

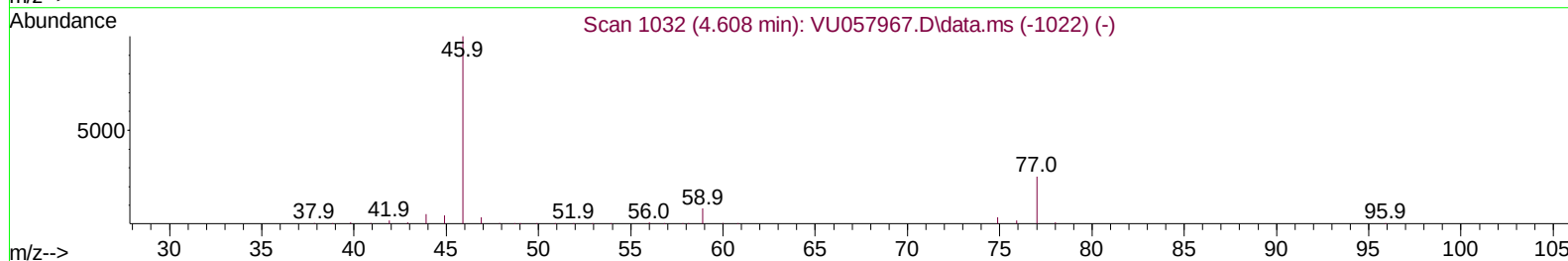
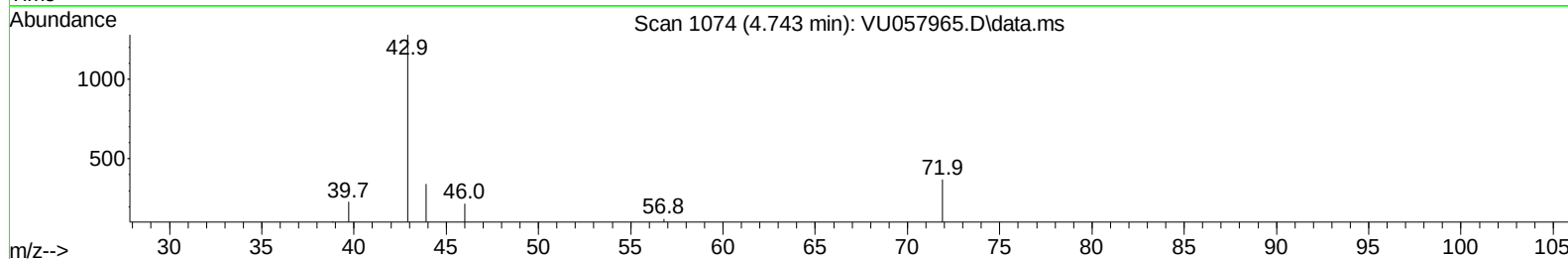
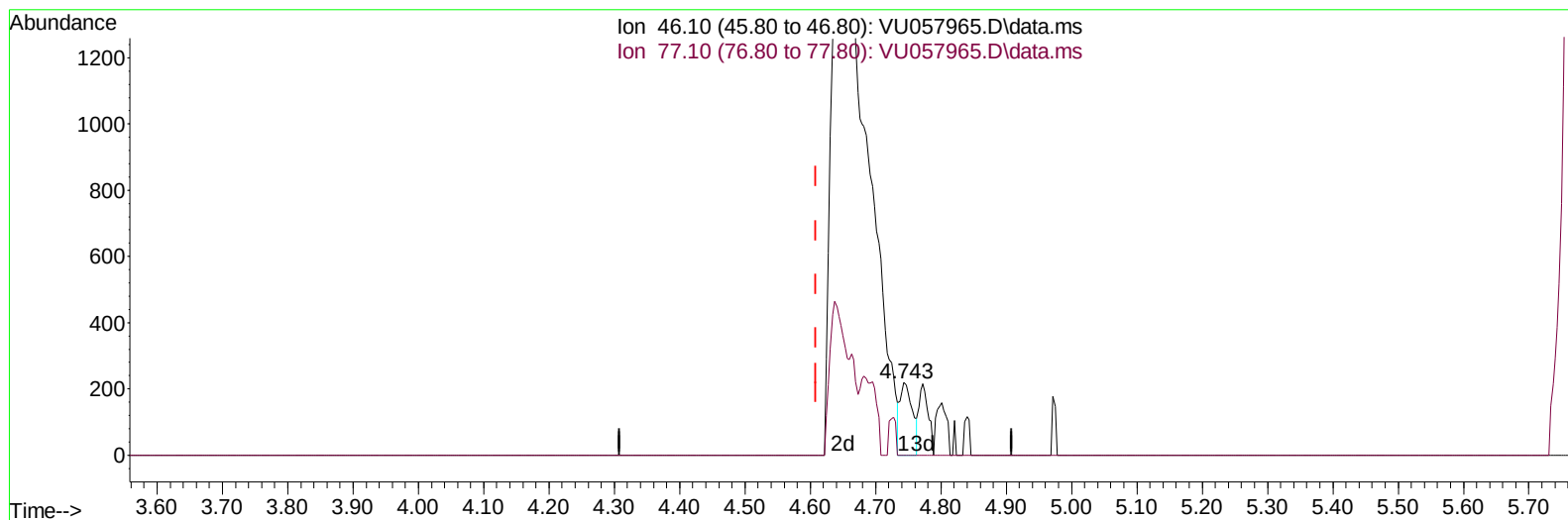
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022924\
Data File : VU057965.D
Acq On : 29 Feb 2024 09:40
Operator : MD/SY
Sample : VSTD0.535
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5035

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024

Quant Time: Mar 01 05:02:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 01 05:01:31 2024
Response via : Initial Calibration



TIC: VU057965.D\data.ms

(20) 2-Butanone-d5 (S)

4.743min (+ 0.135) 0.17 ug/L

response 286

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	24.30	29.02
0.00	0.00	0.00
0.00	0.00	0.00

