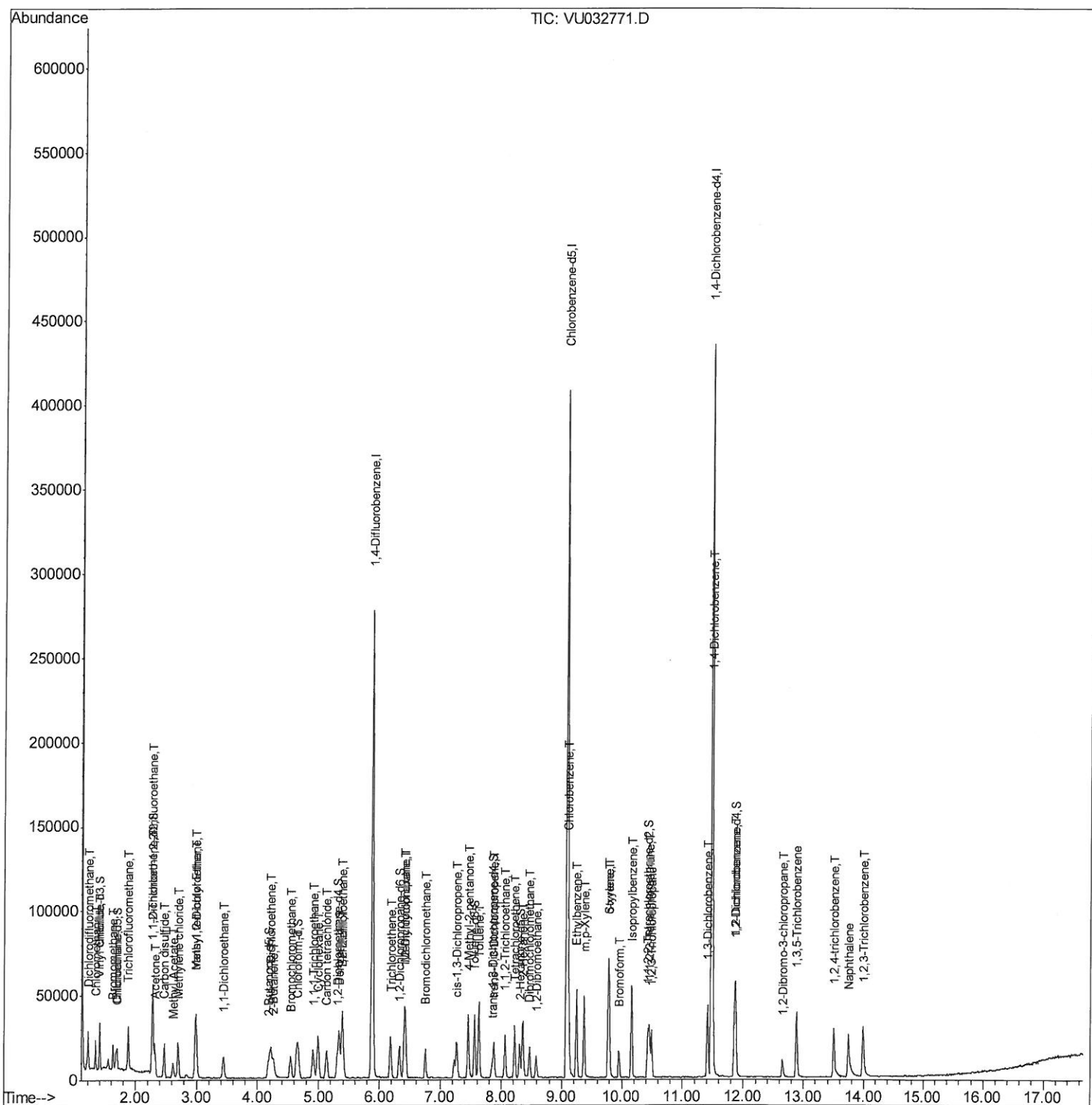


Instrument :
MSVOA_U
ClientSampleId :
VSTD00531

Manual Integrations

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6/18/2019 11:27:46 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Quantitation Report (Qedit)

