

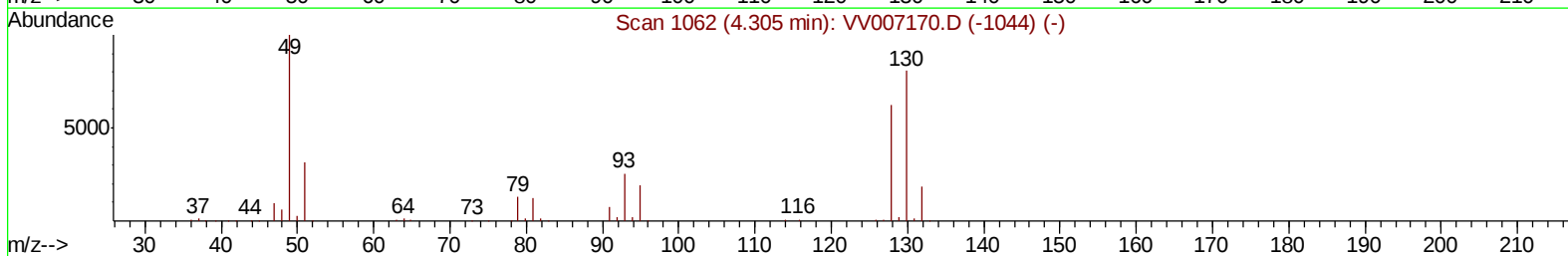
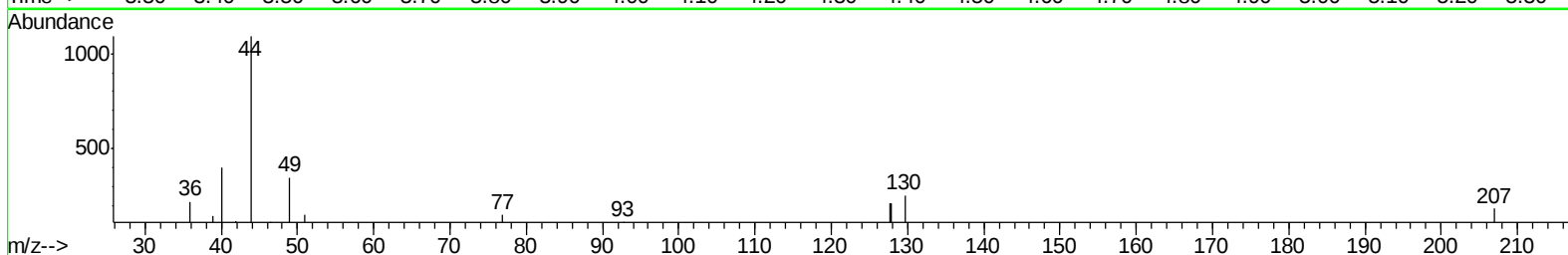
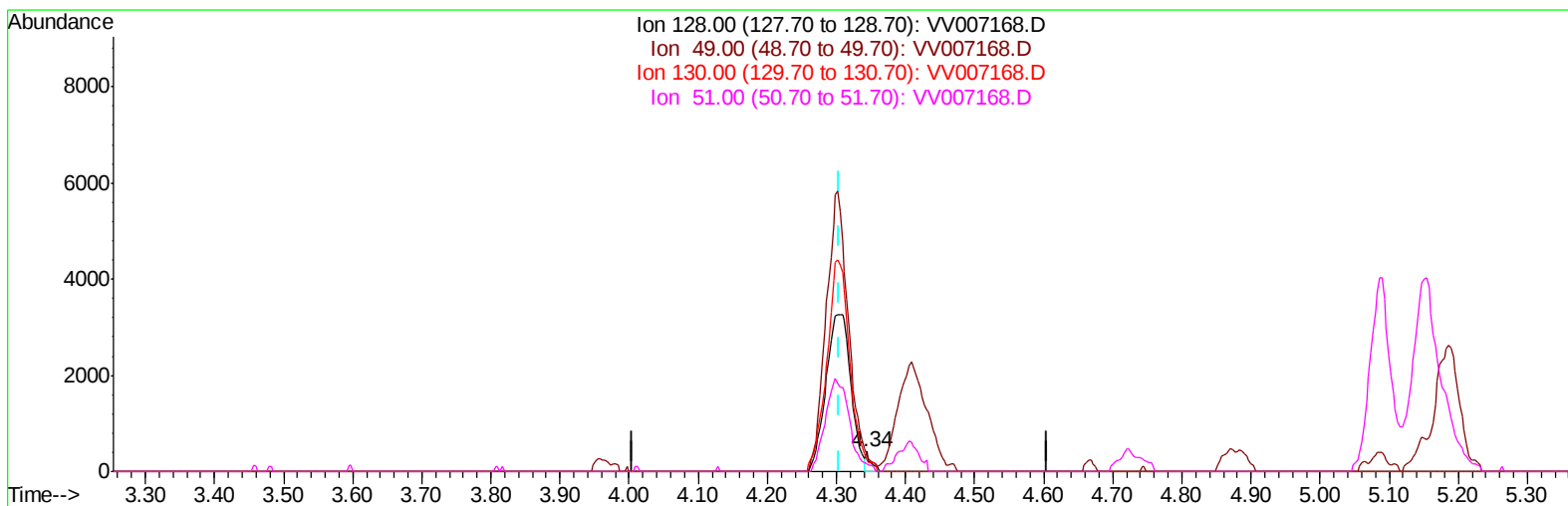
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082418\
Data File : VV007168.D
Acq On : 24 Aug 2018 14:02
Operator : SY/MD
Sample : VSTD005
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005

