

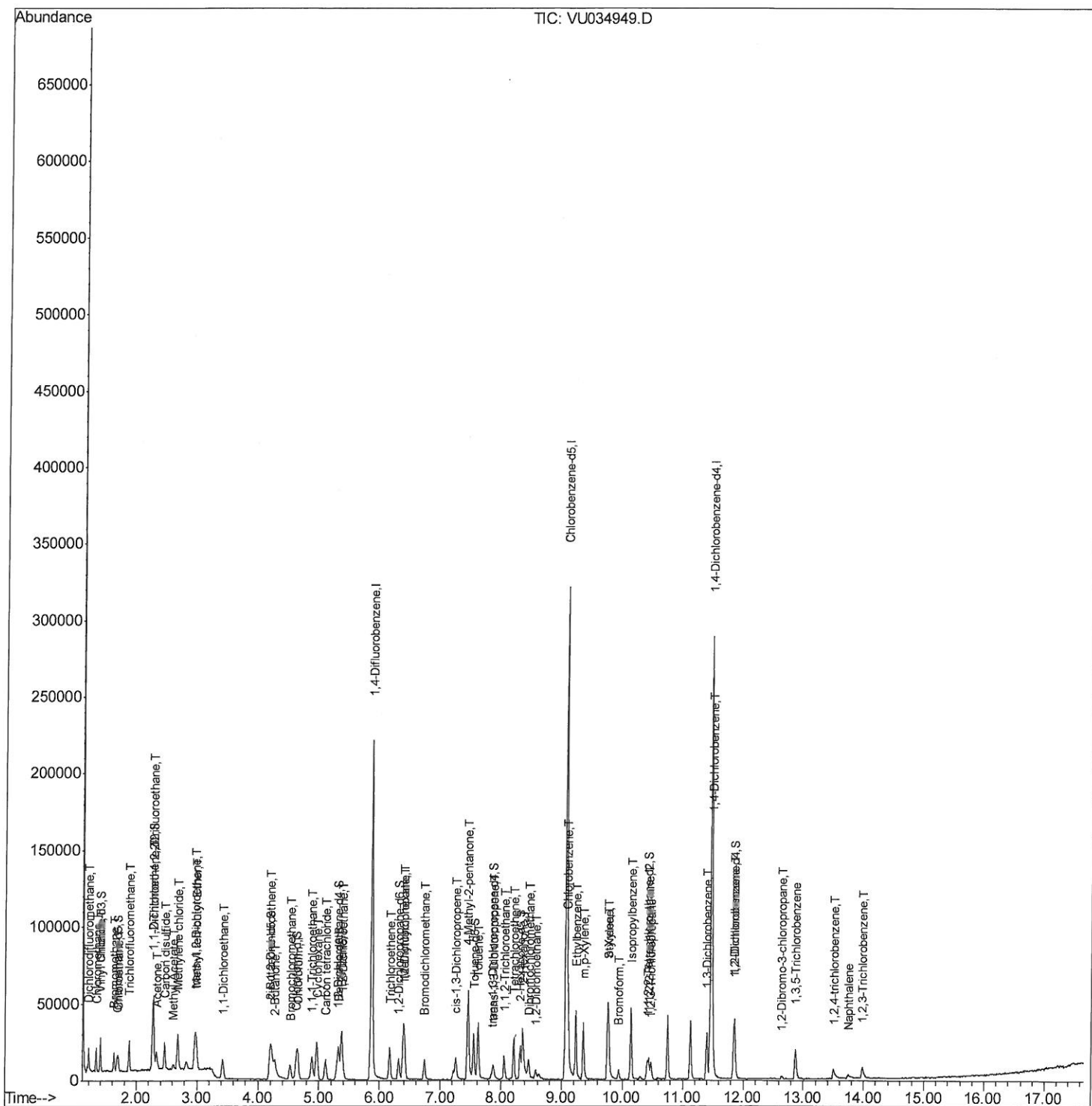
Data File : VU034949.D
Acq On : 07 Oct 2019 09:54
Operator : JC/SP
Sample : VSTD0.505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
10/9/2019 3:03:27 PM

Quant Time: Oct 09 02:04:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 01:50:37 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Qedit)

