

Quantitation Report (QT Reviewed)

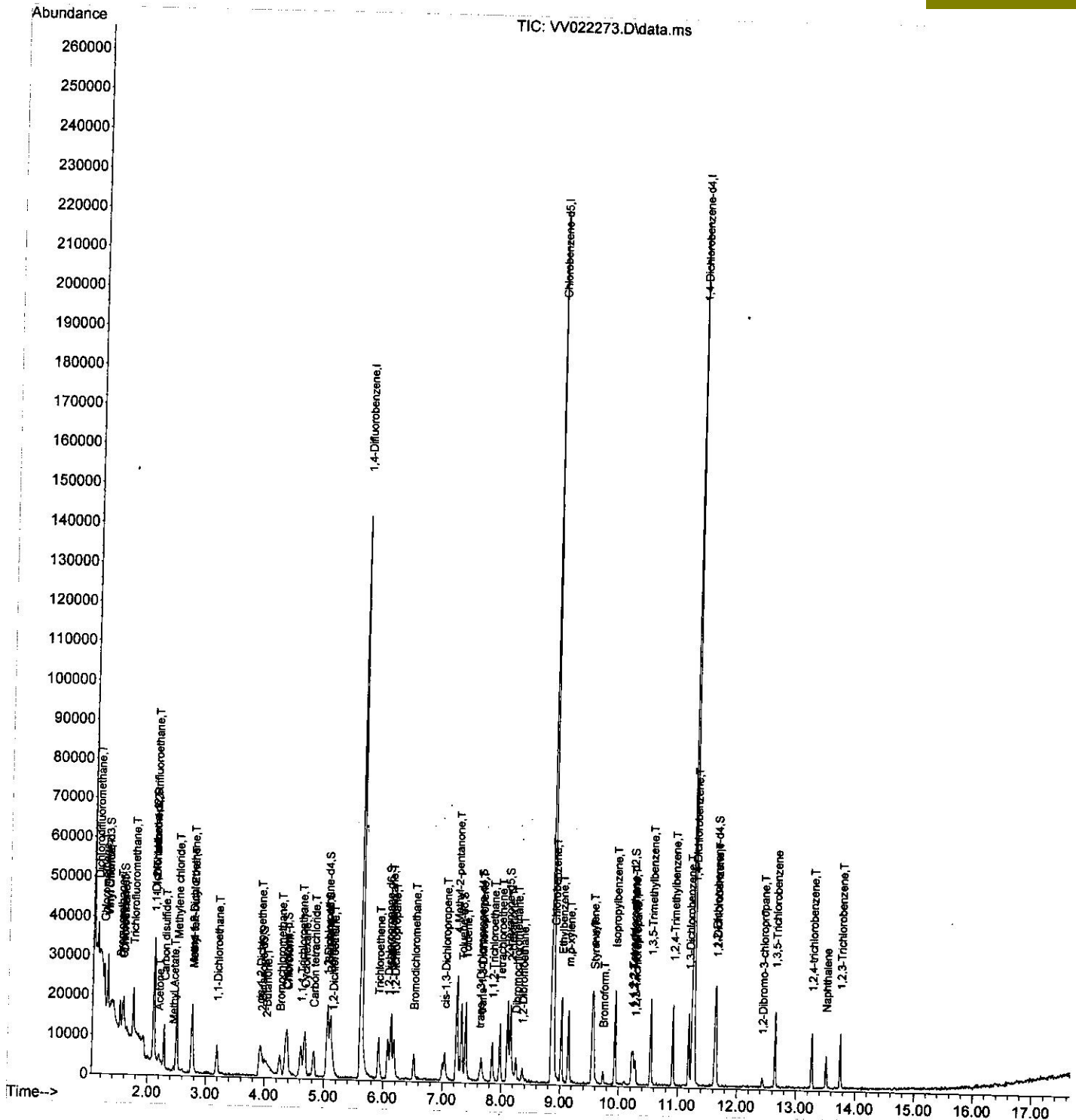
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
Data File : VV022273.D
Acq On : 23 Sep 2021 10:15
Operator : SY/MD
Sample : VSTD0.524
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
Client Sampled :
VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 24 02:37:45 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
9/27/2021 10:55:05 AM



Quantitation Report (Qedit)

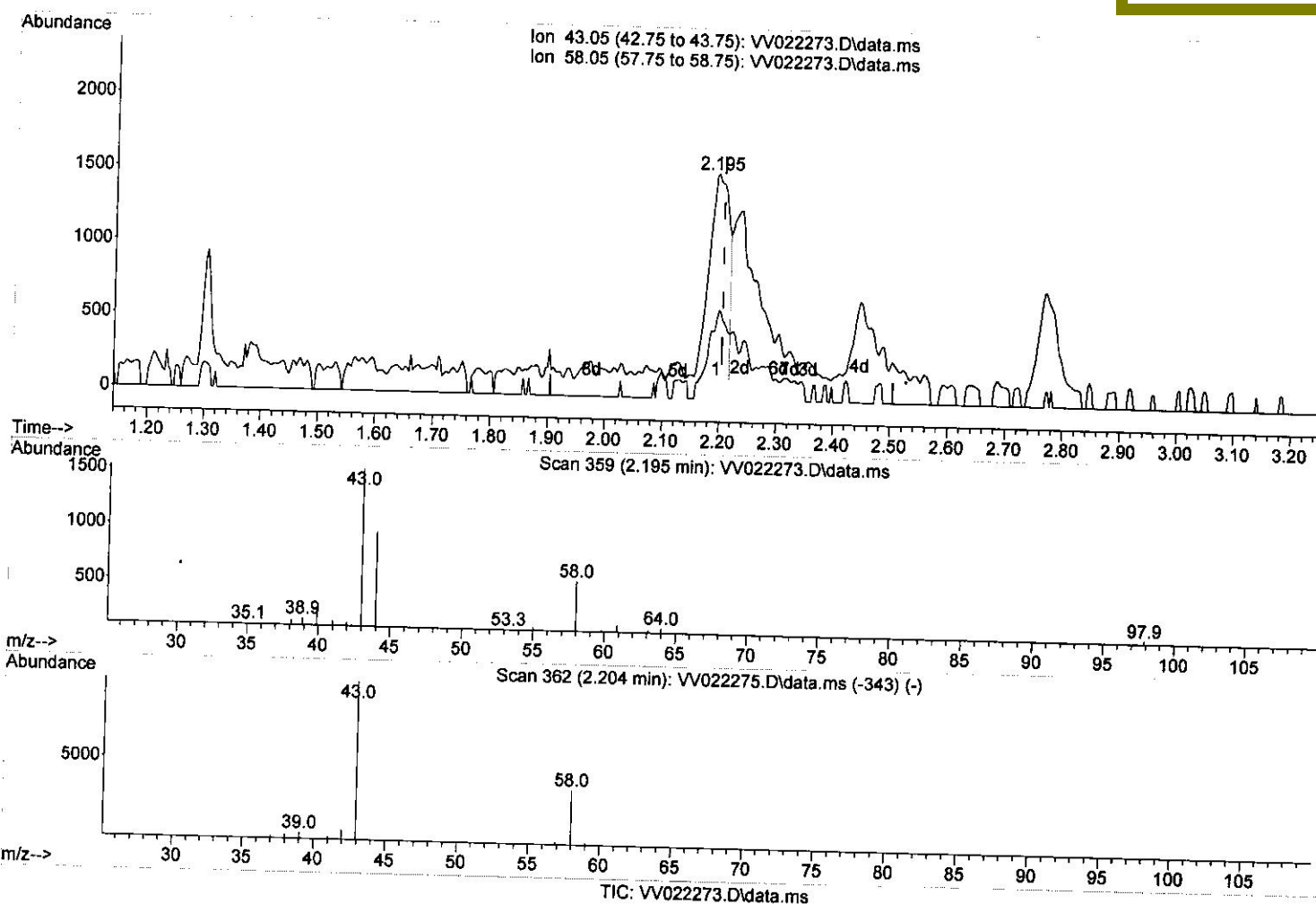
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(13) Acetone (T)

