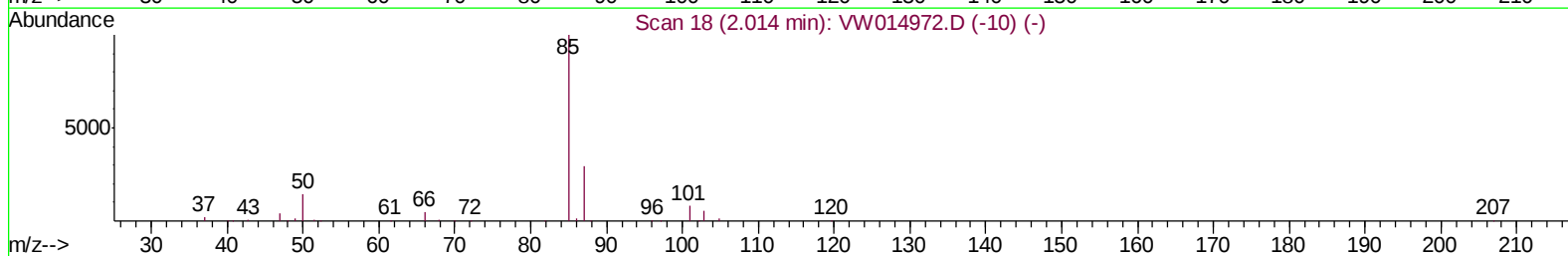
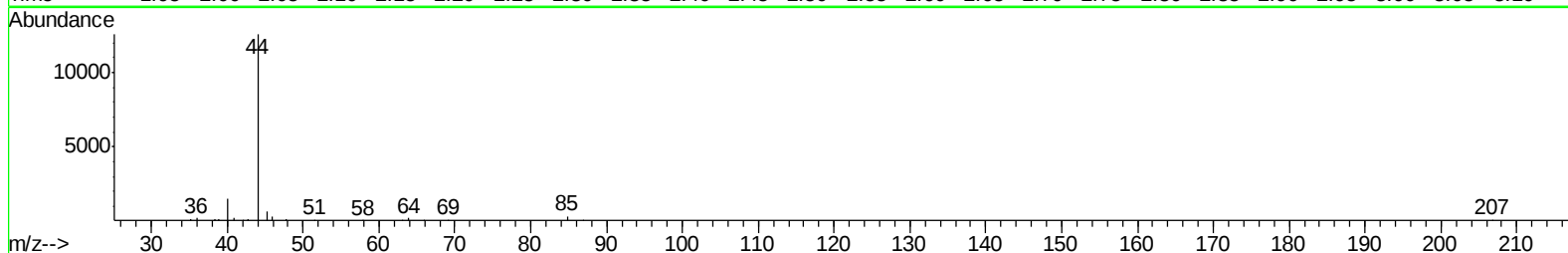
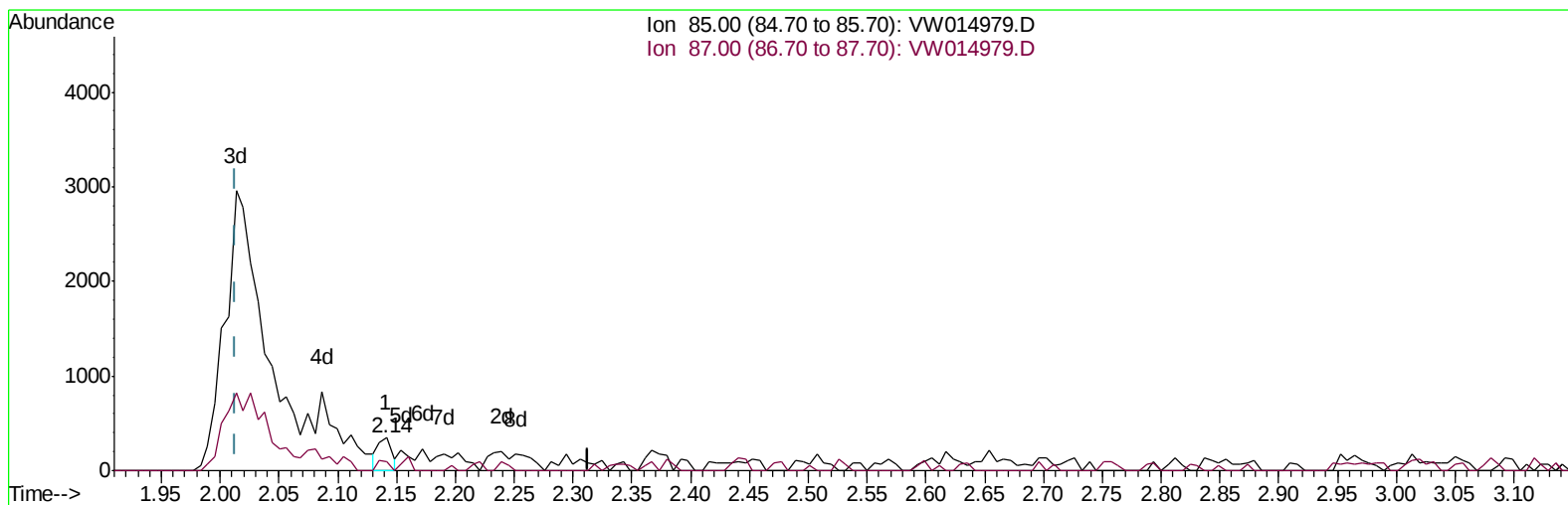


Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:52:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration



TIC: VW014979.D

(2) Dichlorodifluoromethane (T)

2.142min (+0.128) 0.04ug/L

response 282

Ion	Exp%	Act%
85.00	100	100
87.00	26.90	26.24
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW014979.D

