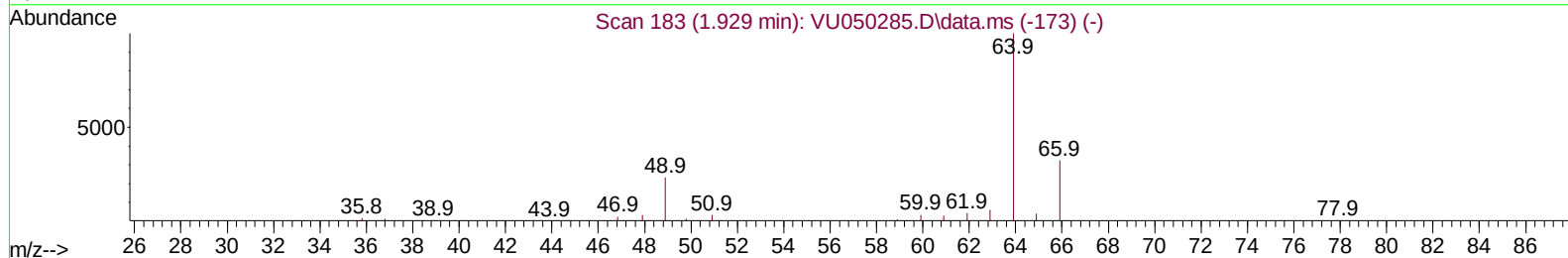
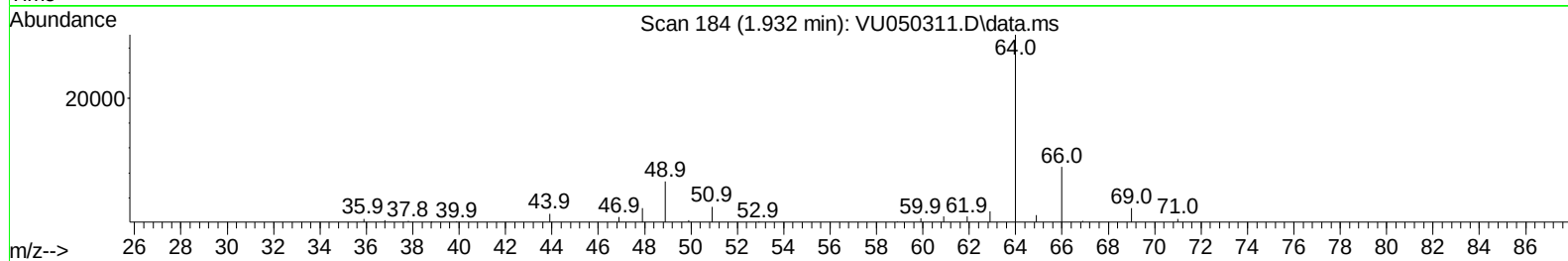
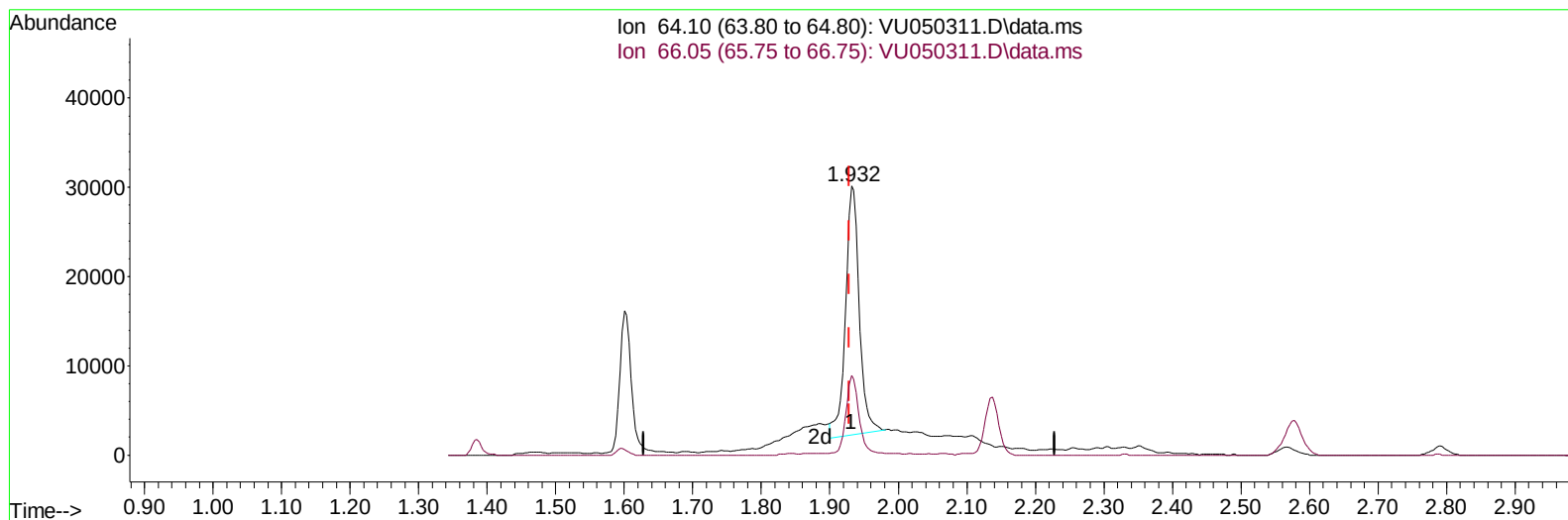


Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081322\
Data File : VU050311.D
Acq On : 13 Aug 2022 10:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 01:18:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 01:20:27 2022
Response via : Initial Calibration



TIC: VU050311.D\data.ms

(8) Chloroethane (T)

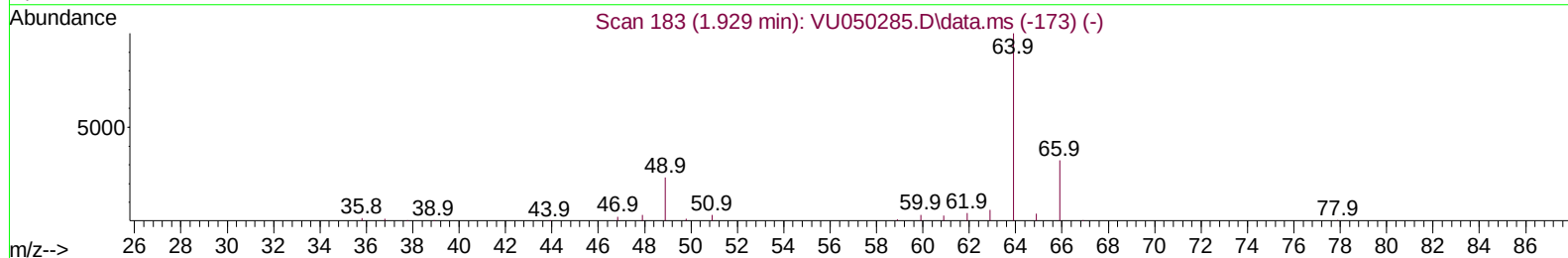
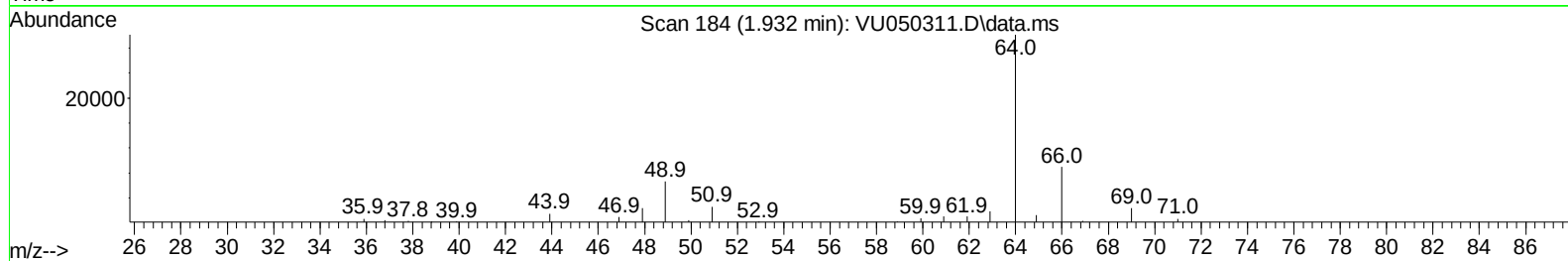
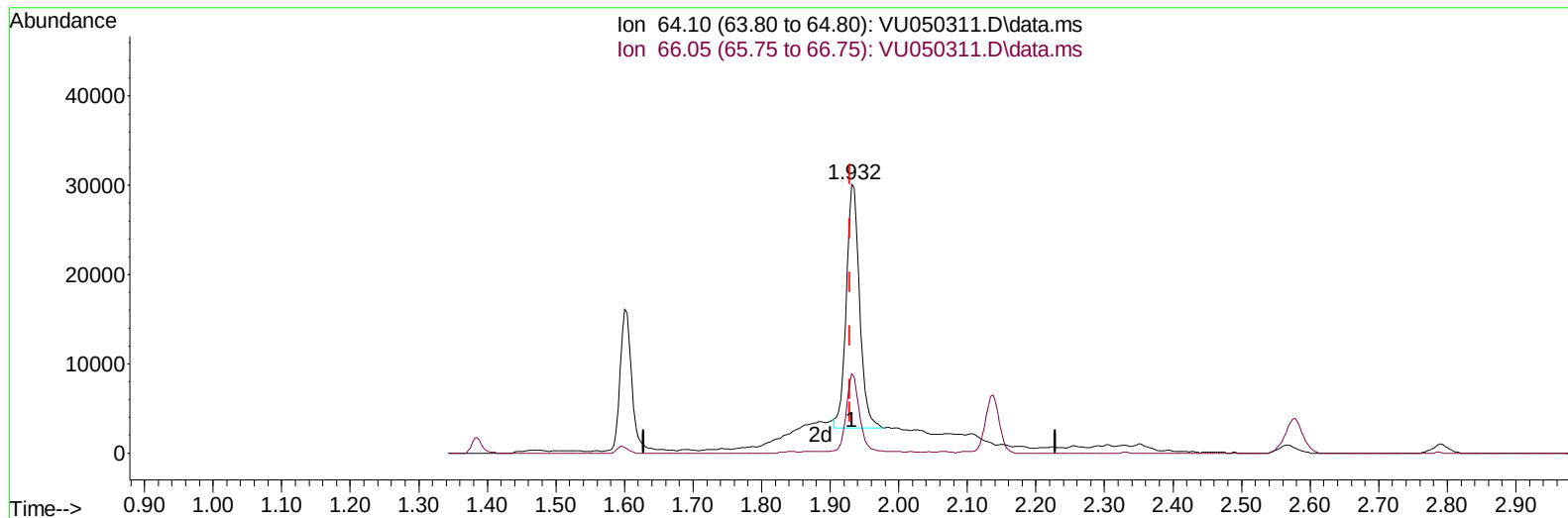
1.932min (+ 0.003) 6.10 ug/L

