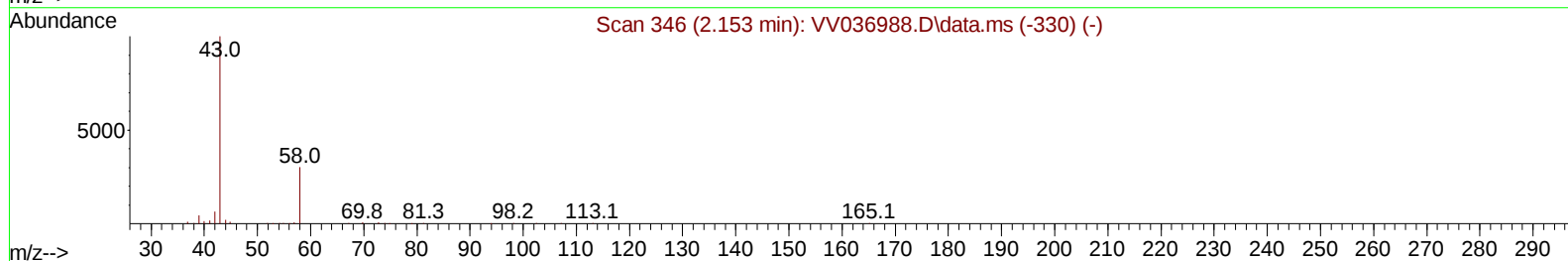
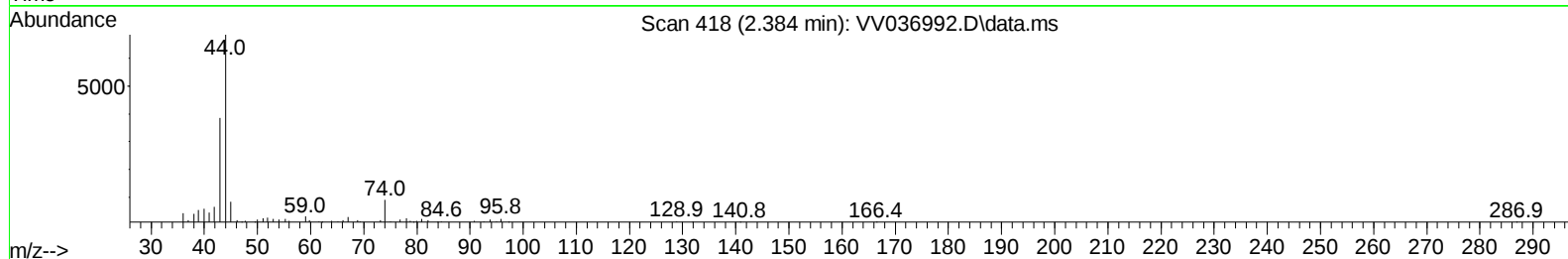
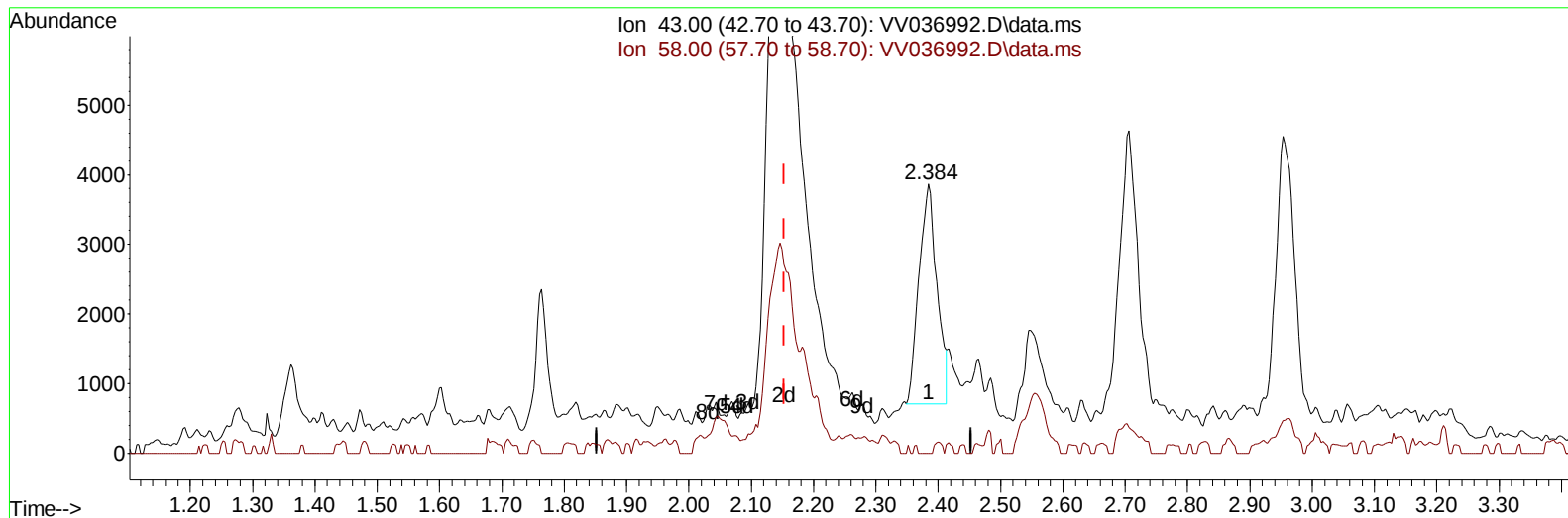


Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(13) Acetone (T)

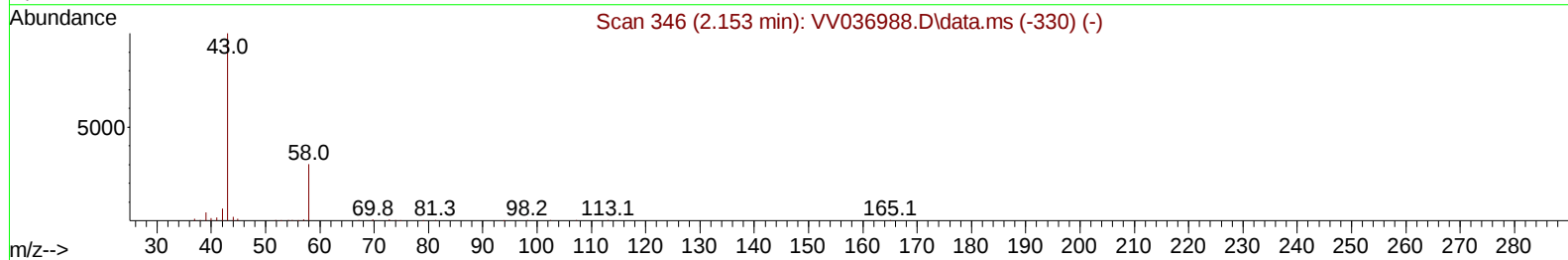
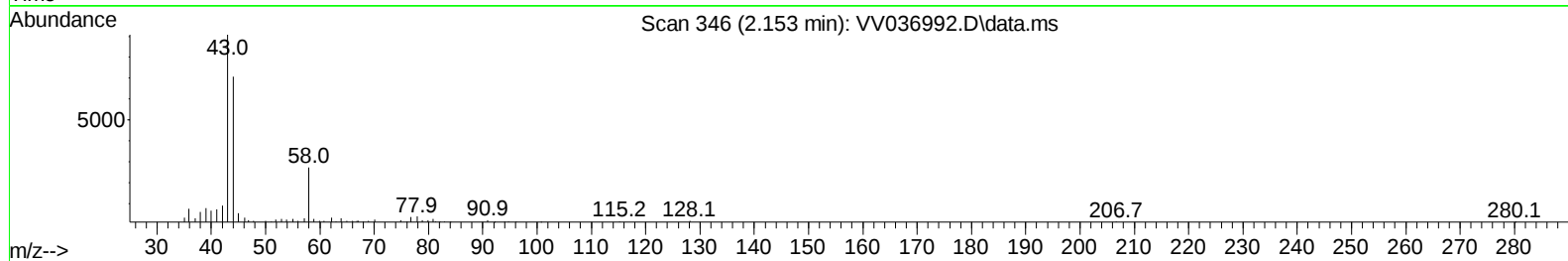
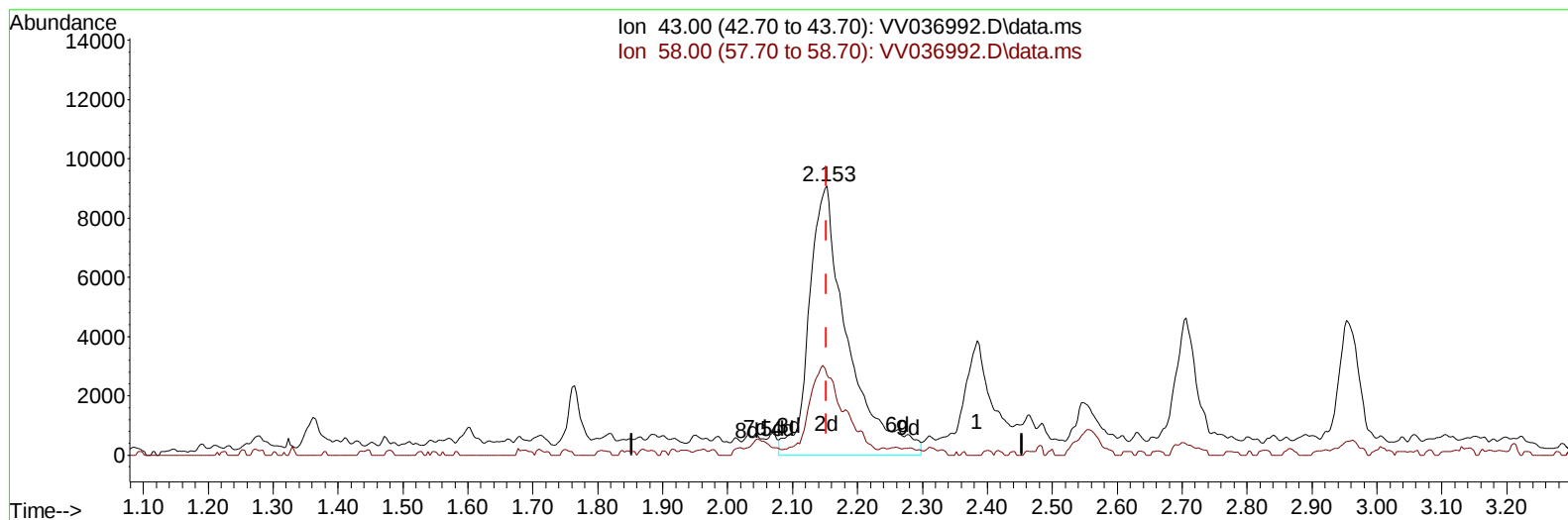
2.384min (+ 0.231) 2.14 ug/L

response 6361

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	9.40	2.04
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082124\
Data File : VW036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(13) Acetone (T)

