

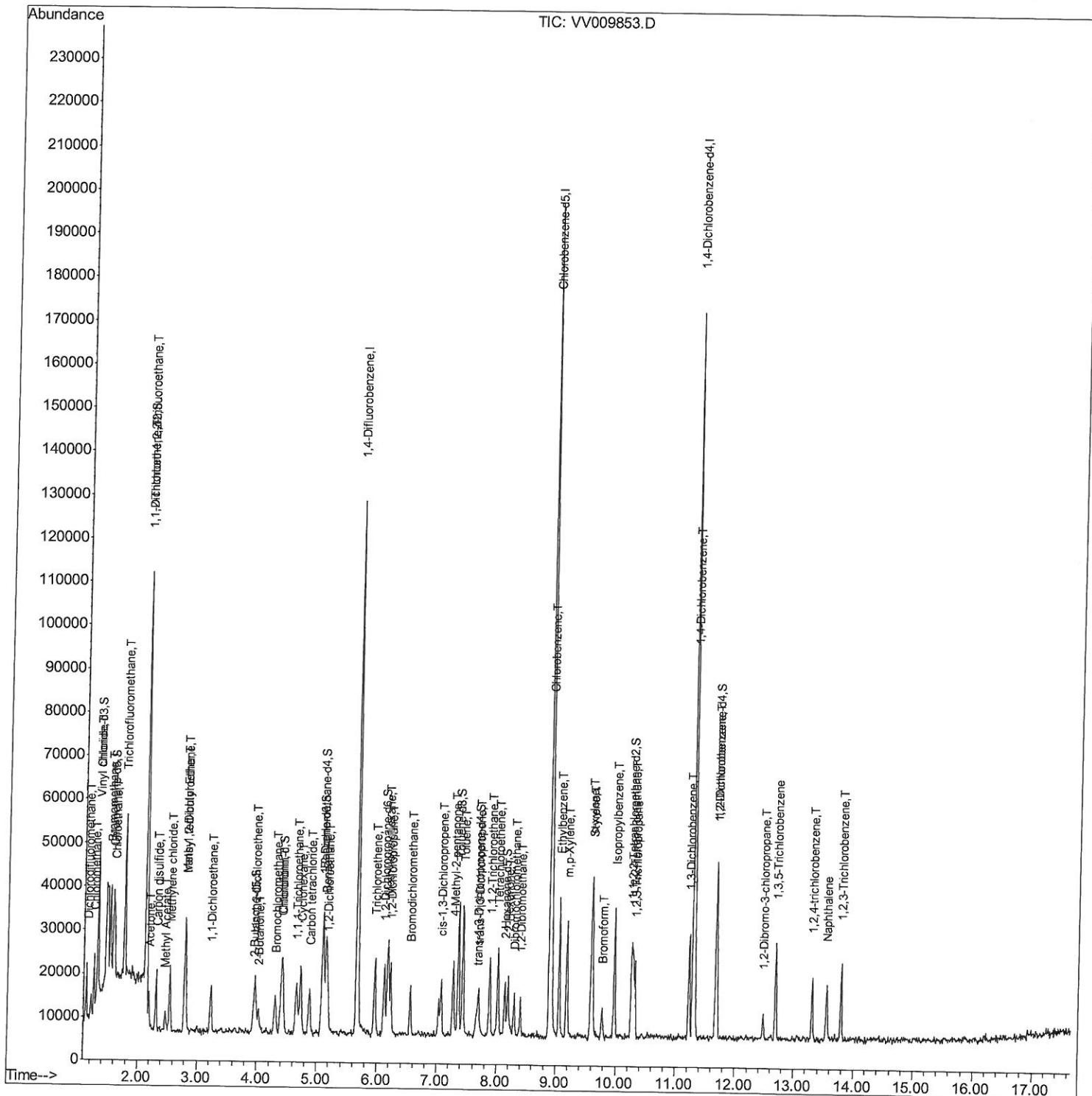
Data File : VV009853.D
Acq On : 25 Mar 2019 11:23
Operator : SY/MD
Sample : VSTD00563
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Manual Integrations APPROVED

MMDadoda
3/26/2019 11:05:34 AM

Quant Time: Mar 26 06:40:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 05:58:40 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

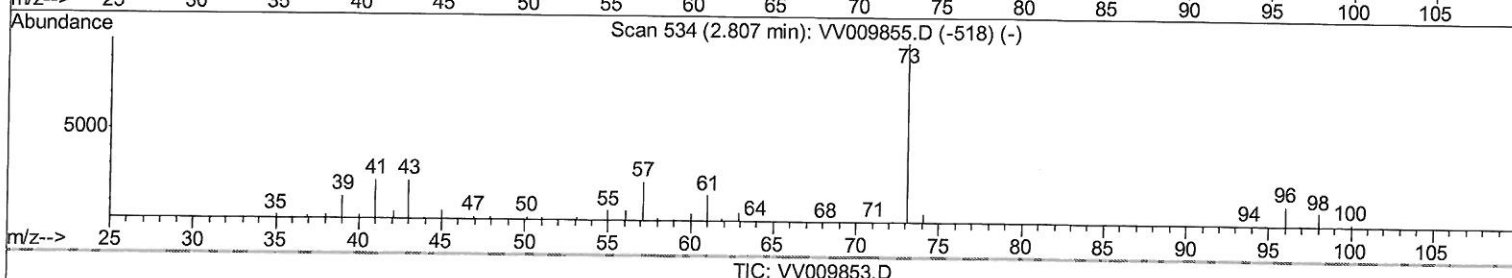
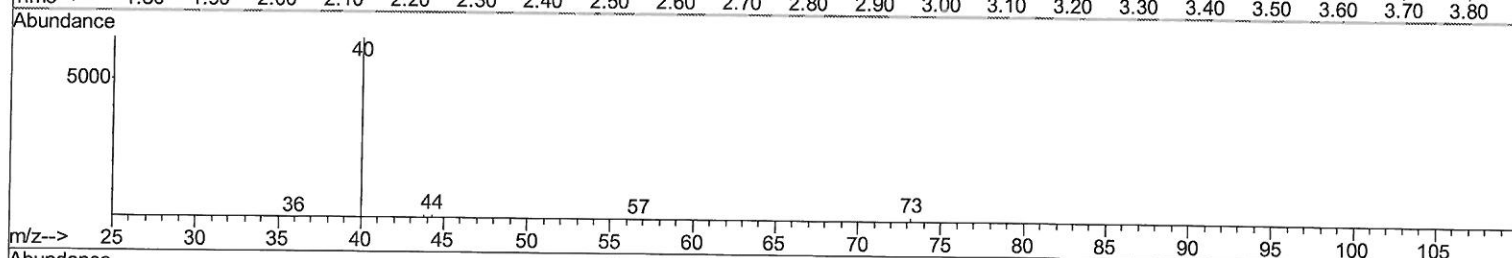
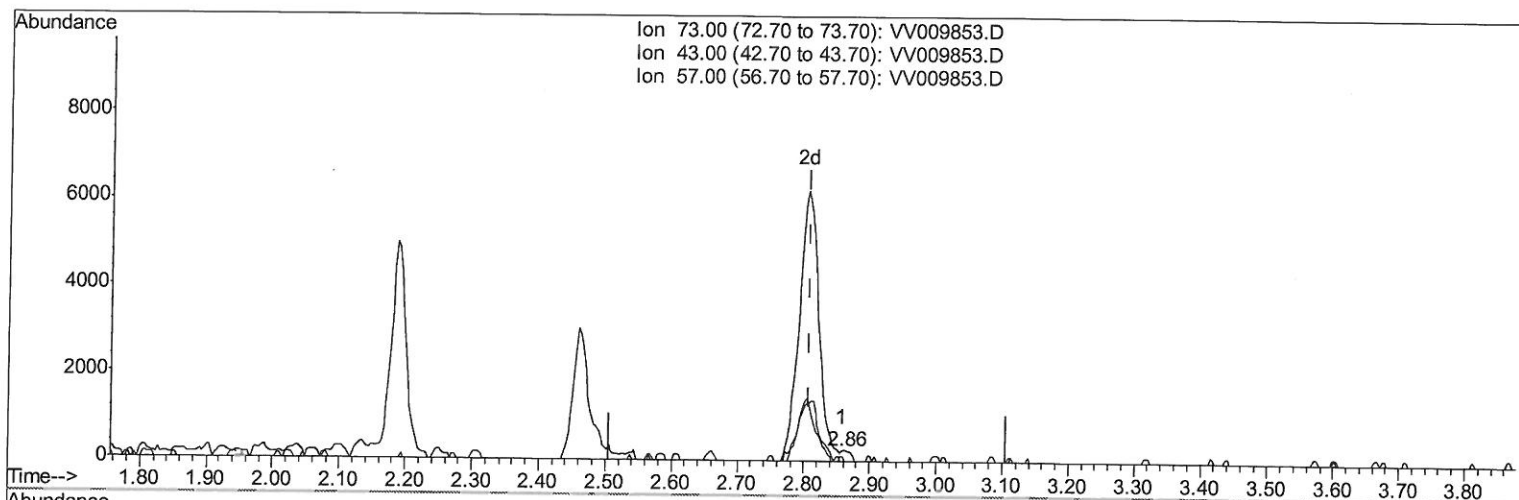
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Manual Integrations
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MMDadoda
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QLast Update : Tue Mar 26 05:58:40 2019
Response via : Initial Calibration



TIC: VV009853.D

(18) Methyl tert-butyl Ether (T)

2.859min (+0.051) 0.12ug/L

response 241

Ion	Exp%	Act%
73.00	100	100
43.00	21.40	19.09
57.00	21.10	18.26
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

