

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003676.D
 Acq On : 07 Dec 2020 18:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025413

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:06:35 PM

Quant Time: Dec 08 01:16:09 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 08 00:43:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	234375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	223637	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	118111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	49751	20.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.52%
7) Chloroethane-d5	2.77	69	44405	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
11) 1,1-Dichloroethene-d2	3.87	63	116891	22.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.12%
21) 2-Butanone-d5	6.90	46	61059	51.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.14%
24) Chloroform-d	7.48	84	128388	24.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	8.15	65	70603	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	8.12	84	264630	23.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.56%
36) 1,2-Dichloropropane-d6	9.12	67	81022	24.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	10.18	98	240174	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
43) trans-1,3-Dichloropropene-	10.43	79	39592	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.12%
47) 2-Hexanone-d5	10.79	63	51980	54.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.16%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	78620	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
66) 1,2-Dichlorobenzene-d4	13.72	152	95705	24.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	65276	26.611 ug/L	100
3) Chloromethane	2.12	50	69719	24.779 ug/L	97
5) Vinyl chloride	2.26	62	74481	26.252 ug/L	89
6) Bromomethane	2.66	94	47452	26.008 ug/L	88
8) Chloroethane	2.81	64	46676	26.314 ug/L	91
9) Trichlorofluoromethane	3.14	101	116906	26.294 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	77171	26.357 ug/L #	75
12) 1,1-Dichloroethene	3.89	96	73420	26.323 ug/L	95
13) Acetone	3.97	43	42296	52.106 ug/L #	53
14) Carbon disulfide	4.20	76	237693	26.339 ug/L	99
15) Methyl Acetate	4.50	43	54555m	26.531 ug/L	
16) Methylene chloride	4.73	84	90442	22.072 ug/L	99
17) trans-1,2-Dichloroethene	5.23	96	80702	25.939 ug/L	94
18) Methyl tert-butyl Ether	5.23	73	212580	27.069 ug/L #	94
19) 1,1-Dichloroethane	6.03	63	136575	26.435 ug/L	96
20) cis-1,2-Dichloroethene	7.00	96	89116	26.735 ug/L	82
22) 2-Butanone	7.00	43	72231	50.340 ug/L	86

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	43859	26.441	ug/L	91
25) Chloroform	7.51	83	140536	26.652	ug/L	100
27) 1,2-Dichloroethane	8.25	62	94274	26.624	ug/L	95
29) Cyclohexane	7.80	56	127648	26.769	ug/L	95
30) 1,1,1-Trichloroethane	7.71	97	123402	26.517	ug/L	99
31) Carbon tetrachloride	7.91	117	113041	26.826	ug/L	96
33) Benzene	8.17	78	335642	26.538	ug/L	100
34) Trichloroethene	8.94	95	90193	26.500	ug/L	97
35) Methylcyclohexane	9.19	83	146298	27.289	ug/L	98
37) 1,2-Dichloropropane	9.22	63	86264	27.296	ug/L	98
38) Bromodichloromethane	9.50	83	107895	26.687	ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	135722	27.228	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	156597	54.745	ug/L	99
42) Toluene	10.25	91	368389	27.345	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	125898	27.121	ug/L	94
45) 1,1,2-Trichloroethane	10.65	97	73829	26.761	ug/L	93
46) Tetrachloroethene	10.72	164	73378	26.834	ug/L	95
48) 2-Hexanone	10.83	43	112363	56.324	ug/L	98
49) Dibromochloromethane	10.98	129	86817	27.306	ug/L	90
50) 1,2-Dibromoethane	11.09	107	72214	27.122	ug/L #	97
51) Chlorobenzene	11.51	112	237991	26.728	ug/L	95
52) Ethylbenzene	11.59	91	394175	27.122	ug/L	98
53) m,p-Xylene	11.70	106	156643	27.562	ug/L	99
54) o-Xylene	12.03	106	148432	27.329	ug/L	98
55) Styrene	12.04	104	260453	28.077	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	83428	27.872	ug/L	96
59) Bromoform	12.21	173	59421	26.997	ug/L #	95
60) Isopropylbenzene	12.33	105	398280	27.728	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	71596	27.173	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	318341	27.947	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	318684	28.167	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	192458	27.643	ug/L	96
65) 1,4-Dichlorobenzene	13.45	146	191894	27.217	ug/L	96
67) 1,2-Dichlorobenzene	13.74	146	178748	27.605	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.35	75	15733	27.182	ug/L	91
69) 1,3,5-Trichlorobenzene	14.50	180	134324	27.221	ug/L	97
70) 1,2,4-trichlorobenzene	15.01	180	116440	27.759	ug/L	93
71) Naphthalene	15.23	128	247688	27.823	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	105429	27.406	ug/L	98