Acq On : 13 Feb 2020 14:45

Operator : SY/VA

Sample : MDL01

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

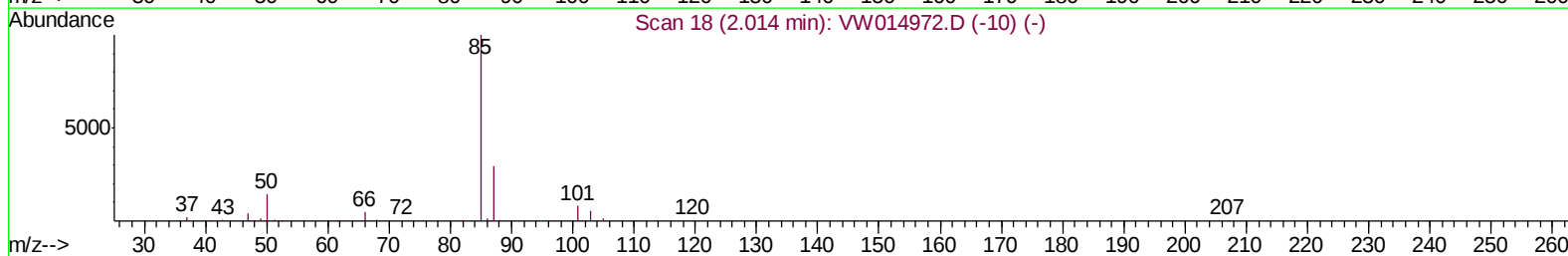
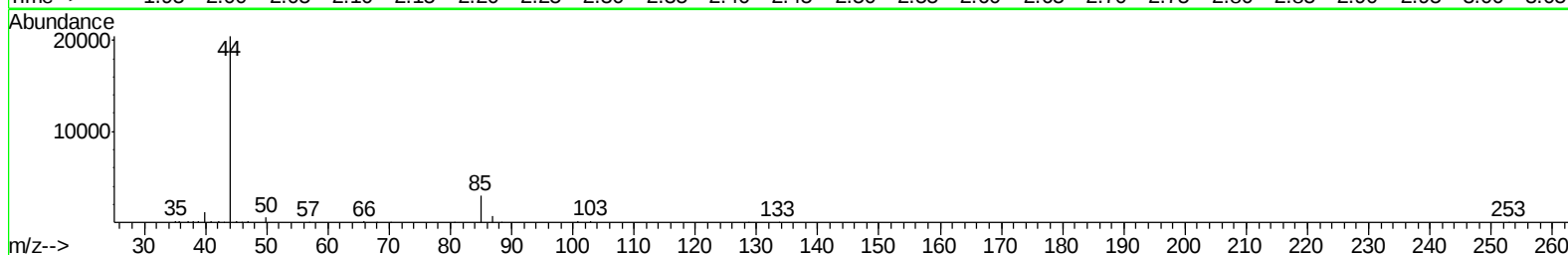
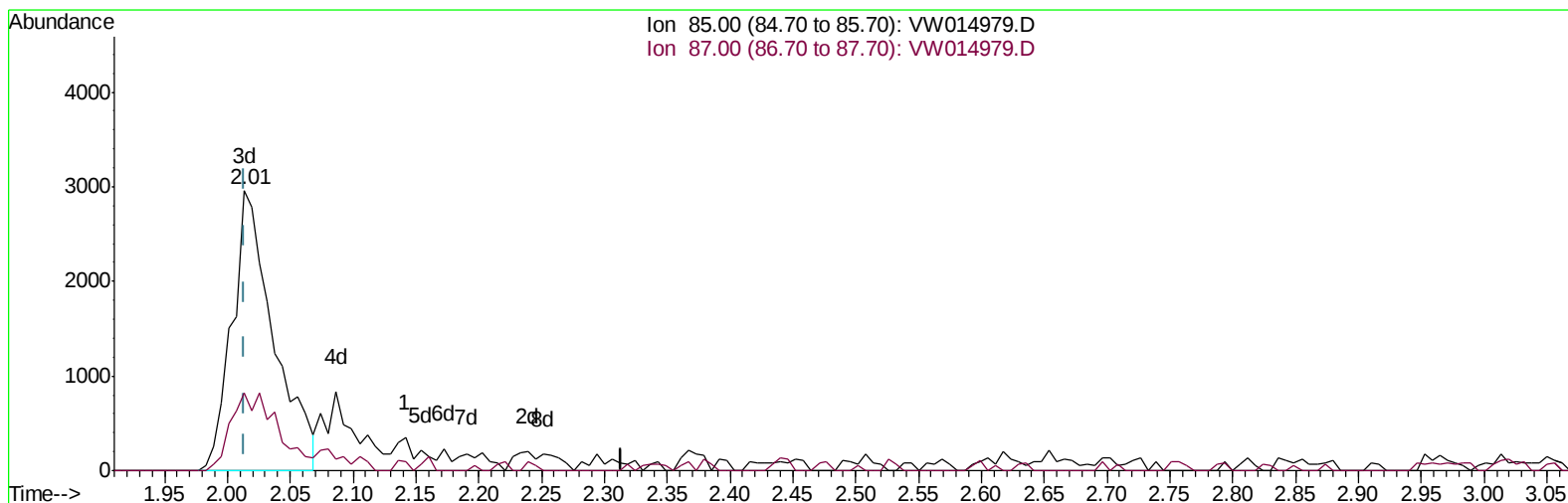
Quant Time: Feb 14 04:52:25 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Fri Feb 14 04:49:34 2020

Response via : Initial Calibration



TIC: VW014979.D

(2) Dichlorodifluoromethane (T)

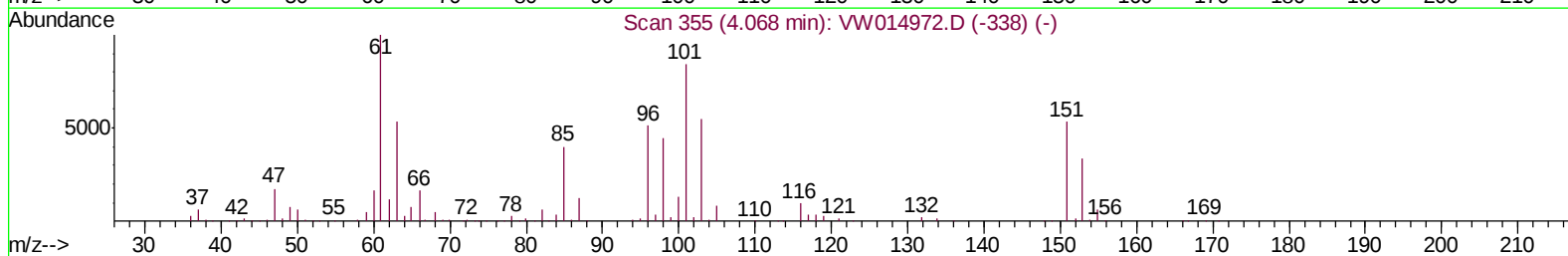
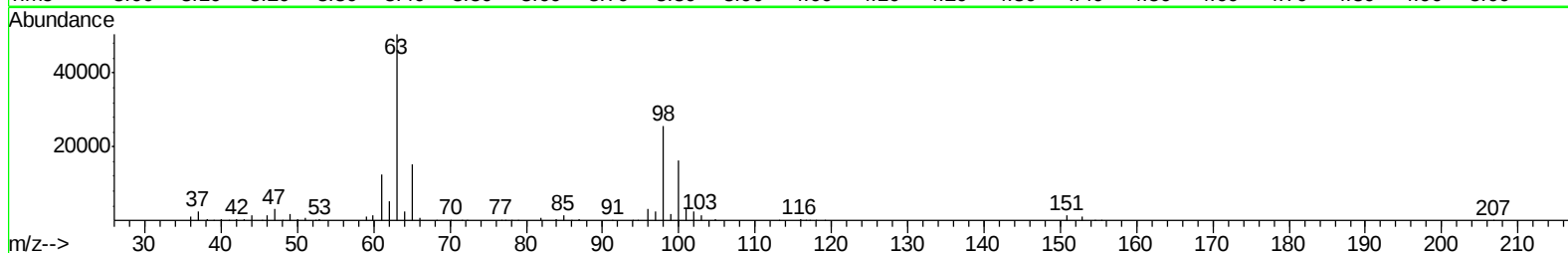
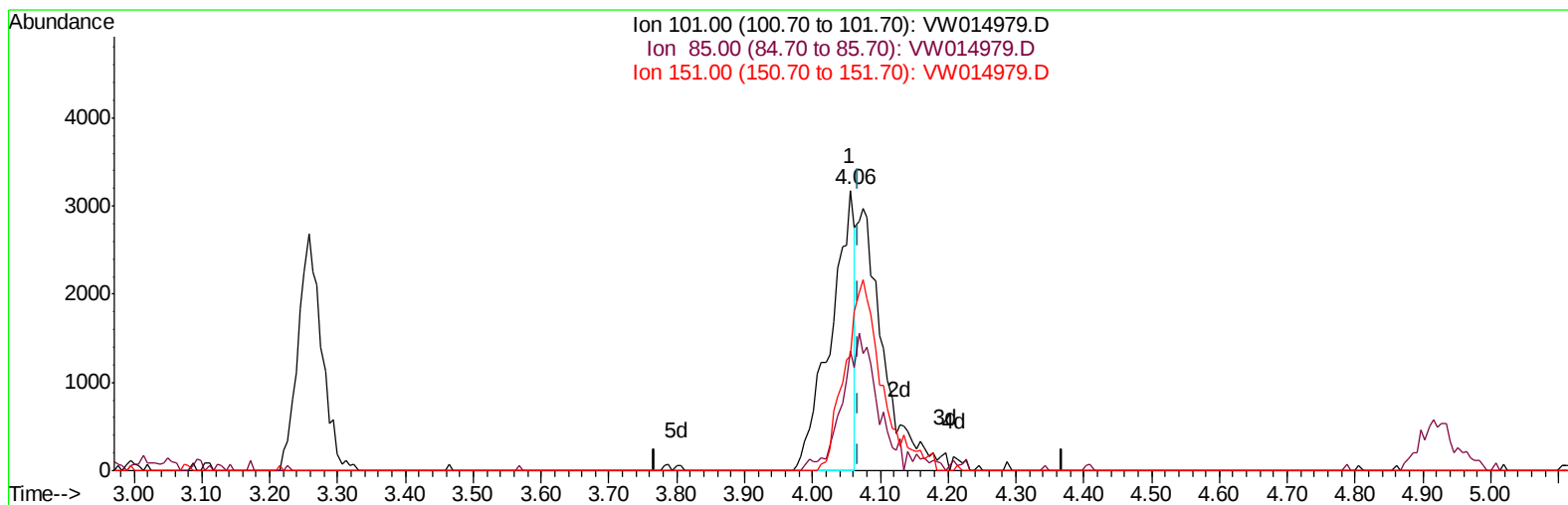
2.014min (-0.000) 0.87ug/L m

response 6842

Ion	Exp%	Act%
85.00	100	100
87.00	26.90	1.08#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:52:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration



TIC: VW014979.D

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.056min (-0.012) 0.64ug/L

response 7902

Ion	Exp%	Act%
101.00	100	100
85.00	45.60	66.63#
151.00	62.80	94.53#
0.00	0.00	0.00

Data File : VW014979.D

Acq On : 13 Feb 2020 14:45

Operator : SY/VA

Sample : MDL01

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

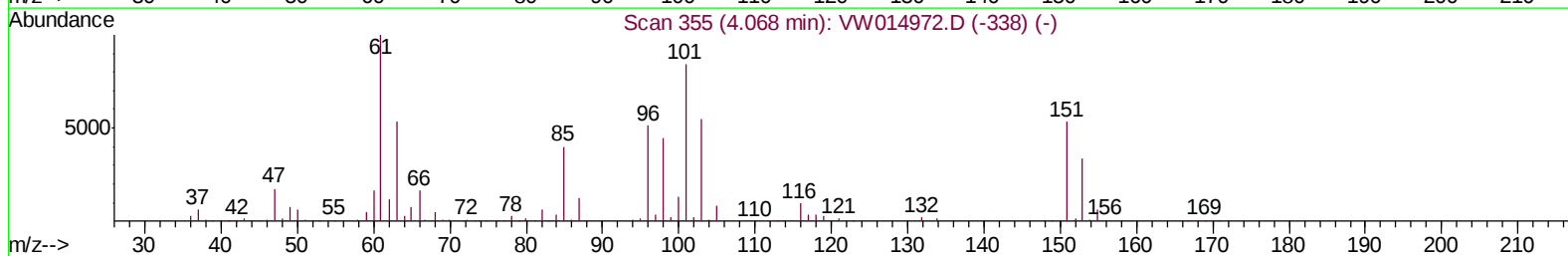
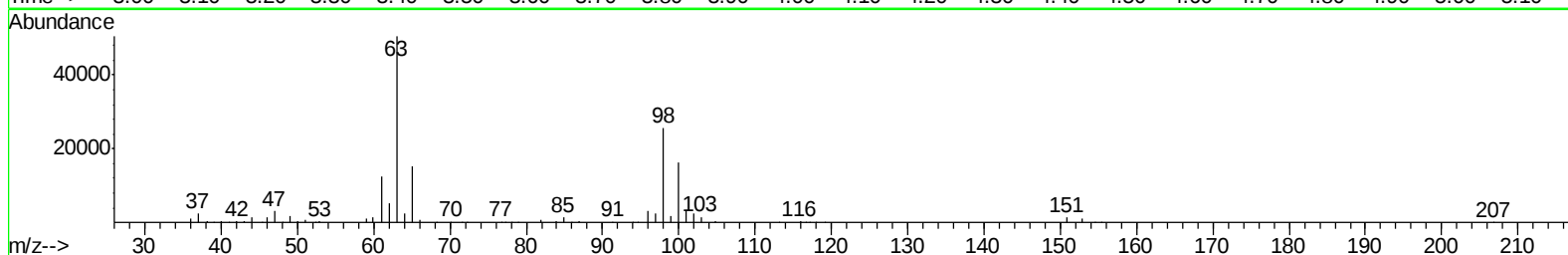
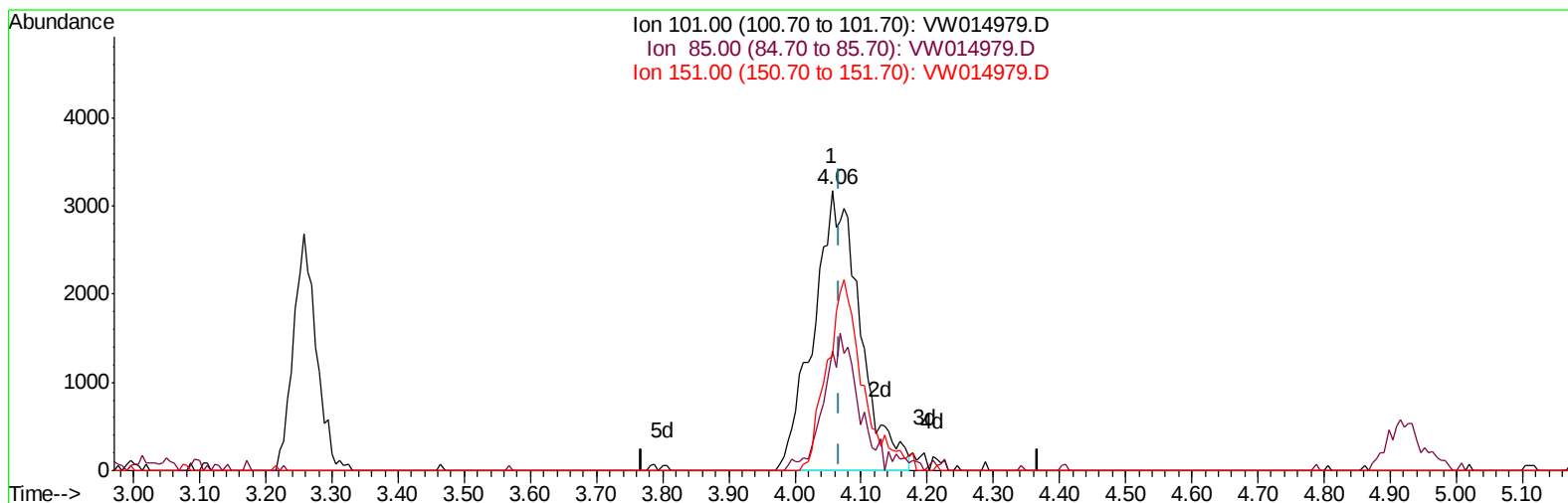
Quant Time: Feb 14 04:52:25 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Fri Feb 14 04:49:34 2020

