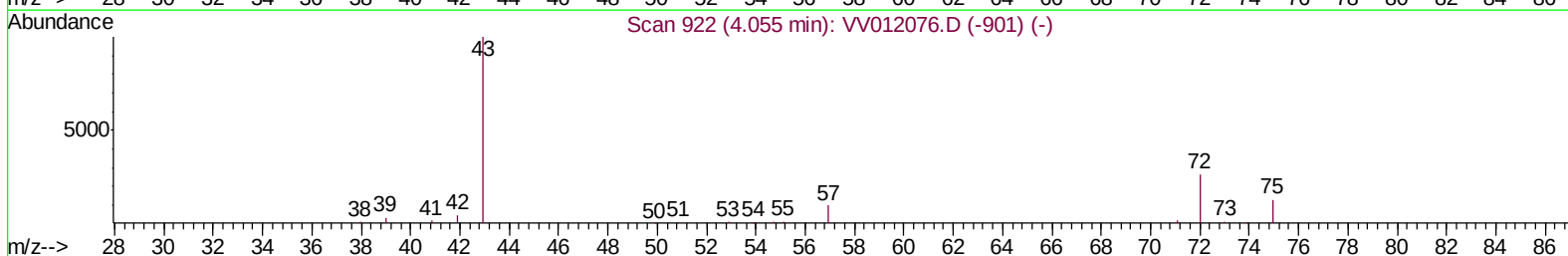
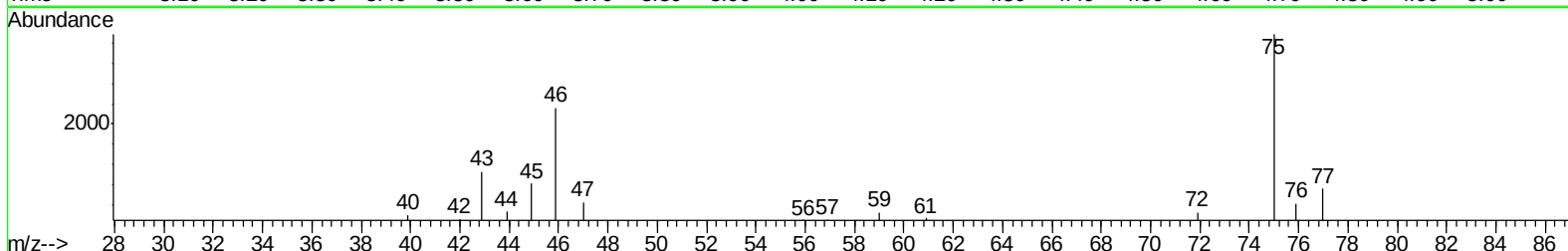
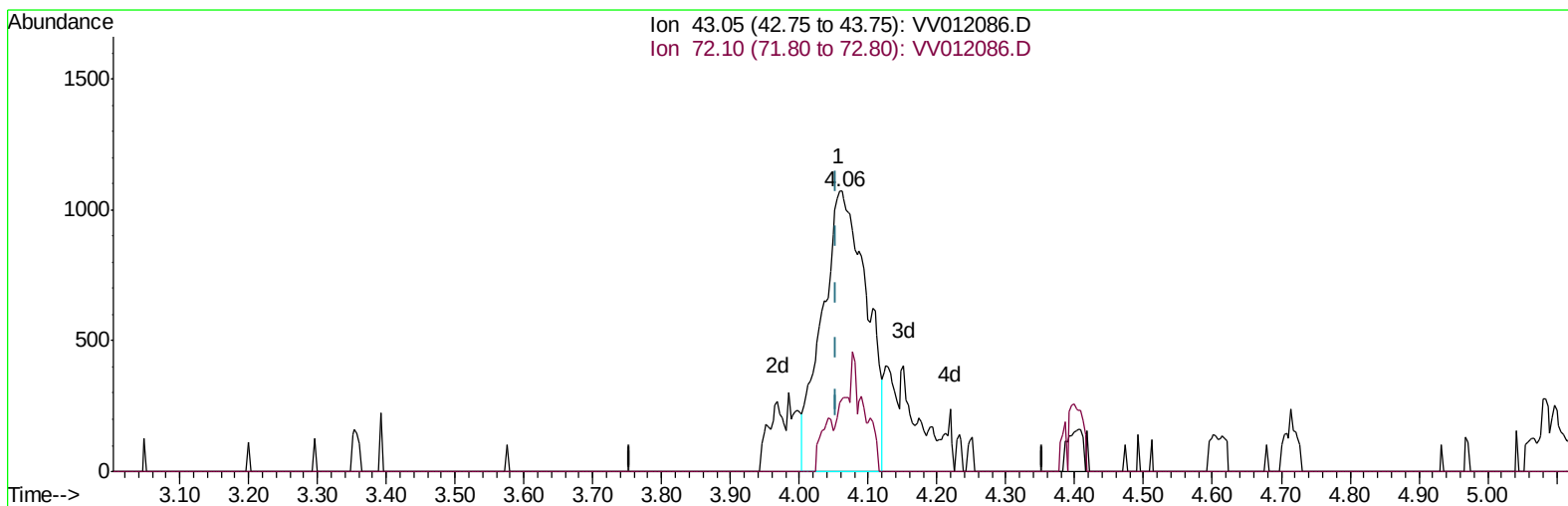
Data File : VV012086.D
Acq On : 30 Jul 2019 22:42
Operator : SY/MD
Sample : MDL03
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:21 AM

