

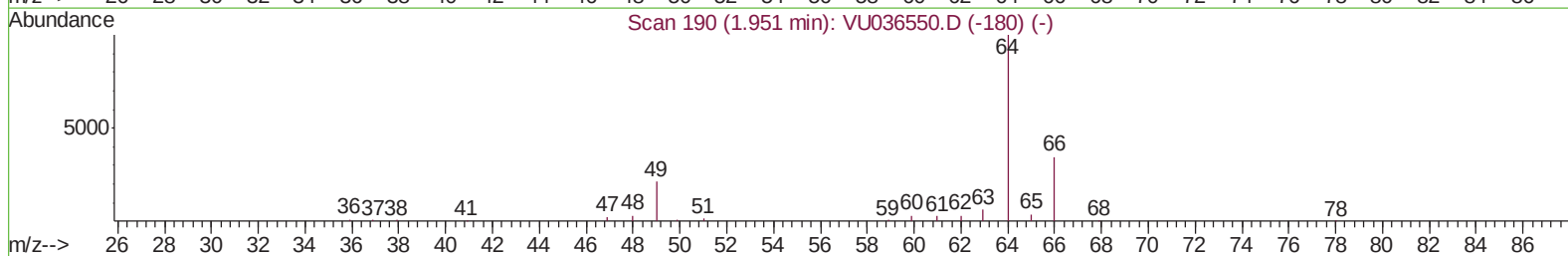
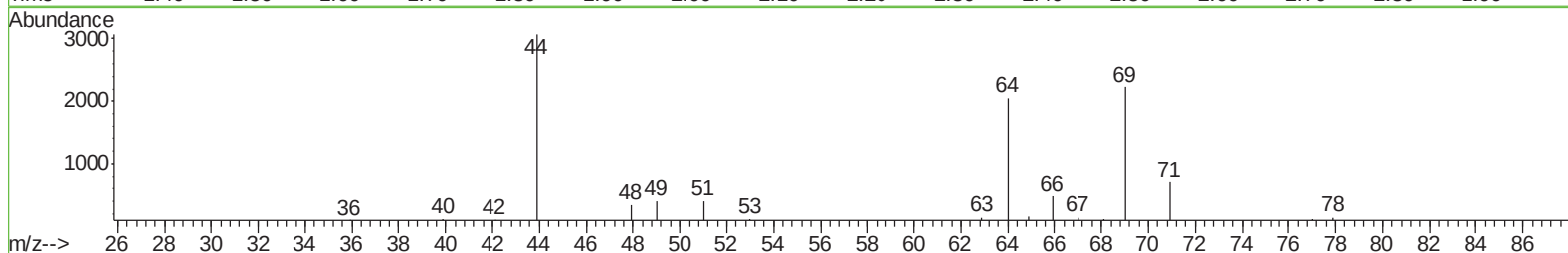
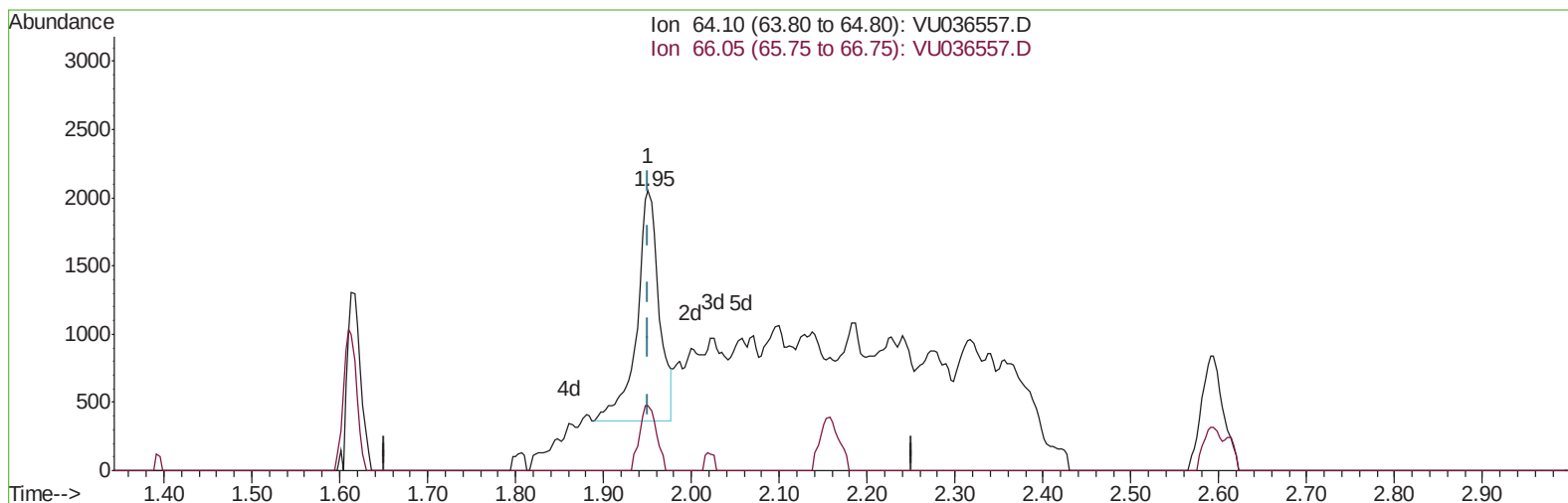
Data File : VU036557.D
Acq On : 24 Jan 2020 16:06
Operator : JC/MD
Sample : MDL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
2/14/2020 12:23:54 PM