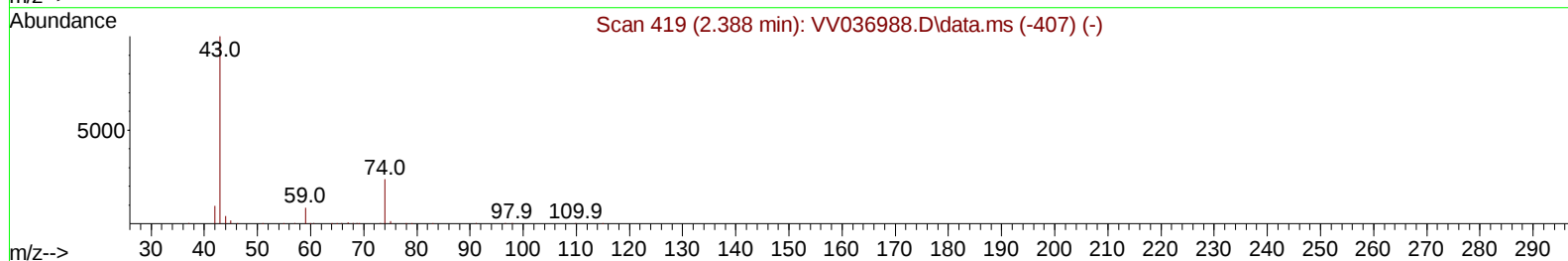
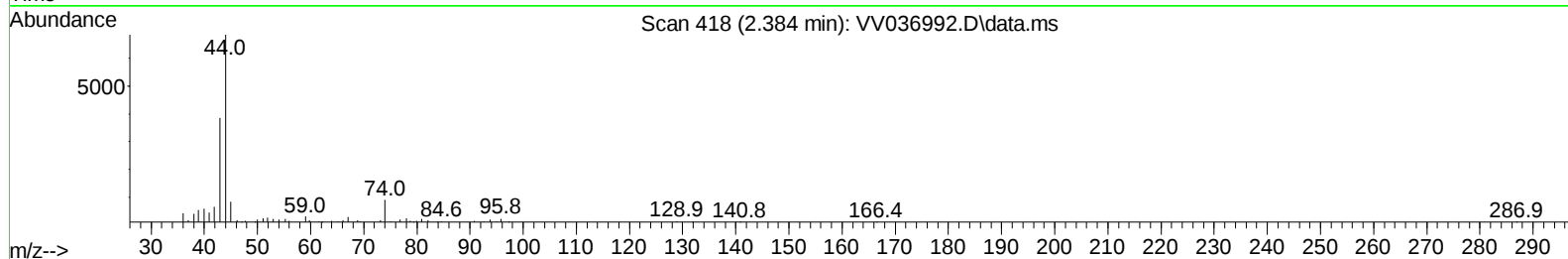
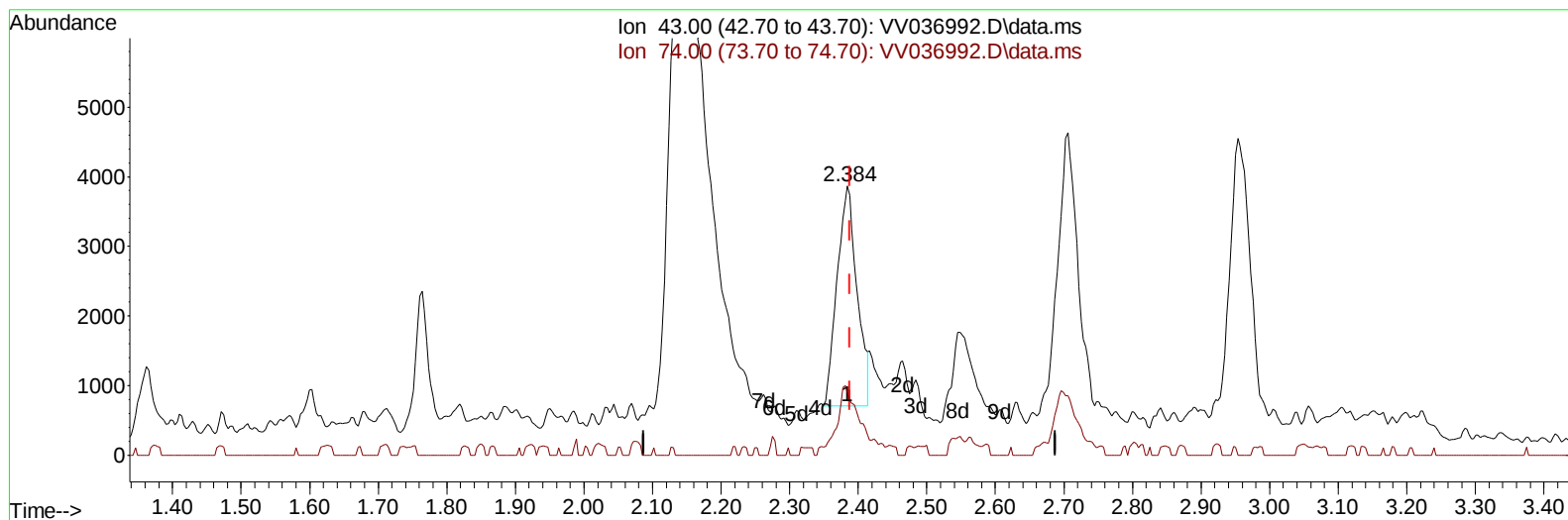
2.153min (-0.000) 12.51 ug/L m

response 37189

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	9.40	0.35
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(15) Methyl Acetate (T)

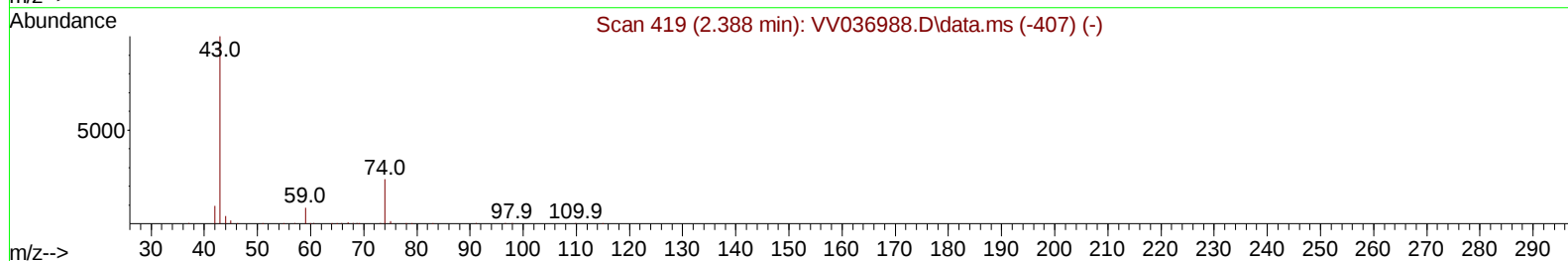
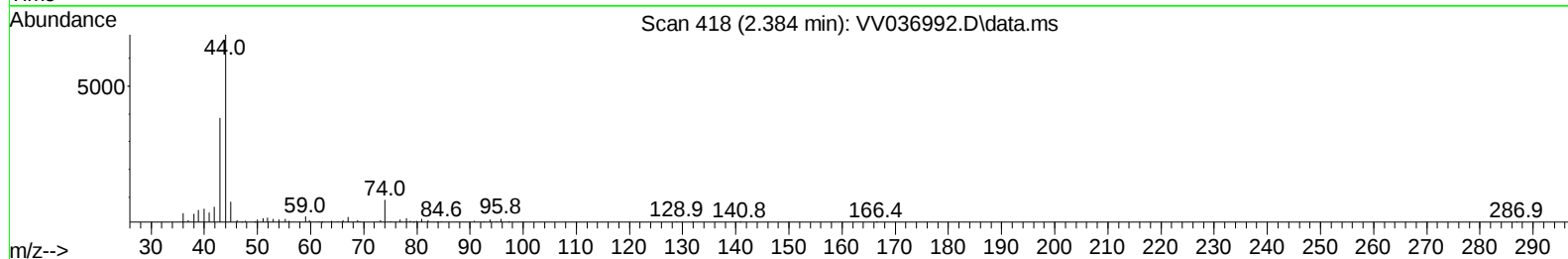
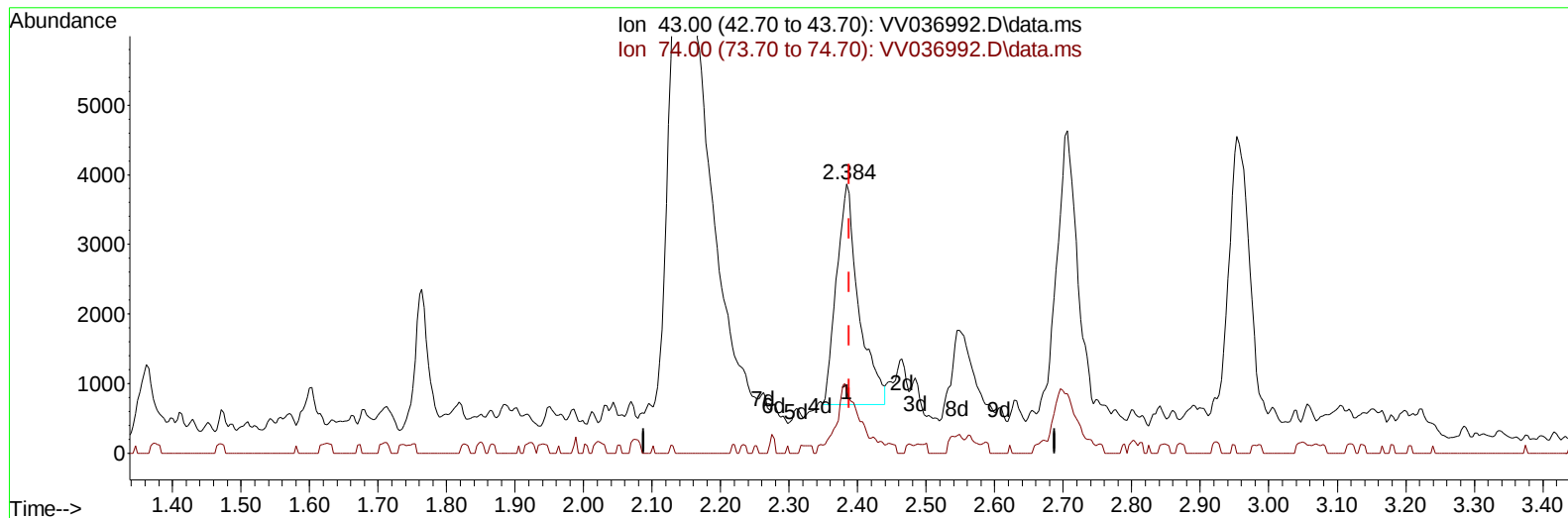
2.384min (-0.003) 1.90 ug/L

response 6361

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	24.70	26.77
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(15) Methyl Acetate (T)