2.195min (-0.010) 2.53 ug/L

response 3352

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	33.10	41.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

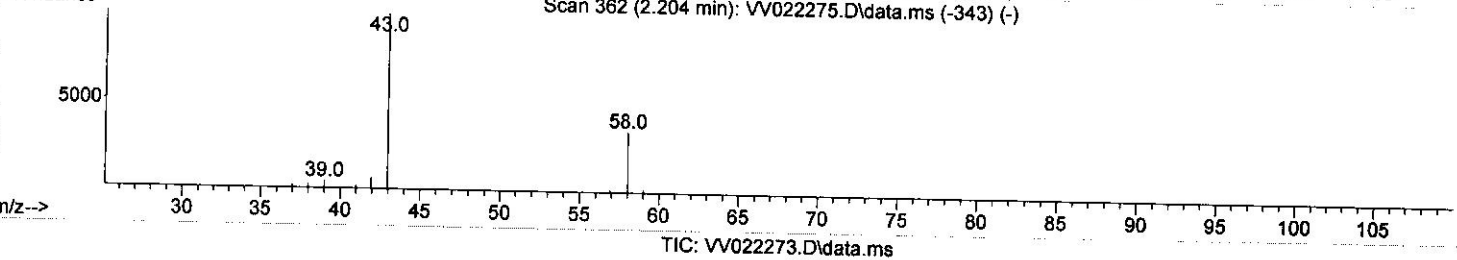
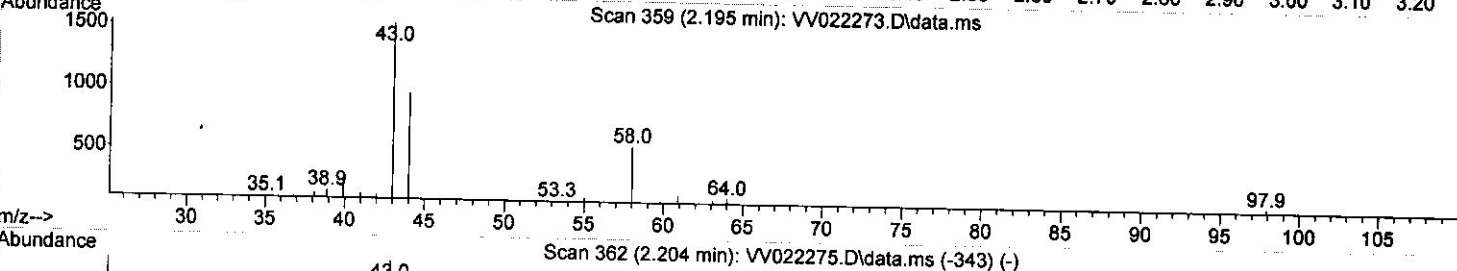
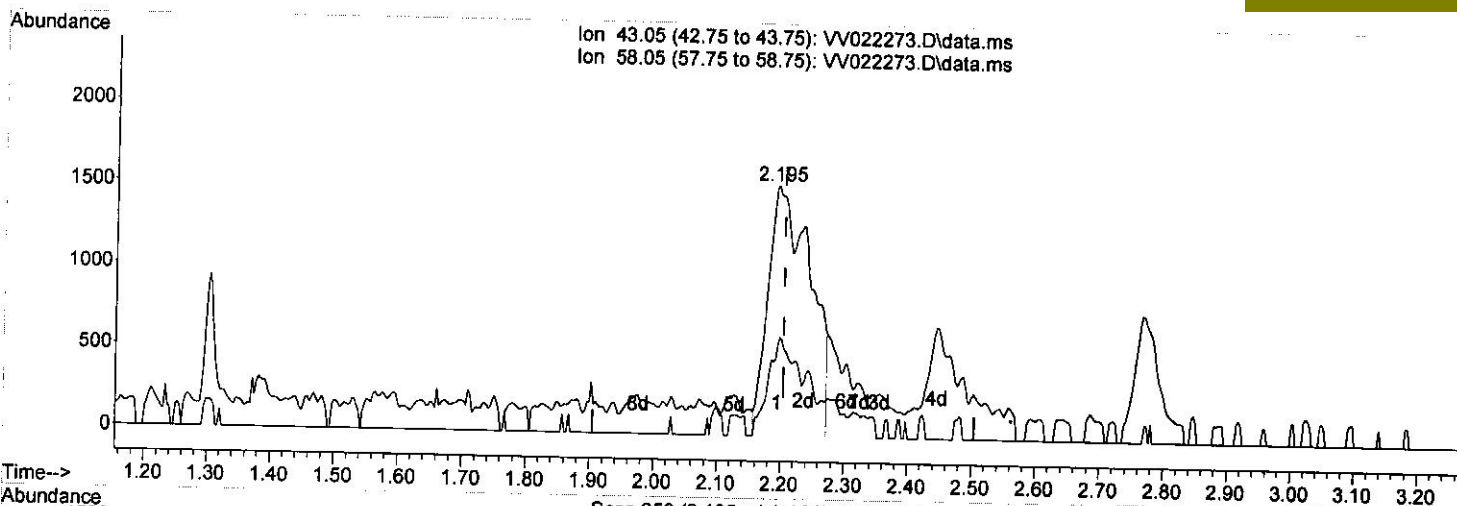
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 Qlast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(13) Acetone (T)

2.195min (-0.010) 5.33 ug/L m 3.54 10/1/21

response 7059

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	33.10	19.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

