

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021241.D
 Acq On : 09 Dec 2021 12:22
 Operator : SY/VA
 Sample : VSTD00532
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

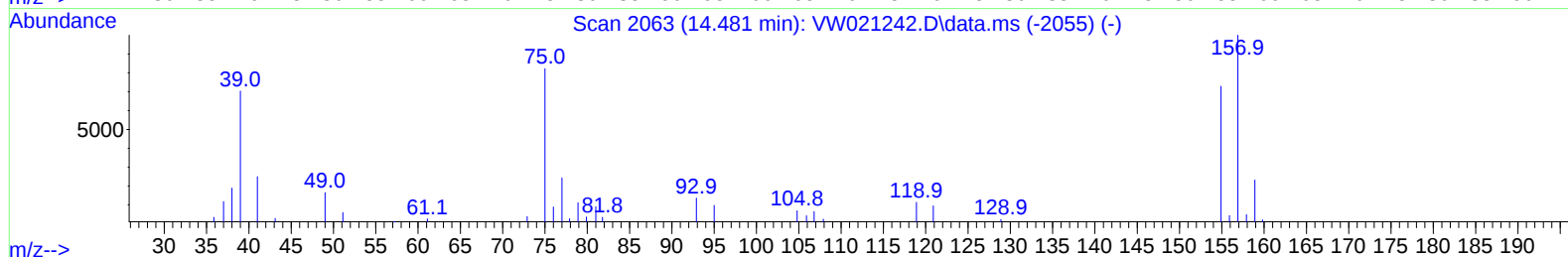
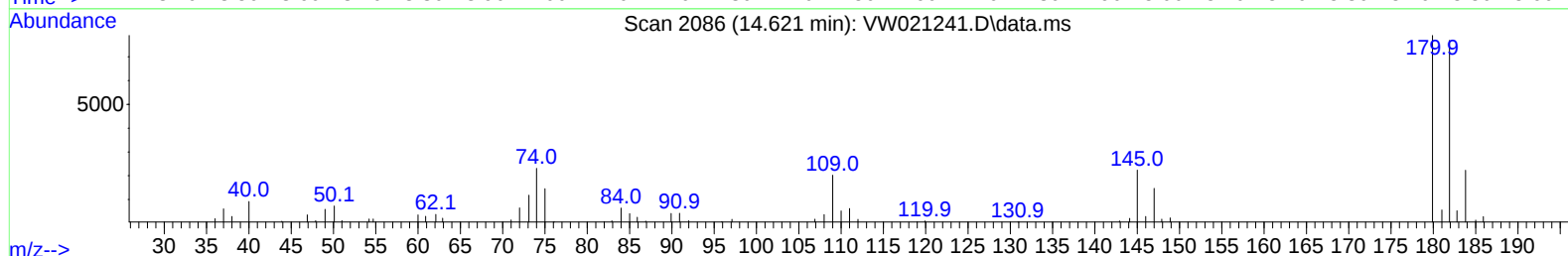
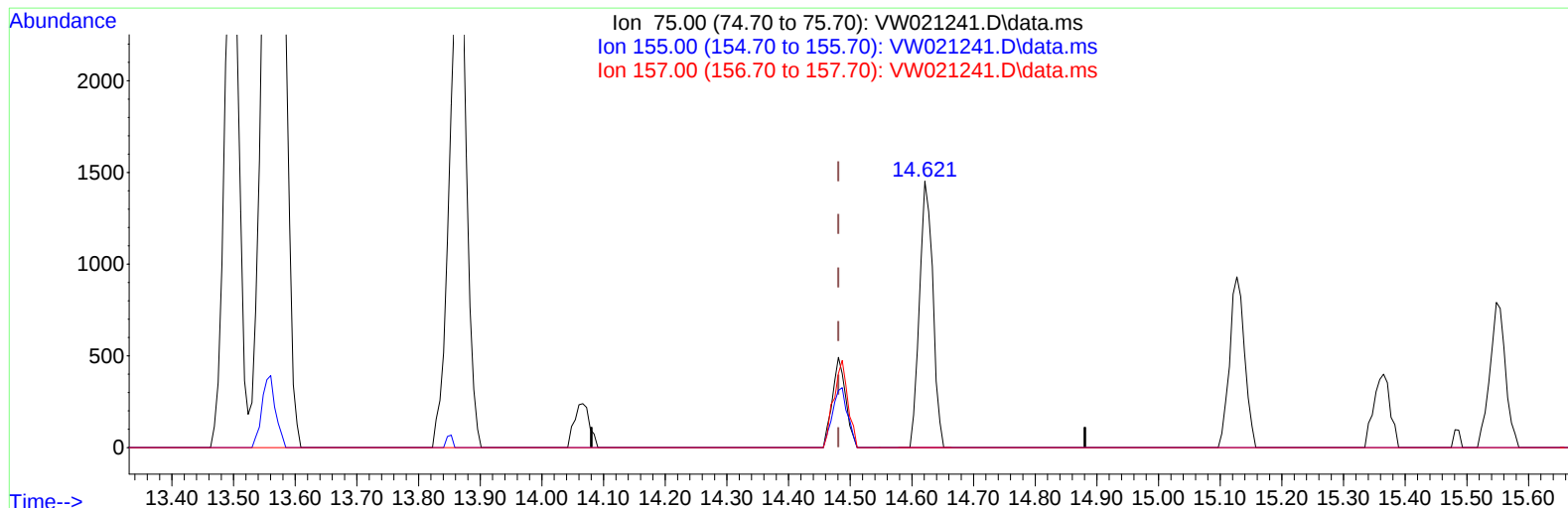
Quant Time: Dec 09 15:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 09 15:08:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	104116	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	96413	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	54279	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	8362	5.373	ug/L	0.00
7) Chloroethane-d5	2.879	69	5703	5.499	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.019	63	11902	5.084	ug/L	0.00
21) 2-Butanone-d5	7.104	46	2501m	7.842	ug/L	0.02
24) Chloroform-d	7.653	84	13878	5.293	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	7441	5.301	ug/L	0.00
32) Benzene-d6	8.281	84	25861	5.262	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	7210	5.363	ug/L	0.00
41) Toluene-d8	10.323	98	25721	5.110	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	2827	4.570	ug/L	0.00
47) 2-Hexanone-d5	10.927	63	1925	7.823	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.695	84	5797	4.665	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	10131	5.218	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.007	85	1575	3.320	ug/L	96
3) Chloromethane	2.209	50	7249	6.239	ug/L	98
5) Vinyl chloride	2.355	62	11135	5.680	ug/L	97
6) Bromomethane	2.776	94	7274	5.498	ug/L	100
8) Chloroethane	2.916	64	4707	5.562	ug/L	92
9) Trichlorofluoromethane	3.251	101	5738	5.908	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	7257	5.002	ug/L	88
12) 1,1-Dichloroethene	4.044	96	6329	4.729	ug/L	70
13) Acetone	4.166	43	2679m	9.289	ug/L	
14) Carbon disulfide	4.385	76	15344	4.313	ug/L	98
15) Methyl Acetate	4.678	43	2089m	4.121	ug/L	
16) Methylene chloride	4.915	84	10020	6.308	ug/L	87
17) trans-1,2-Dichloroethene	5.428	96	6796	4.837	ug/L	76
18) Methyl tert-butyl Ether	5.434	73	9812	4.754	ug/L	94
19) 1,1-Dichloroethane	6.220	63	10689m	4.825	ug/L	
20) cis-1,2-Dichloroethene	7.171	96	7015	4.737	ug/L	82
22) 2-Butanone	7.196	43	3010	7.538	ug/L	98
23) Bromochloromethane	7.519	128	3527	5.111	ug/L	# 56
25) Chloroform	7.677	83	12299	4.957	ug/L	98
27) 1,2-Dichloroethane	8.403	62	7746	4.781	ug/L	99
29) Cyclohexane	7.958	56	9466	4.627	ug/L	# 78
30) 1,1,1-Trichloroethane	7.872	97	10769	4.877	ug/L	95
31) Carbon tetrachloride	8.073	117	9678	4.806	ug/L	99
33) Benzene	8.329	78	26422	4.955	ug/L	100
34) Trichloroethene	9.092	95	7782	5.288	ug/L	93
35) Methylcyclohexane	9.335	83	12277	4.934	ug/L	# 85
37) 1,2-Dichloropropane	9.372	63	5883	4.941	ug/L	# 94
38) Bromodichloromethane	9.646	83	7560	4.516	ug/L	# 97
39) cis-1,3-Dichloropropene	10.073	75	8591	4.465	ug/L	98
40) 4-Methyl-2-pentanone	10.213	43	6278	8.083	ug/L	# 92
42) Toluene	10.390	91	30260	4.961	ug/L	95
44) trans-1,3-Dichloropropene	10.603	75	7108	4.157	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
Data File : VW021241.D
Acq On : 09 Dec 2021 12:22
Operator : SY/VA
Sample : VSTD00532
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 09 15:08:28 2021
Response via : Initial Calibration



