

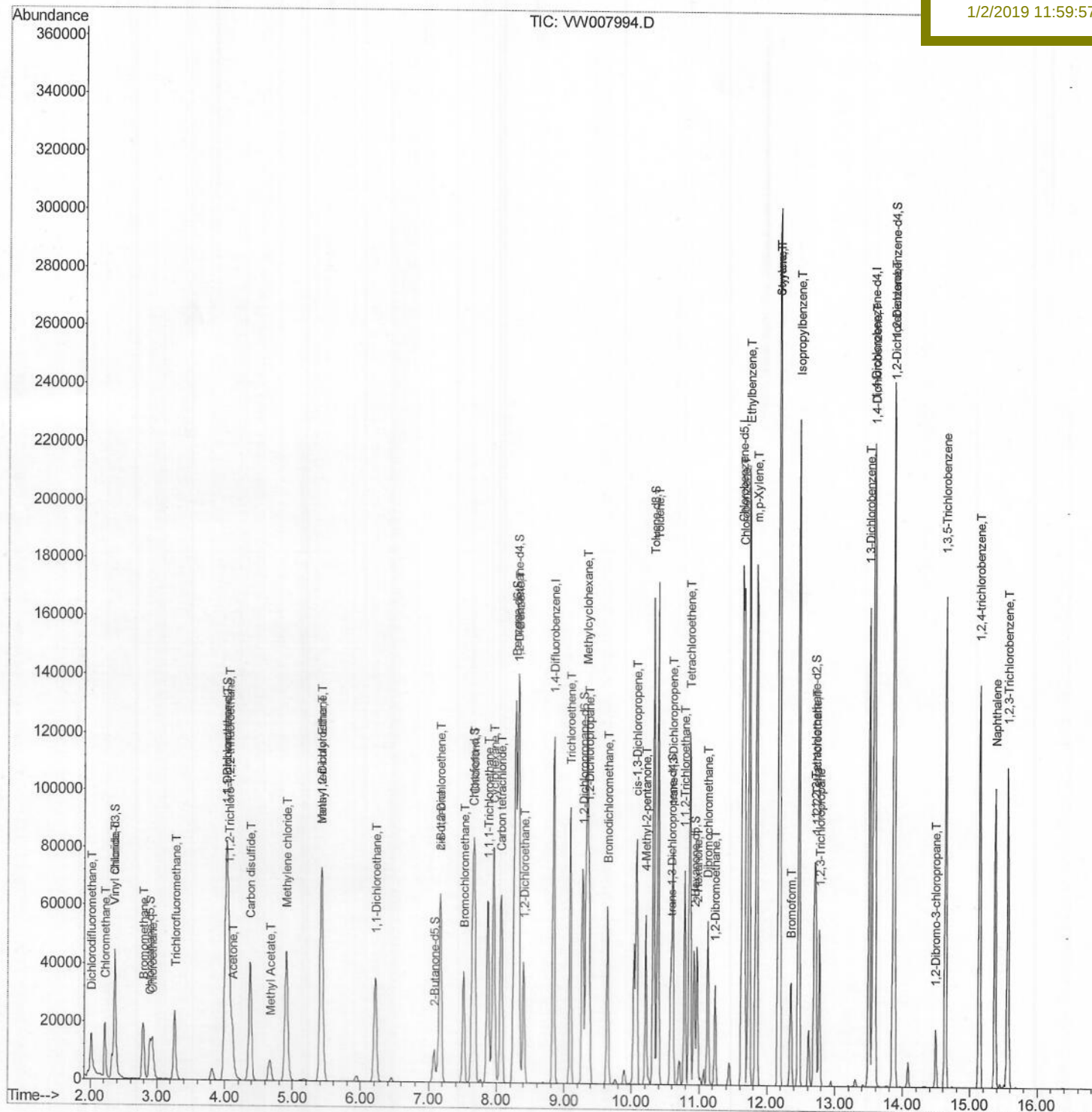
Data File : VW007994.D
Acq On : 28 Dec 2018 08:03
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 28 22:24:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 05:56:01 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02594

Manual Integrations
APPROVED

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1/2/2019 11:59:57 PM



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Quant Time: Dec 28 22:22:39 2018