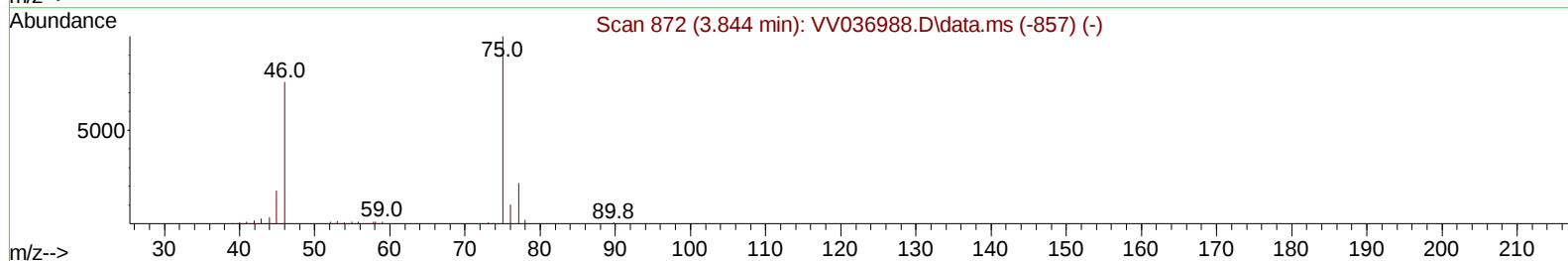
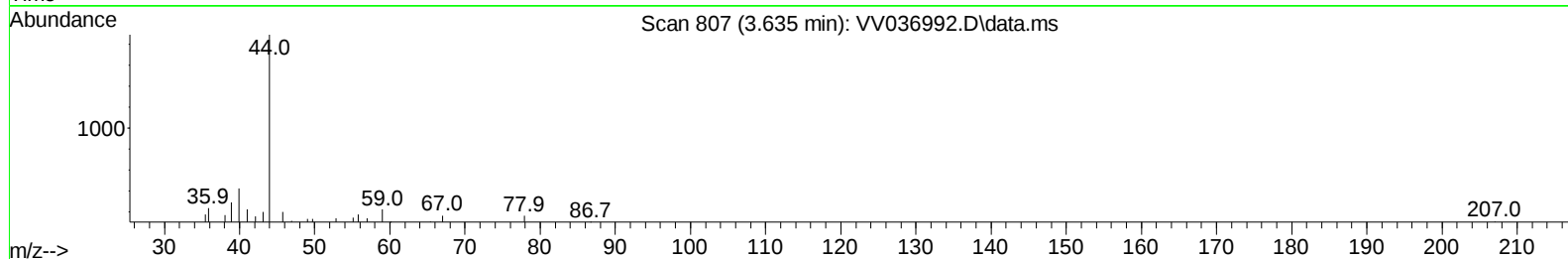
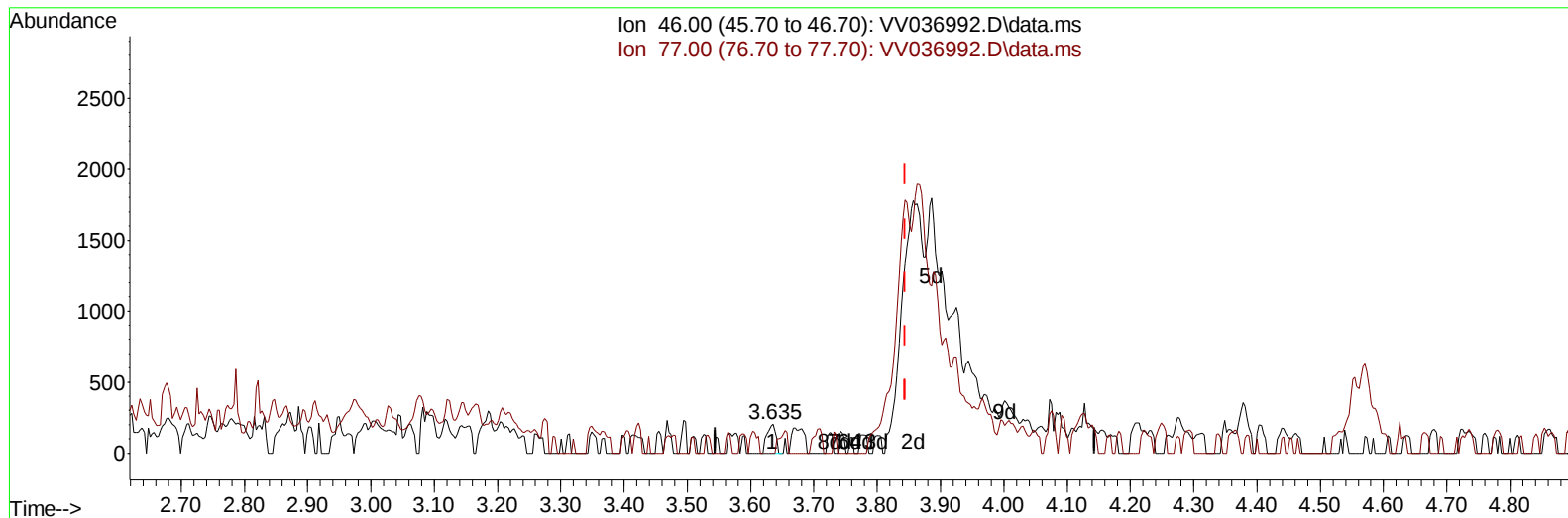
2.384min (-0.003) 2.13 ug/L m

response 7129

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	24.70	23.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(21) 2-Butanone-d5 (S)

3.635min (-0.209) 0.12 ug/L

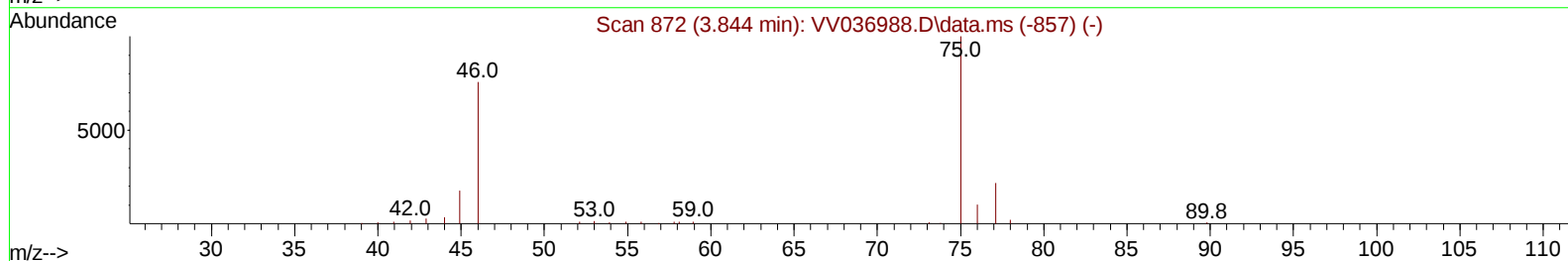
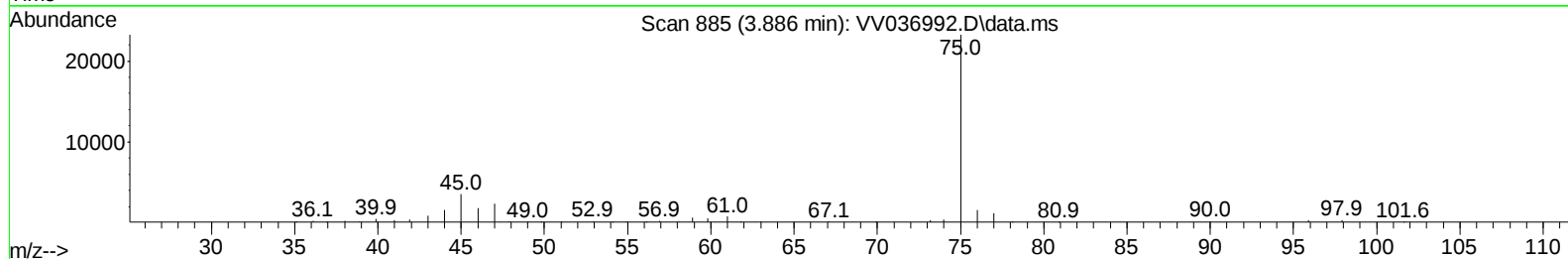
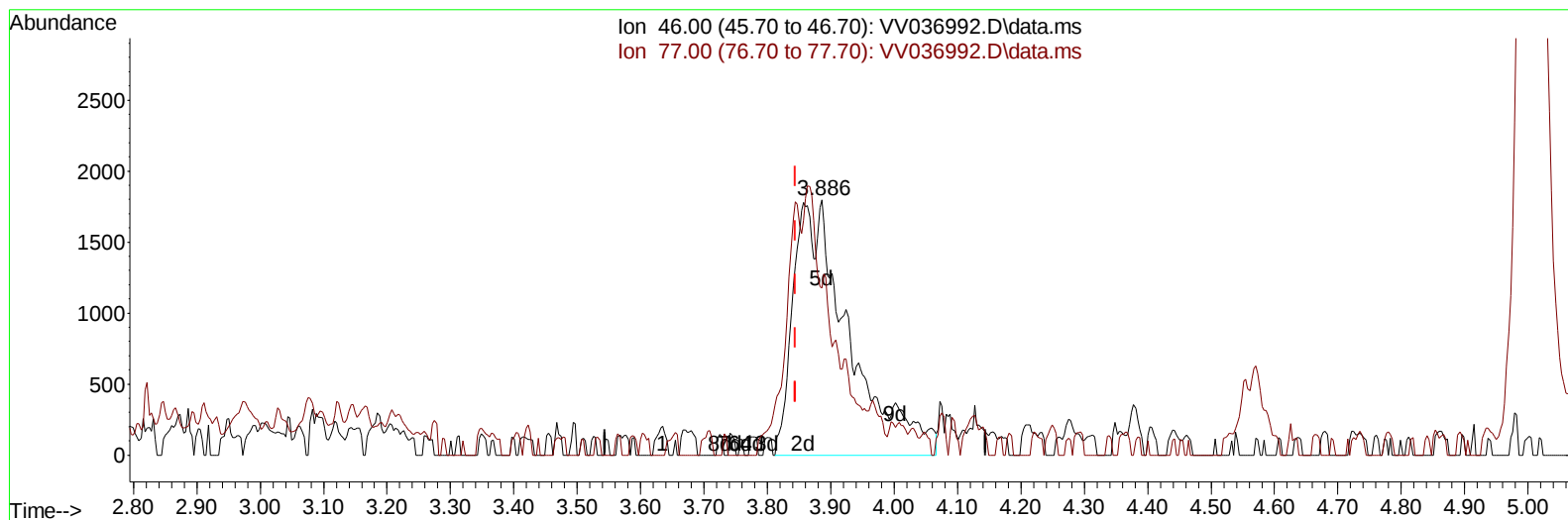
response