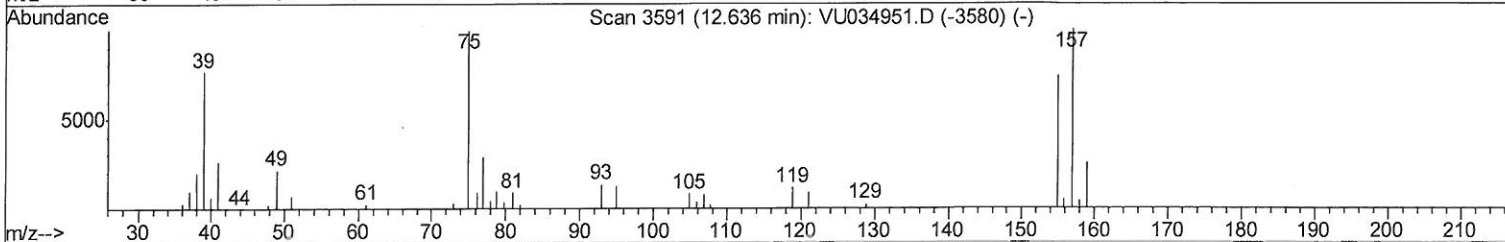
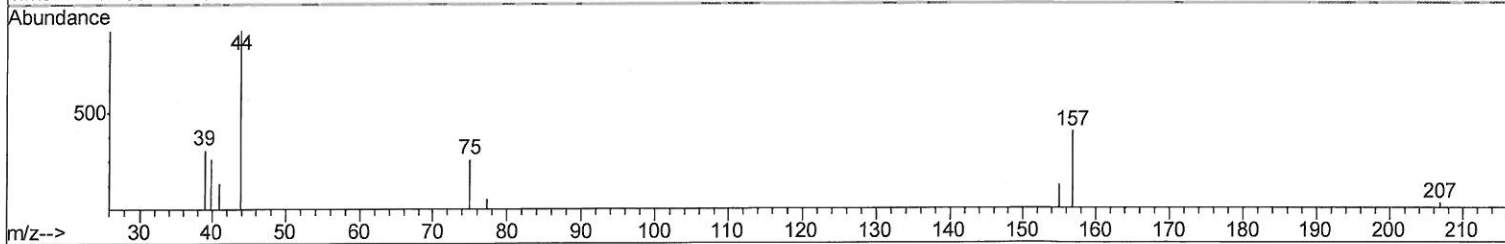
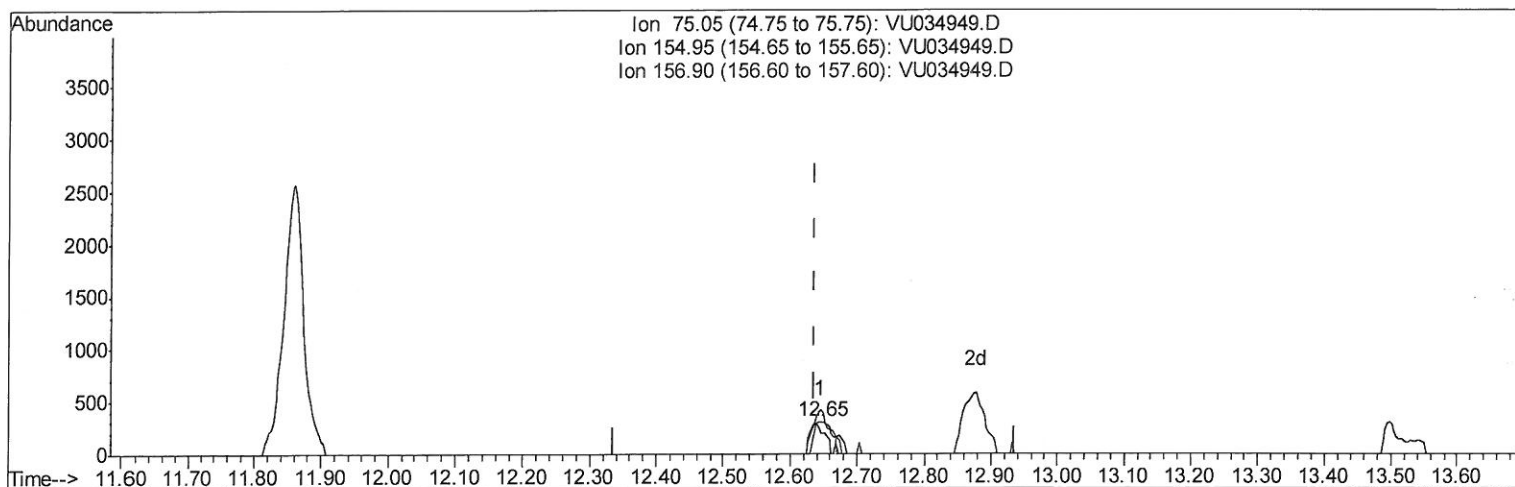
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TIC: VU034949.D

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

12.646min (+0.010) 0.35ug/L

response 654

Ion	Exp%	Act%
75.05	100	100
154.95	74.60	65.47
156.90	101.00	136.48#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Qedit)

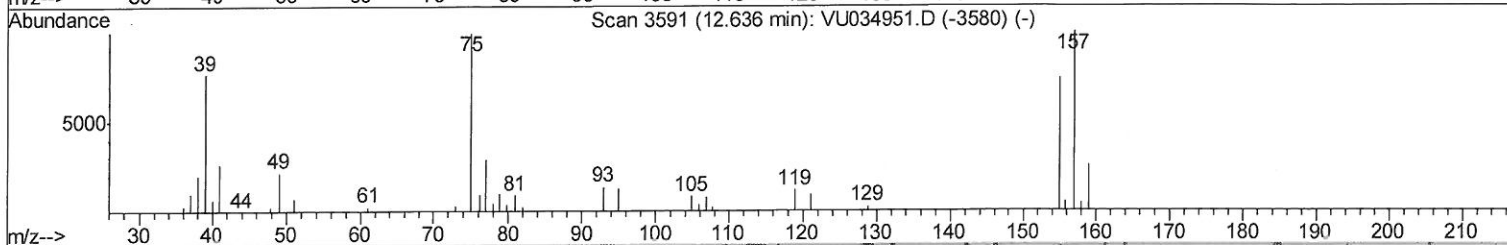
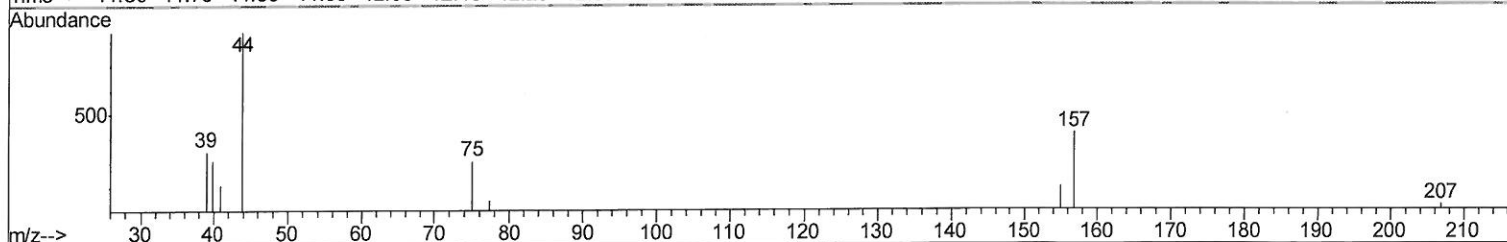
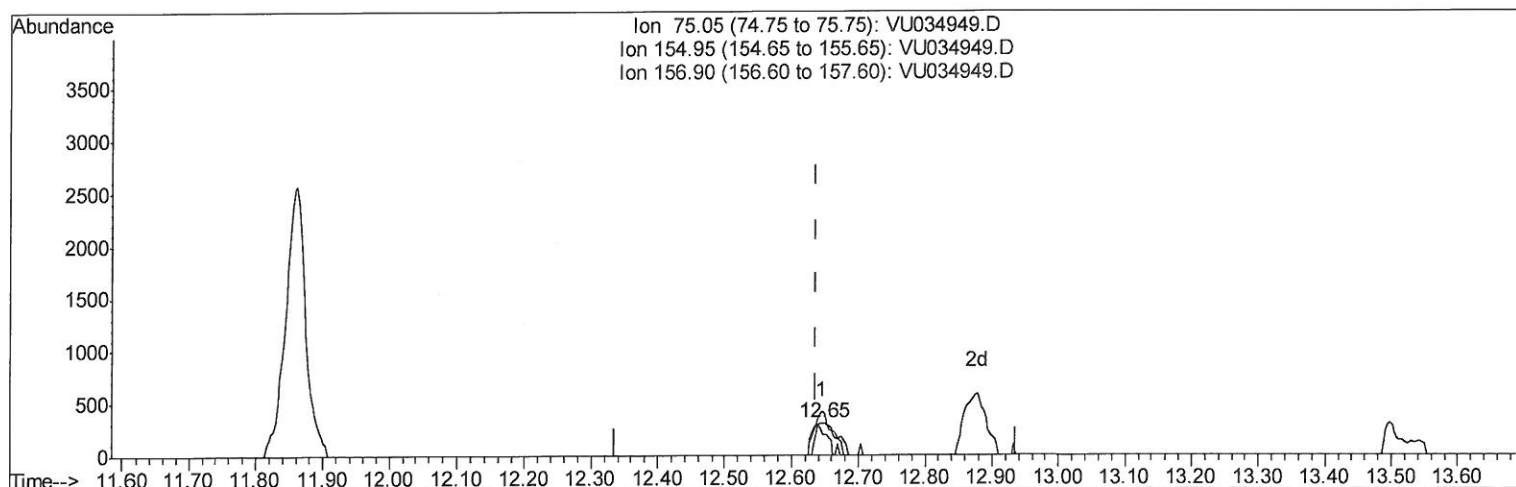
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QLast Update : Wed Oct 09 01:50:37 2019
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TIC: VU034949.D