Response via : Initial Calibration



TIC: VW014979.D

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

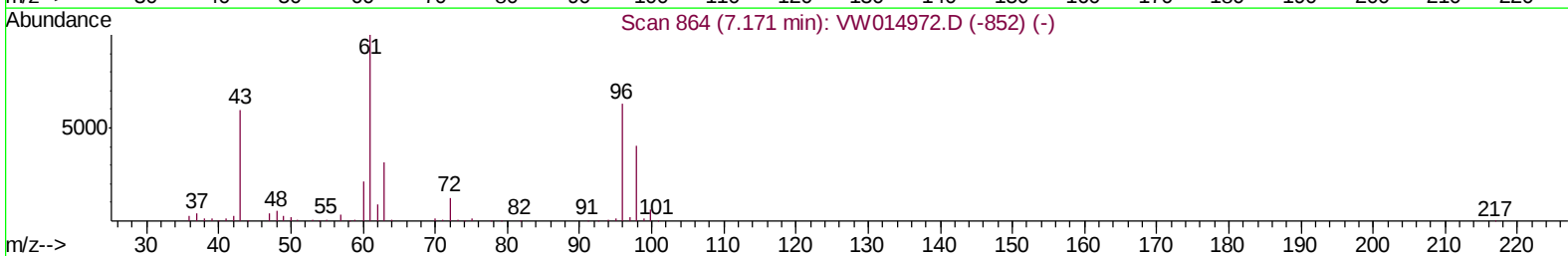
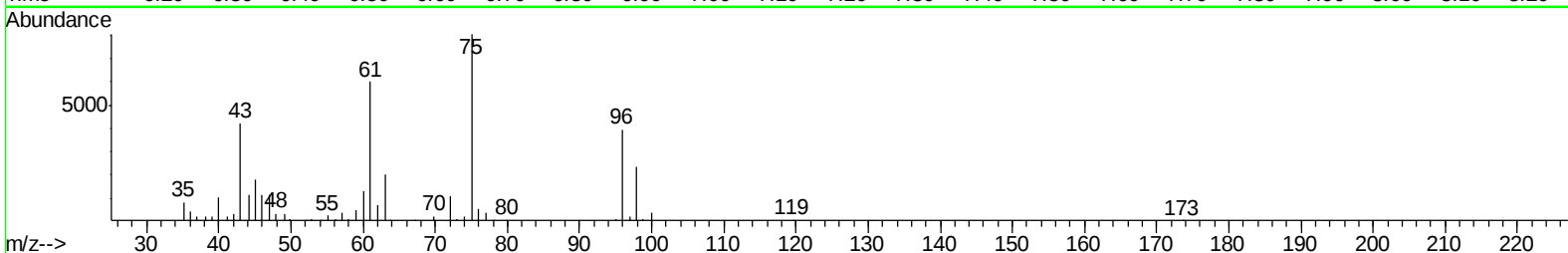
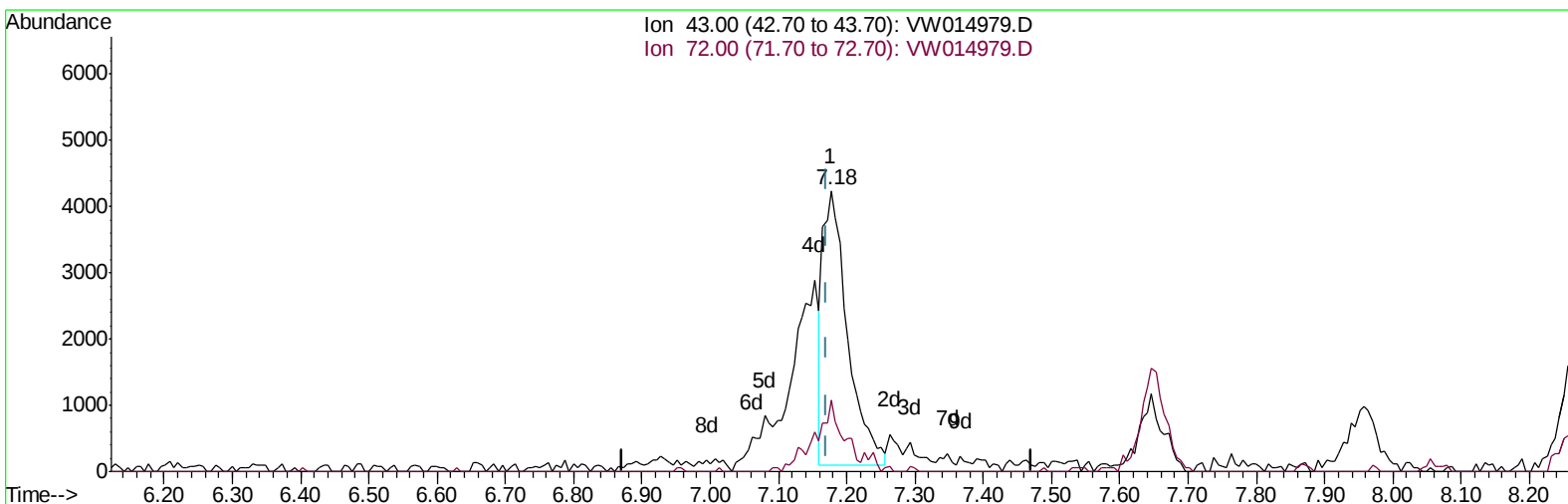
4.056min (-0.012) 1.27ug/L m

response 15589

Ion	Exp%	Act%
101.00	100	100
85.00	45.60	33.77#
151.00	62.80	47.92#
0.00	0.00	0.00

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:52:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration



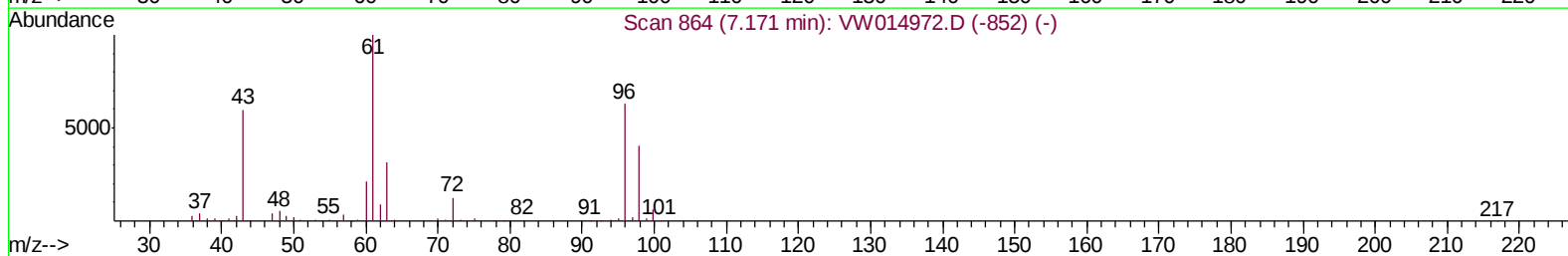
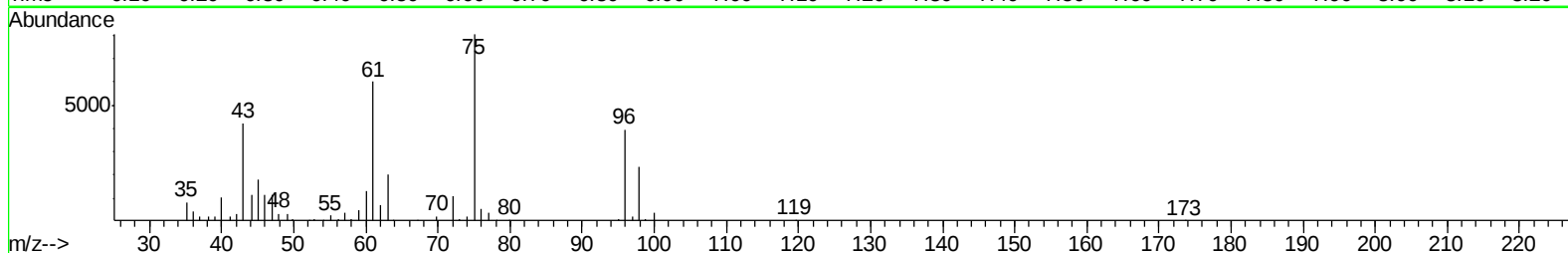
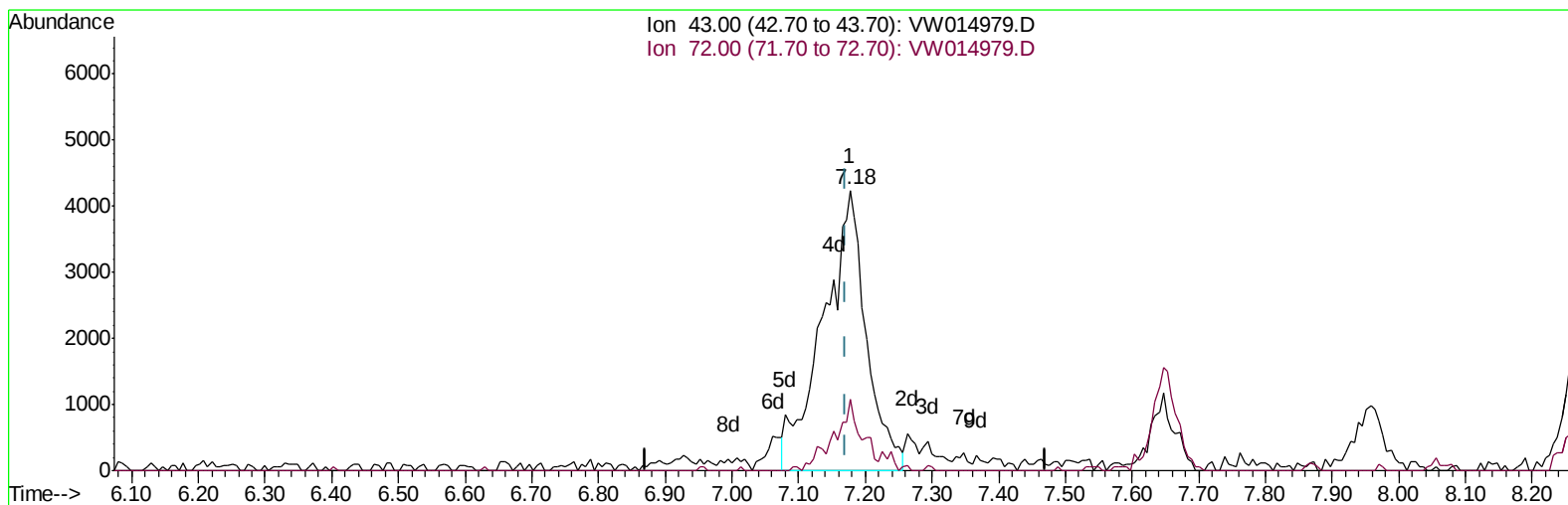
TIC: VW014979.D