201

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	9.90	9.95
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(21) 2-Butanone-d5 (S)

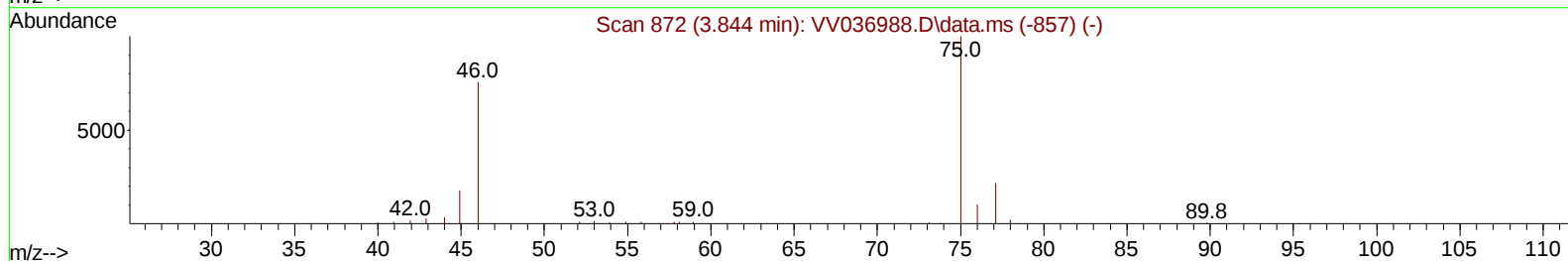
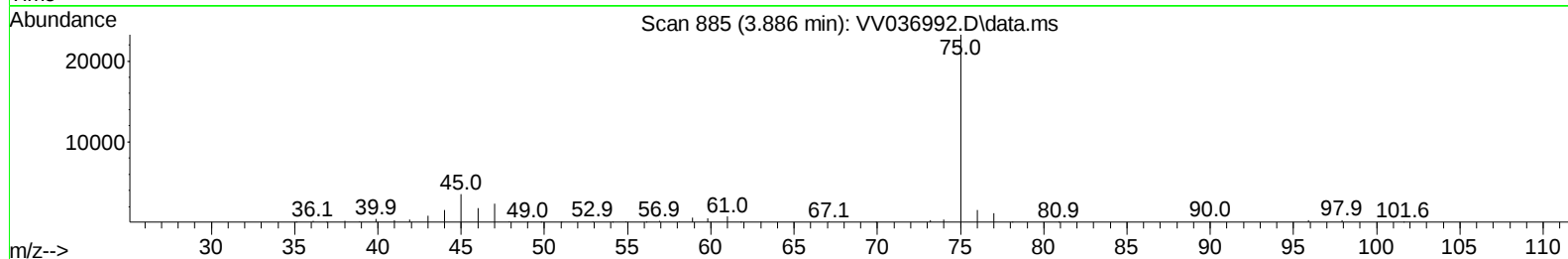
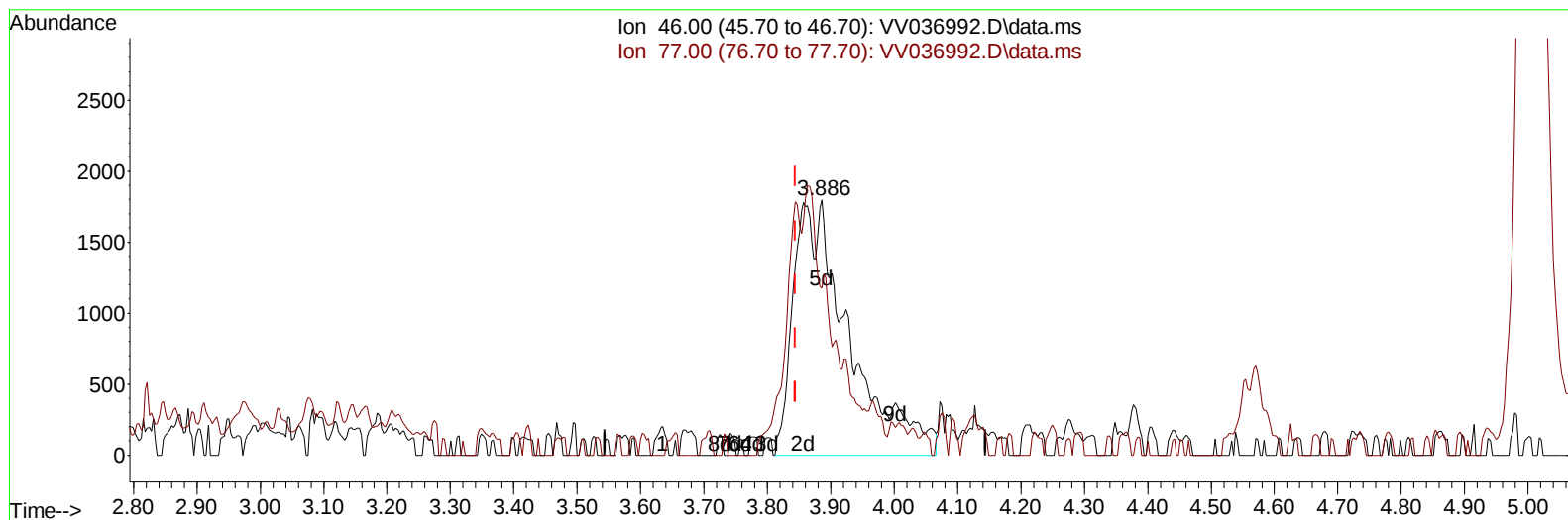
3.886min (+ 0.042) 6.58 ug/L m

response 10946

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	9.90	0.18#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(21) 2-Butanone-d5 (S)

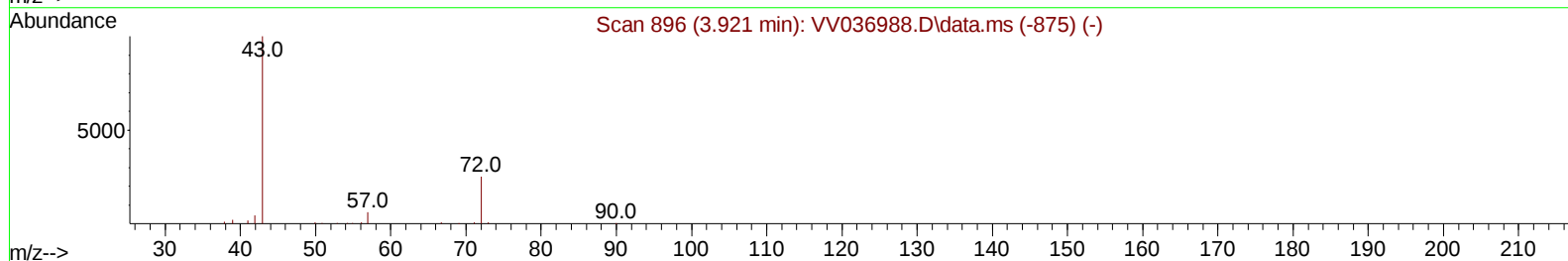
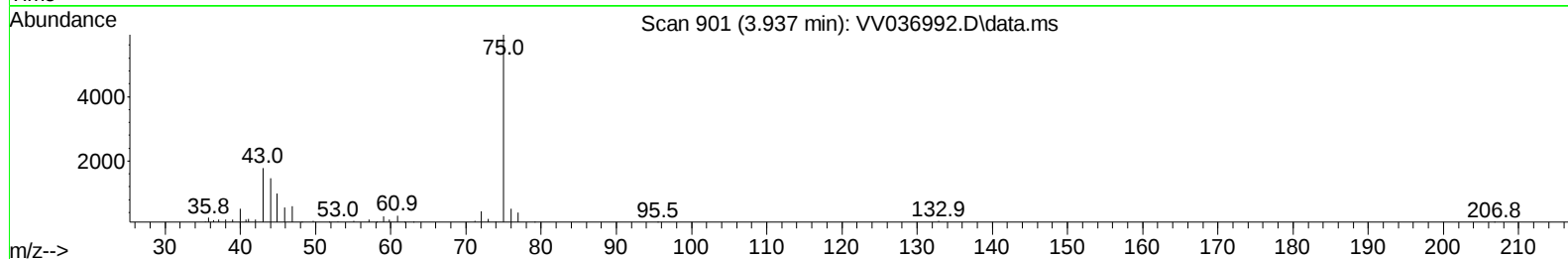
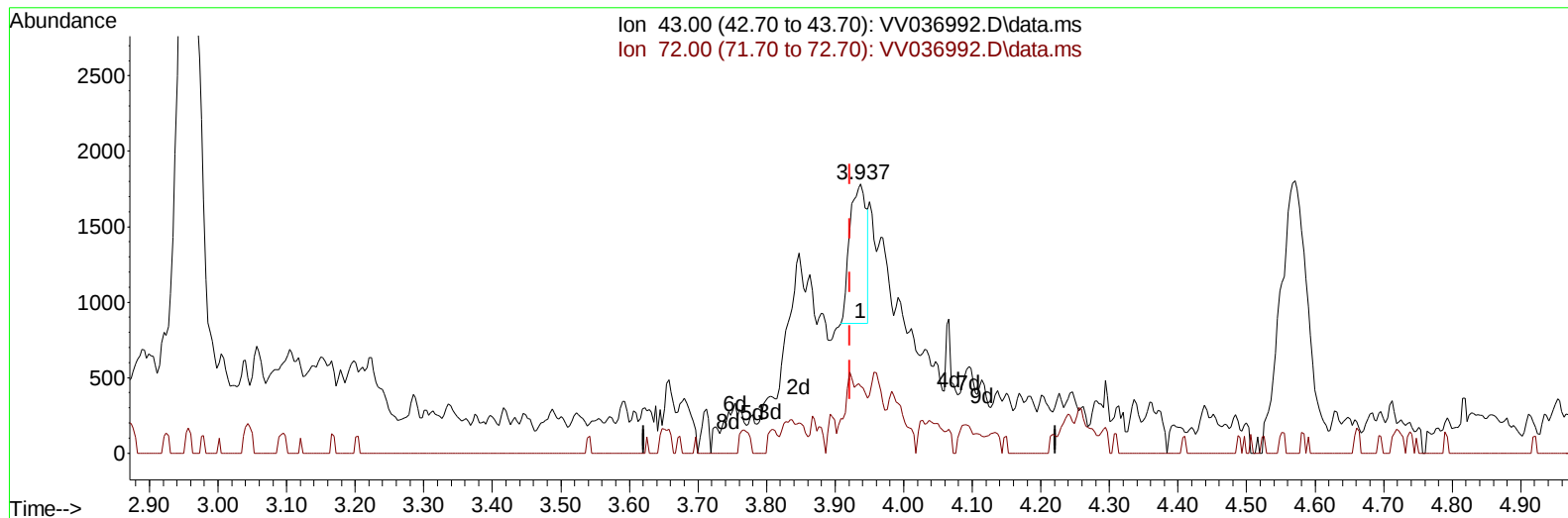
3.886min (+ 0.042) 6.58 ug/L m

response 10946

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	9.90	0.18#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(22) 2-Butanone (T)

