

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009799.D
 Acq On : 07 Apr 2019 05:20
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:52:00 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Sun Apr 07 05:36:41 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	475165	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	461612	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	227566	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	141408	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.96%
7) Chloroethane-d5	2.89	69	136140	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
10) 1,1-Dichloroethene-d2	4.01	63	329369	24.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.52%
20) 2-Butanone-d5	7.07	46	118480	58.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.38%
24) Chloroform-d	7.64	84	355675	27.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.72%
26) 1,2-Dichloroethane-d4	8.31	65	221329	27.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.20%
29) Benzene-d6	8.27	84	663332	27.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.48%
33) 1,2-Dichloropropane-d6	9.27	67	205224	27.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.68%
37) Toluene-d8	10.32	98	610661	27.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.04%
38) trans-1,3-Dichloropropene-	10.57	79	91232	25.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.24%
39) 2-Hexanone-d5	10.93	63	85707	60.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	195897	28.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	215043	26.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	145170	23.193 ug/L	94
3) Chloromethane	2.21	50	142996	22.106 ug/L	97
5) Vinyl chloride	2.37	62	179544	21.639 ug/L	96
6) Bromomethane	2.78	94	125438	21.848 ug/L	100
8) Chloroethane	2.93	64	121899	22.384 ug/L	97
9) Trichlorofluoromethane	3.25	101	97412	19.138 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	150418	22.720 ug/L	94
12) 1,1-Dichloroethene	4.03	96	151064	23.936 ug/L	95
13) Acetone	4.12	43	95439	44.121 ug/L	100
14) Carbon disulfide	4.38	76	440780	22.469 ug/L	99
15) Methyl Acetate	4.67	43	112094	28.421 ug/L	98
16) Methylene chloride	4.91	84	178193	21.264 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	249112	28.653 ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	163262	24.874 ug/L	98
19) 1,1-Dichloroethane	6.21	63	332449	26.393 ug/L	99
21) 2-Butanone	7.17	43	142927	51.953 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	186699	26.596 ug/L	98

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:52:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 05:36:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	87089	27.041	ug/L	97
25) Chloroform	7.67	83	349646	26.501	ug/L	99
27) 1,2-Dichloroethane	8.40	62	270650	27.122	ug/L	96
30) Cyclohexane	7.95	56	265475	24.366	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	259514	24.782	ug/L	98
32) Carbon tetrachloride	8.06	117	254102	24.203	ug/L	100
34) Benzene	8.32	78	723109	26.036	ug/L	100
35) Trichloroethene	9.09	95	184152	25.336	ug/L	99
36) Methylcyclohexane	9.33	83	294362	24.634	ug/L	100
40) 1,2-Dichloropropane	9.37	63	189265	26.622	ug/L	99
41) Bromodichloromethane	9.64	83	261669	26.674	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	280478	25.465	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	315681	57.163	ug/L	99
44) Toluene	10.38	91	780997	26.545	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	245564	25.860	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	146540	27.461	ug/L	96
47) Tetrachloroethene	10.86	164	135974	23.753	ug/L	98
49) 2-Hexanone	10.97	43	221997	53.988	ug/L	99
50) Dibromochloromethane	11.13	129	177345	27.051	ug/L	99
51) 1,2-Dibromoethane	11.23	107	144663	27.048	ug/L	99
52) Chlorobenzene	11.66	112	489090	25.826	ug/L	99
53) Ethylbenzene	11.73	91	878311	26.207	ug/L	99
54) m,p-Xylene	11.84	106	326208	26.316	ug/L	98
55) o-xylene	12.16	106	315796	26.749	ug/L	97
56) Styrene	12.18	104	563255	27.496	ug/L	99
57) Isopropylbenzene	12.46	105	853289	26.396	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	199810	27.845	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	150745	28.221	ug/L	100
62) Bromoform	12.35	173	107680	26.912	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	360397	25.601	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	378209	25.195	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	361541	26.845	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	35740	27.263	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	252751	24.198	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	203370	24.245	ug/L	98
69) Naphthalene	15.37	128	491898	29.177	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	206363	26.299	ug/L	98