(22) 2-Butanone (T)
7.177min (+0.006) 1.85ug/L
response 10333

Ion	Exp%	Act%
43.00	100	100
72.00	22.10	15.36
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:52:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration



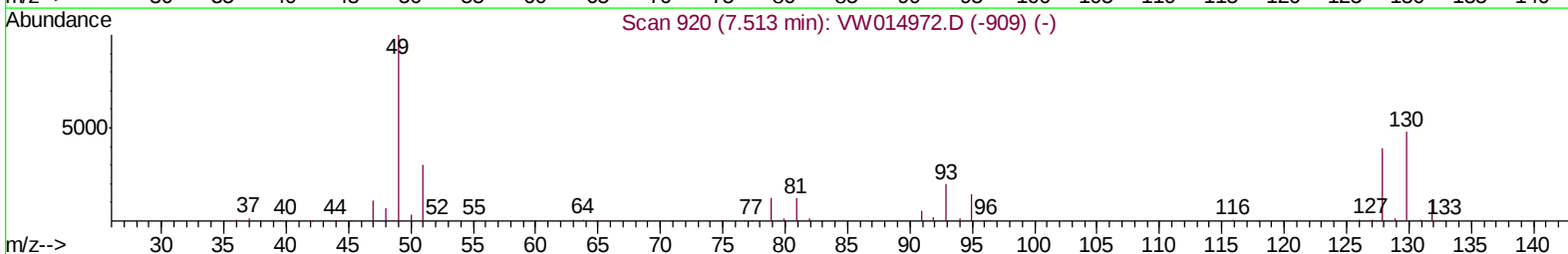
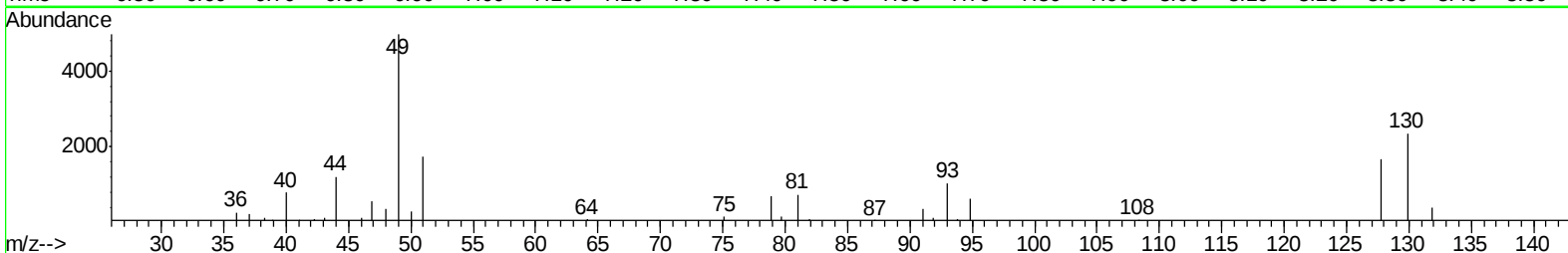
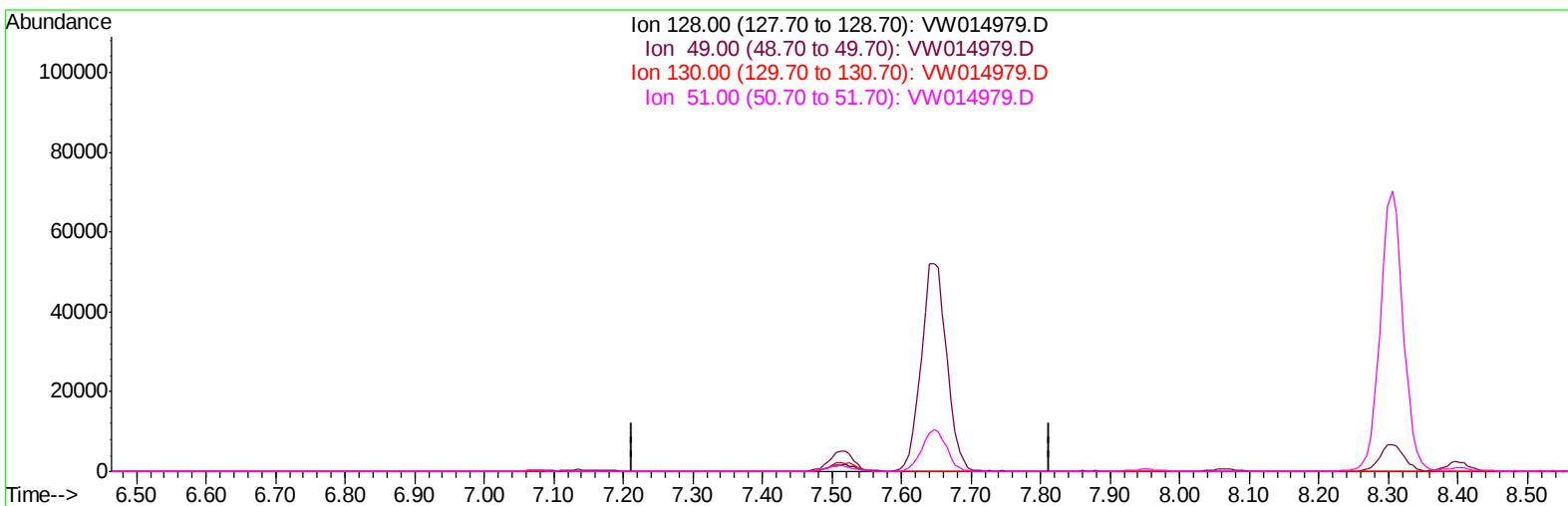
TIC: VW014979.D

(22) 2-Butanone (T)
7.177min (+0.006) 3.43ug/L m
response 19128

Ion	Exp%	Act%
43.00	100	100
72.00	22.10	8.30#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:52:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration



TIC: VW014979.D

(23) Bromochloromethane (T)