TIC: VW021241.D\data.ms

(68) 1,2-Dibromo-3-chloropropane (T)

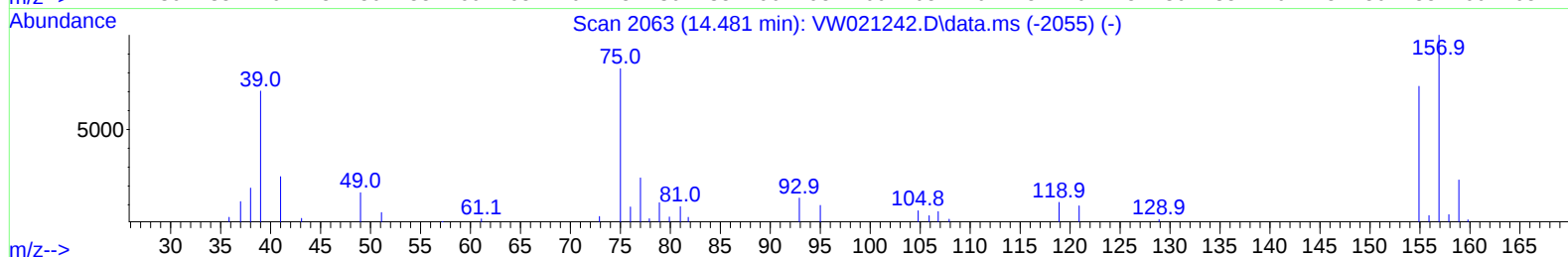
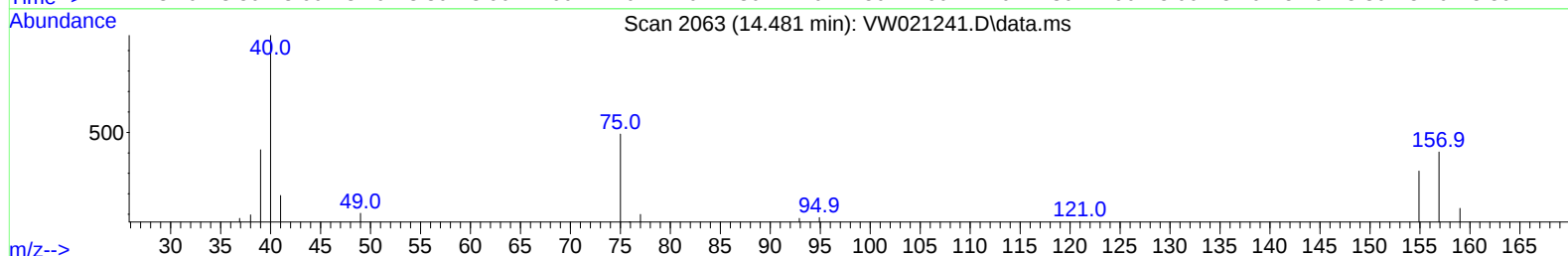
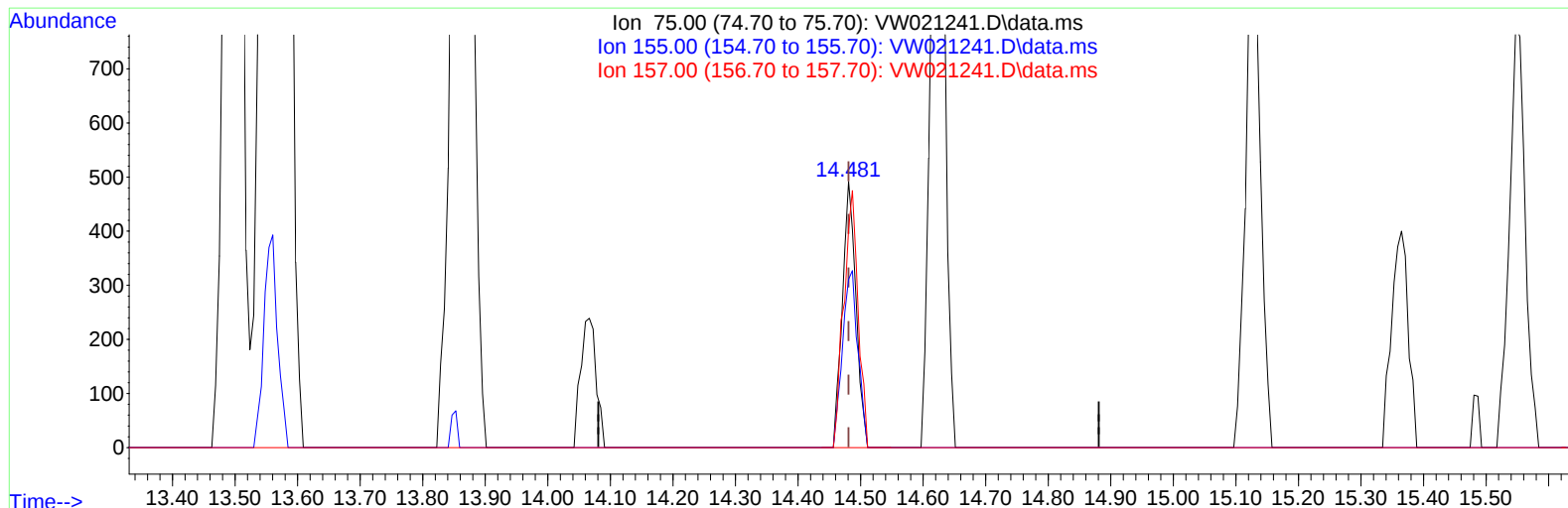
14.621min (+ 0.140) 11.86 ug/L

response 2178

Ion	Exp%	Act%
75.00	100.00	100.00
155.00	67.70	0.00#
157.00	86.80	0.00#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
Data File : VW021241.D
Acq On : 09 Dec 2021 12:22
Operator : SY/VA
Sample : VSTD00532
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 09 15:08:28 2021
Response via : Initial Calibration



TIC: VW021241.D\data.ms

(68) 1,2-Dibromo-3-chloropropane (T)