Manual Integrations
APPROVED

MMDadoda
8/25/2018 9:54:04 AM

Quant Time: Aug 24 23:20:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 24 23:19:26 2018
Response via : Initial Calibration



TIC: VV007168.D

(23) Bromochloromethane (T)

4.344min (+0.039) 0.10ug/L

response 228

Ion	Exp%	Act%
128.00	100	100
49.00	160.70	82.46#
130.00	129.40	59.72#
51.00	50.90	36.02#

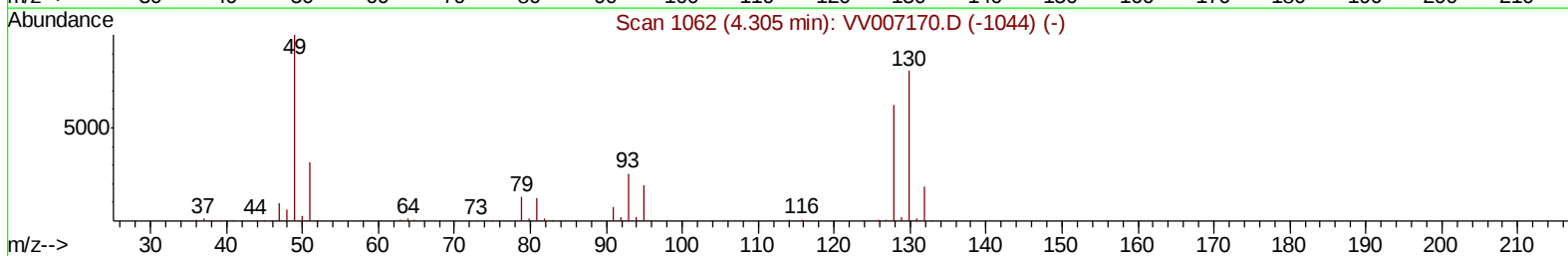
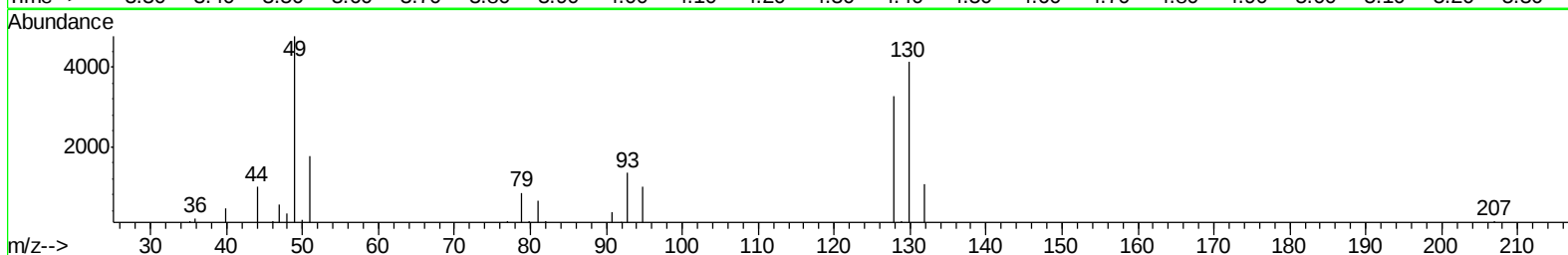
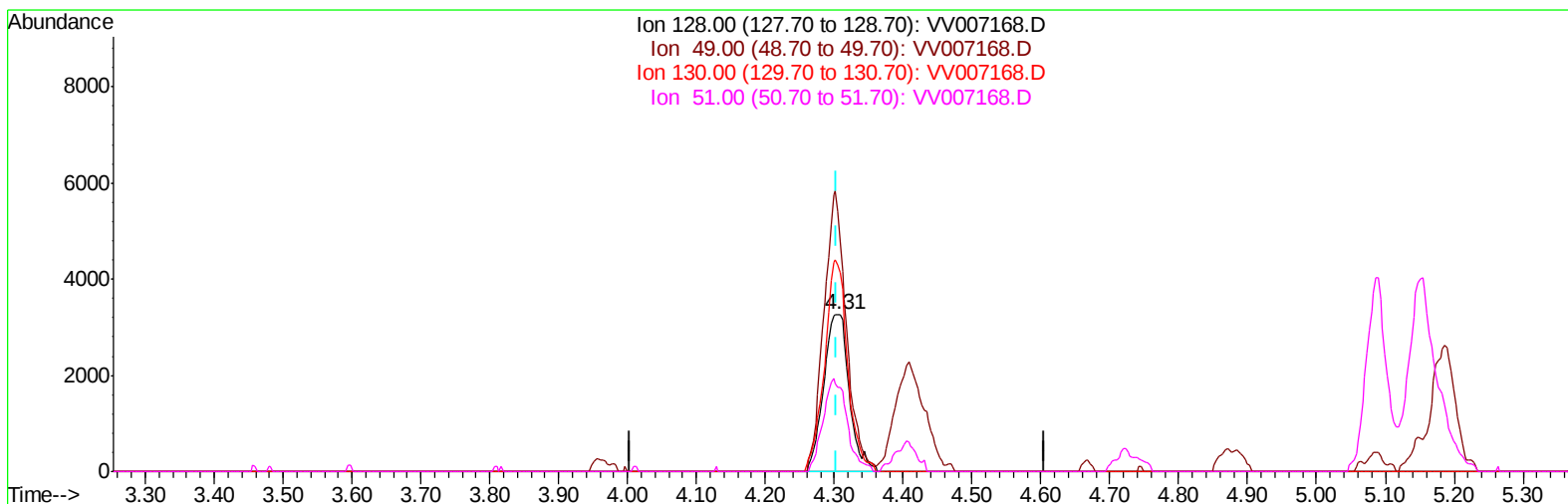
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TIC: VV007168.D

(23) Bromochloromethane (T)

4.308min (+0.003) 3.70ug/L m

response 8381

Ion	Exp%	Act%
128.00	100	100
49.00	160.70	146.36
130.00	129.40	126.47
51.00	50.90	53.79