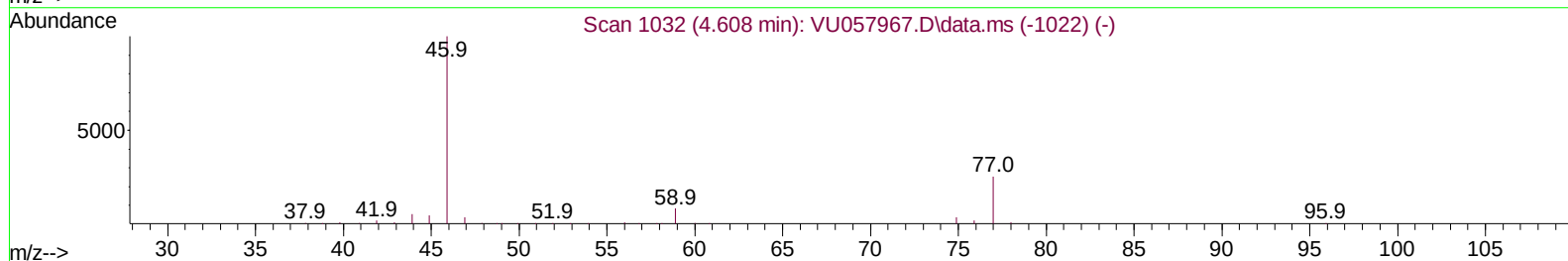
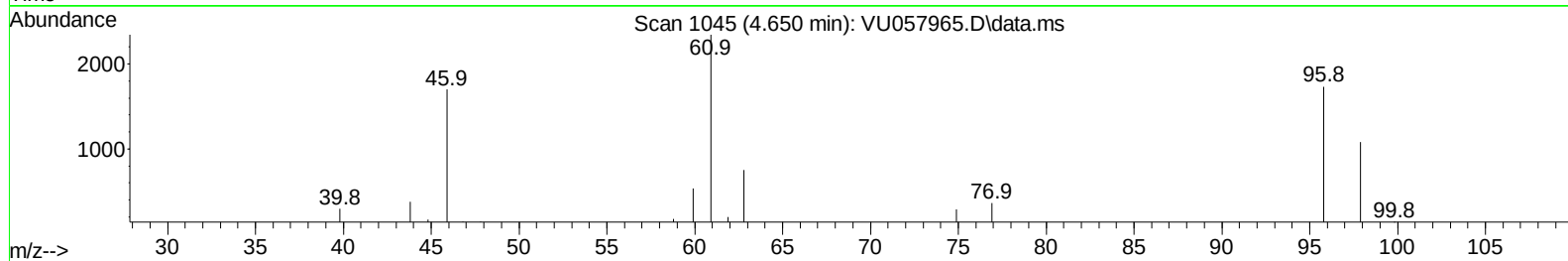
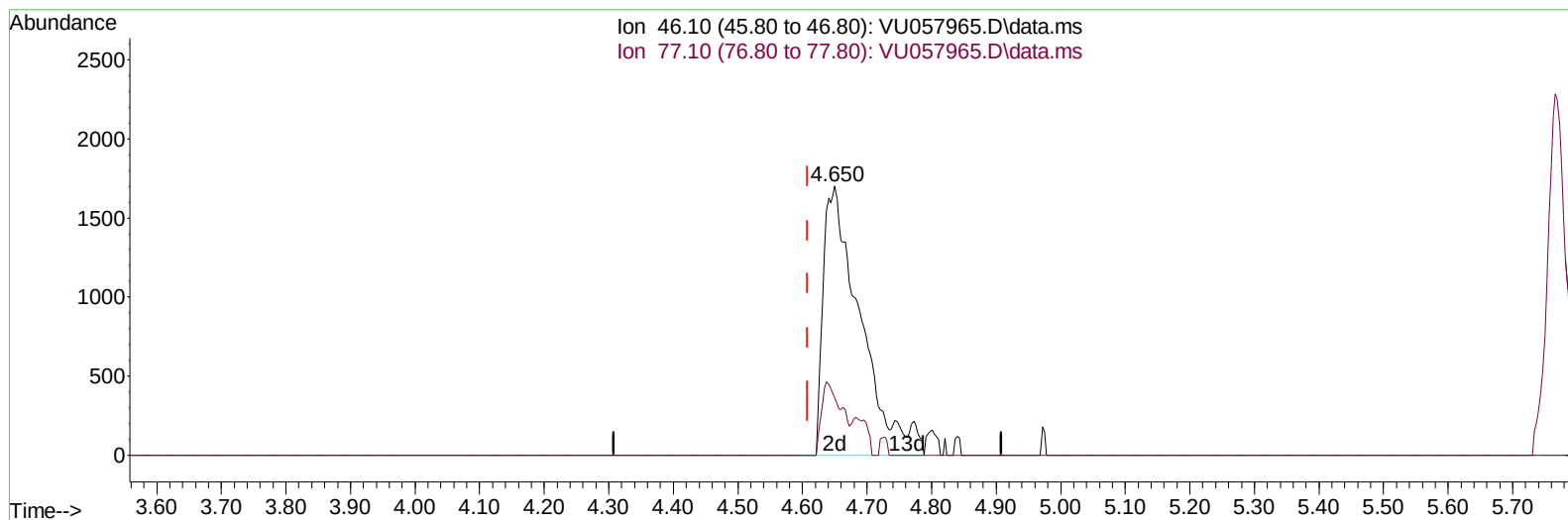
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TIC: VU057965.D\data.ms

(20) 2-Butanone-d5 (S)

4.650min (+ 0.042) 3.91 ug/L m

response 6723

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	24.30	1.23#
0.00	0.00	0.00
0.00	0.00	0.00

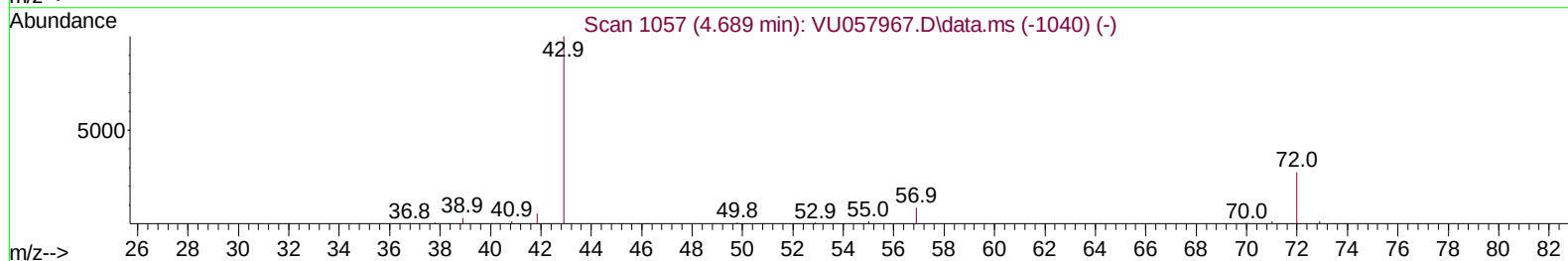
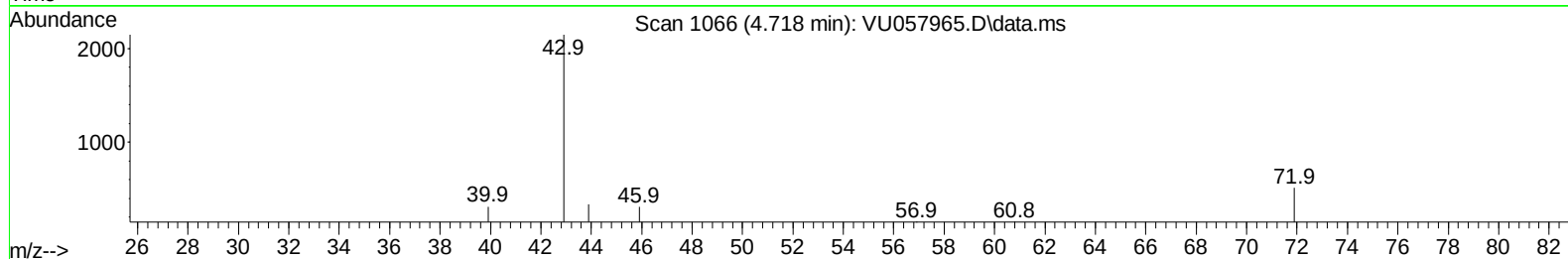
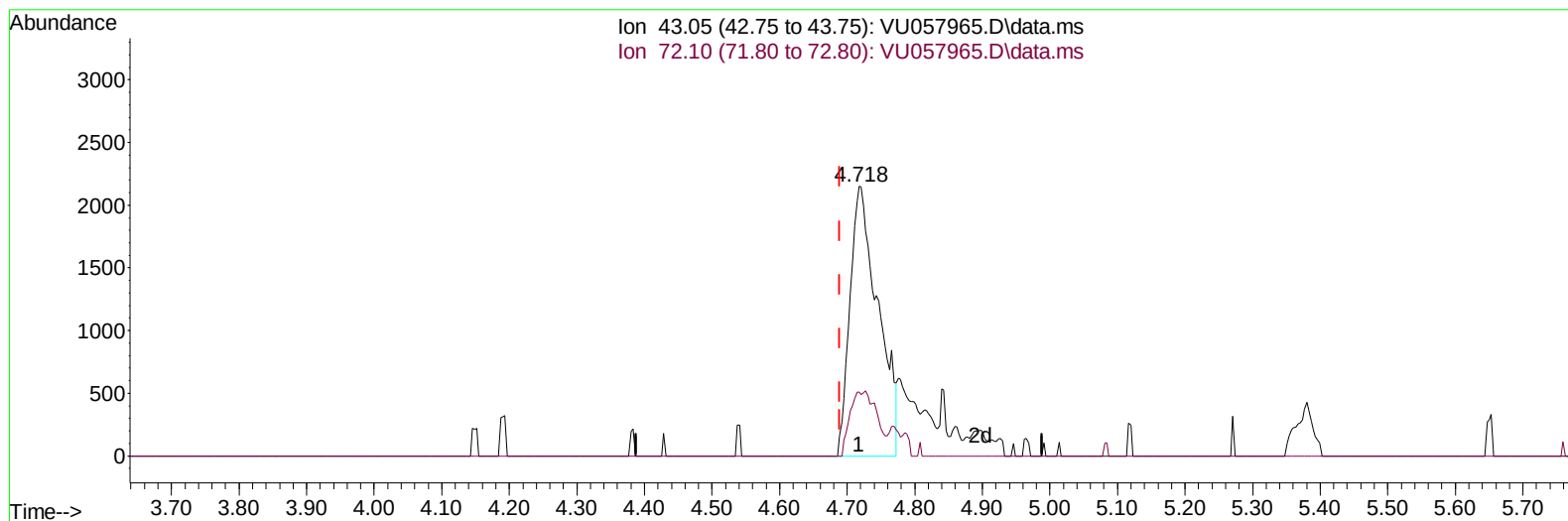
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TIC: VU057965.D\data.ms