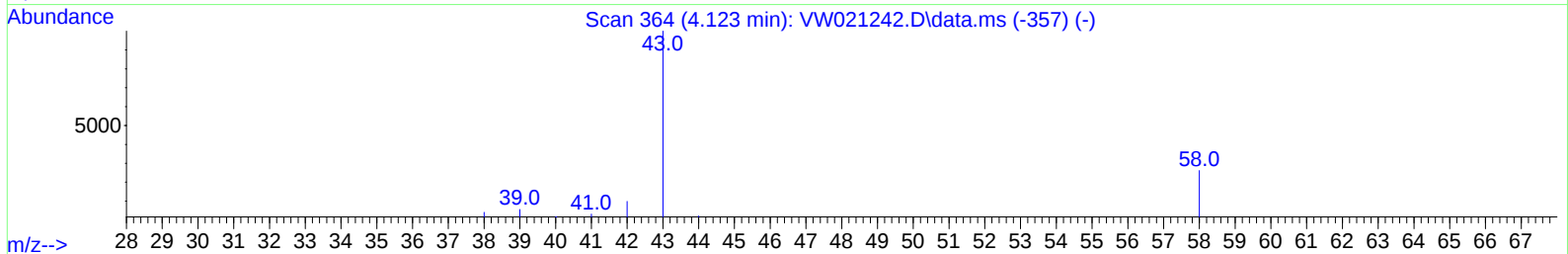
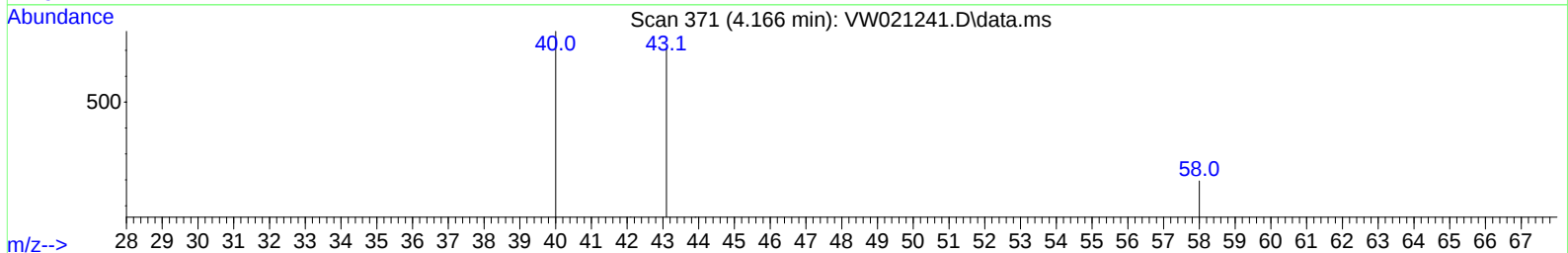
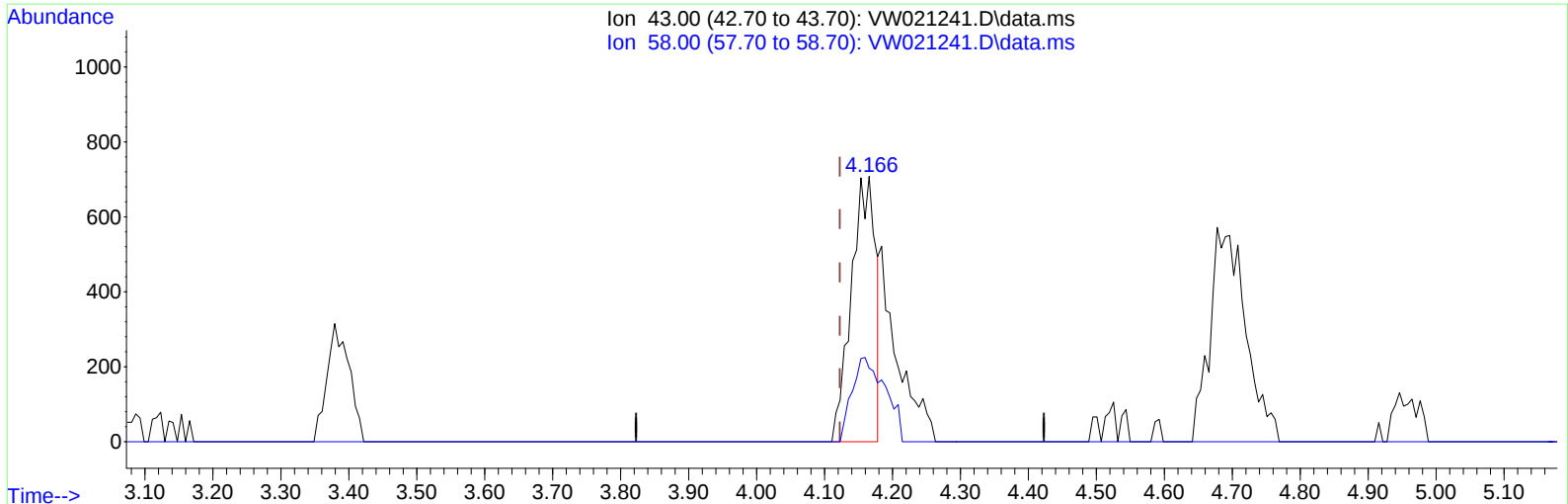
14.481min (+ 0.000) 4.05 ug/L m

response 743

Ion	Exp%	Act%
75.00	100.00	100.00
155.00	67.70	63.21
157.00	86.80	82.11
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
Data File : VW021241.D
Acq On : 09 Dec 2021 12:22
Operator : SY/VA
Sample : VSTD00532
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 09 15:08:28 2021
Response via : Initial Calibration



TIC: VW021241.D\data.ms

(13) Acetone (T)

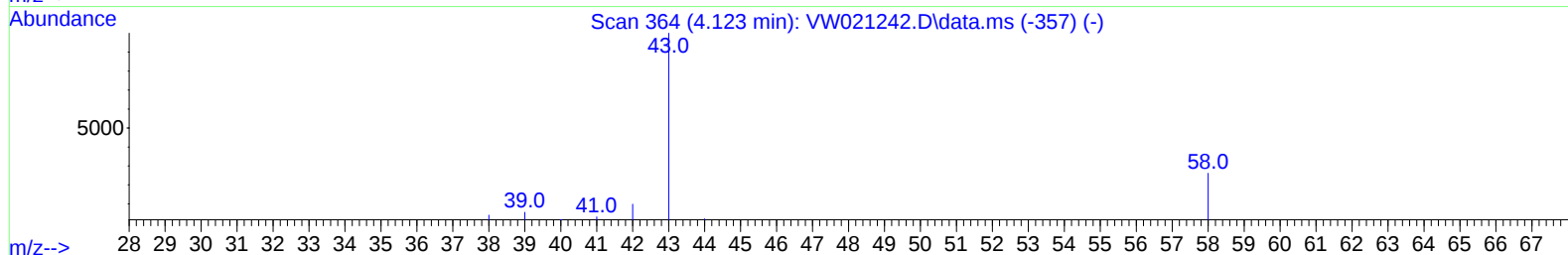
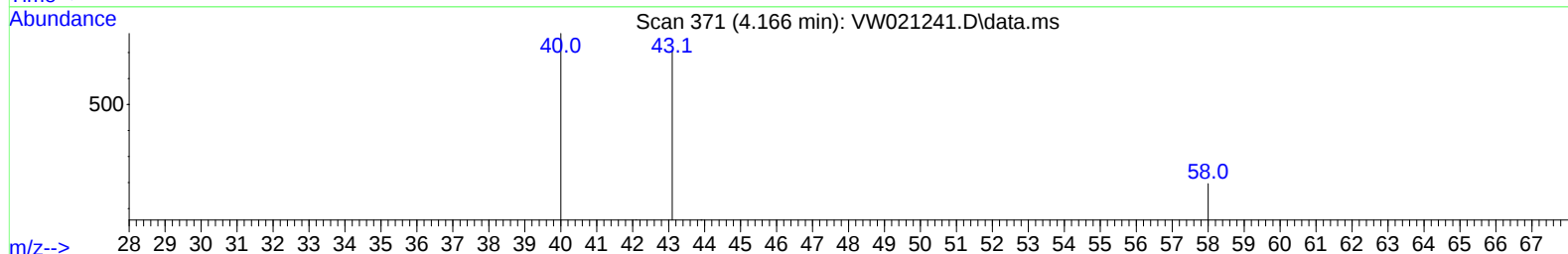
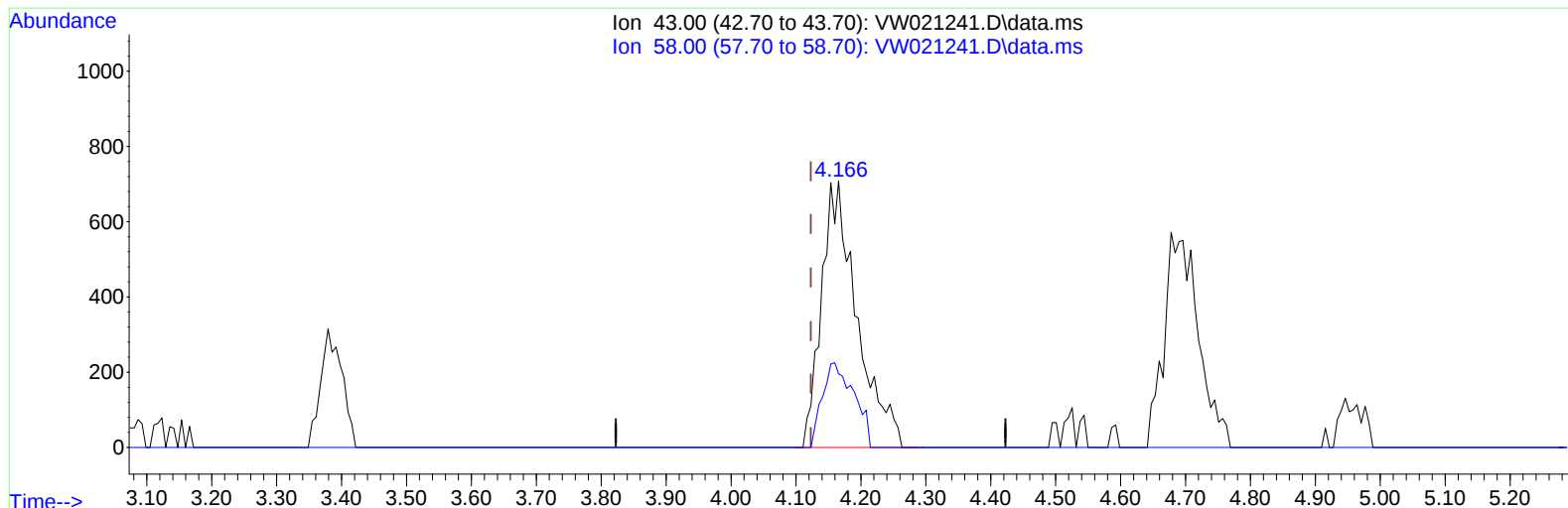
4.166min (+ 0.043) 6.04 ug/L