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

12.646min (+0.010) 0.41ug/L m

response 768

Ion	Exp%	Act%
75.05	100	100
154.95	74.60	65.47
156.90	101.00	136.48#
0.00	0.00	0.00

7 mQ
10/15/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Qedit)

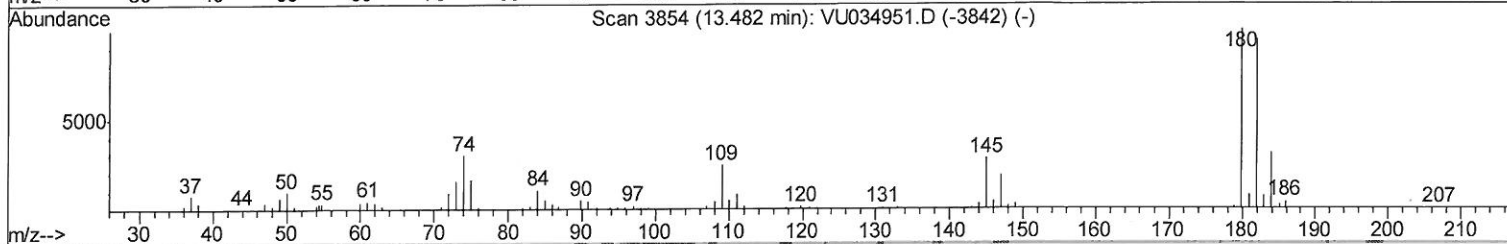
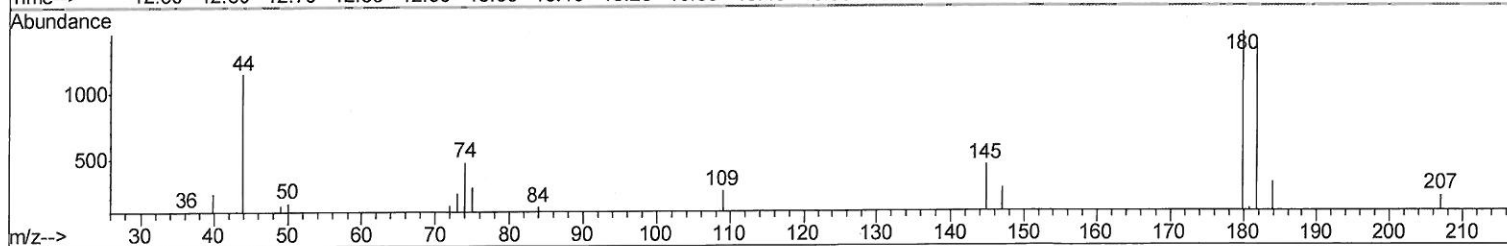
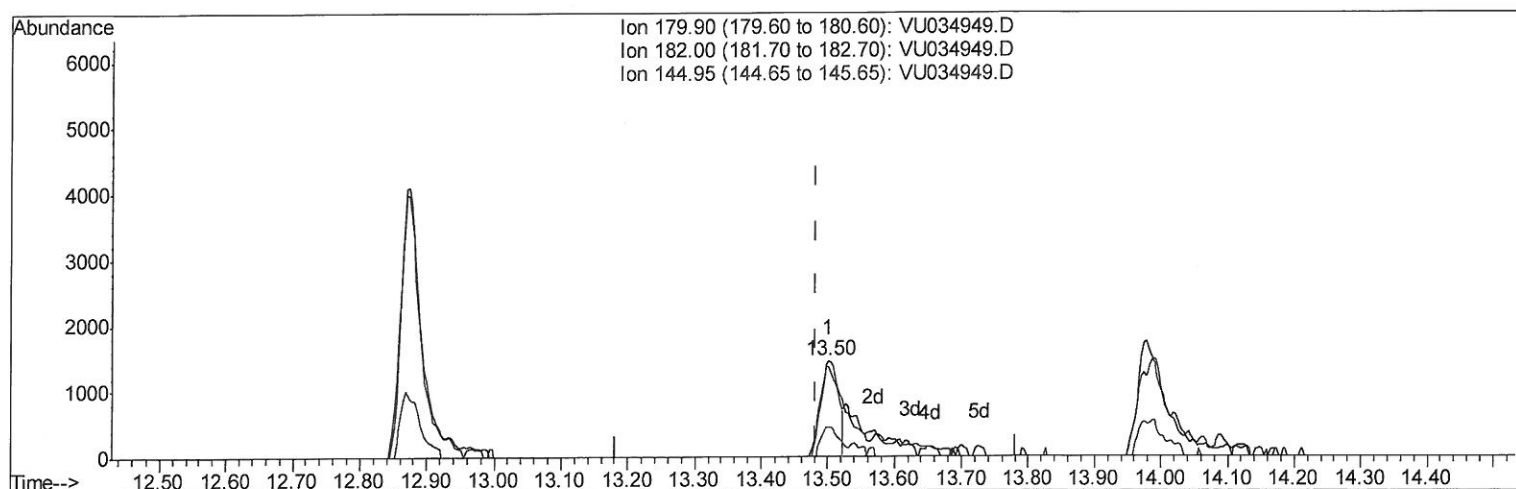
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Manual Integrations
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TIC: VU034949.D