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009804.D
 Acq On : 07 Apr 2019 14:04
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Apr 08 00:52:04 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Sun Apr 07 05:36:41 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	457499	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	453385	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232409	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88753	14.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.28%
7) Chloroethane-d5	2.89	69	90812	16.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.24%
10) 1,1-Dichloroethene-d2	4.01	63	241465	18.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.00%
20) 2-Butanone-d5	7.08	46	101046	51.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.96%
24) Chloroform-d	7.64	84	263006	21.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.28%
26) 1,2-Dichloroethane-d4	8.30	65	164277	21.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.72%
29) Benzene-d6	8.27	84	459019	19.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.16%
33) 1,2-Dichloropropane-d6	9.27	67	147175	20.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.08%
37) Toluene-d8	10.32	98	415548	18.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.52%
38) trans-1,3-Dichloropropene-	10.58	79	71898	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.04%
39) 2-Hexanone-d5	10.93	63	72851	52.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	159500	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	161763	19.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.36%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	124942	20.732	ug/L	92
3) Chloromethane	2.21	50	134647	21.619	ug/L	99
5) Vinyl chloride	2.37	62	164673	20.613	ug/L	98
6) Bromomethane	2.78	94	120877	21.867	ug/L	99
8) Chloroethane	2.92	64	114481	21.834	ug/L	96
9) Trichlorofluoromethane	3.25	101	97666	19.929	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	136141	21.357	ug/L	93
12) 1,1-Dichloroethene	4.03	96	137436	22.618	ug/L	91
13) Acetone	4.12	43	124960	60.000	ug/L	99
14) Carbon disulfide	4.37	76	417723	22.116	ug/L	99
15) Methyl Acetate	4.67	43	106481	28.040	ug/L	98
16) Methylene chloride	4.91	84	163627	20.280	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	230986	27.594	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	152397	24.115	ug/L	97
19) 1,1-Dichloroethane	6.21	63	304389	25.099	ug/L	97
21) 2-Butanone	7.17	43	156362	59.032	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	171423	25.363	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009804.D
 Acq On : 07 Apr 2019 14:04
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:52:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 05:36:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	81664	26.336	ug/L	94
25) Chloroform	7.67	83	321727	25.326	ug/L	99
27) 1,2-Dichloroethane	8.40	62	259361	26.994	ug/L	99
30) Cyclohexane	7.95	56	231412	21.625	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	237954	23.136	ug/L	99
32) Carbon tetrachloride	8.06	117	226423	21.958	ug/L	99
34) Benzene	8.32	78	651884	23.898	ug/L	100
35) Trichloroethene	9.09	95	165330	23.160	ug/L	99
36) Methylcyclohexane	9.34	83	249672	21.273	ug/L	99
40) 1,2-Dichloropropane	9.37	63	176088	25.218	ug/L	99
41) Bromodichloromethane	9.64	83	242152	25.133	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	275450	25.463	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	304755	56.186	ug/L	100
44) Toluene	10.38	91	707570	24.486	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	247880	26.578	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	139703	26.654	ug/L	98
47) Tetrachloroethene	10.86	164	126411	22.483	ug/L	98
49) 2-Hexanone	10.97	43	237528	58.813	ug/L	100
50) Dibromochloromethane	11.13	129	163967	25.464	ug/L	98
51) 1,2-Dibromoethane	11.23	107	136386	25.963	ug/L	98
52) Chlorobenzene	11.66	112	451969	24.299	ug/L	98
53) Ethylbenzene	11.73	91	799732	24.295	ug/L	100
54) m,p-Xylene	11.84	106	295348	24.259	ug/L	98
55) o-xylene	12.16	106	287101	24.760	ug/L	100
56) Styrene	12.18	104	515055	25.600	ug/L	100
57) Isopropylbenzene	12.46	105	761259	23.976	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	189516	26.890	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	143118	27.279	ug/L	98
62) Bromoform	12.35	173	101178	24.760	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	342714	23.838	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	363945	23.739	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	338218	24.590	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34559	25.813	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	258107	24.196	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	211508	24.690	ug/L	99
69) Naphthalene	15.37	128	471058	27.358	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	211275	26.364	ug/L	99

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

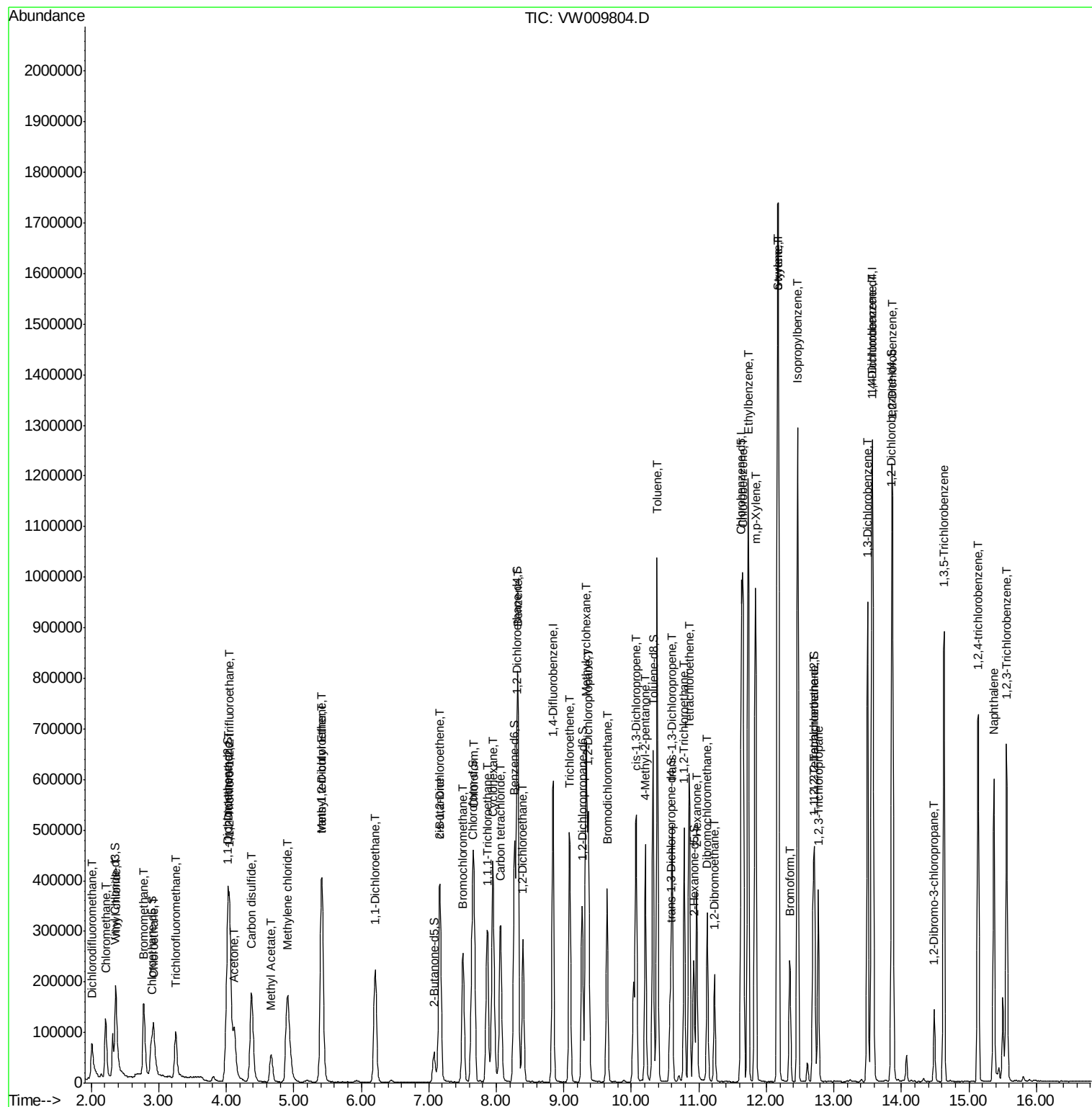
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009804.D
Acq On : 07 Apr 2019 14:04
Operator : SY/VA
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Instrument :
MSVOA_W
ClientSampled :
VBLK27