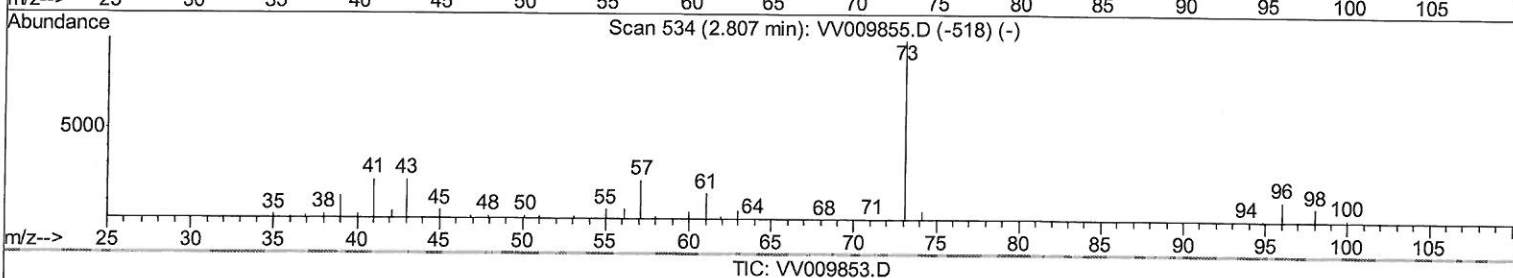
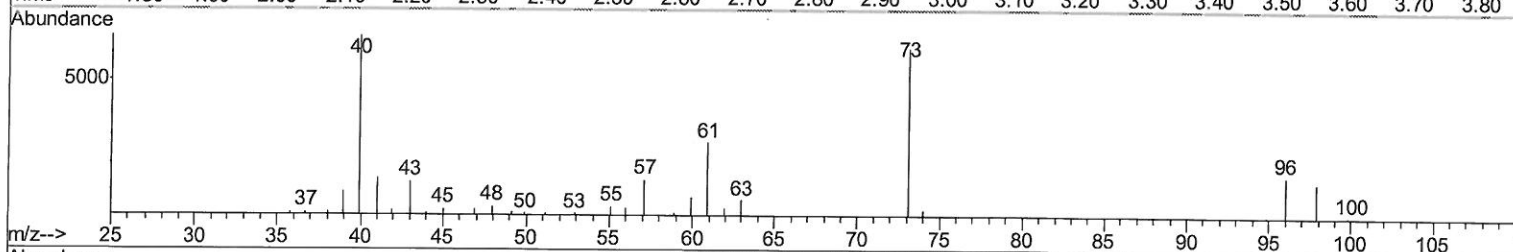
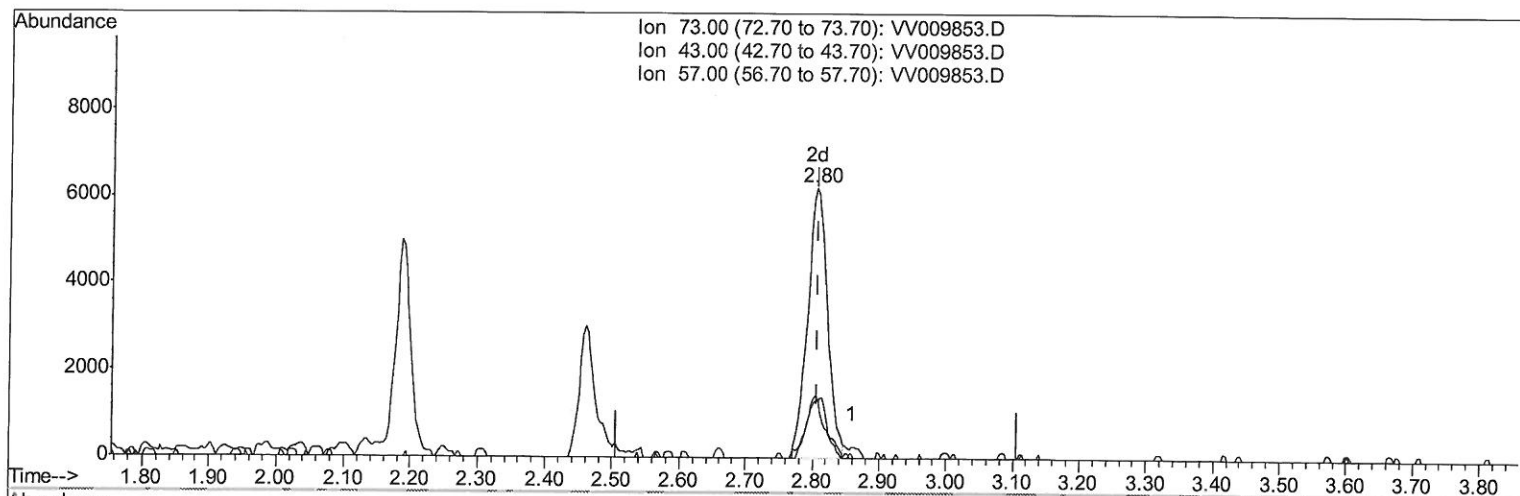
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TIC: VV009853.D

(18) Methyl tert-butyl Ether (T)

2.804min (-0.003) 6.12ug/L m

response 12783

Ion	Exp%	Act%
73.00	100	100
43.00	21.40	0.36#
57.00	21.10	0.34#
0.00	0.00	0.00

MD
04/05/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

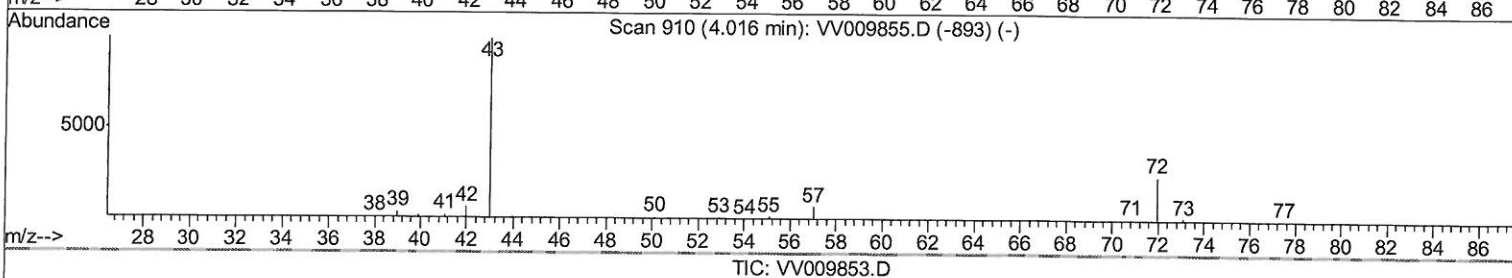
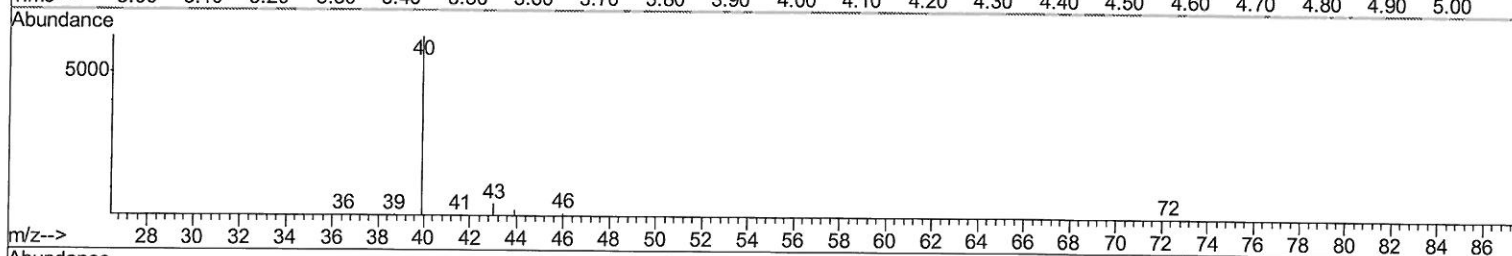
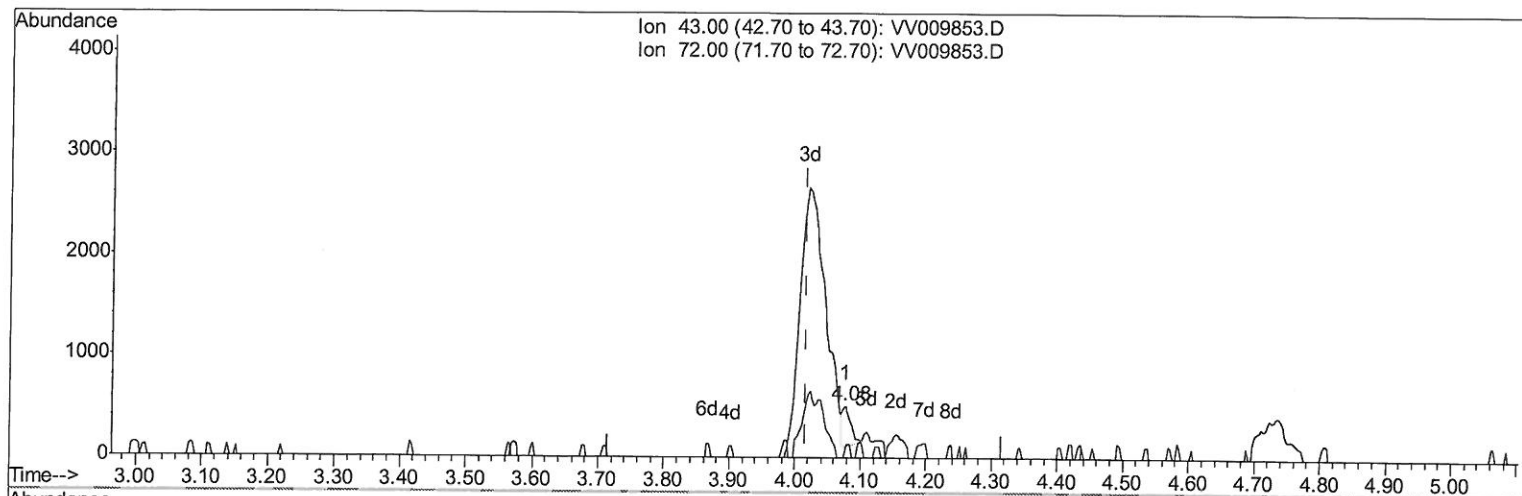
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Manual Integrations
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(22) 2-Butanone (T)