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

13.501min (+0.019) 0.17ug/L

response 2694

Ion	Exp%	Act%
179.90	100	100
182.00	96.20	137.27#
144.95	27.80	32.22
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Qedit)

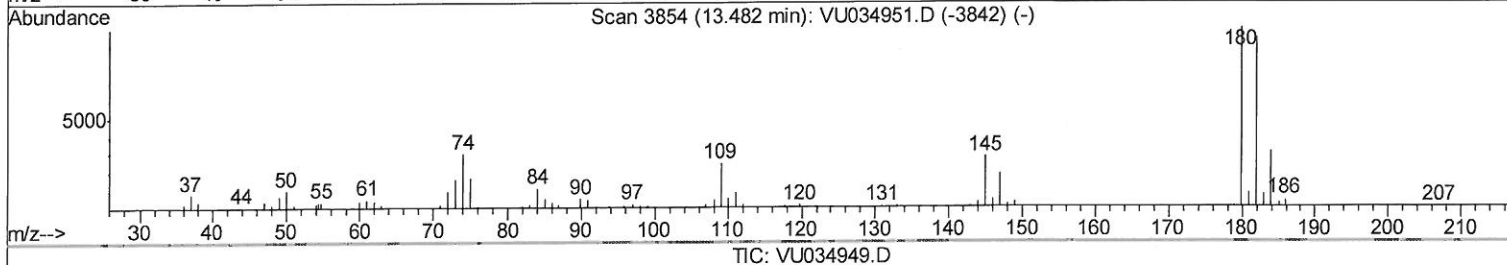
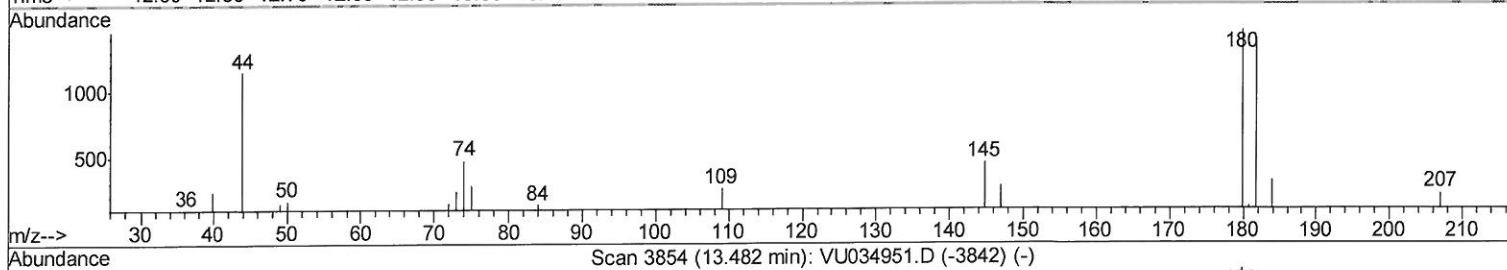
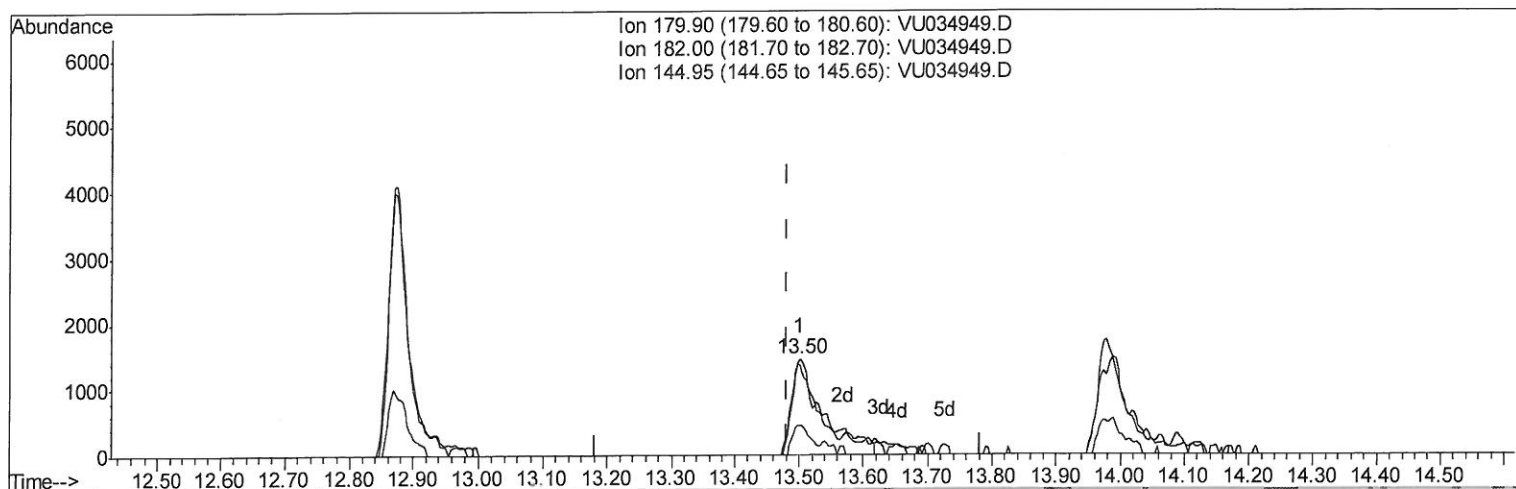
Data File : VU034949.D
Acq On : 07 Oct 2019 09:54
Operator : JC/SP
Sample : VSTD0.505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Oct 09 01:53:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
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Response via : Initial Calibration



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

13.501min (+0.019) 0.31ug/L m

response 4868

Ion	Exp%	Act%
179.90	100	100
182.00	96.20	75.97#
144.95	27.80	17.83#
0.00	0.00	0.00

MMD
10/15/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Qedit)