Quant Time: Jan 24 23:23:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 24 23:19:07 2020
Response via : Initial Calibration



TIC: VU036557.D

(8) Chloroethane (T)

1.951min (+0.000) 0.39ug/L

response 2997

Ion	Exp%	Act%
64.10	100	100
66.05	34.50	23.34#
0.00	0.00	0.00
0.00	0.00	0.00

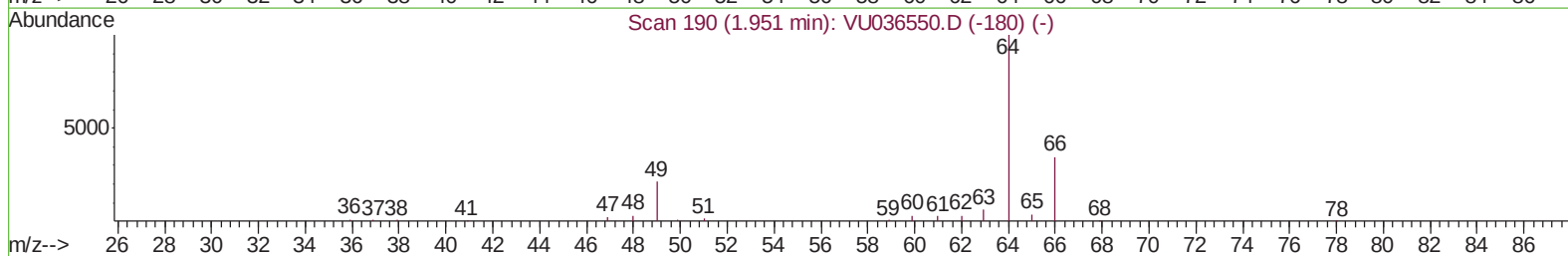
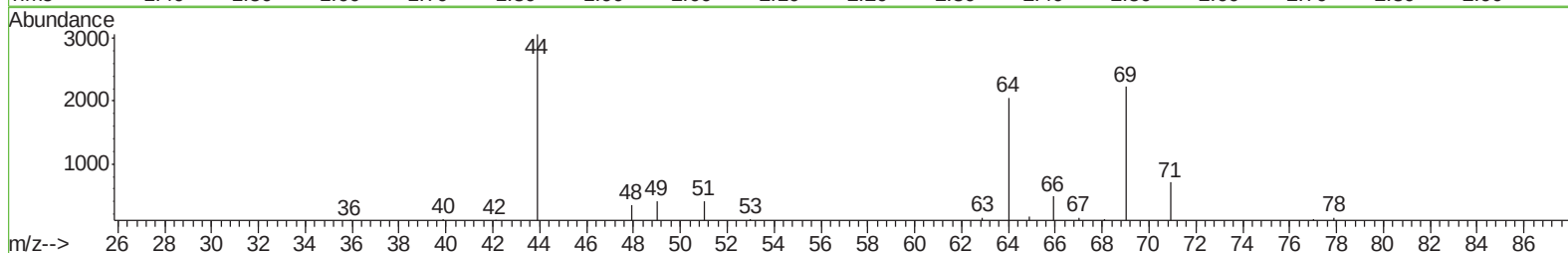
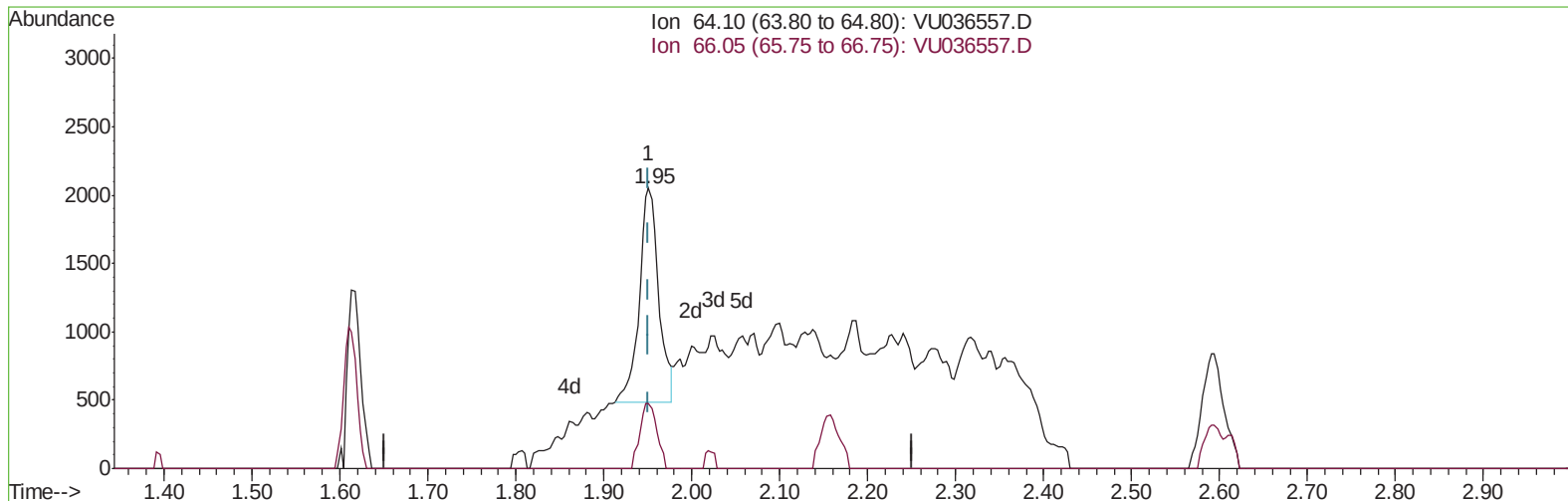
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TIC: VU036557.D

(8) Chloroethane (T)