4.077min (+0.061) 0.57ug/L

response 352

Ion	Exp%	Act%
43.00	100	100
72.00	25.20	20.17
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

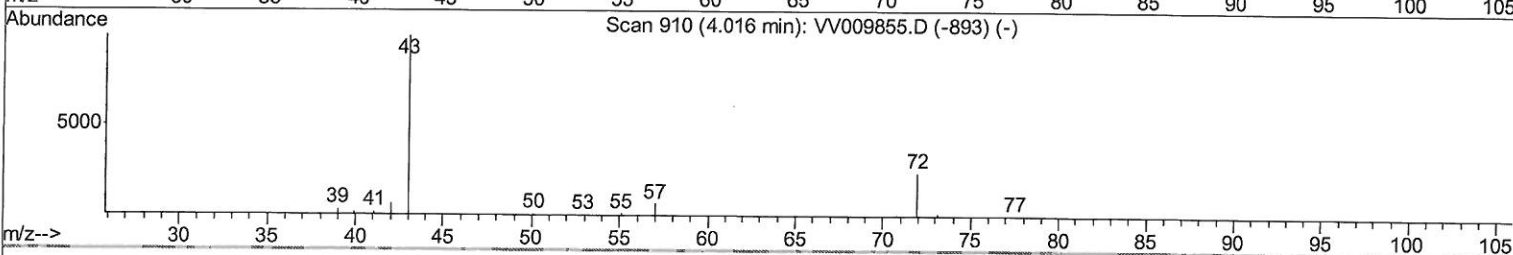
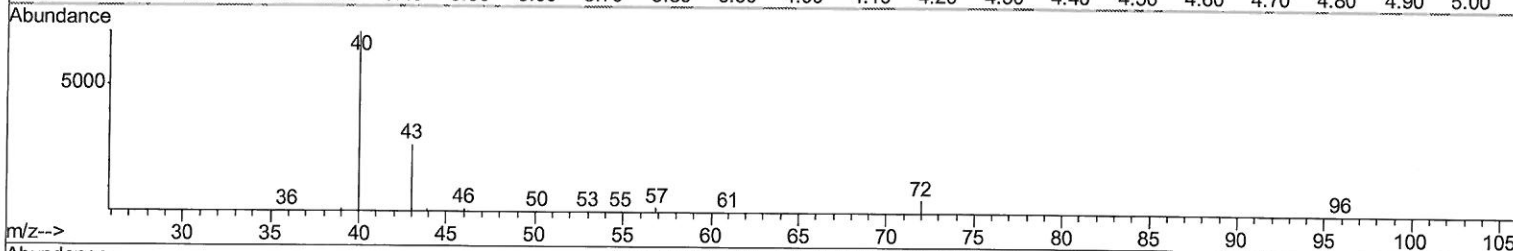
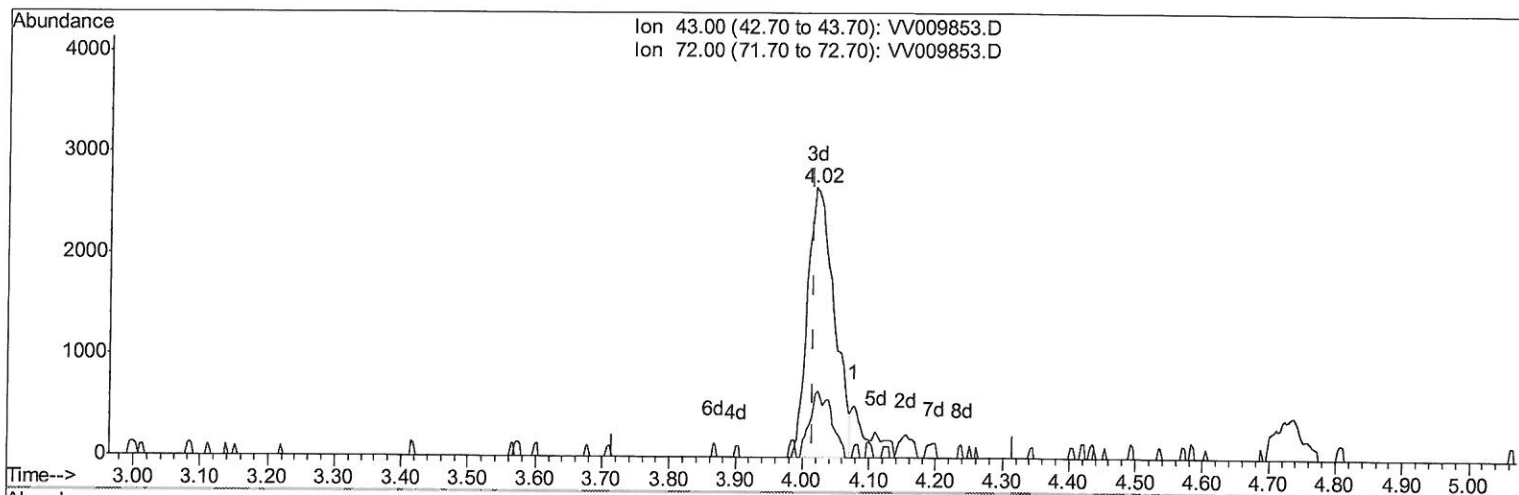
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Acq On : 25 Mar 2019 11:23
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Response via : Initial Calibration



TIC: VV009853.D

(22) 2-Butanone (T)

4.019min (+0.003) 11.98ug/L m

response 7370

Ion	Exp%	Act%
43.00	100	100
72.00	25.20	0.96#
0.00	0.00	0.00
0.00	0.00	0.00

MD
04/05/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

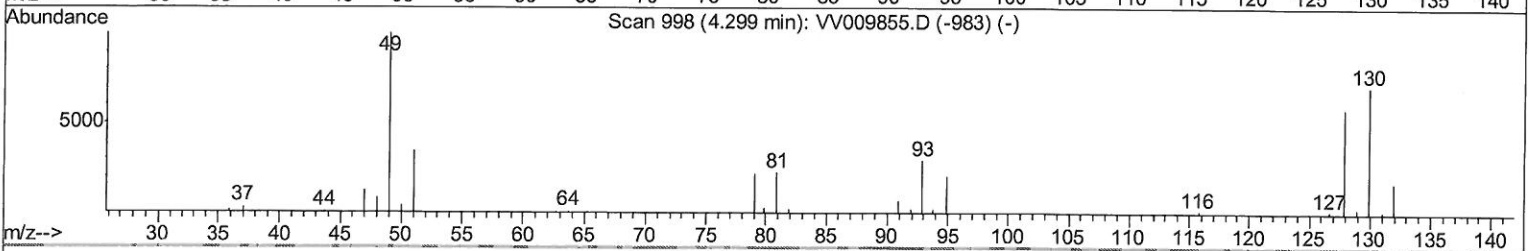
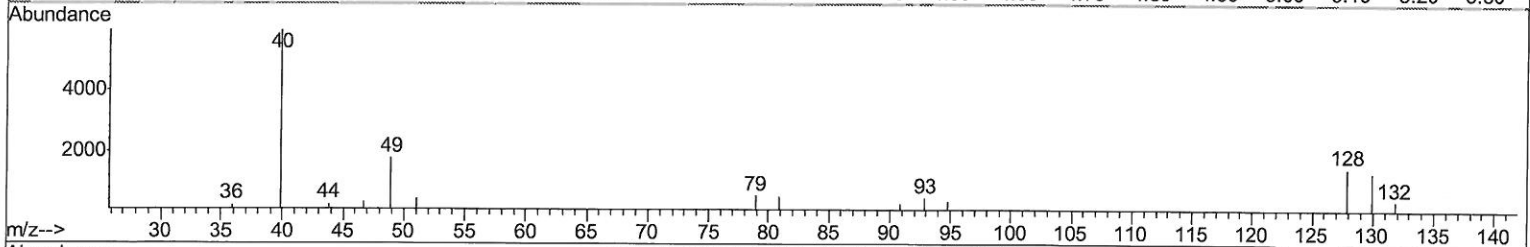
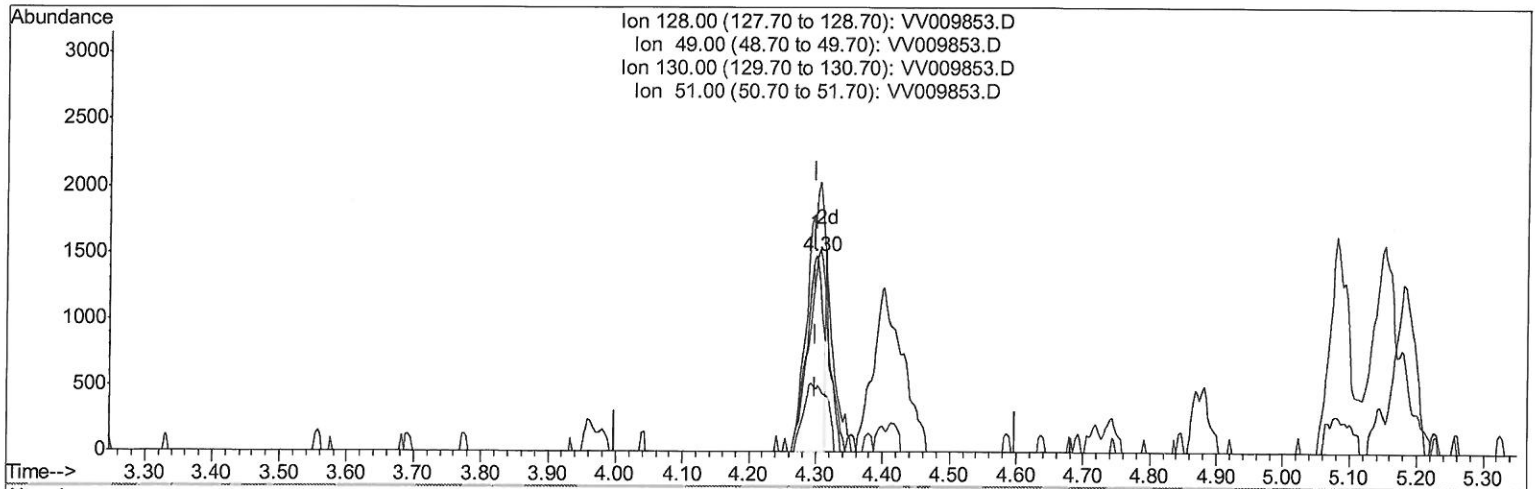
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Manual Integrations
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TIC: VV009853.D

