

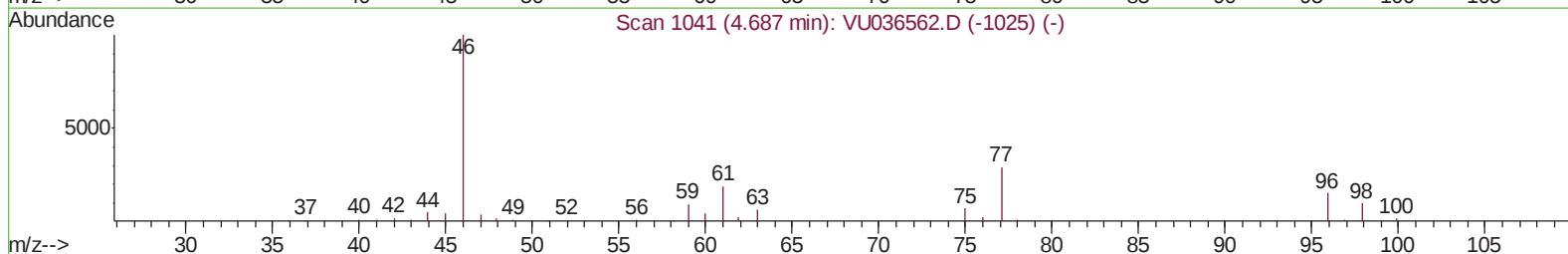
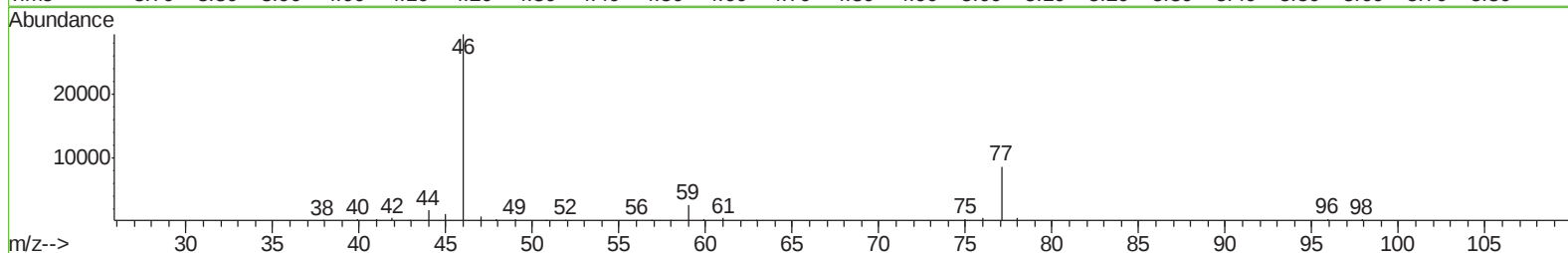
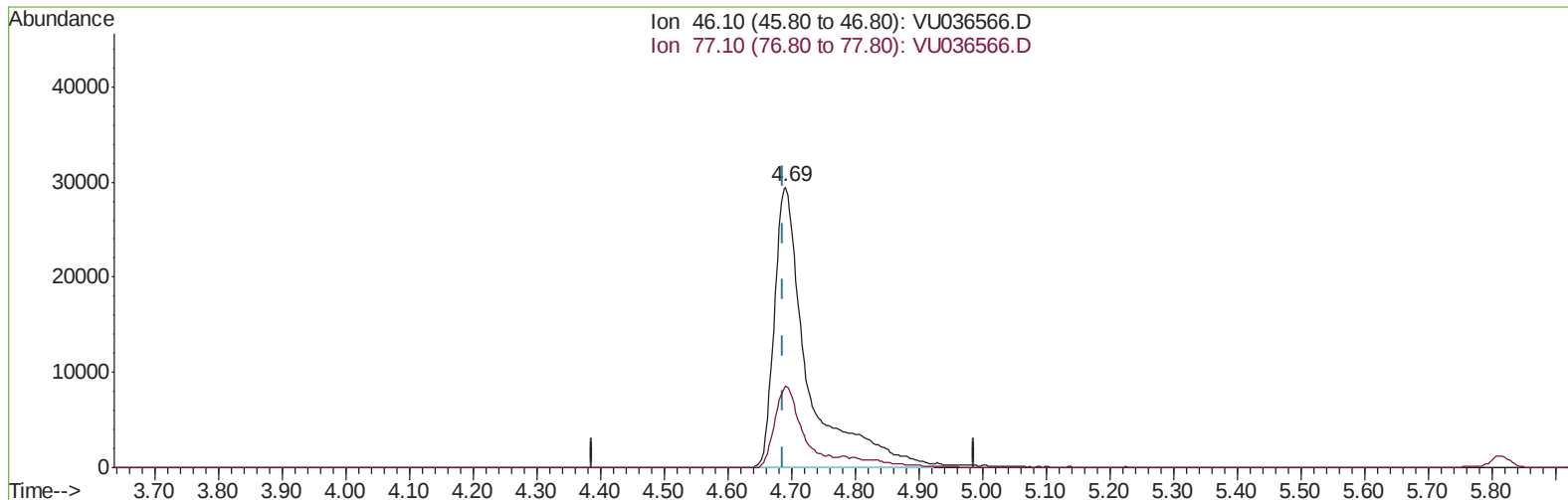
Data File : VU036566.D
Acq On : 27 Jan 2020 14:24
Operator : JC/MD
Sample : MDL05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
2/14/2020 12:23:19 PM