Manual Integrations
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MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Sun Apr 07 05:36:41 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009800.D
 Acq On : 07 Apr 2019 10:36
 Operator : SY/VA
 Sample : VW0406SBL04
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:34 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 08 00:51:56 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	405049	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	167159	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	69293	14.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.96%
7) Chloroethane-d5	2.89	69	77867	17.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.84%
10) 1,1-Dichloroethene-d2	4.01	63	137382	13.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.48%
20) 2-Butanone-d5	7.07	46	95296	60.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.60%
24) Chloroform-d	7.64	84	259252	25.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.16%
26) 1,2-Dichloroethane-d4	8.30	65	188826	30.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.20%
29) Benzene-d6	8.27	84	457223	21.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.00%
33) 1,2-Dichloropropane-d6	9.27	67	160961	24.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.04%
37) Toluene-d8	10.32	98	402956	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.00%
38) trans-1,3-Dichloropropene-	10.57	79	60400	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.12%
39) 2-Hexanone-d5	10.93	63	38145	30.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	166205	27.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	160344	27.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.36%

Target Compounds					Qvalue
13) Acetone	4.12	43	4695	2.773 ug/L	87
15) Methyl Acetate	4.67	43	29086	9.420 ug/L	97
16) Methylene chloride	4.92	84	12514	1.908 ug/L	94

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

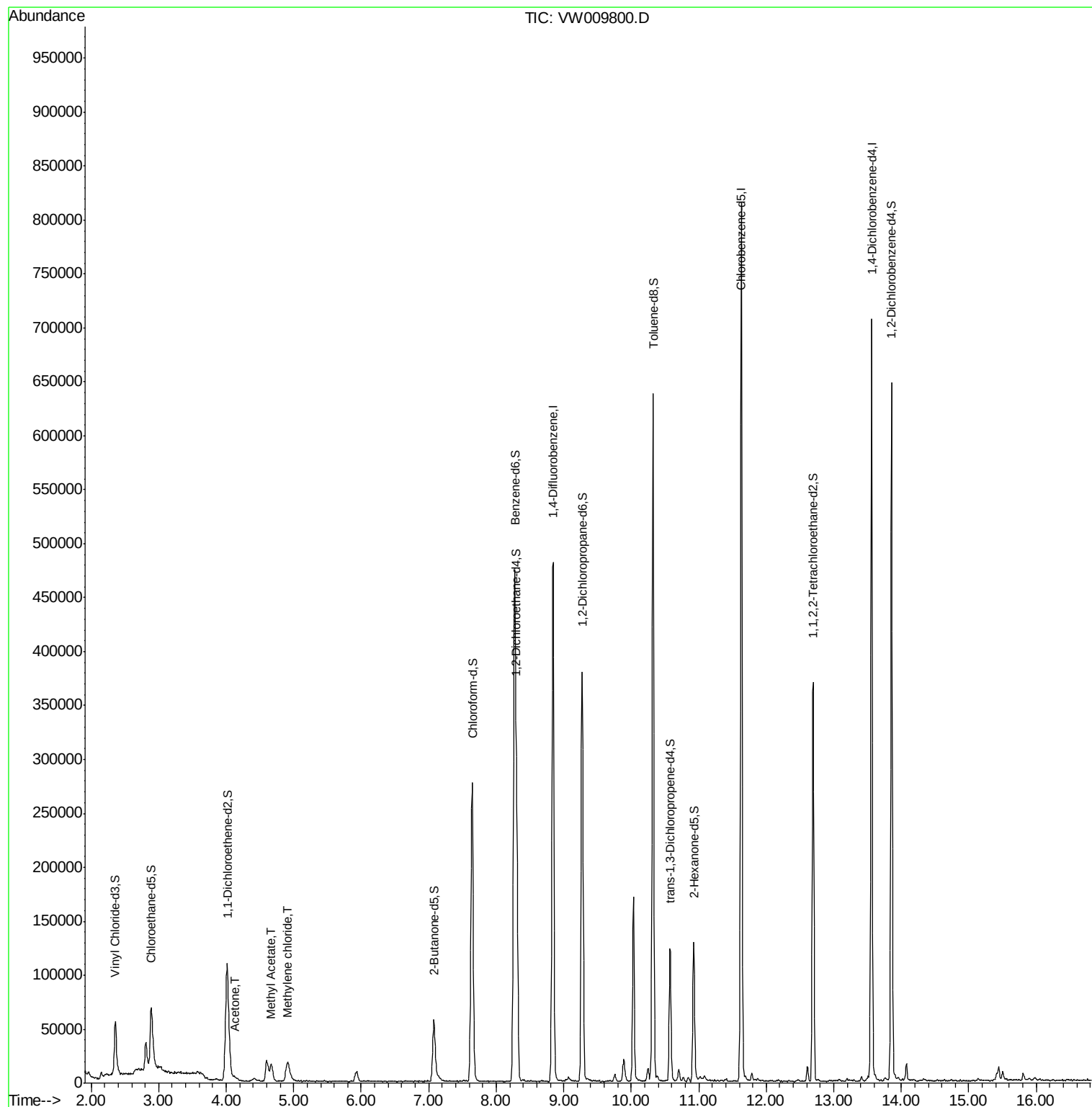
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009800.D
Acq On : 07 Apr 2019 10:36
Operator : SY/VA
Sample : VW0406SBL04
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