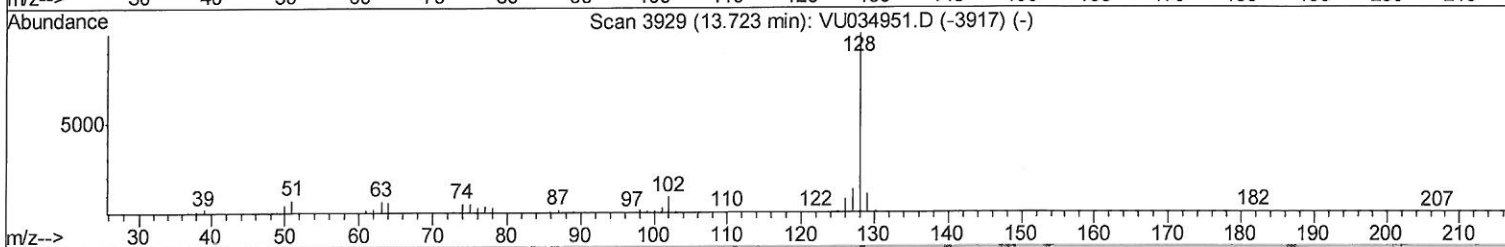
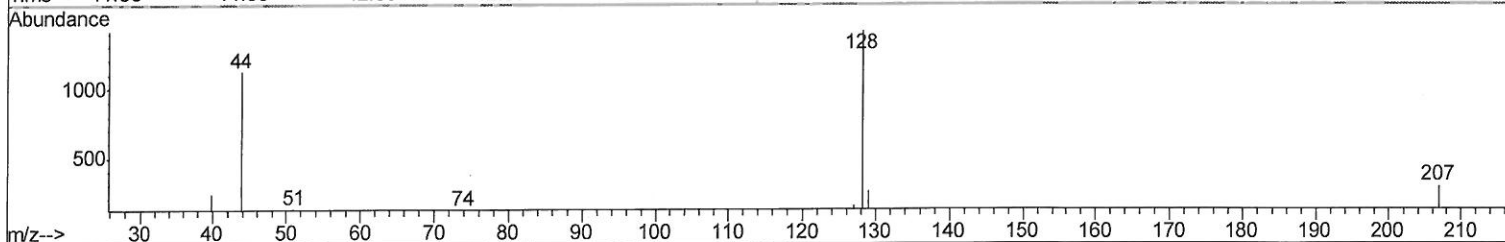
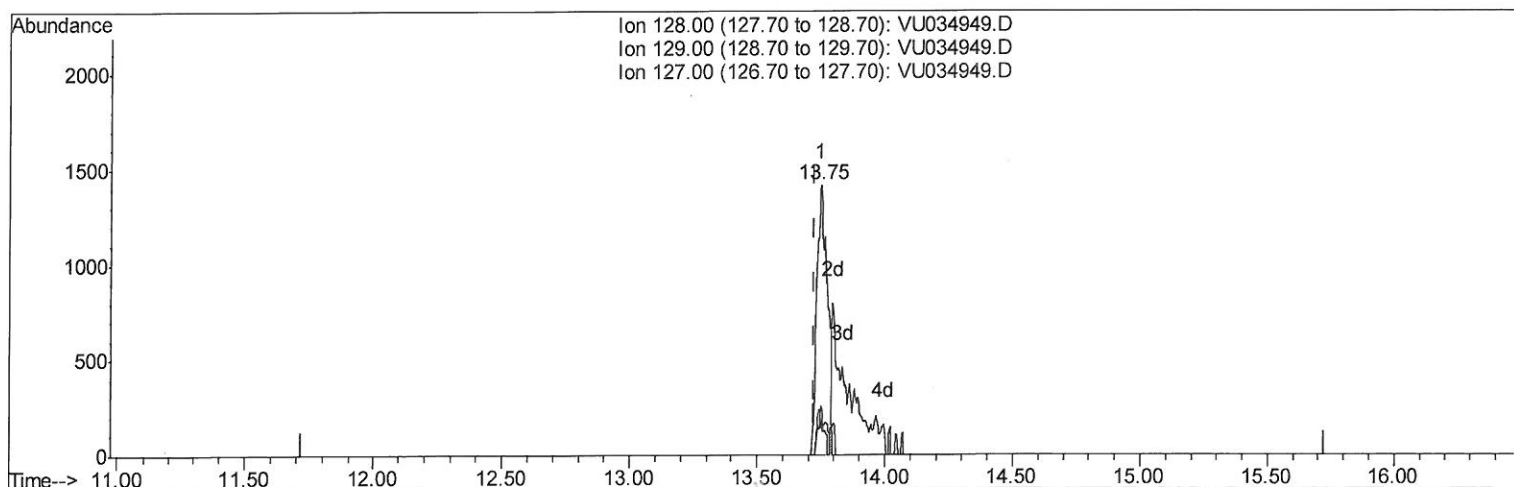
Data File : VU034949.D
Acq On : 07 Oct 2019 09:54
Operator : JC/SP
Sample : VSTD0.505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Oct 09 01:53:27 2019
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Response via : Initial Calibration



TIC: VU034949.D

(69) Naphthalene

13.749min (+0.026) 0.15ug/L

response 4004

Ion	Exp%	Act%
128.00	100	100
129.00	10.10	7.67#
127.00	12.20	6.19#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Qedit)