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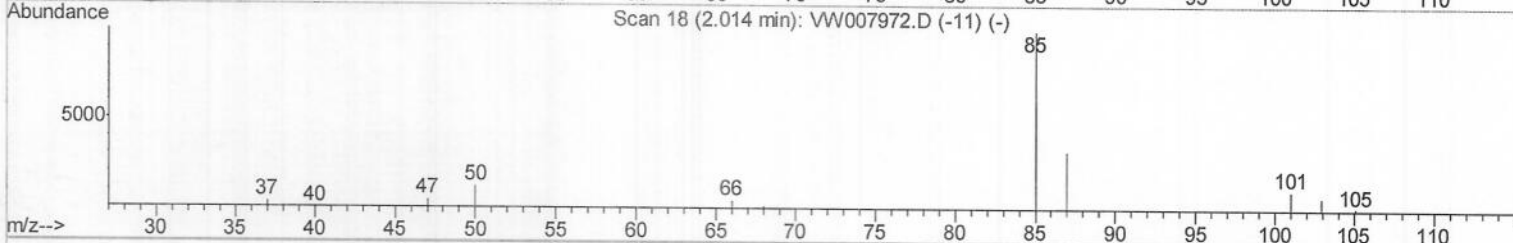
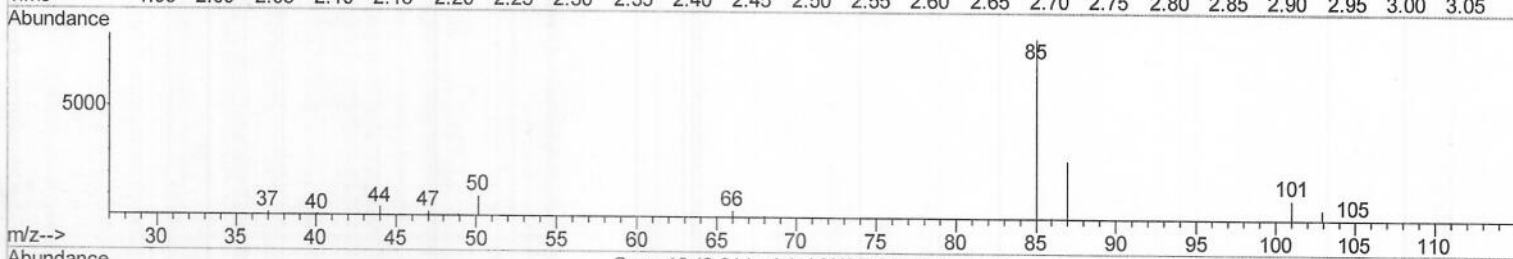
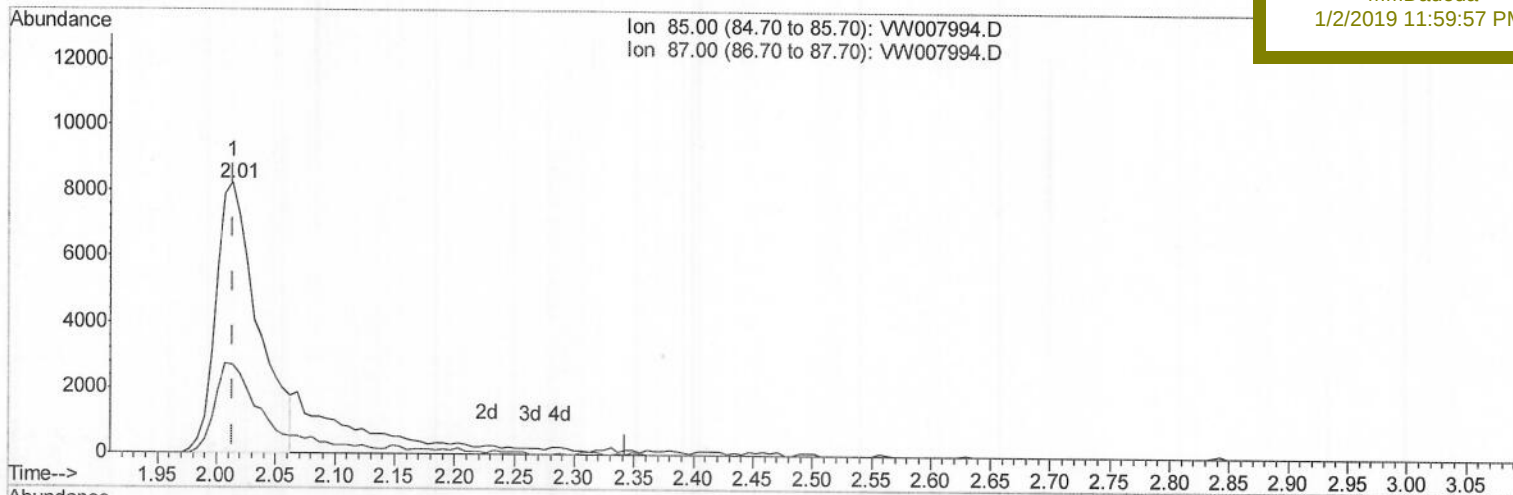
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TIC: VW007994.D