(23) Bromochloromethane (T)

4.299min (-0.000) 5.77ug/L

response 2413

Ion	Exp%	Act%
128.00	100	100
49.00	172.20	121.06
130.00	120.00	90.86
51.00	58.60	31.75#

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

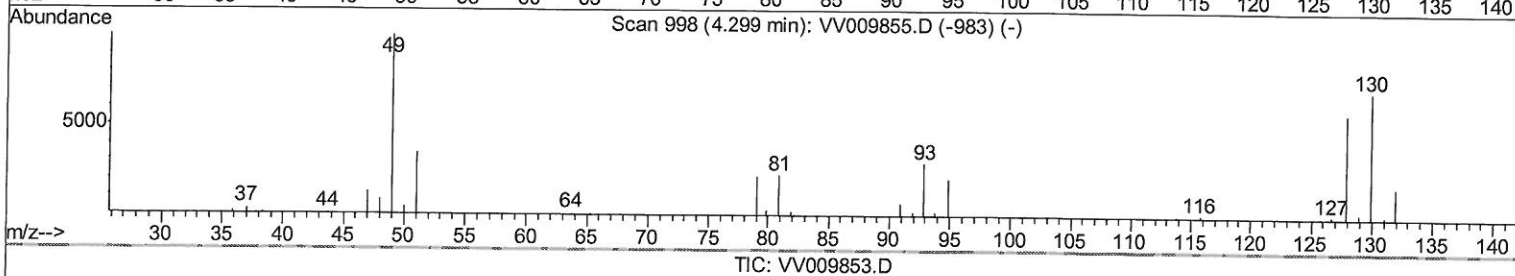
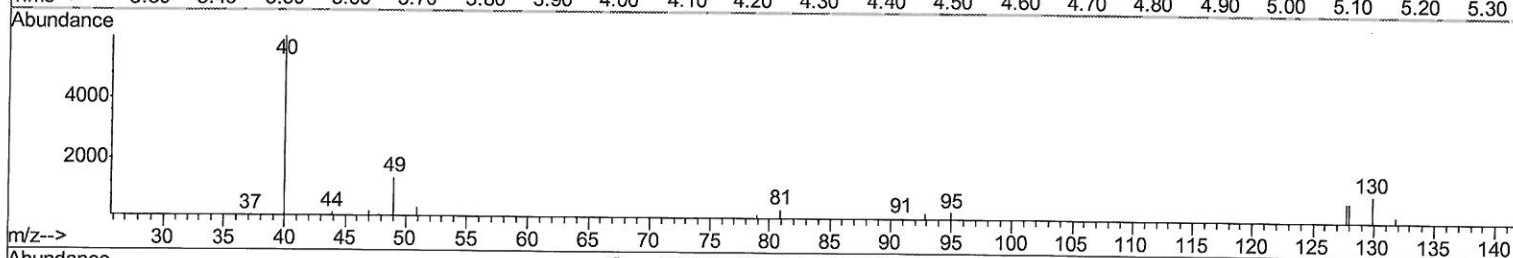
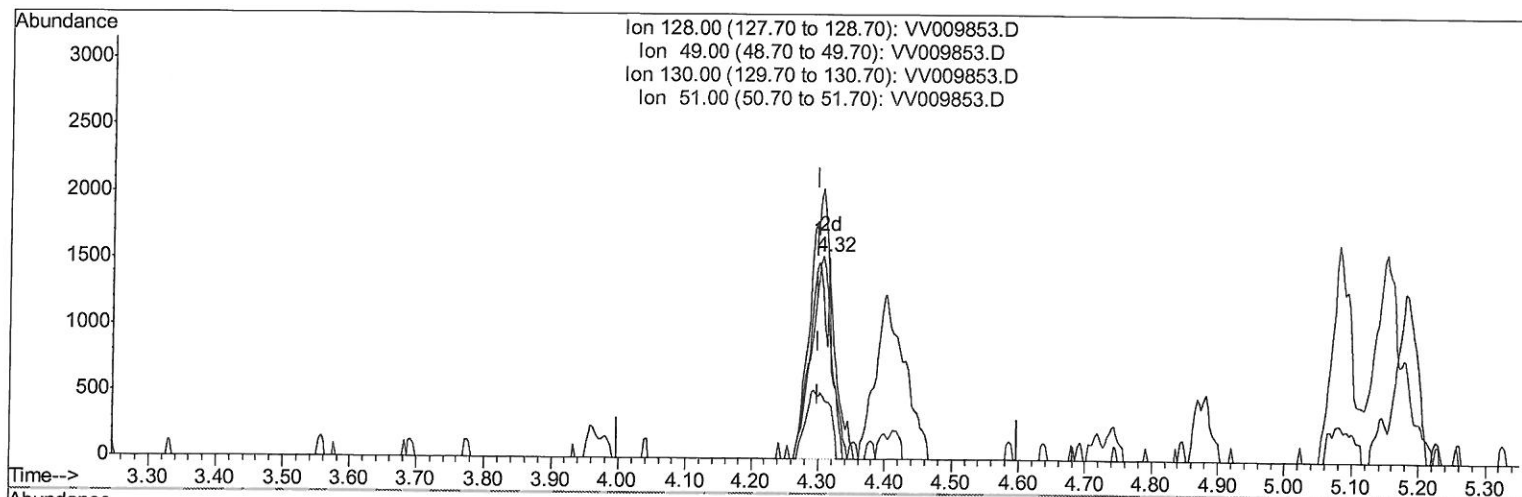
Data File : VV009853.D
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Operator : SY/MD
Sample : VSTD00563
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
VSTD00563

Manual Integrations
APPROVED

MMDadoda
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Quant Title : VOC Analysis
QLast Update : Tue Mar 26 05:58:40 2019
Response via : Initial Calibration



(23) Bromochloromethane (T)

4.315min (+0.016) 7.62ug/L m

response 3184

Ion	Exp%	Act%
128.00	100	100
49.00	172.20	183.05
130.00	120.00	131.67
51.00	58.60	55.72