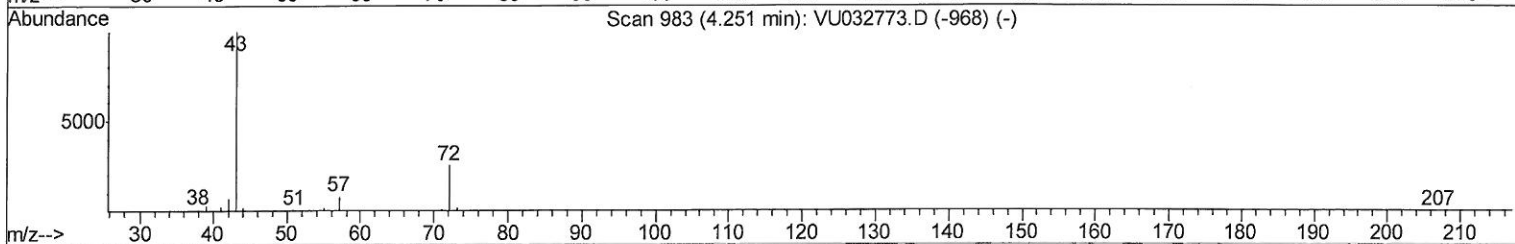
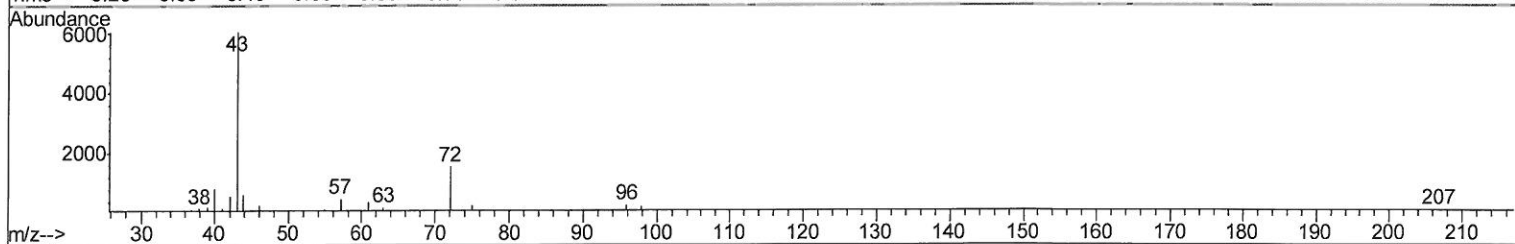
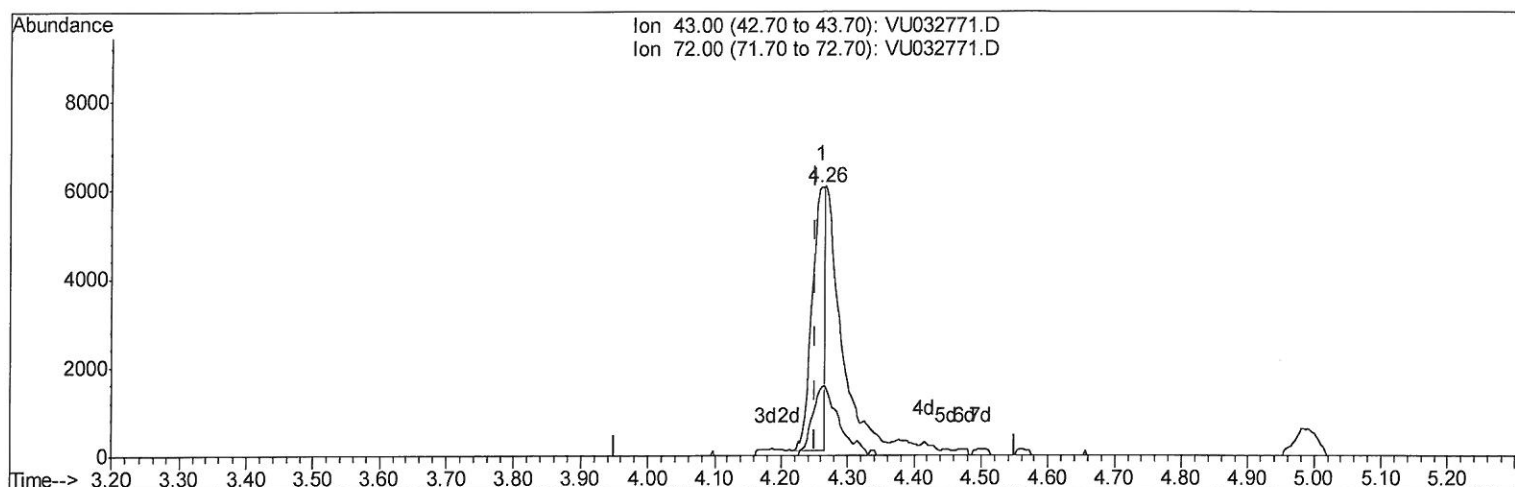
Data File : VU032771.D
Acq On : 17 Jun 2019 10:38
Operator : JC/SP
Sample : VSTD00531
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00531