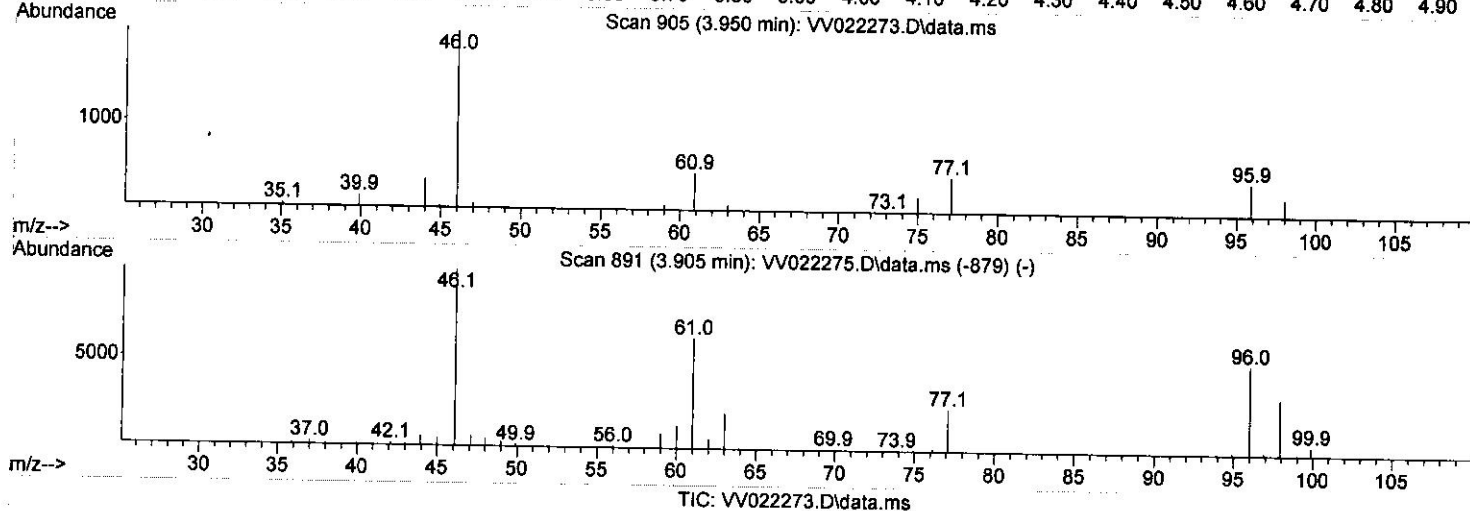
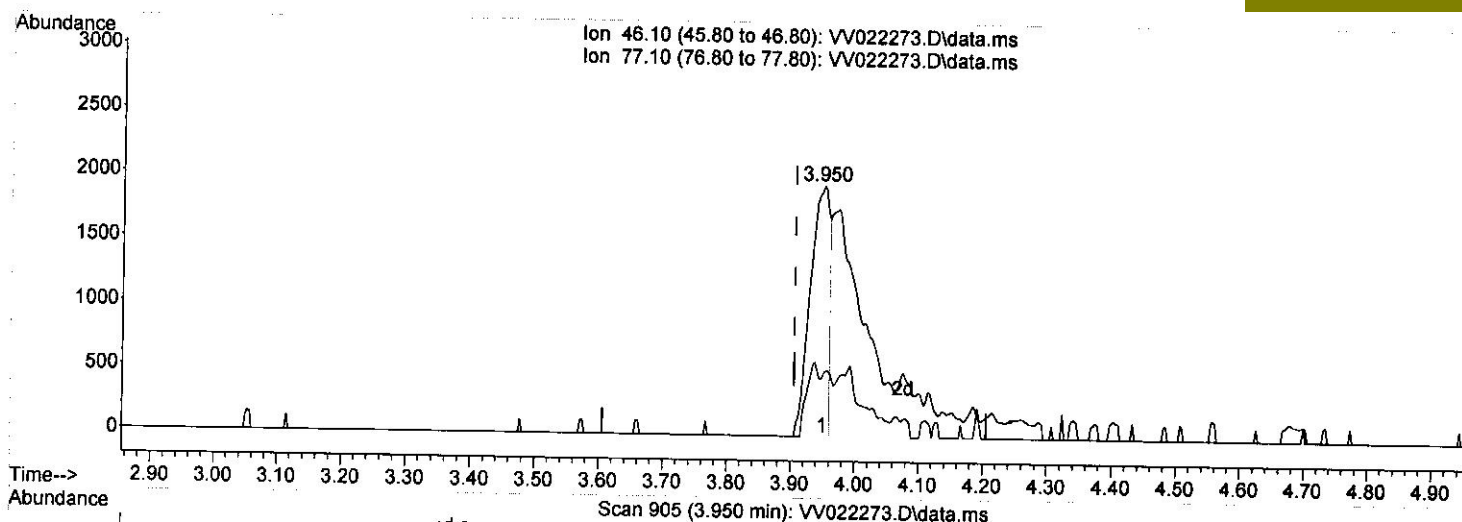
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(20) 2-Butanone-d5 (S)

3.950min (+ 0.045) 1.87 ug/L

response 4039

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	23.40	12.60#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

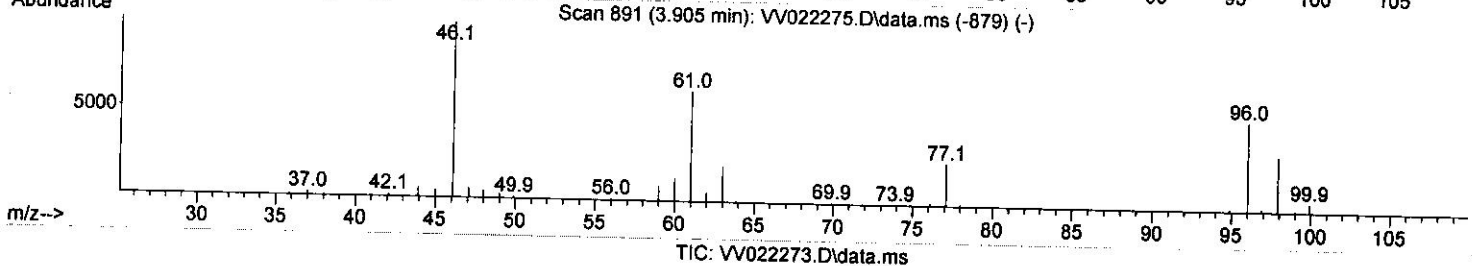
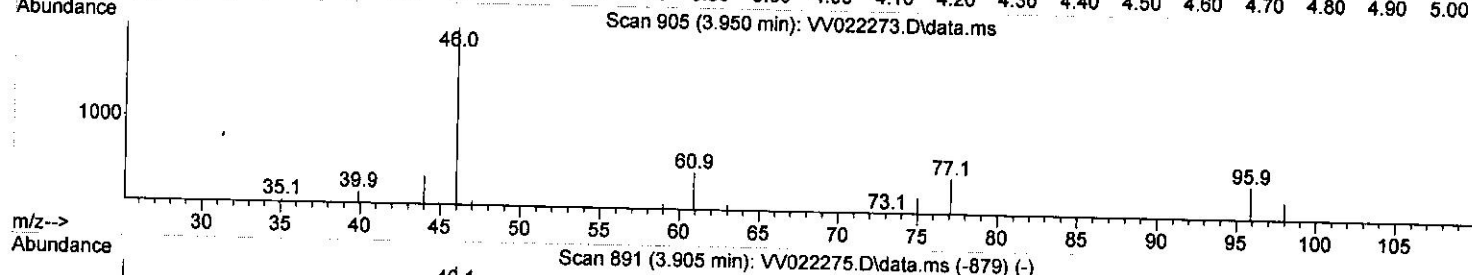
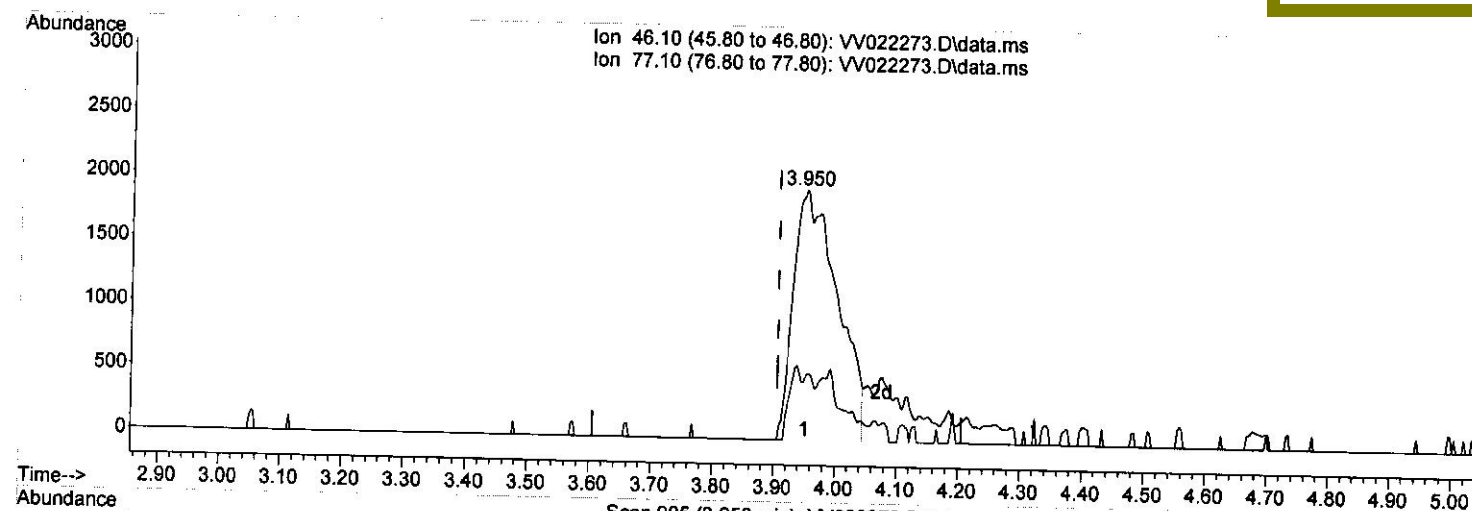
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(20) 2-Butanone-d5 (S)

