

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (QT Reviewed)

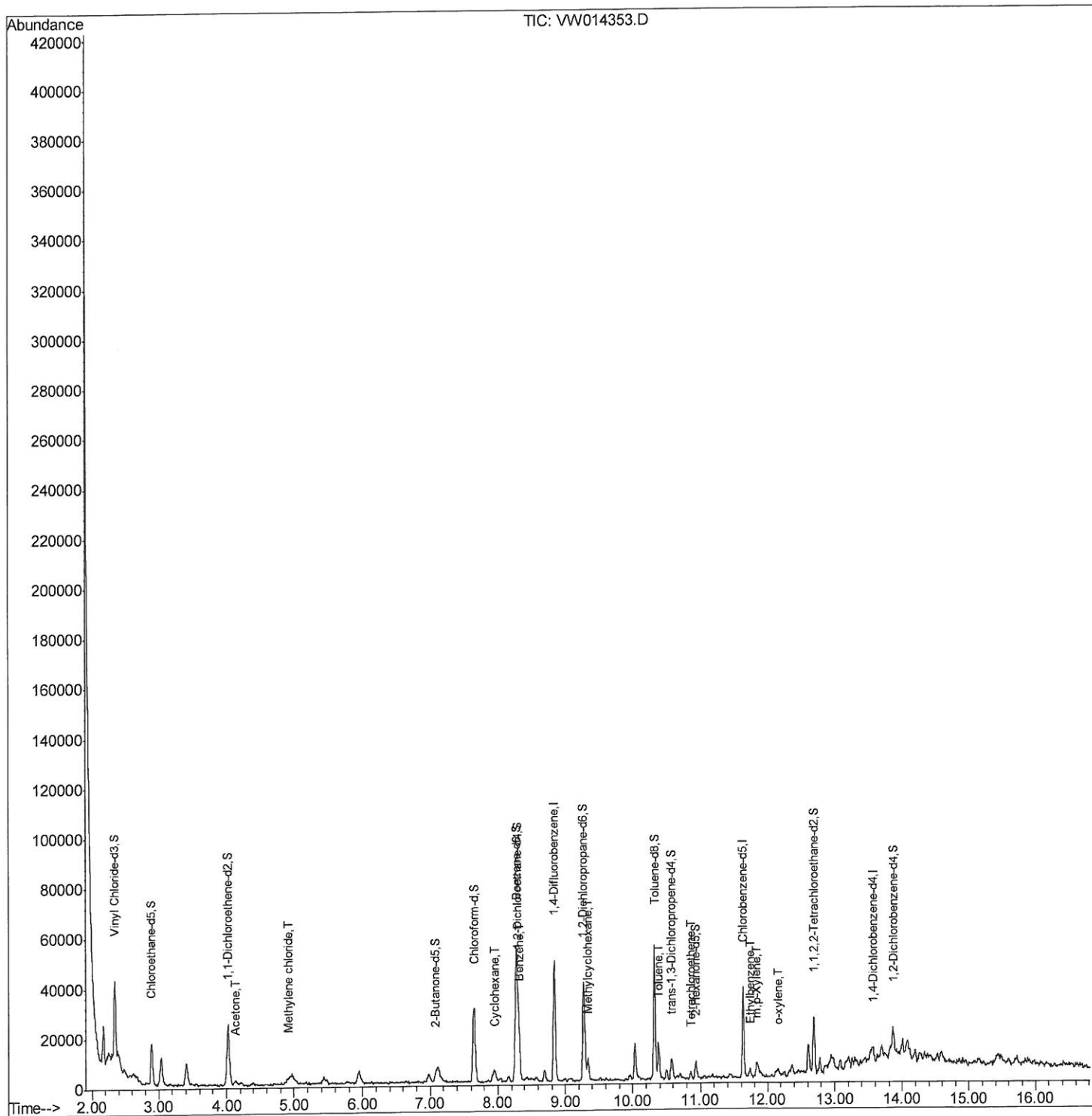
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
ETK82

Manual Integrations
APPROVED

apatel
12/17/2019 3:02:03 PM

Quant Time: Dec 16 15:23:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

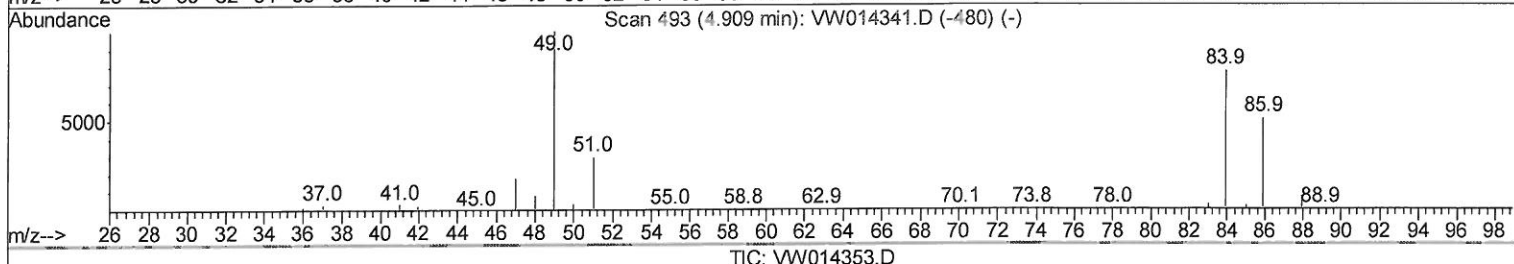
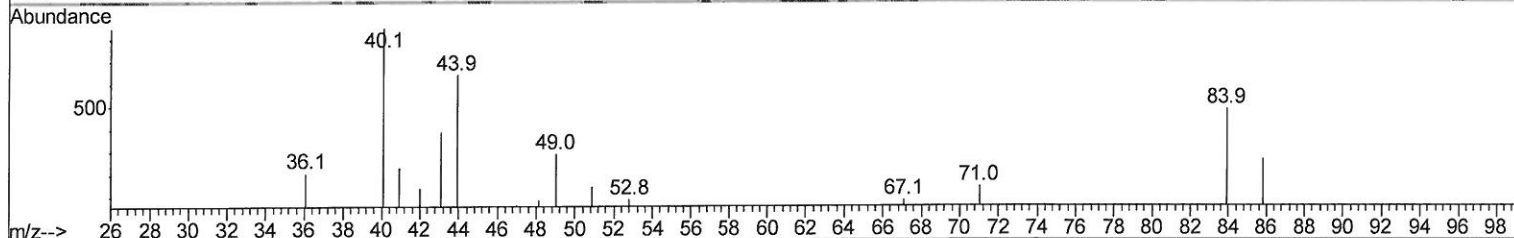
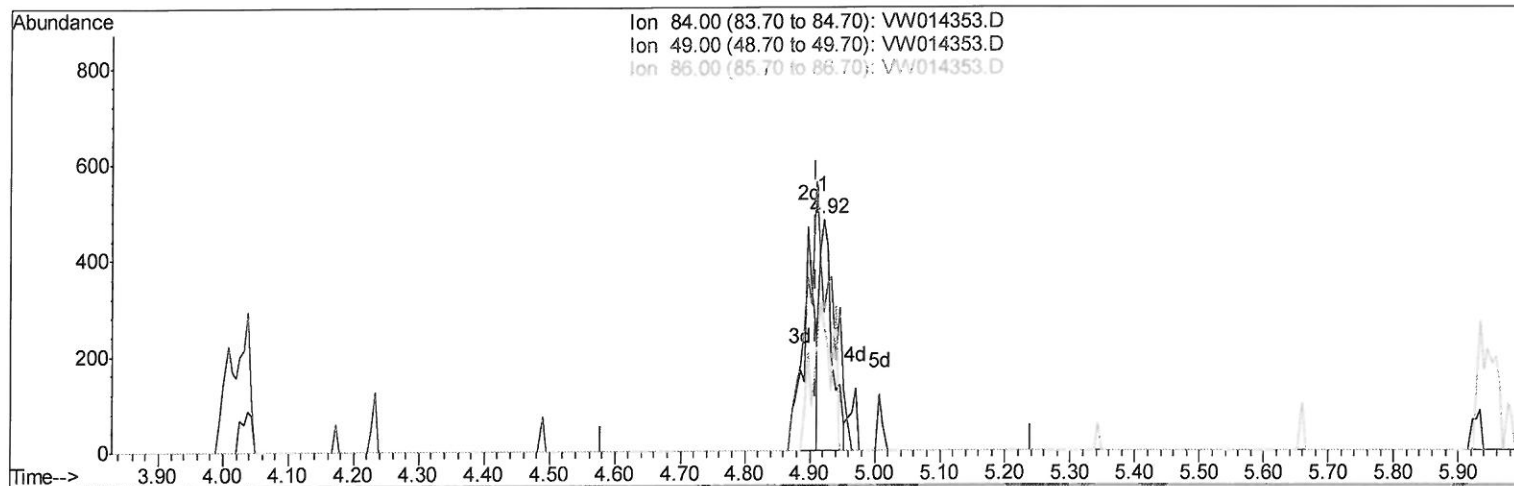
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETK82

Manual Integrations
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Quant Time: Dec 16 15:17:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



(16) Methylene chloride (T)

4.922min (+0.012) 1.11ug/L

response 674

Ion	Exp%	Act%
84.00	100	100
49.00	120.30	71.49#
86.00	62.40	54.13
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