Manual Integrations
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Quant Time: Jun 18 01:38:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 01:34:42 2019
Response via : Initial Calibration



TIC: VU032771.D

(22) 2-Butanone (T)

4.260min (+0.010) 5.00ug/L

response 7812

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	52.53#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Quantitation Report (Qedit)

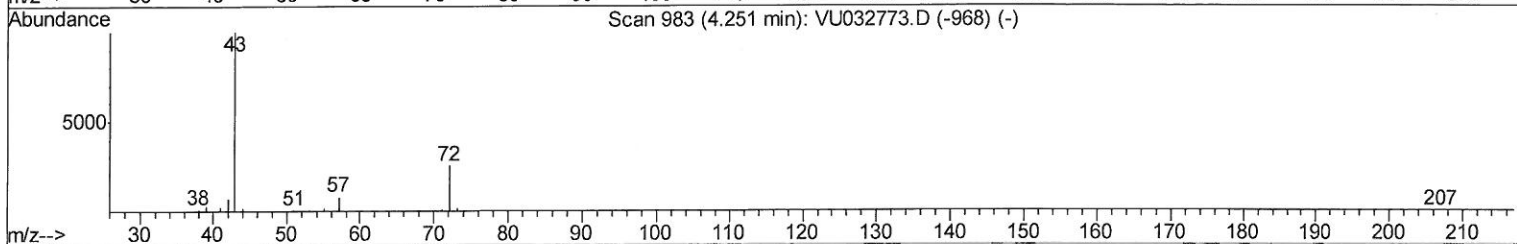
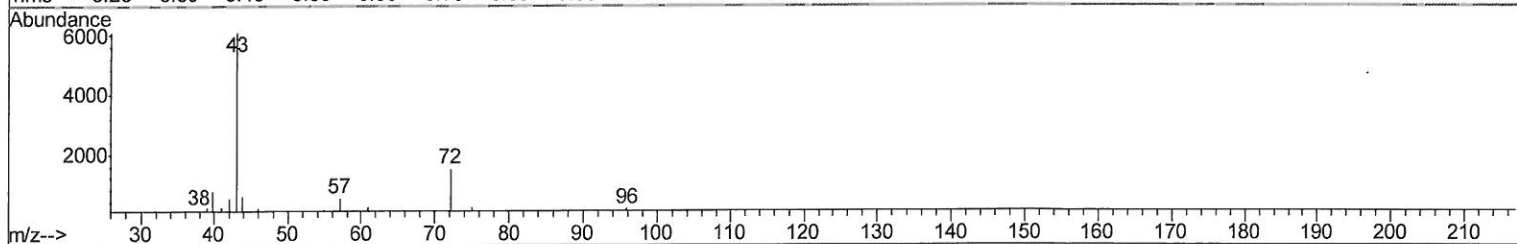
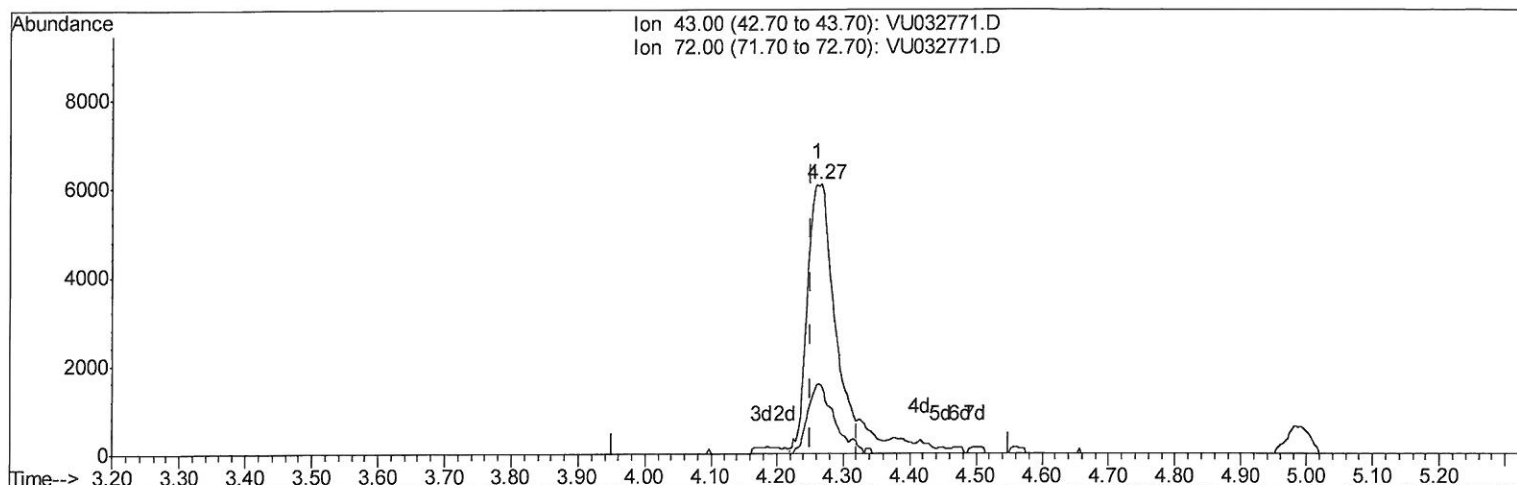
Data File : VU032771.D
Acq On : 17 Jun 2019 10:38
Operator : JC/SP
Sample : VSTD00531
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00531