response 1742

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	26.40	43.69
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
Data File : VW021241.D
Acq On : 09 Dec 2021 12:22
Operator : SY/VA
Sample : VSTD00532
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 09 15:08:28 2021
Response via : Initial Calibration



TIC: VW021241.D\data.ms

(13) Acetone (T)

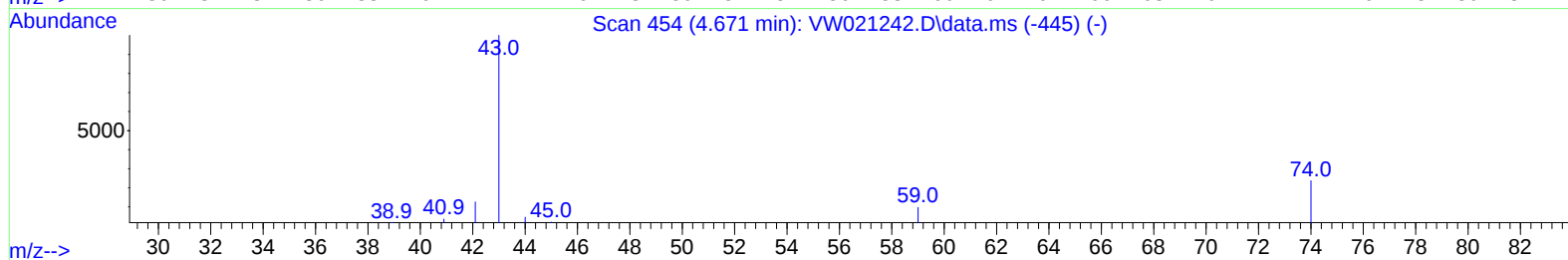
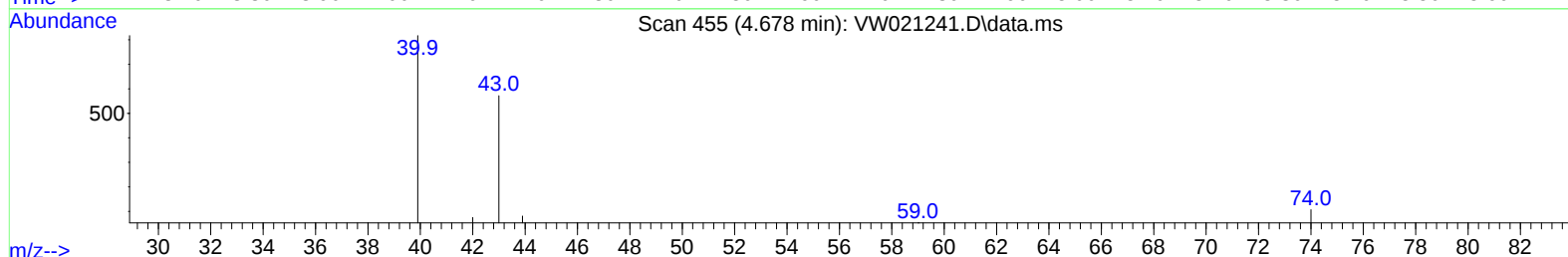
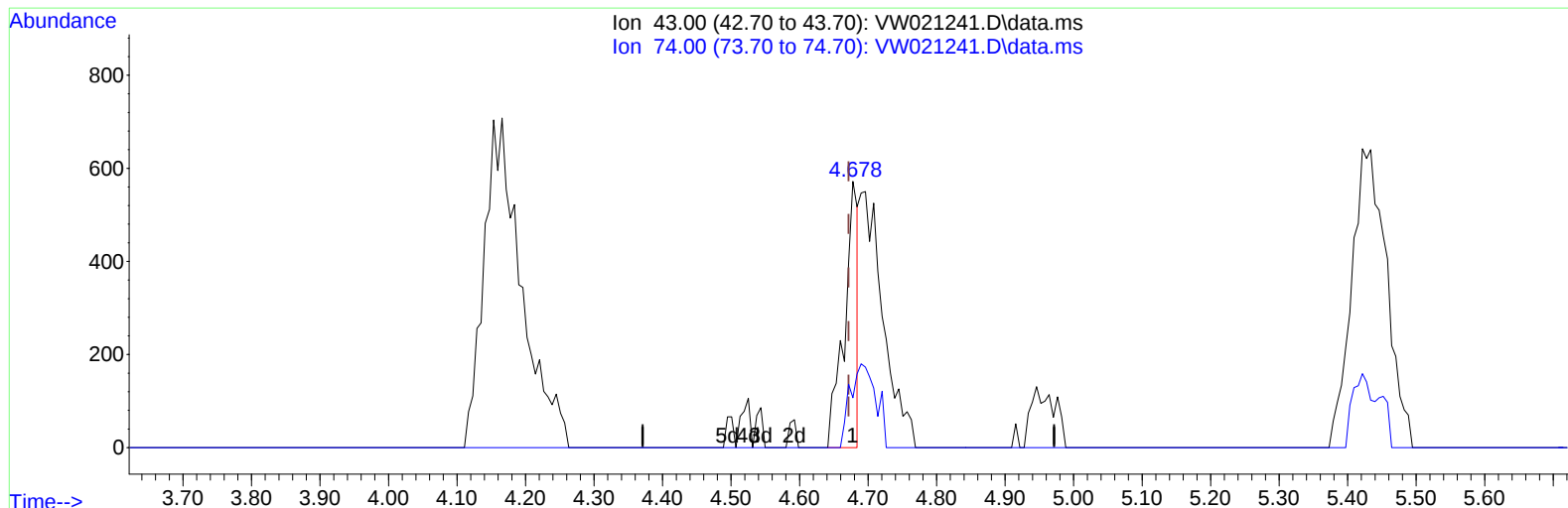
4.166min (+ 0.043) 9.29 ug/L m

response 2679

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	26.40	28.41
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
Data File : VW021241.D
Acq On : 09 Dec 2021 12:22
Operator : SY/VA
Sample : VSTD00532
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 09 15:08:28 2021
Response via : Initial Calibration