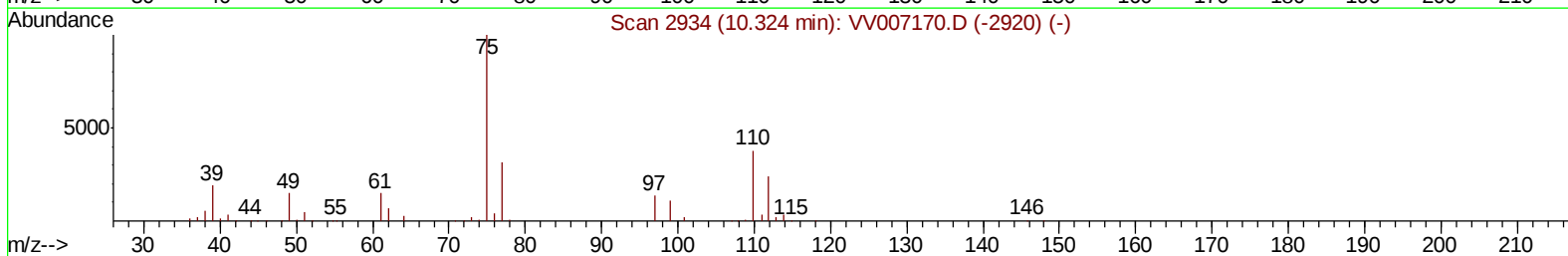
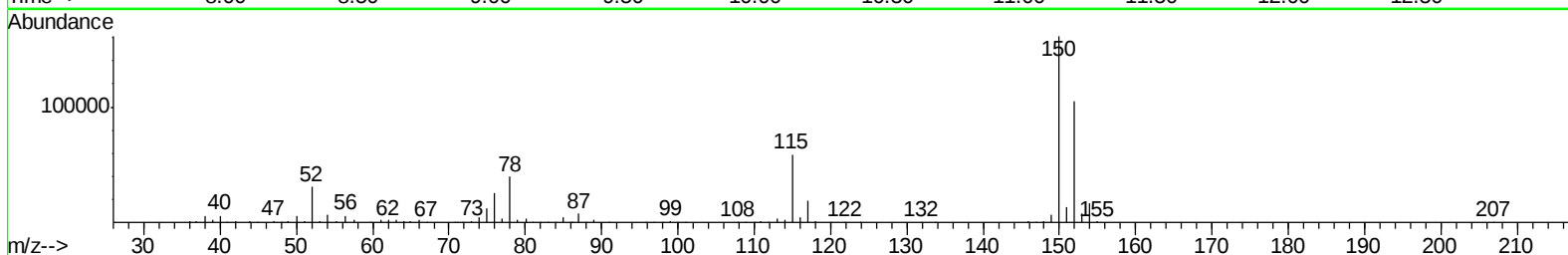
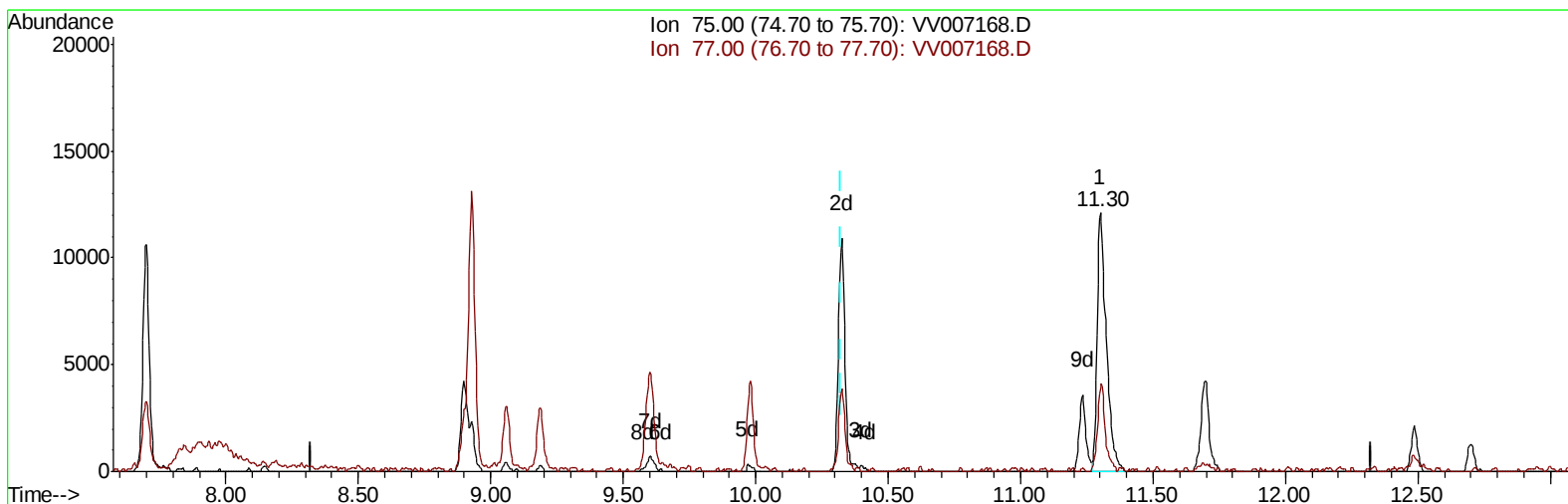
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Data File : VV007168.D
Acq On : 24 Aug 2018 14:02
Operator : SY/MD
Sample : VSTD005
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005