3.950min (+ 0.045) 4.48 ug/L m, 5.11, 1.11, 2.1

response 9662

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	23.40	5.27#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

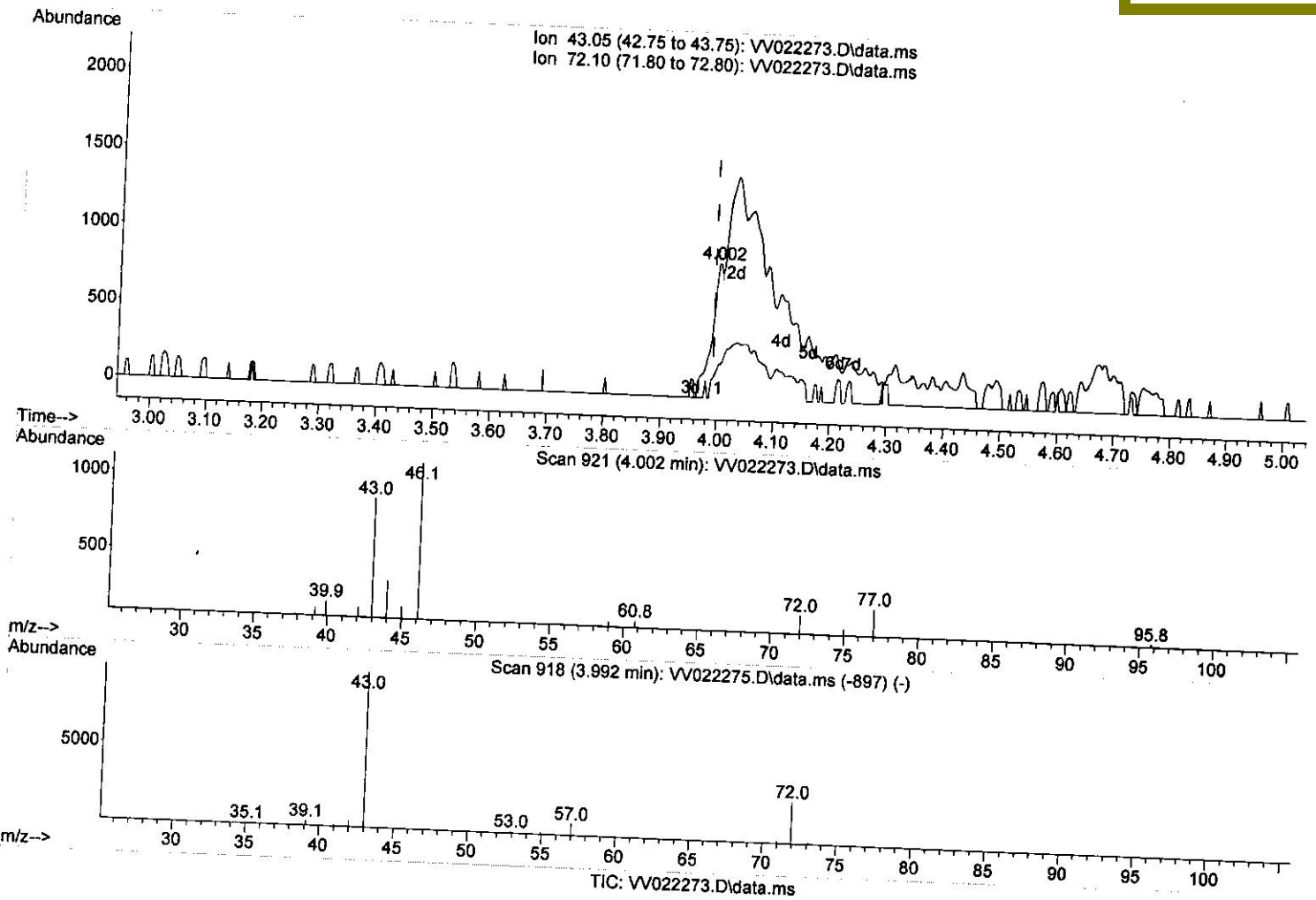
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 Client Sampled :
 VSTD0.5224

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration



(21) 2-Butanone (T)

4.002min (+ 0.010) 0.50 ug/L

response 1056

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	24.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