(2) Dichlorodifluoromethane (T)

2.014min (+0.000) 18.48ug/L

response 20473

Ion	Exp%	Act%
85.00	100	100
87.00	29.50	37.83
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122818\
Quantitation Report (Qedit)

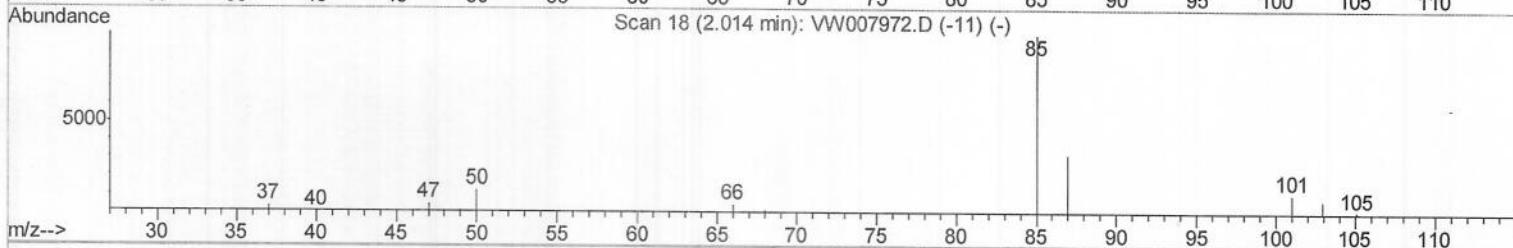
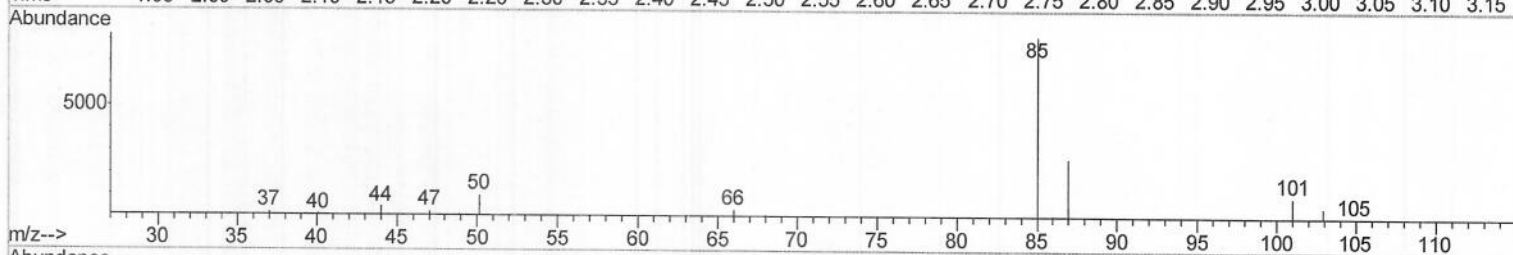
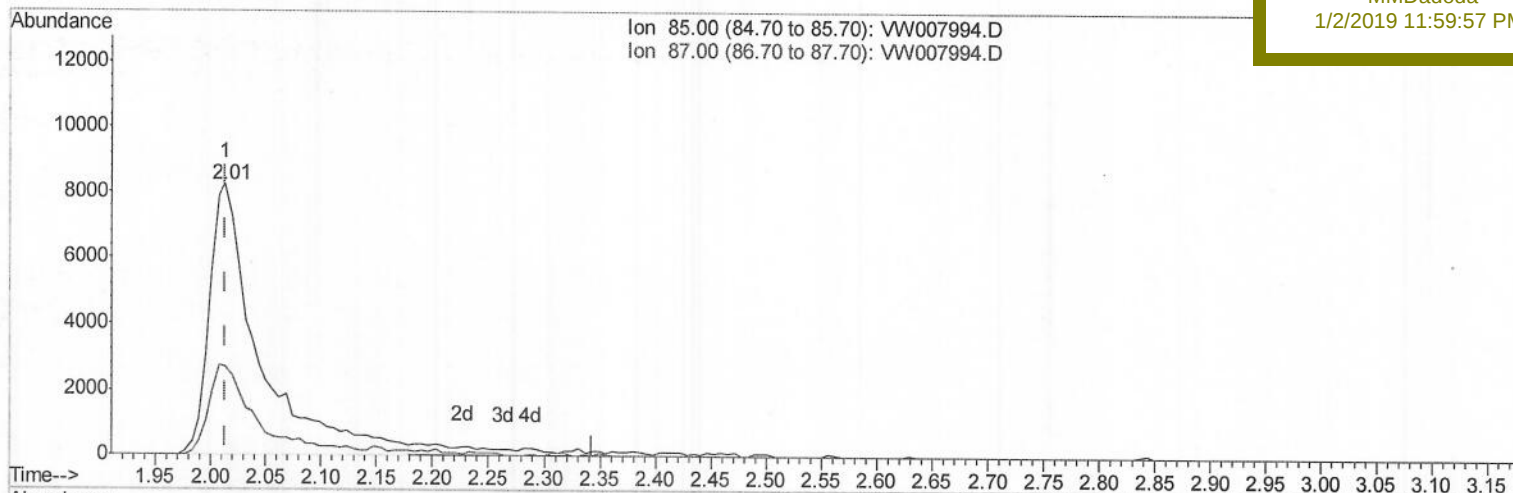
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TIC: VW007994.D