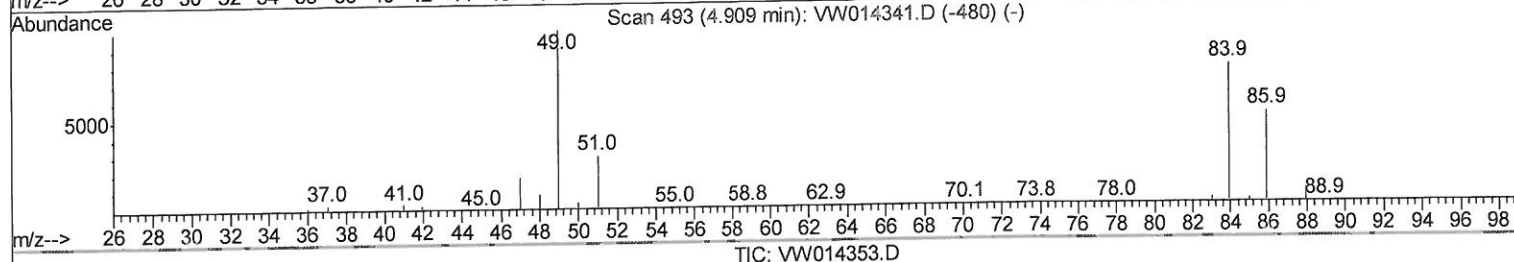
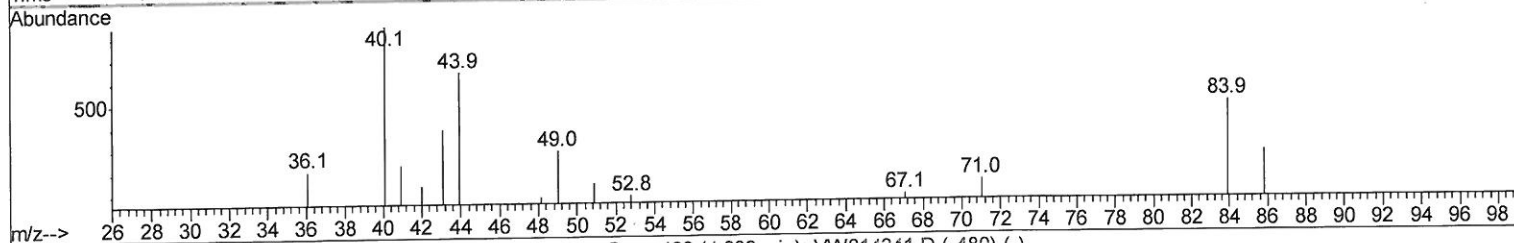
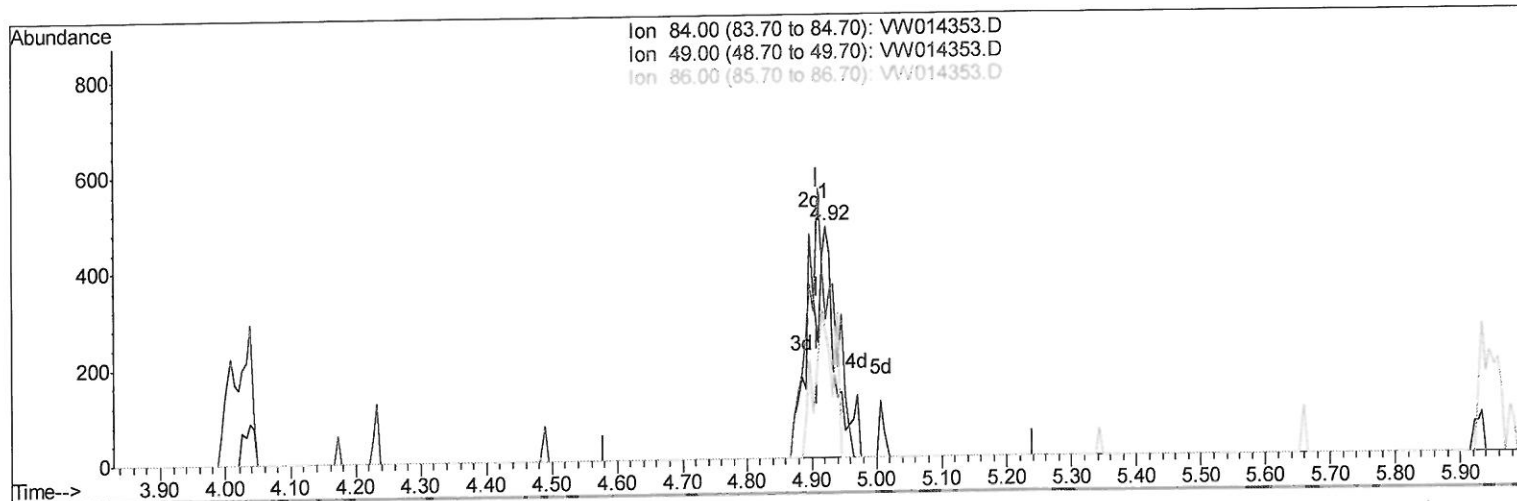
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Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETK82

Manual Integrations
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apatel
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Quant Time: Dec 16 15:17:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



(16) Methylene chloride (T)

4.922min (+0.012) 2.21ug/L m

response 1343

Ion	Exp%	Act%
84.00	100	100
49.00	120.30	59.71#
86.00	62.40	54.13
0.00	0.00	0.00

12/17/19 SY

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

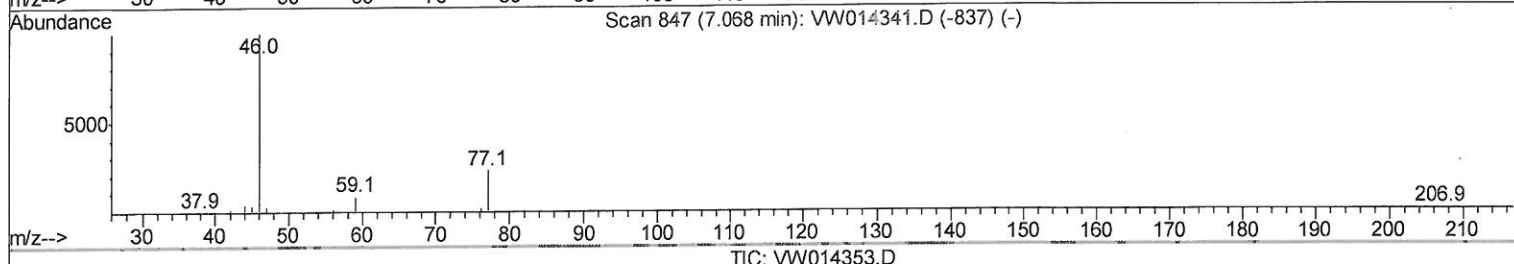
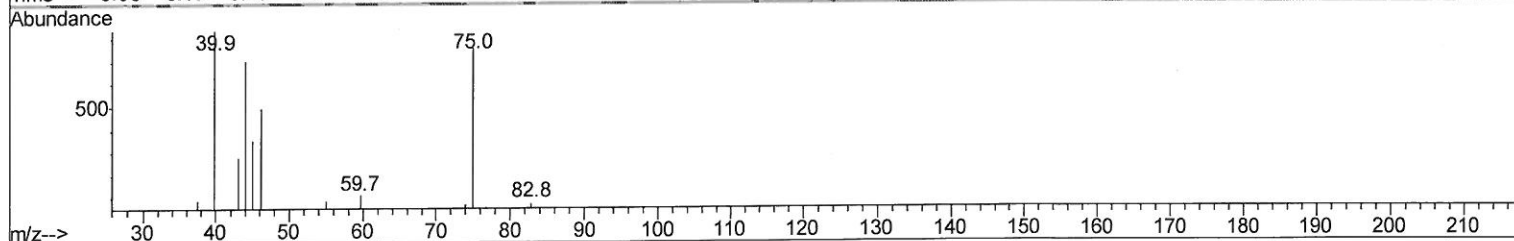
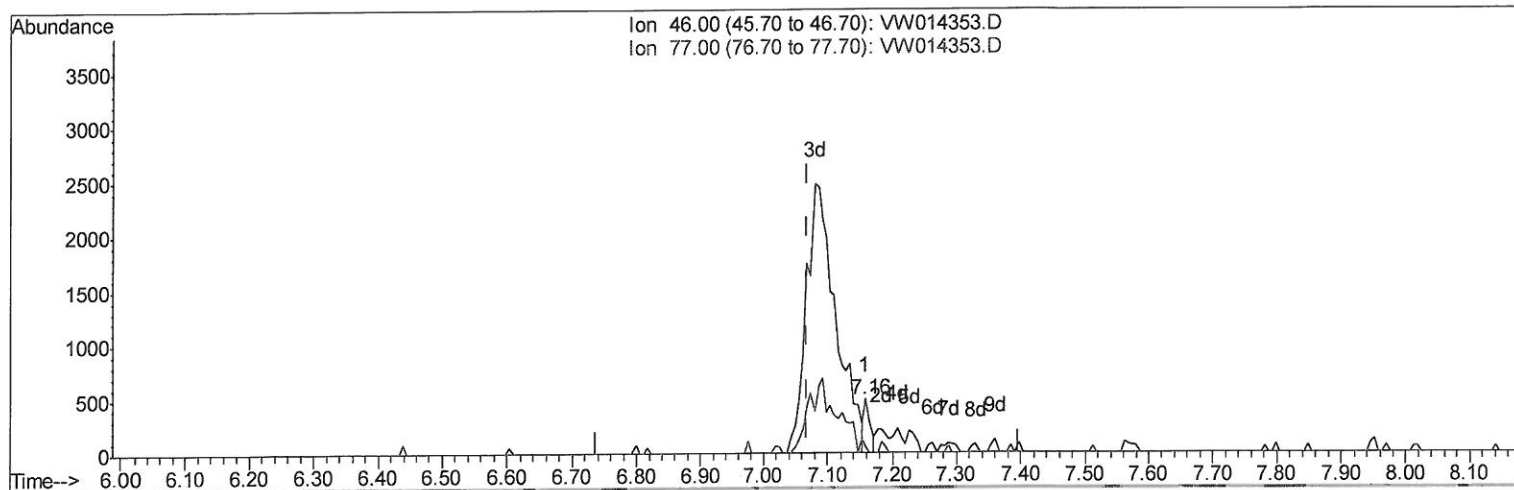
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
ETK82

Manual Integrations
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TIC: VW014353.D

(20) 2-Butanone-d5 (S)

7.159min (+0.091) 2.14ug/L

response 335

Ion	Exp%	Act%
46.00	100	100
77.00	26.00	21.49
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

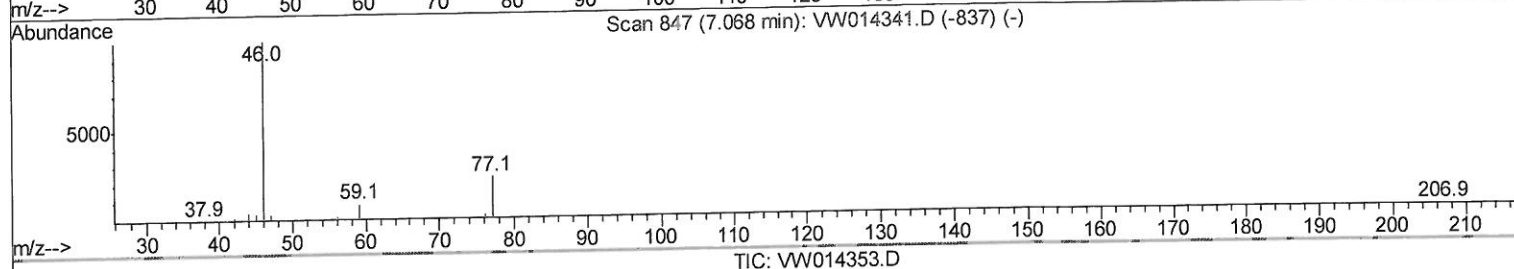
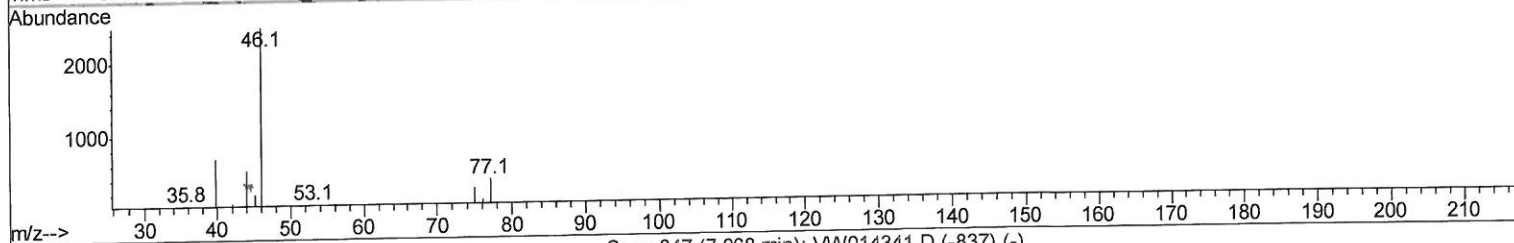
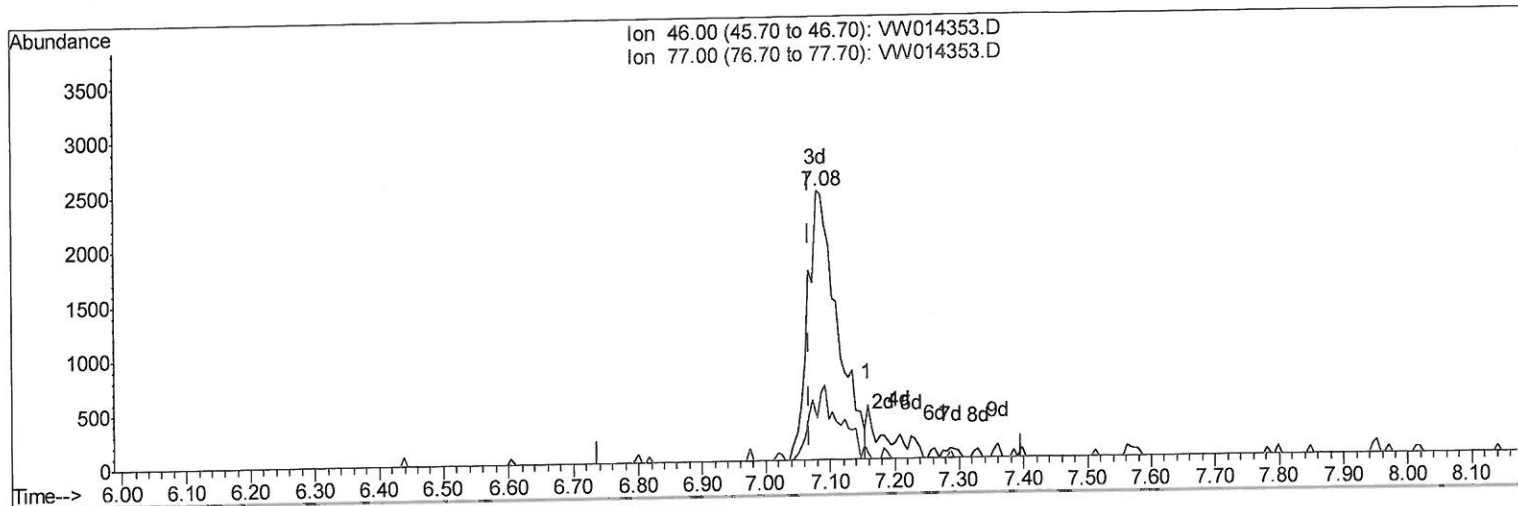
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETK82