Manual Integrations
APPROVED

MMDadoda
8/25/2018 9:54:04 AM

Quant Time: Aug 24 23:32:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 24 23:19:26 2018
Response via : Initial Calibration



TIC: VV007168.D

(59) 1,2,3-Trichloropropane
11.302min (+0.977) 5.09ug/L
response 29184

Ion	Exp%	Act%
75.00	100	100
77.00	30.80	29.06
0.00	0.00	0.00
0.00	0.00	0.00

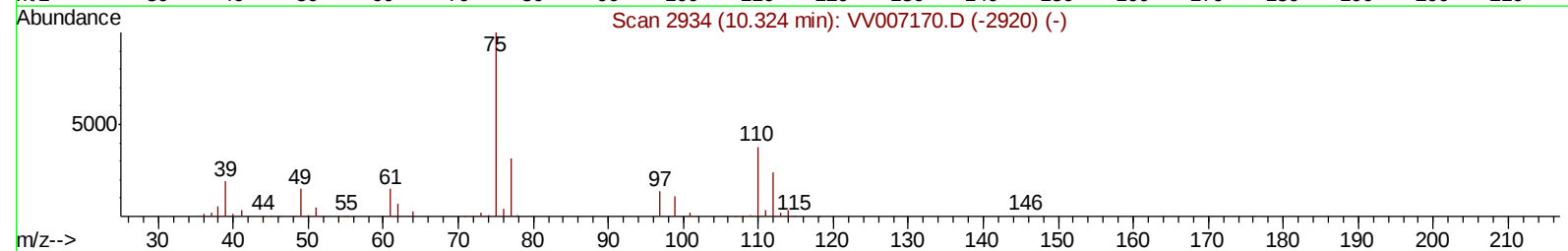
