

Data File : VW009659.D
Acq On : 03 Apr 2019 11:01
Operator : SY/VA
Sample : VSTD2.510
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

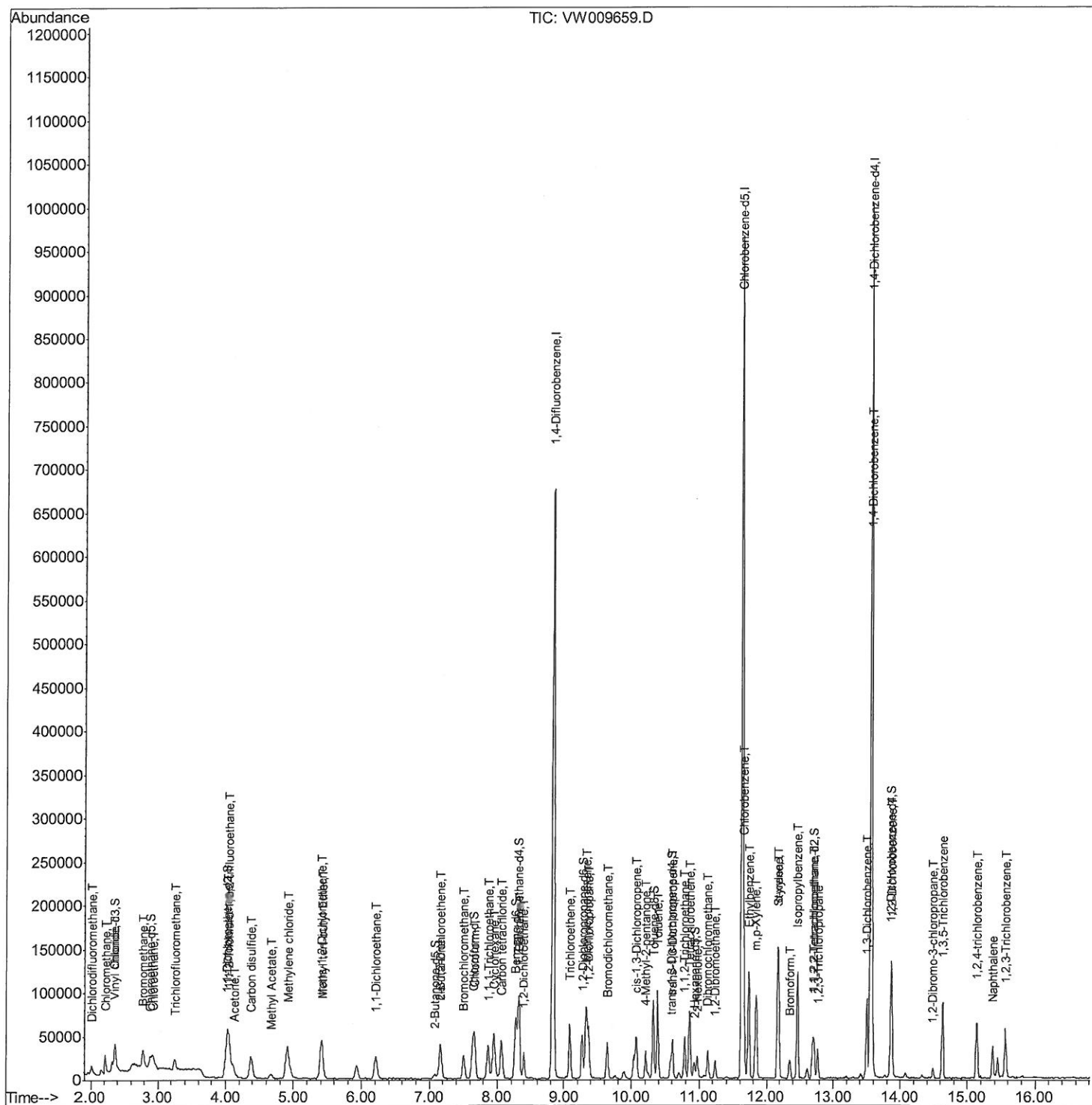
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.510

Manual Integrations
APPROVED

MMDadoda

4/10/2019 8:53:15 AM

Quant Time: Apr 03 14:37:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:24:12 2019
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040319\
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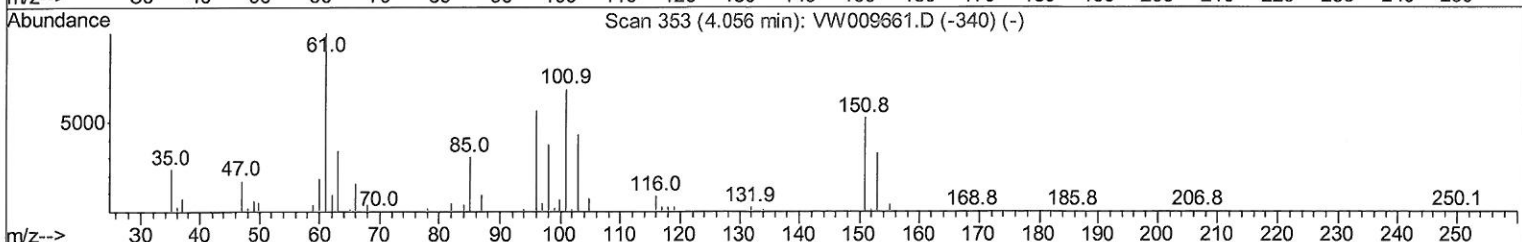
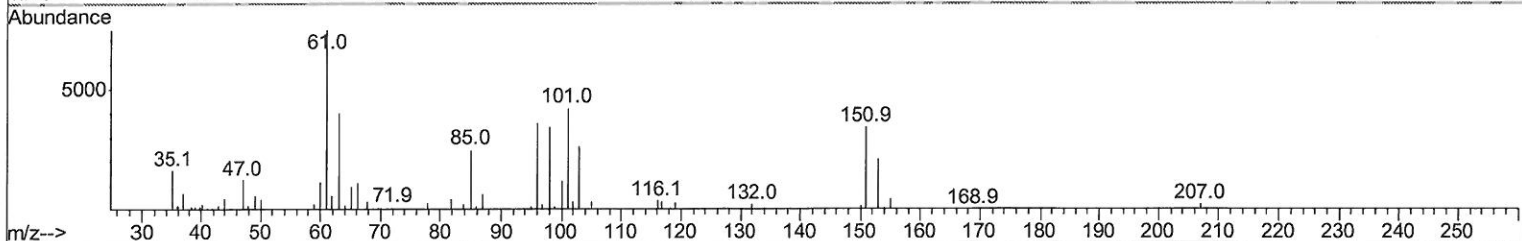
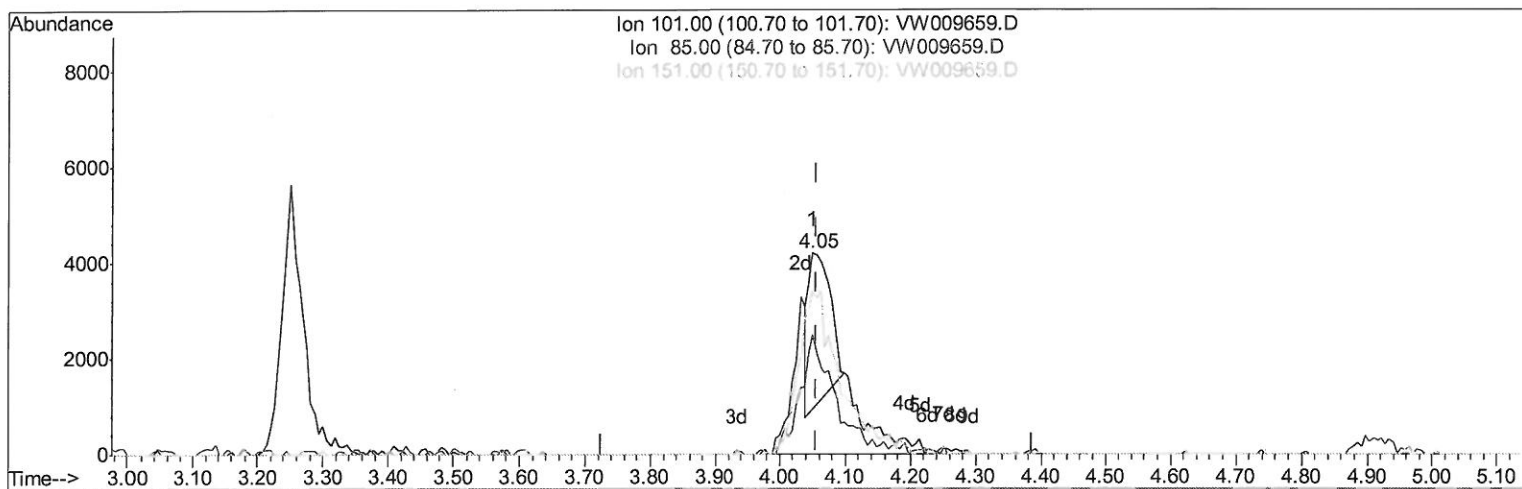
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TIC: VW009659.D