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

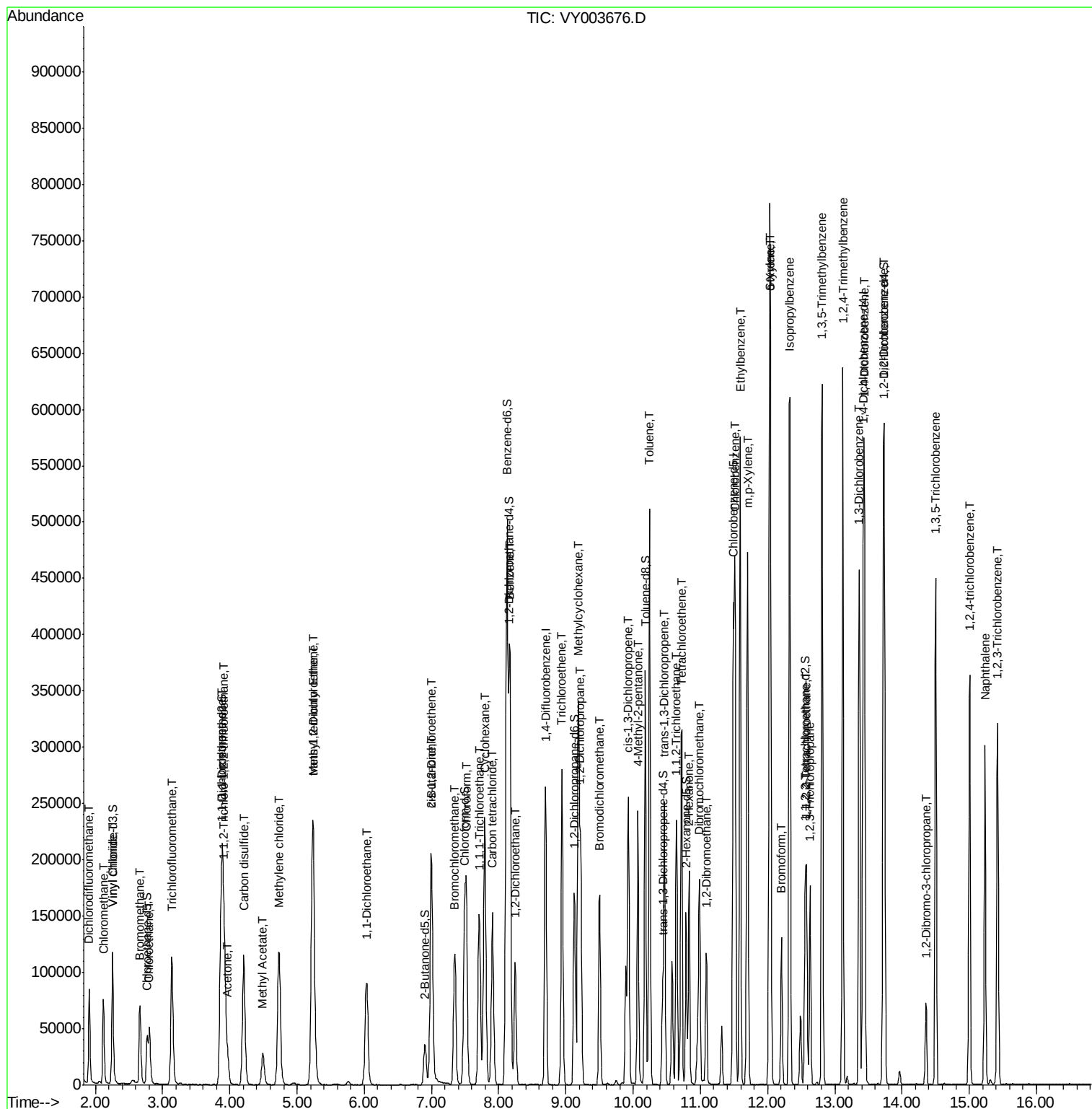
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