Quant Time: Jul 31 05:38:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
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TIC: VV012086.D

(21) 2-Butanone (T)
4.058min (+0.003) 3.23ug/L m
response 4804

Ion	Exp%	Act%
43.05	100	100
72.10	28.00	4.48#
0.00	0.00	0.00
0.00	0.00	0.00

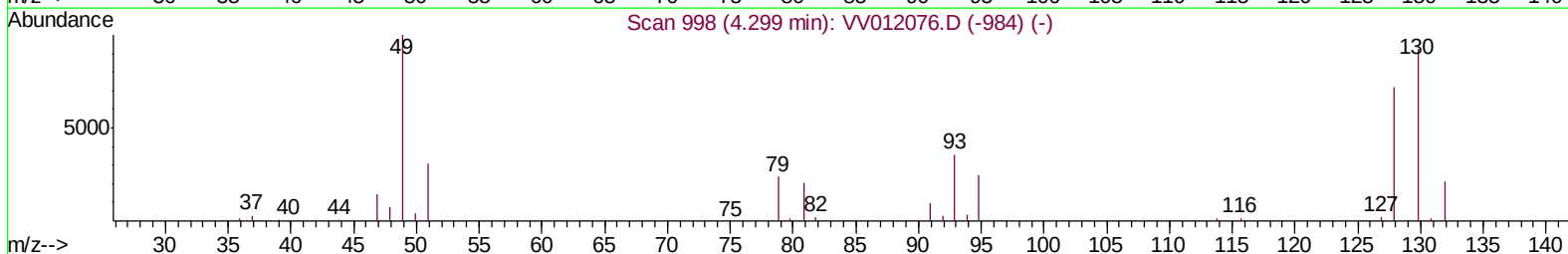
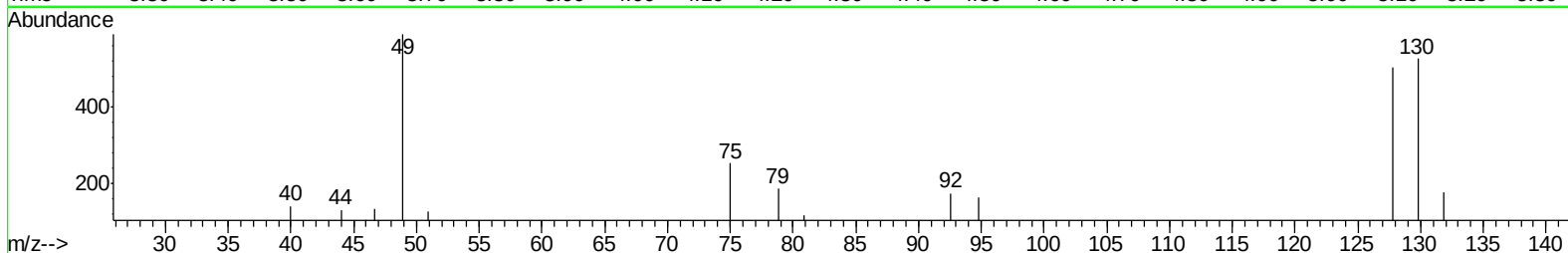
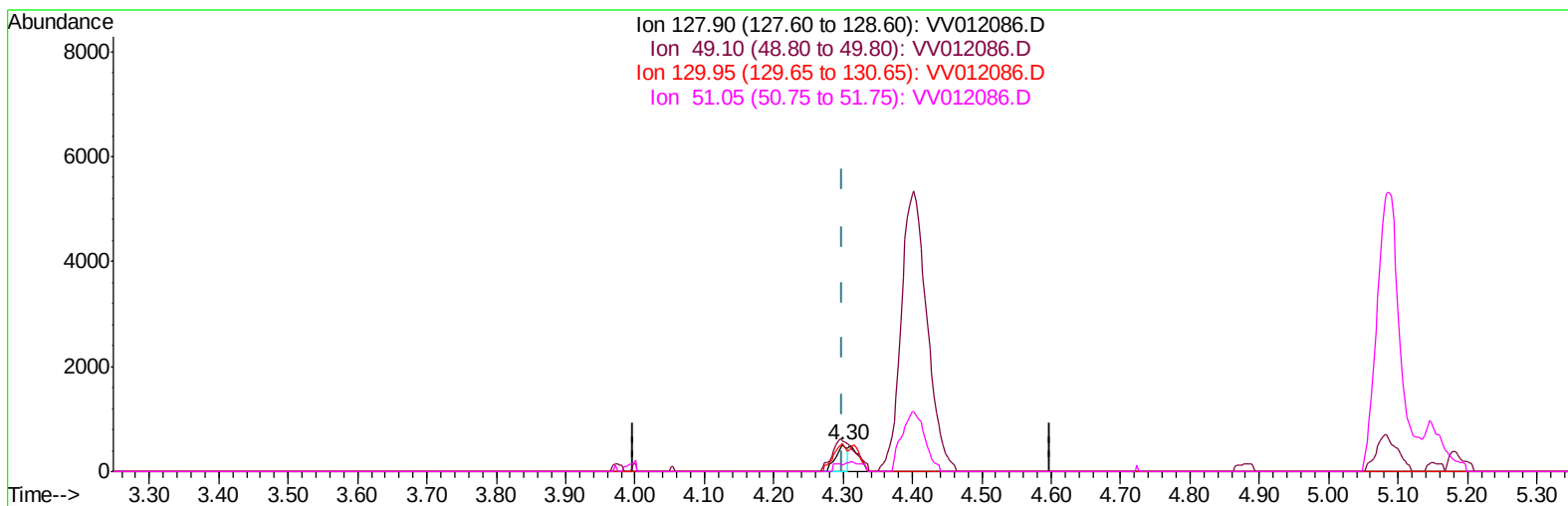
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Operator : SY/MD
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
APPROVED

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Quant Title : TRACE VOA SOM01.0
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TIC: VV012086.D

(23) Bromochloromethane (T)

4.299min (+0.000) 0.16ug/L

response 583

Ion	Exp%	Act%
127.90	100	100
49.10	139.80	117.33
129.95	129.90	104.78
51.05	43.20	25.10#