7 MG
06/05/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

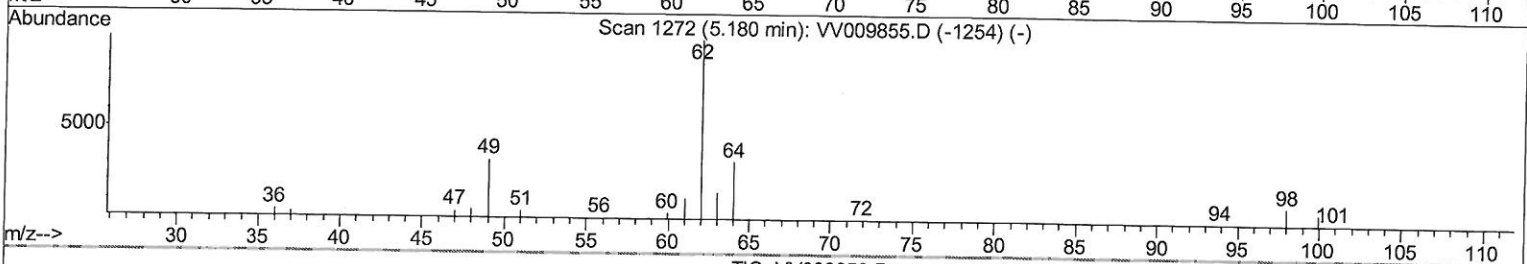
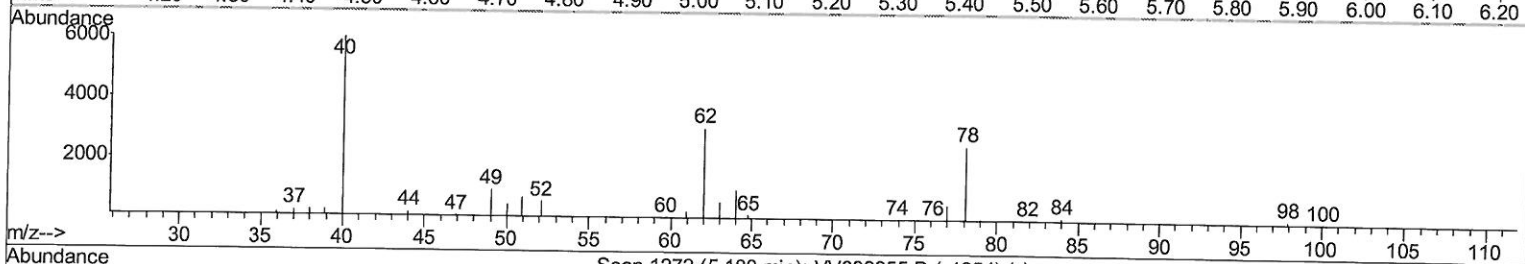
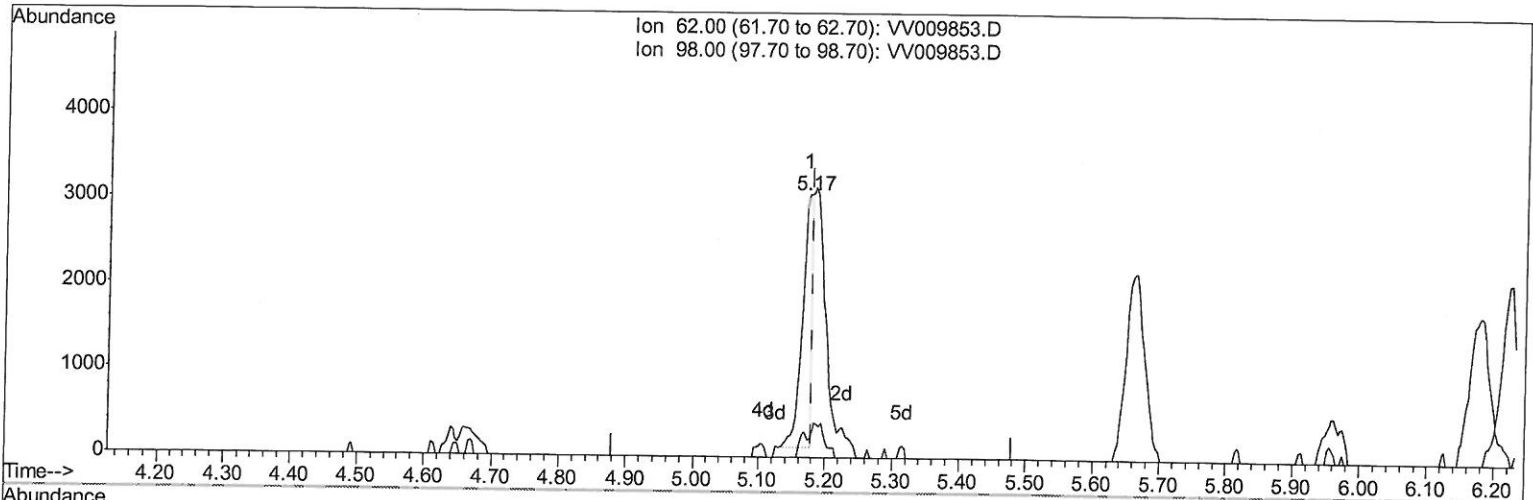
Data File : VV009853.D
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Manual Integrations
APPROVED

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TIC: VV009853.D

(27) 1,2-Dichloroethane (T)

5.174min (-0.006) 3.08ug/L

response 2963

Ion	Exp%	Act%
62.00	100	100
98.00	9.30	6.49#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

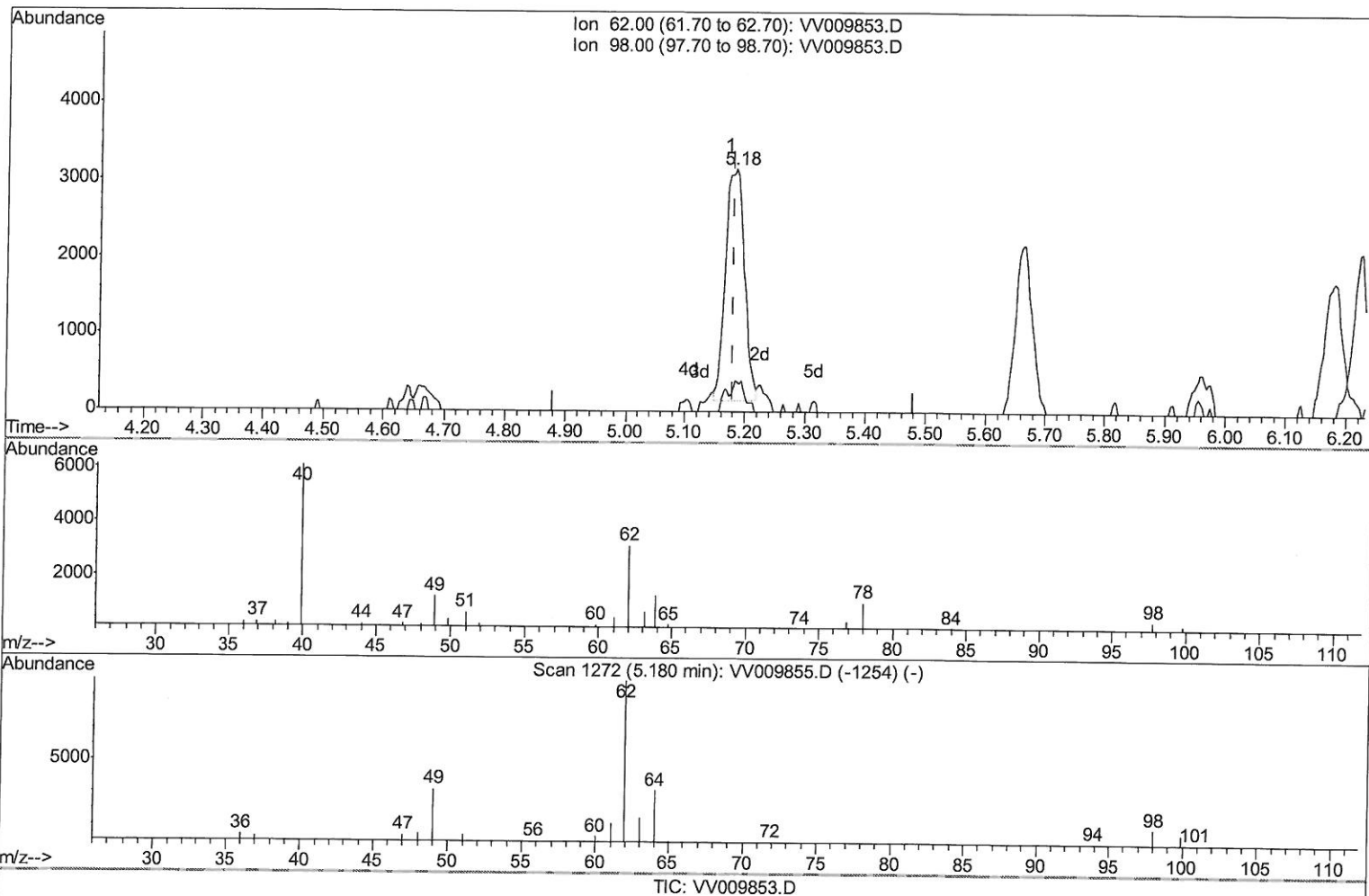
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Mar 26 06:01:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
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Response via : Initial Calibration



(27) 1,2-Dichloroethane (T)