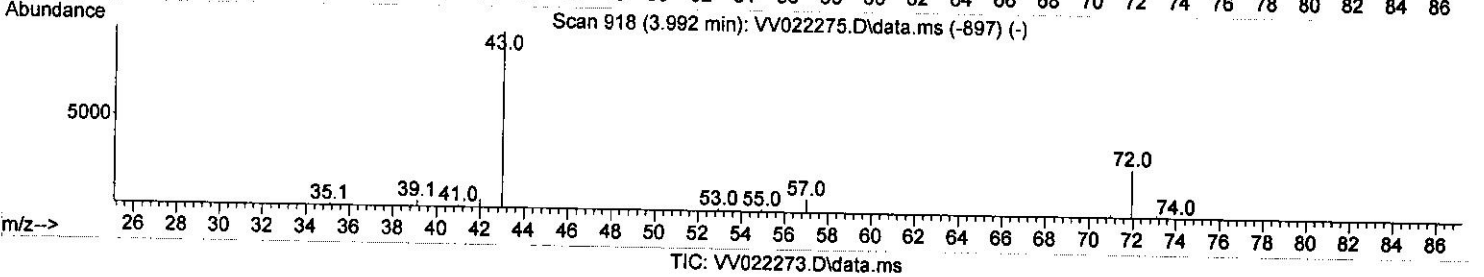
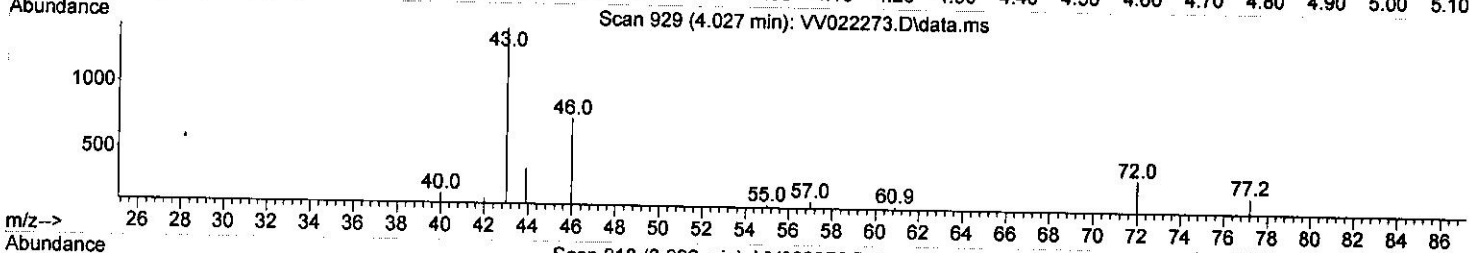
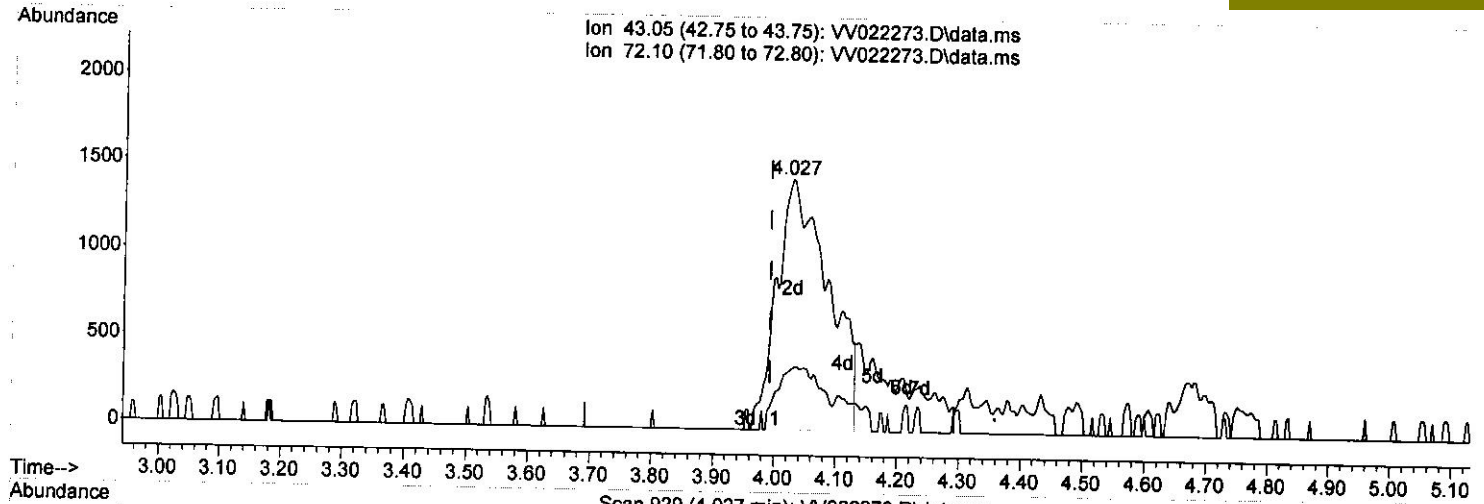
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(21) 2-Butanone (T)

4.027min (+ 0.035) 3.90 ug/L *3 S.Y. 10/1/21*

response 8314

Ion	Exp%	Act%
-----	------	------

43.05	100.00	100.00
-------	--------	--------

72.10	24.80	0.00#
-------	-------	-------

0.00	0.00	0.00
------	------	------

0.00	0.00	0.00
------	------	------

Quantitation Report (Qedit)

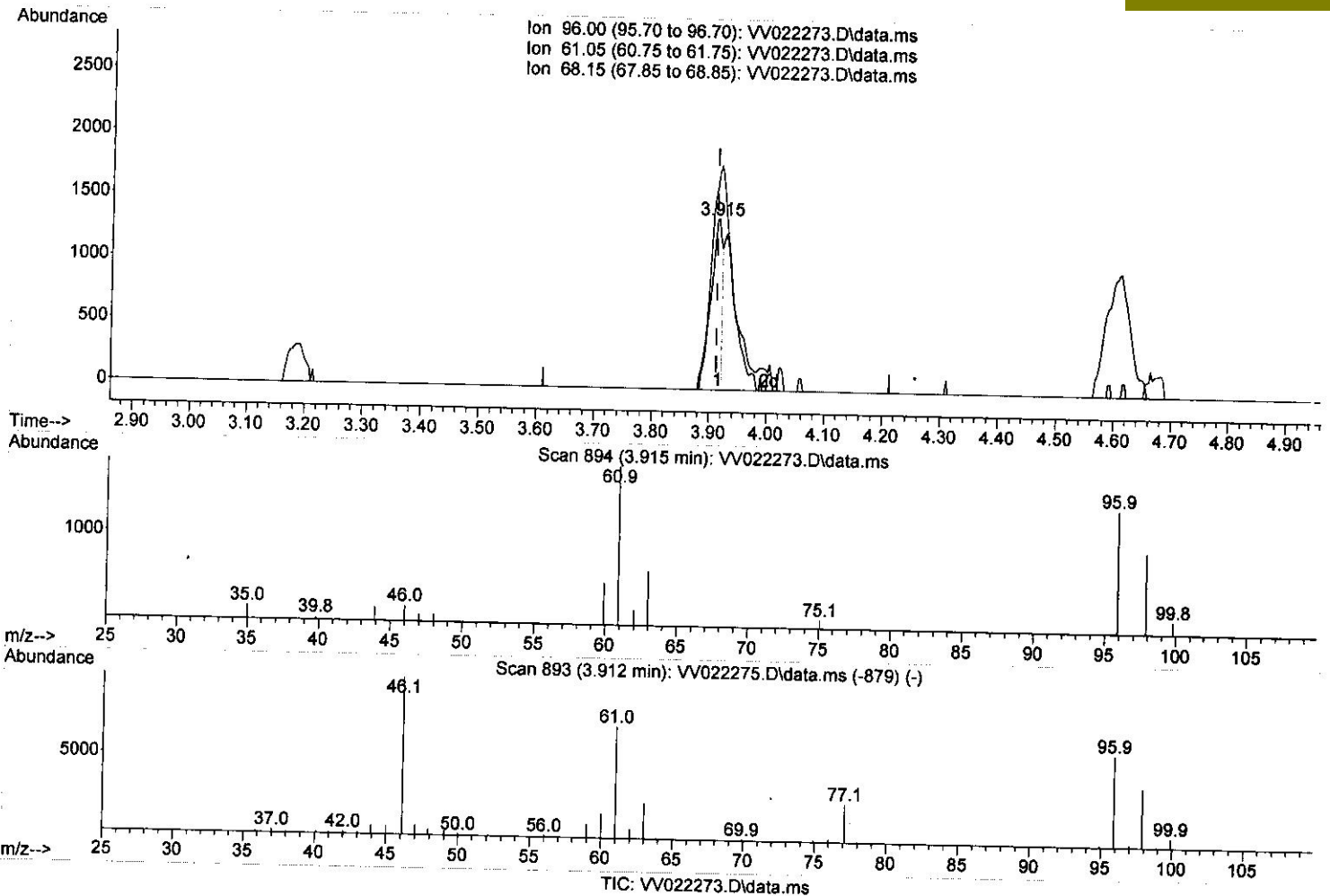
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(22) cis-1,2-Dichloroethene (T)