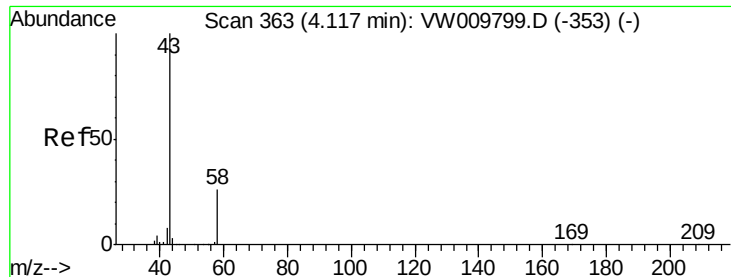
Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 00:51:56 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.773 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009800.D

Acq: 07 Apr 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

VBLK27

Tgt Ion: 43 Resp: 4695

Ion Ratio Lower Upper

43 100

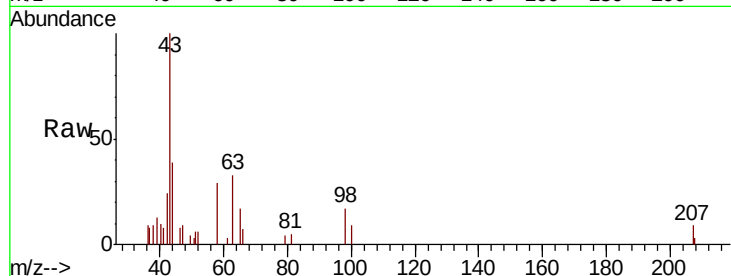
58 19.7 0.0 53.0

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:43:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

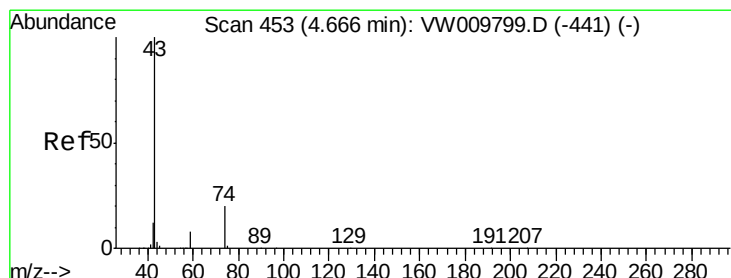
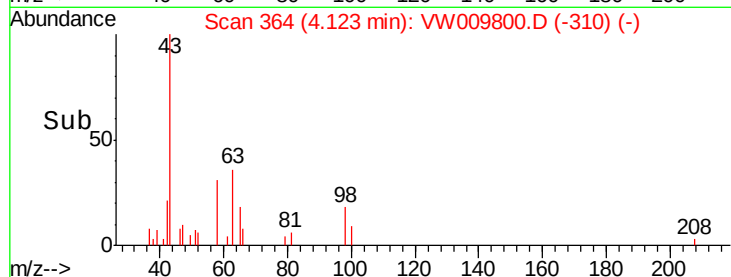
1500

1000

500

0

Time-->



#15

Methyl Acetate

Concen: 9.420 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009800.D

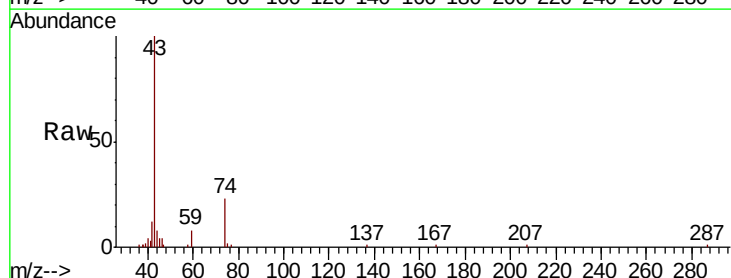
Acq: 07 Apr 2019 10:36

Tgt Ion: 43 Resp: 29086

Ion Ratio Lower Upper

43 100

74 20.0 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

10000

8000

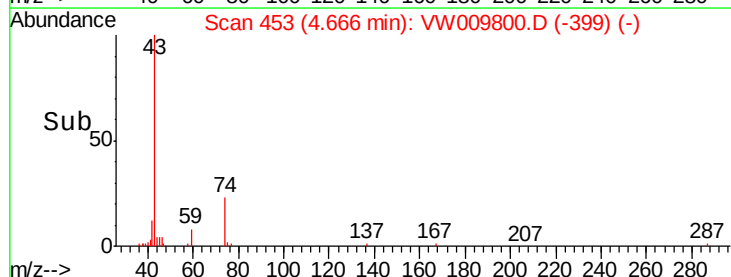
6000

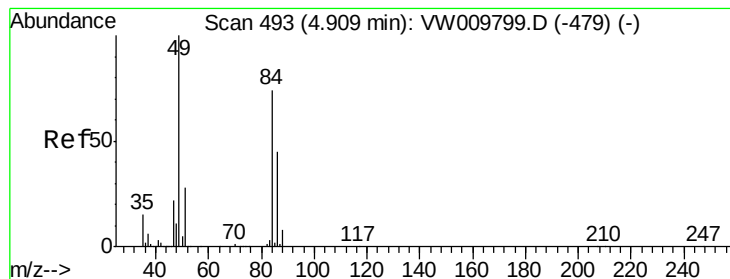
4000

2000

0

Time-->





#16

Methylene chloride

Concen: 1.908 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009800.D

Acq: 07 Apr 2019 10:36

Instrument :