5.183min (+0.003) 6.86ug/L m

response 6599

Ion	Exp%	Act%
62.00	100	100
98.00	9.30	12.58#
0.00	0.00	0.00
0.00	0.00	0.00

7 MFC
06/05/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

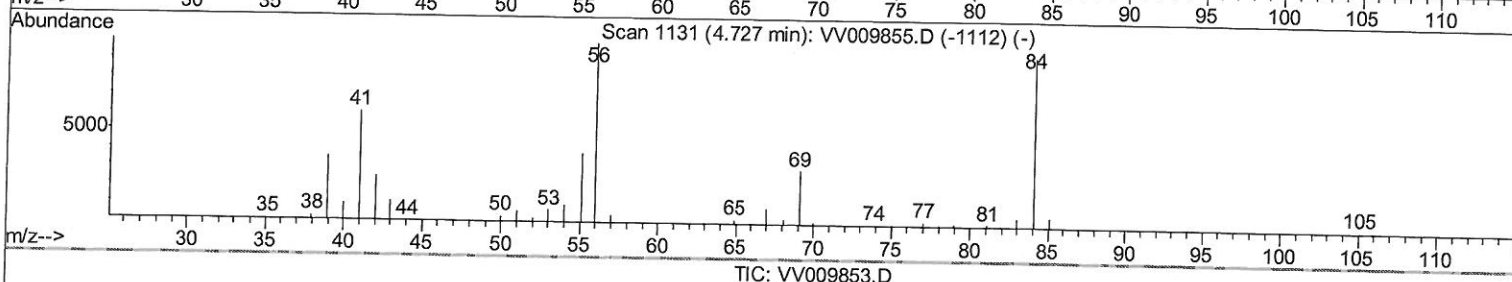
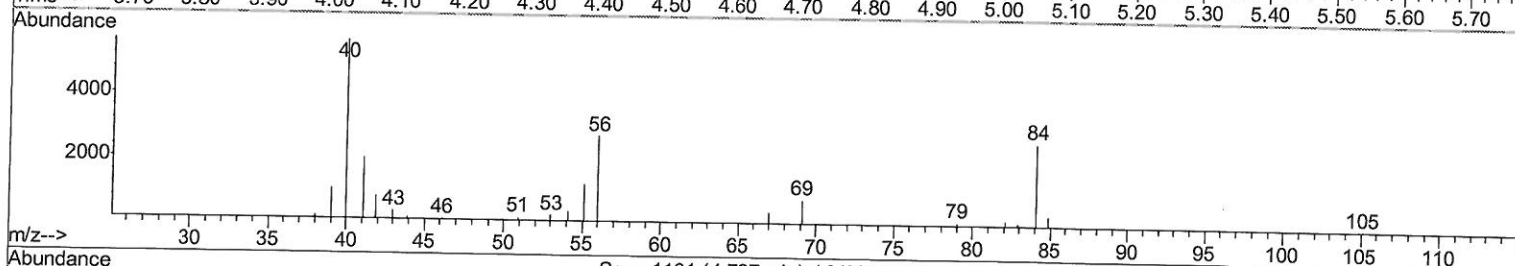
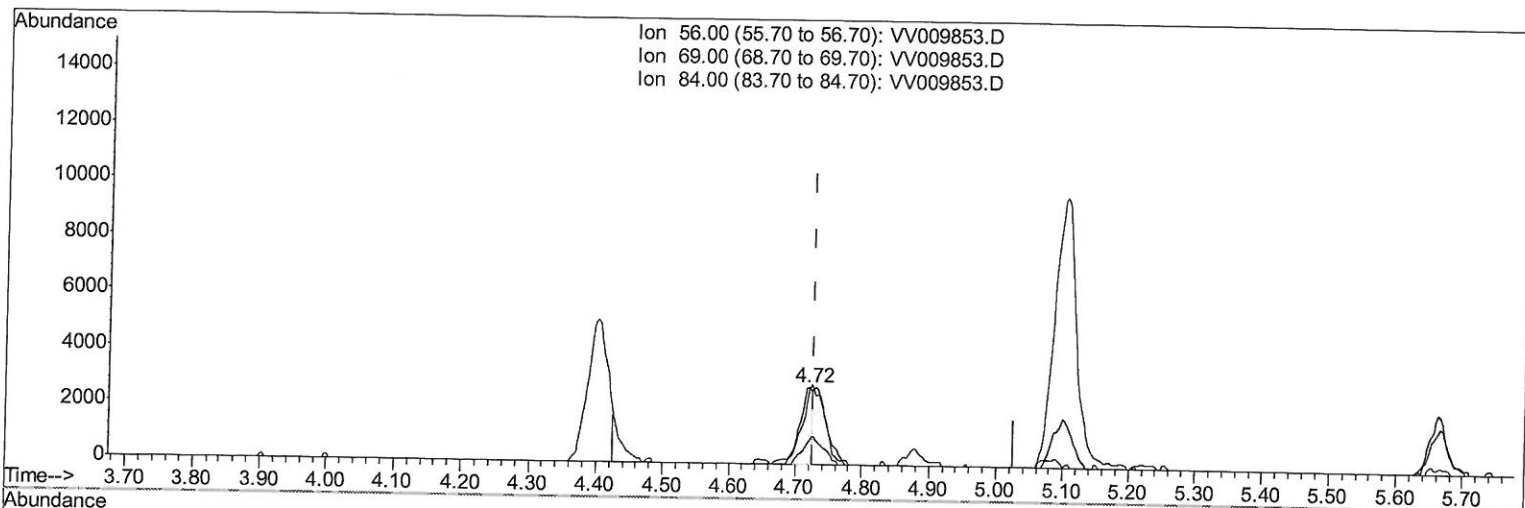
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TIC: VV009853.D

(29) Cyclohexane (T)

4.720min (-0.006) 3.25ug/L

response 3381

Ion	Exp%	Act%
56.00	100	100
69.00	29.20	63.35#
84.00	93.80	120.35#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
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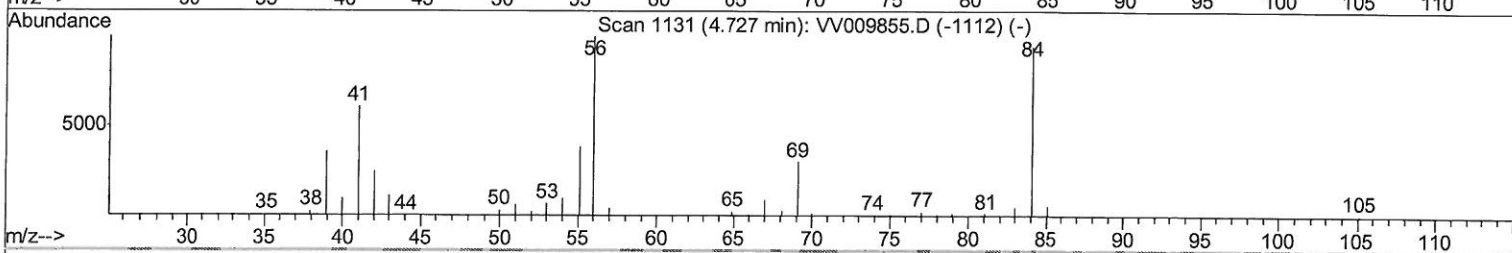
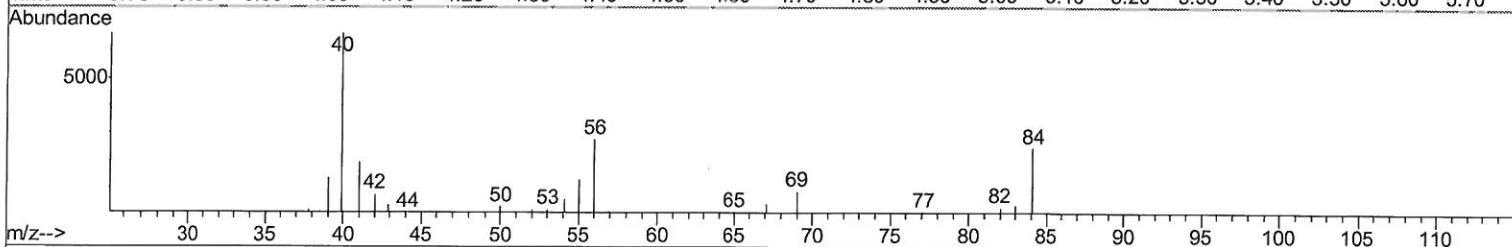
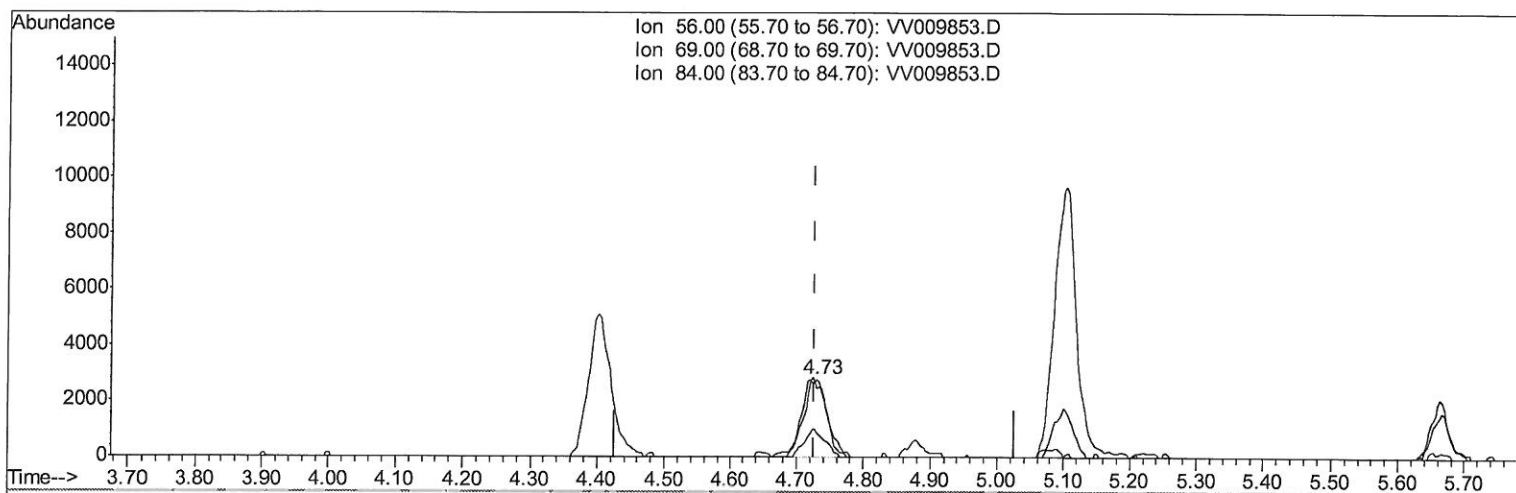
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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Response via : Initial Calibration



TIC: VV009853.D

(29) Cyclohexane (T)

4.730min (+0.003) 7.01ug/L m

response 7301

Ion	Exp%	Act%
56.00	100	100
69.00	29.20	29.34
84.00	93.80	55.73#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