TIC: VW021241.D\data.ms

(15) Methyl Acetate (T)

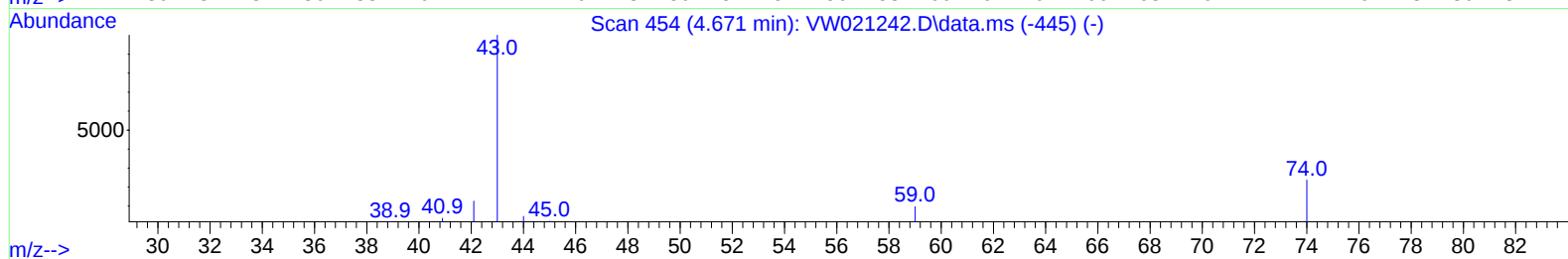
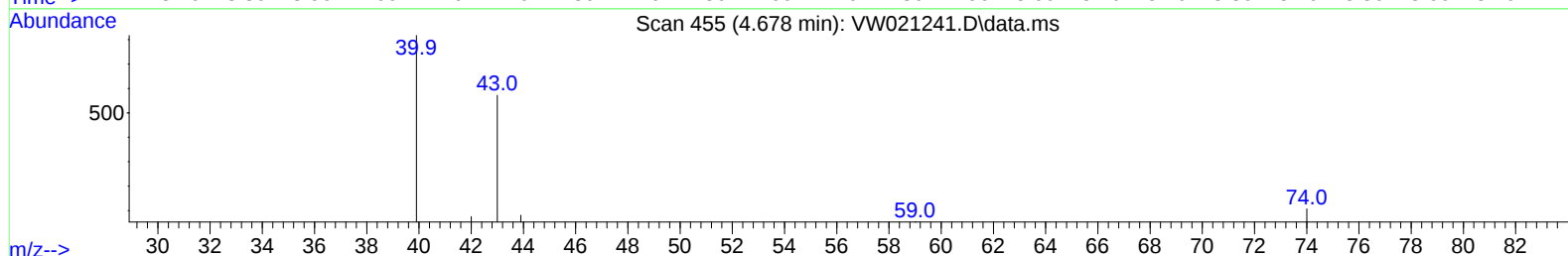
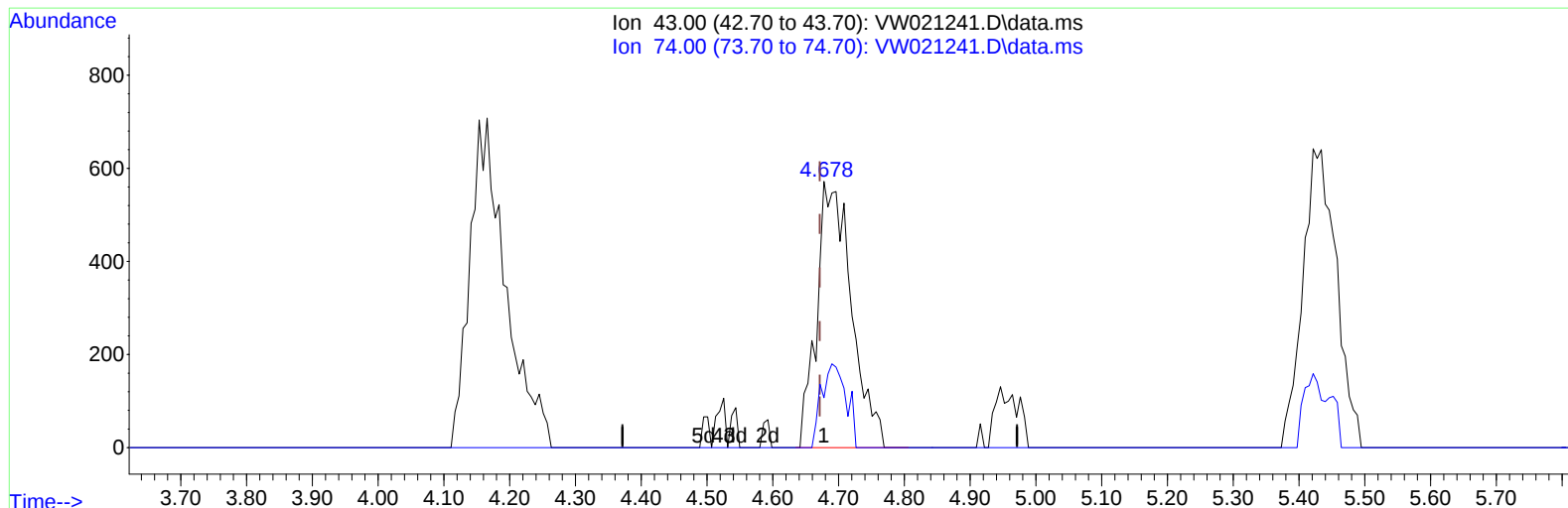
4.678min (+ 0.006) 1.55 ug/L

response 788

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	20.50	53.55#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021241.D
 Acq On : 09 Dec 2021 12:22
 Operator : SY/VA
 Sample : VSTD00532
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 09 15:08:28 2021
 Response via : Initial Calibration