(21) 2-Butanone (T)

4.718min (+ 0.029) 2.52 ug/L

response 6207

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	26.00	10.31#
0.00	0.00	0.00
0.00	0.00	0.00

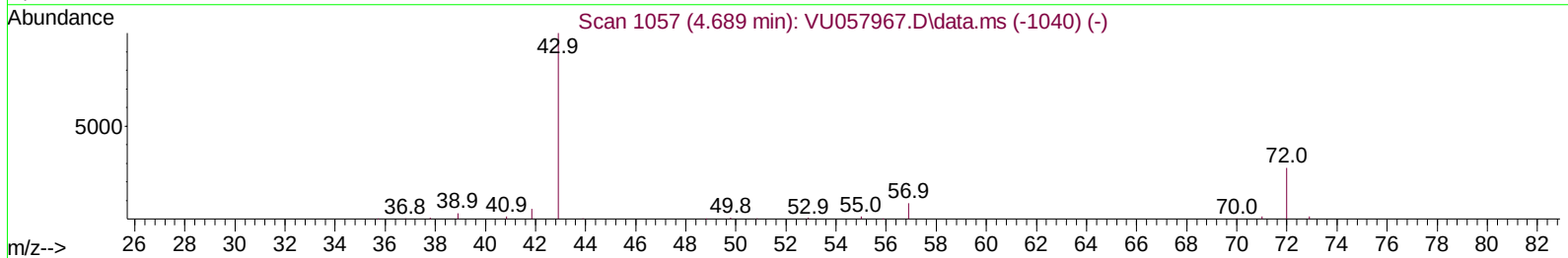
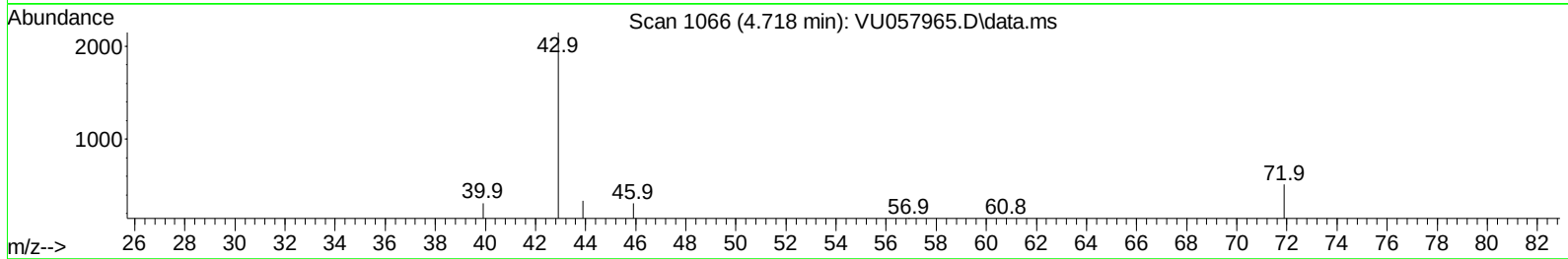
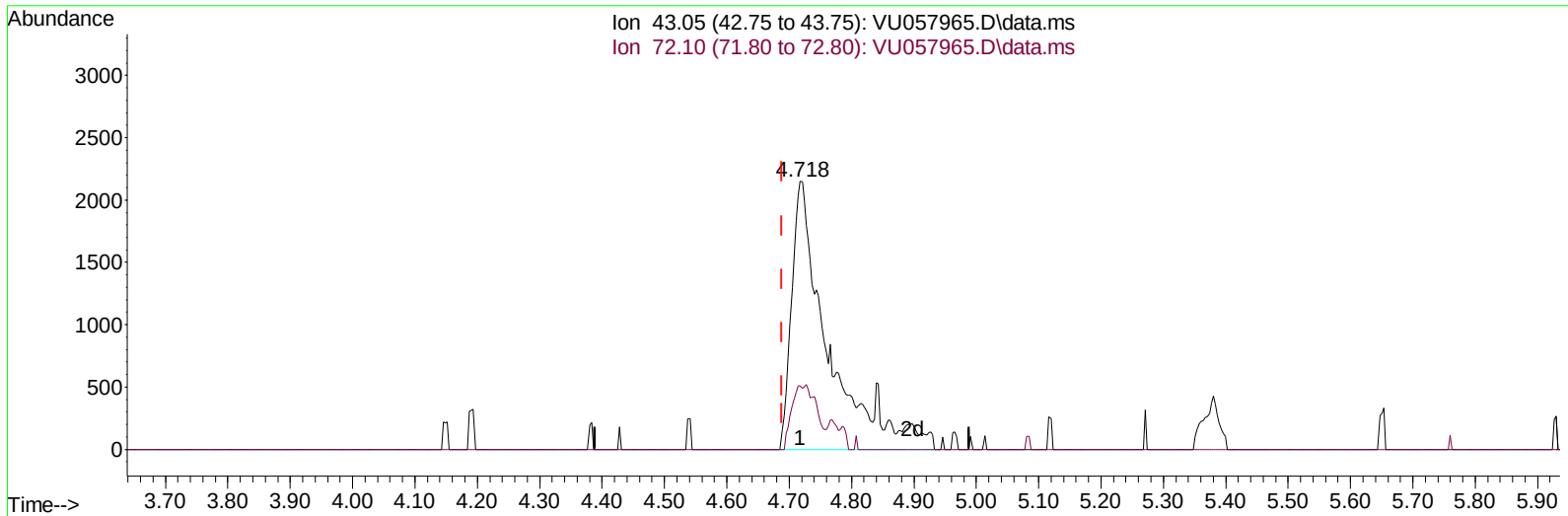
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TIC: VU057965.D\data.ms

(21) 2-Butanone (T)

4.718min (+ 0.029) 3.56 ug/L m

response 8768

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	26.00	7.30#
0.00	0.00	0.00
0.00	0.00	0.00