1.951min (+0.000) 0.32ug/L m

response 2418

Ion	Exp%	Act%
64.10	100	100
66.05	34.50	23.34#
0.00	0.00	0.00
0.00	0.00	0.00

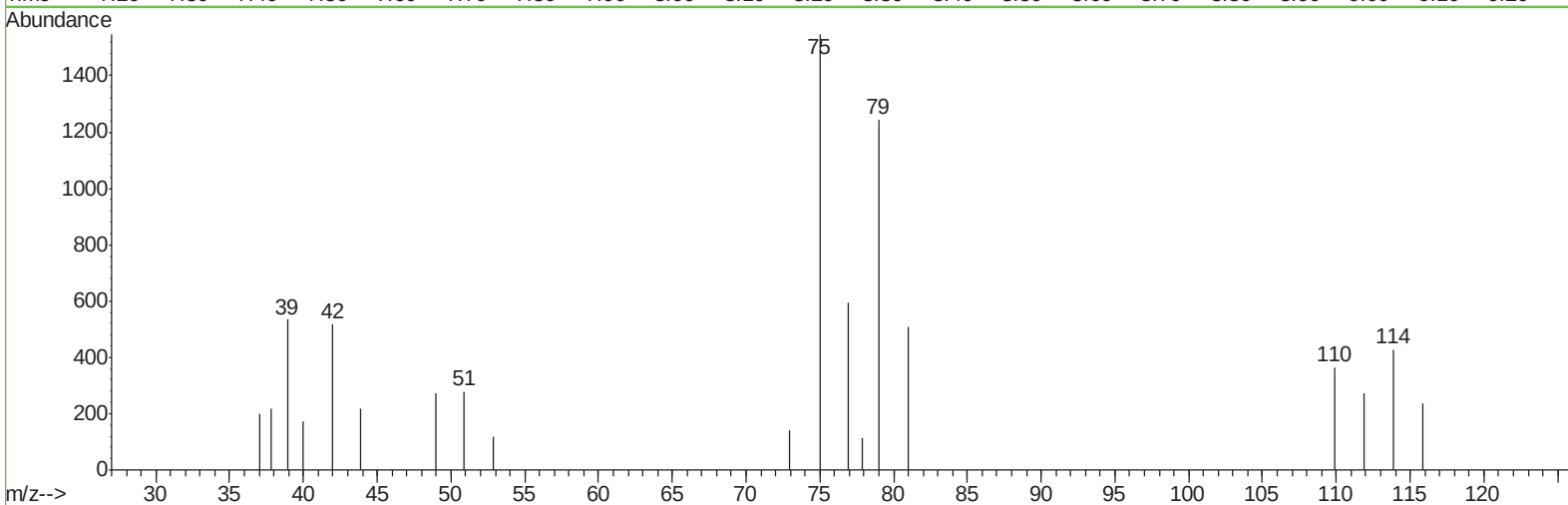
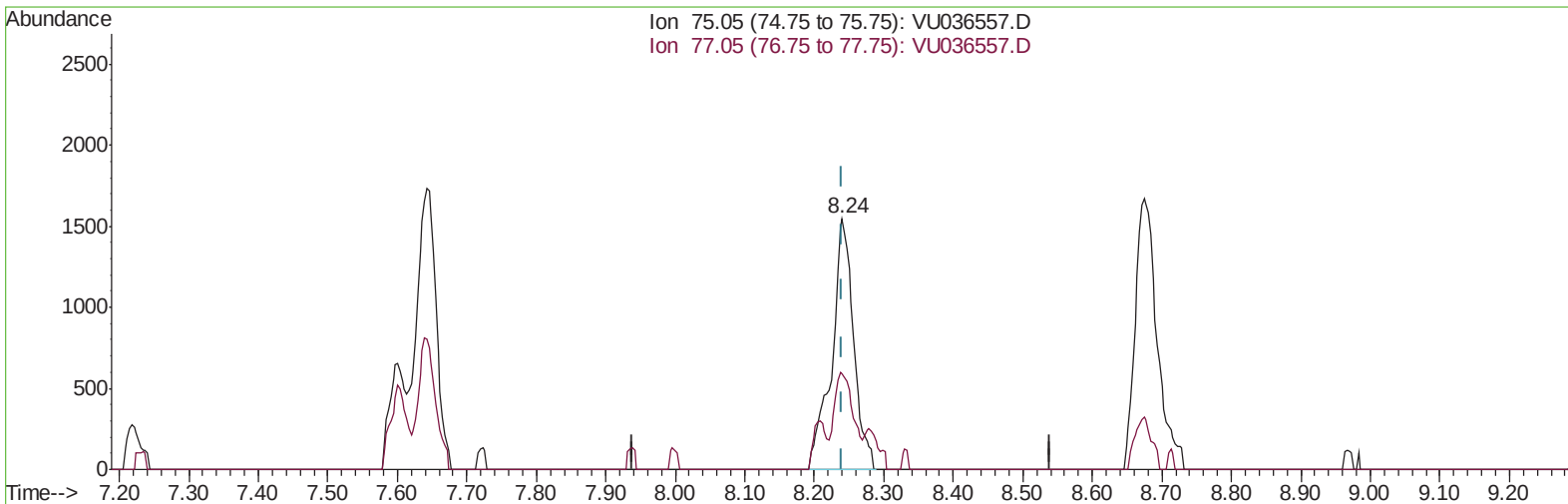
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
MDL01

