

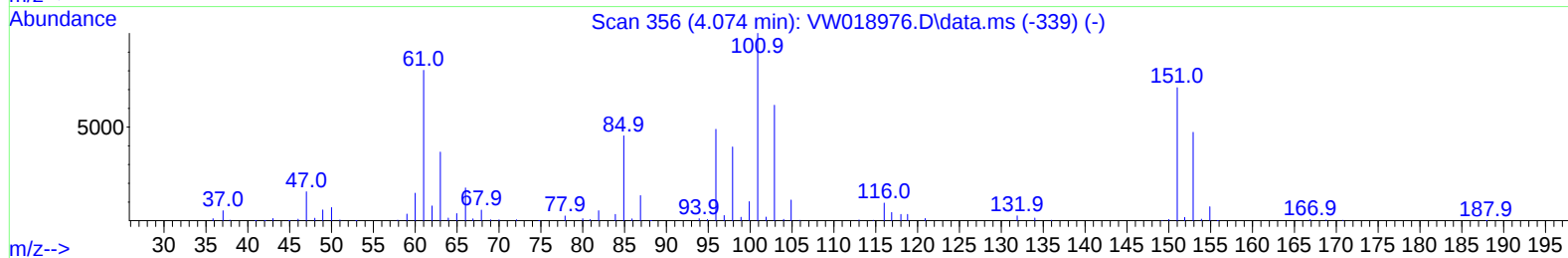
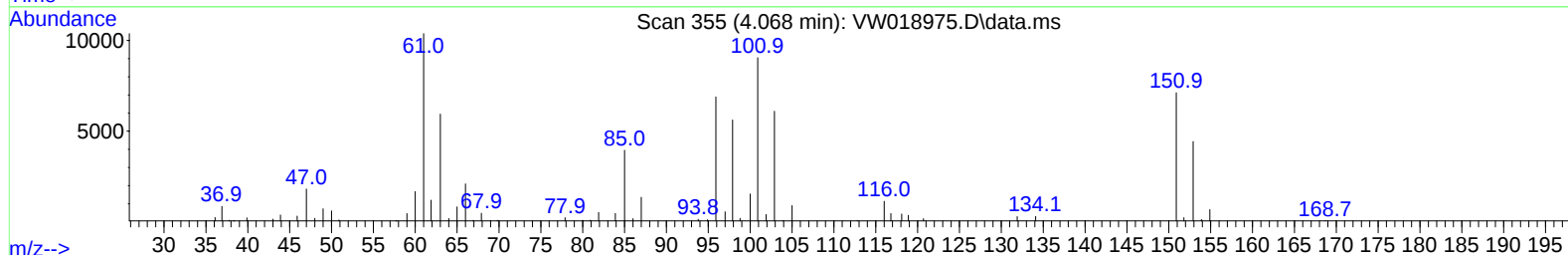
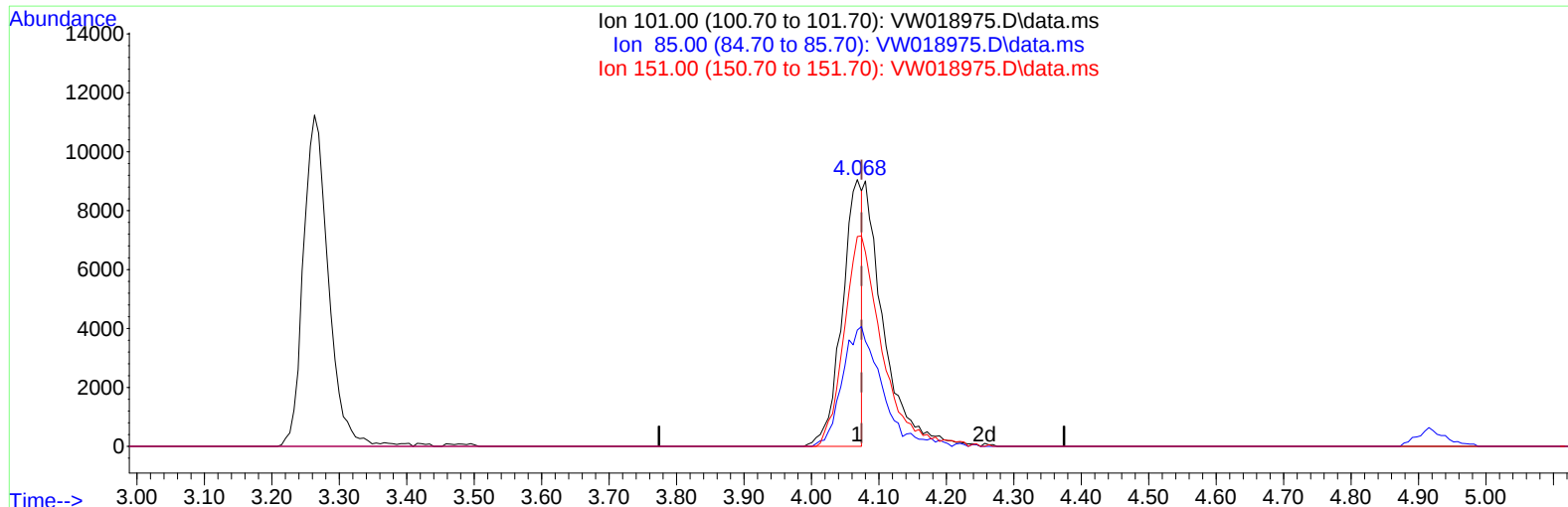
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051221\
Data File : VW018975.D
Acq On : 12 May 2021 13:43
Operator : SY/VA
Sample : VSTD00505
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD005105