MSVOA_W

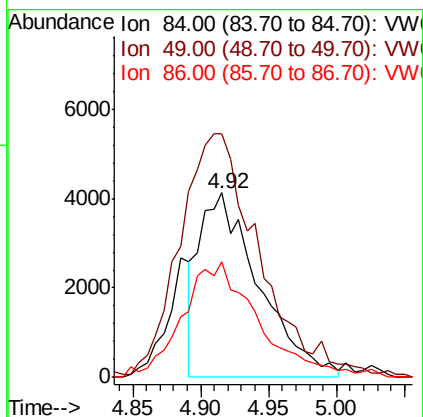
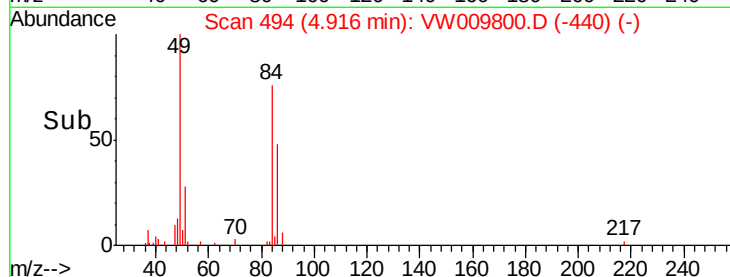
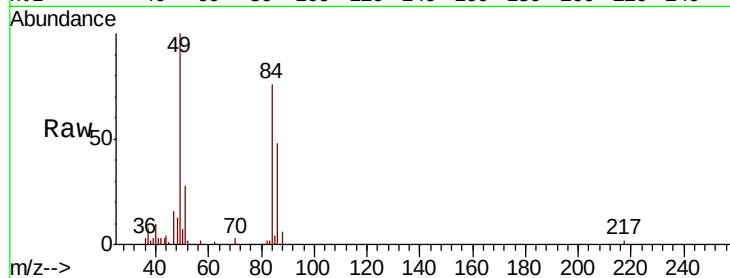
ClientSampled :

VBLK27

Tgt Ion:	84	Resp:	12514
Ion Ratio	Lower	Upper	
84	100		
49	132.0	98.3	182.5
86	62.9	46.4	86.2

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009801.D
 Acq On : 07 Apr 2019 11:13
 Operator : SY/VA
 Sample : k2168-18
 Misc : 4.89G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 00:51:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	288508	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	303369	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	114150	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	40348	10.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	42.76%
7) Chloroethane-d5	2.89	69	59868	17.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.24%
10) 1,1-Dichloroethene-d2	4.01	63	90374	11.13	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	44.52%#
20) 2-Butanone-d5	7.07	46	72389	59.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.10%
24) Chloroform-d	7.64	84	224068	28.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.84%
26) 1,2-Dichloroethane-d4	8.30	65	155834	32.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	128.96%
29) Benzene-d6	8.27	84	372011	23.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.44%
33) 1,2-Dichloropropane-d6	9.27	67	140866	28.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.56%
37) Toluene-d8	10.32	98	314749	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.52%
38) trans-1,3-Dichloropropene-	10.57	79	51456	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.72%
39) 2-Hexanone-d5	10.93	63	44145	47.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109934	24.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	110579	27.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.44%

Target Compounds

					Qvalue
13) Acetone	4.12	43	18369	13.986	ug/L 99
14) Carbon disulfide	4.37	76	4644	0.390	ug/L 97
16) Methylene chloride	4.90	84	11197	2.201	ug/L 90
21) 2-Butanone	7.18	43	3373	2.019	ug/L 92
25) Chloroform	7.66	83	3647	0.455	ug/L # 58
53) Ethylbenzene	11.73	91	7791	0.354	ug/L 96
54) m,p-Xylene	11.83	106	13463	1.653	ug/L 98
55) o-xylene	12.16	106	7530	0.971	ug/L 98

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

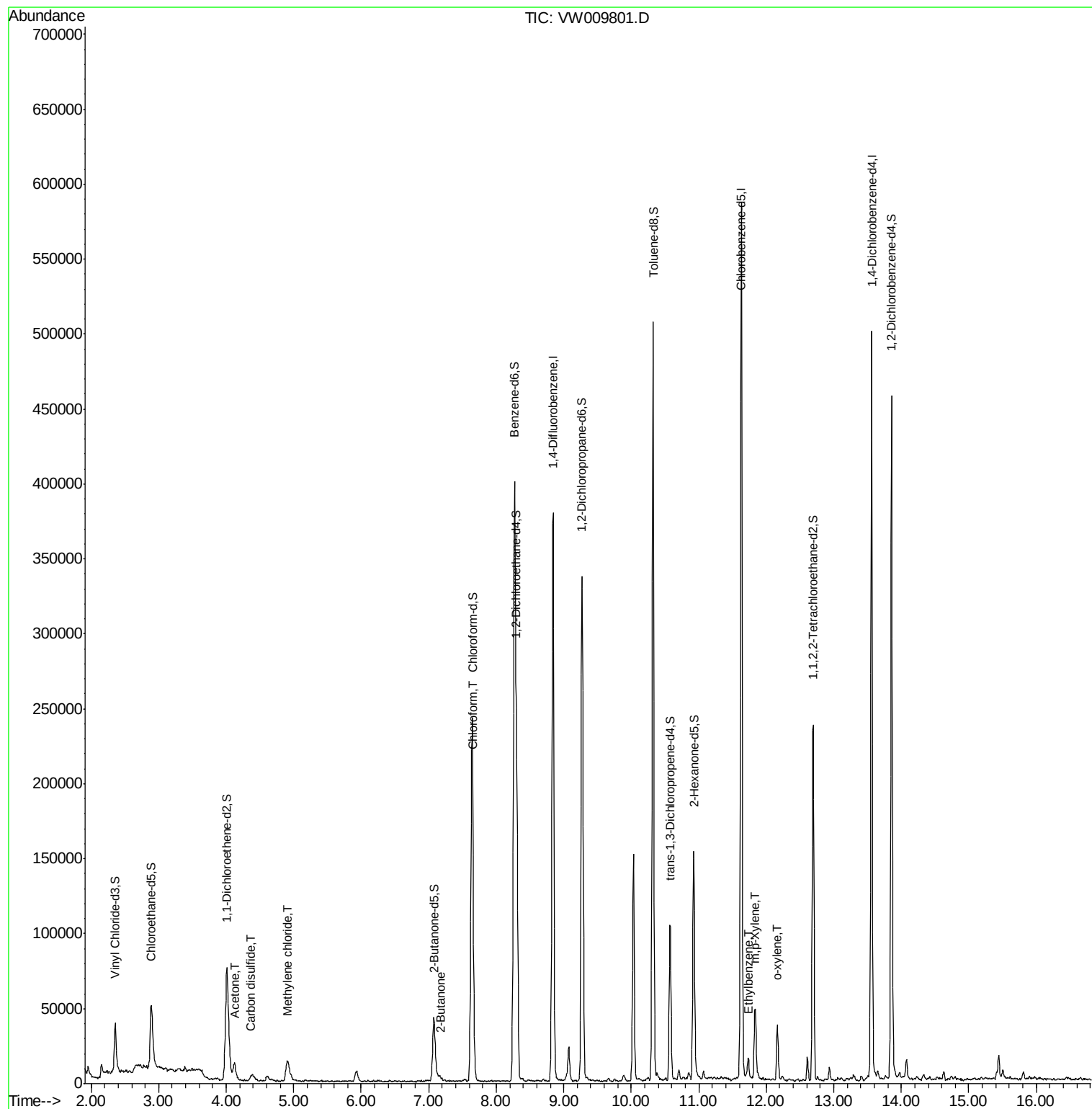
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009801.D
Acq On : 07 Apr 2019 11:13
Operator : SY/VA
Sample : k2168-18
Misc : 4.89G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