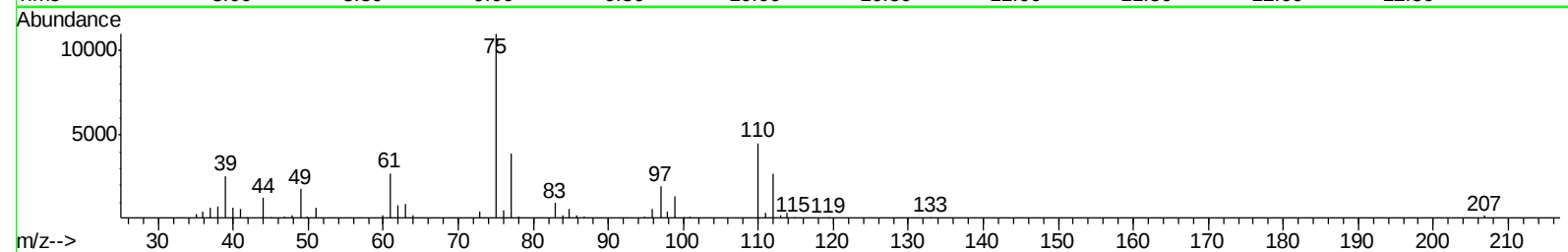
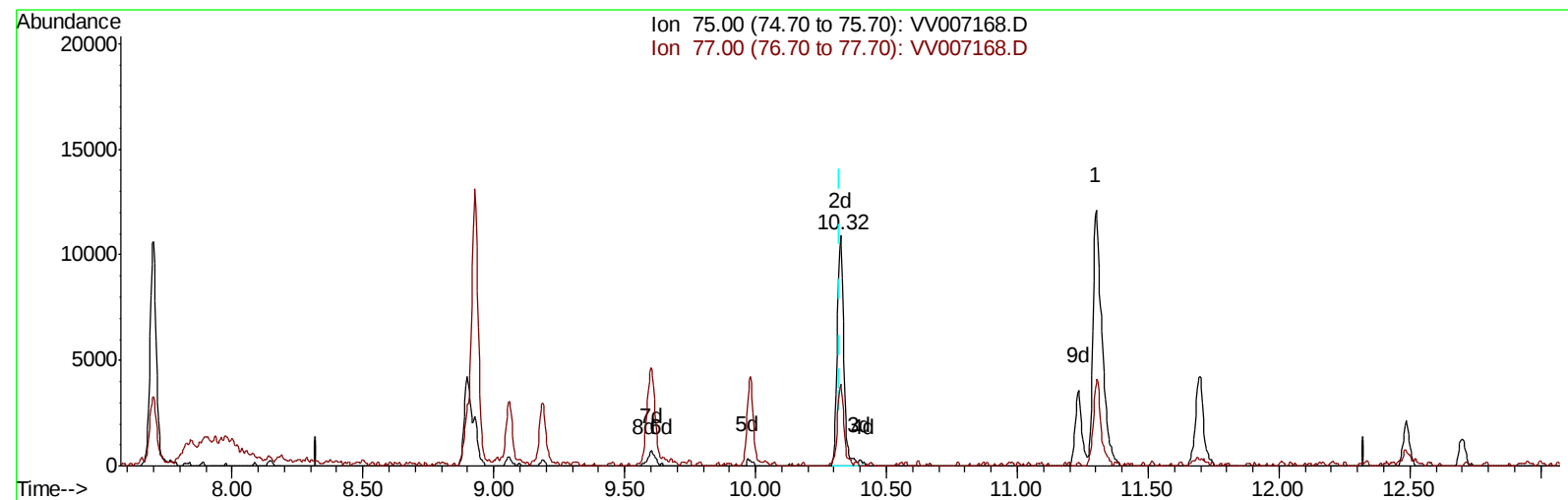
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
VSTD005

Manual Integrations
APPROVED

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8/25/2018 9:54:04 AM

Quant Time: Aug 24 23:32:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 24 23:19:26 2018
Response via : Initial Calibration