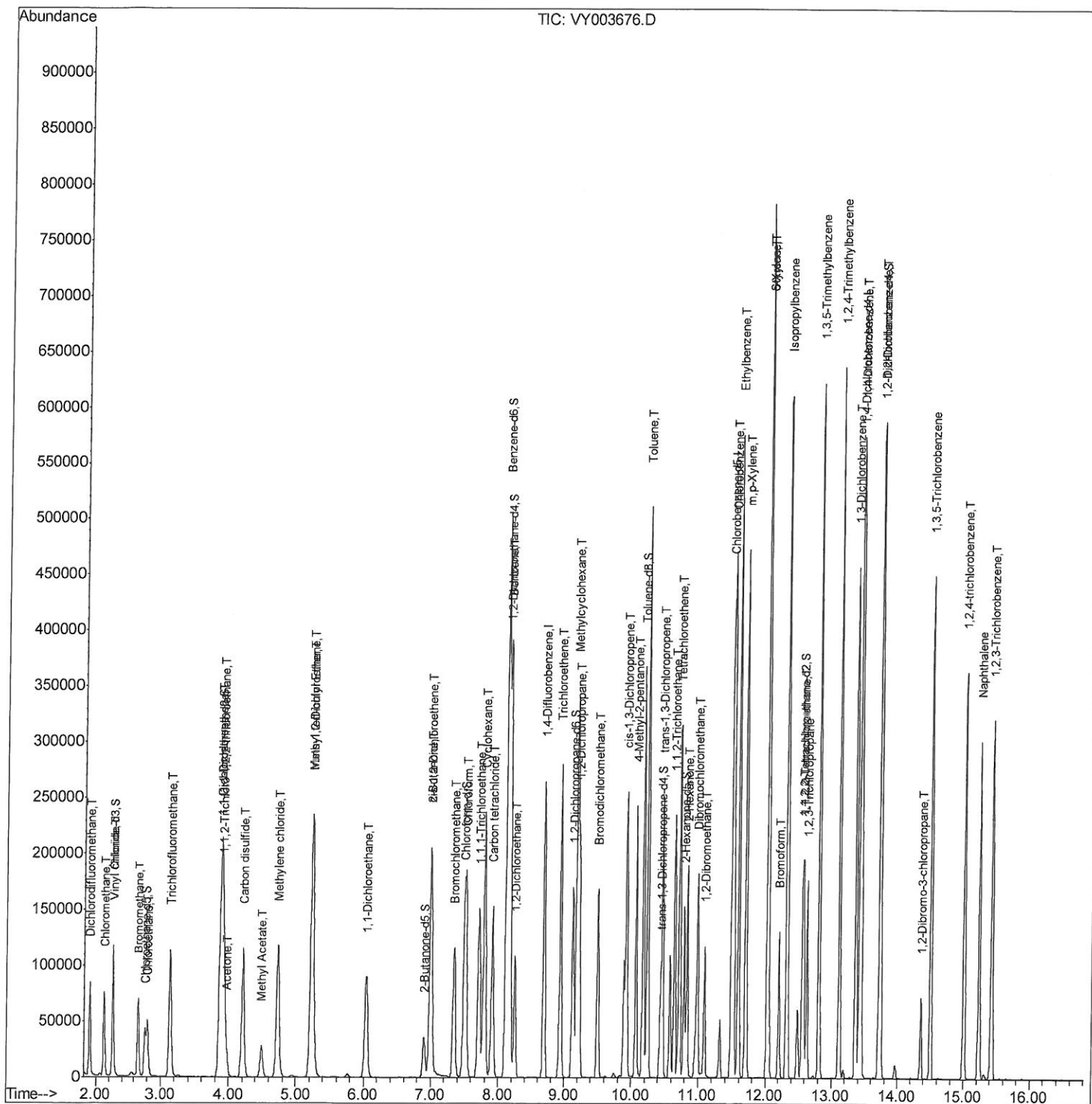
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Quantitation Report (Qedit)