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

4.050min (-0.006) 1.04ug/L

response 7302

Ion	Exp%	Act%
101.00	100	100
85.00	47.20	77.95#
151.00	75.80	120.78#
0.00	0.00	0.00

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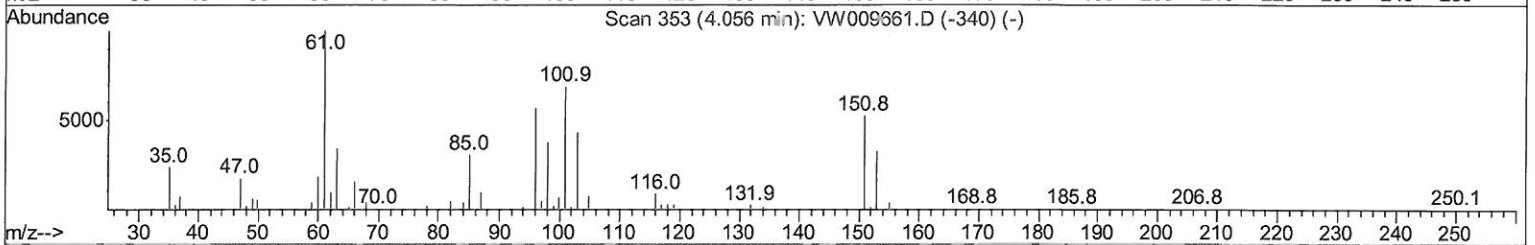
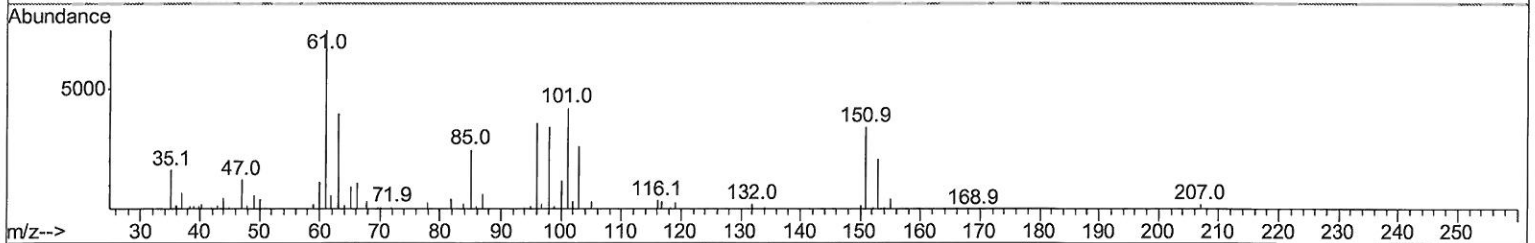
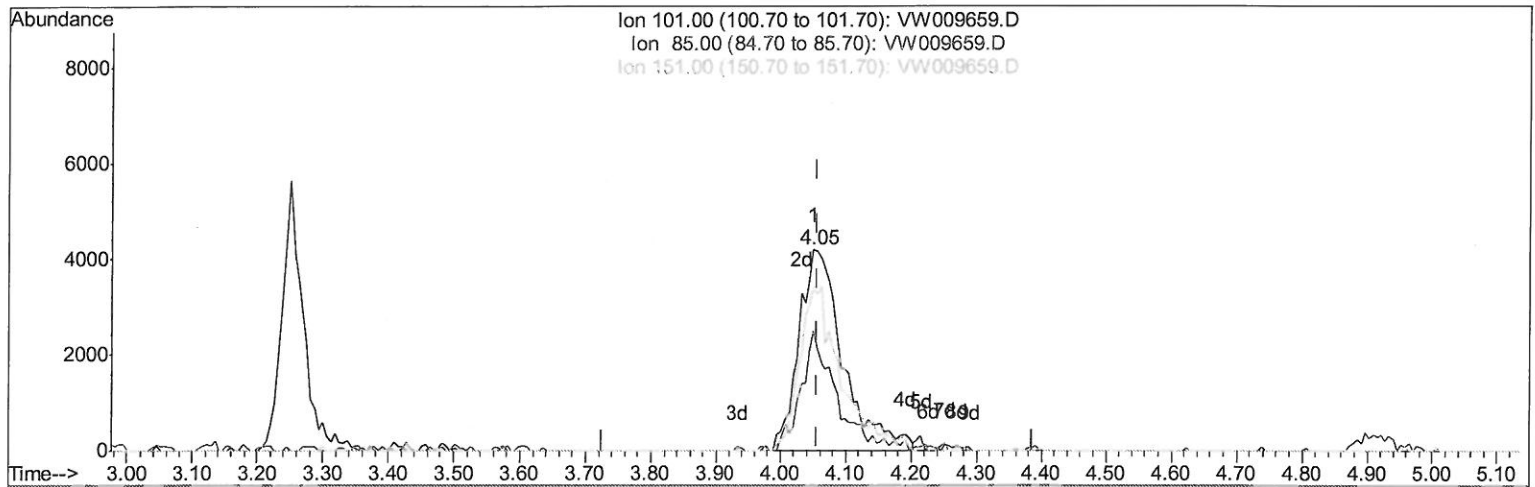
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(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.050min (-0.006) 2.81ug/L m

response 19627

Ion	Exp%	Act%
101.00	100	100
85.00	47.20	29.00#
151.00	75.80	44.93#
0.00	0.00	0.00

