

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052421\
 Data File : VU043948.D
 Acq On : 25 May 2021 07:34
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD005143

Manual Integrations
 APPROVED

MMDadoda
 5/26/2021 12:28:10 PM

Quant Time: May 25 07:50:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR052421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 25 07:46:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	226961	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	231510	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	125661	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	56947	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.913	69	42367	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.565	65	22593	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.700	46	224672	56.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.18%
24) Chloroform-d	5.073	84	150027	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.713	65	76911	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.732	84	301806	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.700	67	93973	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.903	98	290350	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
43) trans-1,3-Dichloroprop...	8.186	79	35031	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.649	63	172100	54.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.98%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	89309	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
66) 1,2-Dichlorobenzene-d4	12.198	152	114020	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	82052	5.27	ug/L	100
3) Chloromethane	1.514	50	68452	4.22	ug/L	100
5) Vinyl chloride	1.601	62	72798	4.79	ug/L	100
6) Bromomethane	1.858	94	44197	4.78	ug/L	99
8) Chloroethane	1.935	64	39386	4.75	ug/L	96
9) Trichlorofluoromethane	2.138	101	103297	5.07	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	60227	4.02	ug/L	98
12) 1,1-Dichloroethene	2.578	96	57787	3.94	ug/L	93
13) Acetone	2.736	43	95096m	45.02	ug/L	
14) Carbon disulfide	2.790	76	176039	3.98	ug/L	99
15) Methyl Acetate	2.990	43	24086	4.07	ug/L #	67
16) Methylene chloride	3.047	84	78195	4.16	ug/L	98
17) Methyl tert-butyl Ether	3.385	73	185732	5.85	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	83914	5.60	ug/L	97
19) 1,1-Dichloroethane	3.874	63	146553	5.60	ug/L	97
21) 2-Butanone	4.774	43	243838	58.16	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	84644	5.19	ug/L	98
23) Bromochloromethane	4.983	128	46395	5.54	ug/L	96
25) Chloroform	5.096	83	153935	5.29	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.806	62	92679	5.38	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	125143	5.22	ug/L	99
30) Cyclohexane	5.391	56	115334	5.25	ug/L	99
31) Carbon tetrachloride	5.527	117	106922	5.21	ug/L	100
33) Benzene	5.781	78	341087	5.46	ug/L	100
34) Trichloroethene	6.546	95	86563	5.31	ug/L	99
35) Methylcyclohexane	6.768	83	122264	5.15	ug/L	99
37) 1,2-Dichloropropane	6.800	63	87433	5.27	ug/L	99
38) Bromodichloromethane	7.115	83	107621	5.40	ug/L	99
39) cis-1,3-Dichloropropene	7.613	75	106254	4.93	ug/L	98
40) 4-Methyl-2-pentanone	7.806	43	525939	56.31	ug/L	99
42) Toluene	7.973	91	371792	5.63	ug/L	100
44) trans-1,3-Dichloropropene	8.218	75	95800	5.17	ug/L	99
45) 1,1,2-Trichloroethane	8.407	97	70415	5.55	ug/L	98
47) Tetrachloroethene	8.559	164	74174	5.28	ug/L	99
48) 2-Hexanone	8.697	43	408807	58.62	ug/L	99
49) Dibromochloromethane	8.816	129	80429	5.47	ug/L	98
50) 1,2-Dibromoethane	8.932	107	65294	5.55	ug/L	99
51) Chlorobenzene	9.452	112	228371	5.30	ug/L	99
52) Ethylbenzene	9.575	91	354423	5.41	ug/L	99
53) m,p-Xylene	9.700	106	142279	5.50	ug/L	100
54) o-Xylene	10.105	106	135394	5.53	ug/L	97
55) Styrene	10.118	104	238278	5.64	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	87668	5.54	ug/L	98
59) Bromoform	10.298	173	47960	5.31	ug/L	99
60) Isopropylbenzene	10.491	105	346155	5.55	ug/L	100
61) 1,2,3-Trichloropropane	10.829	75	62394	5.40	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	266324	5.39	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	272282	5.38	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	184190	5.31	ug/L	98
65) 1,4-Dichlorobenzene	11.841	146	184111	5.31	ug/L	98
67) 1,2-Dichlorobenzene	12.218	146	179231	5.37	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	12736	5.78	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	132555	4.85	ug/L	100
70) 1,2,4-trichlorobenzene	13.845	180	103832	4.84	ug/L	99
71) Naphthalene	14.092	128	182178	5.30	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	109268	5.33	ug/L	98