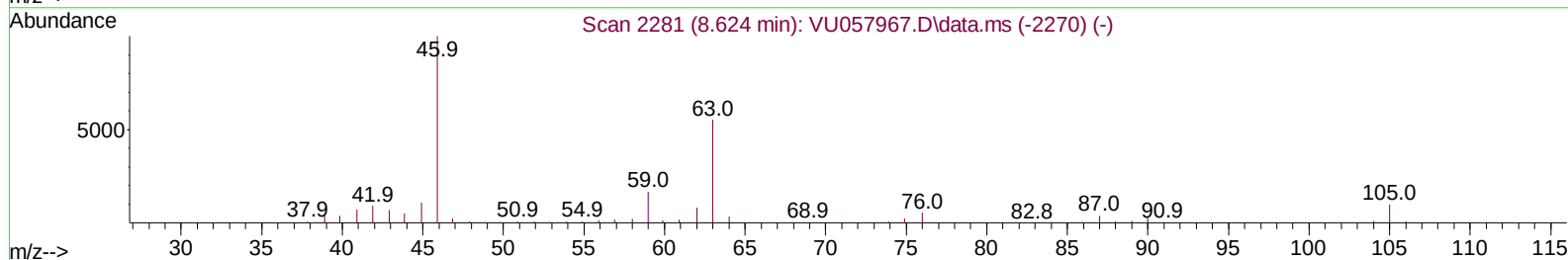
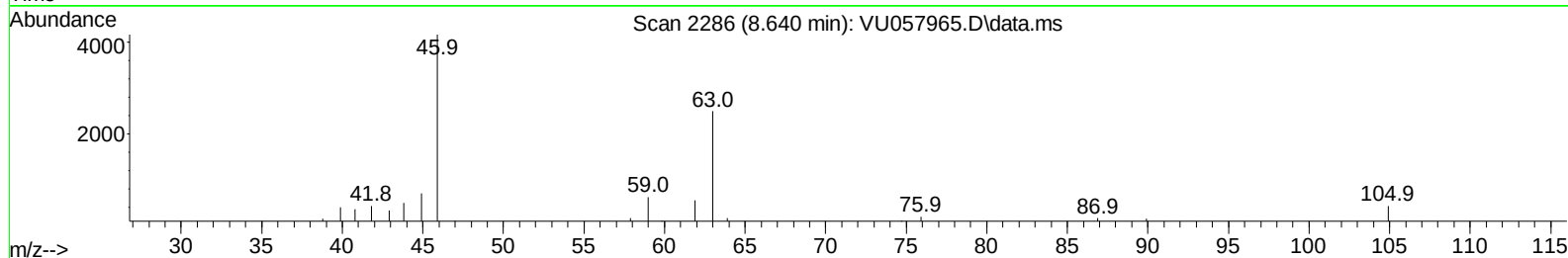
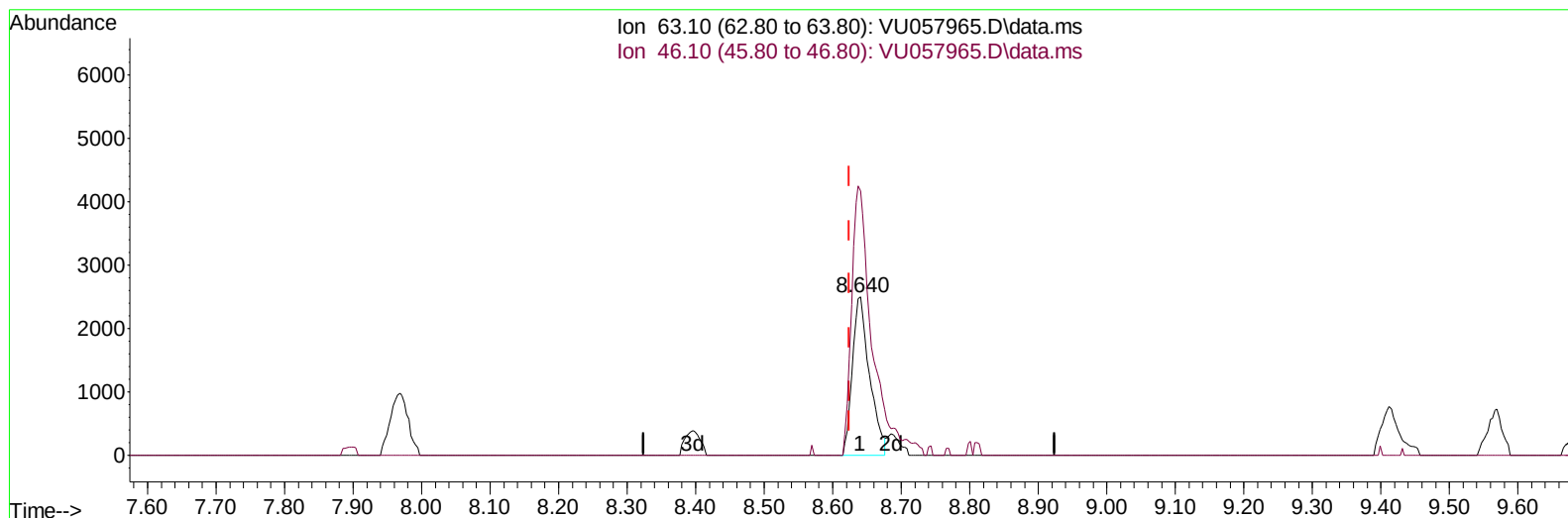
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Data File : VU057965.D
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Operator : MD/SY
Sample : VSTD0.535
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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TIC: VU057965.D\data.ms

(46) 2-Hexanone-d5 (S)**8.640min (+ 0.016) 3.21 ug/L****response 4335**

Ion	Exp%	Act%
63.10	100.00	100.00
46.10	180.30	196.98
0.00	0.00	0.00
0.00	0.00	0.00

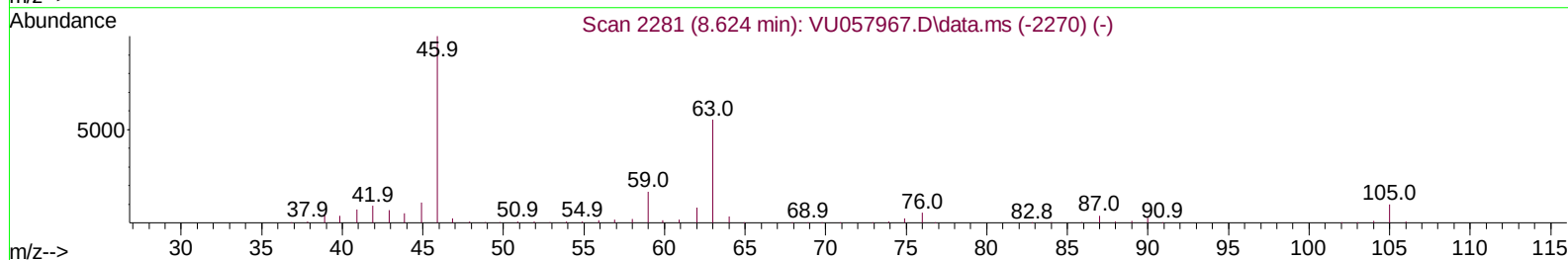
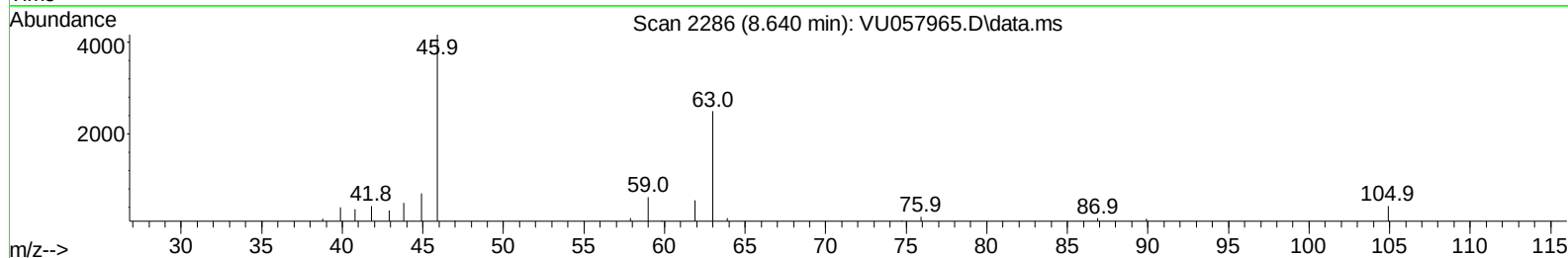
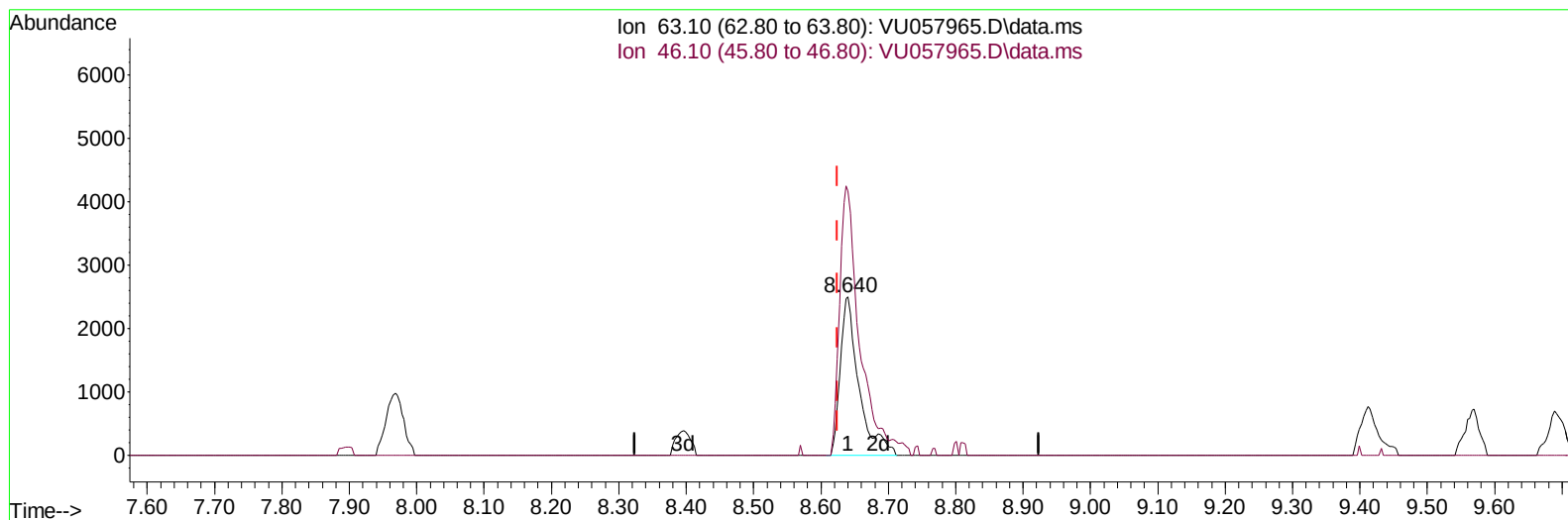
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022924\
Data File : VU057965.D
Acq On : 29 Feb 2024 09:40
Operator : MD/SY
Sample : VSTD0.535
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD0.5035