Manual Integrations
APPROVED

apatel
12/17/2019 3:02:03 PM

Quant Time: Dec 16 15:17:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
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Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

7.080min (+0.012) 50.40ug/L m-

12/17/19 SZ

response 7901

Ion	Exp%	Act%
46.00	100	100
77.00	26.00	0.91#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

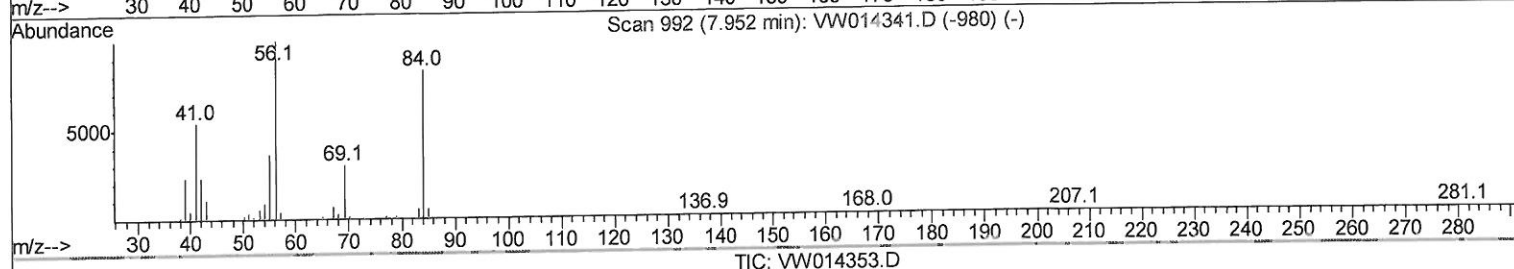
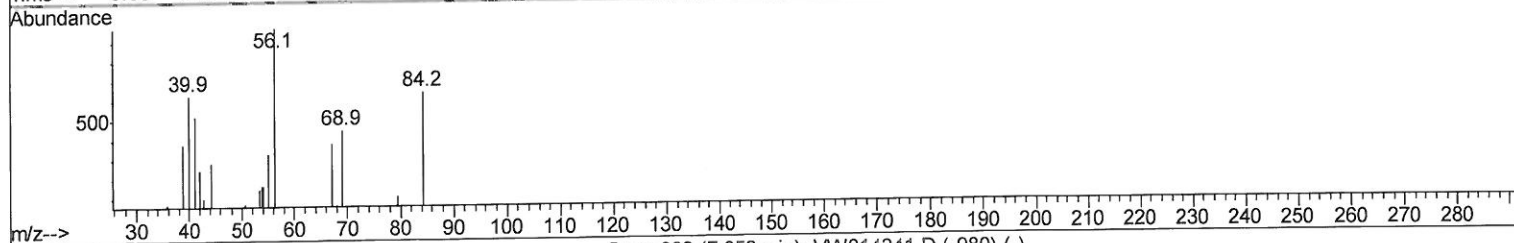
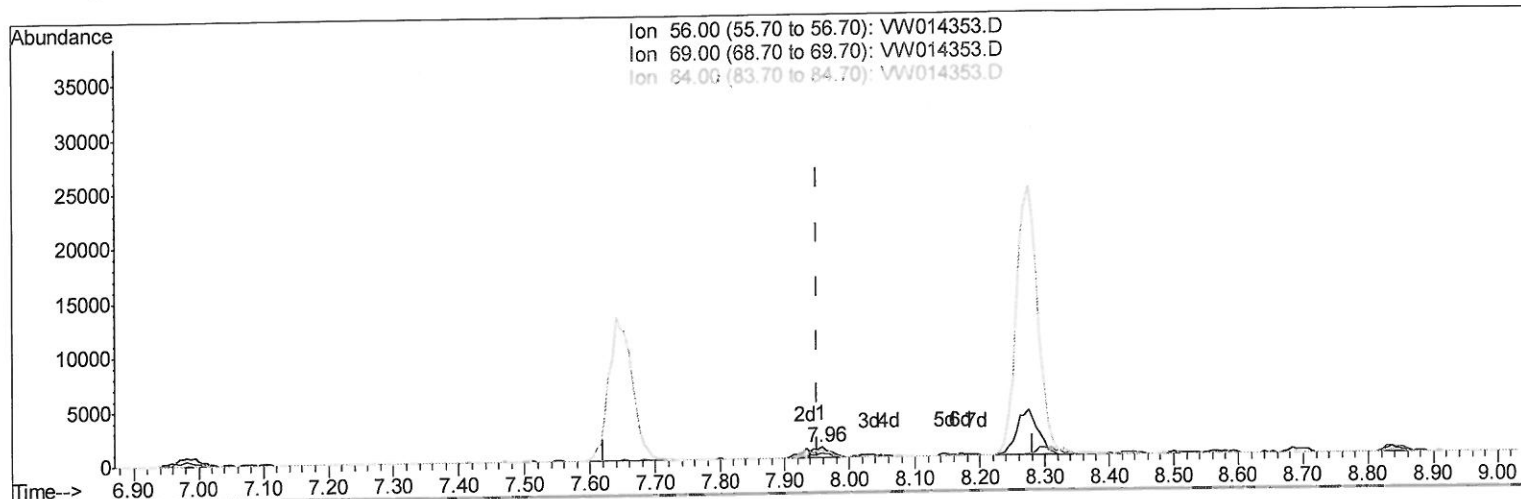
Data File : VW014353.D
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Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
ETK82

Manual Integrations
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(30) Cyclohexane (T)

7.958min (+0.006) 3.22ug/L

response 1703

Ion	Exp%	Act%
56.00	100	100
69.00	30.80	32.30
84.00	87.70	83.03
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

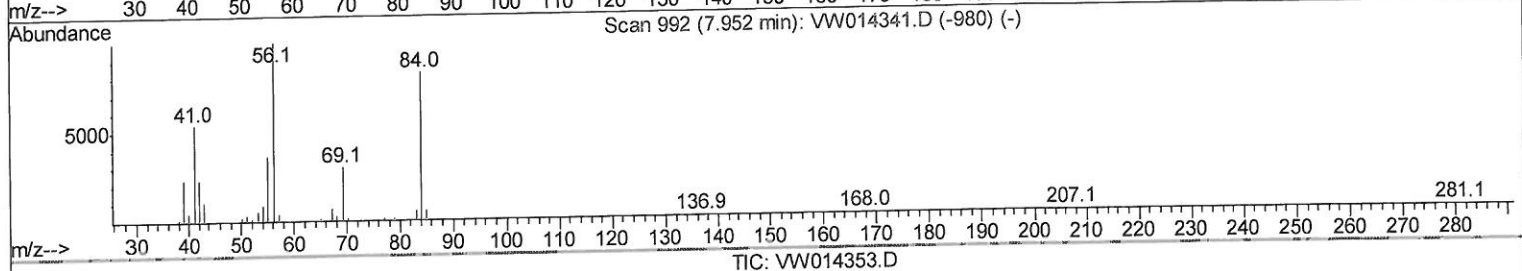
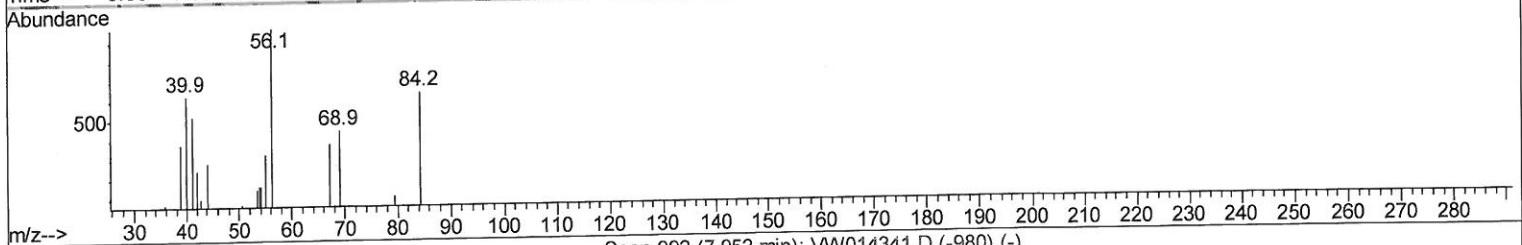
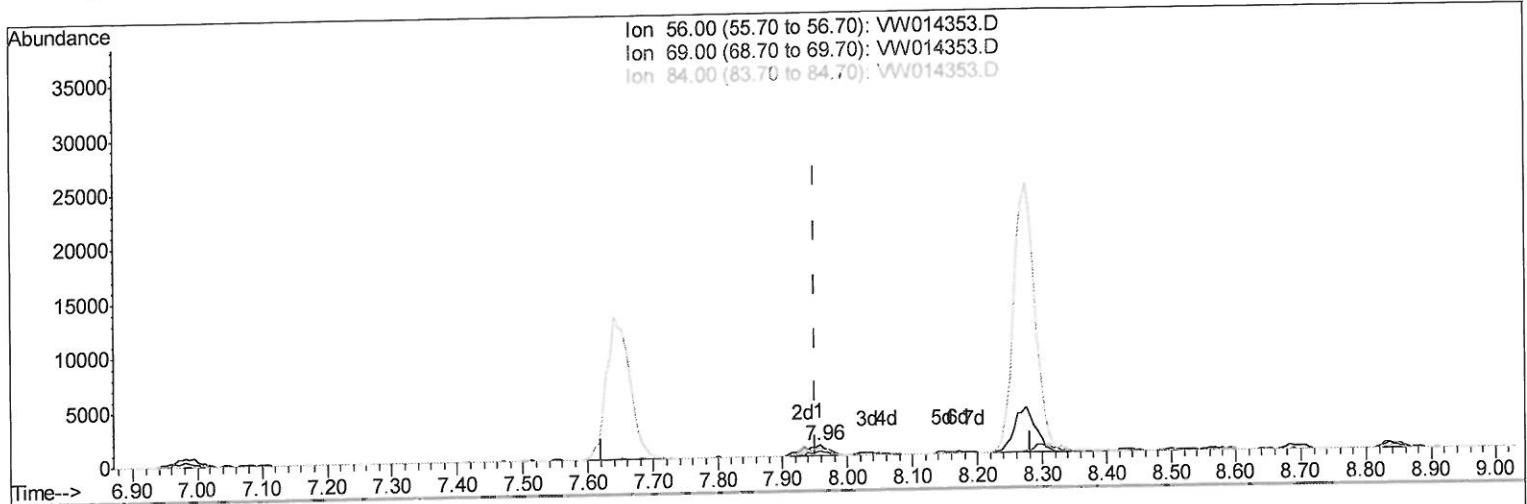
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETK82