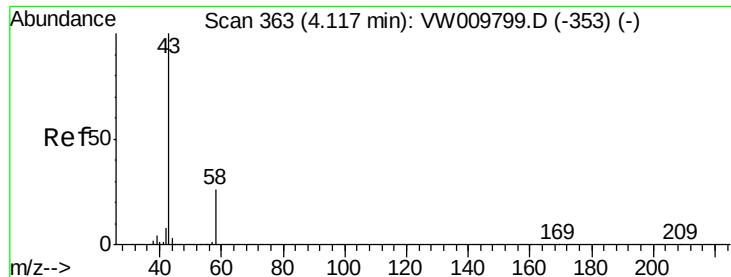
Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 00:51:56 2019
Response via : Initial Calibration





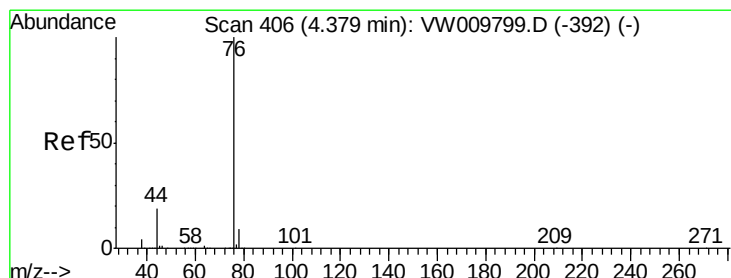
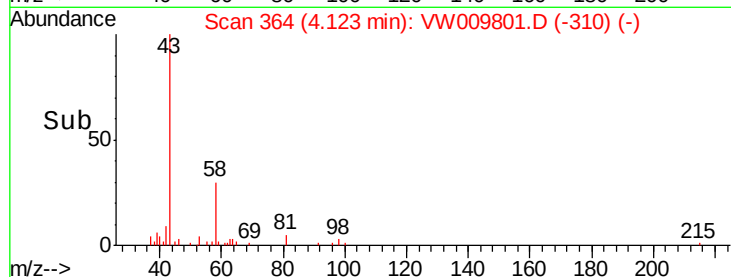
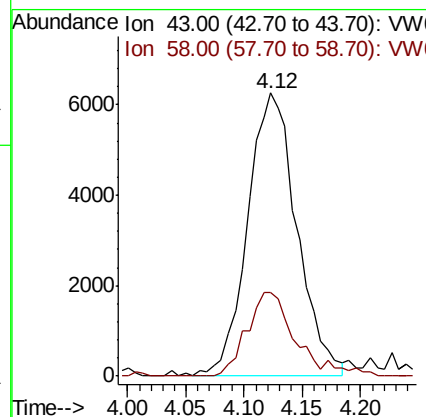
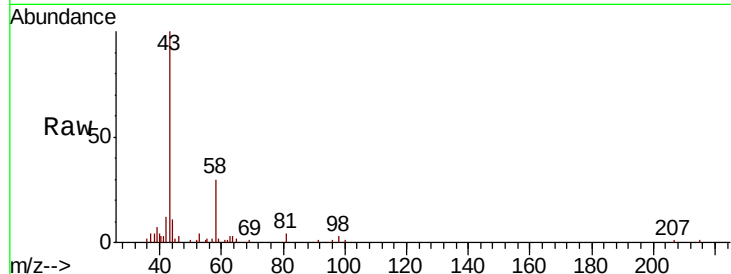
#13
Acetone
Concen: 13.986 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW009801.D
Acq: 07 Apr 2019 11:13

Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Tgt Ion: 43 Resp: 18369
Ion Ratio Lower Upper
43 100
58 27.0 0.0 53.0