(2) Dichlorodifluoromethane (T)

2.014min (+0.000) 23.40ug/L m

response 25922

Ion	Exp%	Act%
85.00	100	100
87.00	29.50	29.88
0.00	0.00	0.00
0.00	0.00	0.00

SY
01/02/19

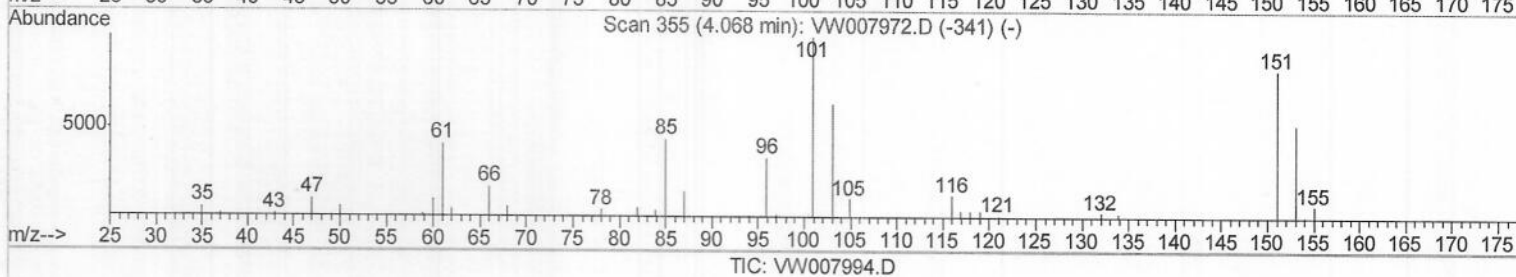
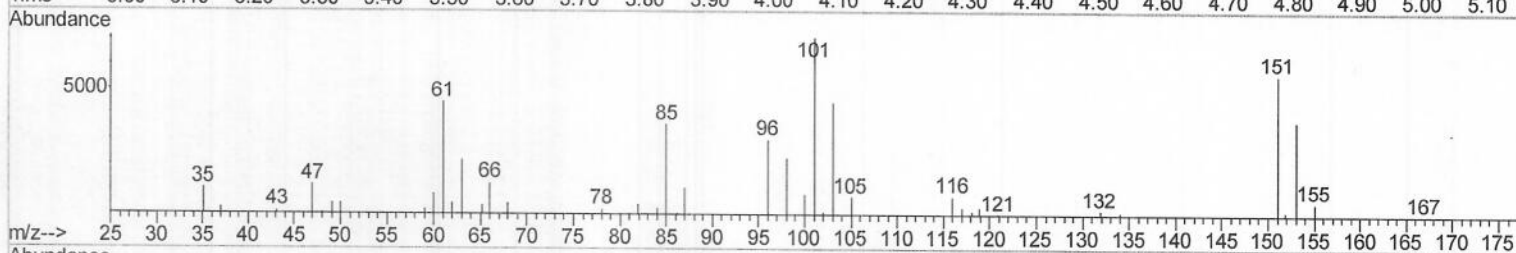
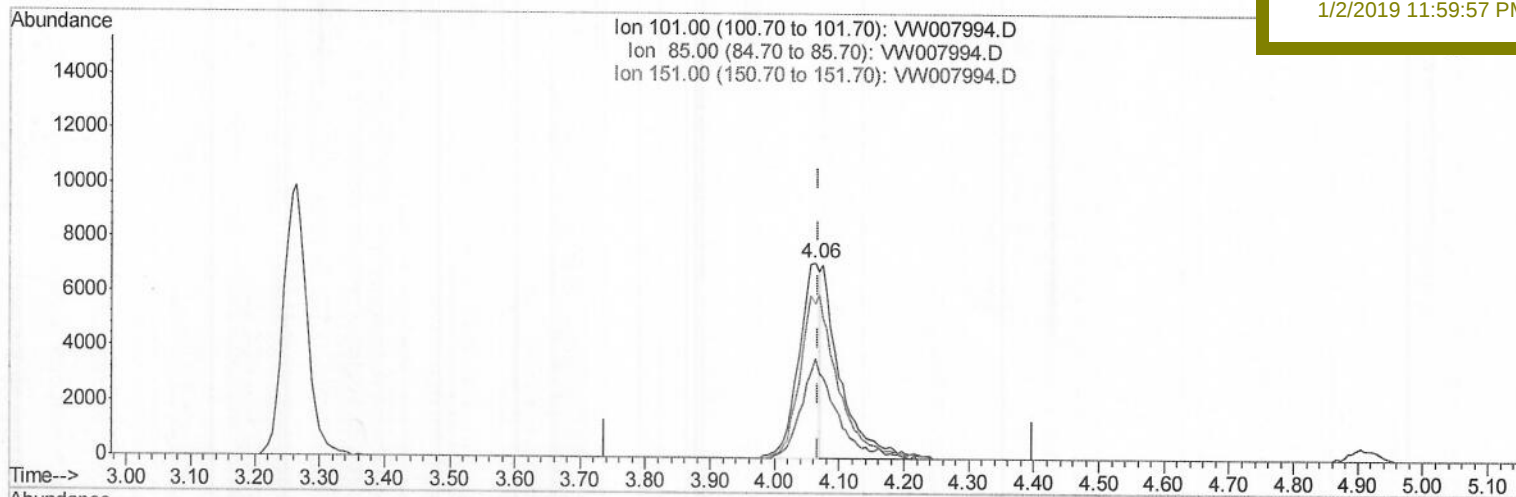
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(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (-0.006) 12.32ug/L

response 15632

Ion	Exp%	Act%
101.00	100	100
85.00	41.80	81.69#
151.00	79.00	150.97#
0.00	0.00	0.00

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LabSampleId :