→ M9
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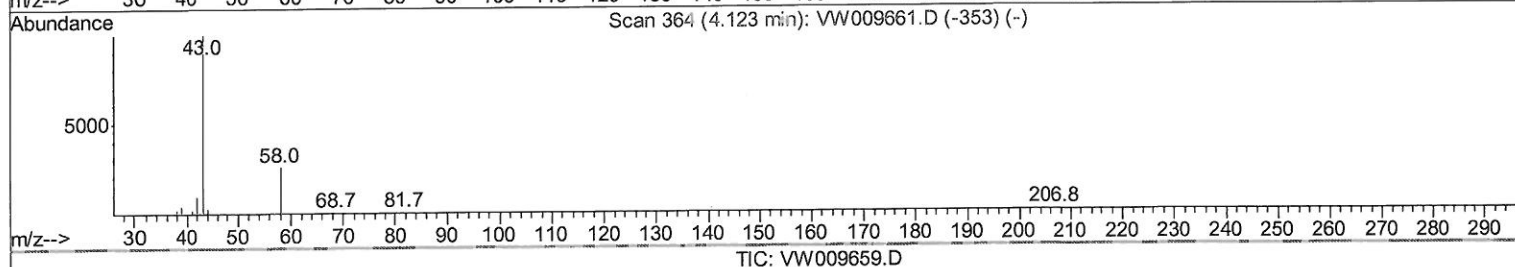
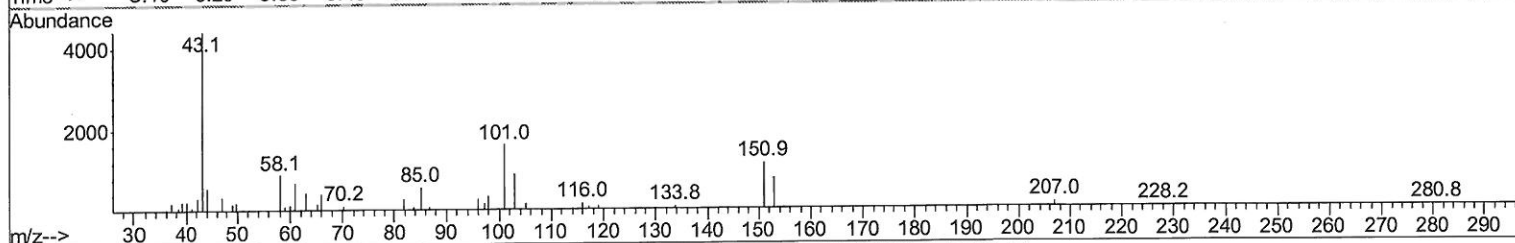
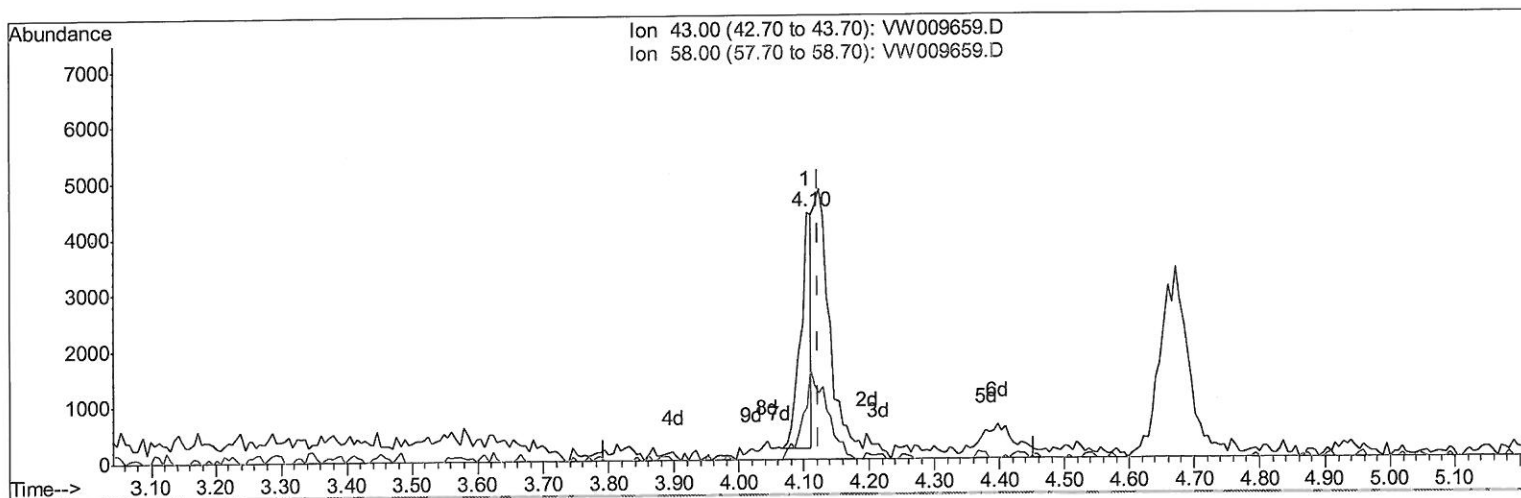
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(13) Acetone (T)

4.105min (-0.018) 2.32ug/L

response 4999

Ion	Exp%	Act%
43.00	100	100
58.00	26.50	37.13
0.00	0.00	0.00
0.00	0.00	0.00

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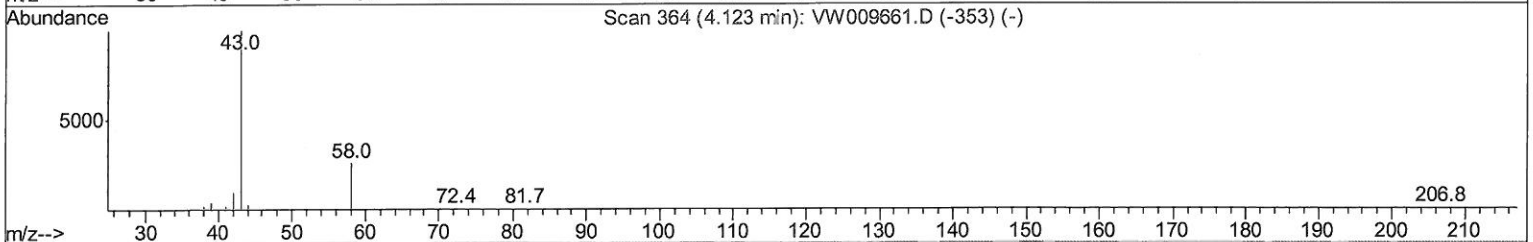
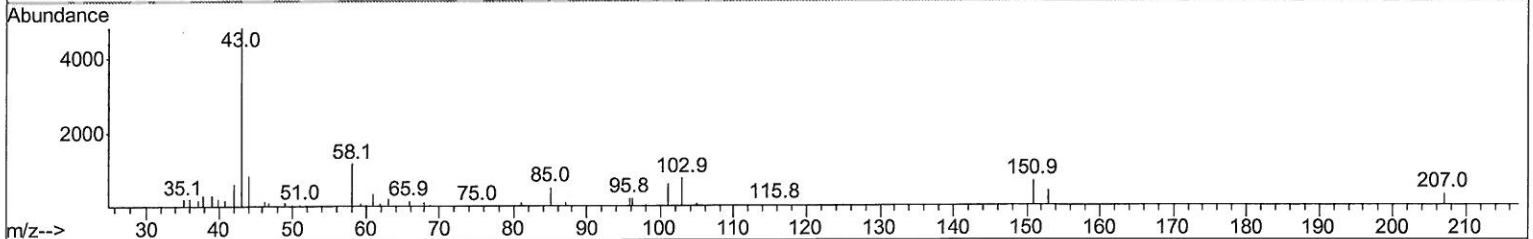
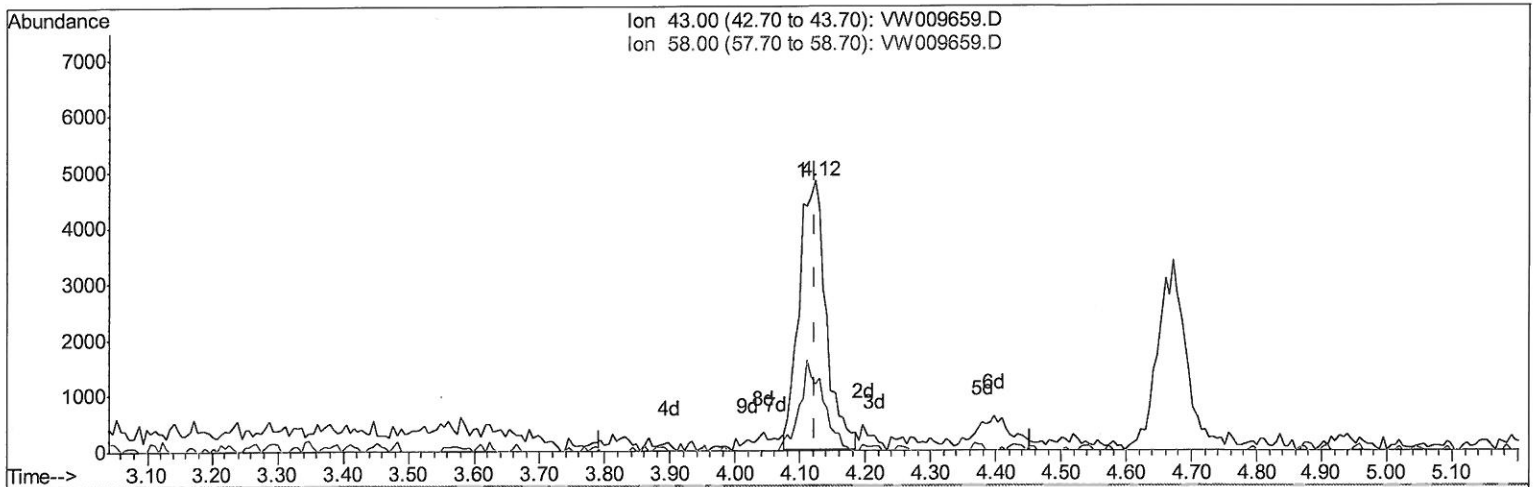
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(13) Acetone (T)