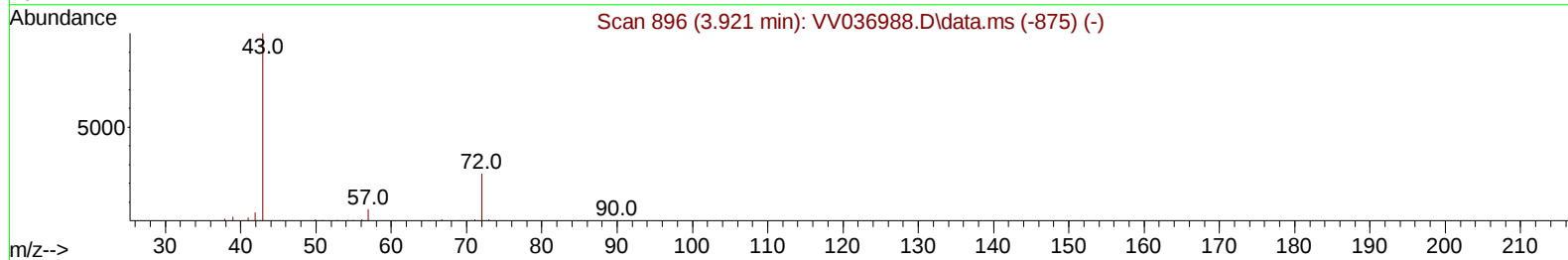
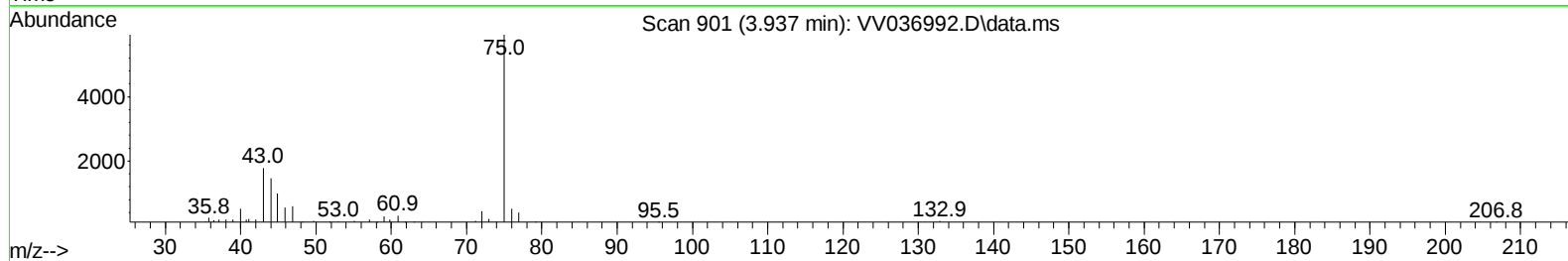
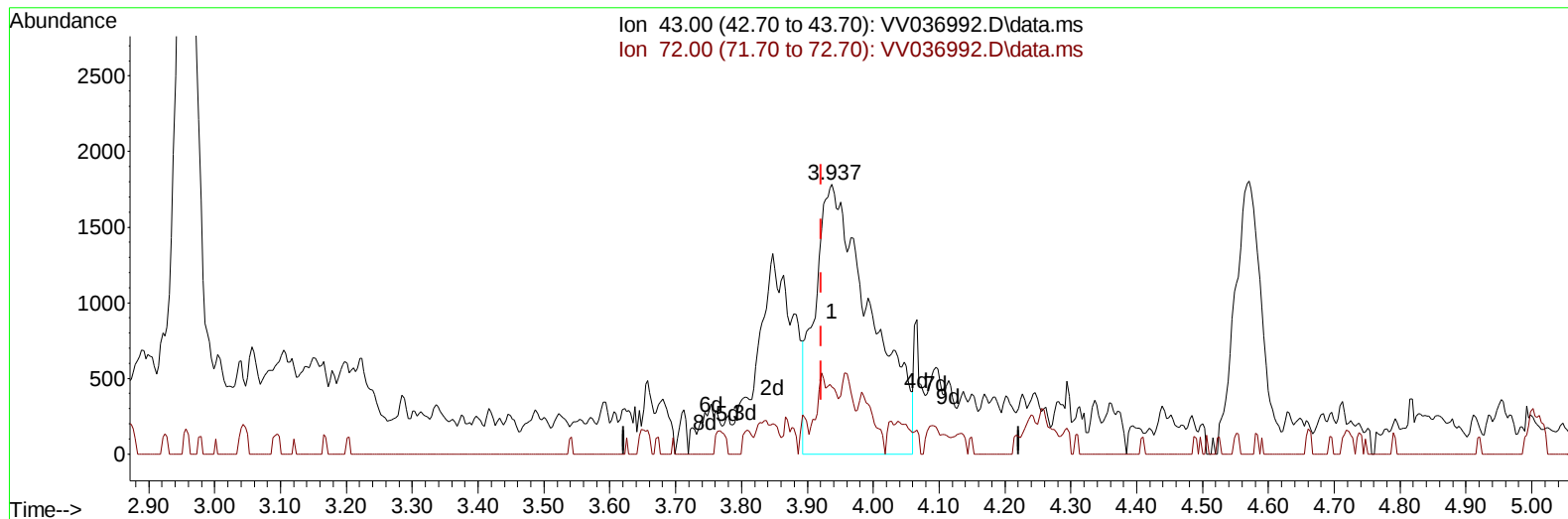
3.937min (+ 0.016) 0.70 ug/L

response 1537

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	0.00	22.25#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(22) 2-Butanone (T)

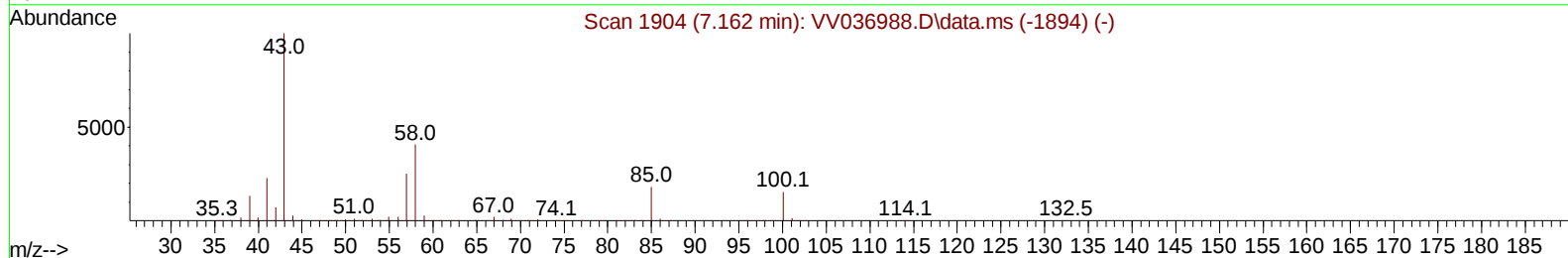
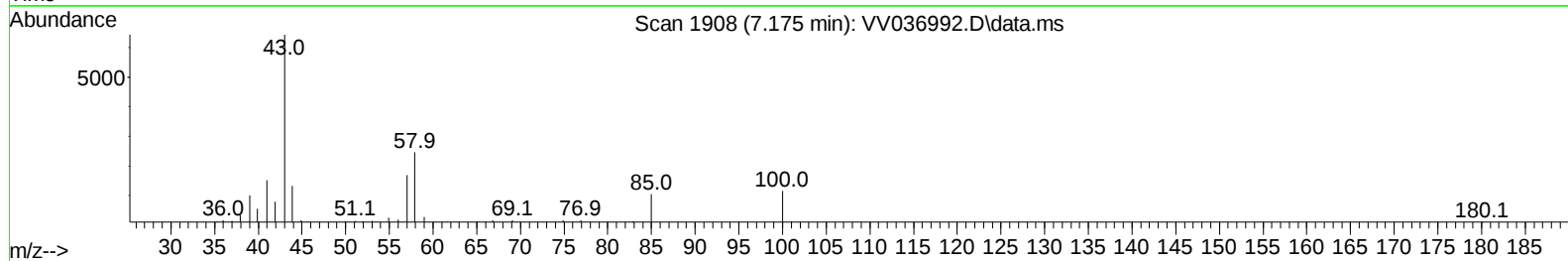
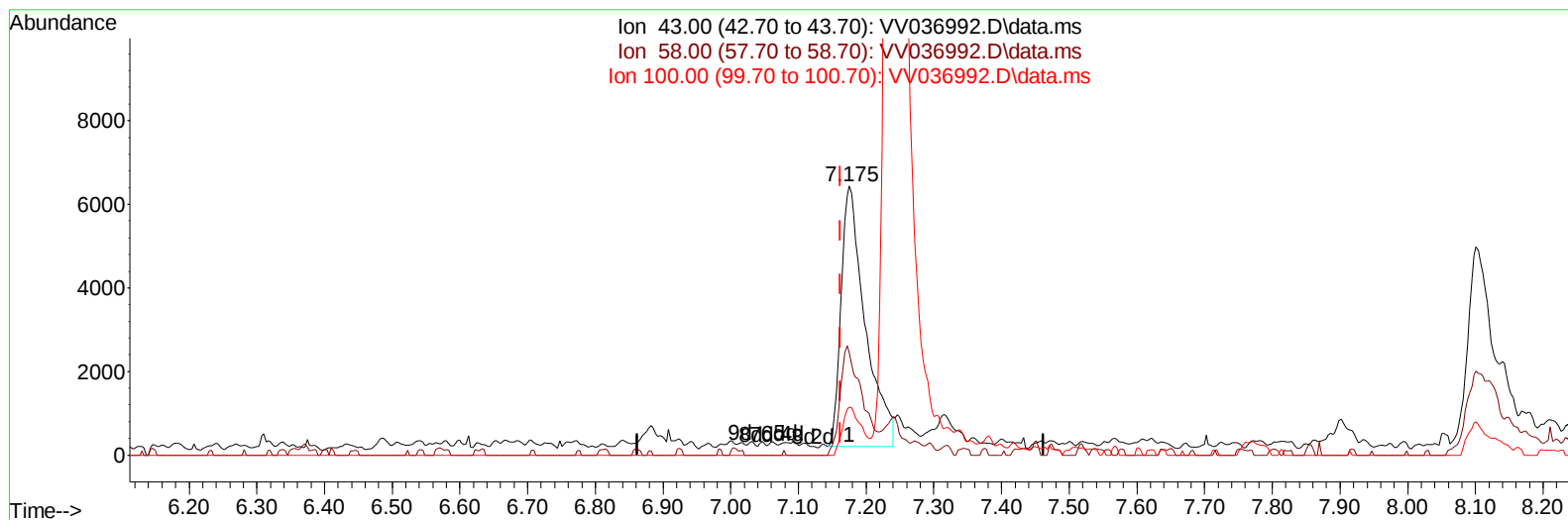
3.937min (+ 0.016) 4.80 ug/L m

response 10503

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	0.00	3.26#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(40) 4-Methyl-2-pentanone (T)