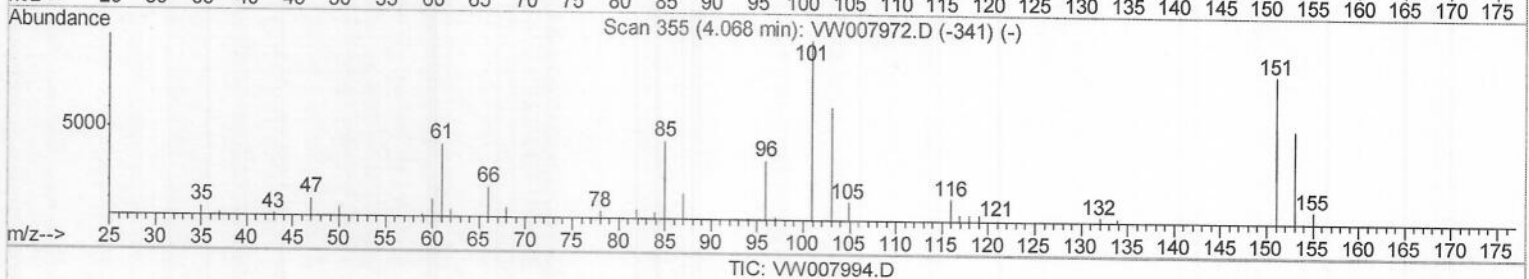
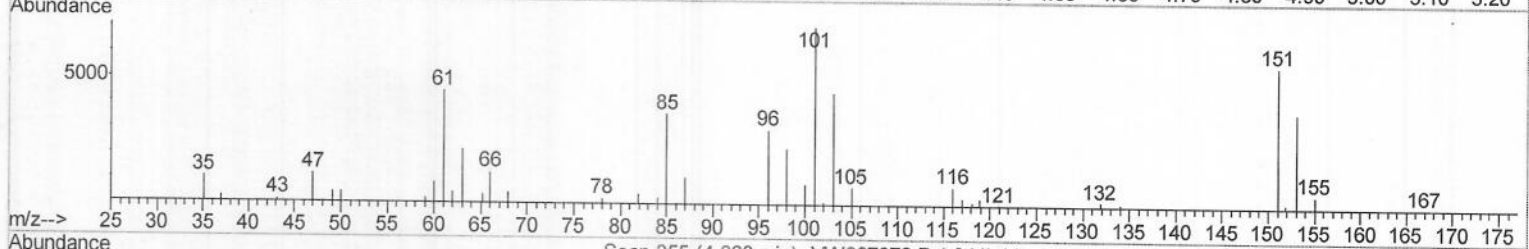
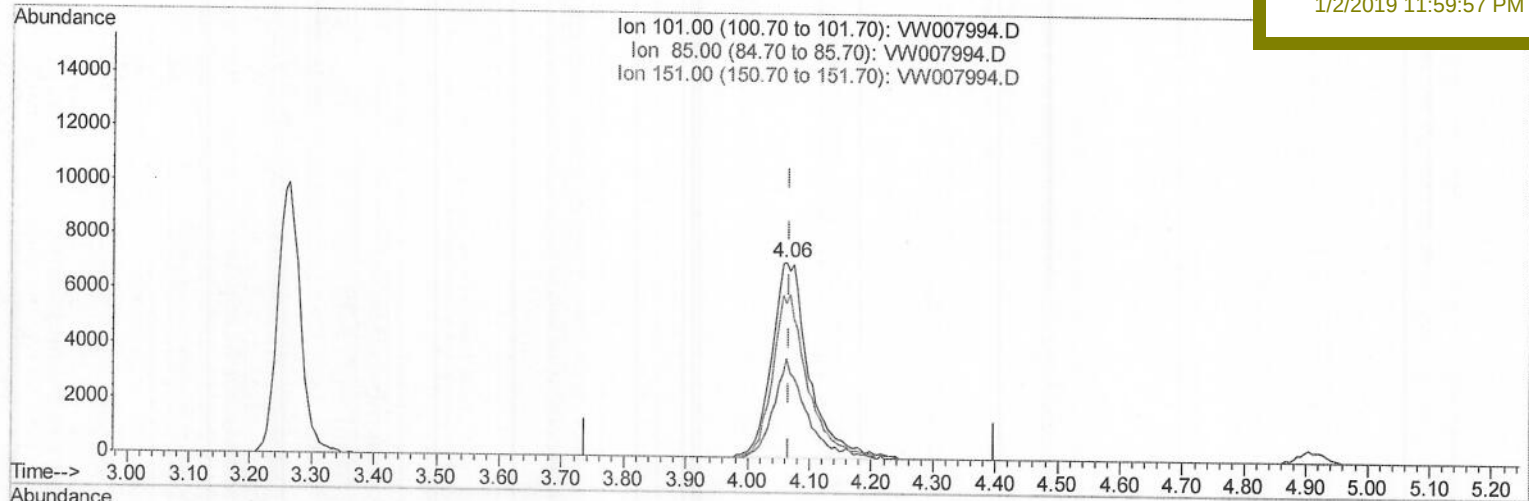
VSTD02594