Manual Integrations
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Quant Time: Jan 24 23:43:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 24 23:19:07 2020
Response via : Initial Calibration



TIC: VU036557.D

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

8.240min (+0.000) 0.30ug/L

response 3373

Ion	Exp%	Act%
75.05	100	100
77.05	32.60	38.40
0.00	0.00	0.00
0.00	0.00	0.00

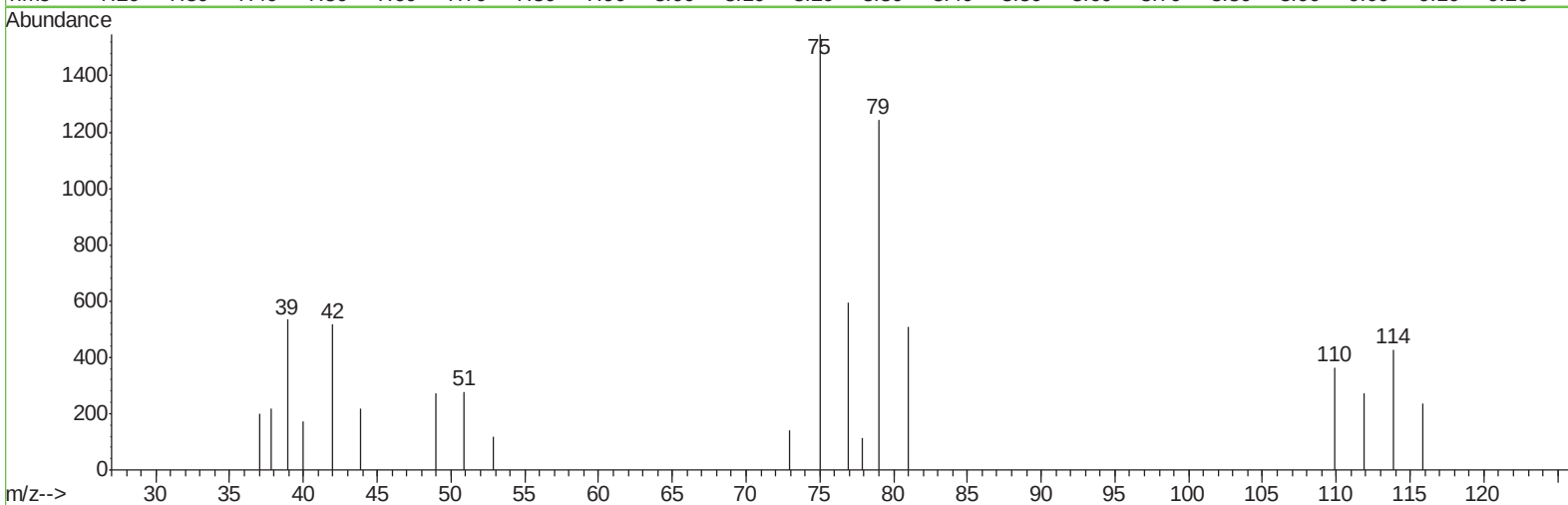