Manual IntegrationsAPPROVED

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TIC: VU057965.D\data.ms

(46) 2-Hexanone-d5 (S)

8.640min (+ 0.016) 3.54 ug/L m

response 4771

Ion	Exp%	Act%
63.10	100.00	100.00
46.10	180.30	178.98
0.00	0.00	0.00
0.00	0.00	0.00

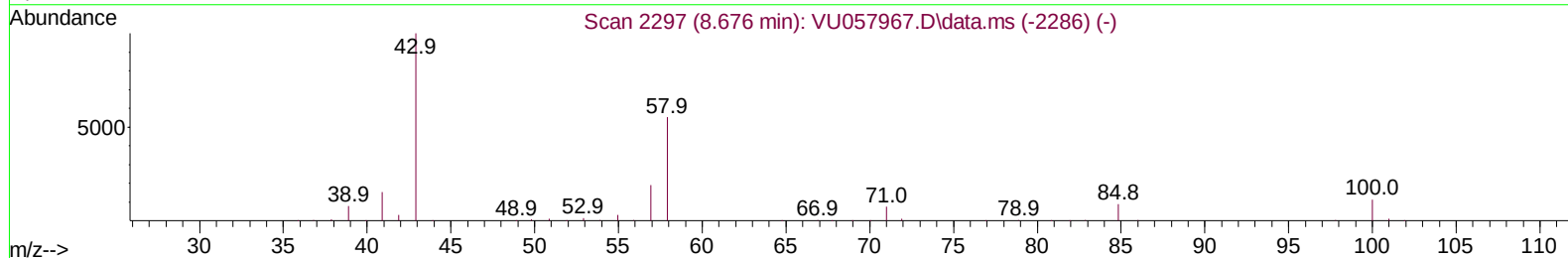
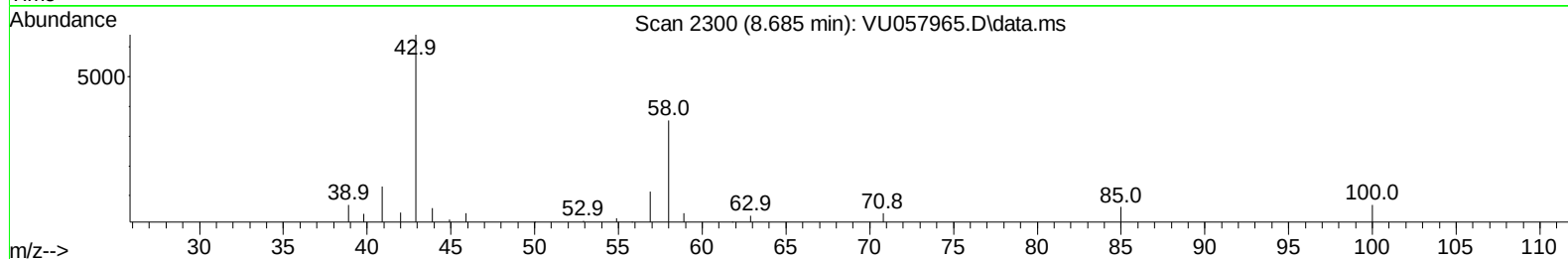
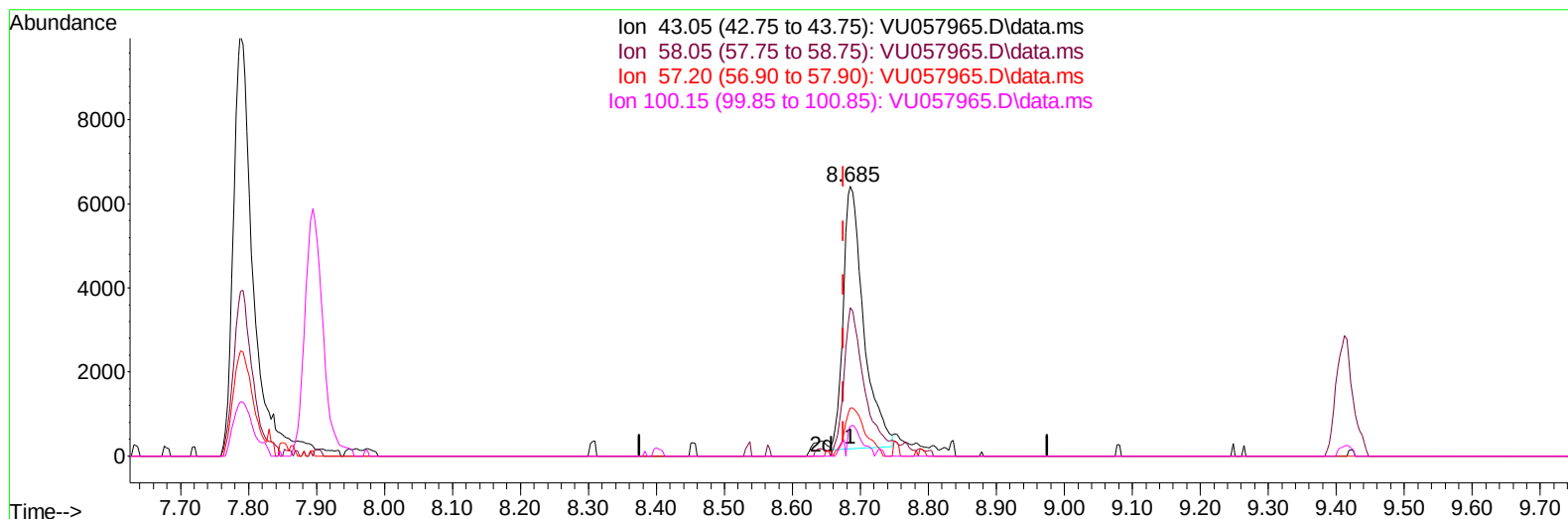
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TIC: VU057965.D\data.ms

(48) 2-Hexanone (T)

8.685min (+ 0.010) 3.14 ug/L

response 12992

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	54.10	59.72
57.20	19.00	18.67
100.15	10.90	9.19