Manual Integrations
APPROVED

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Quant Time: Jun 18 01:38:05 2019
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Response via : Initial Calibration



TIC: VU032771.D

(22) 2-Butanone (T)

4.267min (+0.016) 11.08ug/L m

response 17297

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	23.73
0.00	0.00	0.00
0.00	0.00	0.00

7 m8
6/18/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Quantitation Report (Qedit)

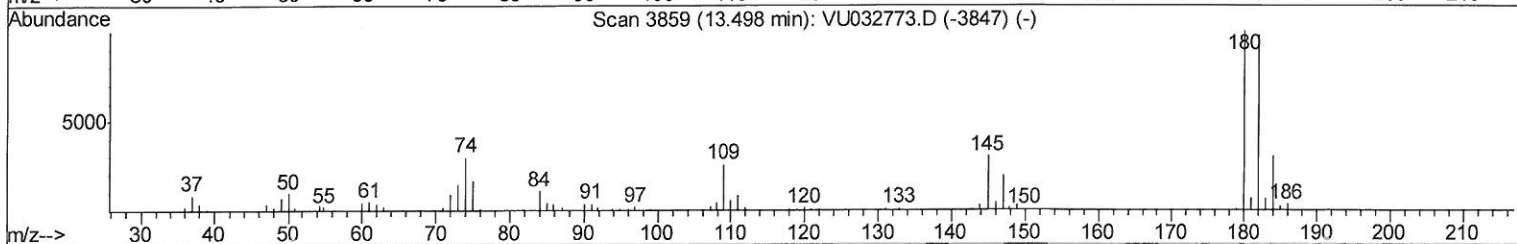
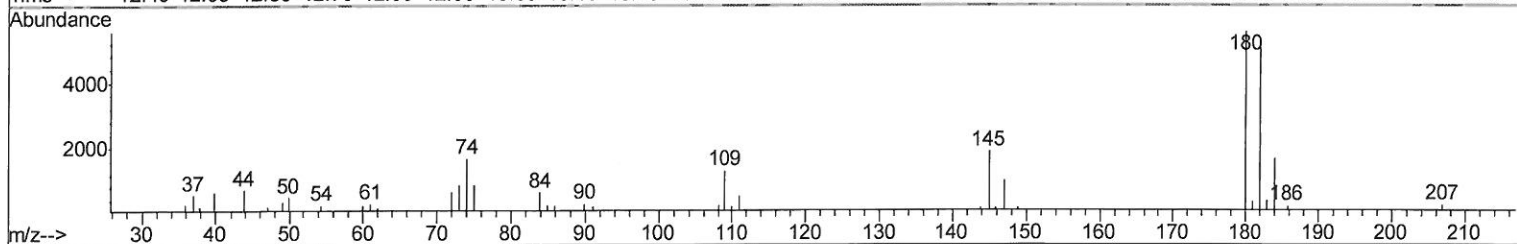