TIC: VW021241.D\data.ms

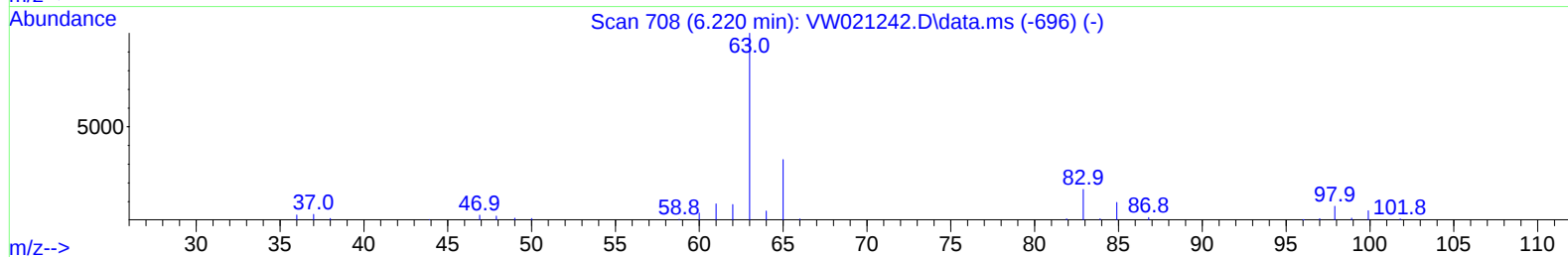
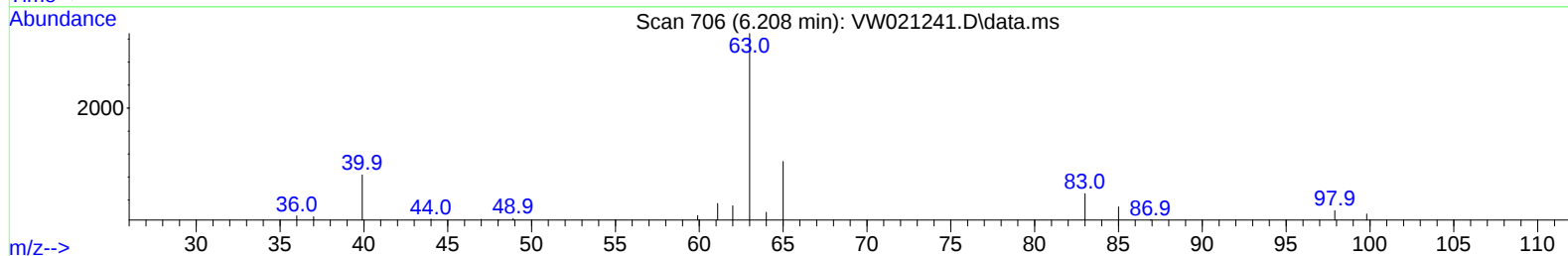
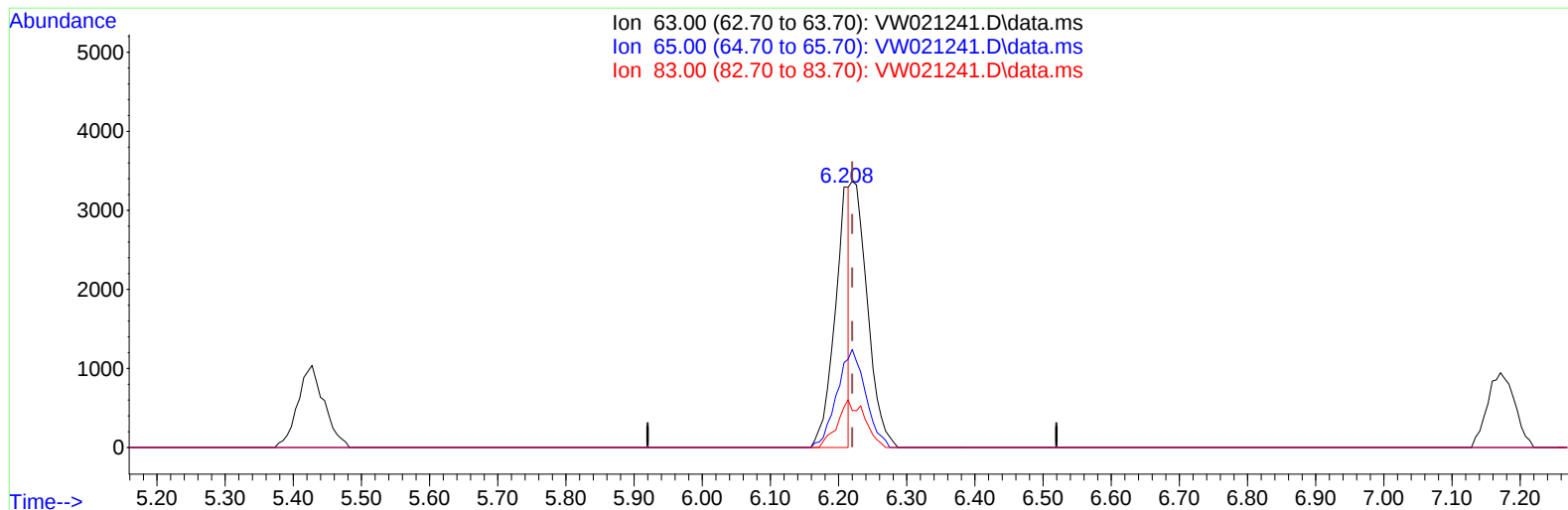
(15) Methyl Acetate (T)

4.678min (+ 0.006) 4.12 ug/L m

response	2089	
Ion	Exp%	Act%
43.00	100.00	100.00
74.00	20.50	20.20
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021241.D
 Acq On : 09 Dec 2021 12:22
 Operator : SY/VA
 Sample : VSTD00532
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 09 15:08:28 2021
 Response via : Initial Calibration



TIC: VW021241.D\data.ms

(19) 1,1-Dichloroethane (T)

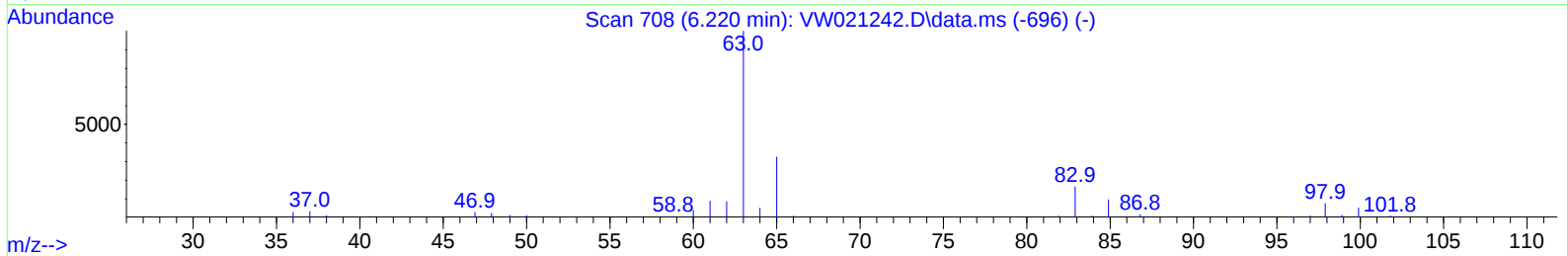
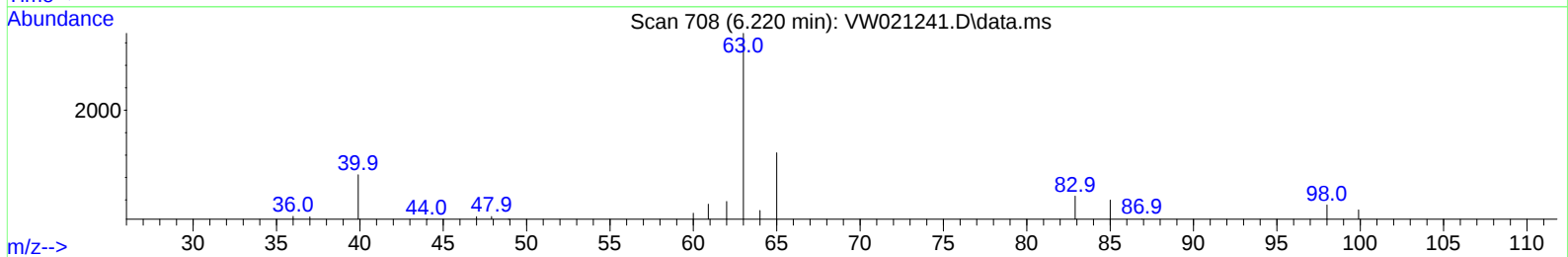
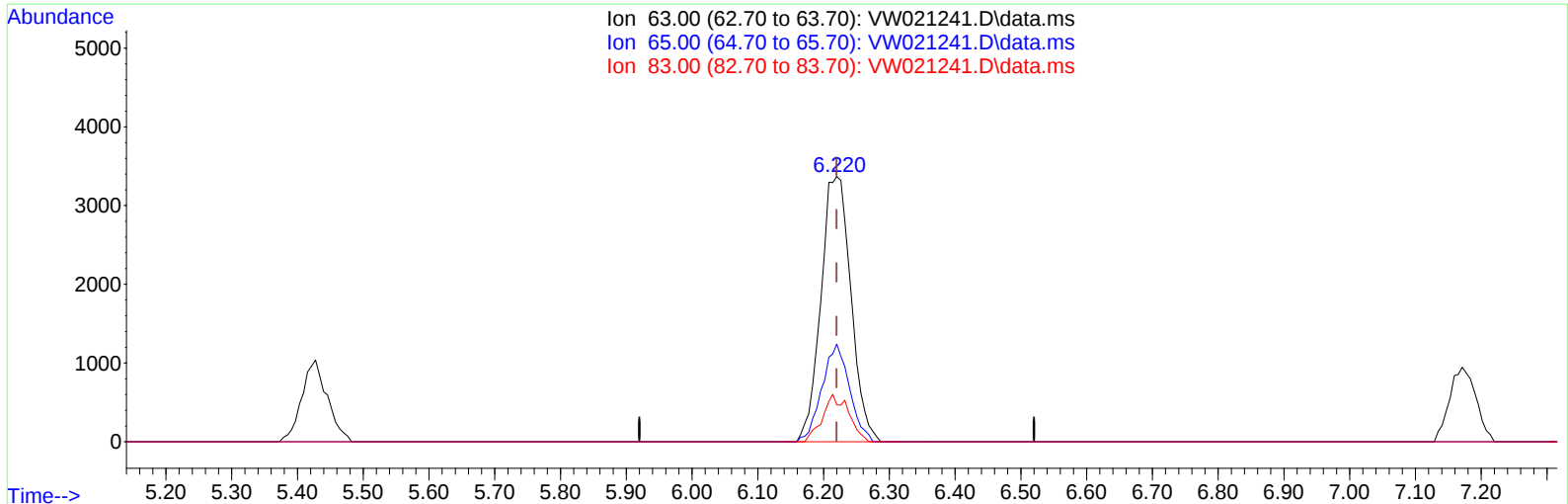
6.208min (-0.012) 2.22 ug/L