Quant Time: Jan 28 01:21:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 01:18:12 2020
Response via : Initial Calibration



TIC: VU036566.D

(20) 2-Butanone-d5 (S)

4.691min (+0.003) 60.46ug/L

response 108177

Ion	Exp%	Act%
46.10	100	100
77.10	29.50	23.83
0.00	0.00	0.00
0.00	0.00	0.00

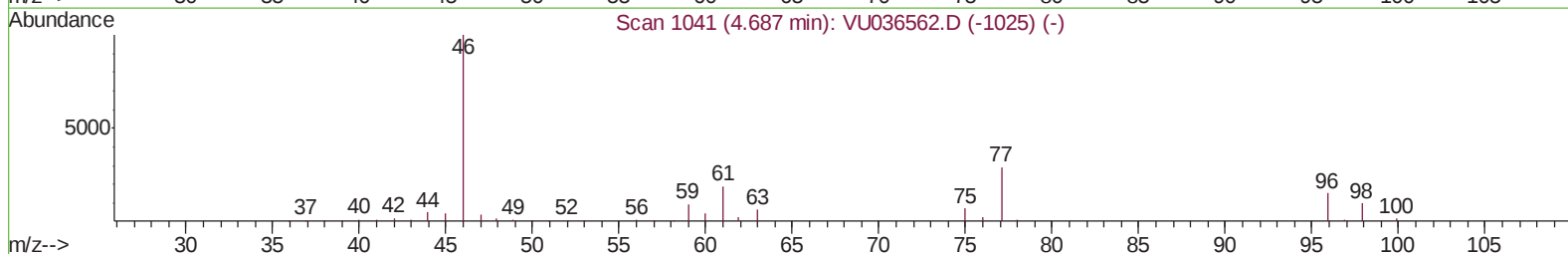
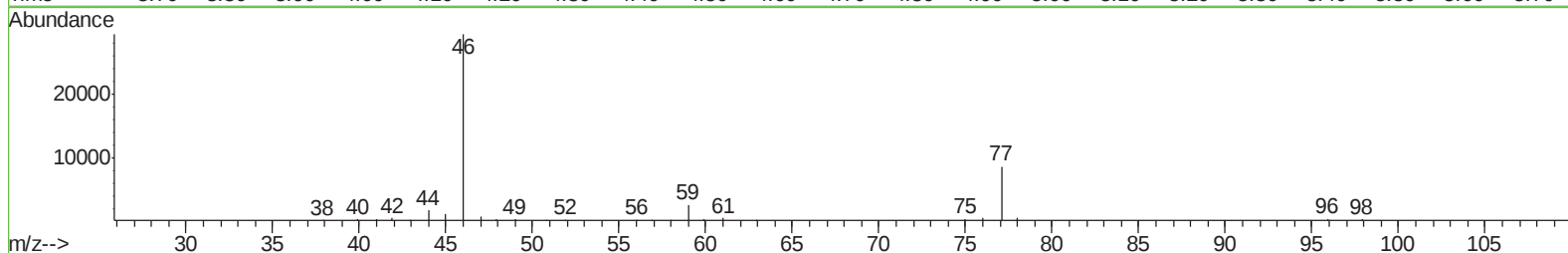
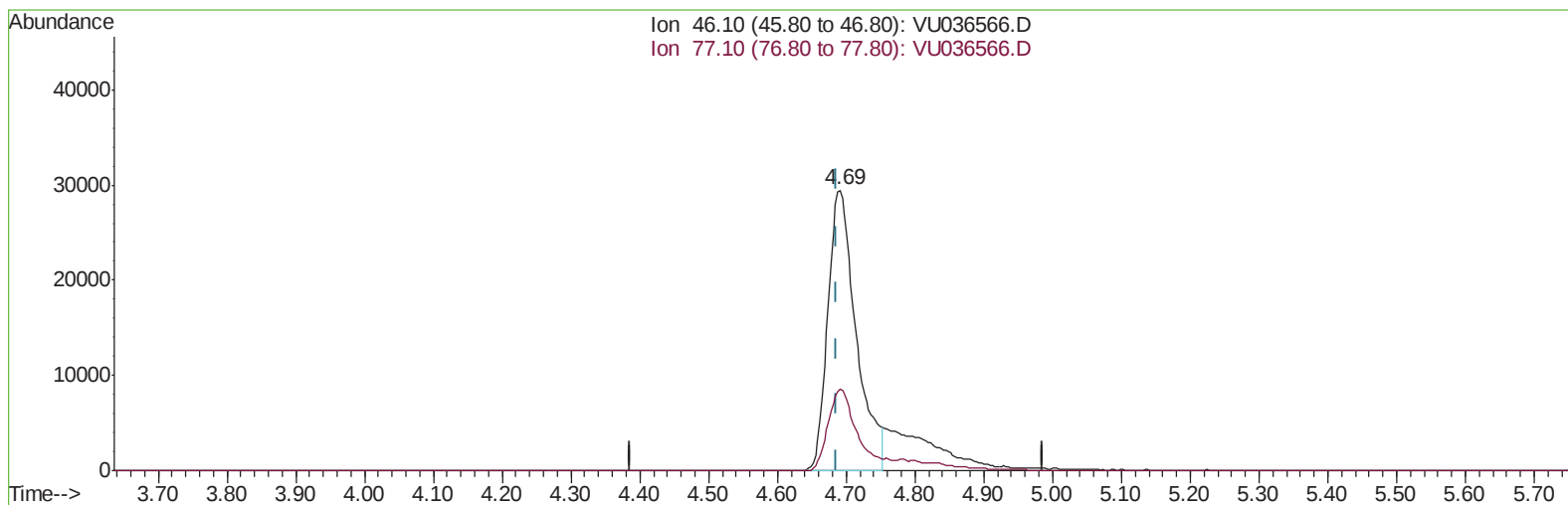
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TIC: VU036566.D

(20) 2-Butanone-d5 (S)