Manual Integrations

APPROVED

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1/2/2019 11:59:57 PM



(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (-0.006) 23.67ug/L m

response 30037

Ion	Exp%	Act%
101.00	100	100
85.00	41.80	42.51
151.00	79.00	78.57
0.00	0.00	0.00

SY
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	8.84	114	100526	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	90756	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	45271	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23178	23.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.60%
7) Chloroethane-d5	2.89	69	17005	25.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.92%
10) 1,1-Dichloroethene-d2	4.01	63	60900	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.84%
20) 2-Butanone-d5	7.08	46	18269	43.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.48%
24) Chloroform-d	7.65	84	64099	23.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	8.31	65	38951	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.16%
29) Benzene-d6	8.27	84	117049	23.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.00%
33) 1,2-Dichloropropane-d6	9.27	67	31421	22.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.76%
37) Toluene-d8	10.32	98	112353	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.64%
38) trans-1,3-Dichloropropene-	10.58	79	17756	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.93	63	14249	40.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	30553	22.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	41953	22.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	25922m	23.397	ug/L
3) Chloromethane	2.21	50	18987	21.746	ug/L
5) Vinyl chloride	2.37	62	26250	24.168	ug/L
6) Bromomethane	2.78	94	15823	24.556	ug/L
8) Chloroethane	2.93	64	14018	25.976	ug/L
9) Trichlorofluoromethane	3.26	101	24635	26.266	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	30037m	23.670	ug/L
12) 1,1-Dichloroethene	4.03	96	27774	23.901	ug/L
13) Acetone	4.12	43	17330	41.983	ug/L
14) Carbon disulfide	4.37	76	88284	23.986	ug/L
15) Methyl Acetate	4.67	43	13133	20.907	ug/L
16) Methylene chloride	4.90	84	35777	21.995	ug/L
17) Methyl tert-butyl Ether	5.42	73	47714	23.101	ug/L
18) trans-1,2-Dichloroethene	5.42	96	29679	23.545	ug/L
19) 1,1-Dichloroethane	6.21	63	49205	23.464	ug/L
21) 2-Butanone	7.17	43	18610	39.621	ug/L
22) cis-1,2-Dichloroethene	7.17	96	31399	23.246	ug/L

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01/02/19

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	14232	23.403	ug/L	92
25) Chloroform	7.67	83	55717	23.591	ug/L	98
27) 1,2-Dichloroethane	8.40	62	41450	23.929	ug/L	97
30) Cyclohexane	7.95	56	44506	22.290	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	52624	24.185	ug/L	100
32) Carbon tetrachloride	8.07	117	50565	24.205	ug/L	99
34) Benzene	8.32	78	115867	23.858	ug/L	100
35) Trichloroethene	9.09	95	32153	22.788	ug/L	98
36) Methylcyclohexane	9.34	83	54833	22.662	ug/L	97
40) 1,2-Dichloropropane	9.37	63	25574	22.402	ug/L	98
41) Bromodichloromethane	9.65	83	40004	23.827	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	46261	23.215	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	35198	38.956	ug/L	97
44) Toluene	10.39	91	126420	23.267	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	41241	22.460	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	21516	22.278	ug/L	98
47) Tetrachloroethene	10.86	164	25226	22.502	ug/L	98
49) 2-Hexanone	10.97	43	26177	40.156	ug/L	97
50) Dibromochloromethane	11.13	129	29292	23.806	ug/L	100
51) 1,2-Dibromoethane	11.24	107	22448	22.773	ug/L	96
52) Chlorobenzene	11.66	112	83319	23.556	ug/L	98
53) Ethylbenzene	11.73	91	149415	23.934	ug/L	100
54) m,p-Xylene	11.84	106	56796	24.148	ug/L	98
55) o-xylene	12.17	106	52451	23.514	ug/L	100
56) Styrene	12.18	104	91987	24.330	ug/L	99
57) Isopropylbenzene	12.47	105	149619	23.679	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	25878	21.610	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	20973	21.774	ug/L	99
62) Bromoform	12.35	173	16578	23.229	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	66939	23.129	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	67562	23.474	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	61225	23.303	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	5657	21.839	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	49515	23.358	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	40760	22.400	ug/L	100
69) Naphthalene	15.38	128	89251	21.669	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	36503	22.661	ug/L	100

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