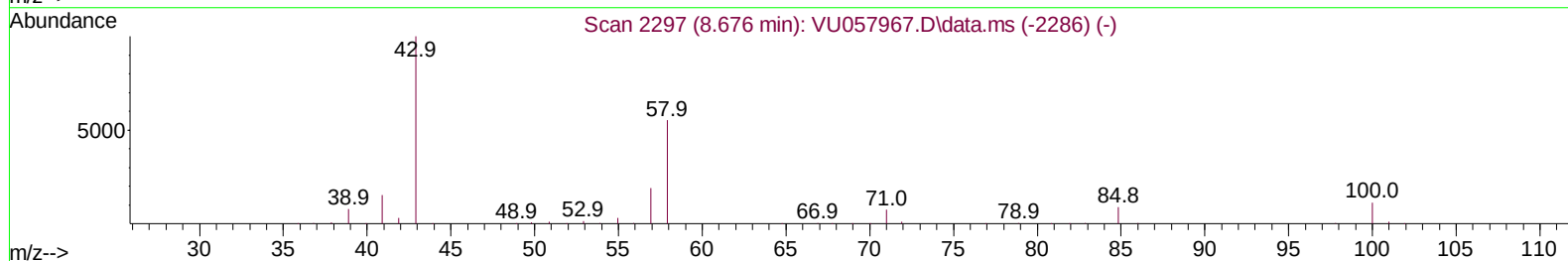
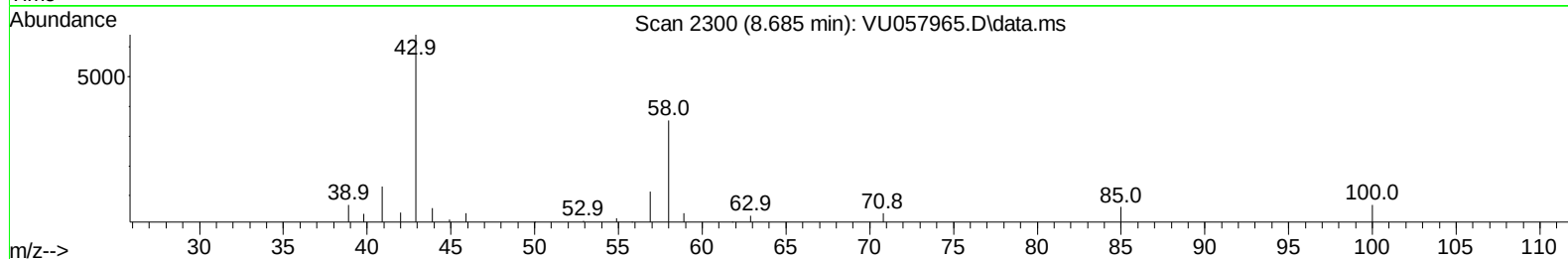
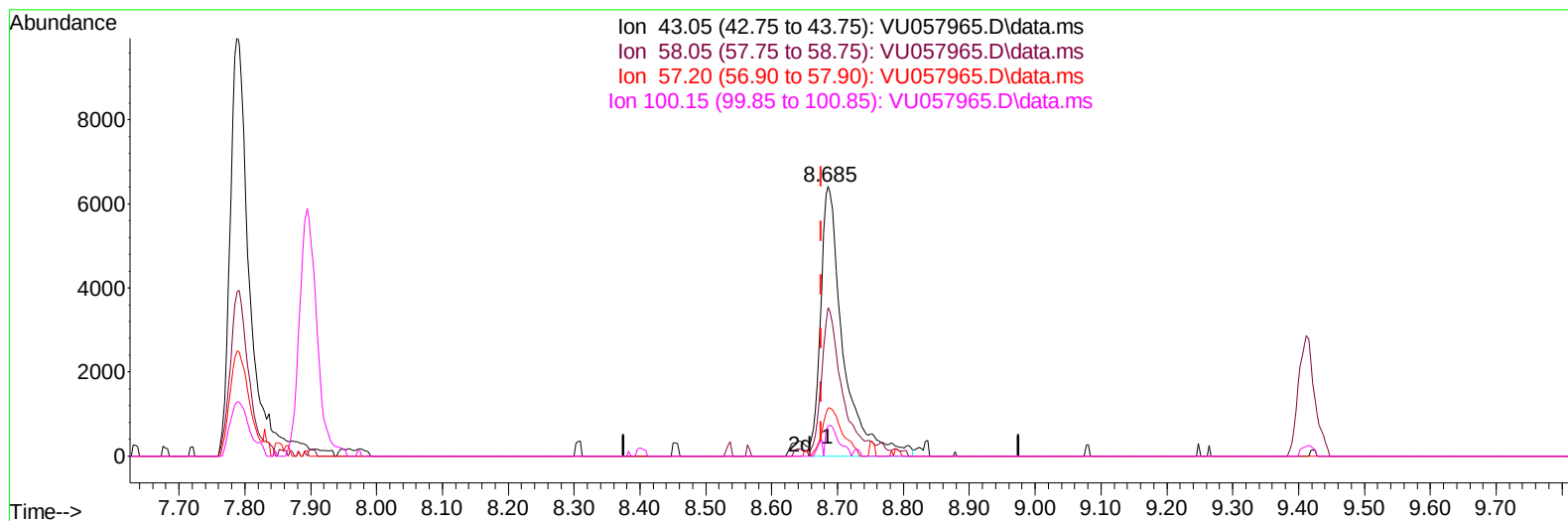
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Data File : VU057965.D
Acq On : 29 Feb 2024 09:40
Operator : MD/SY
Sample : VSTD0.535
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5035

Manual IntegrationsAPPROVED

Quant Time: Mar 01 05:02:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
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Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024



TIC: VU057965.D\data.ms

(48) 2-Hexanone (T)

8.685min (+ 0.010) 3.67 ug/L m

response 15210

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	54.10	51.01
57.20	19.00	15.95
100.15	10.90	7.85#

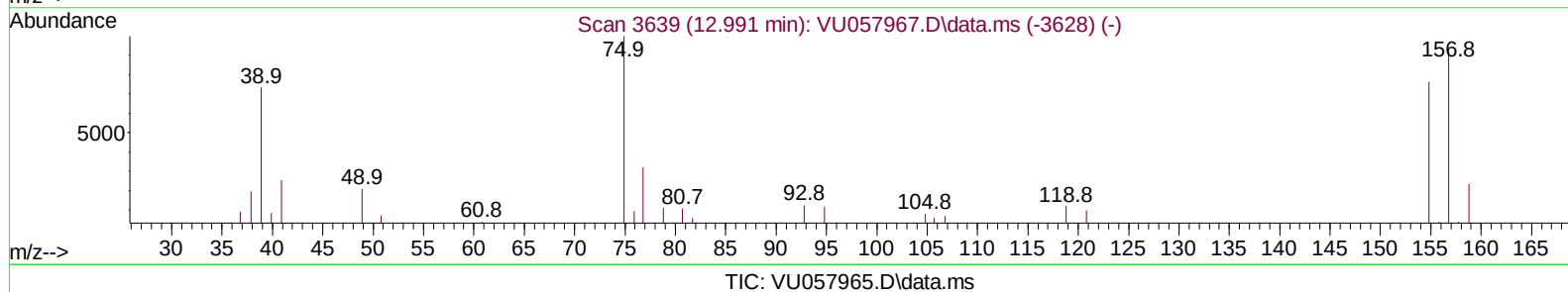
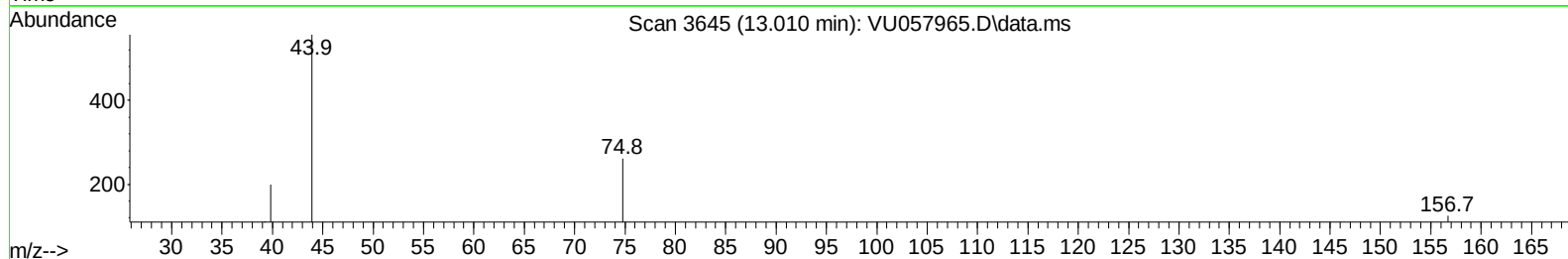
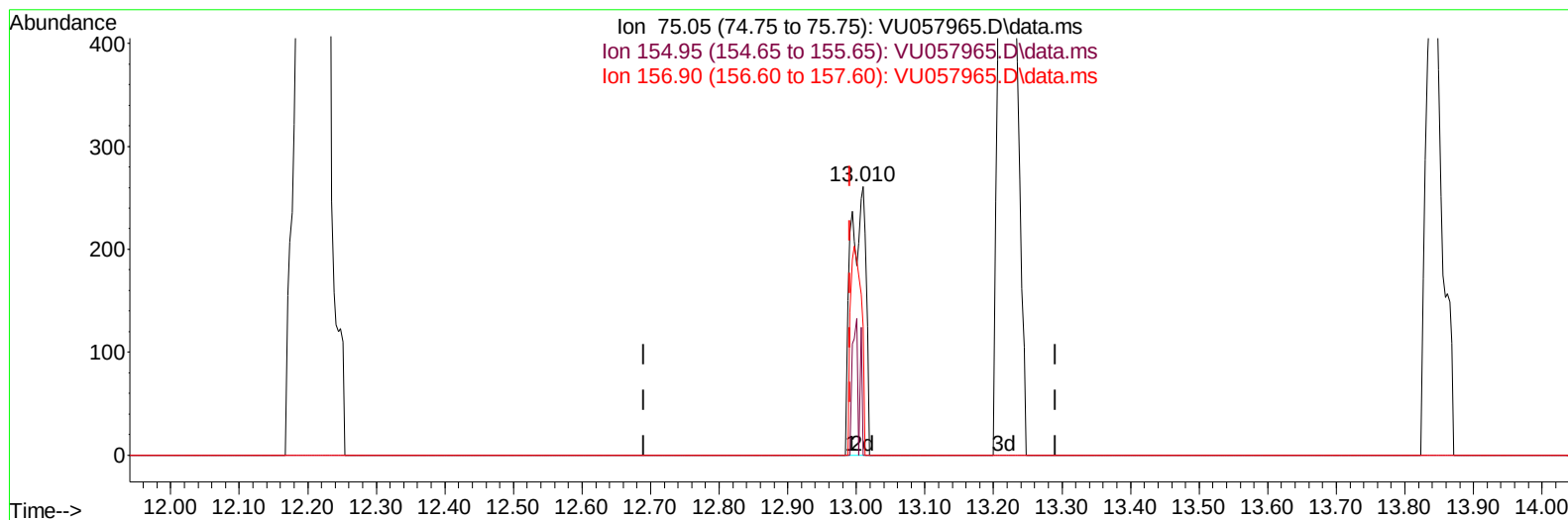
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Instrument :
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ClientSampleId :
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Supervised By :Semsettin Yesilyurt 03/01/2024