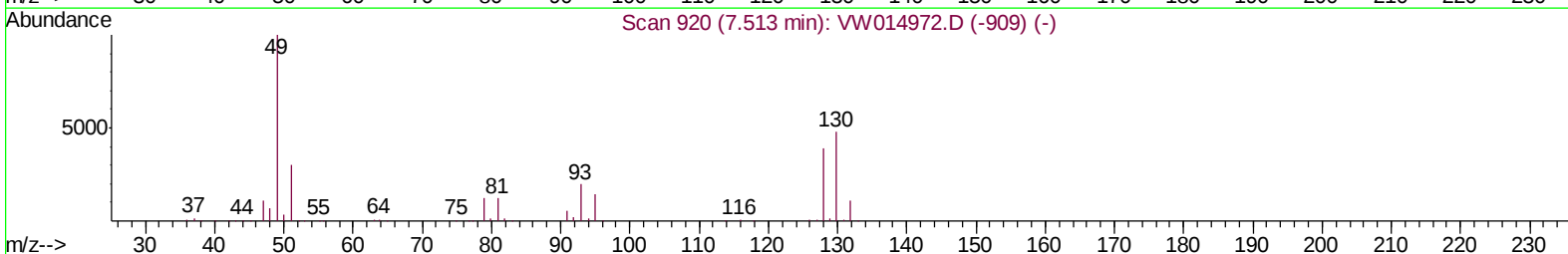
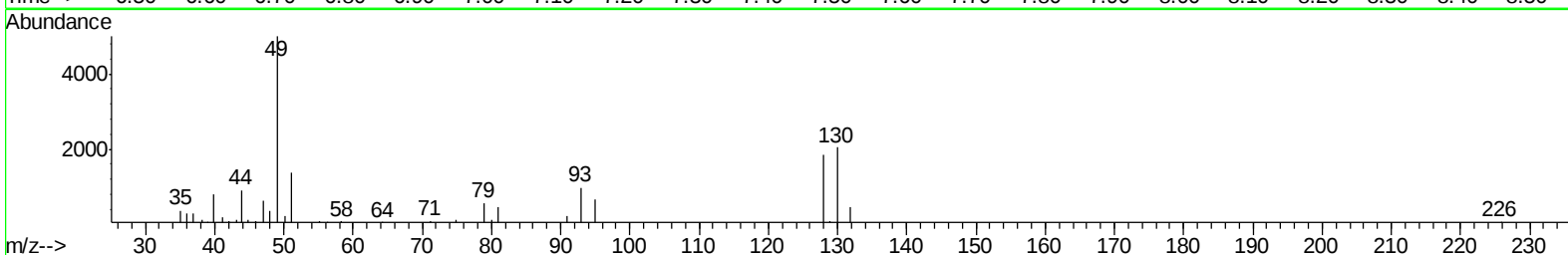
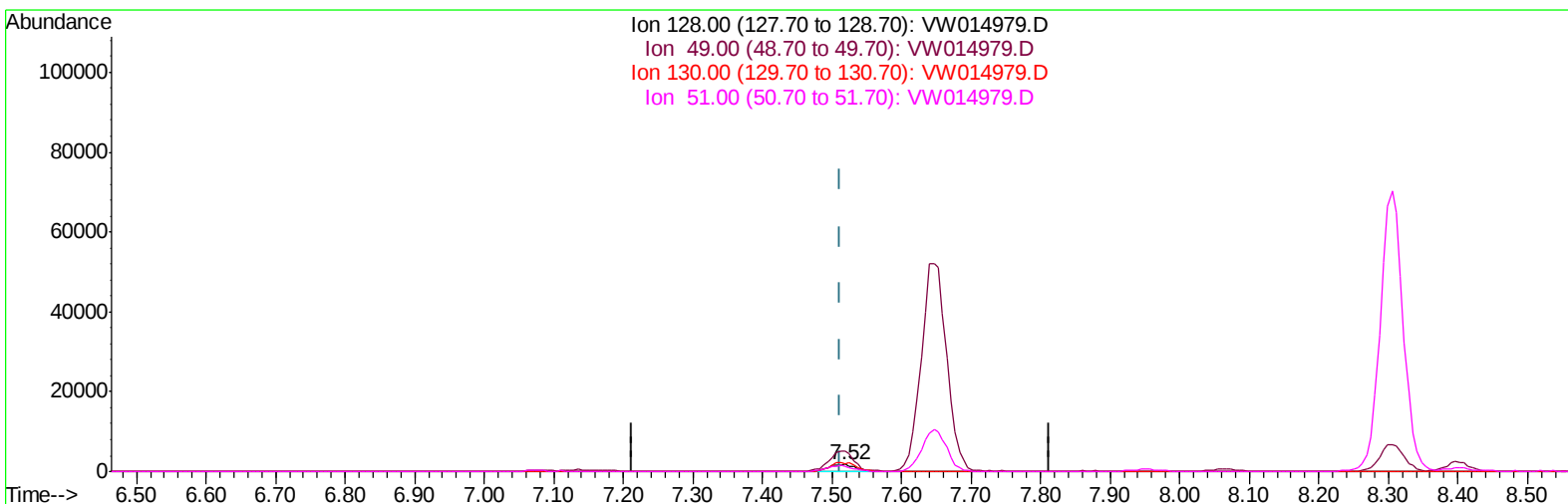
7.513min (-7.513) 0.00ug/L

response 0

Ion	Exp%	Act%
128.00	100	0.00
49.00	255.70	0.00#
130.00	122.10	0.00#
51.00	77.10	0.00#

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:52:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration



TIC: VW014979.D

(23) Bromochloromethane (T)

7.519min (+0.006) 0.99ug/L m

response 4936

Ion	Exp%	Act%
128.00	100	100
49.00	255.70	269.96
130.00	122.10	110.30
51.00	77.10	73.46

Data File : VW014979.D

Acq On : 13 Feb 2020 14:45

Operator : SY/VA

Sample : MDL01

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

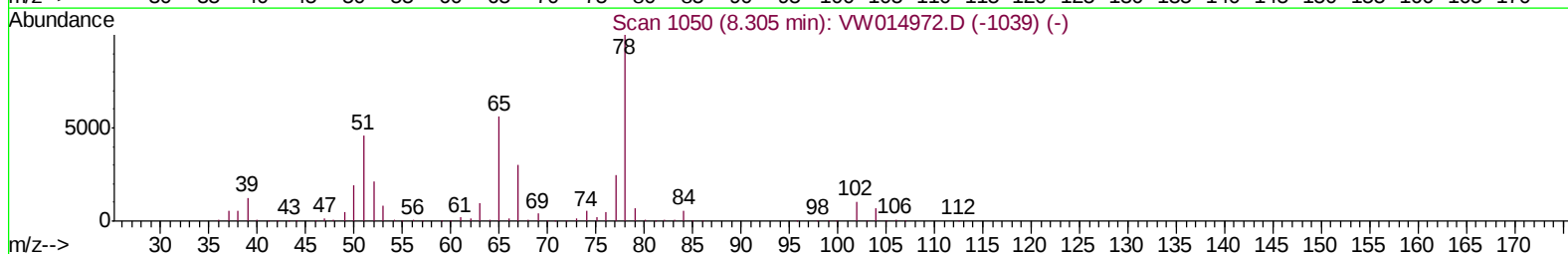
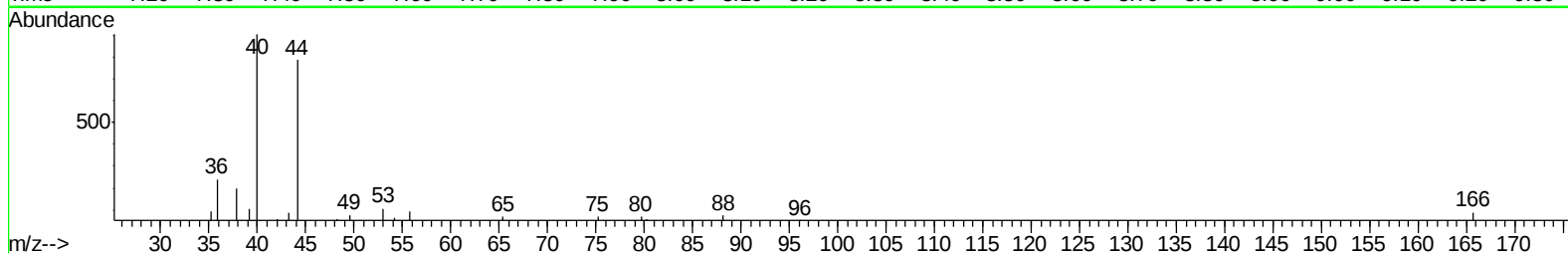
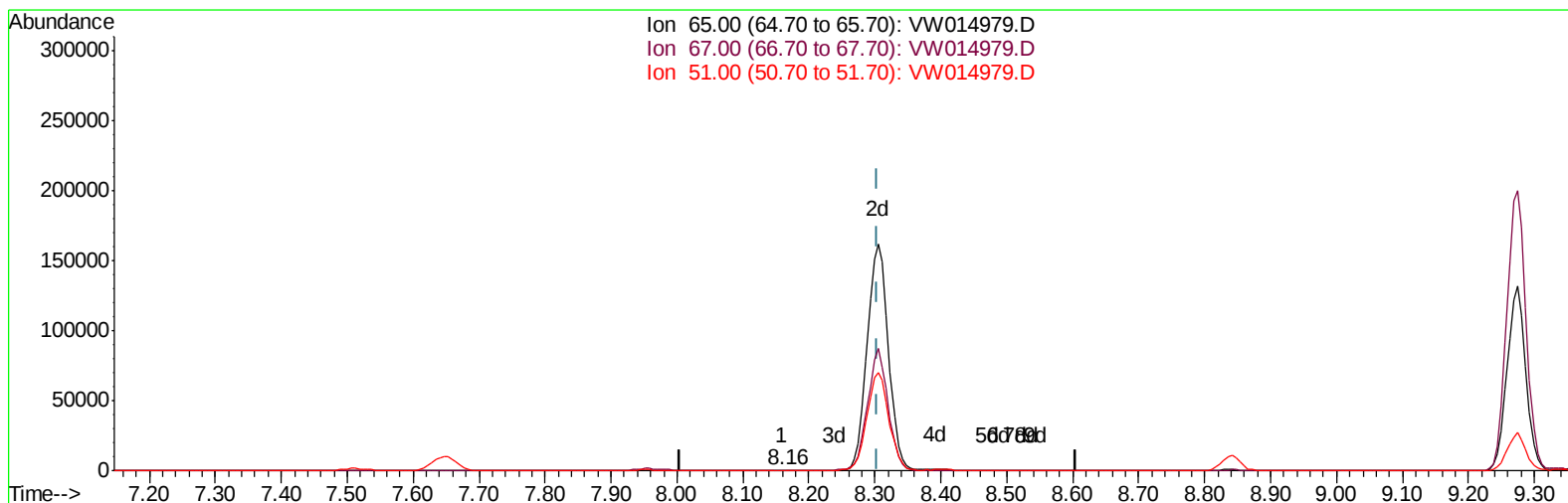
Quant Time: Feb 14 04:52:25 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Fri Feb 14 04:49:34 2020