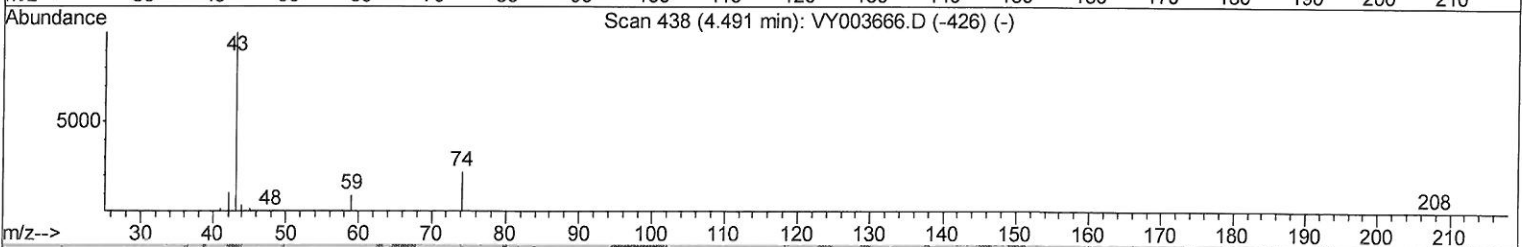
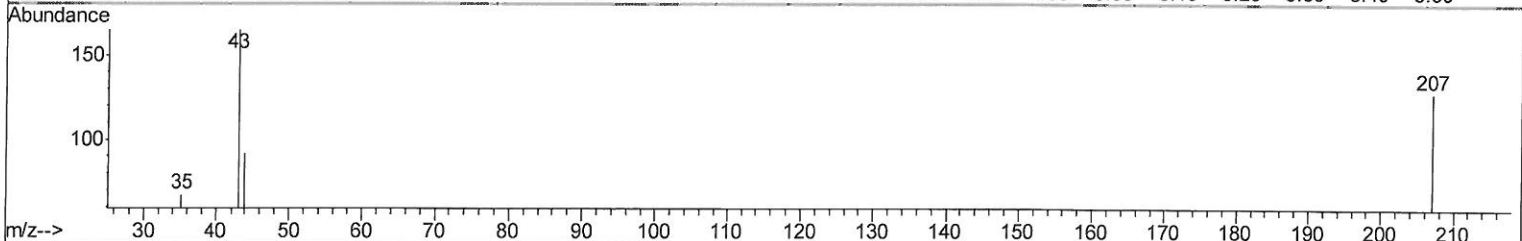
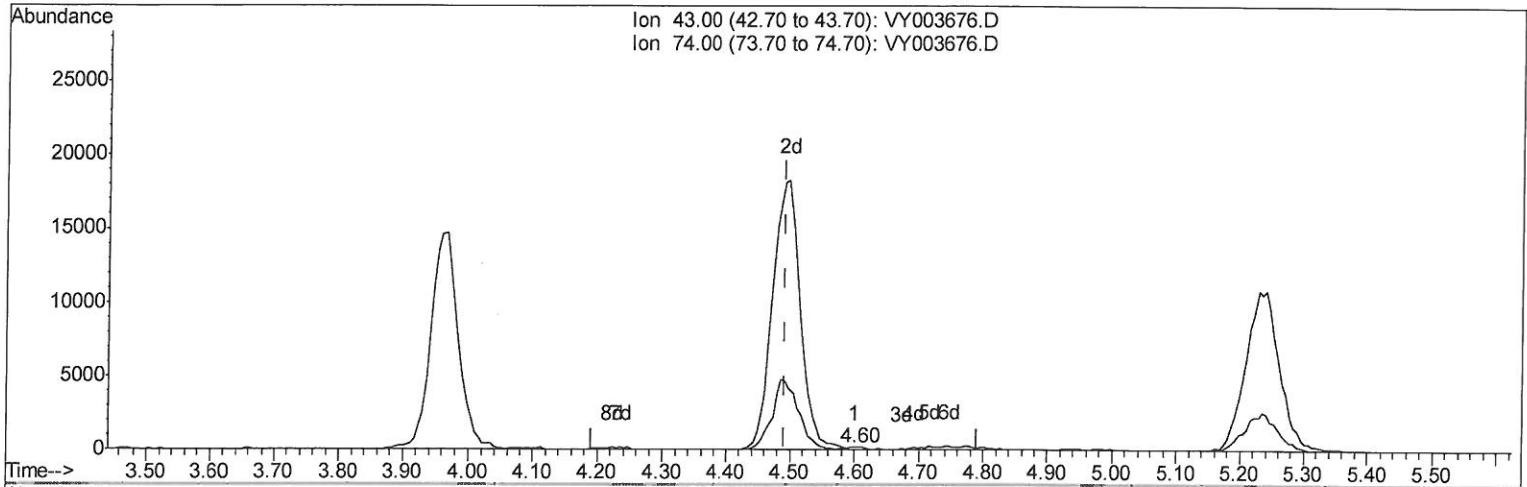
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TIC: VY003676.D