4.123min (+0.000) 6.38ug/L m

response 13781

Ion	Exp%	Act%
43.00	100	100
58.00	26.50	13.47
0.00	0.00	0.00
0.00	0.00	0.00

7 mg
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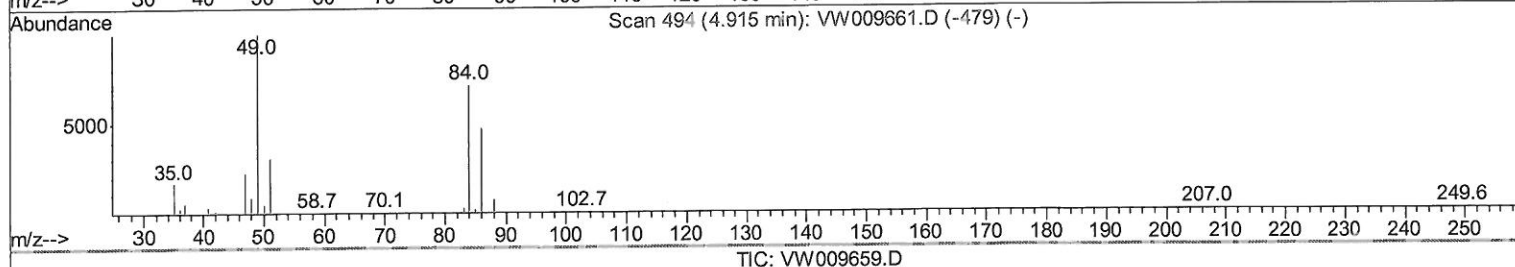
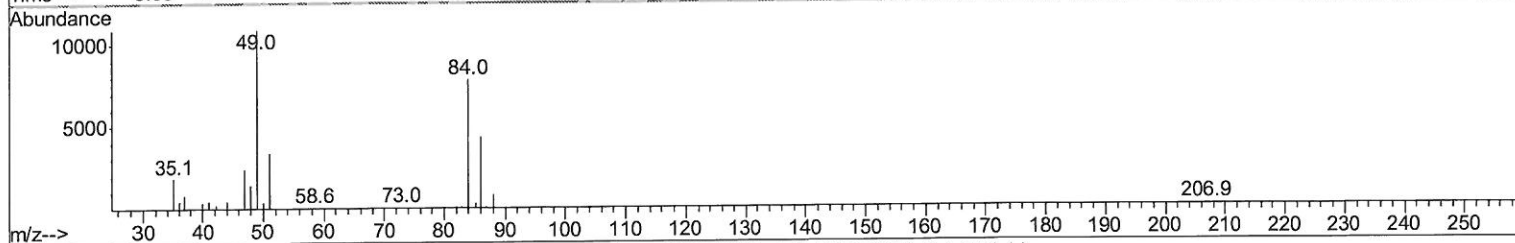
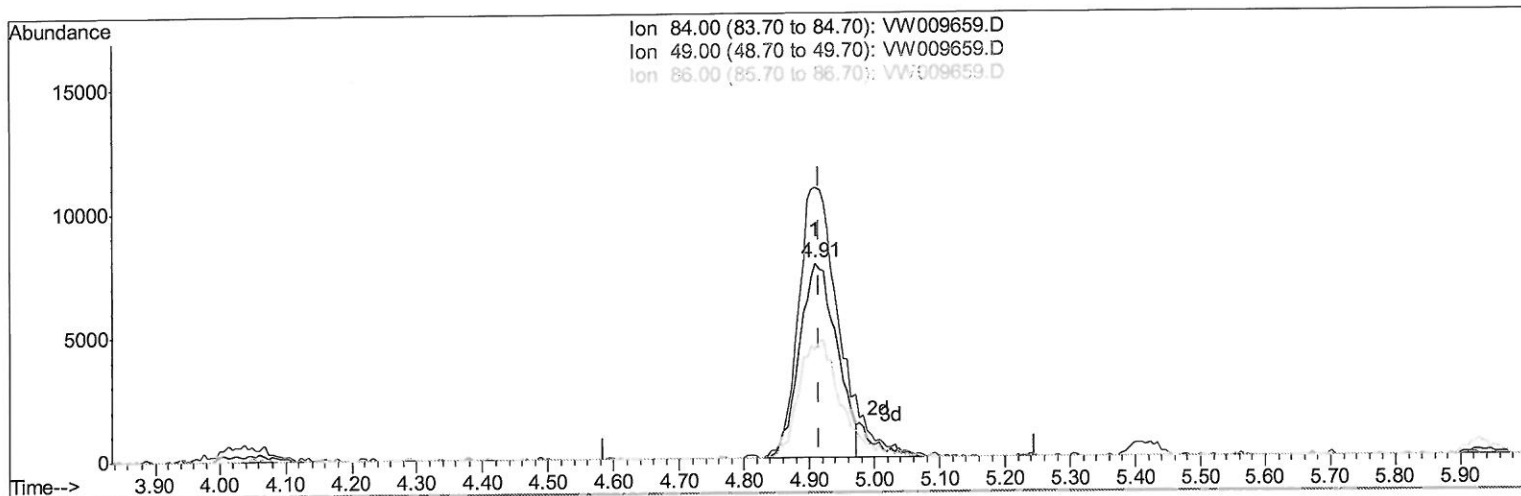
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(16) Methylene chloride (T)

4.909min (-0.006) 4.01ug/L

response 31178

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	139.16
86.00	66.30	55.89
0.00	0.00	0.00