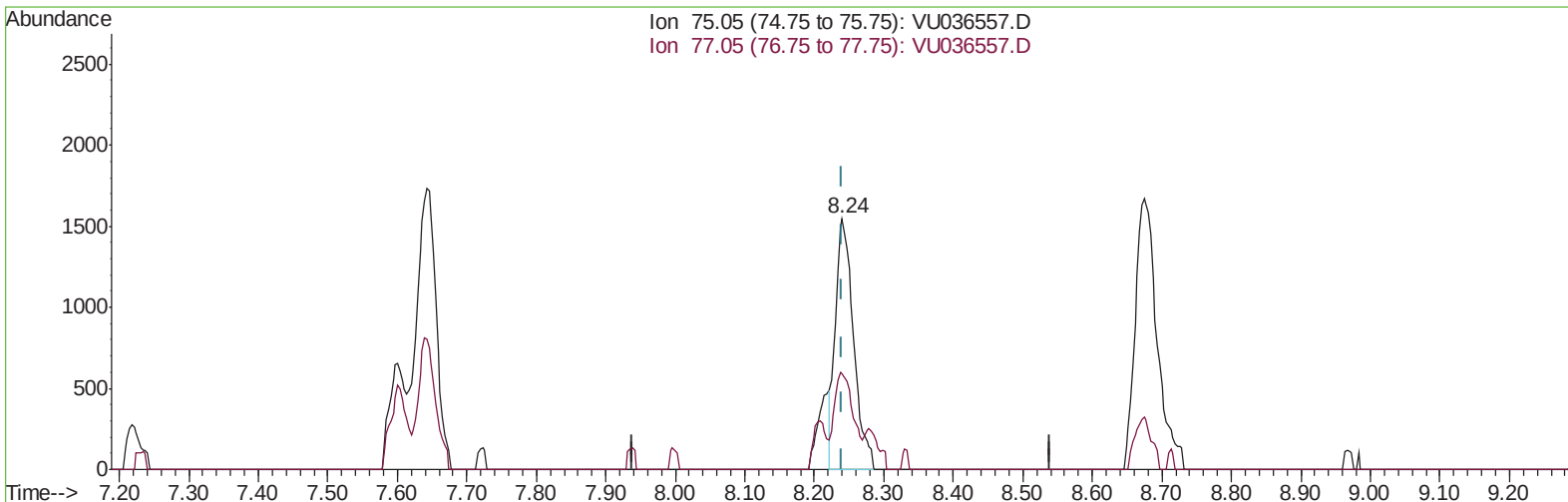
Data File : VU036557.D
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ClientSampleId :
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Manual Integrations
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Quant Time: Jan 24 23:43:01 2020
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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration