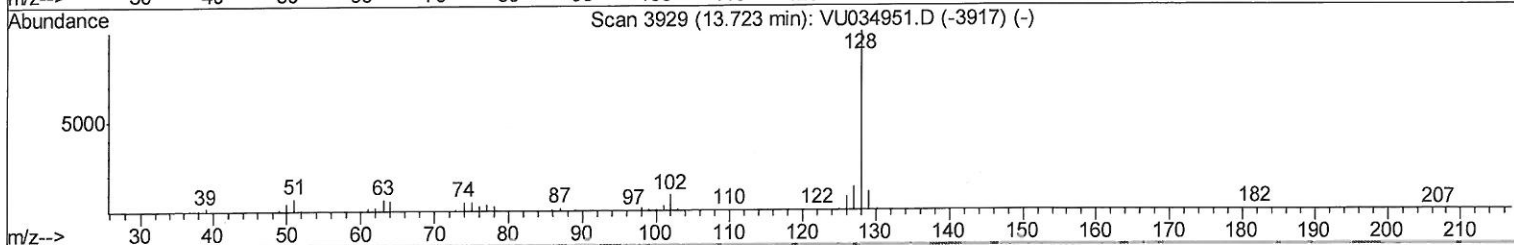
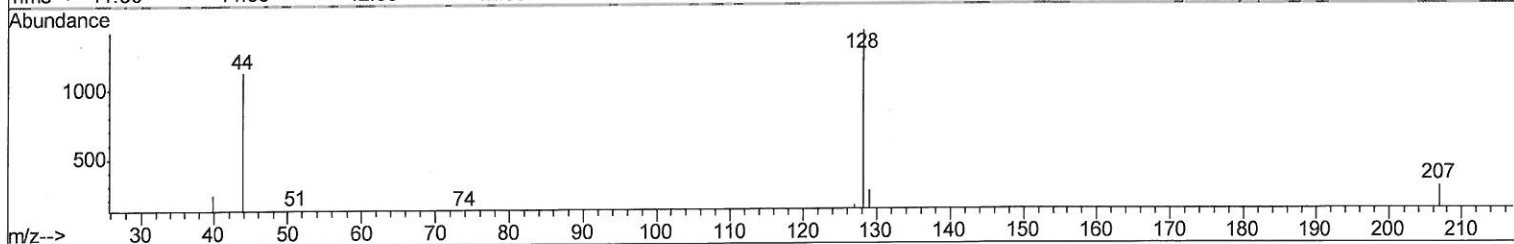
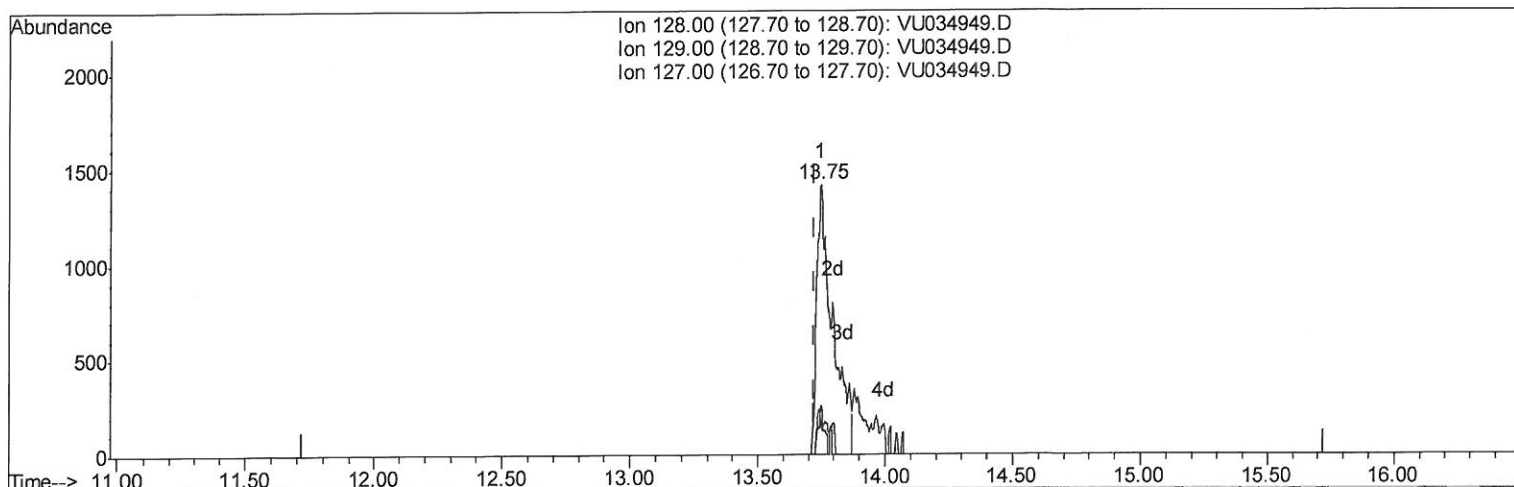
Data File : VU034949.D
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
10/9/2019 3:03:27 PM

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Response via : Initial Calibration



TIC: VU034949.D

(69) Naphthalene

13.749min (+0.026) 0.24ug/L m

response 6131

Ion Exp% Act%

128.00 100 100

129.00 10.10 5.01#

127.00 12.20 4.05#

0.00 0.00 0.00

7mD
10/15/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Qedit)