4.691min (+0.003) 47.20ug/L m

response 84458

Ion	Exp%	Act%
46.10	100	100
77.10	29.50	30.53
0.00	0.00	0.00
0.00	0.00	0.00

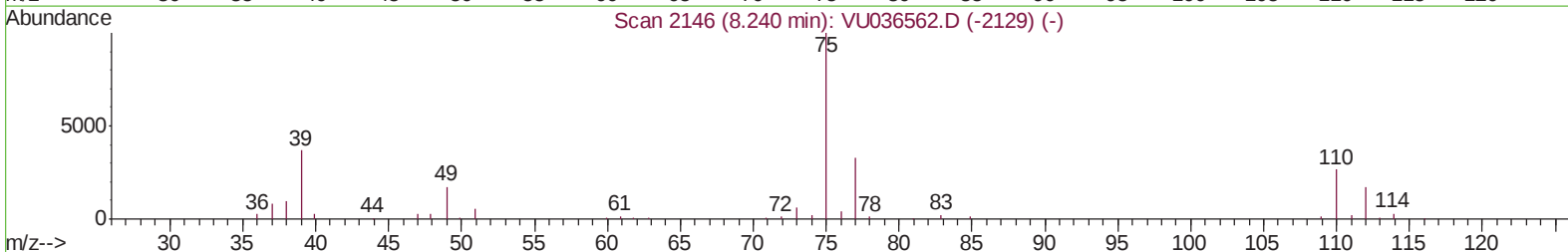
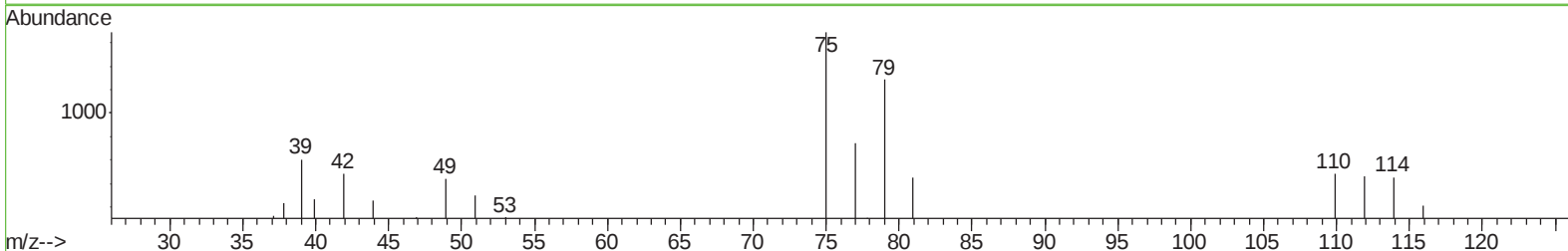
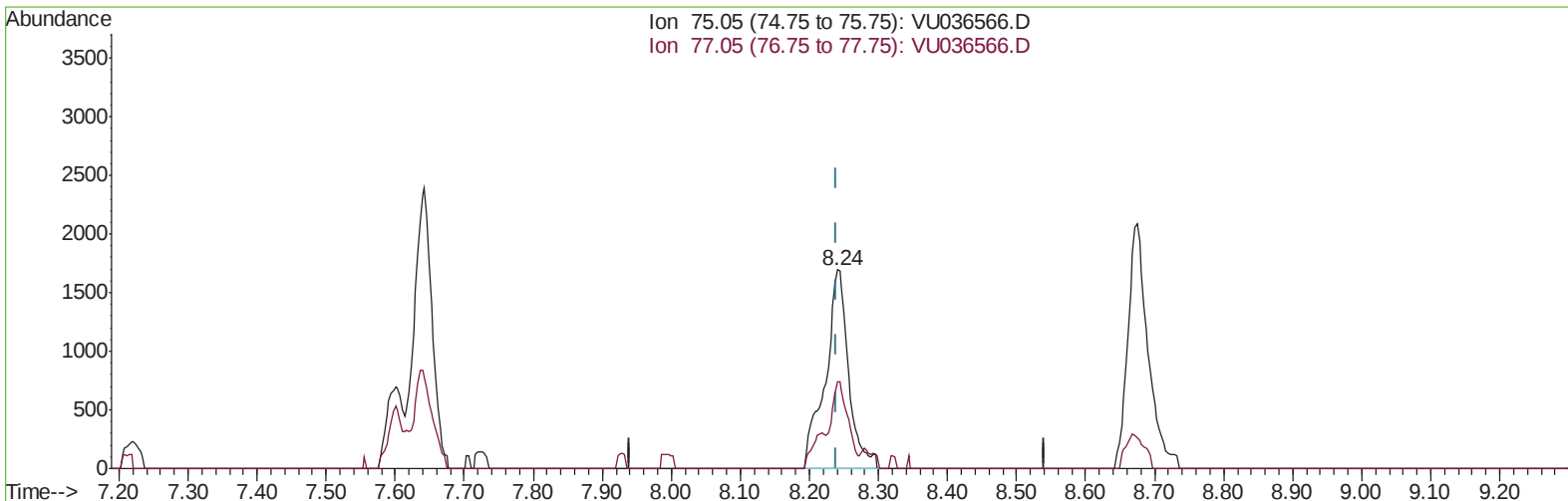
Data File : VU036566.D
Acq On : 27 Jan 2020 14:24
Operator : JC/MD
Sample : MDL05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
MDL05