3.915min (+ 0.003) 0.21 ug/L

response 1876

Ion	Exp%	Act%
96.00	100.00	100.00
61.05	122.50	127.03
68.15	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

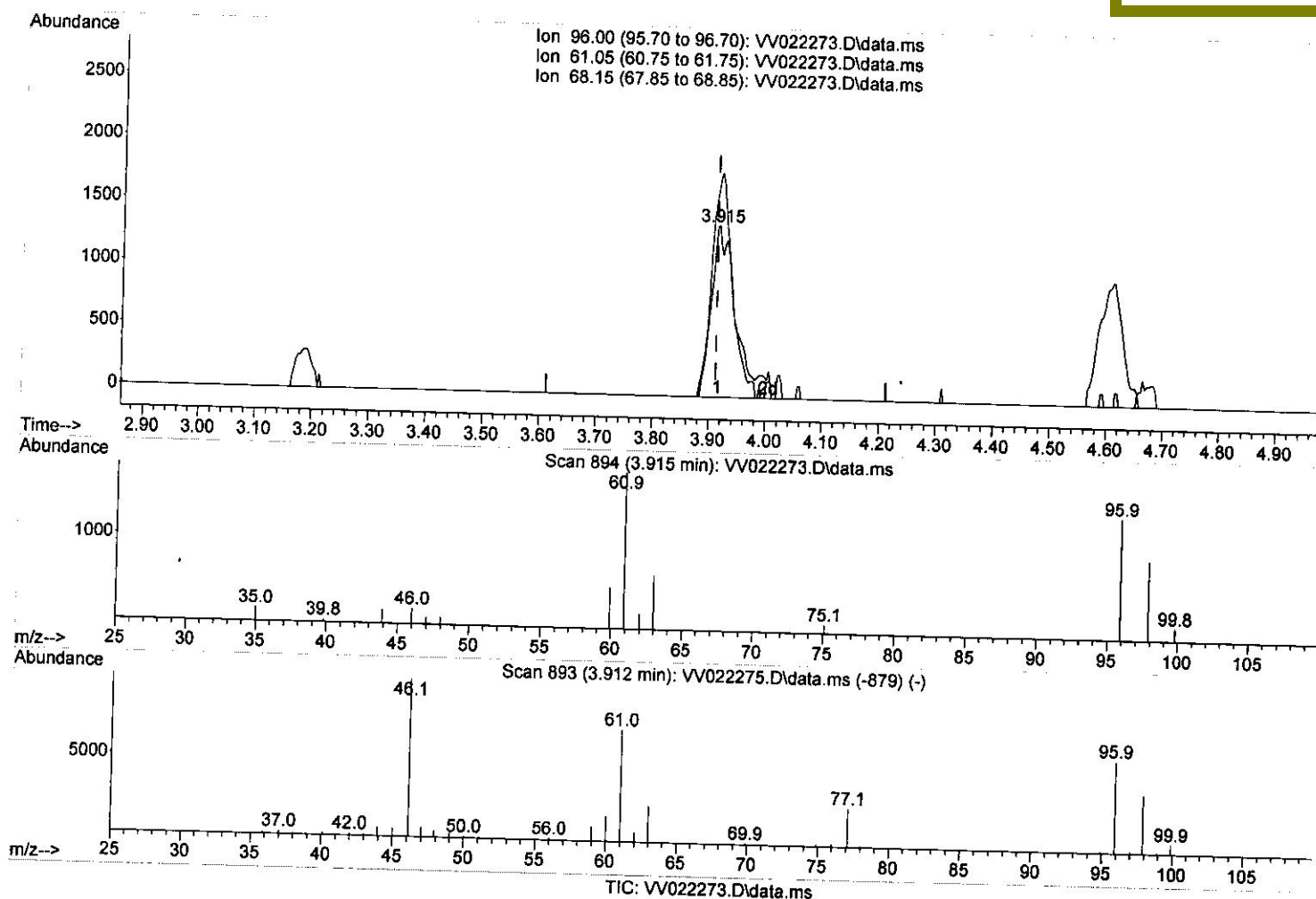
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(22) cis-1,2-Dichloroethene (T)

3.915min (+ 0.003) 0.43 ug/L *3.5K 10/11/21*

response 3747

Ion	Exp%	Act%
96.00	100.00	100.00
61.05	122.50	127.03
68.15	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