(15) Methyl Acetate (T)

4.601min (+0.110) 0.11ug/L

response 235

Ion	Exp%	Act%
43.00	100	100
74.00	16.80	19.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

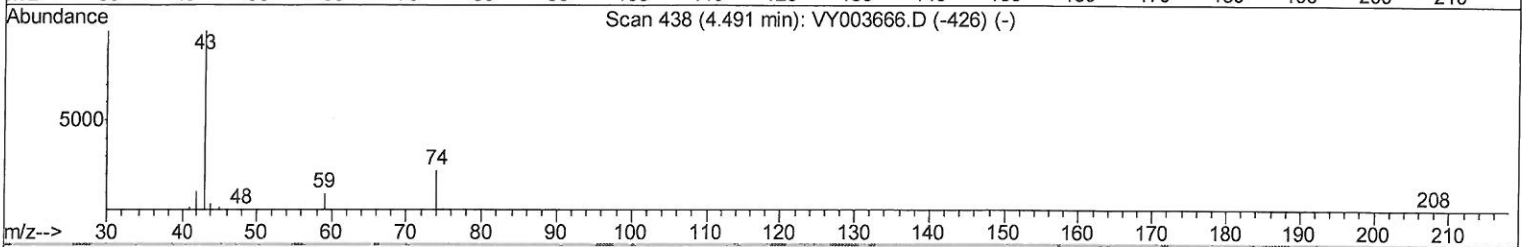
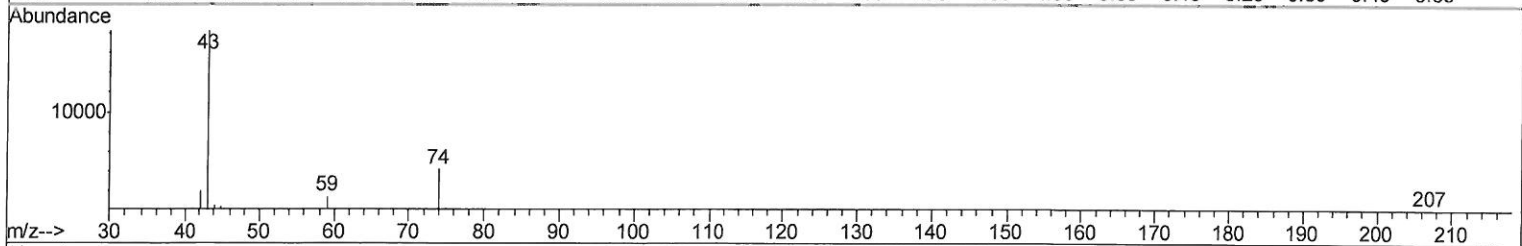
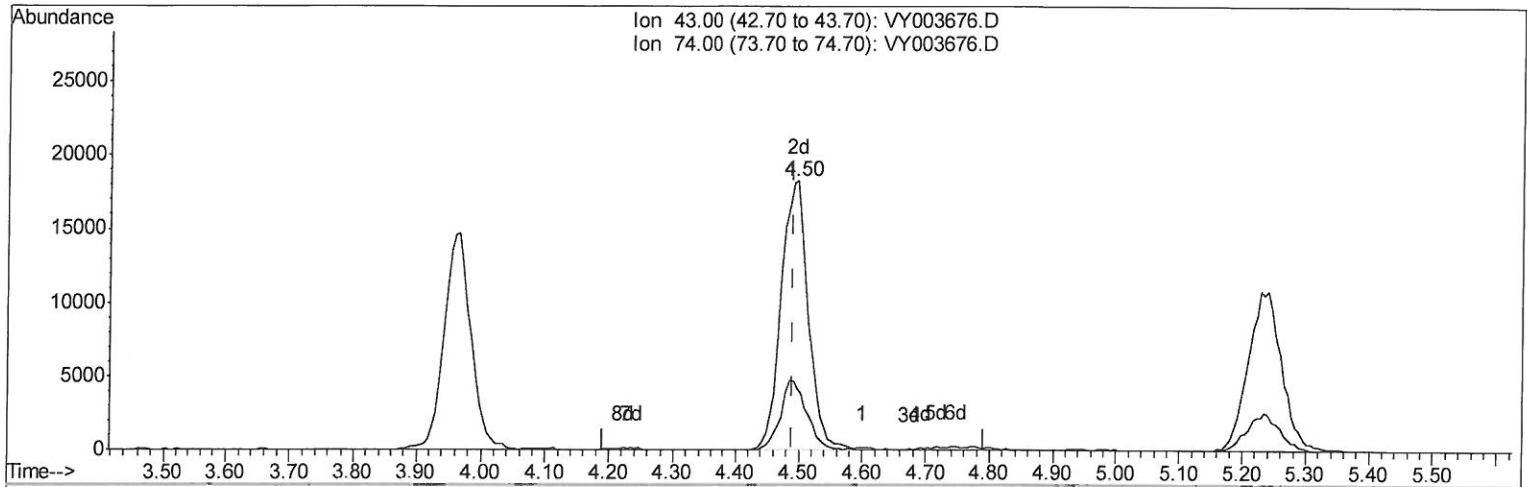
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Manual Integrations
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TIC: VY003676.D

(15) Methyl Acetate (T)

4.497min (+0.006) 26.53ug/L m

response 54555

Ion	Exp%	Act%
43.00	100	100
74.00	16.80	0.08#
0.00	0.00	0.00
0.00	0.00	0.00

> 12/18/20 by

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	234375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	223637	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	118111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	49751	20.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.52%
7) Chloroethane-d5	2.77	69	44405	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
11) 1,1-Dichloroethene-d2	3.87	63	116891	22.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.12%
21) 2-Butanone-d5	6.90	46	61059	51.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.14%
24) Chloroform-d	7.48	84	128388	24.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	8.15	65	70603	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	8.12	84	264630	23.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.56%
36) 1,2-Dichloropropane-d6	9.12	67	81022	24.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	10.18	98	240174	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
43) trans-1,3-Dichloropropene-	10.43	79	39592	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.12%
47) 2-Hexanone-d5	10.79	63	51980	54.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.16%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	78620	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
66) 1,2-Dichlorobenzene-d4	13.72	152	95705	24.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.76%