Manual Integrations
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Quant Time: Jan 28 01:21:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 01:18:12 2020
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TIC: VU036566.D

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

8.240min (+0.000) 0.34ug/L

response 3968

Ion	Exp%	Act%
75.05	100	100
77.05	32.60	43.97#
0.00	0.00	0.00
0.00	0.00	0.00

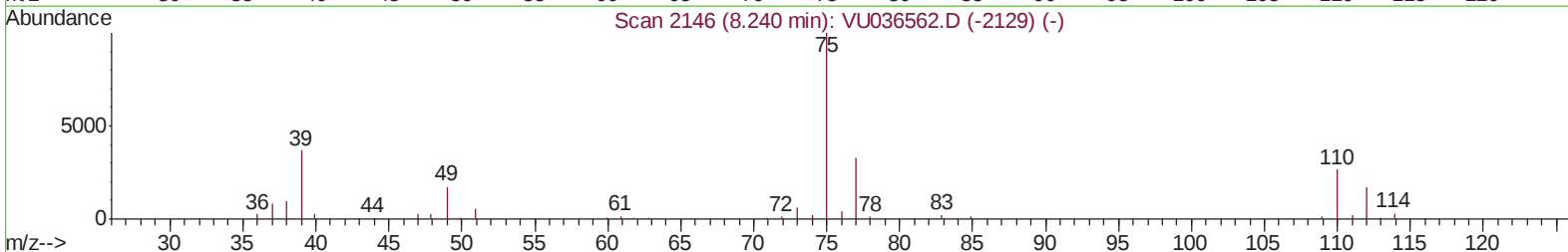