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

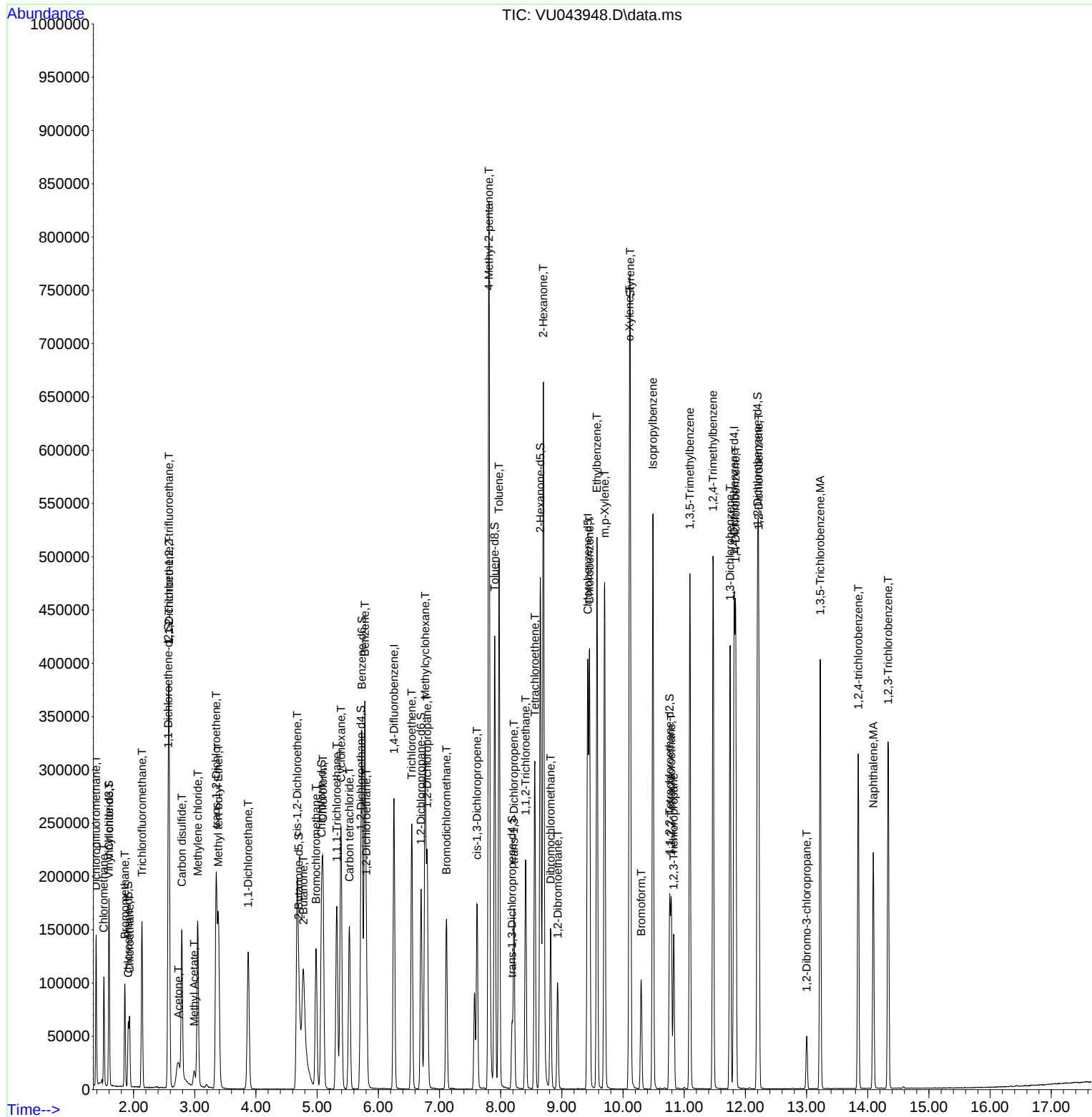
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