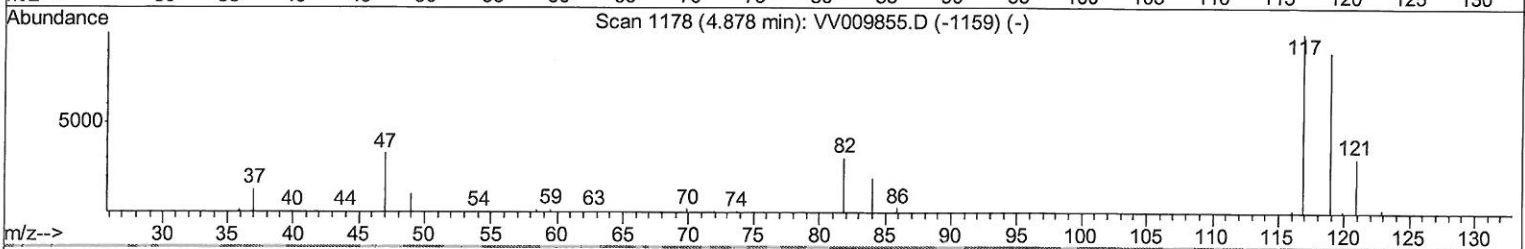
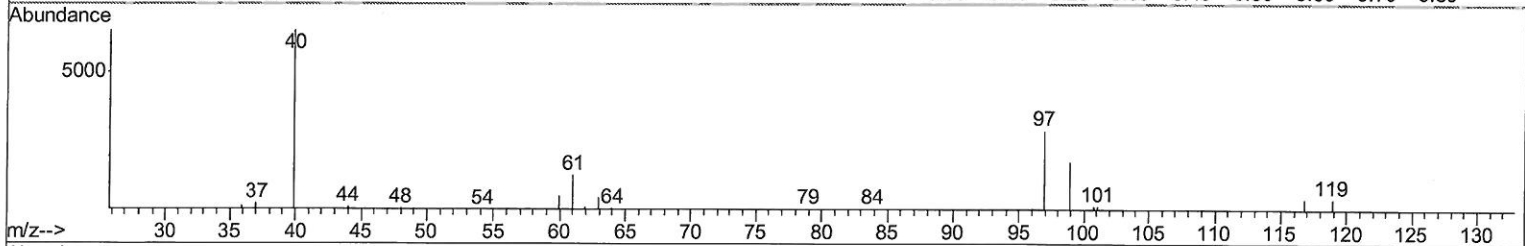
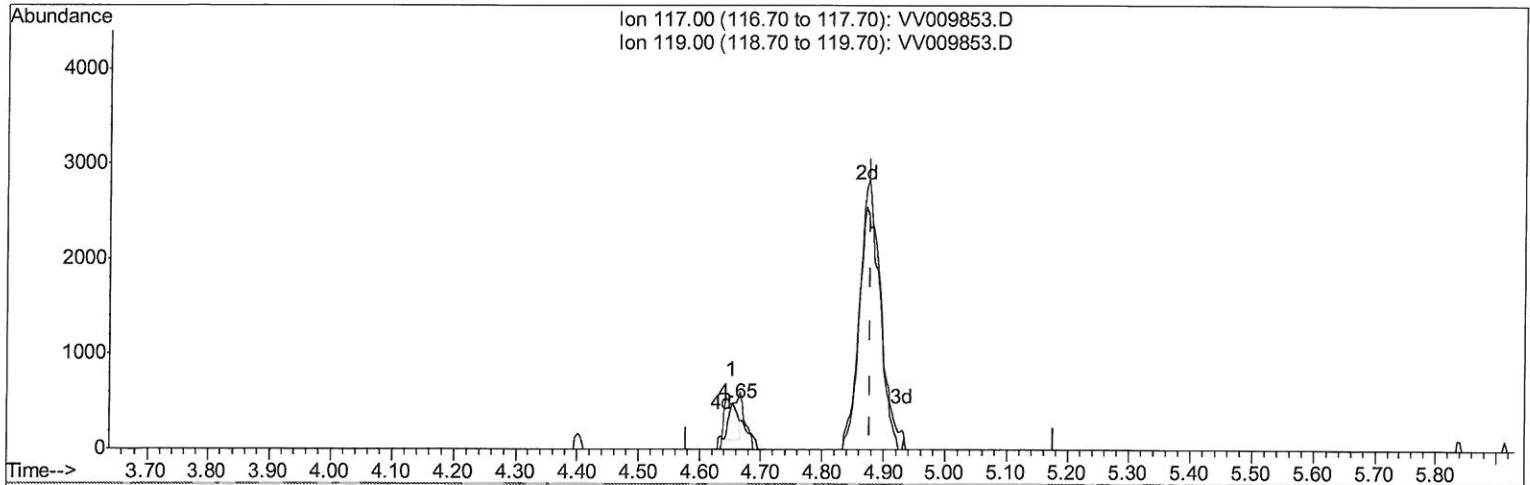
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TIC: VV009853.D

(31) Carbon tetrachloride (T)

4.653min (-0.225) 0.42ug/L

response 383

Ion	Exp%	Act%
117.00	100	100
119.00	94.20	110.70
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

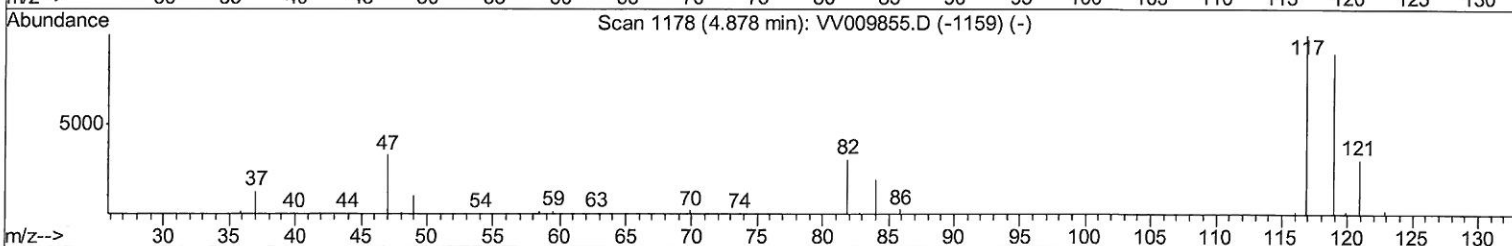
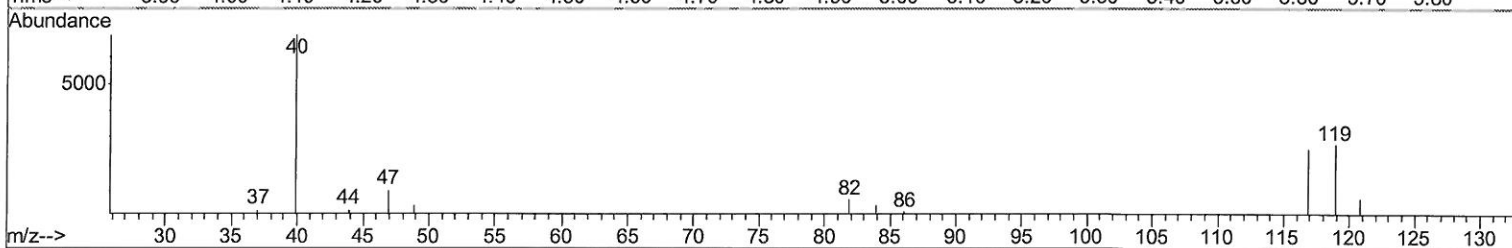
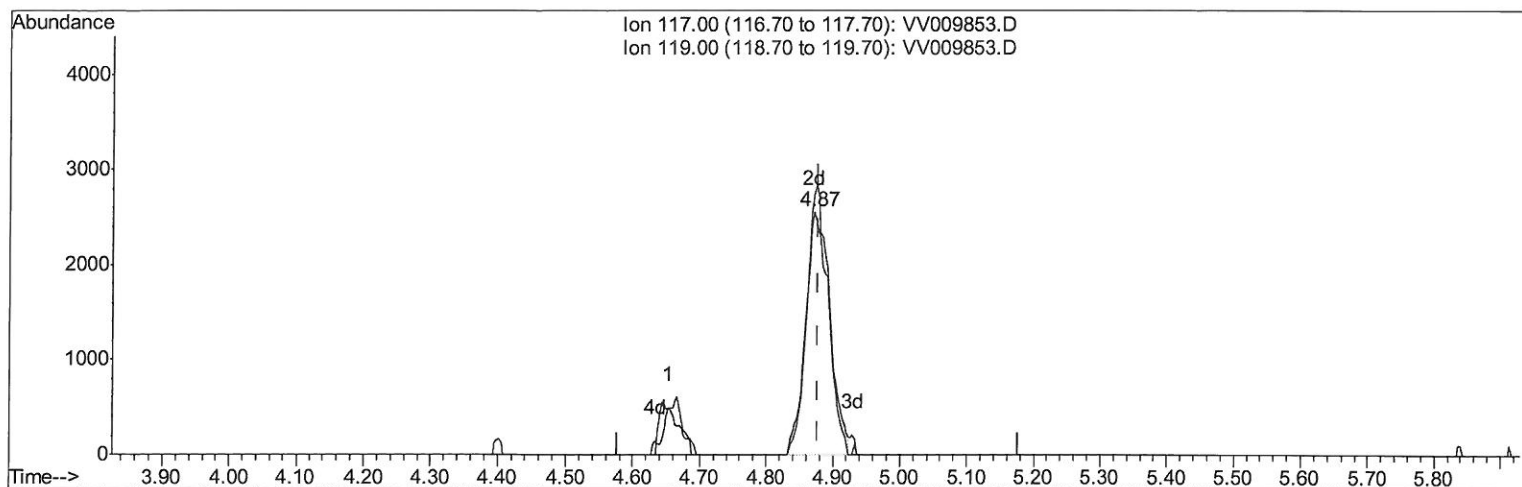
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TIC: VV009853.D

(31) Carbon tetrachloride (T)

4.872min (-0.006) 7.03ug/L m

response 6481

Ion	Exp%	Act%
117.00	100	100
119.00	94.20	6.54#
0.00	0.00	0.00
0.00	0.00	0.00

7ME
04/05/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (Qedit)