Manual Integrations
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apatel
12/17/2019 3:02:03 PM

Quant Time: Dec 16 15:17:24 2019
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Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



(30) Cyclohexane (T)

7.958min (+0.006) 5.08ug/L m

response 2689

Ion	Exp%	Act%
56.00	100	100
69.00	30.80	20.45#
84.00	87.70	52.58#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

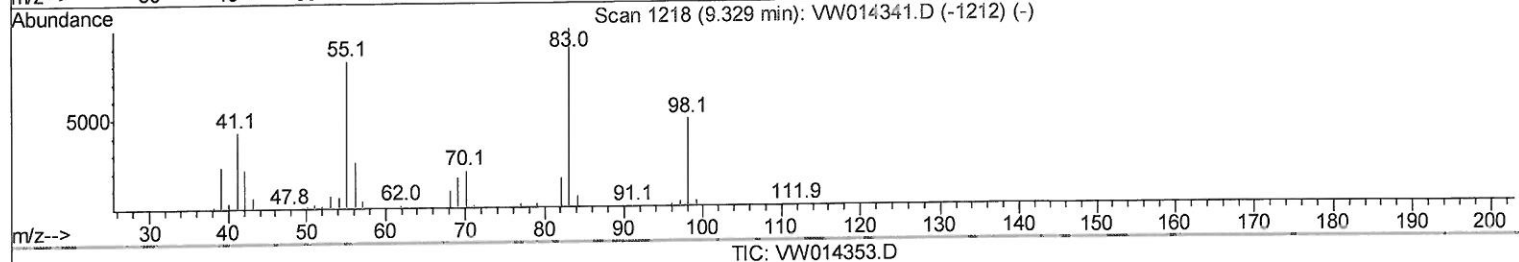
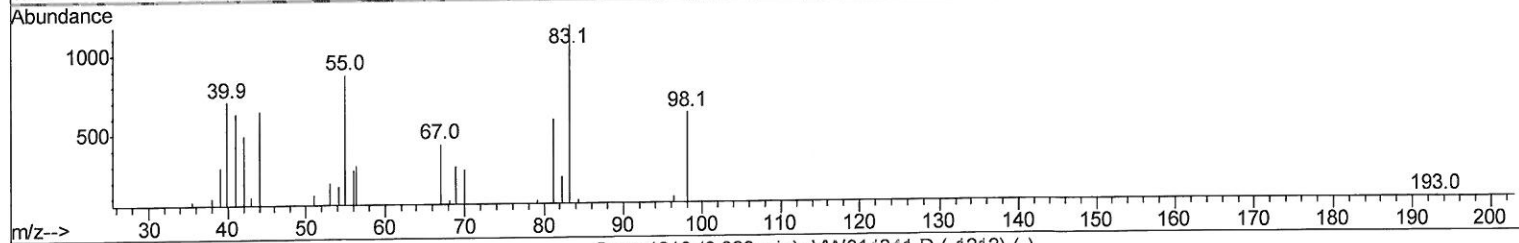
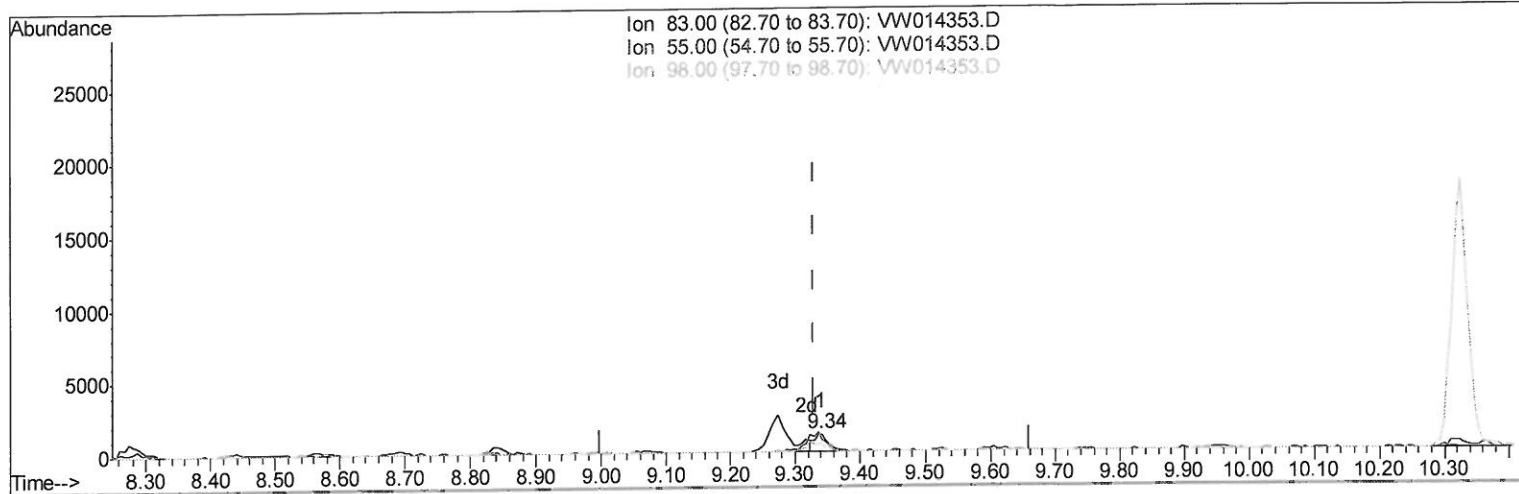
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Instrument :
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ClientSampled :
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(36) Methylcyclohexane (T)

9.341min (+0.012) 3.01ug/L

response 1737

Ion	Exp%	Act%
83.00	100	100
55.00	74.80	151.12#
98.00	49.40	38.28#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

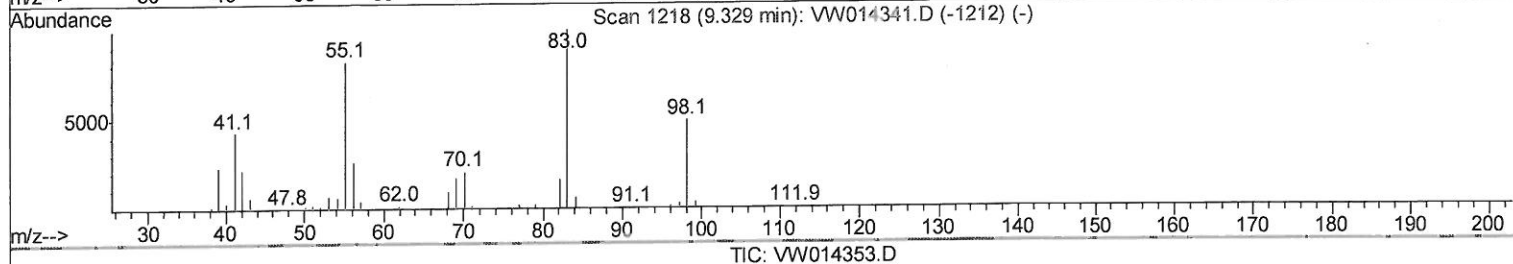
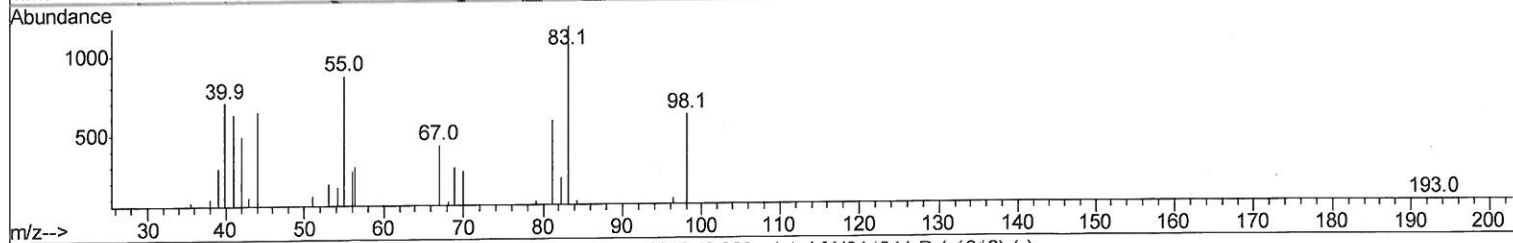
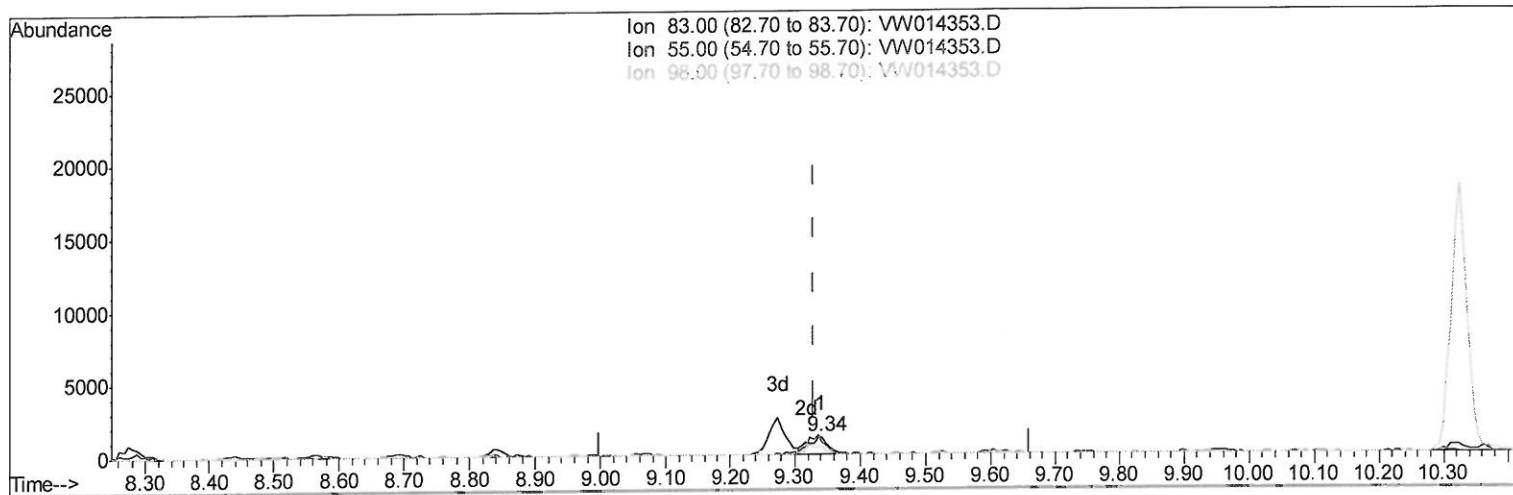
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETK82