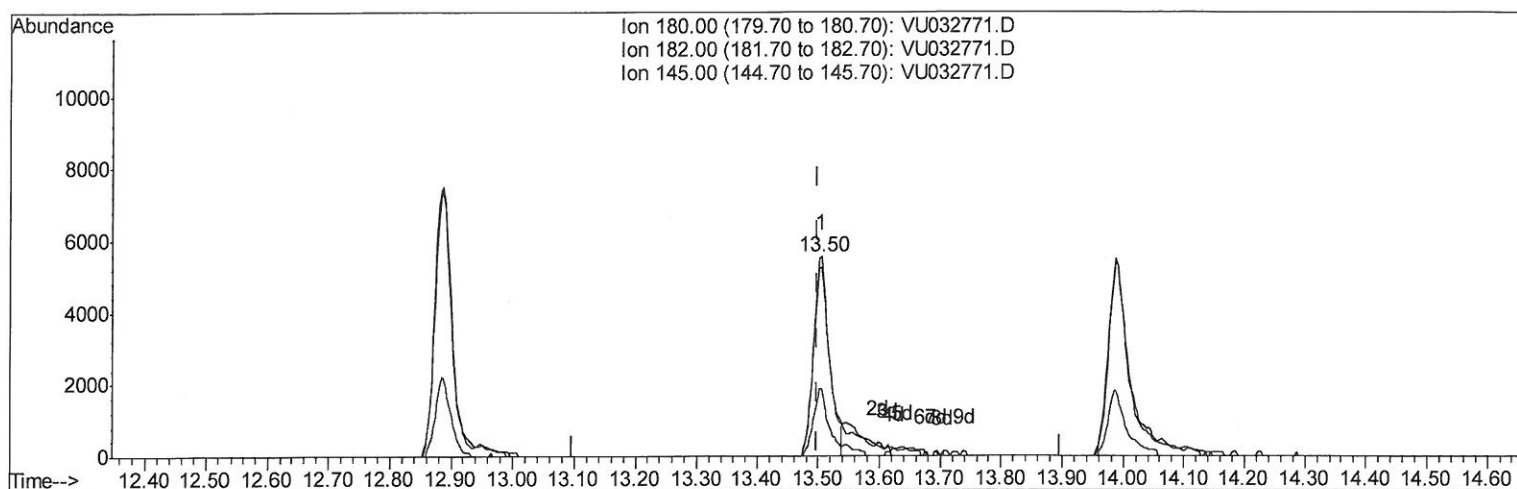
Data File : VU032771.D
Acq On : 17 Jun 2019 10:38
Operator : JC/SP
Sample : VSTD00531
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00531

Manual Integrations
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Quant Time: Jun 18 01:38:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration



TIC: VU032771.D

(68) 1,2,4-trichlorobenzene (T)

13.504min (+0.007) 4.54ug/L

response 9983

Ion	Exp%	Act%
180.00	100	100
182.00	95.30	102.06
145.00	29.80	32.75
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Quantitation Report (Qedit)