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

13.010min (+ 0.019) 0.34 ug/L m

response 396

Ion	Exp%	Act%
75.05	100.00	100.00
154.95	76.30	0.00#
156.90	93.30	47.89#
0.00	0.00	0.00

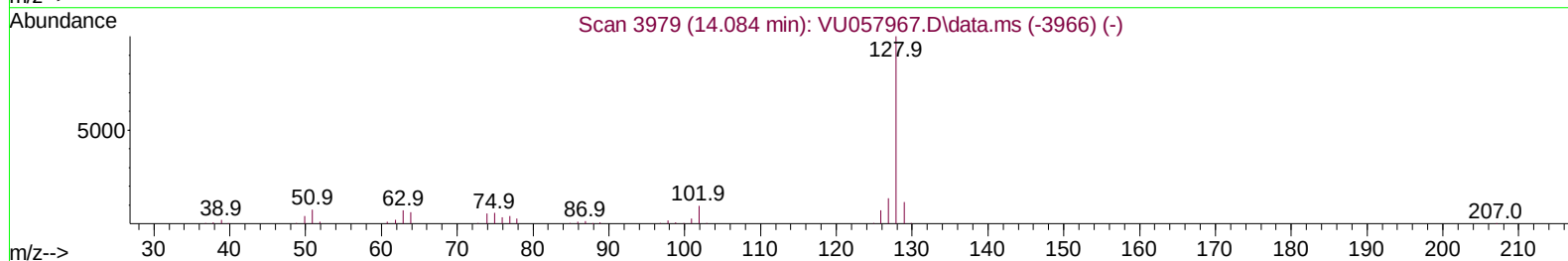
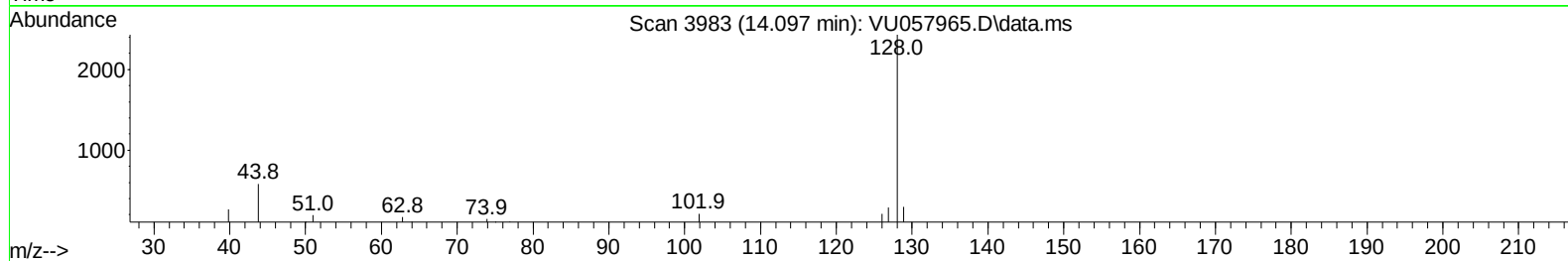
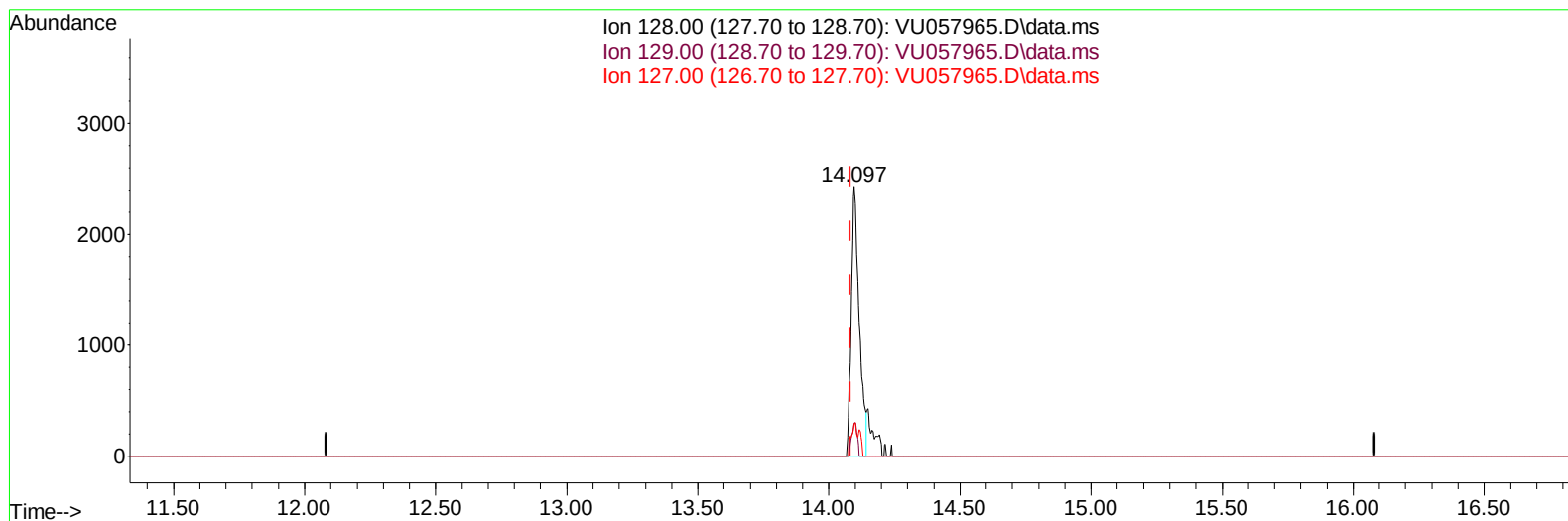
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TIC: VU057965.D\data.ms

(71) Naphthalene (MA)

14.097min (+ 0.013) 0.30 ug/L

response 5128

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.30	8.44#
127.00	13.30	8.78#
0.00	0.00	0.00