Manual Integrations
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apatel
12/17/2019 3:02:03 PM

Quant Time: Dec 16 15:17:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



(36) Methylcyclohexane (T)

9.341min (+0.012) 4.37ug/L m

response 2524

Ion	Exp%	Act%
83.00	100	100
55.00	74.80	104.00#
98.00	49.40	26.35#
0.00	0.00	0.00

12/17/19 SY

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

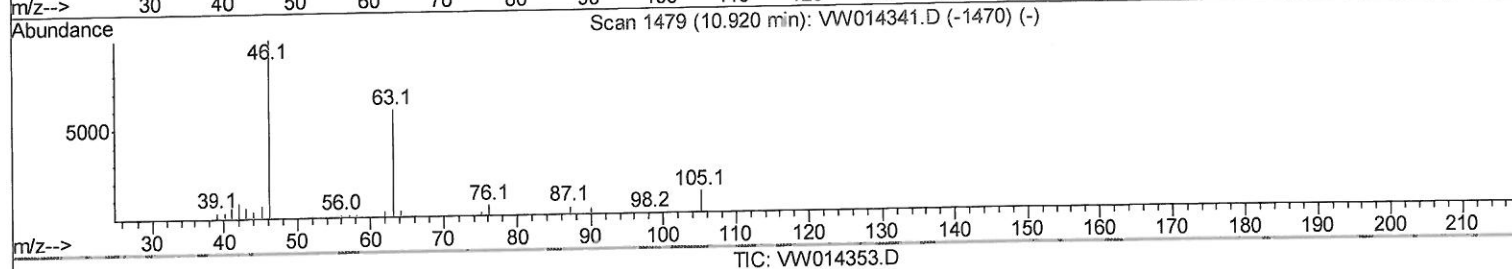
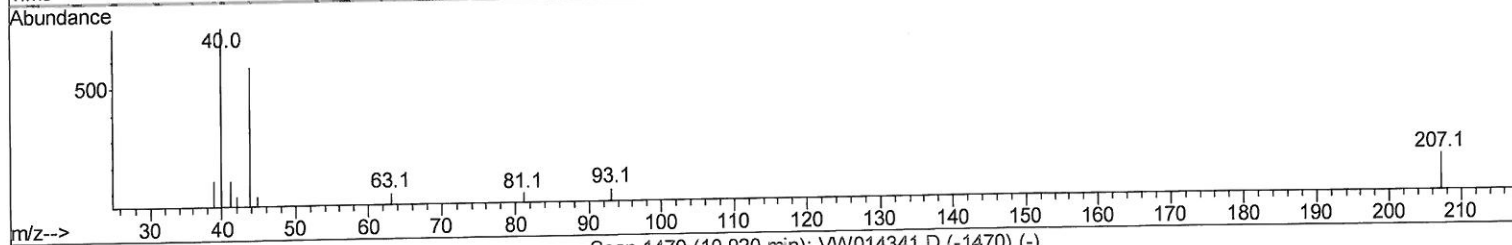
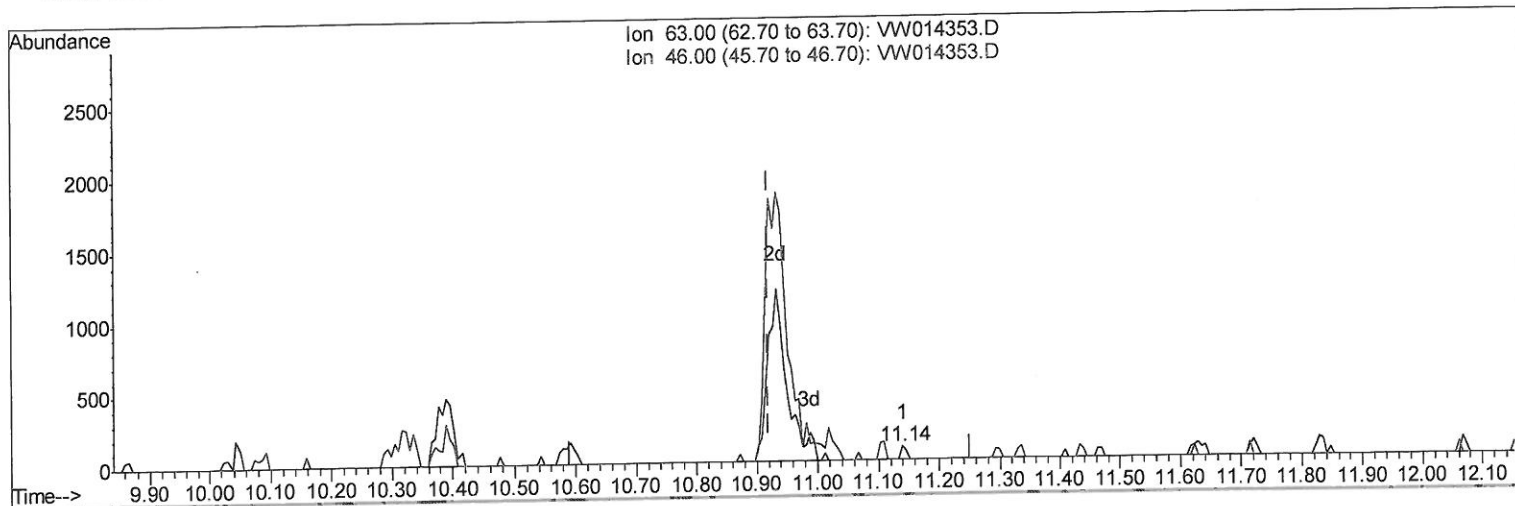
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Sample : K6270-04
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
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Response via : Initial Calibration



(39) 2-Hexanone-d5 (S)

11.140min (+0.219) 0.72ug/L

response 55

Ion	Exp%	Act%
63.00	100	100
46.00	164.30	163.64
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

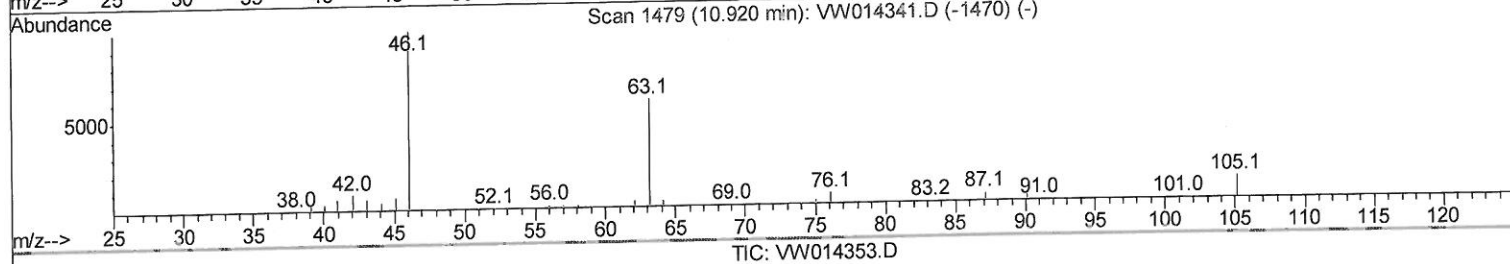
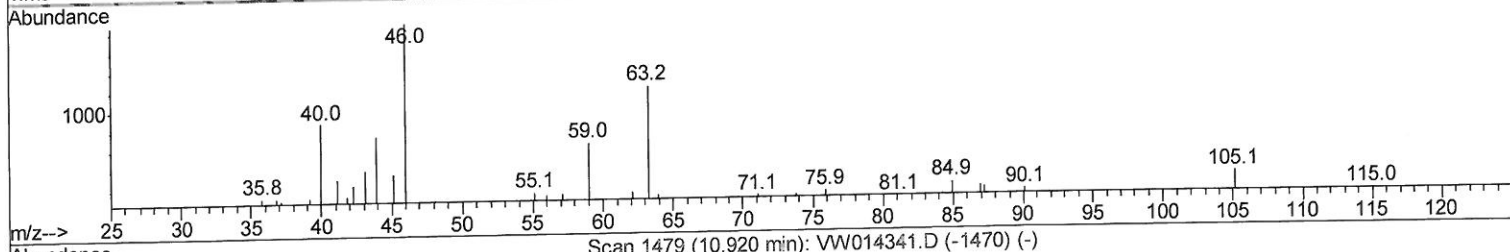
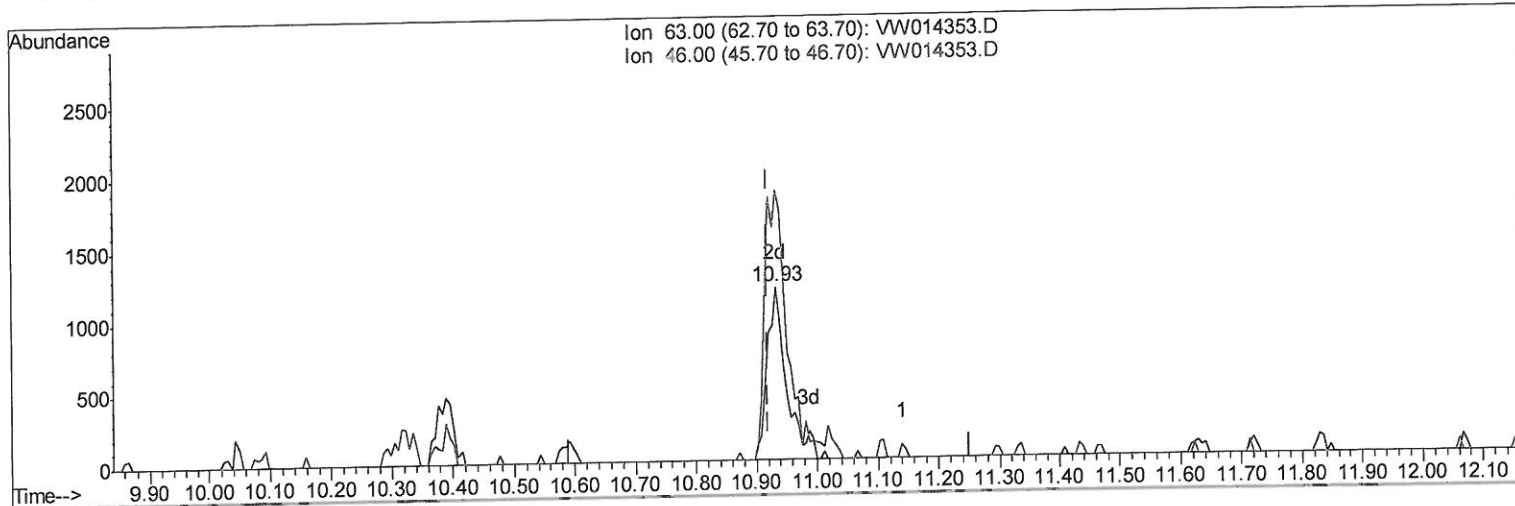
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Instrument :
MSVOA_W
ClientSampled :
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Manual Integrations
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Response via : Initial Calibration