response 4926

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	31.60	32.52
83.00	13.20	15.50
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021241.D
 Acq On : 09 Dec 2021 12:22
 Operator : SY/VA
 Sample : VSTD00532
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 09 15:08:28 2021
 Response via : Initial Calibration



TIC: VW021241.D\data.ms

(19) 1,1-Dichloroethane (T)

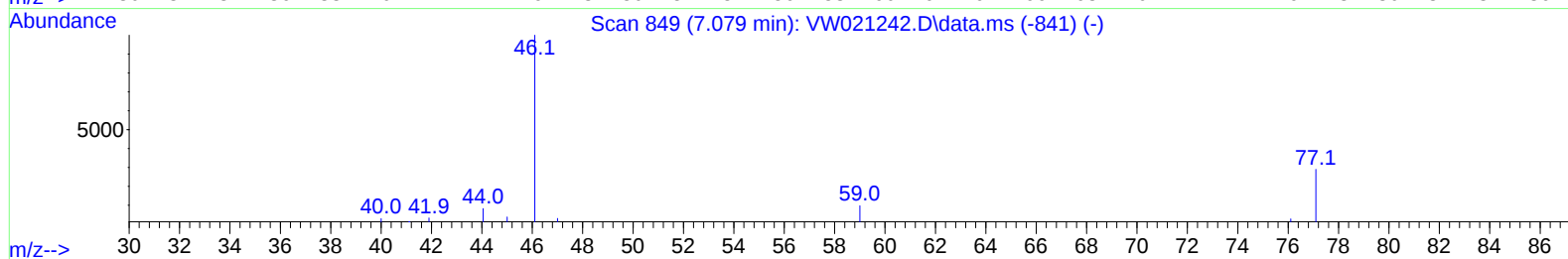
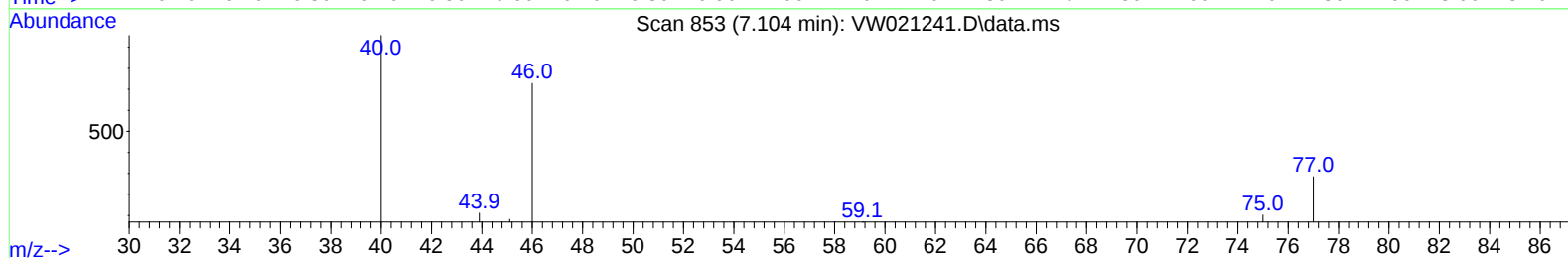
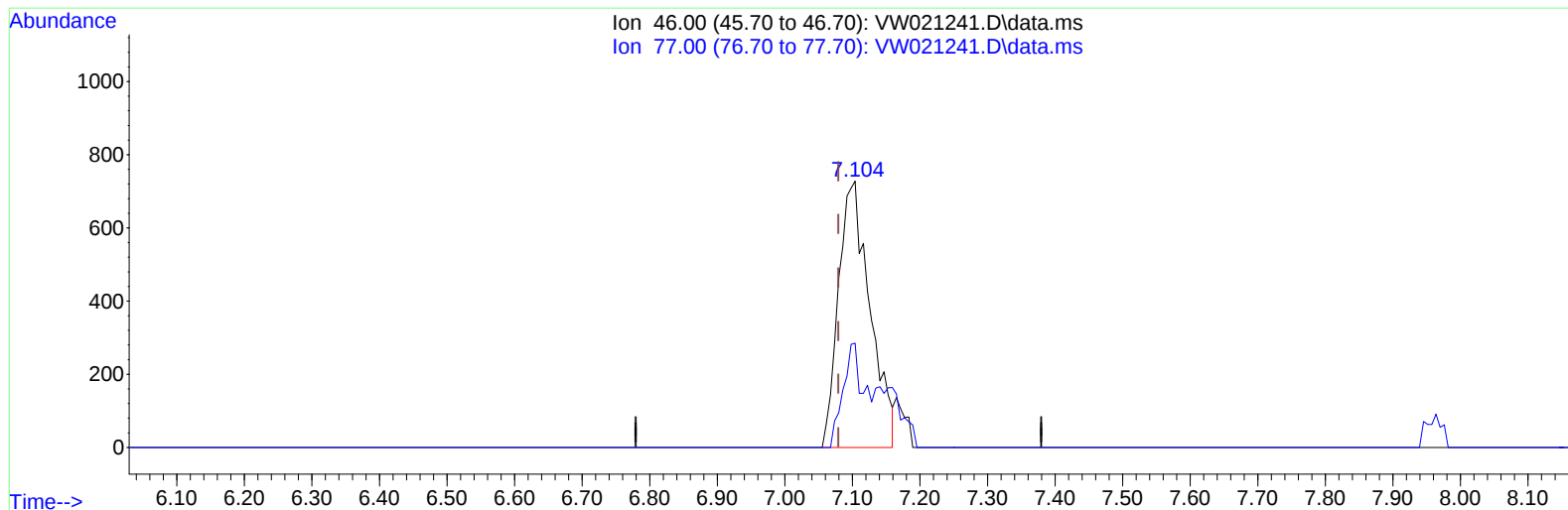
6.220min (+ 0.000) 4.83 ug/L m

response 10689

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	31.60	36.87
83.00	13.20	13.89
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021241.D
 Acq On : 09 Dec 2021 12:22
 Operator : SY/VA
 Sample : VSTD00532
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 09 15:08:28 2021
 Response via : Initial Calibration