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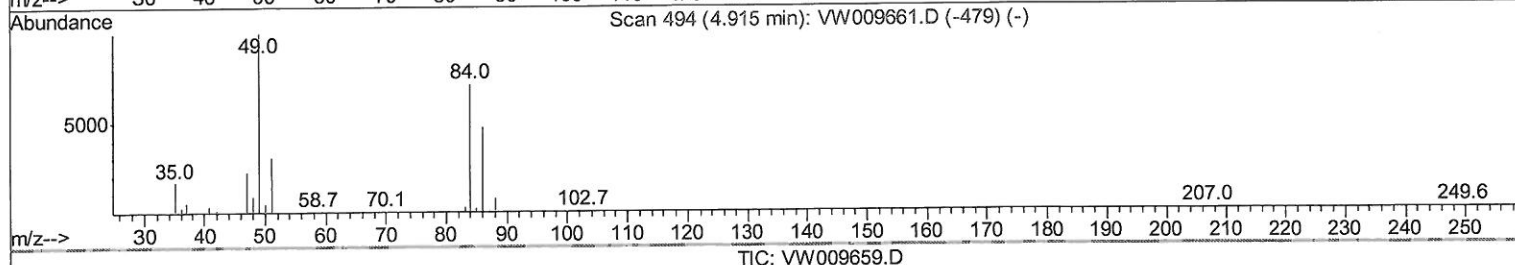
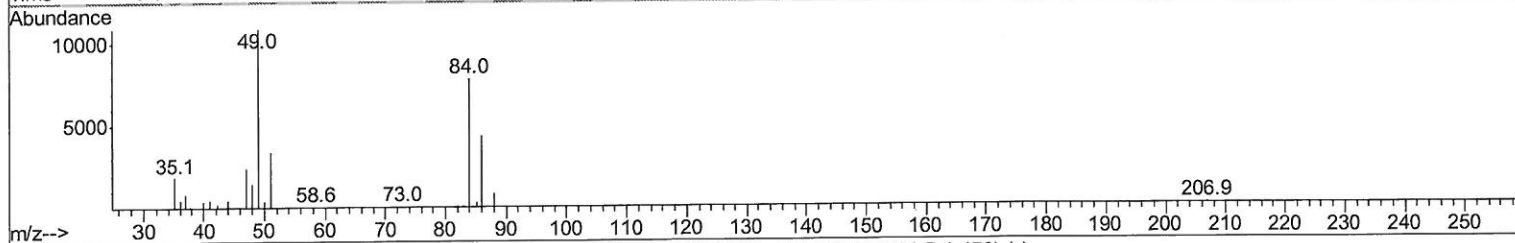
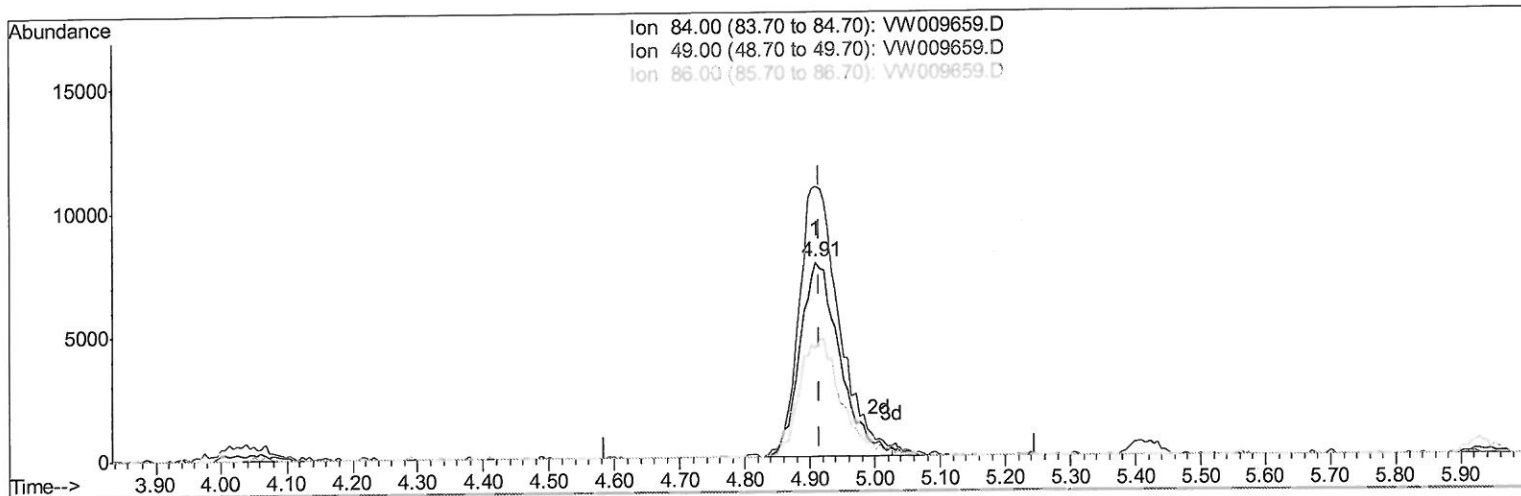
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TIC: VW009659.D

(16) Methylene chloride (T)

4.909min (-0.006) 4.29ug/L m

response 33316

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	139.16
86.00	66.30	55.89
0.00	0.00	0.00

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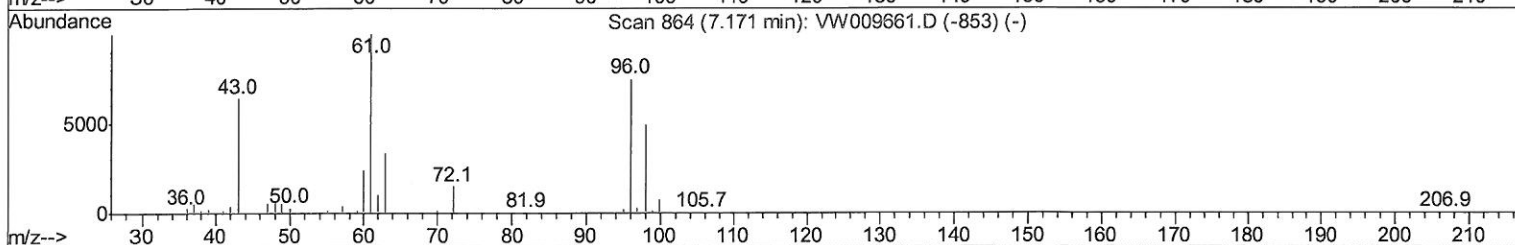
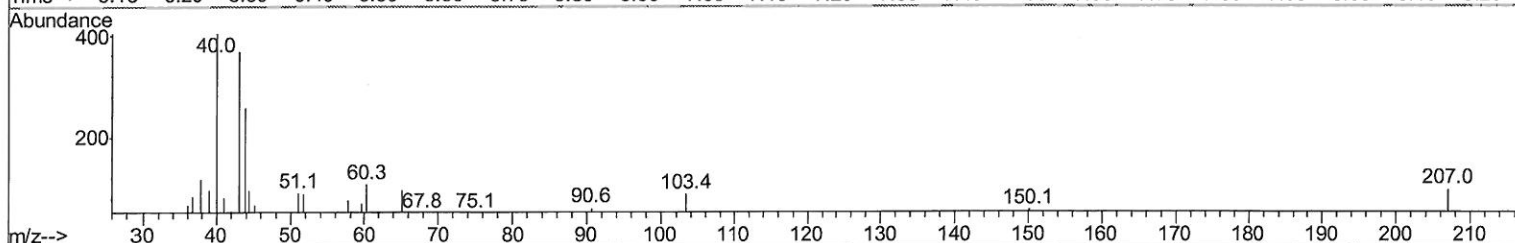
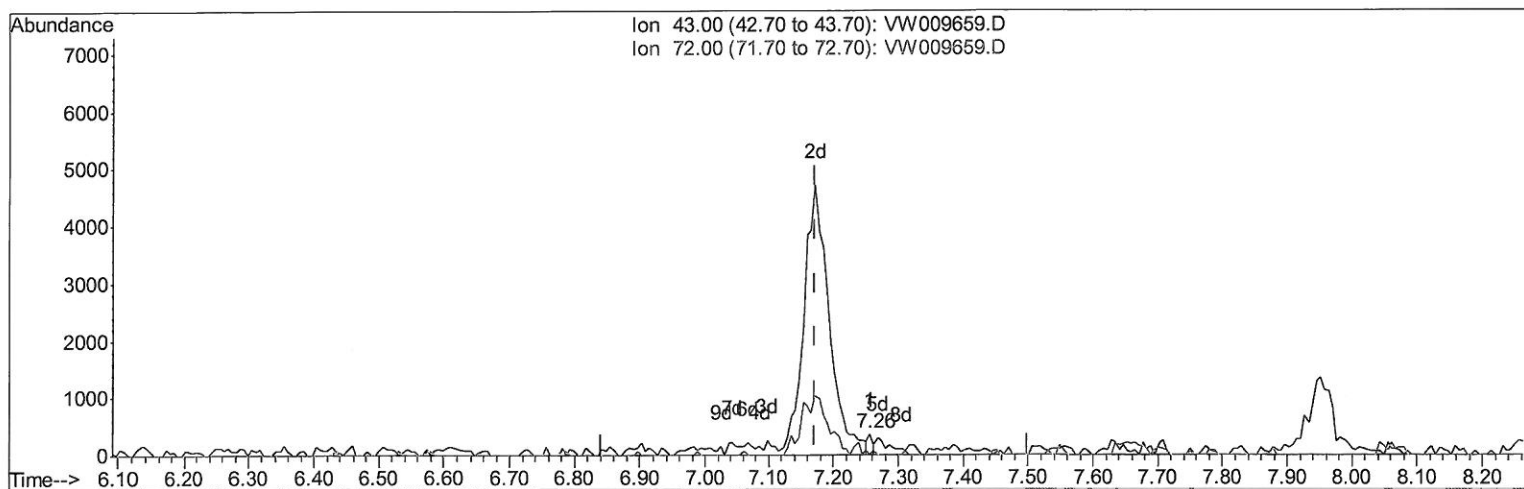
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TIC: VW009659.D