Manual Integrations
APPROVED

MMDadoda
5/13/2021 4:09:53 PM

Quant Time: May 12 14:48:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051221SMA.M
Quant Title : SFAM01.0
QLast Update : Wed May 12 14:44:36 2021
Response via : Initial Calibration



TIC: VW018975.D\data.ms

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

4.068min (-0.006) 2.49 ug/L

response 18604

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	47.70	83.05#
151.00	70.80	147.28#
0.00	0.00	0.00

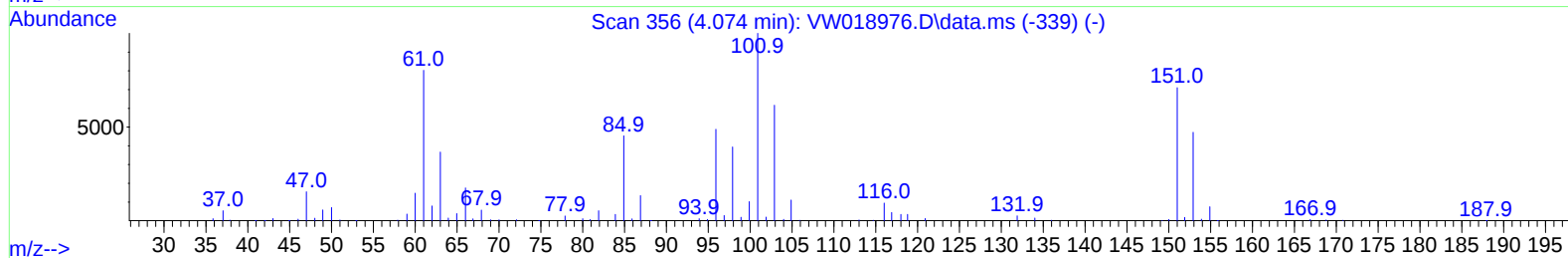
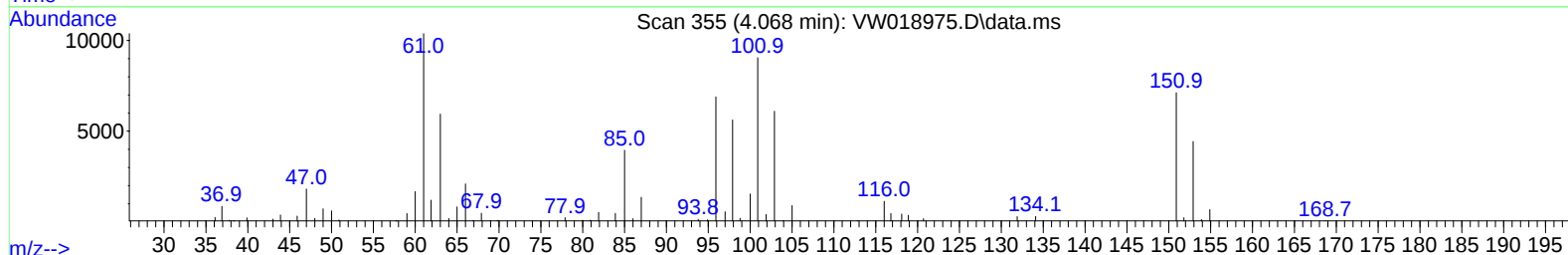
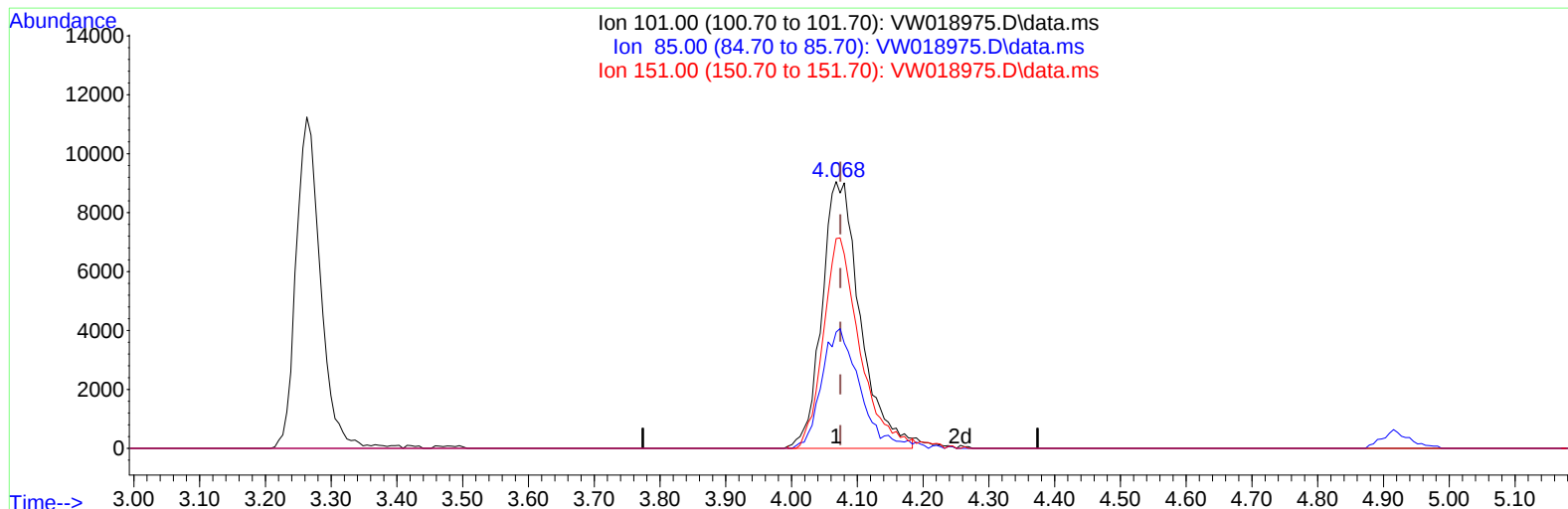
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TIC: VW018975.D\data.ms

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

4.068min (-0.006) 4.89 ug/L m

response 36603

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	47.70	42.21
151.00	70.80	74.86
0.00	0.00	0.00