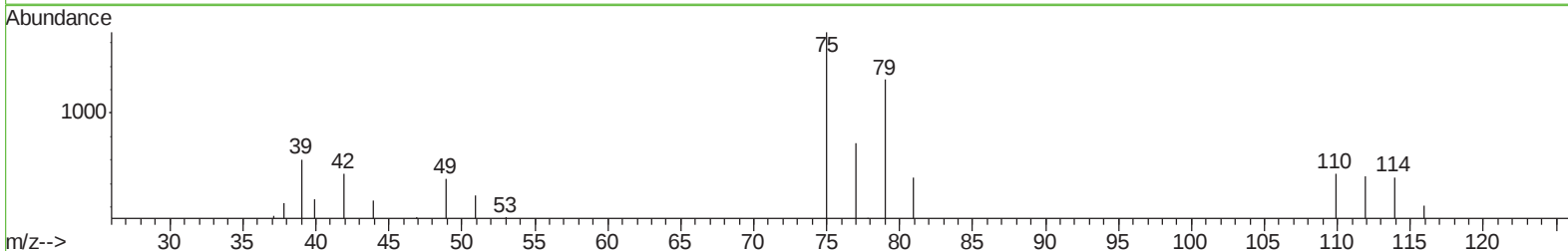
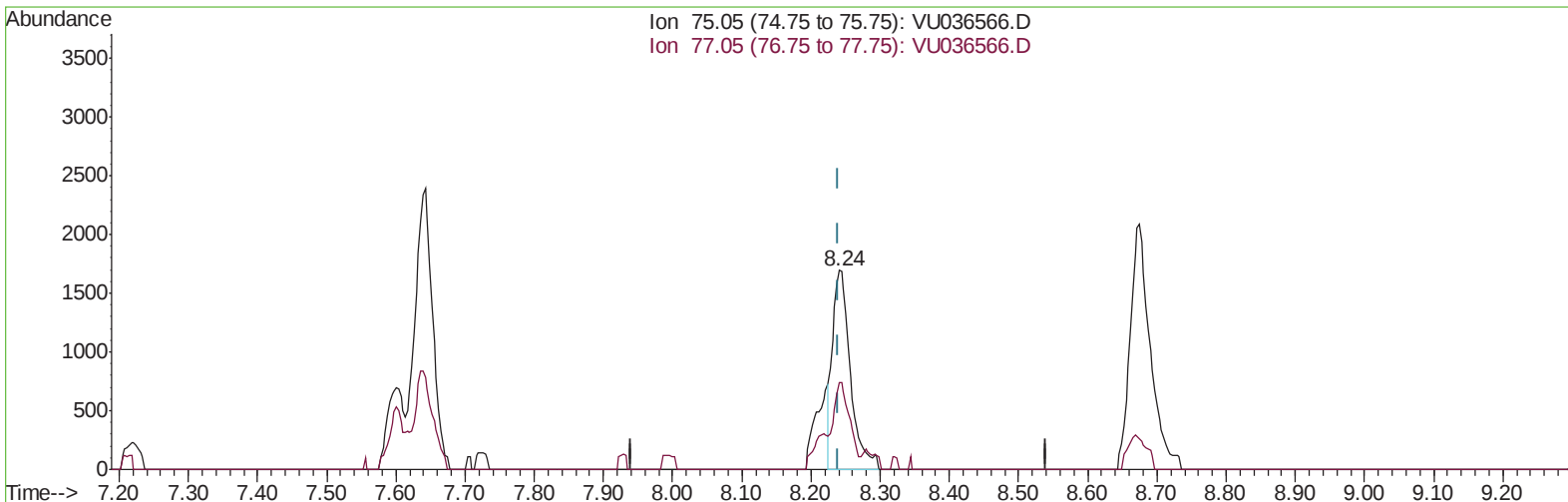
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Manual Integrations
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TIC: VU036566.D

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

8.240min (+0.000) 0.26ug/L m

response 3043

Ion	Exp%	Act%
75.05	100	100
77.05	32.60	43.97#
0.00	0.00	0.00
0.00	0.00	0.00

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Manual Integrations
APPROVED