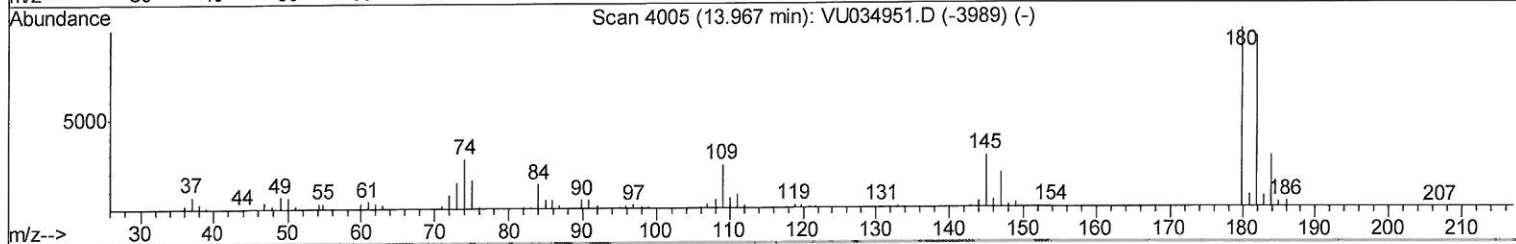
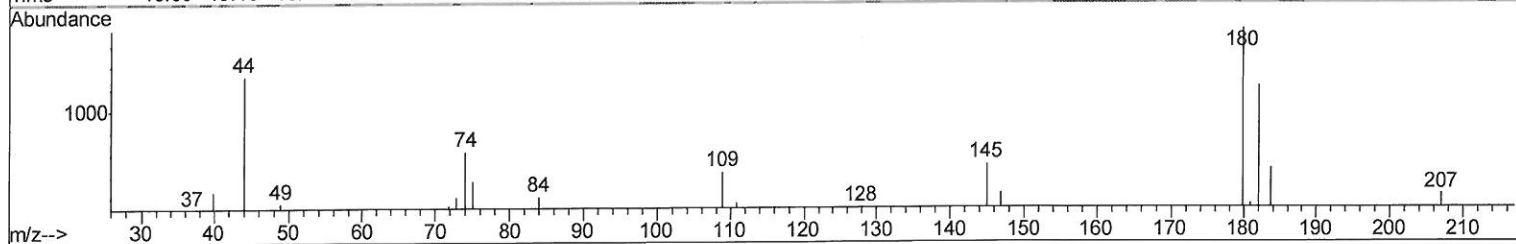
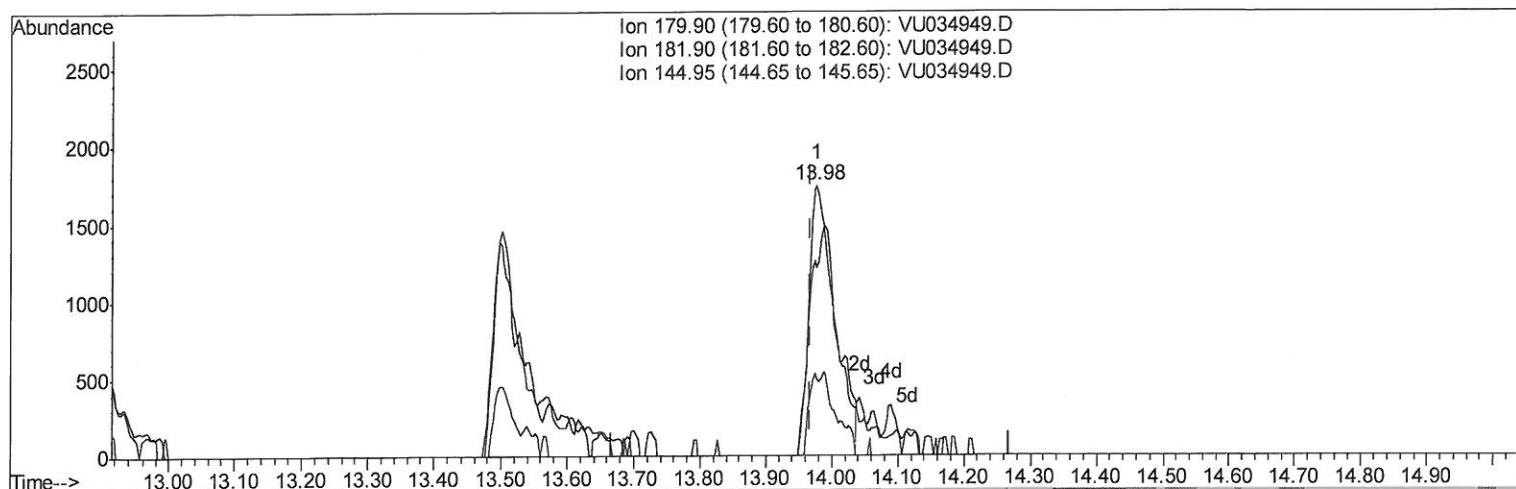
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Sample : VSTD0.505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Oct 09 01:53:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 01:50:37 2019
Response via : Initial Calibration



TIC: VU034949.D

(70) 1,2,3-Trichlorobenzene (T)

13.977min (+0.010) 0.32ug/L

response 4677

Ion	Exp%	Act%
179.90	100	100
181.90	97.60	80.29
144.95	30.70	11.85#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Qedit)

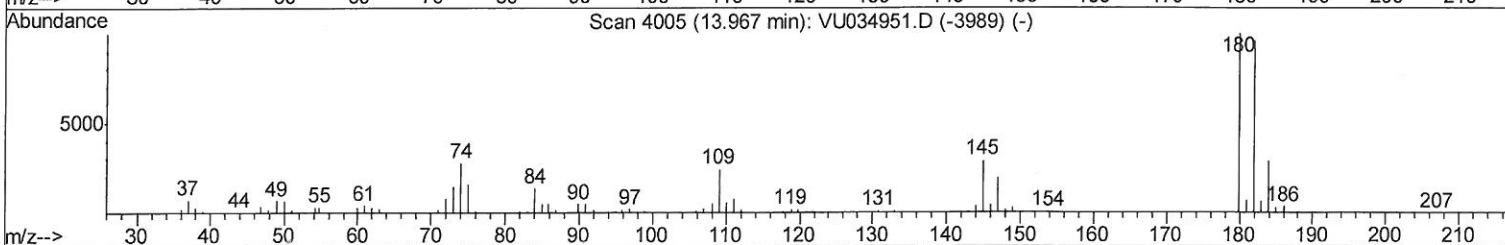
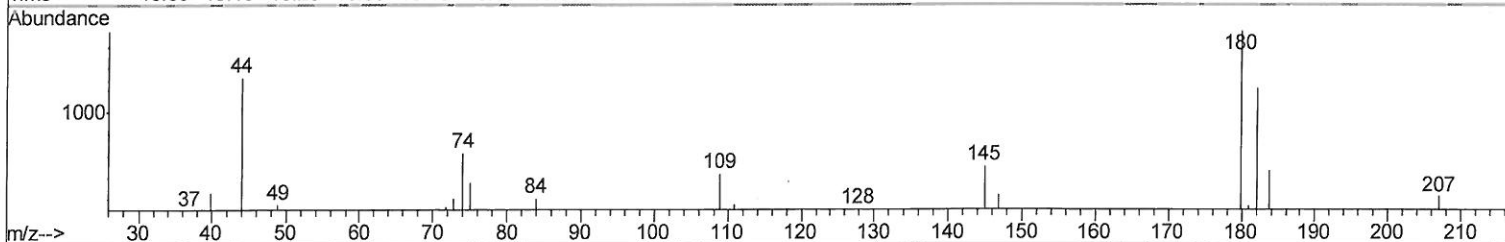
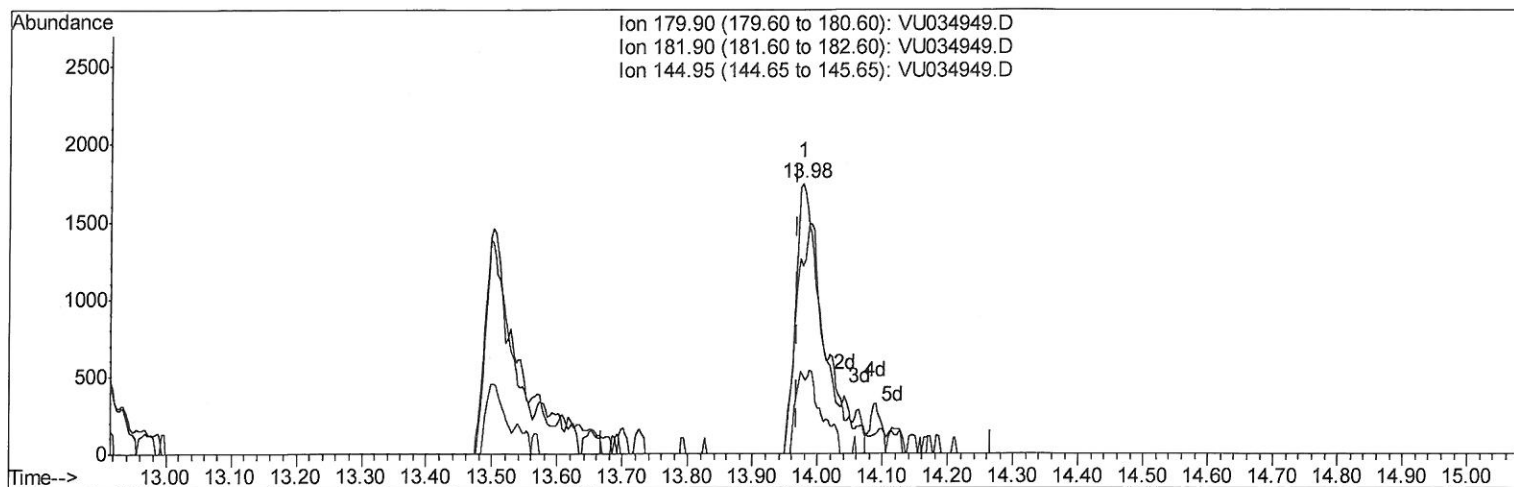
Data File : VU034949.D
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 01:50:37 2019
Response via : Initial Calibration