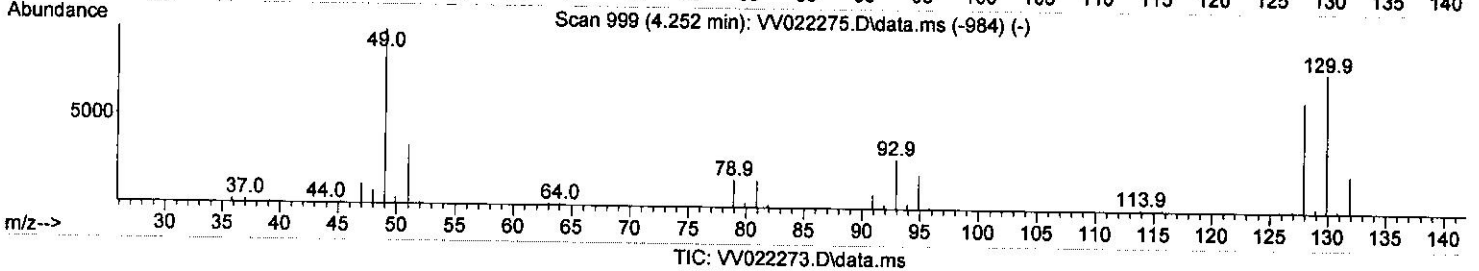
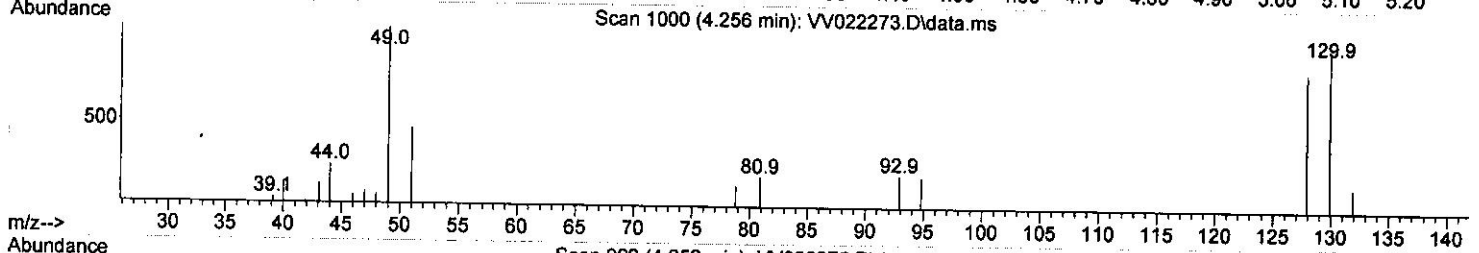
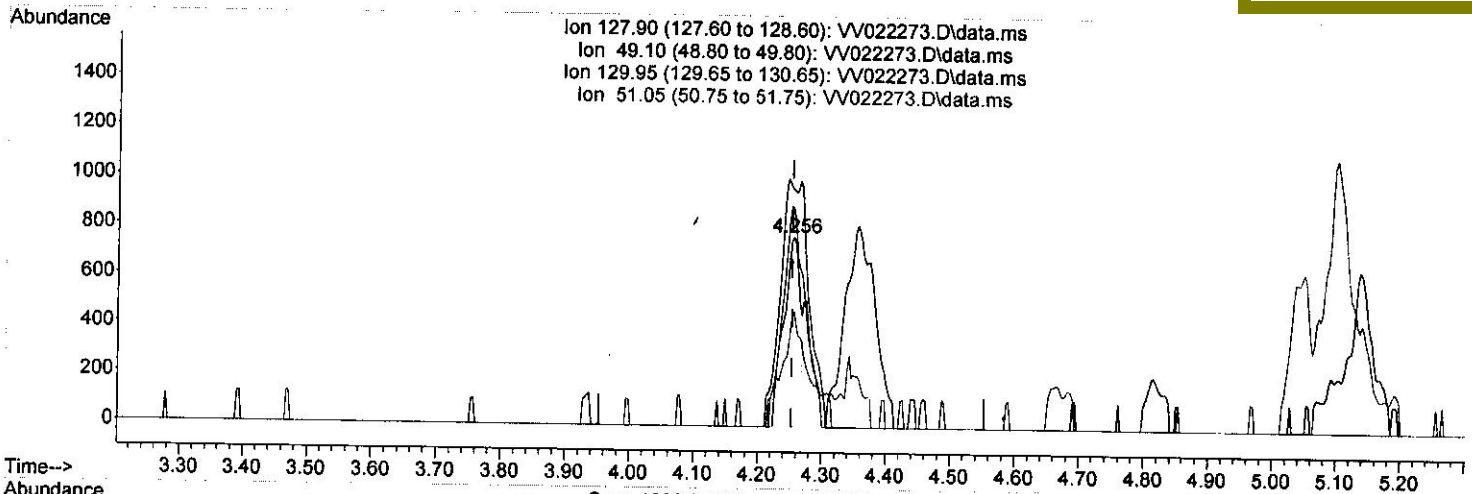
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(23) Bromochloromethane (T)

4.256min (+ 0.003) 0.34 ug/L

response 1367

Ion	Exp%	Act%
127.90	100.00	100.00
49.10	158.40	138.08
129.95	126.10	114.51
51.05	52.20	60.88

Quantitation Report (Qedit)

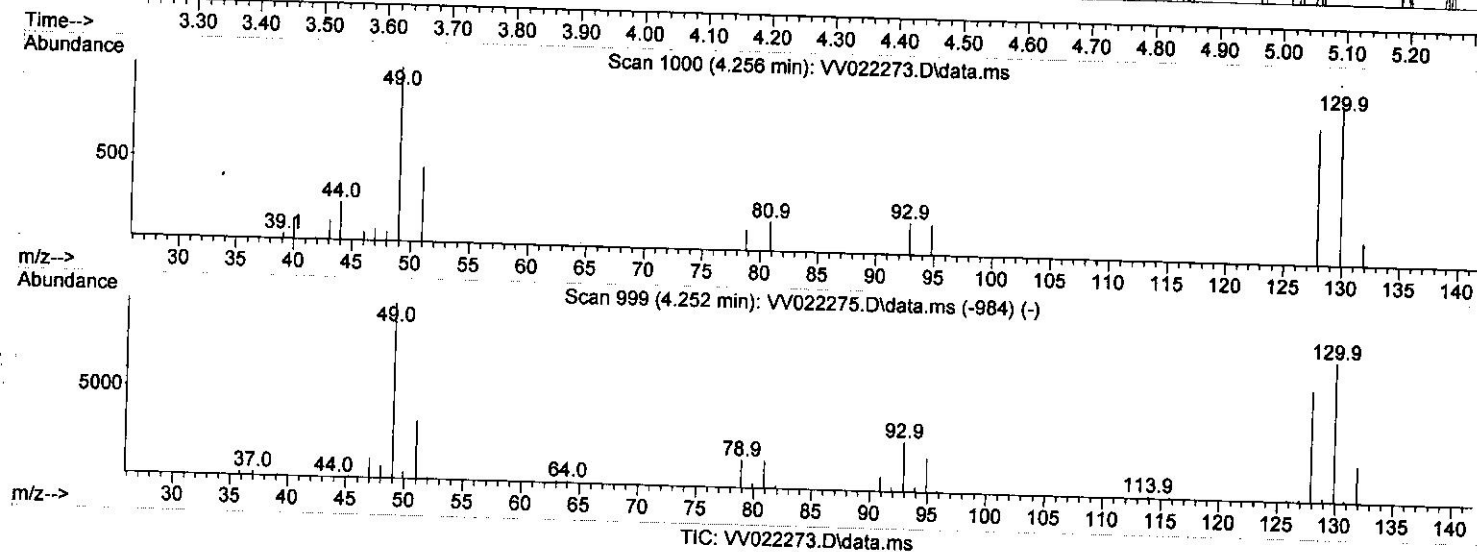
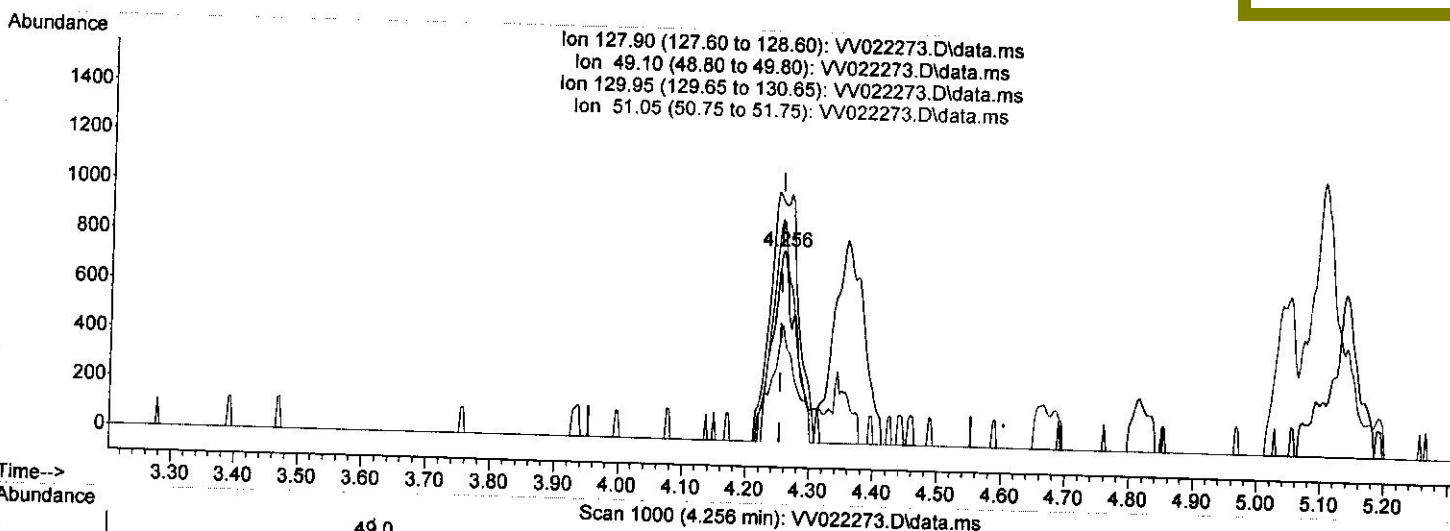
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM



(23) Bromochloromethane (T)

4.256min (+ 0.003) 0.48 ug/L m *SY 101121*

response 1895

Ion	Exp%	Act%
127.90	100.00	100.00
49.10	158.40	124.48
129.95	126.10	114.51
51.05	52.20	60.88

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 Client Sampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	126947	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	123030	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57849	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	3227	0.597	ug/L	0.00
7) Chloroethane-d5	1.561	69	3627	0.570	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.101	63	7457	0.599	ug/L	0.00
20) 2-Butanone-d5	3.950	46	9662m	4.485	ug/L	0.04
24) Chloroform-d	4.355	84	8881	0.536	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.040	65	3998	0.521	ug/L	0.00
32) Benzene-d6	5.056	84	16067	0.491	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.075	67	4949	0.470	ug/L	0.00
41) Toluene-d8	7.320	98	13373	0.443	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.635	79	1435	0.450	ug/L	0.00
46) 2-Hexanone-d5	8.101	63	7357	4.429	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.220	84	4173	0.572	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.628	152	5167	0.489	ug/L	0.00

Target Compounds						
2) Dichlorodifluoromethane	1.127	85	4740	0.494	ug/L	96
3) Chloromethane	1.240	50	5217	0.613	ug/L	96
5) Vinyl chloride	1.307	62	4713	0.537	ug/L	96
6) Bromomethane	1.516	94	3023	0.546	ug/L	92
8) Chloroethane	1.581	64	3079	0.561	ug/L	97
9) Trichlorofluoromethane	1.748	101	6502	0.514	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	3875	0.547	ug/L	98
12) 1,1-Dichloroethene	2.111	96	3278	0.516	ug/L	92
13) Acetone	2.195	43	7059m	5.332	ug/L	
14) Carbon disulfide	2.285	76	11791	0.618	ug/L	100
15) Methyl Acetate	2.445	43	1007	0.267	ug/L #	51
16) Methylene chloride	2.503	84	9252	0.846	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	8820	0.465	ug/L #	94
18) trans-1,2-Dichloroethene	2.761	96	4268	0.536	ug/L	90
19) 1,1-Dichloroethane	3.188	63	7415	0.503	ug/L #	89
21) 2-Butanone	4.027	43	8314m	3.902	ug/L	
22) cis-1,2-Dichloroethene	3.915	96	3747m	0.427	ug/L	
23) Bromochloromethane	4.256	128	1895m	0.476	ug/L	
25) Chloroform	4.378	83	7865	0.505	ug/L	96
27) 1,2-Dichloroethane	5.143	62	3842	0.449	ug/L #	87
29) 1,1,1-Trichloroethane	4.609	97	6440	0.480	ug/L	99
30) Cyclohexane	4.667	56	6213	0.502	ug/L	95
31) Carbon tetrachloride	4.822	117	5059	0.437	ug/L	100
33) Benzene	5.101	78	15175	0.466	ug/L	100
34) Trichloroethene	5.915	95	4077	0.452	ug/L	93
35) Methylcyclohexane	6.124	83	5894	0.445	ug/L	91
37) 1,2-Dichloropropane	6.178	63	4124	0.502	ug/L	97
38) Bromodichloromethane	6.516	83	4987	0.480	ug/L	92
39) cis-1,3-Dichloropropene	7.037	75	4658	0.401	ug/L	94
40) 4-Methyl-2-pentanone	7.236	43	21765	4.264	ug/L	95
42) Toluene	7.394	91	14547	0.411	ug/L	90
44) trans-1,3-Dichloropropene	7.661	75	3802	0.381	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092321\
 Data File : VV022273.D
 Acq On : 23 Sep 2021 10:15
 Operator : SY/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.5224

Quant Time: Sep 24 02:38:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 24 02:37:45 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:55:05 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.844	97	2939	0.478	ug/L	91
47) Tetrachloroethene	7.979	164	3157	0.442	ug/L	82
48) 2-Hexanone	8.149	43	13255	3.743	ug/L	95
49) Dibromochloromethane	8.249	129	2753	0.383	ug/L	96
50) 1,2-Dibromoethane	8.355	107	2558	0.444	ug/L #	99
51) Chlorobenzene	8.886	112	10669	0.458	ug/L	96
52) Ethylbenzene	9.018	91	15042	0.400	ug/L	91
53) m,p-xylene	9.143	106	5631	0.384	ug/L	88
54) o-xylene	9.548	106	5659	0.391	ug/L	99
55) Styrene	9.567	104	8527	0.355	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.246	83	3715	0.565	ug/L	92
59) Bromoform	9.738	173	1486	0.429	ug/L #	94
60) Isopropylbenzene	9.934	105	14317	0.412	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	2562	0.549	ug/L	96
62) 1,3,5-Trimethylbenzene	10.542	105	11212	0.388	ug/L	98
63) 1,2,4-Trimethylbenzene	10.918	105	10567	0.361	ug/L	94
64) 1,3-Dichlorobenzene	11.185	146	7459	0.443	ug/L	100
65) 1,4-Dichlorobenzene	11.275	146	7710	0.458	ug/L	96
67) 1,2-Dichlorobenzene	11.648	146	6948	0.441	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.429	75	578	0.655	ug/L #	46
69) 1,3,5-Trichlorobenzene	12.648	180	5572	0.427	ug/L	96
70) 1,2,4-trichlorobenzene	13.268	180	4179	0.407	ug/L	98
71) Naphthalene	13.509	128	6952	0.442	ug/L	97
72) 1,2,3-Trichlorobenzene	13.747	180	3951	0.433	ug/L	93

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