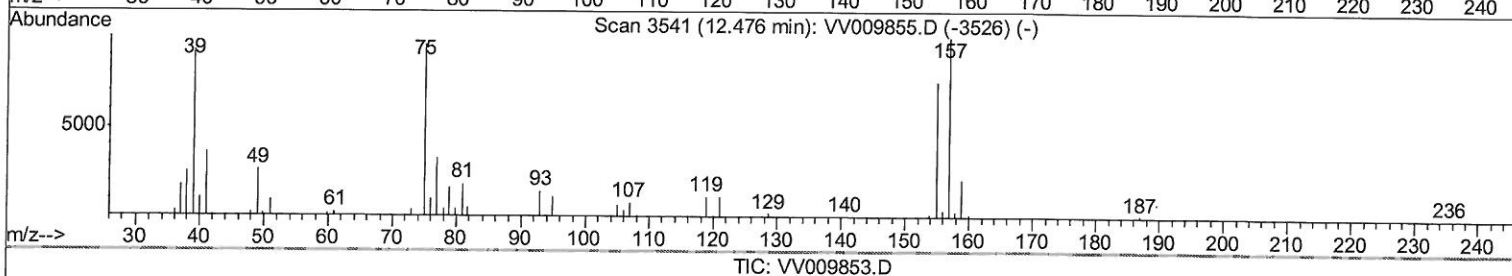
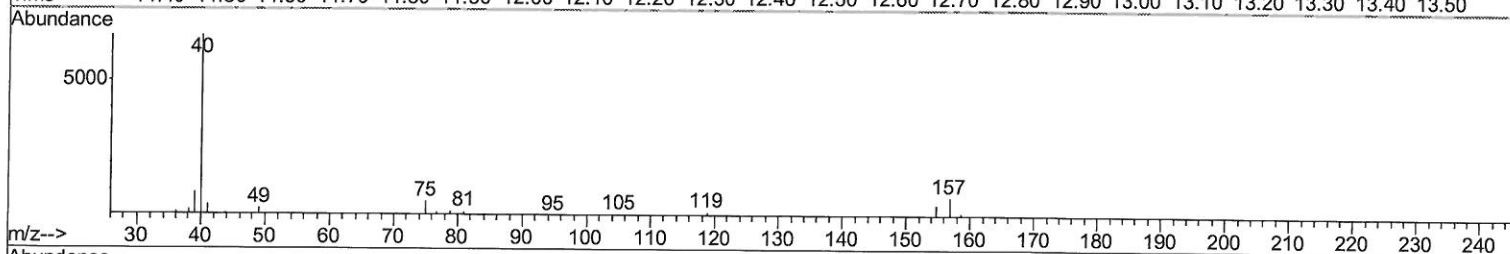
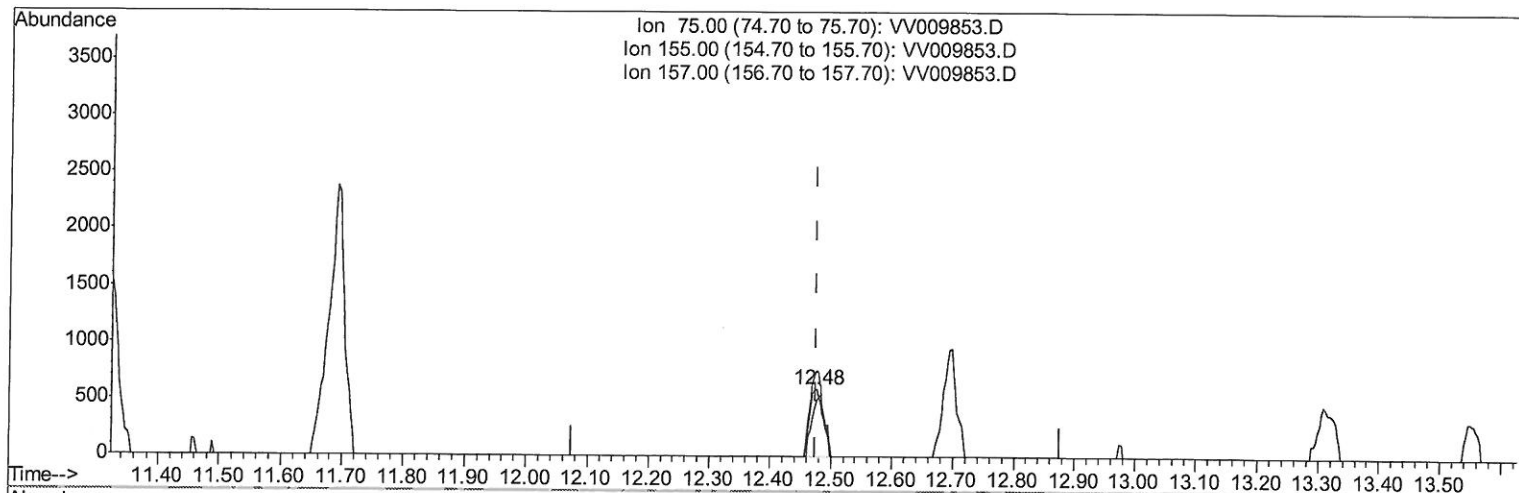
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(66) 1,2-Dibromo-3-chloropropane (T)

12.476min (-0.000) 4.23ug/L m

response 910

Ion	Exp%	Act%
75.00	100	100
155.00	78.50	83.59
157.00	104.30	129.10#
0.00	0.00	0.00

7MD
06/05/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (QT Reviewed)

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Instrument :
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Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	102715	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	96573	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41101	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10085	13.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	10685	15.21	ug/L	0.03
11) 1,1-Dichloroethene-d2	2.13	63	24513	15.05	ug/L	0.00
21) 2-Butanone-d5	3.93	46	6465	12.84	ug/L	0.00
24) Chloroform-d	4.40	84	12017	9.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7201	9.31	ug/L	0.00
32) Benzene-d6	5.10	84	22390	8.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7157	9.02	ug/L	0.00
41) Toluene-d8	7.36	98	19939	8.24	ug/L	0.00
43) trans-1,3-Dichloropropene	7.67	79	2535	6.69	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	3911	9.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane	10.26	84	9559	7.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	7267	8.62	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	6141	7.069	ug/L	99
3) Chloromethane	1.26	50	7203	8.392	ug/L	96
5) Vinyl chloride	1.33	62	9254	9.543	ug/L	90
6) Bromomethane	1.53	94	8049	13.497	ug/L	98
8) Chloroethane	1.60	64	7506	11.750	ug/L	96
9) Trichlorofluoromethane	1.77	101	20755	14.122	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10833	12.618	ug/L	96
12) 1,1-Dichloroethene	2.14	96	9638	11.768	ug/L	93
13) Acetone	2.19	43	7724	14.746	ug/L	95
14) Carbon disulfide	2.32	76	12483	6.287	ug/L #	93
15) Methyl Acetate	2.46	43	5037	6.630	ug/L	94
16) Methylene chloride	2.54	84	5795	7.460	ug/L	81
17) trans-1,2-Dichloroethene	2.79	96	4689	6.571	ug/L	93
18) Methyl tert-butyl Ether	2.80	73	12783m	6.125	ug/L	
19) 1,1-Dichloroethane	3.23	63	9812	7.783	ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	5769	7.318	ug/L	98
22) 2-Butanone	4.02	43	7370m	11.982	ug/L	
23) Bromochloromethane	4.32	128	3184m	7.620	ug/L	
25) Chloroform	4.43	83	10381	7.859	ug/L	95
27) 1,2-Dichloroethane	5.18	62	6599m	6.861	ug/L	
29) Cyclohexane	4.73	56	7301m	7.010	ug/L	
30) 1,1,1-Trichloroethane	4.66	97	7537	7.213	ug/L #	72
31) Carbon tetrachloride	4.87	117	6481m	7.031	ug/L	
33) Benzene	5.15	78	21095	7.618	ug/L	100
34) Trichloroethene	5.96	95	5415	7.428	ug/L	80
35) Methylcyclohexane	6.18	83	6193	5.422	ug/L #	73
37) 1,2-Dichloropropane	6.22	63	5055	7.149	ug/L #	96
38) Bromodichloromethane	6.56	83	6027	6.635	ug/L #	85
39) cis-1,3-Dichloropropene	7.07	75	6148	5.442	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	11627	11.883	ug/L	96

11/1
04/05/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Quantitation Report (QT Reviewed)

Data File : VV009853.D
Acq On : 25 Mar 2019 11:23
Operator : SY/MD
Sample : VSTD00563
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Manual Integrations
APPROVED

MMDadoda
3/26/2019 11:05:34 AM

Quant Time: Mar 26 06:40:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 05:58:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
42) Toluene	7.43	91	21050	6.927	ug/L	92
44) trans-1,3-Dichloropropene	7.69	75	5398	5.511	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	5249	7.236	ug/L	92
46) Tetrachloroethene	8.02	164	4020	6.663	ug/L	94
48) 2-Hexanone	8.18	43	9229	11.383	ug/L #	94
49) Dibromochloromethane	8.29	129	4287	5.376	ug/L	83
50) 1,2-Dibromoethane	8.39	107	5216	6.550	ug/L #	80
51) Chlorobenzene	8.92	112	13638	6.776	ug/L	96
52) Ethylbenzene	9.05	91	20962	6.325	ug/L	98
53) m,p-Xylene	9.18	106	7053	5.532	ug/L	82
54) o-xylene	9.59	106	7755	6.132	ug/L	89
55) Styrene	9.61	104	10841	5.090	ug/L	87
56) Isopropylbenzene	9.98	105	18892	5.803	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	7609	6.039	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	5898	6.160	ug/L	99
61) Bromoform	9.77	173	2441	4.829	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	9108	6.946	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	9822	7.192	ug/L	91
65) 1,2-Dichlorobenzene	11.69	146	9433	6.996	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	910m	4.230	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	6251	6.222	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	4645	5.340	ug/L #	94
69) Naphthalene	13.56	128	9671	3.576	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	5140	5.667	ug/L #	87

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