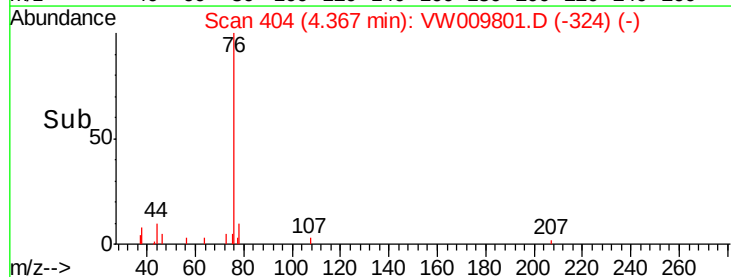
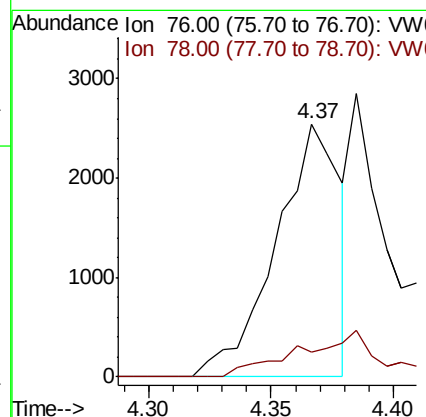
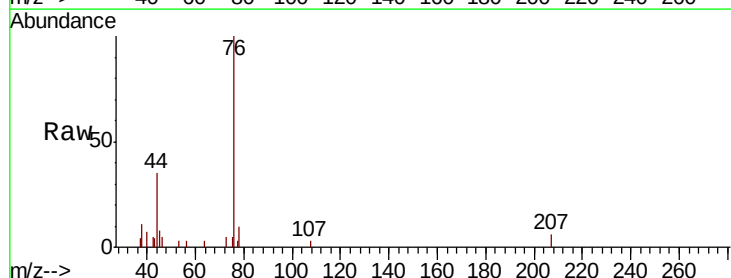
Manual Integrations
APPROVED

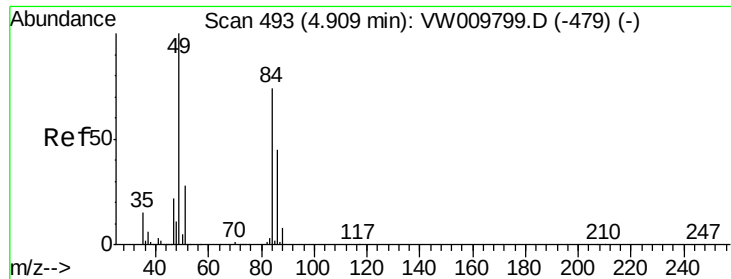
MMDadoda
4/11/2019 11:43:28 AM



#14
Carbon disulfide
Concen: 0.390 ug/L
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW009801.D
Acq: 07 Apr 2019 11:13

Tgt Ion: 76 Resp: 4644
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9





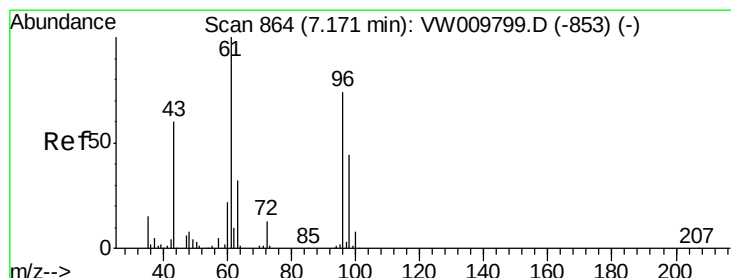
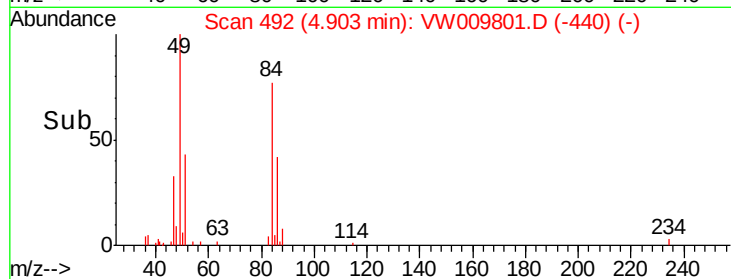
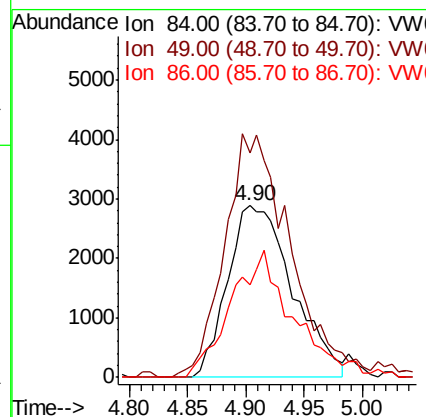
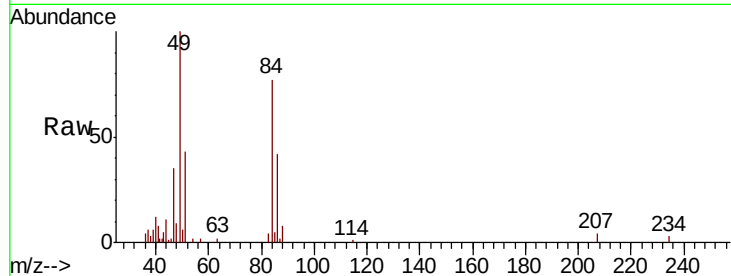
#16
Methylene chloride
Concen: 2.201 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009801.D
Acq: 07 Apr 2019 11:13

Instrument :
MSVOA_W
ClientSampled :
VBLK27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.4	98.3	182.5
86	54.2	46.4	86.2