TIC: VV007168.D

(59) 1,2,3-Trichloropropane

10.324min (+0.000) 3.19ug/L m

response 18278

Ion	Exp%	Act%
75.00	100	100
77.00	30.80	46.40#
0.00	0.00	0.00
0.00	0.00	0.00

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005

Manual Integrations
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MMDadoda
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Quant Time: Aug 24 23:33:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	533780	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	497522	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	194867	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19026	5.56	ug/L	0.00
7) Chloroethane-d5	1.58	69	14497	6.36	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	31927	5.10	ug/L	0.00
21) 2-Butanone-d5	3.95	46	23006	8.16	ug/L	0.00
24) Chloroform-d	4.40	84	32692	4.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	20682	4.78	ug/L	0.00
32) Benzene-d6	5.10	84	64670	4.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	21061	4.61	ug/L	0.00
41) Toluene-d8	7.36	98	51779	4.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	9048	4.60	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	8804	5.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	26626	4.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	20290	5.19	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17409	3.660 ug/L	95
3) Chloromethane	1.25	50	24558	4.067 ug/L	97
5) Vinyl chloride	1.32	62	18641	3.748 ug/L	98
6) Bromomethane	1.52	94	5913	4.573 ug/L	97
8) Chloroethane	1.59	64	10795	3.932 ug/L	98
9) Trichlorofluoromethane	1.77	101	22094	3.659 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13609	3.697 ug/L	97
12) 1,1-Dichloroethene	2.14	96	13959	3.979 ug/L	85
13) Acetone	2.19	43	20051	9.225 ug/L	99
14) Carbon disulfide	2.32	76	43811	4.094 ug/L	97
15) Methyl Acetate	2.46	43	13793	3.458 ug/L	93
16) Methylene chloride	2.54	84	15149	3.758 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	14757	3.888 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	40975	3.532 ug/L	97
19) 1,1-Dichloroethane	3.23	63	27274	3.487 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	16750	3.784 ug/L	96
22) 2-Butanone	4.03	43	23240	6.765 ug/L	96
23) Bromochloromethane	4.31	128	8381m	3.695 ug/L	
25) Chloroform	4.43	83	27802	3.626 ug/L	92
27) 1,2-Dichloroethane	5.19	62	20019	3.456 ug/L	# 91
29) Cyclohexane	4.72	56	18968	3.073 ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	21081	3.379 ug/L	97
31) Carbon tetrachloride	4.88	117	17797	3.384 ug/L	94
33) Benzene	5.15	78	54742	3.261 ug/L	100
34) Trichloroethene	5.96	95	15157	3.780 ug/L	96
35) Methylcyclohexane	6.18	83	20120	3.142 ug/L	97
37) 1,2-Dichloropropane	6.23	63	15742	3.514 ug/L	# 90
38) Bromodichloromethane	6.56	83	19133	3.569 ug/L	# 97
39) cis-1,3-Dichloropropene	7.08	75	20698	3.414 ug/L	93
40) 4-Methyl-2-pentanone	7.28	43	29552	5.451 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	49876	3.073	ug/L	94
44) trans-1,3-Dichloropropene	7.70	75	18178	3.227	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	14453	3.460	ug/L	95
46) Tetrachloroethene	8.02	164	12135	3.718	ug/L	96
48) 2-Hexanone	8.19	43	25155	5.849	ug/L	91
49) Dibromochloromethane	8.29	129	14613	3.477	ug/L	93
50) 1,2-Dibromoethane	8.40	107	13682	3.315	ug/L	94
51) Chlorobenzene	8.93	112	38096	3.538	ug/L	96
52) Ethylbenzene	9.06	91	50317	3.049	ug/L	96
53) m,p-Xylene	9.19	106	18781	2.975	ug/L	95
54) o-xylene	9.59	106	17113	2.802	ug/L	100
55) Styrene	9.61	104	25970	2.466	ug/L	92
56) Isopropylbenzene	9.98	105	43071	2.789	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	22520	3.156	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	18278m	3.187	ug/L	
61) Bromoform	9.78	173	9262	3.534	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	24363	3.883	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	26498	3.984	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	25239	3.683	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3567	3.694	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.70	180	15059	3.473	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	9800	3.307	ug/L	94
69) Naphthalene	13.56	128	31508	3.930	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	10905	3.390	ug/L	96

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