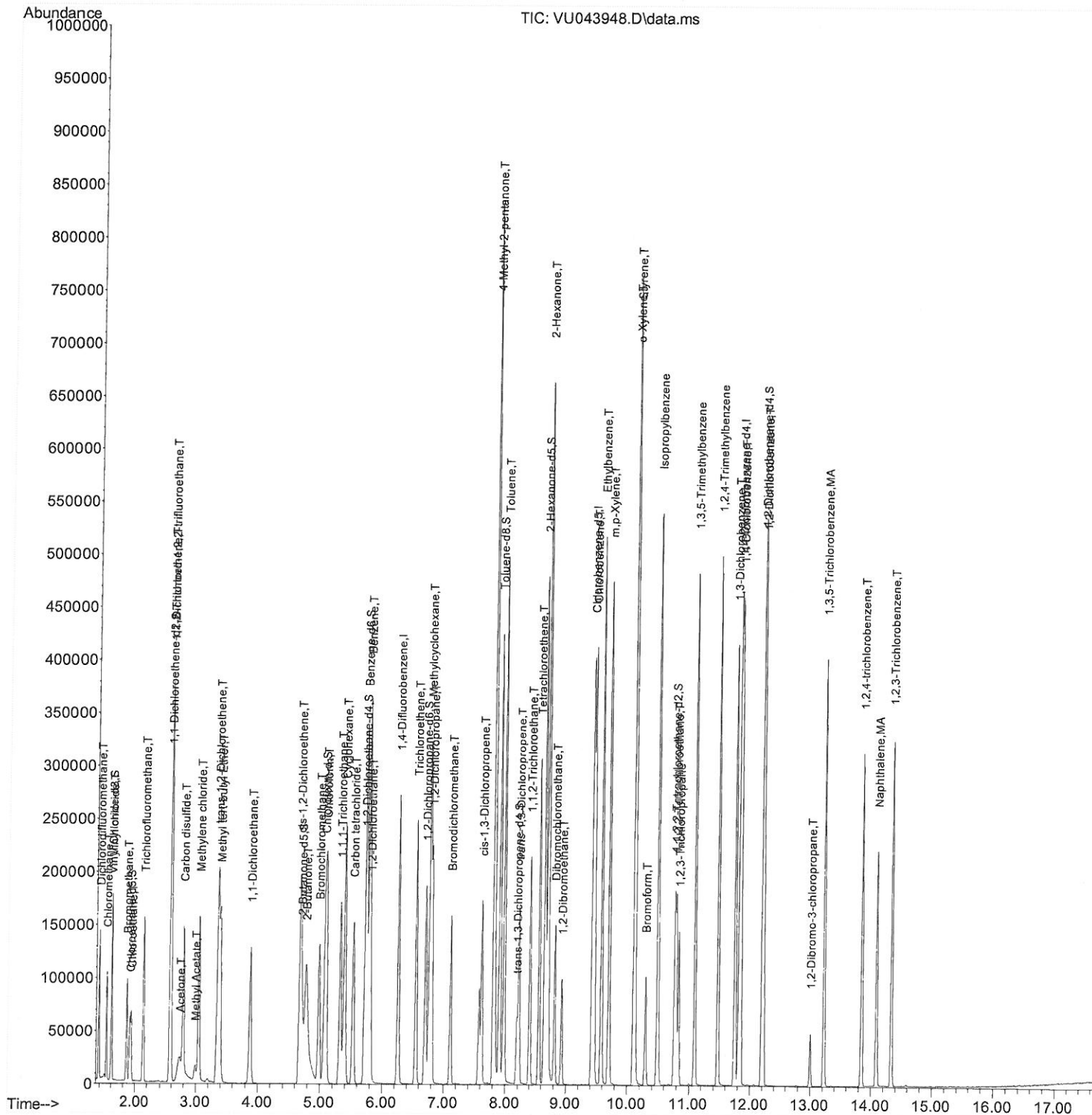
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Quantitation Report (Qedit)