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Manual Integrations
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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	581184	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	528564	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	273111	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	40854	5.64	ug/L	0.00
7) Chloroethane-d5	2.891	69	31862	5.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.025	63	73431	5.09	ug/L	0.00
21) 2-Butanone-d5	7.086	46	16269	8.93	ug/L	0.00
24) Chloroform-d	7.653	84	81028	5.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.311	65	41599	5.04	ug/L	0.00
32) Benzene-d6	8.280	84	161027	5.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	47196	5.45	ug/L	0.00
41) Toluene-d8	10.323	98	144357	5.26	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	17982	4.64	ug/L	0.00
47) 2-Hexanone-d5	10.926	63	12826	8.76	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.694	84	34771	4.87	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	49789	5.34	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.013	85	25952	4.80	ug/L	90
3) Chloromethane	2.215	50	26513	5.08	ug/L	98
5) Vinyl chloride	2.367	62	43900	5.21	ug/L	97
6) Bromomethane	2.788	94	34365	5.73	ug/L	98
8) Chloroethane	2.928	64	26728	5.22	ug/L	98
9) Trichlorofluoromethane	3.263	101	28622	4.44	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	36603m	4.89	ug/L	
12) 1,1-Dichloroethene	4.050	96	36557	4.90	ug/L	89
13) Acetone	4.129	43	10835	7.86	ug/L	79
14) Carbon disulfide	4.391	76	104685	4.71	ug/L	99
15) Methyl Acetate	4.677	43	12596	4.40	ug/L	94
16) Methylene chloride	4.915	84	52885	5.51	ug/L	89
17) trans-1,2-Dichloroethene	5.427	96	38983	4.84	ug/L	97
18) Methyl tert-butyl Ether	5.433	73	51384	4.73	ug/L #	86
19) 1,1-Dichloroethane	6.220	63	69140	4.99	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	42602	5.03	ug/L	98
22) 2-Butanone	7.177	43	16603	8.62	ug/L	97
23) Bromochloromethane	7.518	128	19069	5.10	ug/L	92
25) Chloroform	7.683	83	72615	5.03	ug/L	100
27) 1,2-Dichloroethane	8.402	62	47060	4.88	ug/L	100
29) Cyclohexane	7.957	56	59099	4.75	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	57209	4.96	ug/L	99
31) Carbon tetrachloride	8.067	117	50718	4.83	ug/L	99
33) Benzene	8.329	78	163157	5.19	ug/L	100
34) Trichloroethene	9.091	95	42415	5.08	ug/L	94
35) Methylcyclohexane	9.335	83	69240	4.71	ug/L	99
37) 1,2-Dichloropropane	9.372	63	39492	5.25	ug/L	99
38) Bromodichloromethane	9.652	83	49505	4.99	ug/L	93
39) cis-1,3-Dichloropropene	10.073	75	55417	4.65	ug/L	97
40) 4-Methyl-2-pentanone	10.213	43	38003	8.53	ug/L	94
42) Toluene	10.390	91	173636	5.01	ug/L	99
44) trans-1,3-Dichloropropene	10.609	75	46695	4.51	ug/L	94

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 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005105

Manual Integrations
 APPROVED

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 5/13/2021 4:09:53 PM

Quant Time: May 12 14:48:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051221SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 12 14:44:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.792	97	28246	4.81	ug/L	98
46) Tetrachloroethene	10.865	164	32884	5.16	ug/L	94
48) 2-Hexanone	10.969	43	23606	8.21	ug/L	91
49) Dibromochloromethane	11.128	129	30791	4.80	ug/L	94
50) 1,2-Dibromoethane	11.237	107	27213	4.79	ug/L	98
51) Chlorobenzene	11.658	112	110726	5.20	ug/L	96
52) Ethylbenzene	11.731	91	188469	4.89	ug/L	99
53) m,p-Xylene	11.841	106	71323	4.99	ug/L	93
54) o-Xylene	12.164	106	67050	4.92	ug/L	98
55) Styrene	12.182	104	114236	4.97	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	32883	4.69	ug/L	94
59) Bromoform	12.347	173	16214	4.40	ug/L #	39
60) Isopropylbenzene	12.463	105	182423	4.68	ug/L	99
61) 1,2,3-Trichloropropane	12.767	75	24237	4.38	ug/L	98
62) 1,3,5-Trimethylbenzene	12.944	105	146538	4.52	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	149103	4.60	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	83607	5.07	ug/L	89
65) 1,4-Dichlorobenzene	13.578	146	85809	5.17	ug/L	99
67) 1,2-Dichlorobenzene	13.871	146	75492	5.03	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.481	75	4458	3.83	ug/L #	75
69) 1,3,5-Trichlorobenzene	14.627	180	60545	5.08	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	48822	4.96	ug/L	99
71) Naphthalene	15.365	128	81911	4.09	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	42376	4.83	ug/L	97

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

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The chromatogram displays a series of peaks representing different chemical compounds. The y-axis, labeled 'Abundance', ranges from 0 to 1,200,000. The x-axis, labeled 'Time-->', ranges from 2.00 to 16.00 minutes. The following table lists the compounds identified in the chromatogram, along with their approximate retention times and relative abundances.