response 39186

Ion	Exp%	Act%
64.10	100.00	100.00
66.05	32.60	29.62
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081322\
Data File : VU050311.D
Acq On : 13 Aug 2022 10:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 01:18:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 01:20:27 2022
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TIC: VU050311.D\data.ms

(8) Chloroethane (T)

1.932min (+ 0.003) 5.70 ug/L m

response 36654

Ion	Exp%	Act%
64.10	100.00	100.00
66.05	32.60	29.62
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081322\
 Data File : VU050311.D
 Acq On : 13 Aug 2022 10:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 01:18:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 01:20:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	101558	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	98396	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	46949	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31436	3.720	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	74.400%	
7) Chloroethane-d5	1.912	69	30778	4.514	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.200%	
11) 1,1-Dichloroethene-d2	2.562	65	12347	3.738	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	74.800%	
20) 2-Butanone-d5	4.642	46	109794	53.271	ug/L	0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	106.540%	
24) Chloroform-d	5.063	84	73273	4.661	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.200%	
26) 1,2-Dichloroethane-d4	5.703	65	36891	4.570	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.400%	
32) Benzene-d6	5.726	84	130389	4.246	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.000%	
36) 1,2-Dichloropropane-d6	6.690	67	45559	4.506	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	90.200%	
41) Toluene-d8	7.899	98	107812	3.975	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	79.600%	
43) trans-1,3-Dichloroprop...	8.179	79	15059	4.156	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.200%	
46) 2-Hexanone-d5	8.635	63	63694	49.570	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	99.140%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	41579	4.683	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	93.600%	
66) 1,2-Dichlorobenzene-d4	12.192	152	37607	4.088	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	81.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	52090	5.594	ug/L	99
3) Chloromethane	1.520	50	56507	4.640	ug/L	99
5) Vinyl chloride	1.600	62	56682	5.195	ug/L	100
6) Bromomethane	1.858	94	34916	5.013	ug/L	100
8) Chloroethane	1.932	64	36654m	5.701	ug/L	
9) Trichlorofluoromethane	2.137	101	71019	5.944	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	41933	6.309	ug/L	97
12) 1,1-Dichloroethene	2.575	96	38826	5.531	ug/L	87
13) Acetone	2.658	43	69812	60.822	ug/L	91
14) Carbon disulfide	2.790	76	124908	4.982	ug/L	99
15) Methyl Acetate	2.960	43	17566	5.605	ug/L	93
16) Methylene chloride	3.044	84	49892	4.651	ug/L	96
17) Methyl tert-butyl Ether	3.366	73	89855	4.904	ug/L	98
18) trans-1,2-Dichloroethene	3.349	96	41626	5.296	ug/L	97
19) 1,1-Dichloroethane	3.867	63	79135	5.317	ug/L	99
21) 2-Butanone	4.719	43	115690	56.051	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	45818	5.252	ug/L	97
23) Bromochloromethane	4.973	128	20964	5.028	ug/L	97

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 01:20:27 2022
 Response via : Initial Calibration