Response via : Initial Calibration



TIC: VW014979.D

(26) 1,2-Dichloroethane-d4 (S)

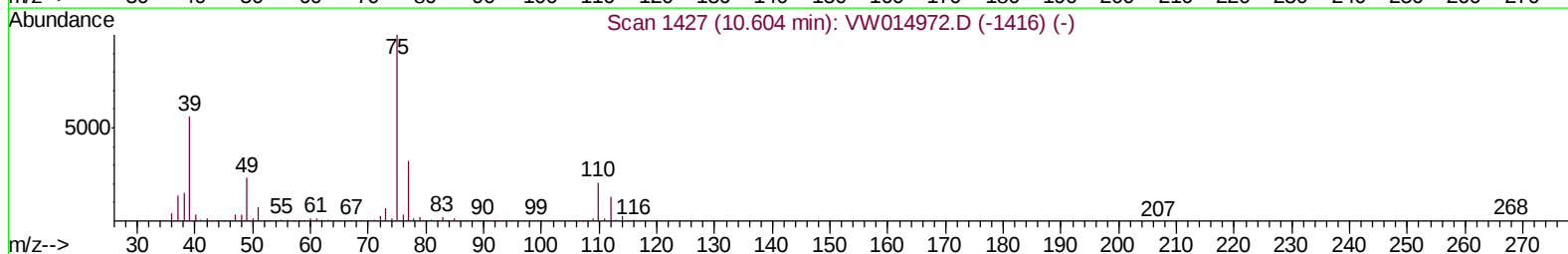
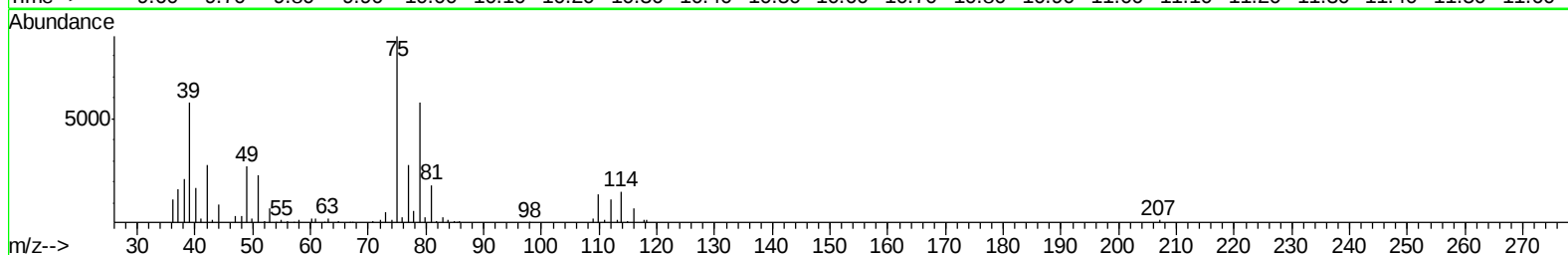
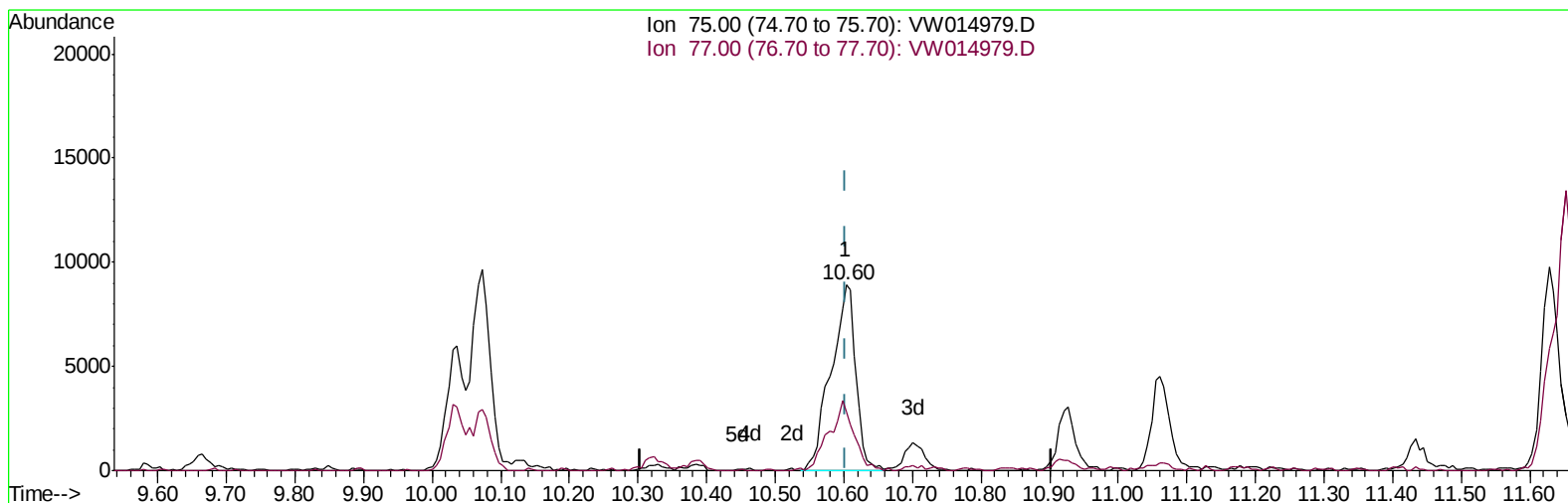
8.159min (-0.146) 0.00ug/L

response 49

Ion	Exp%	Act%
65.00	100	100
67.00	53.30	53.06
51.00	111.50	100.00
0.00	0.00	0.00

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:52:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration



TIC: VW014979.D

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

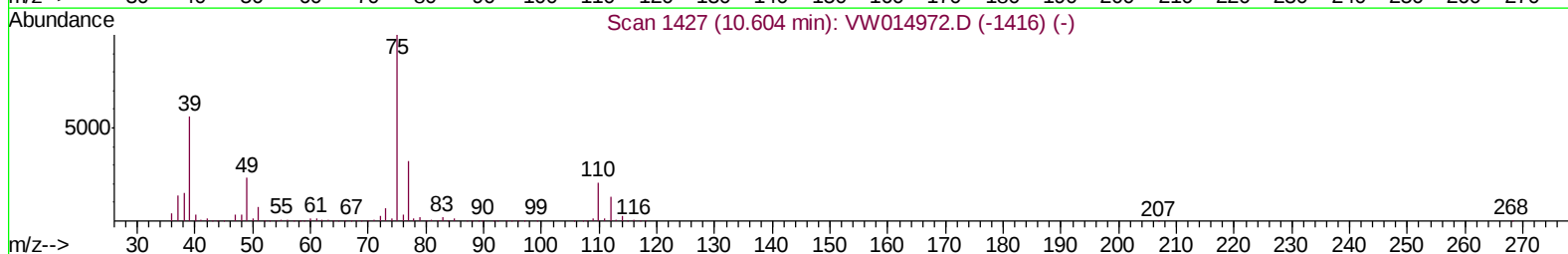
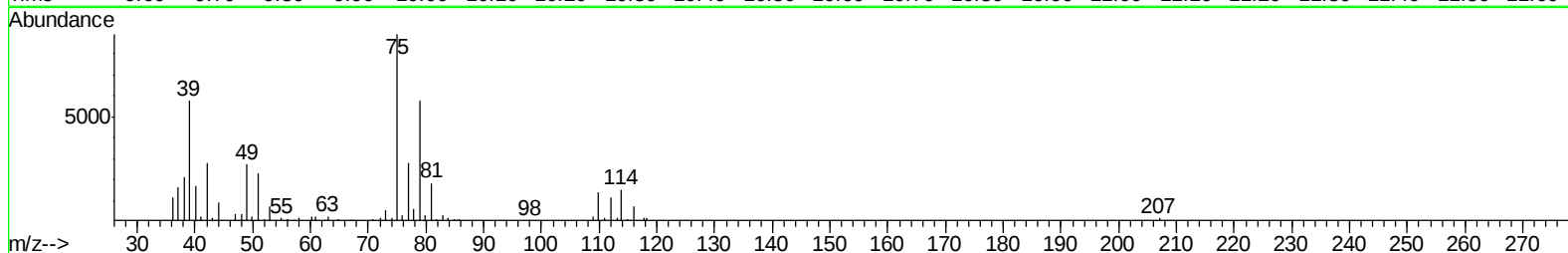
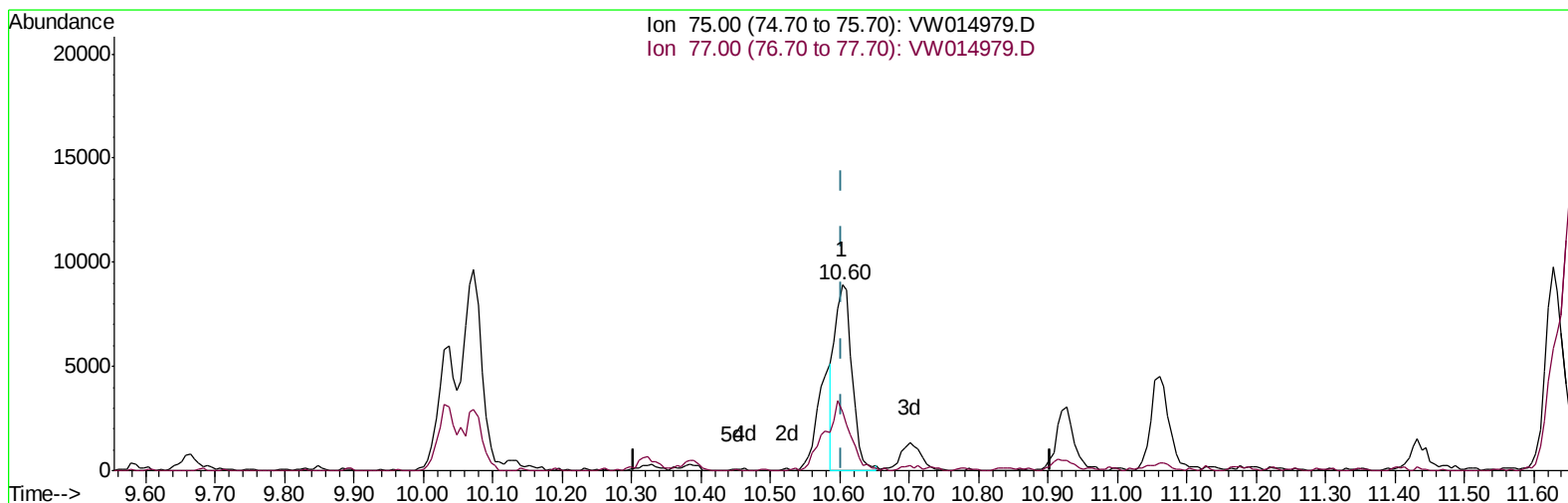
10.604min (-0.000) 1.32ug/L

response 22446

Ion	Exp%	Act%
75.00	100	100
77.00	32.40	31.68
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:52:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration



TIC: VW014979.D

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

10.604min (-0.000) 0.91ug/L m

response 15487

Ion	Exp%	Act%
75.00	100	100
77.00	32.40	31.68
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:54:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	792741	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	745397	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	294953	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	380990	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
7) Chloroethane-d5	2.89	69	283602	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.24%
11) 1,1-Dichloroethene-d2	4.02	63	505867	17.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.64%
21) 2-Butanone-d5	7.07	46	216298	48.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.22%
24) Chloroform-d	7.65	84	577738	22.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.76%
26) 1,2-Dichloroethane-d4	8.31	65	361734m	24.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.88%
32) Benzene-d6	8.27	84	1176307	23.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.68%
36) 1,2-Dichloropropane-d6	9.27	67	406682	23.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.16%
41) Toluene-d8	10.32	98	997205	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.12%
43) trans-1,3-Dichloropropene-	10.58	79	149668	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.24%
47) 2-Hexanone-d5	10.92	63	150506	48.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.96%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	299239	23.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.84%
66) 1,2-Dichlorobenzene-d4	13.85	152	272071	24.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	6842m	0.869	ug/L
3) Chloromethane	2.21	50	14762	0.997	ug/L
5) Vinyl chloride	2.37	62	20757	1.089	ug/L #
6) Bromomethane	2.79	94	7923	0.916	ug/L
8) Chloroethane	2.93	64	9762	0.957	ug/L
9) Trichlorofluoromethane	3.26	101	6498	0.863	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15589m	1.265	ug/L
12) 1,1-Dichloroethene	4.04	96	14806	1.253	ug/L #
13) Acetone	4.12	43	16877	3.633	ug/L
14) Carbon disulfide	4.39	76	38700	0.906	ug/L #
15) Methyl Acetate	4.68	43	6864	0.852	ug/L #
16) Methylene chloride	4.93	84	54776	3.740	ug/L
17) trans-1,2-Dichloroethene	5.42	96	10514	0.882	ug/L
18) Methyl tert-butyl Ether	5.42	73	13044	0.887	ug/L #
19) 1,1-Dichloroethane	6.21	63	24641	0.925	ug/L
20) cis-1,2-Dichloroethene	7.17	96	11558	0.941	ug/L
22) 2-Butanone	7.18	43	19128m	3.426	ug/L

Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 04:54:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4936m	0.990	ug/L	
25) Chloroform	7.68	83	25525	1.076	ug/L	90
27) 1,2-Dichloroethane	8.40	62	17228	0.988	ug/L	99
29) Cyclohexane	7.95	56	18426	0.758	ug/L	95
30) 1,1,1-Trichloroethane	7.87	97	16987	0.937	ug/L	99
31) Carbon tetrachloride	8.06	117	14348	0.878	ug/L	95
33) Benzene	8.32	78	51227	0.936	ug/L	100
34) Trichloroethene	9.09	95	11968	0.913	ug/L	91
35) Methylcyclohexane	9.33	83	18190	0.805	ug/L	93
37) 1,2-Dichloropropane	9.37	63	14097	0.922	ug/L	100
38) Bromodichloromethane	9.64	83	15942	0.926	ug/L	92
39) cis-1,3-Dichloropropene	10.07	75	17319	0.847	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	21210	1.949	ug/L	99
42) Toluene	10.39	91	50956	0.964	ug/L	97
44) trans-1,3-Dichloropropene	10.60	75	15487m	0.913	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	9394	1.013	ug/L	96
46) Tetrachloroethene	10.86	164	8097	0.951	ug/L	92
48) 2-Hexanone	10.96	43	16152	2.037	ug/L	98
49) Dibromochloromethane	11.13	129	8962	0.928	ug/L	88
50) 1,2-Dibromoethane	11.23	107	7840	0.938	ug/L #	95
51) Chlorobenzene	11.66	112	28794	0.923	ug/L	96
52) Ethylbenzene	11.73	91	48907	0.849	ug/L	96
53) m,p-Xylene	11.83	106	15375	0.761	ug/L	98
54) o-Xylene	12.16	106	13936	0.734	ug/L	93
55) Styrene	12.18	104	22325	0.682	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	12768	1.029	ug/L #	97
59) Bromoform	12.35	173	4346	0.964	ug/L #	95
60) Isopropylbenzene	12.46	105	35289	0.764	ug/L	98
61) 1,2,3-Trichloropropane	12.76	75	9021	1.044	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	27603	0.750	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	25674	0.713	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	17528	0.921	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	19726	1.005	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	19112	1.085	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.49	75	2350	1.300	ug/L #	79
69) 1,3,5-Trichlorobenzene	14.63	180	12267	0.962	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	8068	0.844	ug/L	97
71) Naphthalene	15.37	128	6814	0.694	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.55	180	7723	0.872	ug/L	98

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

Data File : VW014979.D

Acq On : 13 Feb 2020 14:45

Operator : SY/VA

Sample : MDL01

Misc : 5.00G/10ML/MSVOA W/SOIL

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ALS Vial      : 1      Sample Multiplier: 1
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Quant Time: Feb 14 04:54:33 2020

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Fri Feb 14 04:49:34 2020

Response via : Initial Calibration