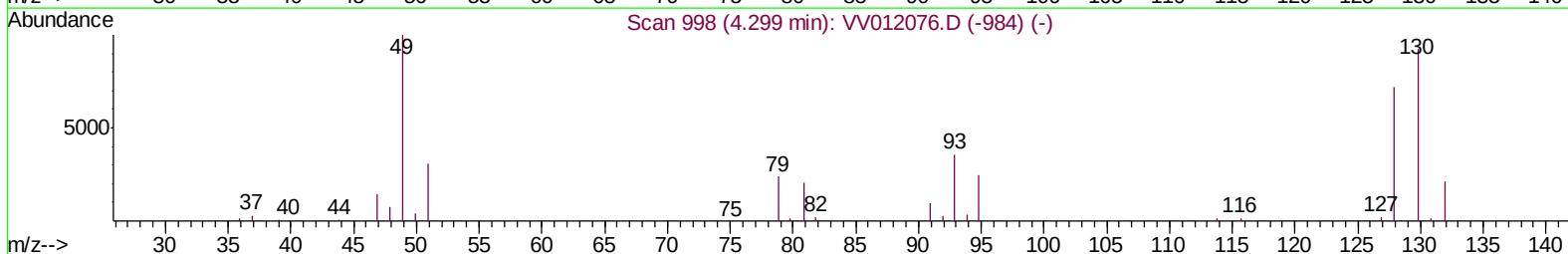
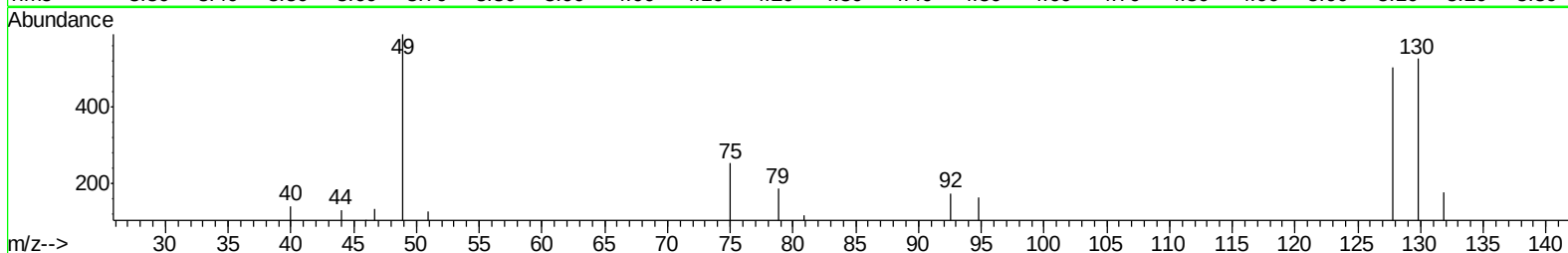
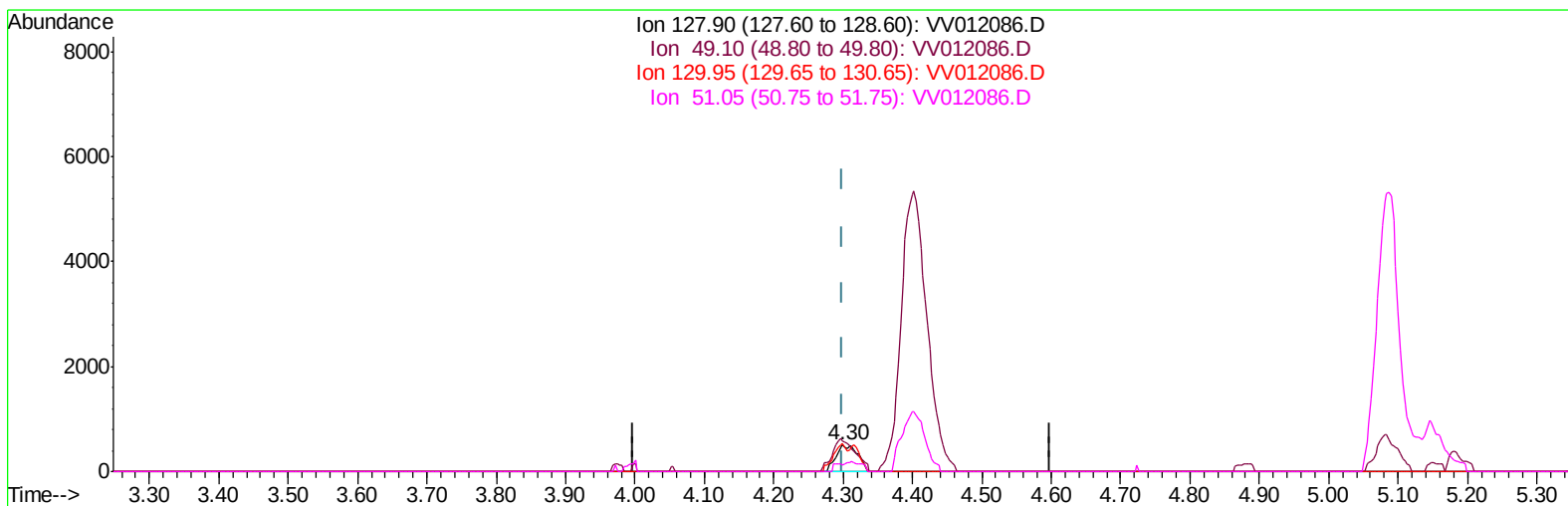
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Manual Integrations
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TIC: VV012086.D