(21) 2-Butanone

7.257min (+0.086) 0.07ug/L

response 198

Ion	Exp%	Act%
43.00	100	100
72.00	24.10	14.14
0.00	0.00	0.00
0.00	0.00	0.00

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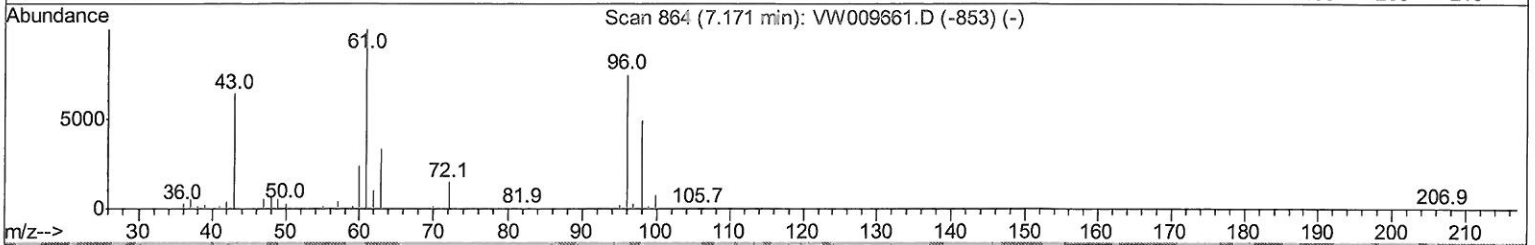
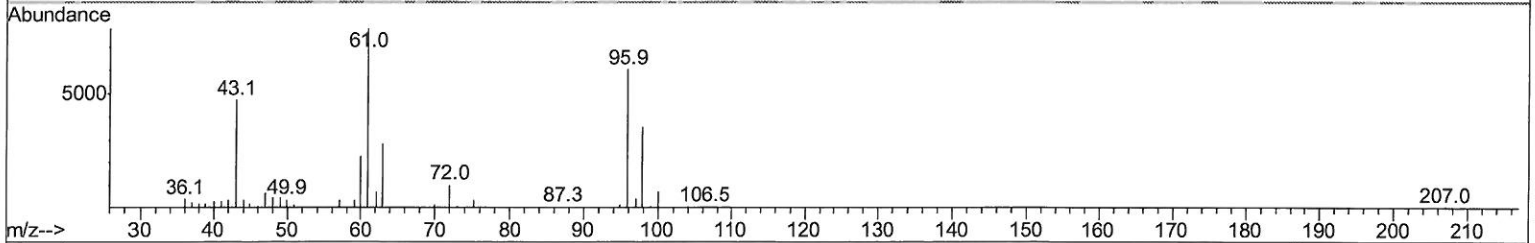
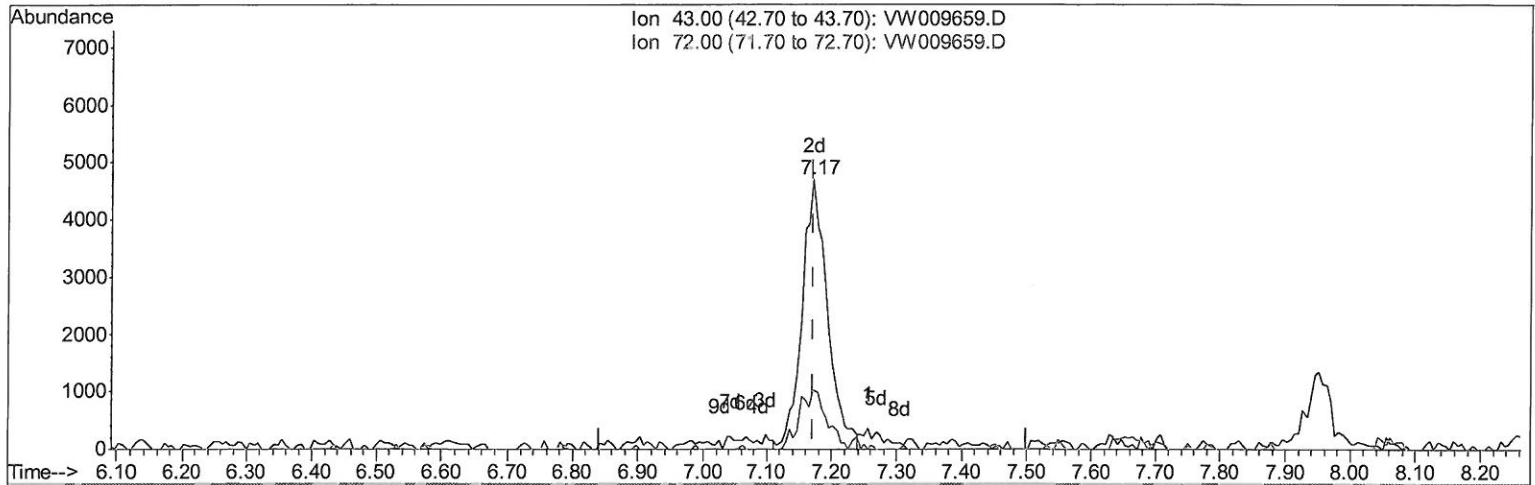
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TIC: VW009659.D