Compound	Retention Time (min)	Relative Abundance
Dichlorodifluoromethane, T	2.50	20,000
Chloromethane, T	2.60	10,000
Vinyl Chloride, T	2.70	70,000
Bromomethane, T	2.80	40,000
Chloroethane, T	2.90	30,000
Trichlorofluoromethane, T	3.00	20,000
Acetone, T	4.10	100,000
Carbon disulfide, T	4.20	50,000
Methyl Acetate, T	4.30	60,000
Methylene chloride, T	4.40	70,000
Methyl 1,2-Dichloroethane, T	4.50	90,000
1,1-Dichloroethane, T	6.10	50,000
2-Butanone, T	7.10	25,000
1,2-Dichloroethane, T	7.20	20,000
Bromochloromethane, T	7.30	10,000
1,1,1-Trichloroethane, T	7.40	10,000
Carbon tetrachloride, T	7.50	10,000
1,2-Dichloroethane, T	8.10	20,000
1,2-Dichloroethane, T	8.20	20,000
1,2-Dichloroethane, T	8.30	20,000
1,4-Difluorobenzene, I	8.90	680,000
Trichloroethene, T	9.10	120,000
1,2-Dichloroethane, T	9.20	100,000
1,2-Dichloroethane, T	9.30	100,000
1,2-Dichloroethane, T	9.40	100,000
Bromodichloromethane, T	9.50	70,000
cis-1,3-Dichloropropene, T	10.10	100,000
4-Methyl-2-pentanone, T	10.20	50,000
Toluene, T	10.30	100,000
trans-1,3-Dichloropropene, T	10.40	80,000
1,1,2-Trichloroethane, T	10.50	80,000
1,1,2-Trichloroethane, T	10.60	80,000
1,2-Dichloroethane, T	10.70	80,000
1,2-Dichloroethane, T	10.80	80,000
1,2-Dichloroethane, T	10.90	80,000
1,2-Dichloroethane, T	11.00	80,000
1,2-Dichloroethane, T	11.10	80,000
1,2-Dichloroethane, T	11.20	80,000
1,2-Dichloroethane, T	11.30	80,000
1,2-Dichloroethane, T	11.40	80,000
1,2-Dichloroethane, T	11.50	80,000
1,2-Dichloroethane, T	11.60	80,000
1,2-Dichloroethane, T	11.70	80,000
1,2-Dichloroethane, T	11.80	80,000
1,2-Dichloroethane, T	11.90	80,000
1,2-Dichloroethane, T	12.00	80,000
1,2-Dichloroethane, T	12.10	80,000
1,2-Dichloroethane, T	12.20	80,000
1,2-Dichloroethane, T	12.30	80,000
1,2-Dichloroethane, T	12.40	80,000
1,2-Dichloroethane, T	12.50	80,000
1,2-Dichloroethane, T	12.60	80,000
1,2-Dichloroethane, T	12.70	80,000
1,2-Dichloroethane, T	12.80	80,000
1,2-Dichloroethane, T	12.90	80,000
1,2-Dichloroethane, T	13.00	80,000
1,2-Dichloroethane, T	13.10	80,000
1,2-Dichloroethane, T	13.20	80,000
1,2-Dichloroethane, T	13.30	80,000
1,2-Dichloroethane, T	13.40	80,000
1,2-Dichloroethane, T	13.50	80,000
1,2-Dichloroethane, T	13.60	80,000
1,2-Dichloroethane, T	13.70	80,000
1,2-Dichloroethane, T	13.80	80,000
1,2-Dichloroethane, T	13.90	80,000
1,2-Dichloroethane, T	14.00	80,000
1,2-Dichloroethane, T	14.10	80,000
1,2-Dichloroethane, T	14.20	80,000
1,2-Dichloroethane, T	14.30	80,000
1,2-Dichloroethane, T	14.40	80,000
1,2-Dichloroethane, T	14.50	80,000
1,2-Dichloroethane, T	14.60	80,000
1,2-Dichloroethane, T	14.70	80,000
1,2-Dichloroethane, T	14.80	80,000
1,2-Dichloroethane, T	14.90	80,000
1,2-Dichloroethane, T	15.00	80,000
1,2-Dichloroethane, T	15.10	80,000
1,2-Dichloroethane, T	15.20	80,000
1,2-Dichloroethane, T	15.30	80,000
1,2-Dichloroethane, T	15.40	80,000
1,2-Dichloroethane, T	15.50	80,000
1,2-Dichloroethane, T	15.60	80,000
1,2-Dichloroethane, T	15.70	80,000
1,2-Dichloroethane, T	15.80	80,000
1,2-Dichloroethane, T	15.90	80,000