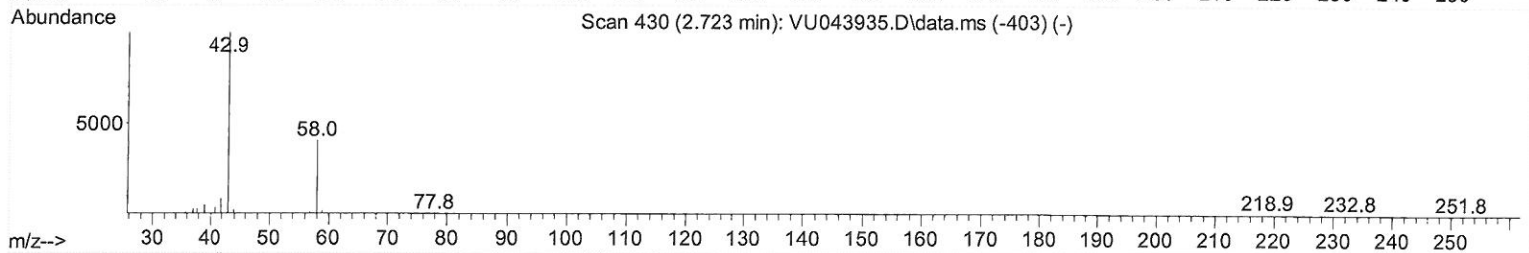
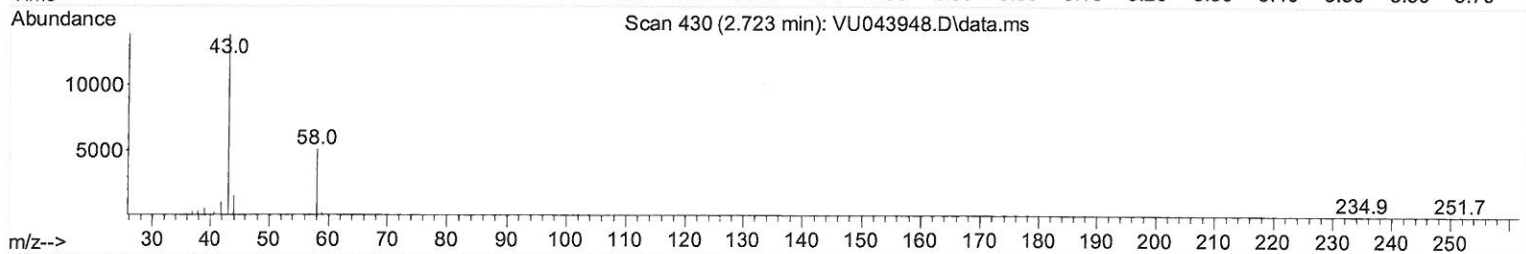
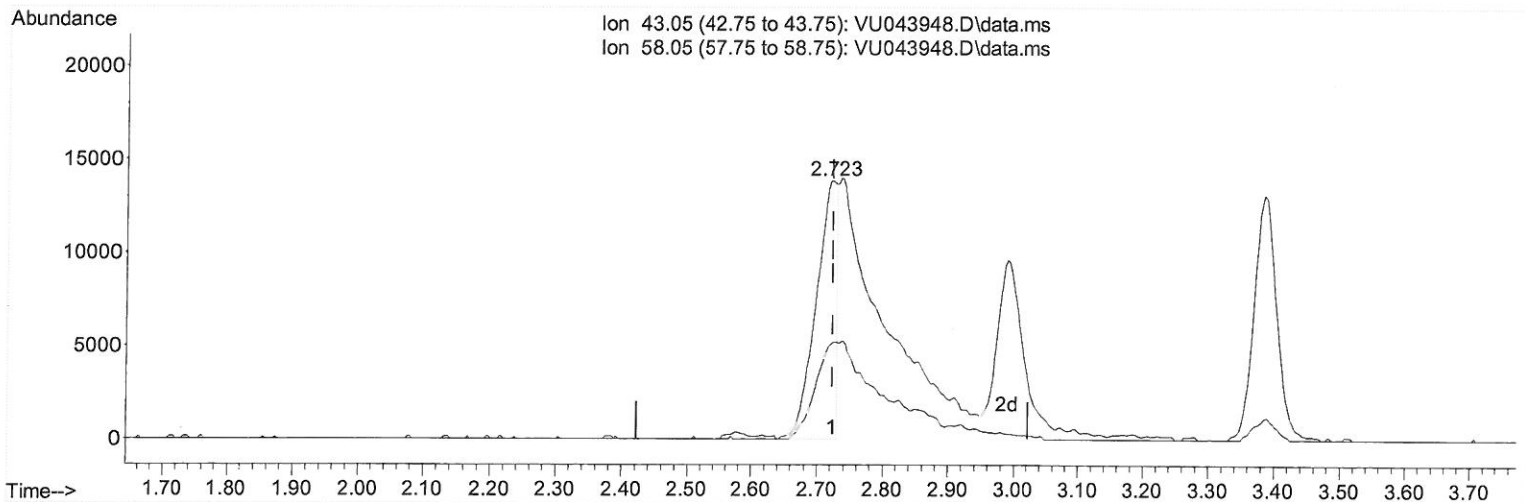
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TIC: VU043948.D\data.ms