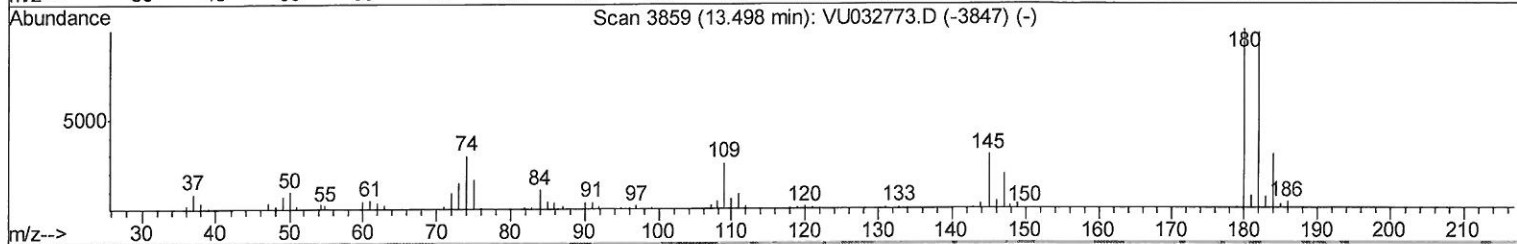
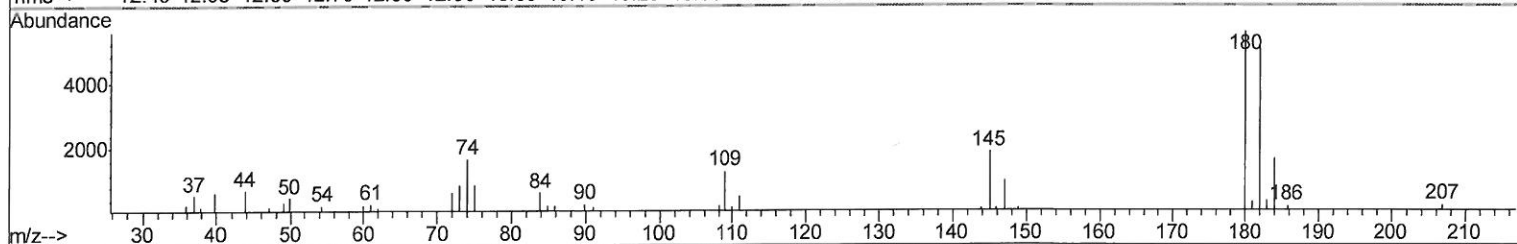
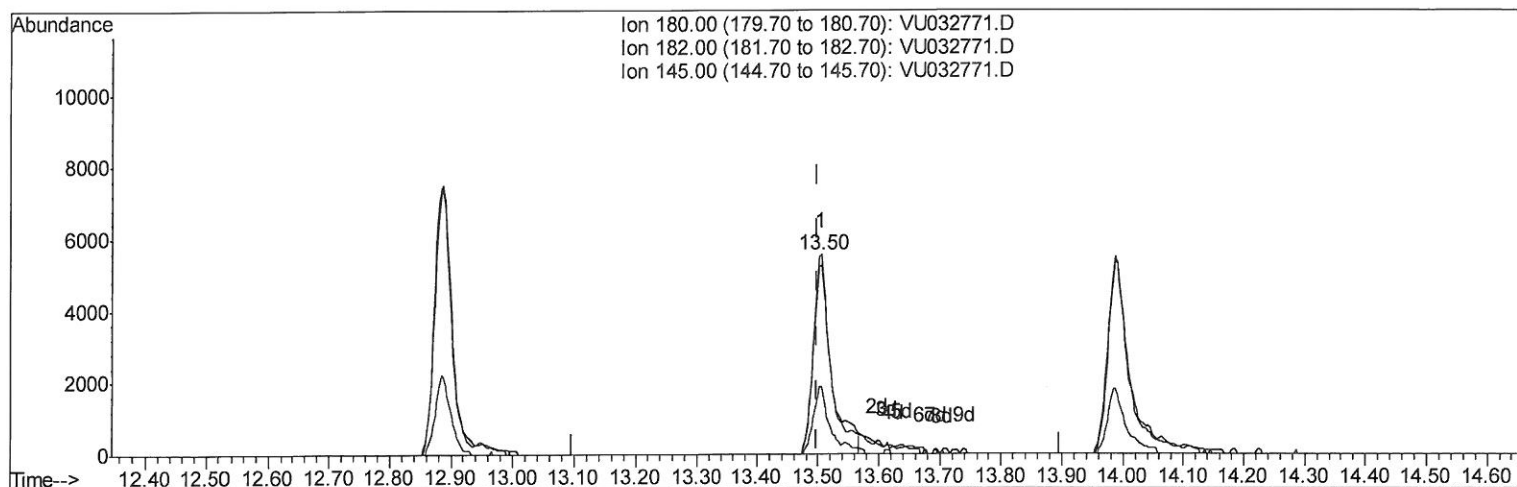
Data File : VU032771.D
Acq On : 17 Jun 2019 10:38
Operator : JC/SP
Sample : VSTD00531
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00531

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Jun 18 01:38:05 2019
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(68) 1,2,4-trichlorobenzene (T)

13.504min (+0.007) 5.19ug/L m

response 11406

Ion	Exp%	Act%
180.00	100	100
182.00	95.30	89.33
145.00	29.80	28.66
0.00	0.00	0.00

7 MD
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Quantitation Report (QT Reviewed)

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Instrument :
MSVOA_U
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VSTD00531