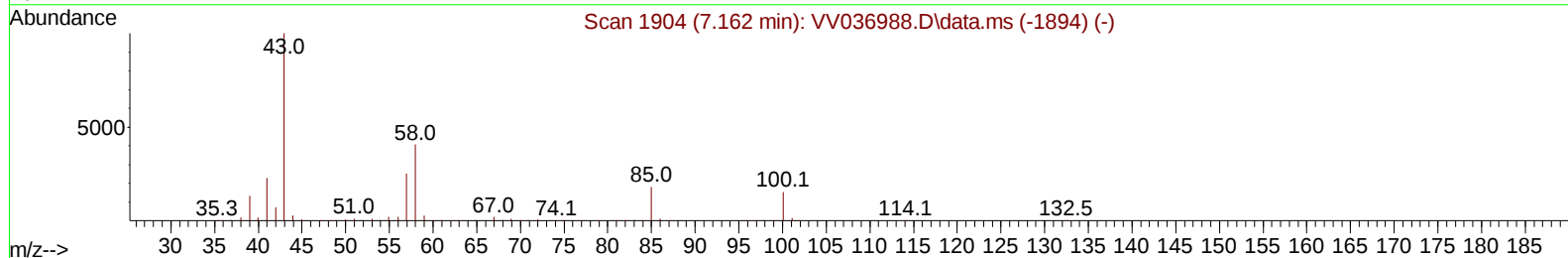
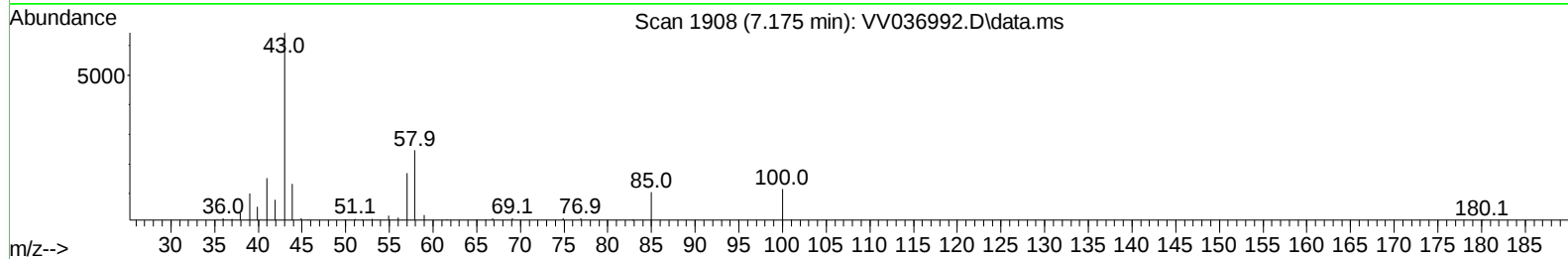
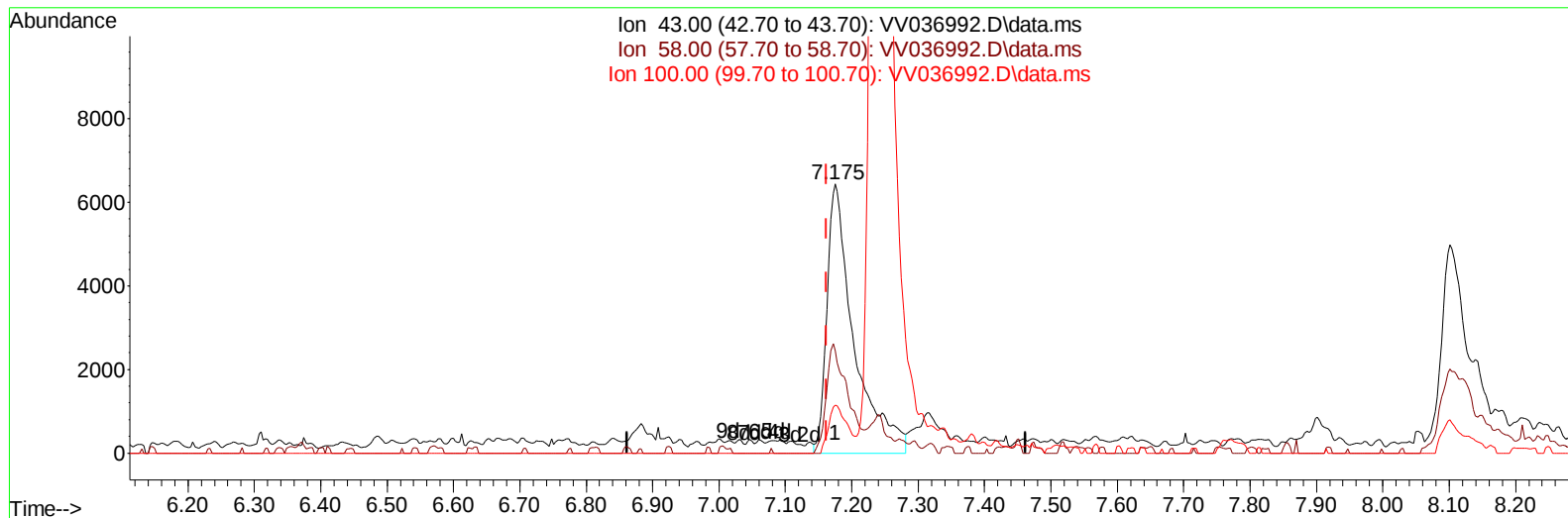
7.175min (+ 0.013) 3.81 ug/L

response 15355

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	39.40	38.51
100.00	15.50	14.30
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(40) 4-Methyl-2-pentanone (T)

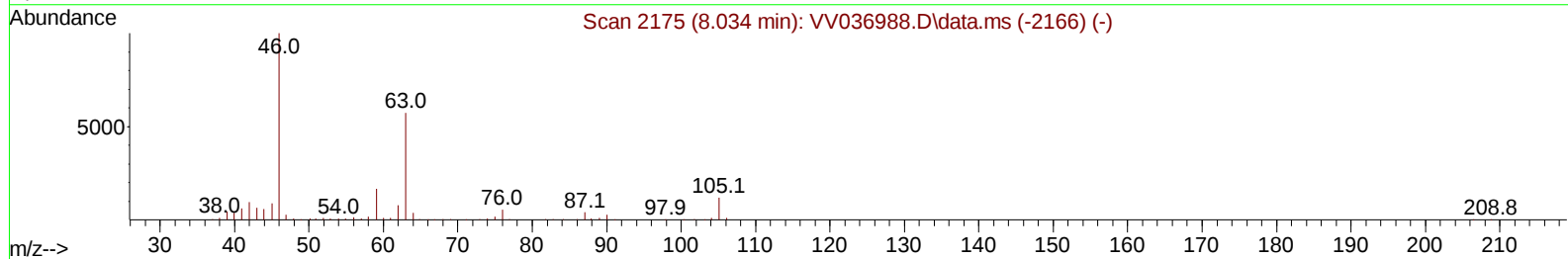
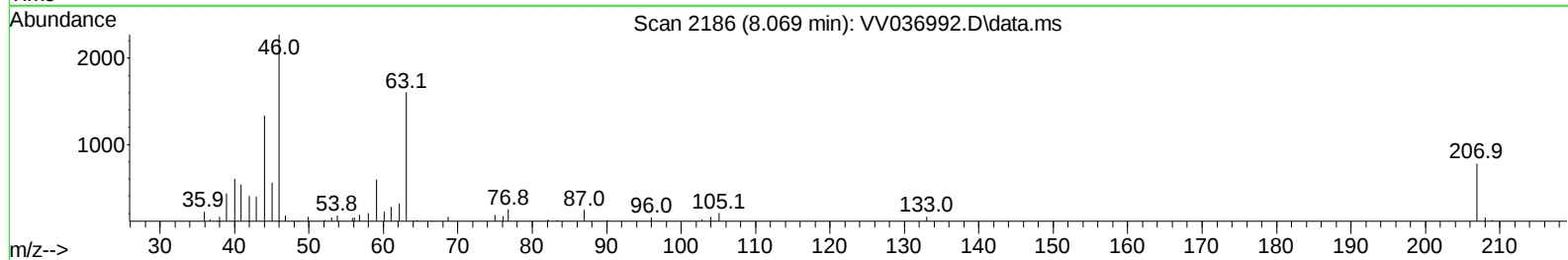
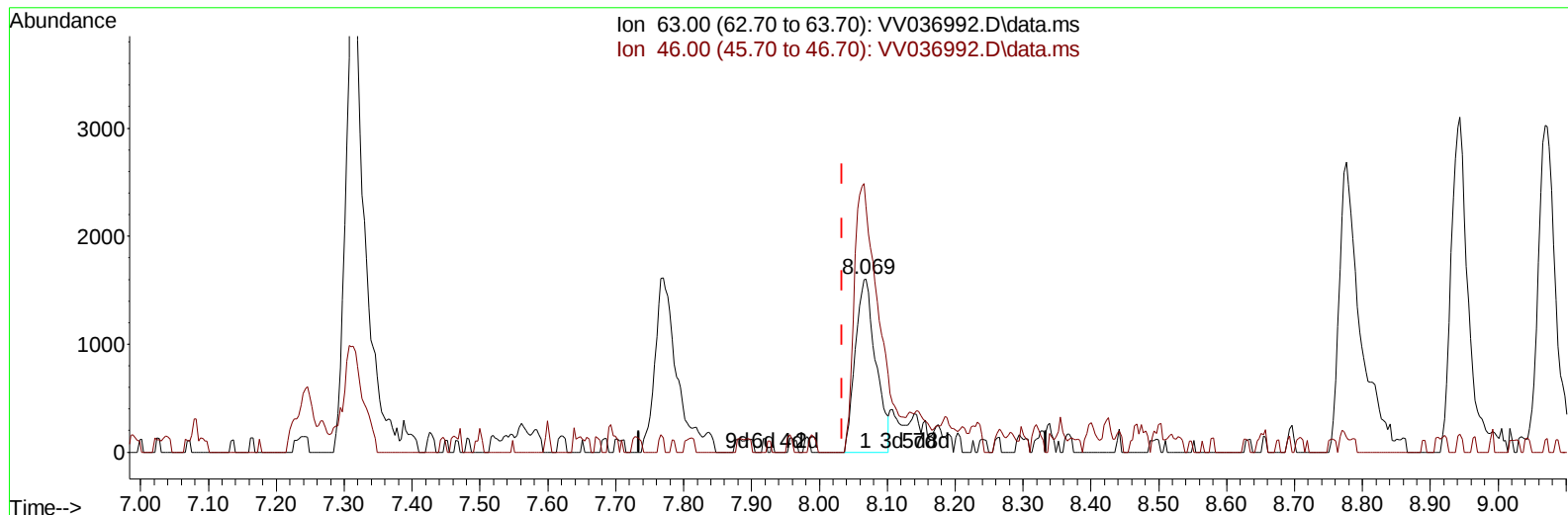
7.175min (+ 0.013) 4.53 ug/L m

response 18220

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	39.40	32.45
100.00	15.50	12.05#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(47) 2-Hexanone-d5 (S)