(13) Acetone (T)

2.723min (+ 0.000) 14.44 ug/L

response 30509

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	23.10	40.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

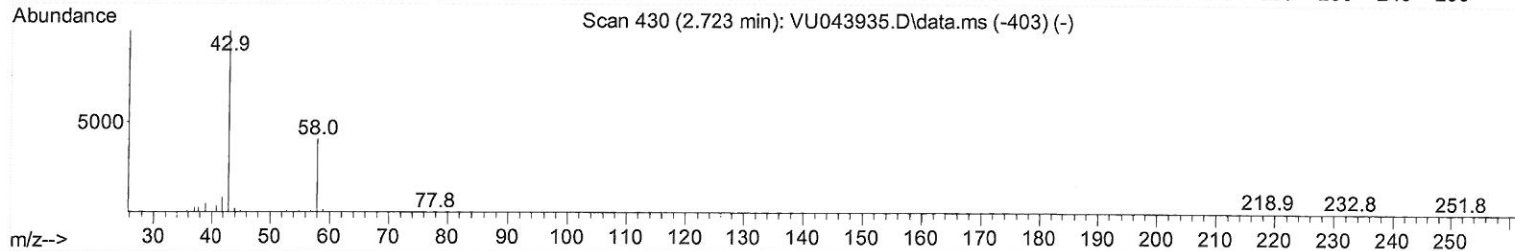
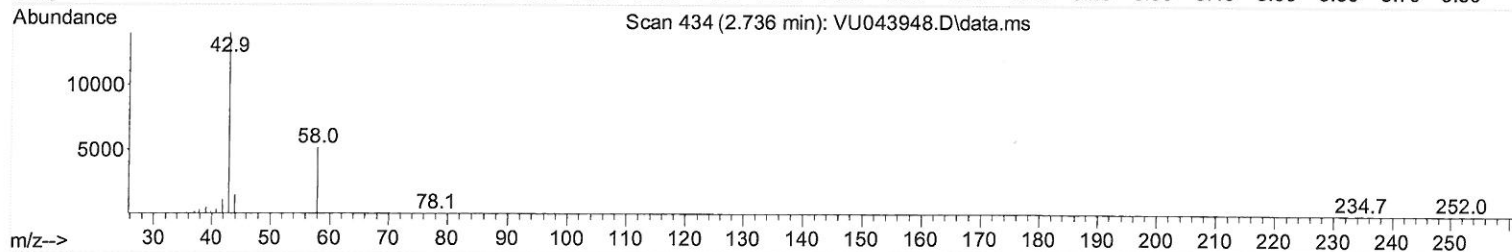
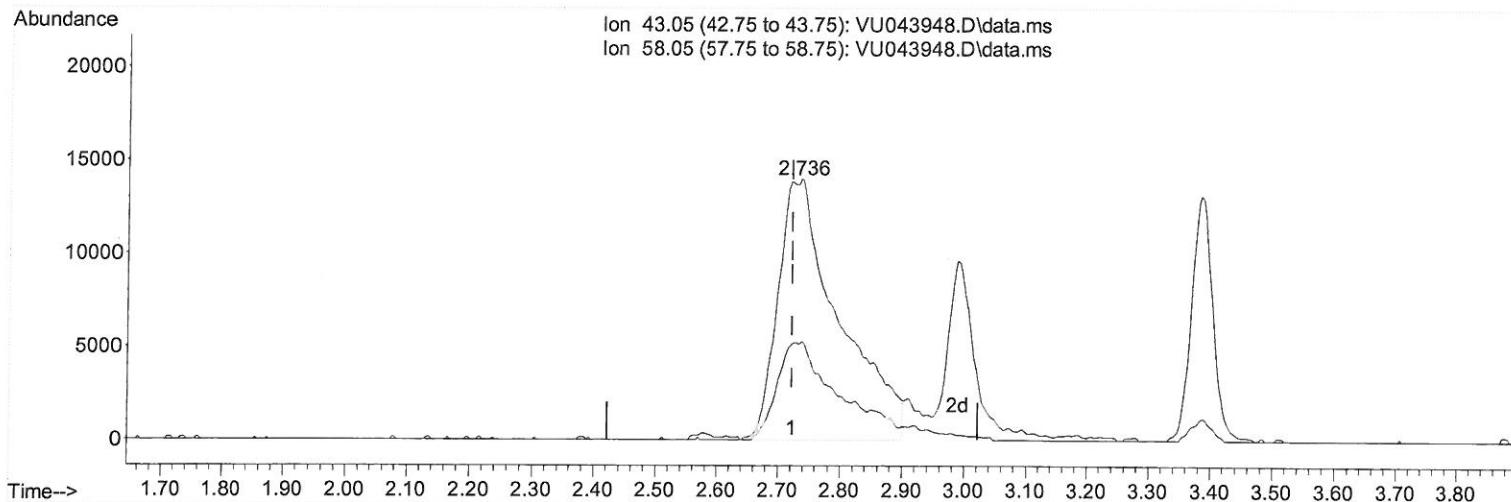
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TIC: VU043948.D\data.ms