TIC: VW014353.D

(39) 2-Hexanone-d5 (S)

10.933min (+0.012) 35.02ug/L m

5/12/17/19 SY

response 2662

Ion	Exp%	Act%
63.00	100	100
46.00	164.30	3.38#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

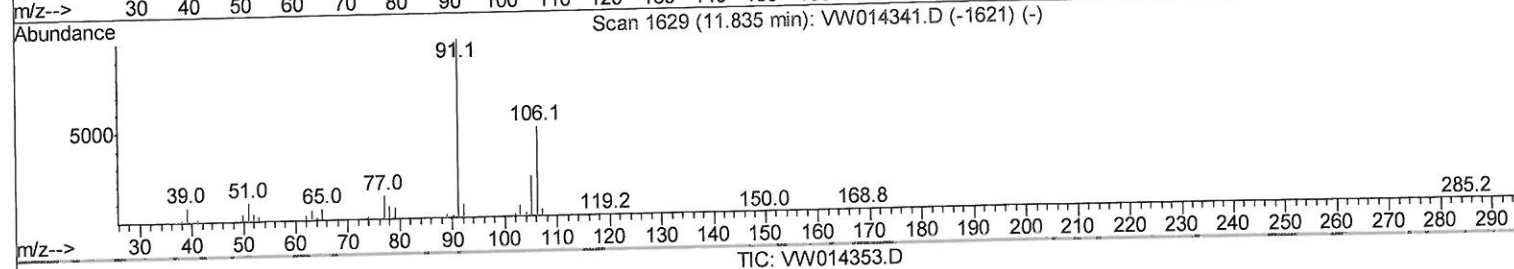
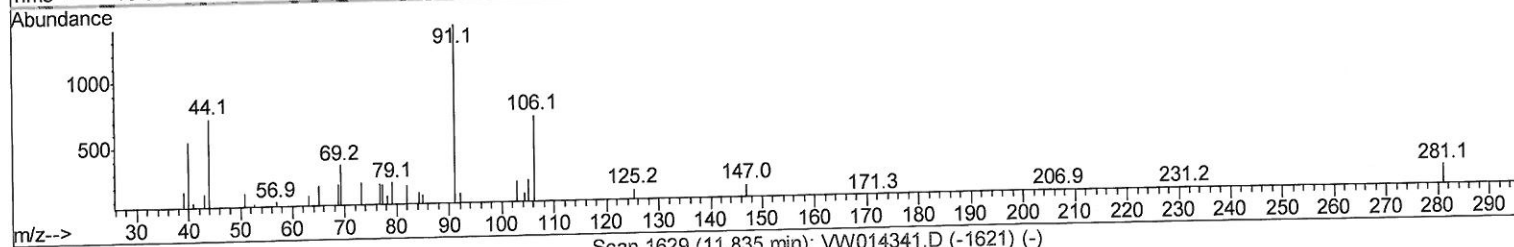
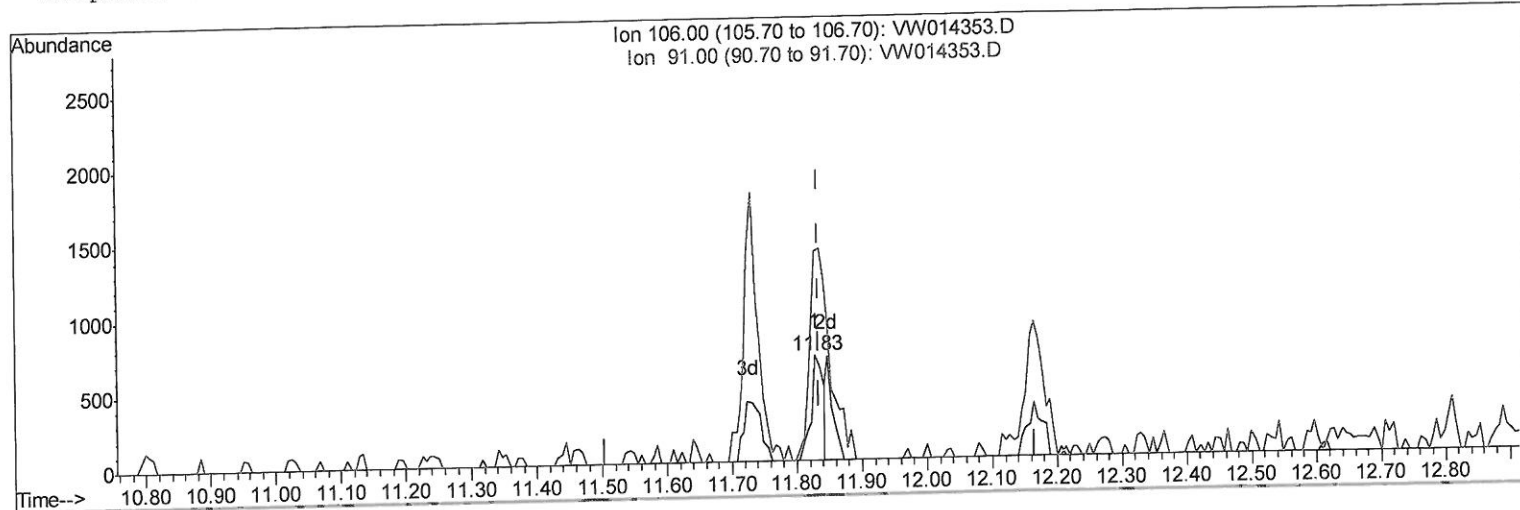
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Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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(54) m,p-Xylene (T)

11.829min (-0.006) 1.49ug/L

response 878

Ion	Exp%	Act%
106.00	100	100
91.00	198.10	199.14
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

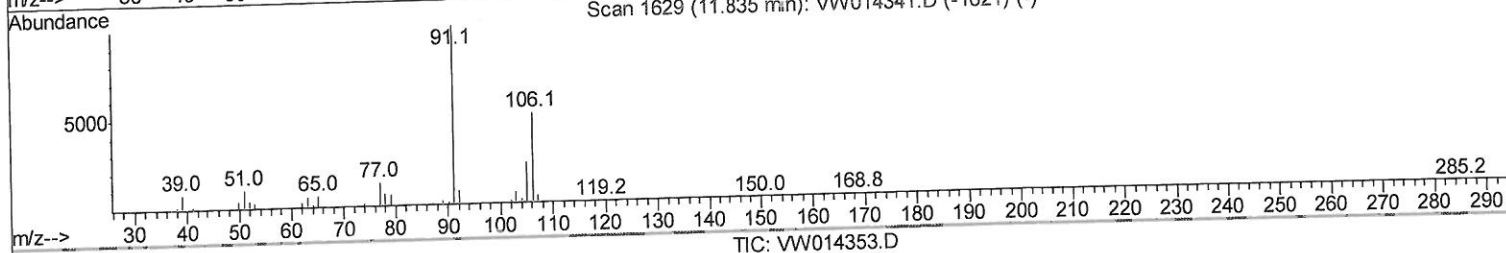
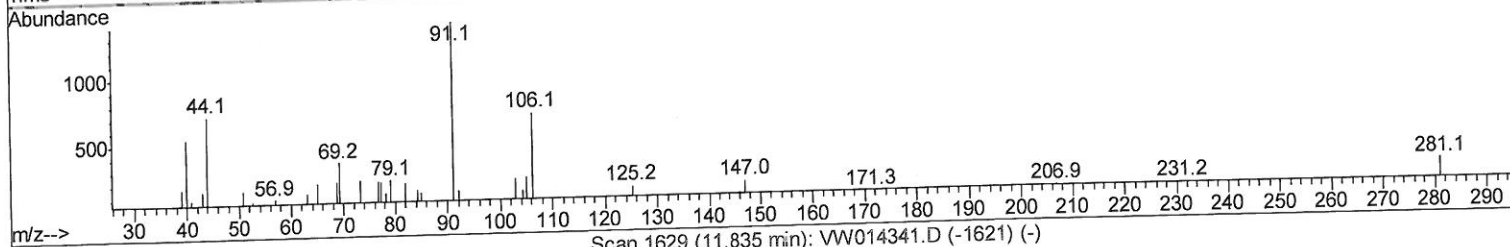
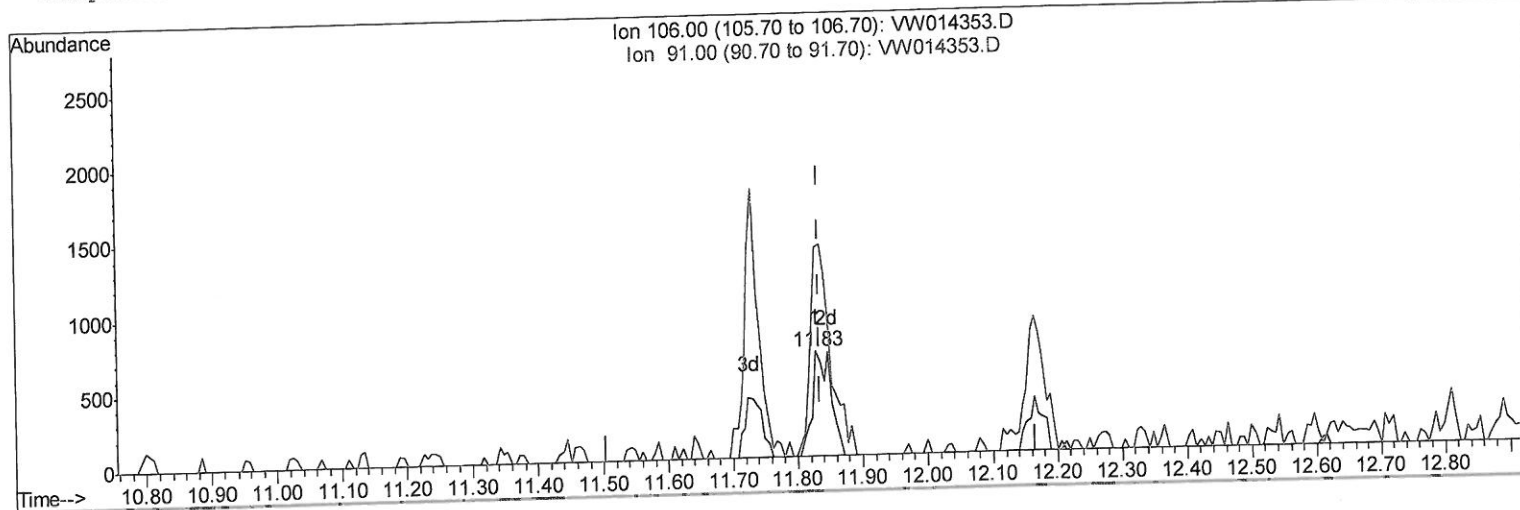
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Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETK82

Manual Integrations
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Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



(54) m,p-Xylene (T)

11.829min (-0.006) 2.37ug/L m

response 1392

Ion	Exp%	Act%
106.00	100	100
91.00	198.10	199.14
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