MMDadoda
2/14/2020 12:23:19 PM

Quant Time: Jan 28 02:00:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 01:18:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	6.29	114	147686	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	139198	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.84	152	66697	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36905	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.93	69	36567	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.59	65	16695	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.69	46	84458m	47.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.40%
24) Chloroform-d	5.11	84	76302	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.75	65	41598	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.77	84	169648	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.73	67	54864	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	162800	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.21	79	21384	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.67	63	107827	56.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.80%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	45306	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
66) 1,2-Dichlorobenzene-d4	12.21	152	61169	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	2954	0.273 ug/L	91
3) Chloromethane	1.54	50	3184	0.278 ug/L	95
5) Vinyl chloride	1.62	62	3537	0.285 ug/L #	79
6) Bromomethane	1.87	94	2099	0.291 ug/L	95
8) Chloroethane	1.95	64	2388	0.311 ug/L	92
9) Trichlorofluoromethane	2.16	101	3797	0.263 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2774	0.312 ug/L	90
12) 1,1-Dichloroethene	2.60	96	2850	0.323 ug/L #	1
13) Acetone	2.68	43	7073	5.303 ug/L	96
14) Carbon disulfide	2.82	76	7912	0.285 ug/L	99
15) Methyl Acetate	3.00	43	971	0.285 ug/L #	46
16) Methylene chloride	3.08	84	5044	0.420 ug/L	93
17) Methyl tert-butyl Ether	3.41	73	6030	0.272 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	2541	0.268 ug/L	92
19) 1,1-Dichloroethane	3.92	63	4453	0.269 ug/L	98
21) 2-Butanone	4.77	43	6871	3.186 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	2640	0.250 ug/L	87

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Manual Integrations
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Quant Time: Jan 28 02:00:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 01:18:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	5.03	128	1238	0.278	ug/L	94
25) Chloroform	5.13	83	5041	0.306	ug/L	97
27) 1,2-Dichloroethane	5.84	62	2879	0.278	ug/L #	92
29) 1,1,1-Trichloroethane	5.36	97	3302	0.238	ug/L	97
30) Cyclohexane	5.43	56	4087	0.258	ug/L	93
31) Carbon tetrachloride	5.57	117	3050	0.259	ug/L	99
33) Benzene	5.81	78	11051	0.283	ug/L	100
34) Trichloroethene	6.58	95	2808	0.271	ug/L	93
35) Methylcyclohexane	6.80	83	4976	0.280	ug/L	94
37) 1,2-Dichloropropane	6.83	63	2634	0.271	ug/L #	88
38) Bromodichloromethane	7.14	83	3177	0.267	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	4205	0.280	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	16646	3.043	ug/L #	87
42) Toluene	8.00	91	12858	0.298	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	3043m	0.264	ug/L	
45) 1,1,2-Trichloroethane	8.43	97	2014	0.280	ug/L	91
47) Tetrachloroethene	8.58	164	2413	0.286	ug/L	79
48) 2-Hexanone	8.72	43	11385	3.017	ug/L	90
49) Dibromochloromethane	8.84	129	2106	0.256	ug/L	98
50) 1,2-Dibromoethane	8.96	107	1876	0.268	ug/L #	98
51) Chlorobenzene	9.48	112	7664	0.276	ug/L	93
52) Ethylbenzene	9.60	91	12970	0.276	ug/L	99
53) m,p-Xylene	9.72	106	5200	0.285	ug/L	84
54) o-Xylene	10.12	106	4951	0.277	ug/L	90
55) Styrene	10.14	104	8089	0.276	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.81	83	2488	0.276	ug/L	93
59) Bromoform	10.32	173	1136	0.254	ug/L #	91
60) Isopropylbenzene	10.51	105	12510	0.277	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	1772	0.285	ug/L	98
62) 1,3,5-Trimethylbenzene	11.11	105	10528	0.272	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	9772	0.255	ug/L	94
64) 1,3-Dichlorobenzene	11.77	146	5900	0.281	ug/L	97
65) 1,4-Dichlorobenzene	11.86	146	5869	0.279	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	5799	0.289	ug/L	93
68) 1,2-Dibromo-3-chloropropan	13.01	75	498	0.379	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.24	180	4116	0.255	ug/L	96
70) 1,2,4-trichlorobenzene	13.86	180	2021	0.172	ug/L	97
71) Naphthalene	14.11	128	2026	0.121	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.35	180	1913	0.180	ug/L	92

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

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MDL05

Manual Integrations

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