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:27:46 AM

Quant Time: Jun 18 01:43:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 01:34:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	227028	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	215914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109416	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Vinyl Chloride-d3	1.40	65	7770	5.21	ug/L	0.00
7) Chloroethane-d5	1.68	69	6055	5.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	15208	5.19	ug/L	0.00
21) 2-Butanone-d5	4.17	46	11915	9.64	ug/L	0.00
24) Chloroform-d	4.64	84	14014	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	9647	5.39	ug/L	0.00
32) Benzene-d6	5.34	84	26811	4.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	8587	4.83	ug/L	0.00
41) Toluene-d8	7.56	98	24554	4.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	4219	4.93	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	7317	8.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	13274	5.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	10859	5.17	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	11621	5.526	ug/L	99
3) Chloromethane	1.32	50	10413	5.216	ug/L	92
5) Vinyl chloride	1.40	62	10172	5.081	ug/L	100
6) Bromomethane	1.62	94	5735	4.841	ug/L	97
8) Chloroethane	1.69	64	5929	5.014	ug/L	97
9) Trichlorofluoromethane	1.88	101	14300	5.238	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	7614	5.374	ug/L	99
12) 1,1-Dichloroethene	2.28	96	7051	5.162	ug/L	84
13) Acetone	2.32	43	19496	14.279	ug/L	99
14) Carbon disulfide	2.47	76	23193	5.555	ug/L	100
15) Methyl Acetate	2.61	43	9860	5.371	ug/L	99
16) Methylene chloride	2.69	84	8190	5.228	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	7985	5.407	ug/L	95
18) Methyl tert-butyl Ether	2.99	73	23713	4.892	ug/L	99
19) 1,1-Dichloroethane	3.44	63	14248	5.219	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	7978	4.796	ug/L	96
22) 2-Butanone	4.27	43	17297m	11.077	ug/L	96
23) Bromochloromethane	4.54	128	3961	4.574	ug/L	94
25) Chloroform	4.67	83	14928	5.306	ug/L	98
27) 1,2-Dichloroethane	5.40	62	12119	5.381	ug/L	95
29) Cyclohexane	4.98	56	12410	4.837	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	13174	5.325	ug/L	99
31) Carbon tetrachloride	5.13	117	11581	5.096	ug/L	94
33) Benzene	5.38	78	31216	5.114	ug/L	100
34) Trichloroethene	6.18	95	8645	5.217	ug/L	97
35) Methylcyclohexane	6.41	83	12386	4.644	ug/L	97
37) 1,2-Dichloropropane	6.43	63	8490	5.190	ug/L	97
38) Bromodichloromethane	6.75	83	10830	5.120	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	12335	4.809	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	25947	10.005	ug/L	98

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Quantitation Report (QT Reviewed)

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Manual Integrations
APPROVED

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6/18/2019 11:27:46 AM

Quant Time: Jun 18 01:43:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 01:34:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	32567	4.877	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	11783	5.125	ug/L	93
45) 1,1,2-Trichloroethane	8.06	97	7679	5.012	ug/L	97
46) Tetrachloroethene	8.22	164	6741	4.937	ug/L	93
48) 2-Hexanone	8.36	43	23031	10.631	ug/L	100
49) Dibromochloromethane	8.47	129	8913	4.968	ug/L	100
50) 1,2-Dibromoethane	8.58	107	8416	4.882	ug/L #	99
51) Chlorobenzene	9.11	112	22638	5.259	ug/L	98
52) Ethylbenzene	9.24	91	35457	4.775	ug/L	100
53) m,p-Xylene	9.37	106	13494	4.787	ug/L	100
54) o-xylene	9.77	106	12678	4.539	ug/L	96
55) Styrene	9.79	104	21125	4.506	ug/L	96
56) Isopropylbenzene	10.16	105	33853	4.593	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	13893	5.273	ug/L	93
59) 1,2,3-Trichloropropane	10.49	75	11023	5.210	ug/L	96
61) Bromoform	9.95	173	7186	5.409	ug/L	94
62) 1,3-Dichlorobenzene	11.41	146	18069	5.445	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	19043	5.573	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	18006	5.358	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	3012	5.244	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	14249	5.489	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	11406m	5.191	ug/L	97
69) Naphthalene	13.75	128	30134	4.372	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.99	180	13206	5.737	ug/L	96

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

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6/18/19