(13) Acetone (T)

2.736min (+ 0.013) 45.02 ug/L m

response 95096

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	23.10	13.03
0.00	0.00	0.00
0.00	0.00	0.00

MD
6/2/21

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
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28) Chlorobenzene-d5	9.423	117	231510	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	125661	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	56947	4.51	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	90.20%	
7) Chloroethane-d5	1.913	69	42367	4.65	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	93.00%	
11) 1,1-Dichloroethene-d2	2.565	65	22593	3.67	ug/L	0.00
Spiked Amount 5.000	Range 60	- 125	Recovery	=	73.40%	
20) 2-Butanone-d5	4.700	46	224672	56.09	ug/L	0.00
Spiked Amount 50.000	Range 40	- 130	Recovery	=	112.18%	
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41) Toluene-d8	7.903	98	290350	5.37	ug/L	0.00
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43) trans-1,3-Dichloroprop...	8.186	79	35031	4.90	ug/L	0.00
Spiked Amount 5.000	Range 55	- 130	Recovery	=	98.00%	
46) 2-Hexanone-d5	8.649	63	172100	54.99	ug/L	0.00
Spiked Amount 50.000	Range 45	- 130	Recovery	=	109.98%	
56) 1,1,2,2-Tetrachloroeth...	10.761	84	89309	5.19	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	103.80%	
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12) 1,1-Dichloroethene	2.578	96	57787	3.94	ug/L	93
13) Acetone	2.736	43	95096m	45.02	ug/L	
14) Carbon disulfide	2.790	76	176039	3.98	ug/L	99
15) Methyl Acetate	2.990	43	24086	4.07	ug/L #	67
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17) Methyl tert-butyl Ether	3.385	73	185732	5.85	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	83914	5.60	ug/L	97
19) 1,1-Dichloroethane	3.874	63	146553	5.60	ug/L	97
21) 2-Butanone	4.774	43	243838	58.16	ug/L	98
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30) Cyclohexane	5.391	56	115334	5.25	ug/L	99
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33) Benzene	5.781	78	341087	5.46	ug/L	100
34) Trichloroethene	6.546	95	86563	5.31	ug/L	99
35) Methylcyclohexane	6.768	83	122264	5.15	ug/L	99
37) 1,2-Dichloropropane	6.800	63	87433	5.27	ug/L	99
38) Bromodichloromethane	7.115	83	107621	5.40	ug/L	99
39) cis-1,3-Dichloropropene	7.613	75	106254	4.93	ug/L	98
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51) Chlorobenzene	9.452	112	228371	5.30	ug/L	99
52) Ethylbenzene	9.575	91	354423	5.41	ug/L	99
53) m,p-Xylene	9.700	106	142279	5.50	ug/L	100
54) o-Xylene	10.105	106	135394	5.53	ug/L	97
55) Styrene	10.118	104	238278	5.64	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	87668	5.54	ug/L	98
59) Bromoform	10.298	173	47960	5.31	ug/L	99
60) Isopropylbenzene	10.491	105	346155	5.55	ug/L	100
61) 1,2,3-Trichloropropane	10.829	75	62394	5.40	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	266324	5.39	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	272282	5.38	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	184190	5.31	ug/L	98
65) 1,4-Dichlorobenzene	11.841	146	184111	5.31	ug/L	98
67) 1,2-Dichlorobenzene	12.218	146	179231	5.37	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	12736	5.78	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	132555	4.85	ug/L	100
70) 1,2,4-trichlorobenzene	13.845	180	103832	4.84	ug/L	99
71) Naphthalene	14.092	128	182178	5.30	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	109268	5.33	ug/L	98

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