Target Compounds

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2) Dichlorodifluoromethane	1.91	85	65276	26.611	ug/L 100
3) Chloromethane	2.12	50	69719	24.779	ug/L 97
5) Vinyl chloride	2.26	62	74481	26.252	ug/L 89
6) Bromomethane	2.66	94	47452	26.008	ug/L 88
8) Chloroethane	2.81	64	46676	26.314	ug/L 91
9) Trichlorofluoromethane	3.14	101	116906	26.294	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	77171	26.357	ug/L # 75
12) 1,1-Dichloroethene	3.89	96	73420	26.323	ug/L 95
13) Acetone	3.97	43	42296	52.106	ug/L # 53
14) Carbon disulfide	4.20	76	237693	26.339	ug/L 99
15) Methyl Acetate	4.50	43	54555m	26.531	ug/L
16) Methylene chloride	4.73	84	90442	22.072	ug/L 99
17) trans-1,2-Dichloroethene	5.23	96	80702	25.939	ug/L 94
18) Methyl tert-butyl Ether	5.23	73	212580	27.069	ug/L # 94
19) 1,1-Dichloroethane	6.03	63	136575	26.435	ug/L 96
20) cis-1,2-Dichloroethene	7.00	96	89116	26.735	ug/L 82
22) 2-Butanone	7.00	43	72231	50.340	ug/L 86

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25) Chloroform	7.51	83	140536	26.652	ug/L	100
27) 1,2-Dichloroethane	8.25	62	94274	26.624	ug/L	95
29) Cyclohexane	7.80	56	127648	26.769	ug/L	95
30) 1,1,1-Trichloroethane	7.71	97	123402	26.517	ug/L	99
31) Carbon tetrachloride	7.91	117	113041	26.826	ug/L	96
33) Benzene	8.17	78	335642	26.538	ug/L	100
34) Trichloroethene	8.94	95	90193	26.500	ug/L	97
35) Methylcyclohexane	9.19	83	146298	27.289	ug/L	98
37) 1,2-Dichloropropane	9.22	63	86264	27.296	ug/L	98
38) Bromodichloromethane	9.50	83	107895	26.687	ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	135722	27.228	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	156597	54.745	ug/L	99
42) Toluene	10.25	91	368389	27.345	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	125898	27.121	ug/L	94
45) 1,1,2-Trichloroethane	10.65	97	73829	26.761	ug/L	93
46) Tetrachloroethene	10.72	164	73378	26.834	ug/L	95
48) 2-Hexanone	10.83	43	112363	56.324	ug/L	98
49) Dibromochloromethane	10.98	129	86817	27.306	ug/L	90
50) 1,2-Dibromoethane	11.09	107	72214	27.122	ug/L #	97
51) Chlorobenzene	11.51	112	237991	26.728	ug/L	95
52) Ethylbenzene	11.59	91	394175	27.122	ug/L	98
53) m,p-Xylene	11.70	106	156643	27.562	ug/L	99
54) o-Xylene	12.03	106	148432	27.329	ug/L	98
55) Styrene	12.04	104	260453	28.077	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	83428	27.872	ug/L	96
59) Bromoform	12.21	173	59421	26.997	ug/L #	95
60) Isopropylbenzene	12.33	105	398280	27.728	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	71596	27.173	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	318341	27.947	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	318684	28.167	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	192458	27.643	ug/L	96
65) 1,4-Dichlorobenzene	13.45	146	191894	27.217	ug/L	96
67) 1,2-Dichlorobenzene	13.74	146	178748	27.605	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.35	75	15733	27.182	ug/L	91
69) 1,3,5-Trichlorobenzene	14.50	180	134324	27.221	ug/L	97
70) 1,2,4-trichlorobenzene	15.01	180	116440	27.759	ug/L	93
71) Naphthalene	15.23	128	247688	27.823	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	105429	27.406	ug/L	98

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