(21) 2-Butanone

7.171min (+0.000) 4.26ug/L m

response 12705

Ion	Exp%	Act%
43.00	100	100
72.00	24.10	0.22#
0.00	0.00	0.00
0.00	0.00	0.00

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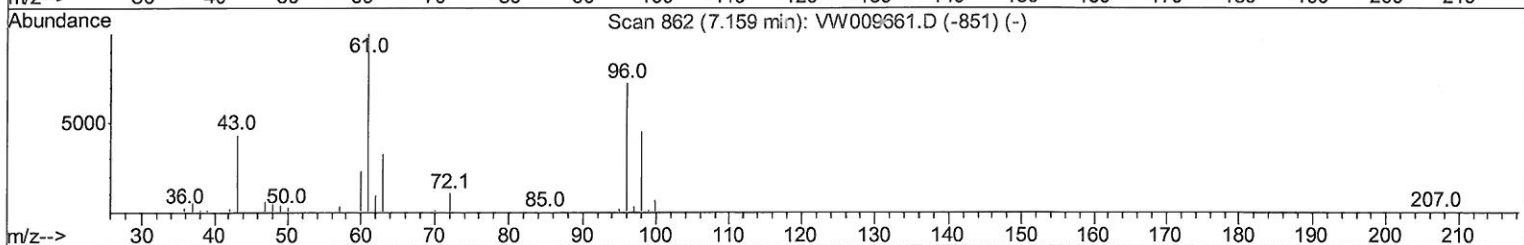
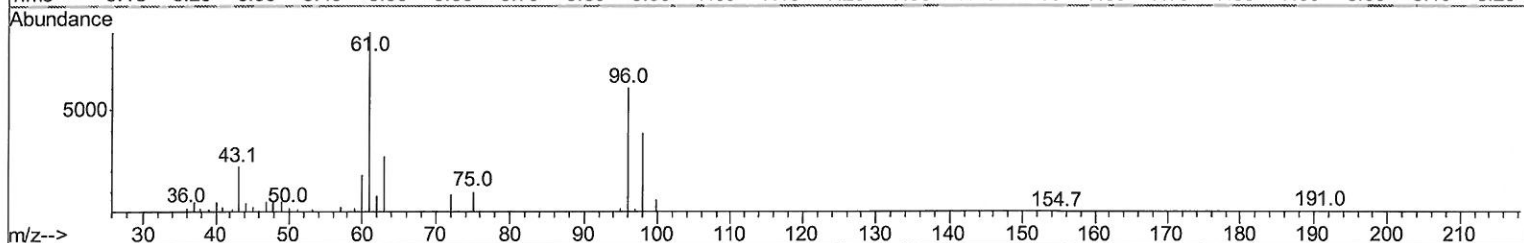
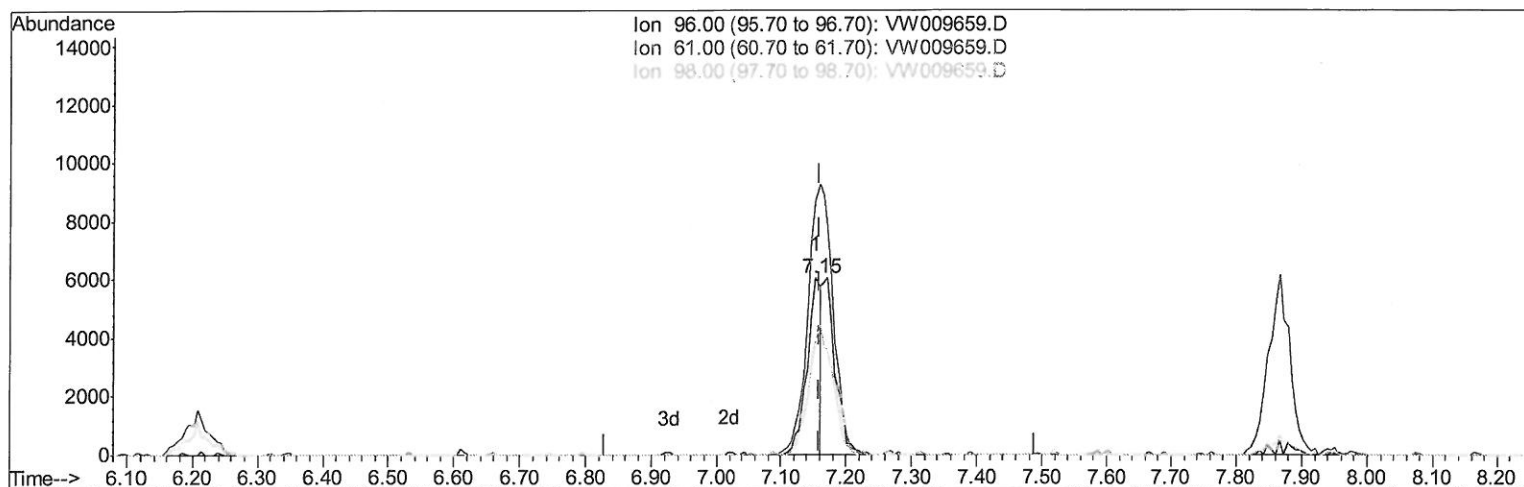
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(22) cis-1,2-Dichloroethene (T)