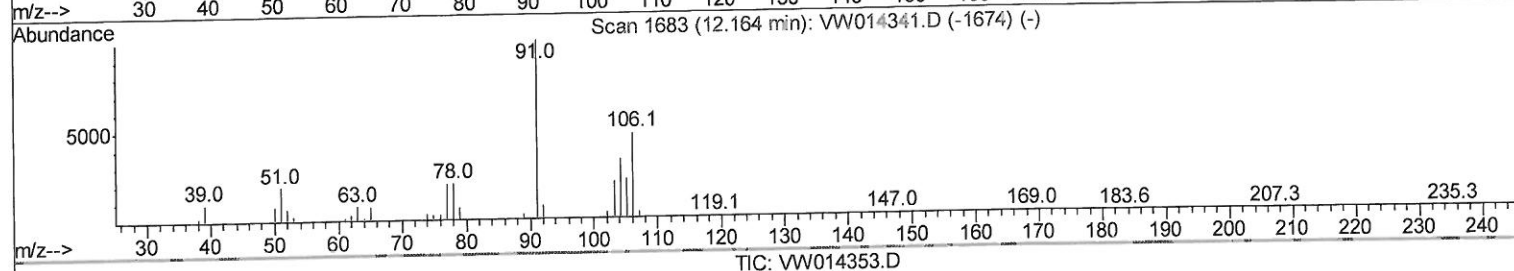
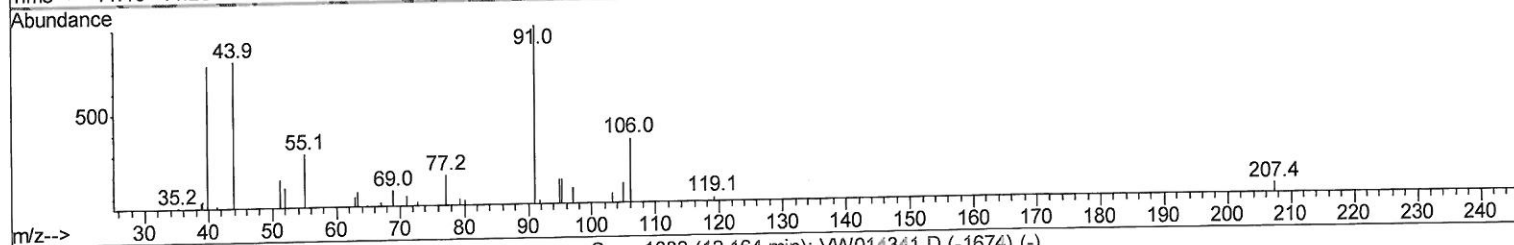
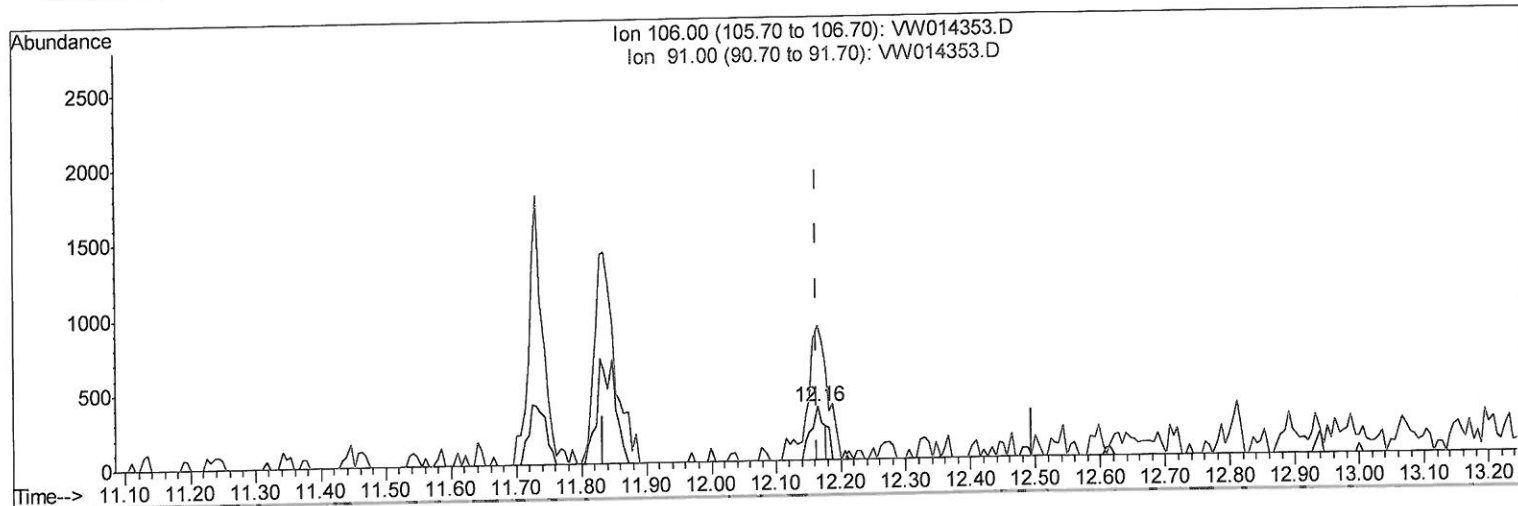
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Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Response via : Initial Calibration



(55) o-xylene (T)

12.164min (-0.000) 0.89ug/L

response 497

Ion	Exp%	Act%
106.00	100	100
91.00	211.90	253.09
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

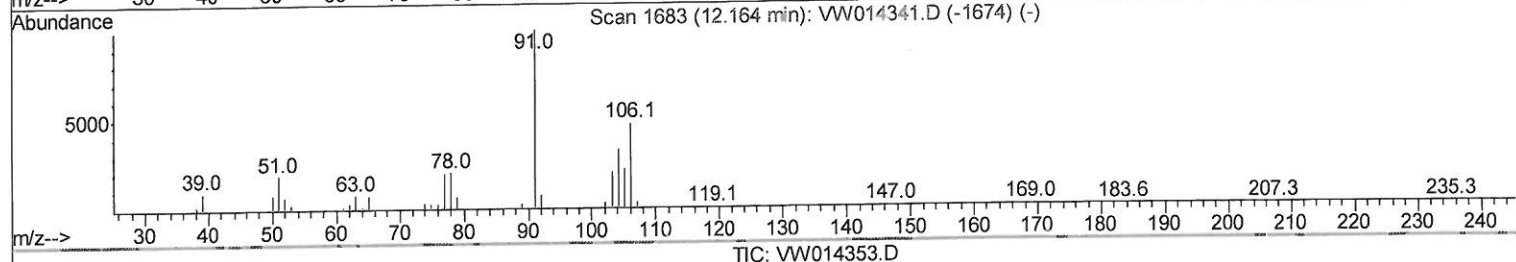
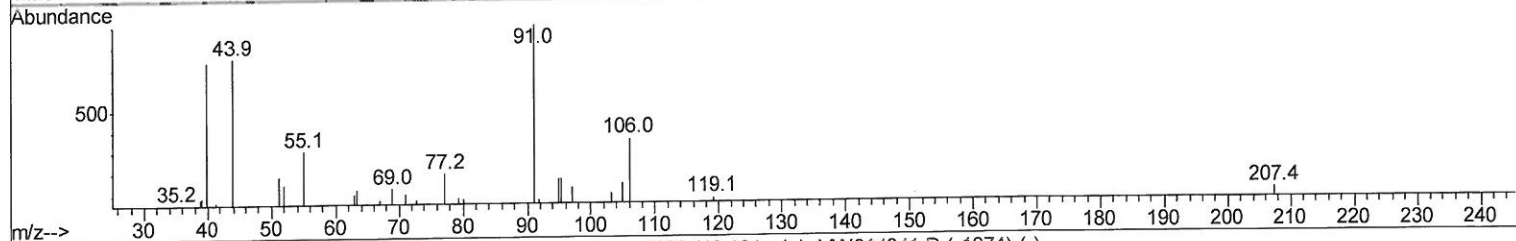
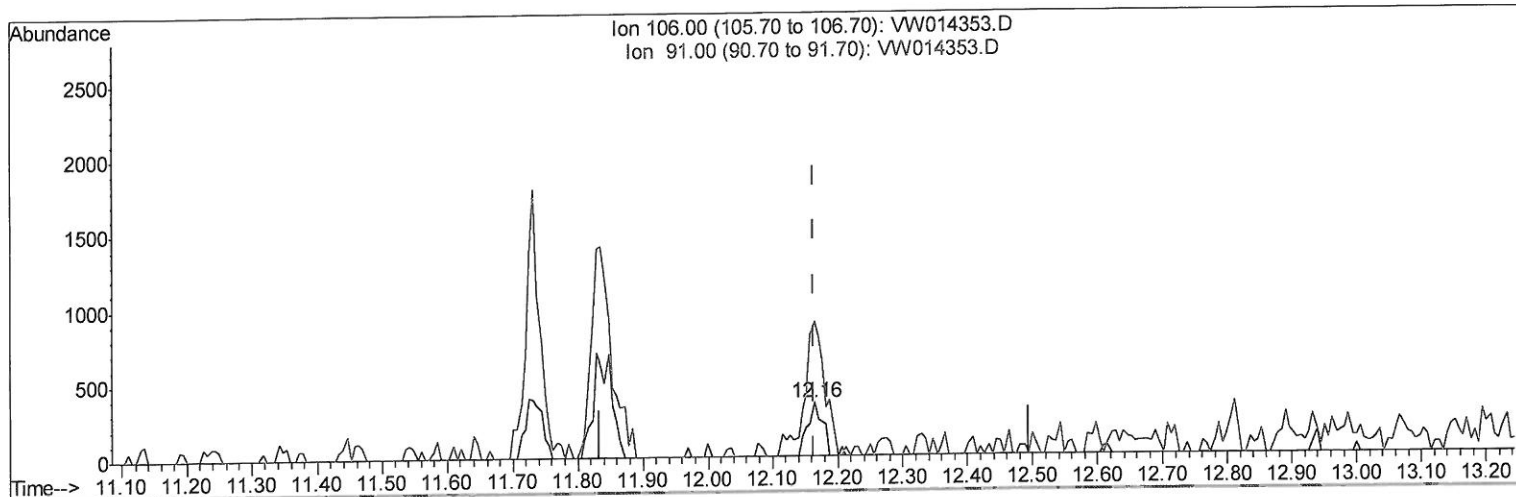
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETK82

Manual Integrations
APPROVED

apatel
12/17/2019 3:02:03 PM

Quant Time: Dec 16 15:17:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



(55) o-xylene (T)