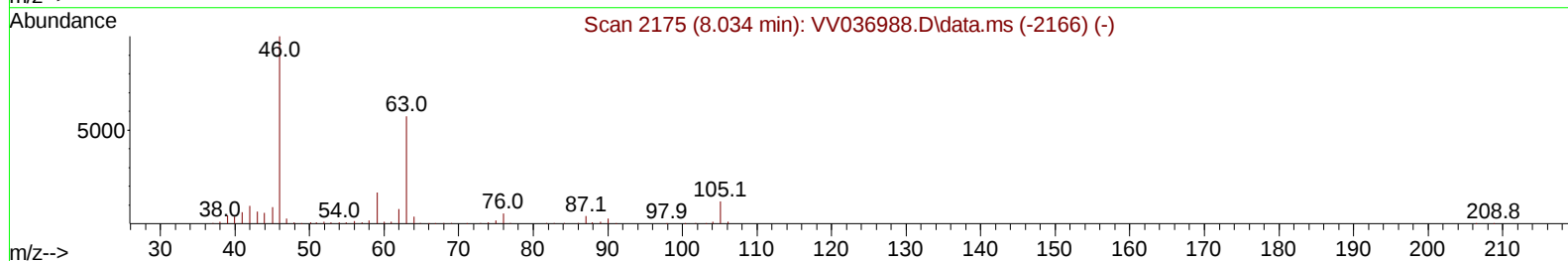
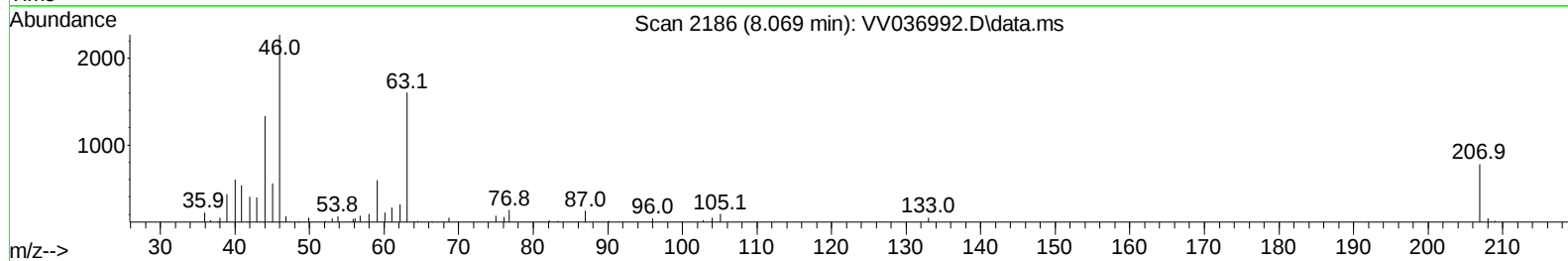
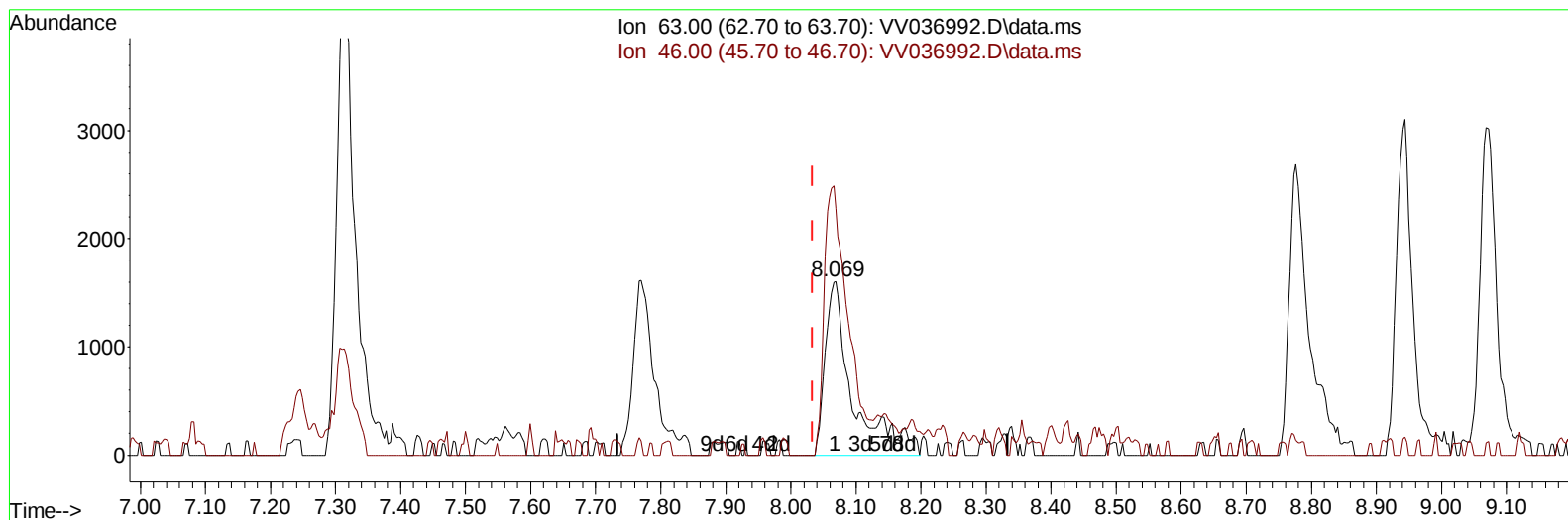
8.069min (+ 0.035) 3.42 ug/L

response 3363

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	175.90	188.17
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(47) 2-Hexanone-d5 (S)

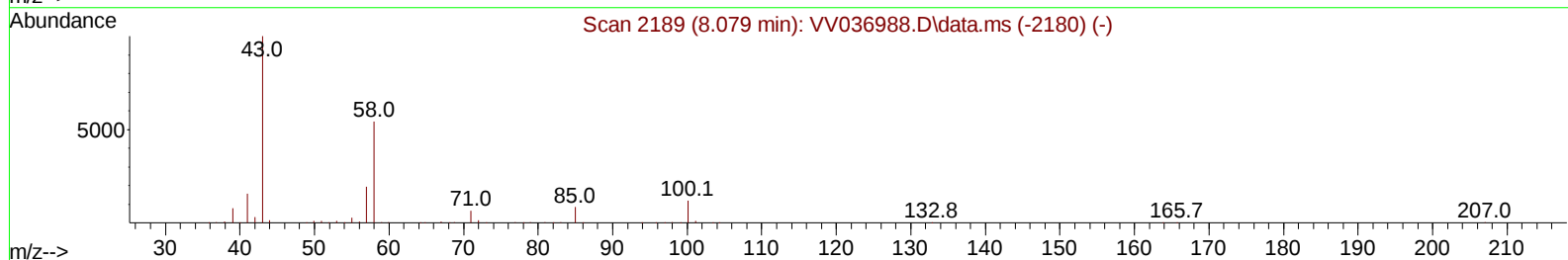
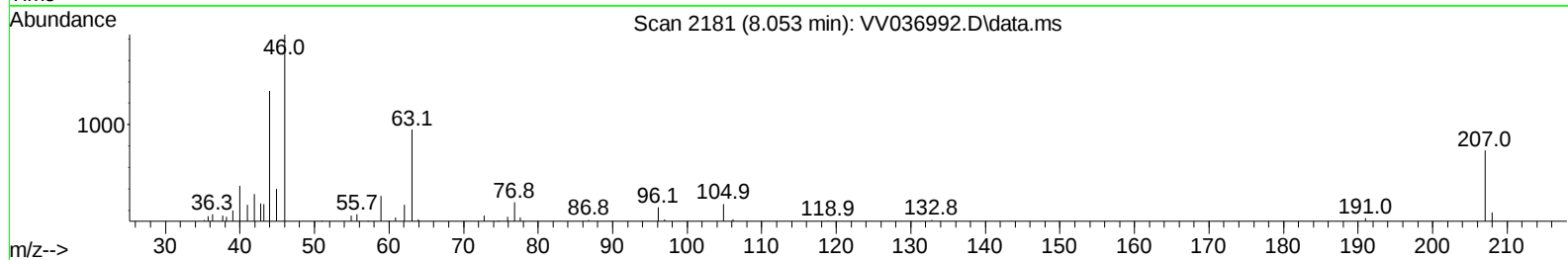
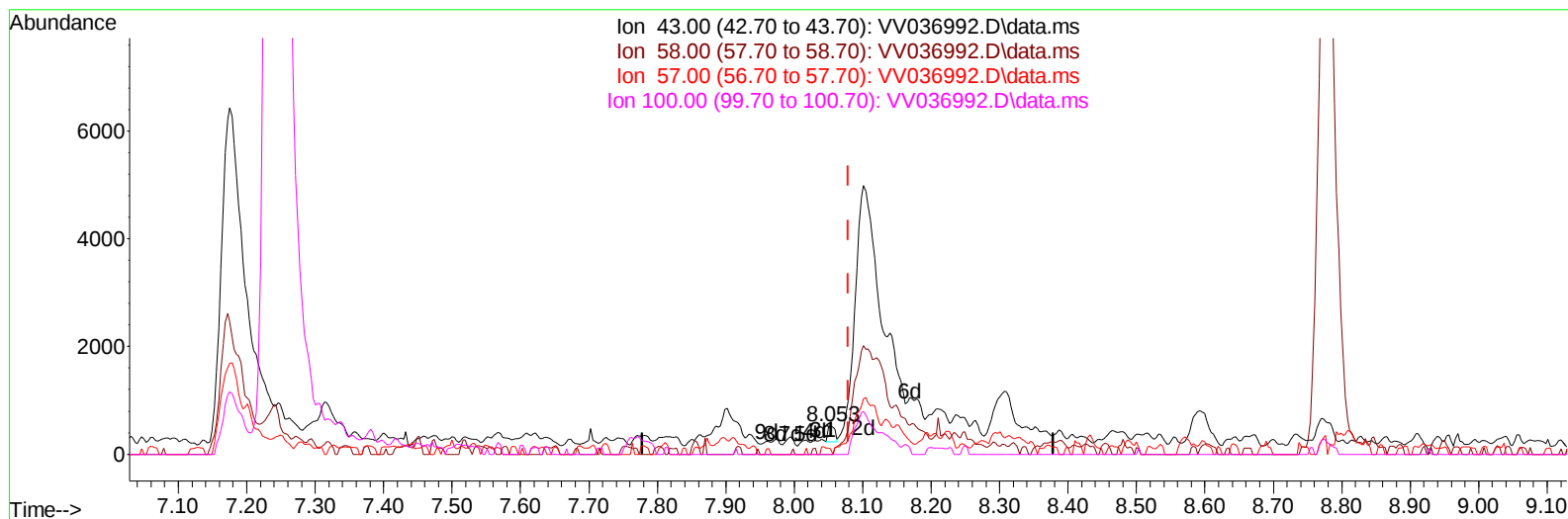
8.069min (+ 0.035) 4.80 ug/L m

response 4726

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	175.90	133.90
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(48) 2-Hexanone (T)