7.153min (-0.006) 1.15ug/L

response 8625

Ion	Exp%	Act%
96.00	100	100
61.00	138.30	144.31
98.00	62.20	63.97
0.00	0.00	0.00

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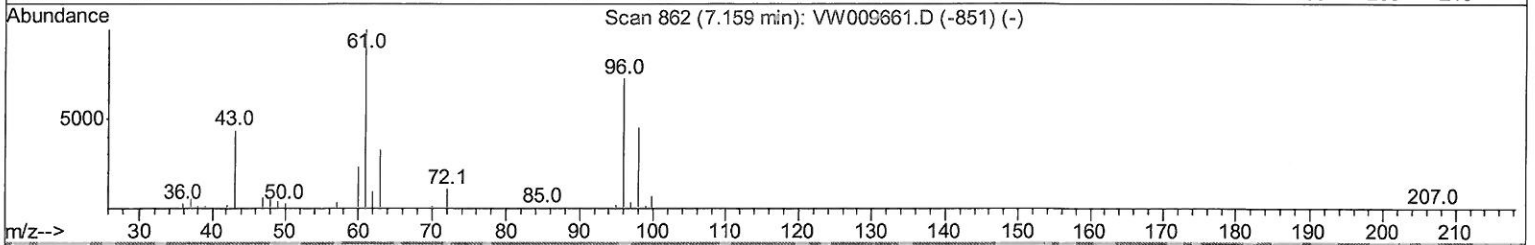
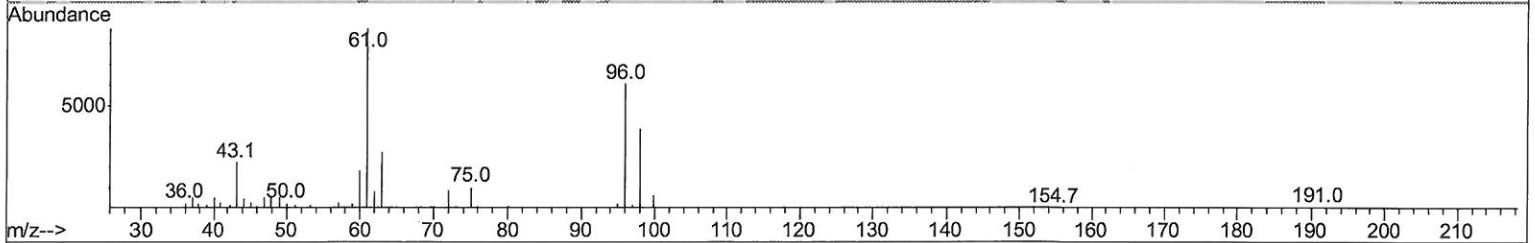
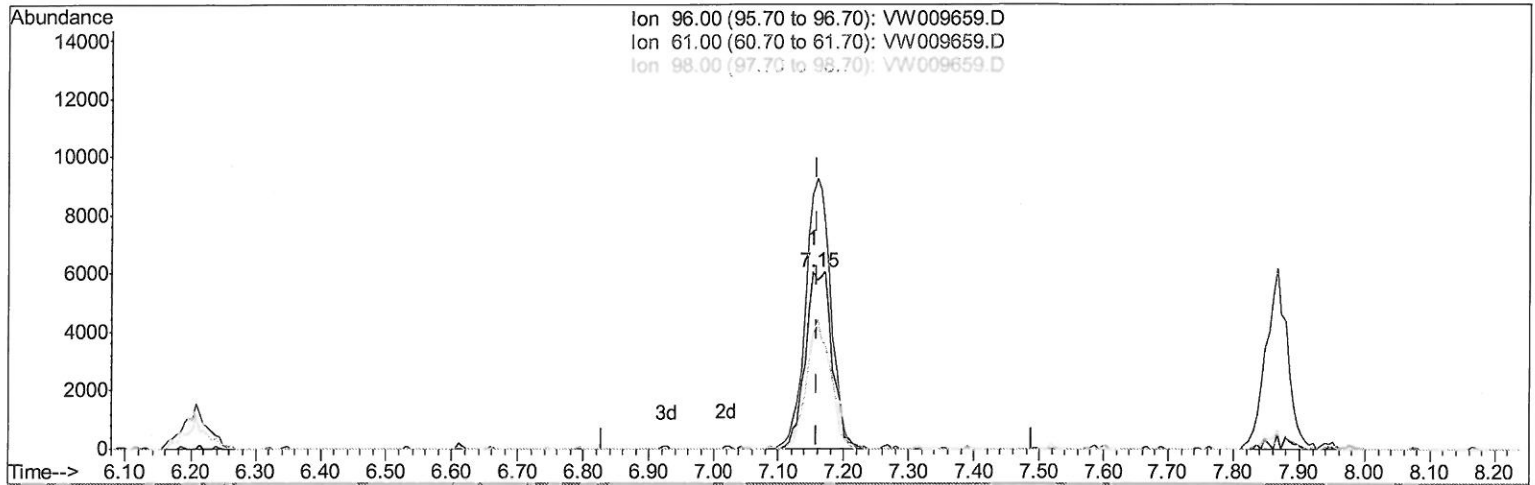
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(22) cis-1,2-Dichloroethene (T)

7.153min (-0.006) 2.32ug/L m

response 17319

Ion	Exp%	Act%
96.00	100	100
61.00	138.30	144.31
98.00	62.20	63.97
0.00	0.00	0.00

7 mg
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	8.84	114	532664	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	492128	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232866	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	18451	2.90	ug/L	-0.01
7) Chloroethane-d5	2.89	69	15833	2.13	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	38615	2.81	ug/L	0.00
20) 2-Butanone-d5	7.08	46	8697	3.30	ug/L	0.00
24) Chloroform-d	7.64	84	35780	2.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	21477	2.45	ug/L	0.00
29) Benzene-d6	8.27	84	64274	2.37	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	20396	2.50	ug/L	0.00
37) Toluene-d8	10.32	98	56266	2.24	ug/L	0.00
38) trans-1,3-Dichloropropene	10.58	79	8799	2.15	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4576	2.32	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane	12.69	84	16466	2.05	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20521	2.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	15646	2.230 ug/L	94
3) Chloromethane	2.21	50	17531	2.355 ug/L	96
5) Vinyl chloride	2.36	62	23372	3.050 ug/L	98
6) Bromomethane	2.78	94	16196	2.523 ug/L	97
8) Chloroethane	2.93	64	14834	2.340 ug/L	92
9) Trichlorofluoromethane	3.25	101	12339	2.039 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	19627m	2.808 ug/L	
12) 1,1-Dichloroethene	4.03	96	17379	2.650 ug/L	82
13) Acetone	4.12	43	13781m	6.384 ug/L	
14) Carbon disulfide	4.37	76	54621	3.094 ug/L	99
15) Methyl Acetate	4.67	43	10100	2.382 ug/L	98
16) Methylene chloride	4.91	84	33316m	4.289 ug/L	
17) Methyl tert-butyl Ether	5.43	73	19564	2.108 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	17540	2.543 ug/L	100
19) 1,1-Dichloroethane	6.21	63	33658	2.677 ug/L	98
21) 2-Butanone	7.17	43	12705m	4.262 ug/L	
22) cis-1,2-Dichloroethene	7.15	96	17319m	2.318 ug/L	
23) Bromochloromethane	7.51	128	8030	2.241 ug/L	93
25) Chloroform	7.67	83	36059	2.738 ug/L	98
27) 1,2-Dichloroethane	8.40	62	26118	2.660 ug/L	99
30) Cyclohexane	7.95	56	24522	2.194 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	28847	2.935 ug/L	99
32) Carbon tetrachloride	8.06	117	28535	2.877 ug/L	100
34) Benzene	8.32	78	72770	2.702 ug/L	100
35) Trichloroethene	9.09	95	19371	2.699 ug/L	98
36) Methylcyclohexane	9.33	83	28537	2.298 ug/L	97
40) 1,2-Dichloropropane	9.37	63	18179	2.630 ug/L	# 96
41) Bromodichloromethane	9.64	83	24715	2.581 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	25103	2.230 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	22111	3.530 ug/L	95

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Quantitation Report (QT Reviewed)

Data File : VW009659.D
Acq On : 03 Apr 2019 11:01
Operator : SY/VA
Sample : VSTD2.510
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.510

Manual Integrations
APPROVED

MMDadoda

4/10/2019 8:53:15 AM

Quant Time: Apr 03 14:37:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:24:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
44) Toluene	10.38	91	71456	2.426	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	20280	2.071	ug/L	90
46) 1,1,2-Trichloroethane	10.79	97	12945	2.347	ug/L	94
47) Tetrachloroethene	10.86	164	14848	2.448	ug/L	92
49) 2-Hexanone	10.97	43	16005	3.628	ug/L	97
50) Dibromochloromethane	11.13	129	15127	2.222	ug/L	98
51) 1,2-Dibromoethane	11.24	107	12632	2.260	ug/L #	98
52) Chlorobenzene	11.66	112	49191	2.604	ug/L	97
53) Ethylbenzene	11.73	91	79397	2.398	ug/L	99
54) m,p-Xylene	11.84	106	28766	2.287	ug/L	94
55) o-xylene	12.16	106	25474	2.076	ug/L	93
56) Styrene	12.18	104	42936	2.051	ug/L	97
57) Isopropylbenzene	12.46	105	69659	2.119	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	16756	2.252	ug/L #	97
59) 1,2,3-Trichloropropane	12.77	75	12230	2.215	ug/L	98
62) Bromoform	12.35	173	9075	2.306	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	33640	2.424	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	38747	2.700	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	32388	2.447	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.48	75	3227	2.488	ug/L #	65
67) 1,3,5-Trichlorobenzene	14.63	180	25716	2.376	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	18638	2.050	ug/L	96
69) Naphthalene	15.37	128	28865	1.531	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	16771	1.969	ug/L	92

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