TIC: VU034949.D

(70) 1,2,3-Trichlorobenzene (T)

13.977min (+0.010) 0.36ug/L m

response 5251

Ion	Exp%	Act%
179.90	100	100
181.90	97.60	71.51#
144.95	30.70	10.55#
0.00	0.00	0.00

7 mg
10/15/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (QT Reviewed)

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
10/9/2019 3:03:27 PM

Quant Time: Oct 09 02:04:12 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 01:50:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	191338	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	189835	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	85820	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	5757	0.33	ug/L	0.00
7) Chloroethane-d5	1.67	69	4803	0.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	12337	0.36	ug/L	0.00
20) 2-Butanone-d5	4.19	46	14801	4.24	ug/L	0.01
24) Chloroform-d	4.62	84	10222	0.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	6557	0.45	ug/L	0.00
32) Benzene-d6	5.32	84	21185	0.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	7299	0.45	ug/L	0.00
41) Toluene-d8	7.55	98	19951	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	2296	0.36	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	9014	3.36	ug/L	0.02
57) 1,1,2,2-Tetrachloroethane-	10.41	84	6214	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	7481	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	8881	0.544 ug/L	98
3) Chloromethane	1.32	50	10441	0.557 ug/L	97
5) Vinyl chloride	1.40	62	9645	0.485 ug/L	92
6) Bromomethane	1.62	94	5160	0.420 ug/L	98
8) Chloroethane	1.69	64	5833	0.459 ug/L	98
9) Trichlorofluoromethane	1.88	101	12077	0.437 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	7185	0.467 ug/L	97
12) 1,1-Dichloroethene	2.27	96	6421	0.432 ug/L	96
13) Acetone	2.32	43	15441	5.090 ug/L	97
14) Carbon disulfide	2.47	76	21497	0.446 ug/L #	90
15) Methyl Acetate	2.61	43	4287	0.568 ug/L #	68
16) Methylene chloride	2.68	84	9443	0.522 ug/L	91
17) Methyl tert-butyl Ether	2.99	73	17075	0.439 ug/L	95
18) trans-1,2-Dichloroethene	2.96	96	6906	0.422 ug/L	92
19) 1,1-Dichloroethane	3.42	63	13977	0.542 ug/L	98
21) 2-Butanone	4.28	43	17945	4.935 ug/L	97
22) cis-1,2-Dichloroethene	4.20	96	7713	0.536 ug/L	78
23) Bromochloromethane	4.52	128	2934	0.463 ug/L #	78
25) Chloroform	4.65	83	16885	0.587 ug/L	94
27) 1,2-Dichloroethane	5.39	62	8874	0.529 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	11069	0.513 ug/L	99
30) Cyclohexane	4.97	56	11792	0.581 ug/L	95
31) Carbon tetrachloride	5.11	117	9024	0.477 ug/L	97
33) Benzene	5.37	78	29712	0.552 ug/L	100
34) Trichloroethene	6.17	95	7836	0.550 ug/L	94
35) Methylcyclohexane	6.39	83	11828	0.544 ug/L	98
37) 1,2-Dichloropropane	6.41	63	8047	0.553 ug/L #	93
38) Bromodichloromethane	6.74	83	9404	0.514 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	10090	0.489 ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	47108	5.582 ug/L	98

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Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

Manual Integrations

APPROVED

MMDadoda

10/9/2019 3:03:27 PM

Quant Time: Oct 09 02:04:12 2019

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Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Oct 09 01:50:37 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
42) Toluene	7.62	91	28613	0.496	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	7649	0.464	ug/L	93
45) 1,1,2-Trichloroethane	8.05	97	4963	0.482	ug/L	88
47) Tetrachloroethene	8.21	164	6639	0.581	ug/L	92
48) 2-Hexanone	8.36	43	31674	5.185	ug/L #	90
49) Dibromochloromethane	8.46	129	5726	0.466	ug/L	83
50) 1,2-Dibromoethane	8.58	107	4816	0.491	ug/L #	99
51) Chlorobenzene	9.10	112	20199	0.537	ug/L	95
52) Ethylbenzene	9.23	91	32325	0.522	ug/L	98
53) m,p-Xylene	9.36	106	11908	0.513	ug/L	89
54) o-Xylene	9.76	106	11347	0.511	ug/L	89
55) Styrene	9.78	104	16620	0.434	ug/L	93
56) Isopropylbenzene	10.14	105	30503	0.515	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	7130	0.539	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	5104	0.541	ug/L	97
61) Bromoform	9.94	173	3151	0.547	ug/L #	91
62) 1,3-Dichlorobenzene	11.40	146	14010	0.547	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	14593	0.546	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	13594	0.537	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	768m	0.409	ug/L	} ^{95Q} 10/15/19
67) 1,3,5-Trichlorobenzene	12.87	180	8517	0.432	ug/L	
68) 1,2,4-trichlorobenzene	13.50	180	4868m	0.312	ug/L	
69) Naphthalene	13.75	128	6131m	0.236	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	5251m	0.357	ug/L	

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