TIC: VW021241.D\data.ms

(21) 2-Butanone-d5 (S)

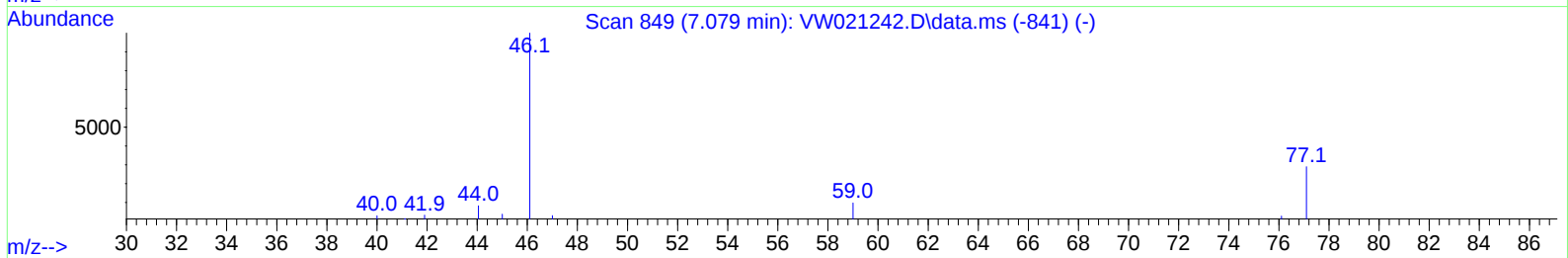
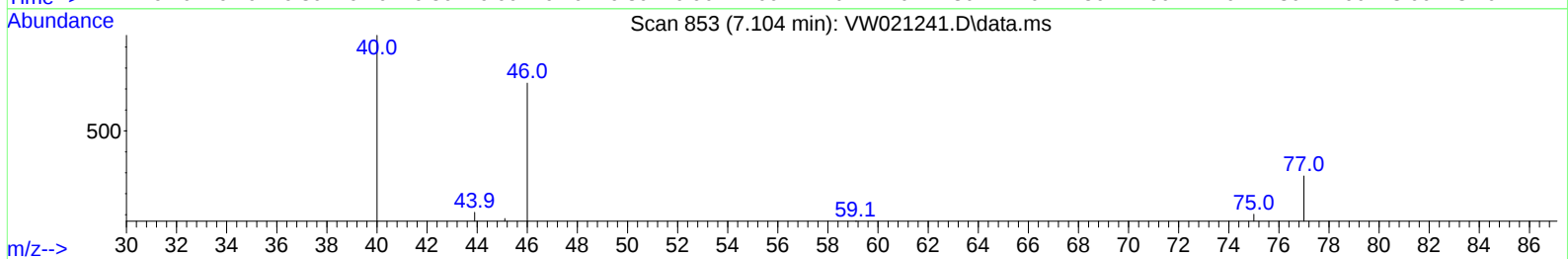
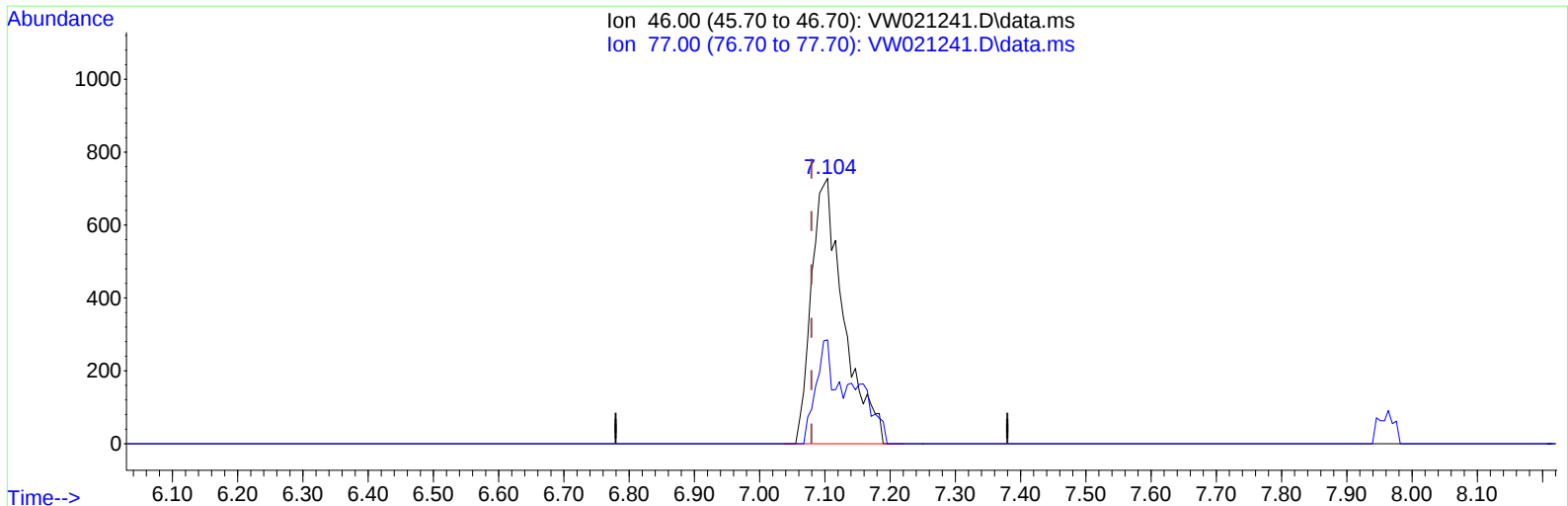
7.104min (+ 0.025) 7.37 ug/L

response 2352

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	20.20	19.22
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
Data File : VW021241.D
Acq On : 09 Dec 2021 12:22
Operator : SY/VA
Sample : VSTD00532
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 09 15:08:28 2021
Response via : Initial Calibration



TIC: VW021241.D\data.ms

(21) 2-Butanone-d5 (S)

7.104min (+ 0.025) 7.84 ug/L m

response 2501

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	20.20	18.07
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021241.D
 Acq On : 09 Dec 2021 12:22
 Operator : SY/VA
 Sample : VSTD00532
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 09 15:08:28 2021
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	10.786	97	4877	4.837	ug/L	96
46) Tetrachloroethene	10.860	164	7127	5.139	ug/L	88
48) 2-Hexanone	10.969	43	4239	7.560	ug/L #	96
49) Dibromochloromethane	11.128	129	5331	4.322	ug/L	92
50) 1,2-Dibromoethane	11.238	107	4887	4.851	ug/L	98
51) Chlorobenzene	11.658	112	20544	5.006	ug/L	88
52) Ethylbenzene	11.731	91	32995	4.725	ug/L	97
53) m,p-Xylene	11.841	106	13275	4.600	ug/L	88
54) o-Xylene	12.164	106	12490	4.602	ug/L	89
55) Styrene	12.182	104	20664	4.448	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.713	83	5532	4.627	ug/L #	90
59) Bromoform	12.353	173	2595	3.638	ug/L #	90
60) Isopropylbenzene	12.463	105	34371	4.687	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	3907	4.580	ug/L #	92
62) 1,3,5-Trimethylbenzene	12.945	105	29215	4.733	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	28146	4.546	ug/L	93
64) 1,3-Dichlorobenzene	13.499	146	17139	4.980	ug/L	95
65) 1,4-Dichlorobenzene	13.579	146	16739	4.904	ug/L	96
67) 1,2-Dichlorobenzene	13.871	146	14764	4.821	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.481	75	743m	4.047	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	13300	5.237	ug/L	100
70) 1,2,4-trichlorobenzene	15.133	180	10347	5.163	ug/L	98
71) Naphthalene	15.365	128	15943	4.287	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	8748	4.919	ug/L	94

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
Data File : VW021241.D
Acq On : 09 Dec 2021 12:22
Operator : SY/VA
Sample : VSTD00532
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 15:09:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 09 15:08:28 2021
Response via : Initial Calibration