TIC: VU036557.D

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

8.240min (+0.000) 0.25ug/L m

response 2812

Ion	Exp%	Act%
75.05	100	100
77.05	32.60	38.40
0.00	0.00	0.00
0.00	0.00	0.00

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Quant Time: Jan 24 23:47:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 24 23:19:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	6.29	114	147173	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	137166	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	64887	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39230	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.93	69	36349	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.59	65	16877	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.69	46	81581	45.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.50%
24) Chloroform-d	5.11	84	74069	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.75	65	39697	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.77	84	166273	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.73	67	51762	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.93	98	160272	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.21	79	19939	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.67	63	102788	55.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.10%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41253	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	58125	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	2753	0.255	ug/L	95
3) Chloromethane	1.54	50	2745	0.241	ug/L	96
5) Vinyl chloride	1.62	62	3012	0.243	ug/L #	78
6) Bromomethane	1.87	94	1846	0.257	ug/L	99
8) Chloroethane	1.95	64	2418m	0.316	ug/L	
9) Trichlorofluoromethane	2.16	101	3344	0.232	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2703	0.305	ug/L	89
12) 1,1-Dichloroethene	2.60	96	2431	0.276	ug/L #	1
13) Acetone	2.67	43	5952	4.478	ug/L	93
14) Carbon disulfide	2.82	76	6654	0.240	ug/L	100
15) Methyl Acetate	2.99	43	915	0.269	ug/L #	46
16) Methylene chloride	3.08	84	6111	0.511	ug/L	99
17) Methyl tert-butyl Ether	3.42	73	5413	0.245	ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	2280	0.241	ug/L	95
19) 1,1-Dichloroethane	3.92	63	3833	0.232	ug/L	98
21) 2-Butanone	4.77	43	5862	2.727	ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	2416	0.229	ug/L	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	5.02	128	944	0.213	ug/L	89
25) Chloroform	5.13	83	4470	0.272	ug/L	99
27) 1,2-Dichloroethane	5.84	62	2562	0.249	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	3311	0.242	ug/L	95
30) Cyclohexane	5.42	56	3535	0.226	ug/L	90
31) Carbon tetrachloride	5.57	117	2478	0.213	ug/L	92
33) Benzene	5.82	78	9956	0.258	ug/L	100
34) Trichloroethene	6.58	95	2467	0.242	ug/L	97
35) Methylcyclohexane	6.80	83	4397	0.251	ug/L	93
37) 1,2-Dichloropropane	6.83	63	2333	0.243	ug/L #	88
38) Bromodichloromethane	7.14	83	2703	0.231	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	3375	0.228	ug/L #	74
40) 4-Methyl-2-pentanone	7.84	43	13831	2.566	ug/L #	87
42) Toluene	8.00	91	10926	0.257	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	2812m	0.247	ug/L	
45) 1,1,2-Trichloroethane	8.43	97	1712	0.241	ug/L	94
47) Tetrachloroethene	8.58	164	2046	0.246	ug/L	87
48) 2-Hexanone	8.72	43	11095	2.983	ug/L	97
49) Dibromochloromethane	8.84	129	1895	0.234	ug/L	95
50) 1,2-Dibromoethane	8.95	107	1459	0.211	ug/L #	72
51) Chlorobenzene	9.47	112	7316	0.268	ug/L	97
52) Ethylbenzene	9.60	91	11882	0.256	ug/L	100
53) m,p-Xylene	9.72	106	4301	0.239	ug/L	95
54) o-Xylene	10.13	106	4413	0.250	ug/L	93
55) Styrene	10.14	104	6703	0.232	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.81	83	2323	0.261	ug/L	95
59) Bromoform	10.32	173	913	0.209	ug/L #	89
60) Isopropylbenzene	10.51	105	10928	0.249	ug/L	98
61) 1,2,3-Trichloropropane	10.85	75	1548	0.256	ug/L	96
62) 1,3,5-Trimethylbenzene	11.11	105	9247	0.246	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	9095	0.244	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	5129	0.251	ug/L	97
65) 1,4-Dichlorobenzene	11.86	146	5239	0.256	ug/L	94
67) 1,2-Dichlorobenzene	12.23	146	4995	0.256	ug/L	96
68) 1,2-Dibromo-3-chloropropan	13.02	75	252	0.197	ug/L	83
69) 1,3,5-Trichlorobenzene	13.24	180	3390	0.216	ug/L	96
70) 1,2,4-trichlorobenzene	13.86	180	1878	0.164	ug/L	95
71) Naphthalene	14.10	128	2335	0.143	ug/L #	89
72) 1,2,3-Trichlorobenzene	14.35	180	2069	0.200	ug/L	92

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

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