12.164min (-0.000) 1.03ug/L m

response 575

Ion	Exp%	Act%
106.00	100	100
91.00	211.90	253.09
0.00	0.00	0.00
0.00	0.00	0.00

> 12/17/19 sy

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

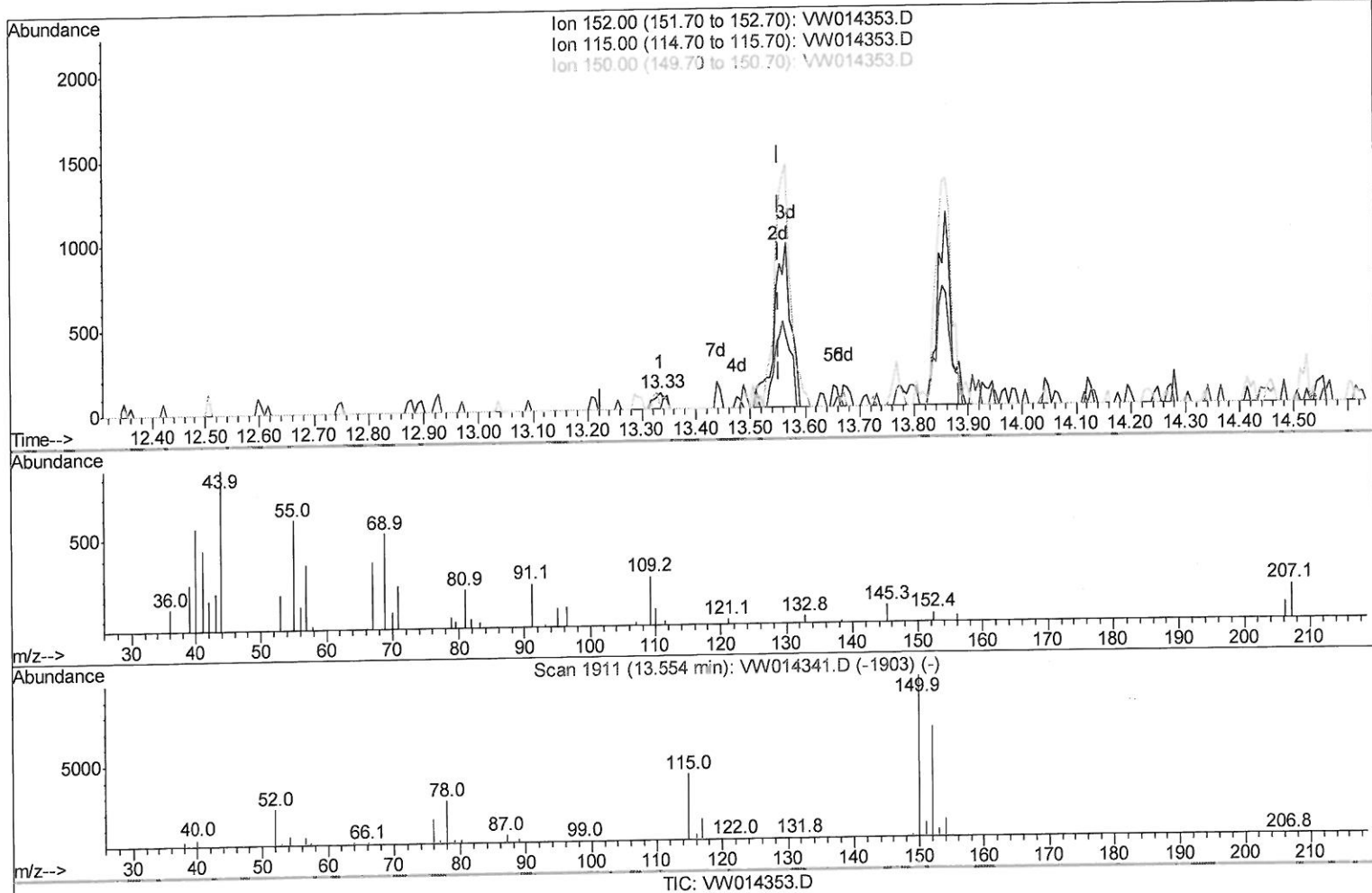
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
ETK82

Manual Integrations
APPROVED

apatel
12/17/2019 3:02:03 PM

Quant Time: Dec 16 15:17:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



(60) 1,4-Dichlorobenzene-d4 (I)

13.335min (-0.220) 25.00ug/L

response 154

Ion	Exp%	Act%
152.00	100	100
115.00	54.70	31.82
150.00	174.30	44.16
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (Qedit)

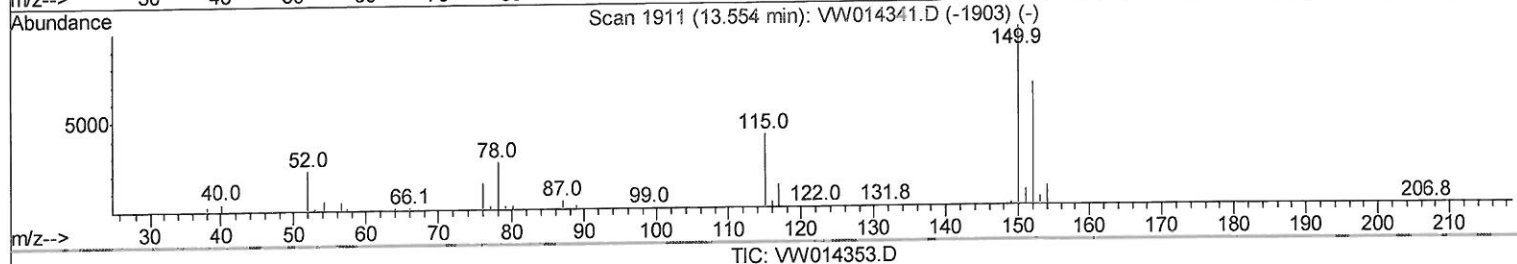
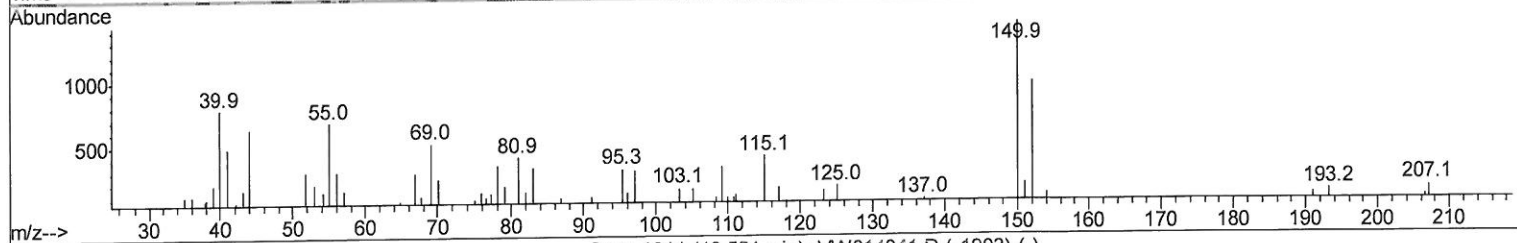
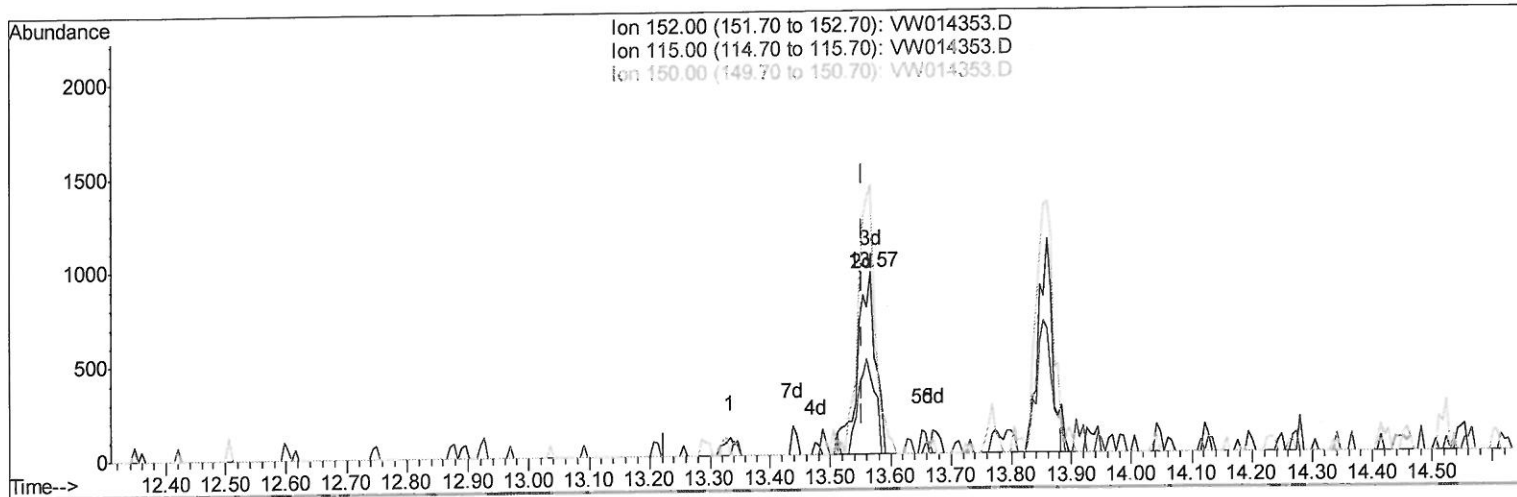
Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
ETK82

Manual Integrations
APPROVED

apatel
12/17/2019 3:02:03 PM

Quant Time: Dec 16 15:17:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration



(60) 1,4-Dichlorobenzene-d4 (l)

13.566min (+0.012) 25.00ug/L m

response 2002

Ion	Exp%	Act%
152.00	100	100
115.00	54.70	2.45
150.00	174.30	3.40
0.00	0.00	0.00

12/17/19 sy

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121319\
Quantitation Report (QT Reviewed)

Data File : VW014353.D
Acq On : 13 Dec 2019 16:48
Operator : SY/VA
Sample : K6270-04
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
ETK82

Manual Integrations
APPROVED

apatel
12/17/2019 3:02:03 PM

Quant Time: Dec 16 15:23:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 14 04:28:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	39730	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	21200	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	2002m	25.00	ug/L	0.01

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.34	65	18379	30.55	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	122.20%	
7) Chloroethane-d5	2.89	69	17904	40.02	ug/L	0.01
Spiked Amount	25.000	Range 30 - 150	Recovery	=	160.08%#	
10) 1,1-Dichloroethene-d2	4.03	63	22874	21.53	ug/L	0.01
Spiked Amount	25.000	Range 45 - 110	Recovery	=	86.12%	
20) 2-Butanone-d5	7.08	46	7901m	50.40	ug/L	0.01
Spiked Amount	50.000	Range 20 - 135	Recovery	=	100.80%	
24) Chloroform-d	7.64	84	32722	32.35	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	=	129.40%	
26) 1,2-Dichloroethane-d4	8.31	65	17592	33.17	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	=	132.68%#	
29) Benzene-d6	8.27	84	57001	45.88	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	=	183.52%#	
33) 1,2-Dichloropropane-d6	9.27	67	19035	49.80	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	=	199.20%#	
37) Toluene-d8	10.32	98	31821	28.32	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	=	113.28%	
38) trans-1,3-Dichloropropene-	10.58	79	5353	33.38	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	=	133.52%	
39) 2-Hexanone-d5	10.93	63	2662m	35.02	ug/L	0.01
Spiked Amount	50.000	Range 20 - 135	Recovery	=	70.04%	
48) 1,1,2,2-Tetrachloroethane-	12.69	84	10873	34.91	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	=	139.64%#	
61) 1,2-Dichlorobenzene-d4	13.86	152	1807	23.62	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	=	94.48%	

Target Compounds						Qvalue
13) Acetone	4.13	43	2865	18.954	ug/L	96
16) Methylene chloride	4.92	84	1343m	2.205	ug/L	
30) Cyclohexane	7.96	56	2689m	5.082	ug/L	
34) Benzene	8.32	78	5864	4.369	ug/L	100
36) Methylcyclohexane	9.34	83	2524m	4.373	ug/L	
44) Toluene	10.38	91	11323	8.046	ug/L	93
47) Tetrachloroethene	10.85	164	966	3.375	ug/L #	54
53) Ethylbenzene	11.73	91	2632	1.724	ug/L #	82
54) m,p-Xylene	11.83	106	1392m	2.370	ug/L	
55) o-xylene	12.16	106	575m	1.032	ug/L	

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