(23) Bromochloromethane (T)

4.299min (+0.000) 0.31ug/L m

response 1093

Ion	Exp%	Act%
127.90	100	100
49.10	139.80	117.33
129.95	129.90	104.78
51.05	43.20	25.10#

Data File : VV012086.D
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Manual Integrations
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Quant Time: Jul 31 06:35:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	113111	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	110269	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	54670	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25360	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.58	69	20271	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	42336	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	3.97	46	72733	49.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.66%
24) Chloroform-d	4.40	84	71709	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.08	65	40513	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.10	84	138336	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.12	67	38408	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	128459	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.67	79	15307	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.14	63	57832	49.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27633	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	52326	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4058	0.324 ug/L	100
3) Chloromethane	1.25	50	1888	0.315 ug/L	99
5) Vinyl chloride	1.32	62	2153	0.329 ug/L #	67
6) Bromomethane	1.54	94	1208	0.298 ug/L	85
8) Chloroethane	1.60	64	1272	0.349 ug/L	95
9) Trichlorofluoromethane	1.77	101	4047	0.319 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2051	0.379 ug/L #	87
12) 1,1-Dichloroethene	2.14	96	1851	0.373 ug/L #	1
13) Acetone	2.24	43	2313m	3.083 ug/L	
14) Carbon disulfide	2.32	76	4318	0.318 ug/L	97
15) Methyl Acetate	2.48	43	775m	0.455 ug/L	
16) Methylene chloride	2.53	84	2036	0.395 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	4726	0.286 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	2510	0.340 ug/L	77
19) 1,1-Dichloroethane	3.23	63	3925	0.298 ug/L	98
21) 2-Butanone	4.06	43	4804m	3.229 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	2313	0.291 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	1093m	0.307	ug/L	
25) Chloroform	4.43	83	10300	0.603	ug/L	94
27) 1,2-Dichloroethane	5.19	62	3103	0.330	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	4208	0.294	ug/L	94
30) Cyclohexane	4.72	56	3142	0.288	ug/L	99
31) Carbon tetrachloride	4.88	117	3542	0.276	ug/L	97
33) Benzene	5.15	78	9280	0.317	ug/L	100
34) Trichloroethene	5.96	95	2560	0.304	ug/L	92
35) Methylcyclohexane	6.17	83	3573	0.280	ug/L	97
37) 1,2-Dichloropropane	6.22	63	2107	0.312	ug/L #	85
38) Bromodichloromethane	6.56	83	3168	0.319	ug/L #	83
39) cis-1,3-Dichloropropene	7.07	75	2971	0.282	ug/L #	81
40) 4-Methyl-2-pentanone	7.28	43	9688	2.633	ug/L #	84
42) Toluene	7.43	91	9574	0.300	ug/L	94
44) trans-1,3-Dichloropropene	7.69	75	2544	0.300	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	1562	0.310	ug/L	87
47) Tetrachloroethene	8.02	164	2060	0.269	ug/L	95
48) 2-Hexanone	8.19	43	8180	3.196	ug/L	96
49) Dibromochloromethane	8.29	129	1971	0.301	ug/L	86
50) 1,2-Dibromoethane	8.40	107	1420	0.294	ug/L #	92
51) Chlorobenzene	8.93	112	6797	0.314	ug/L	96
52) Ethylbenzene	9.05	91	10388	0.282	ug/L	93
53) m,p-xylene	9.18	106	3901	0.276	ug/L	79
54) o-xylene	9.59	106	3748	0.277	ug/L	90
55) Styrene	9.61	104	6155	0.268	ug/L	97
56) Isopropylbenzene	9.97	105	9561	0.255	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	10.28	83	1699	0.305	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	1475	0.351	ug/L	96
61) Bromoform	9.78	173	1018	0.313	ug/L #	83
62) 1,3-Dichlorobenzene	11.23	146	5534	0.328	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	5997	0.349	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	5437	0.357	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	279	0.341	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	4788	0.347	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	3475	0.312	ug/L	96
69) Naphthalene	13.56	128	4345	0.290	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	3119	0.314	ug/L	97

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

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