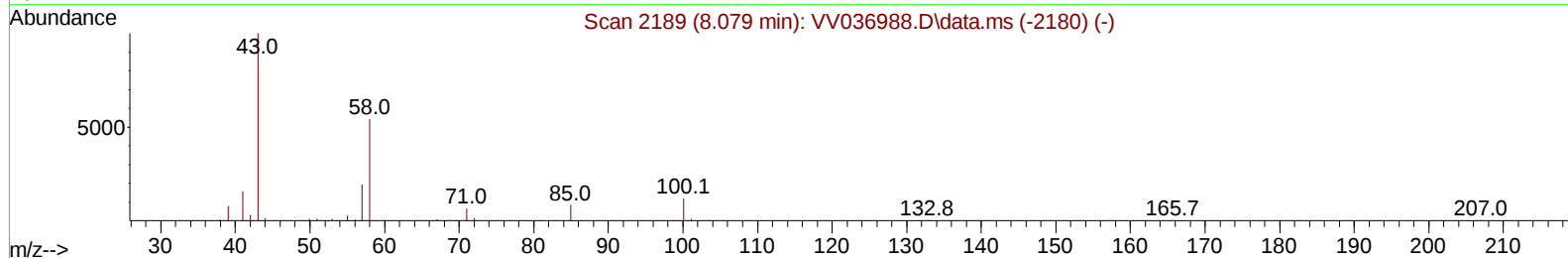
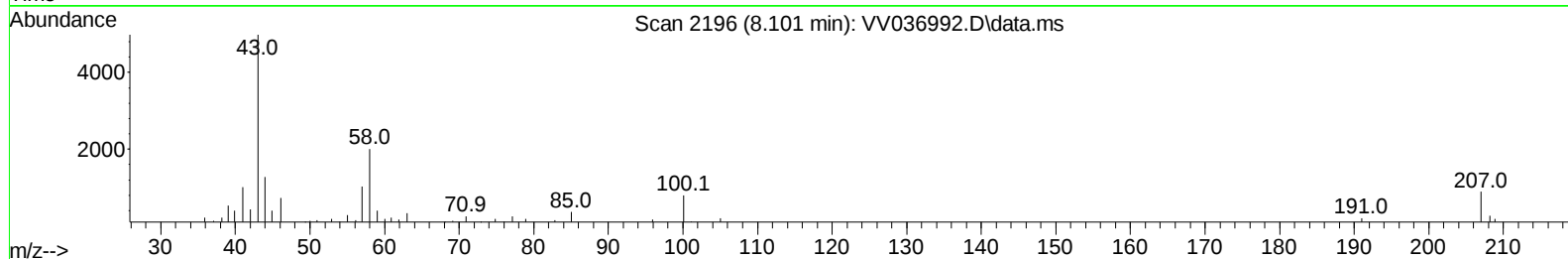
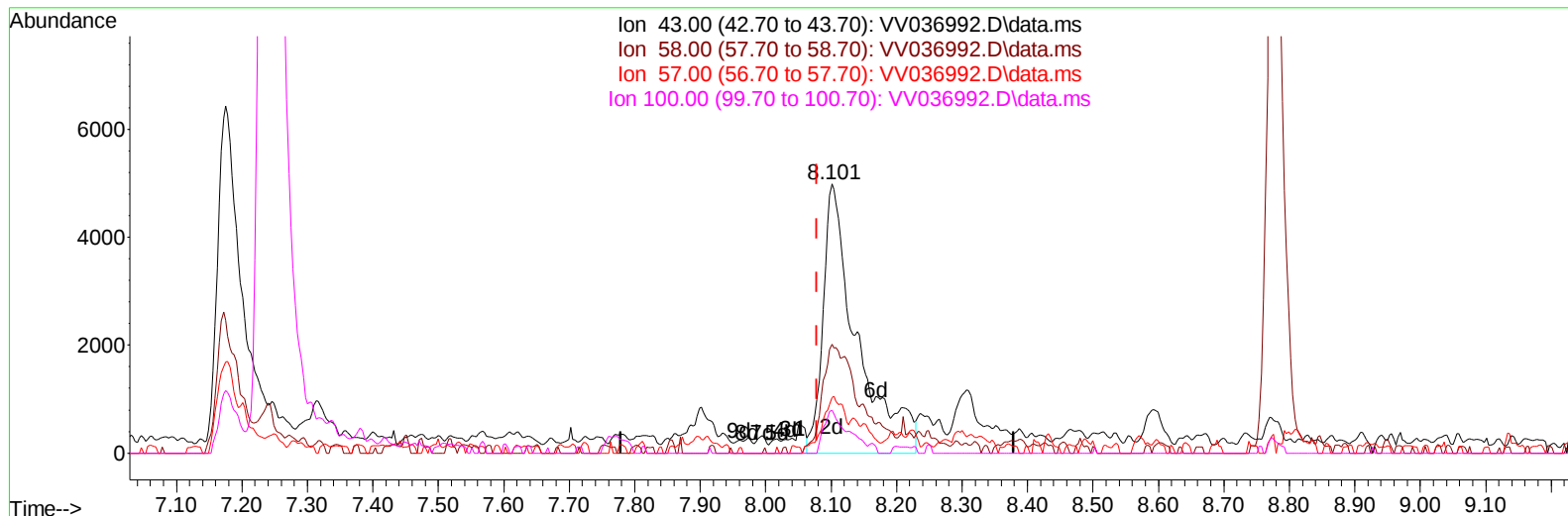
8.053min (-0.026) 0.07 ug/L

response 214

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	56.30	0.00#
57.00	16.60	35.51#
100.00	11.40	0.00#

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
Data File : VV036992.D
Acq On : 21 Aug 2024 14:37
Operator : SY/MD
Sample : VSTD02.556
Misc : 5.00mL/10mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 00:59:57 2024
Response via : Initial Calibration



TIC: VV036992.D\data.ms

(48) 2-Hexanone (T)

8.101min (+ 0.022) 5.91 ug/L m

response 17935

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	56.30	0.00#
57.00	16.60	0.42#
100.00	11.40	0.00#

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
 Data File : VV036992.D
 Acq On : 21 Aug 2024 14:37
 Operator : SY/MD
 Sample : VSTD02.556
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 01:04:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	681143	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	613134	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	276708	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	33058	2.985	ug/L	0.00
7) Chloroethane-d5	1.532	69	26647	2.946	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	16320	3.341	ug/L	0.00
21) 2-Butanone-d5	3.886	46	10946m	6.575	ug/L	0.04
24) Chloroform-d	4.243	84	55845	2.762	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	23991	2.600	ug/L	0.00
32) Benzene-d6	4.953	84	114971	2.970	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	33617	2.931	ug/L	0.00
41) Toluene-d8	7.239	98	100731	2.868	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	10651	2.621	ug/L	0.00
47) 2-Hexanone-d5	8.069	63	4726m	4.805	ug/L	0.04
56) 1,1,2,2-Tetrachloroeth...	10.149	84	15680	2.456	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	30787	2.990	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	31443	3.044	ug/L	98
3) Chloromethane	1.217	50	33246	2.661	ug/L	100
5) Vinyl chloride	1.281	62	31669	2.627	ug/L	96
6) Bromomethane	1.487	94	20751	2.656	ug/L	98
8) Chloroethane	1.548	64	18669	2.434	ug/L	99
9) Trichlorofluoromethane	1.712	101	40926	2.658	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	24828	2.613	ug/L	100
12) 1,1-Dichloroethene	2.066	96	23862	2.616	ug/L	92
13) Acetone	2.153	43	37189m	12.509	ug/L	
14) Carbon disulfide	2.236	76	81710	2.661	ug/L	100
15) Methyl Acetate	2.384	43	7129m	2.131	ug/L	
16) Methylene chloride	2.439	84	61380	4.105	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	25125	2.459	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	43270	2.062	ug/L	100
19) 1,1-Dichloroethane	3.101	63	48604	2.498	ug/L	97
20) cis-1,2-Dichloroethene	3.809	96	26937	2.442	ug/L	96
22) 2-Butanone	3.937	43	10503m	4.796	ug/L	
23) Bromochloromethane	4.140	128	9961	2.292	ug/L	94
25) Chloroform	4.272	83	47113	2.419	ug/L	100
27) 1,2-Dichloroethane	5.043	62	23449	2.203	ug/L	96
29) Cyclohexane	4.567	56	40745	2.659	ug/L	98
30) 1,1,1-Trichloroethane	4.500	97	39698	2.617	ug/L	99
31) Carbon tetrachloride	4.722	117	32478	2.580	ug/L	100
33) Benzene	5.002	78	98081	2.489	ug/L	100
34) Trichloroethene	5.828	95	28491	2.546	ug/L	97
35) Methylcyclohexane	6.040	83	44797	2.700	ug/L	98
37) 1,2-Dichloropropane	6.092	63	22755	2.336	ug/L #	97
38) Bromodichloromethane	6.432	83	28753	2.364	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	28653	1.965	ug/L	98
40) 4-Methyl-2-pentanone	7.175	43	18220m	4.526	ug/L	
42) Toluene	7.313	91	101962	2.445	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) trans-1,3-Dichloropropene	7.590	75	22301	2.017	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	14041	2.226	ug/L	96
46) Tetrachloroethene	7.902	164	21616	2.766	ug/L	96
48) 2-Hexanone	8.101	43	17935m	5.911	ug/L	
49) Dibromochloromethane	8.172	129	14115	2.013	ug/L	100
50) 1,2-Dibromoethane	8.281	107	11738	2.015	ug/L	91
51) Chlorobenzene	8.812	112	68082	2.557	ug/L	95
52) Ethylbenzene	8.944	91	114490	2.430	ug/L	98
53) m,p-Xylene	9.072	106	40648	2.333	ug/L	94
54) o-Xylene	9.474	106	39208	2.337	ug/L	95
55) Styrene	9.497	104	62206	2.221	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	12626	2.097	ug/L #	91
59) Bromoform	9.664	173	6730	2.077	ug/L #	91
60) Isopropylbenzene	9.863	105	111514	2.621	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	10144	2.286	ug/L	97
62) 1,3,5-Trimethylbenzene	10.471	105	87593	2.484	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	85211	2.439	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	49774	2.626	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	51099	2.711	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	40863	2.505	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	2096	2.319	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	35315	2.681	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	29419	2.794	ug/L	99
71) Naphthalene	13.439	128	58044	3.511	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	24746	2.800	ug/L	96

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