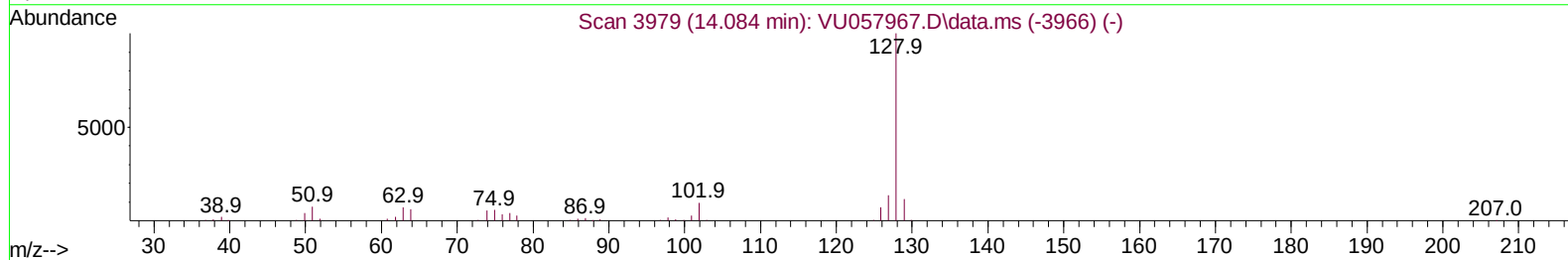
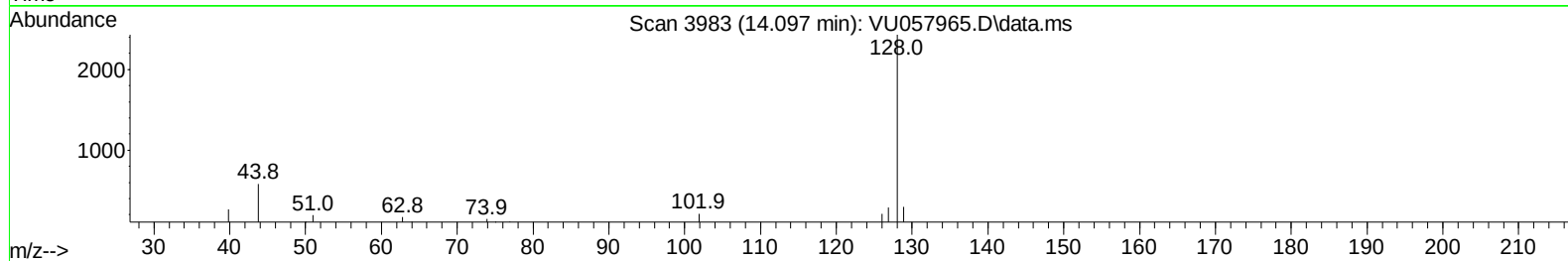
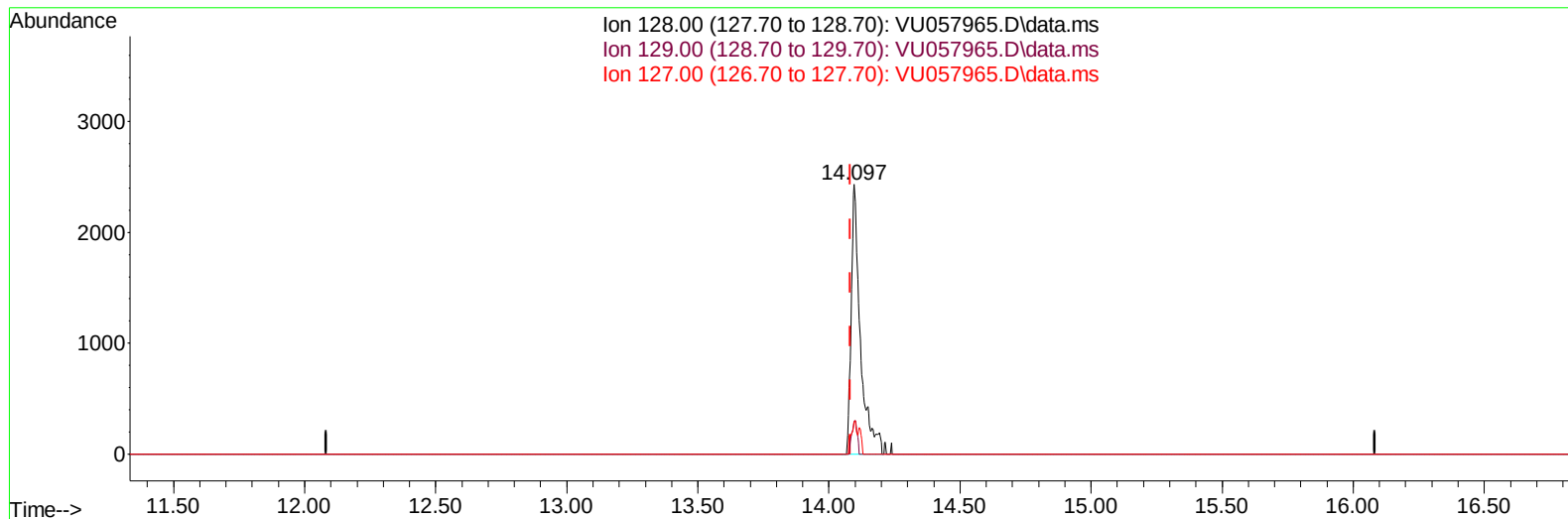
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TIC: VU057965.D\data.ms

(71) Naphthalene (MA)

14.097min (+ 0.013) 0.34 ug/L m

response 5904

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.30	7.33#
127.00	13.30	7.62#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	160236	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	144636	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	65446	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	5303	0.564	ug/L	0.00
7) Chloroethane-d5	1.904	69	4181	0.531	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	2229	0.511	ug/L	0.00
20) 2-Butanone-d5	4.650	46	6723m	3.907	ug/L	0.04
24) Chloroform-d	5.055	84	9550	0.507	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	4047	0.474	ug/L	0.00
32) Benzene-d6	5.721	84	18810	0.528	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	5876	0.544	ug/L	0.00
41) Toluene-d8	7.894	98	16985	0.505	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	1847	0.442	ug/L	0.00
46) 2-Hexanone-d5	8.640	63	4771m	3.537	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.753	84	3334	0.468	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	4804	0.507	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	4401	0.341	ug/L	95
3) Chloromethane	1.512	50	5471	0.413	ug/L	94
5) Vinyl chloride	1.596	62	5472	0.386	ug/L	89
6) Bromomethane	1.850	94	2883	0.388	ug/L	89
8) Chloroethane	1.924	64	3461	0.401	ug/L	99
9) Trichlorofluoromethane	2.129	101	7839	0.376	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4791	0.391	ug/L	97
12) 1,1-Dichloroethene	2.573	96	4356	0.384	ug/L	91
13) Acetone	2.621	43	5887	3.740	ug/L	92
14) Carbon disulfide	2.785	76	14125	0.388	ug/L	99
15) Methyl Acetate	2.962	43	1127	0.282	ug/L #	61
16) Methylene chloride	3.036	84	6467	0.528	ug/L	97
17) Methyl tert-butyl Ether	3.348	73	10057	0.376	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	5030	0.421	ug/L	89
19) 1,1-Dichloroethane	3.862	63	9134	0.406	ug/L	98
21) 2-Butanone	4.718	43	8768m	3.559	ug/L	
22) cis-1,2-Dichloroethene	4.657	96	5121	0.396	ug/L	96
23) Bromochloromethane	4.972	128	1742	0.341	ug/L	89
25) Chloroform	5.075	83	9729	0.413	ug/L	97
27) 1,2-Dichloroethane	5.792	62	4756	0.349	ug/L #	88
29) 1,1,1-Trichloroethane	5.306	97	7555	0.367	ug/L	95
30) Cyclohexane	5.377	56	7596	0.379	ug/L	98
31) Carbon tetrachloride	5.518	117	6834	0.379	ug/L	96
33) Benzene	5.766	78	20241	0.415	ug/L	100
34) Trichloroethene	6.538	95	5492	0.412	ug/L	95
35) Methylcyclohexane	6.756	83	7731	0.360	ug/L	98
37) 1,2-Dichloropropane	6.785	63	5132	0.418	ug/L #	89
38) Bromodichloromethane	7.100	83	6197	0.382	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	6448	0.345	ug/L	94
40) 4-Methyl-2-pentanone	7.788	43	19883	3.393	ug/L	99
42) Toluene	7.965	91	20281	0.388	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022924\
 Data File : VU057965.D
 Acq On : 29 Feb 2024 09:40
 Operator : MD/SY
 Sample : VSTD0.535
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5035

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
 Supervised By :Semsettin Yesilyurt 03/01/2024

Quant Time: Mar 01 05:02:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 05:01:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.213	75	5317	0.352	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	2997	0.382	ug/L	87
47) Tetrachloroethene	8.550	164	3611	0.373	ug/L	88
48) 2-Hexanone	8.685	43	15210m	3.672	ug/L	
49) Dibromochloromethane	8.804	129	3346	0.334	ug/L	91
50) 1,2-Dibromoethane	8.923	107	2304	0.306	ug/L #	91
51) Chlorobenzene	9.444	112	13279	0.406	ug/L	99
52) Ethylbenzene	9.566	91	22611	0.386	ug/L	99
53) m,p-Xylene	9.689	106	7629	0.352	ug/L	99
54) o-Xylene	10.097	106	7766	0.369	ug/L	94
55) Styrene	10.113	104	11645	0.358	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	3314	0.350	ug/L	91
59) Bromoform	10.290	173	1587	0.322	ug/L #	94
60) Isopropylbenzene	10.480	105	19723	0.394	ug/L	96
61) 1,2,3-Trichloropropane	10.824	75	2391	0.376	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	15863	0.361	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	14745	0.335	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	8925	0.394	ug/L	93
65) 1,4-Dichlorobenzene	11.833	146	9563	0.438	ug/L	99
67) 1,2-Dichlorobenzene	12.213	146	7863	0.389	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.010	75	396m	0.335	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	6280	0.381	ug/L	99
70) 1,2,4-trichlorobenzene	13.843	180	4377	0.359	ug/L	98
71) Naphthalene	14.097	128	5904m	0.345	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	3539	0.372	ug/L	98

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