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

25) Chloroform	5.089	83	83400	5.256	ug/L	98
27) 1,2-Dichloroethane	5.796	62	48420	5.014	ug/L	98
29) 1,1,1-Trichloroethane	5.317	97	67867	5.622	ug/L	99
30) Cyclohexane	5.388	56	64347	6.119	ug/L	99
31) Carbon tetrachloride	5.523	117	57208	5.782	ug/L	100
33) Benzene	5.774	78	183597	5.325	ug/L	100
34) Trichloroethene	6.542	95	44549	5.343	ug/L	98
35) Methylcyclohexane	6.764	83	66904	6.216	ug/L	99
37) 1,2-Dichloropropane	6.793	63	48218	5.251	ug/L	100
38) Bromodichloromethane	7.105	83	59044	5.293	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	60902	5.082	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	267017	50.203	ug/L	99
42) Toluene	7.970	91	190919	5.522	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	52464	5.104	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	34305	4.998	ug/L	97
47) Tetrachloroethene	8.552	164	33310	5.576	ug/L	97
48) 2-Hexanone	8.687	43	203955	49.579	ug/L	99
49) Dibromochloromethane	8.809	129	39731	5.229	ug/L	96
50) 1,2-Dibromoethane	8.925	107	31959	5.135	ug/L	97
51) Chlorobenzene	9.446	112	113309	5.209	ug/L	96
52) Ethylbenzene	9.571	91	184849	5.479	ug/L	100
53) m,p-Xylene	9.693	106	71320	5.740	ug/L	98
54) o-Xylene	10.102	106	69464	5.601	ug/L	99
55) Styrene	10.115	104	111191	5.366	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	45780	5.075	ug/L	97
59) Bromoform	10.291	173	21817	4.634	ug/L	97
60) Isopropylbenzene	10.484	105	177403	5.658	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	30030	4.695	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	48077	5.427	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	134045	5.554	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	82259	5.205	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	78400	5.098	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	79354	5.185	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	6093	4.859	ug/L	95
69) 1,3,5-Trichlorobenzene	13.217	180	59222	5.261	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	45214	5.301	ug/L	98
71) Naphthalene	14.085	128	81685	4.670	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	44268	5.120	ug/L	99

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

The chromatogram displays a series of peaks representing different chemical compounds. The y-axis is labeled 'Abundance' and ranges from 0 to 480,000. The x-axis is labeled 'Time-->' and ranges from 2.00 to 17.00 minutes. The following table lists the compounds identified in the chromatogram, along with their approximate retention times and relative abundances.

Compound	Approx. Retention Time (min)	Approx. Abundance
Dichlorodifluoromethane, T	1.5	100,000
Chloromethane, T	1.8	60,000
Vinylchloride, T	2.0	100,000
Chloroethane, T	2.2	100,000
Trichlorofluoromethane, T	2.5	100,000
Acetone, T	2.8	100,000
Methyl acetate, T	3.0	100,000
Carbon disulfide, T	3.2	100,000
Methylene chloride, T	3.5	100,000
Methylcyclohexane, T	3.8	100,000
1,1-Dichloroethane, T	4.0	100,000
1,1,2-Trichloroethane, T	4.2	100,000
2-Butanol, T	4.5	100,000
2-Pentanol, T	4.8	100,000
2-Butanol, T	5.0	100,000
Bromochloromethane, T	5.2	100,000
1,1,1-Trichloroethane, T	5.5	100,000
Carbon tetrachloride, T	5.8	100,000
1,2-Dichloroethane, T	6.0	100,000
1,2-Dichloroethane, T	6.2	100,000
1,4-Difluorobenzene, T	6.5	100,000
Trichloroethene, T	6.8	100,000
1,2-Dichloropropane, T	7.0	100,000
Methylcyclohexane, T	7.2	100,000
Bromodichloromethane, T	7.5	100,000
cis-1,3-Dichloropropene, T	7.8	100,000
Toluene, T	8.0	100,000
trans-1,3-Dichloropropene, T	8.2	100,000
1,1,2-Trichloroethane, T	8.5	100,000
1,2-Dichloroethane, T	8.8	100,000
1,2-Dibromochloromethane, T	9.0	100,000
Chlorobenzene, T	9.5	100,000
m,p-Xylene, T	9.8	100,000
Ethylbenzene, T	10.0	100,000
Bromobenzene, T	10.5	100,000
1,3,5-Trimethylbenzene	11.0	100,000
1,2,4-Trichlorobenzene, T	11.5	100,000
1,4-Dichlorobenzene, T	12.0	100,000
1,2-Dichlorobenzene, T	12.5	100,000
1,2-Dibromo-3-chloropropane, T	13.0	100,000
1,3,5-Trichlorobenzene, MA	13.5	100,000
Naphthalene, MA	14.0	100,000
1,2,4-trichlorobenzene, T	14.5	100,000
1,2,3-Trichlorobenzene, T	15.0	100,000