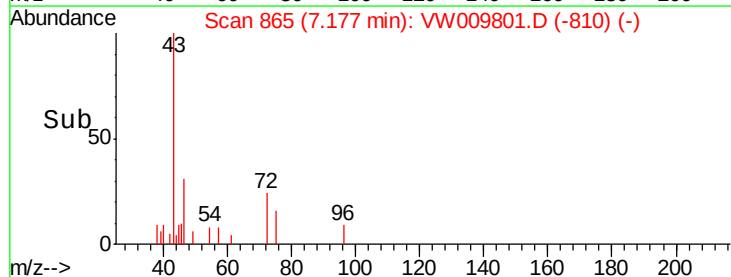
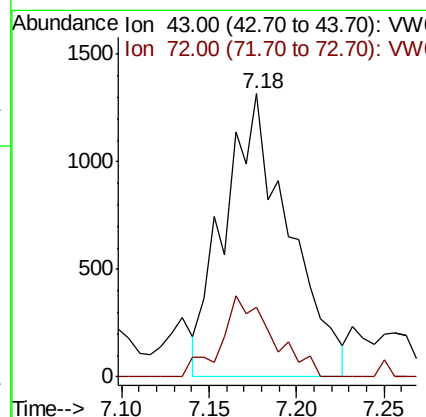
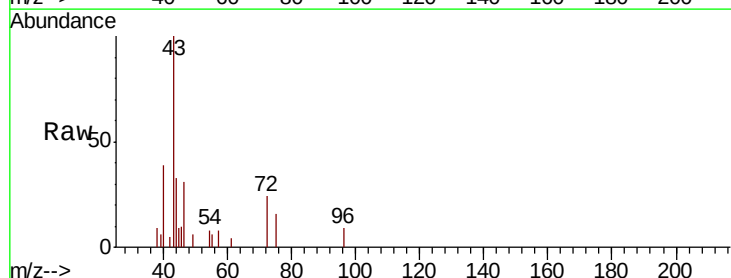
Manual Integrations
APPROVED

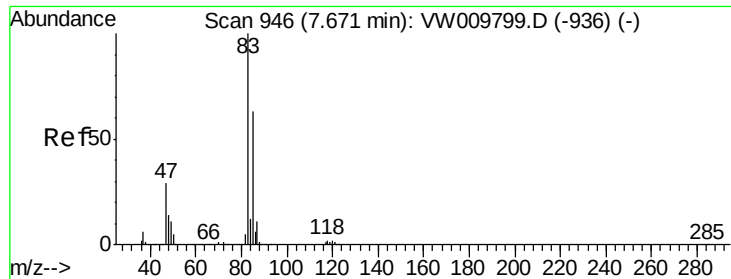
MMDadoda
4/11/2019 11:43:28 AM



#21
2-Butanone
Concen: 2.019 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW009801.D
Acq: 07 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.0	12.0	36.1





#25

Chloroform

Concen: 0.455 ug/L

RT: 7.66 min Scan# 944

Delta R.T. -0.01 min

Lab File: VW009801.D

Acq: 07 Apr 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

VBLK27

Tgt Ion: 83 Resp: 3647

Ion Ratio Lower Upper

83 100

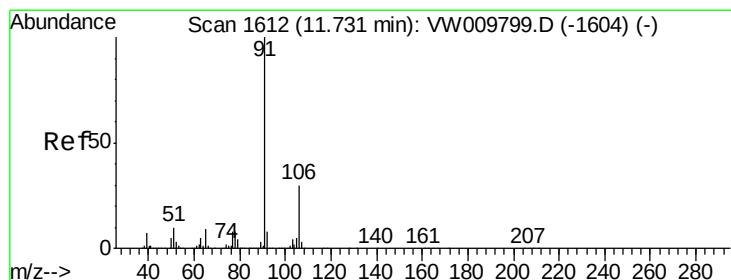
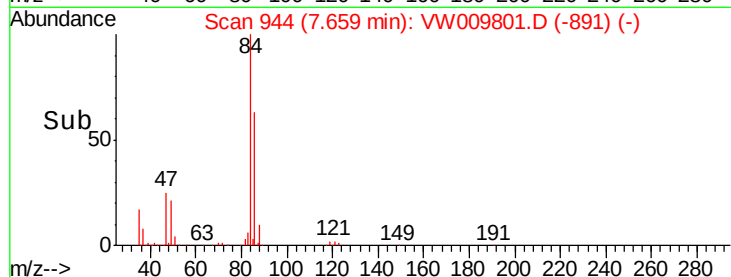
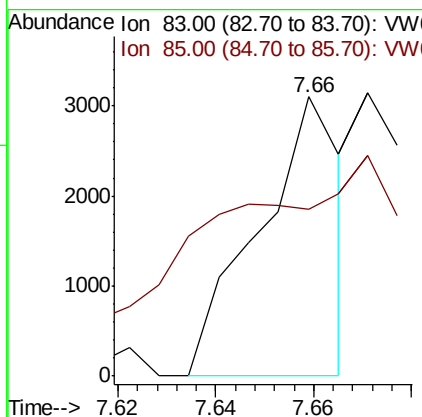
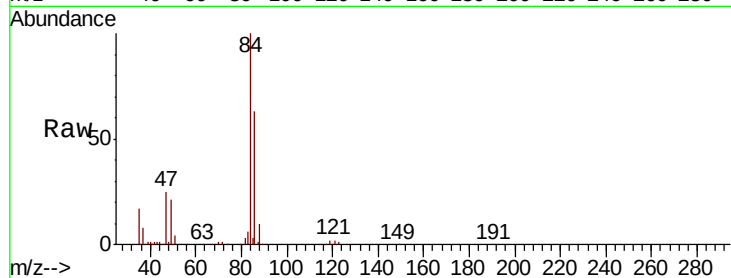
85 98.0 45.6 84.8#

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:43:28 AM



#53

Ethylbenzene

Concen: 0.354 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009801.D

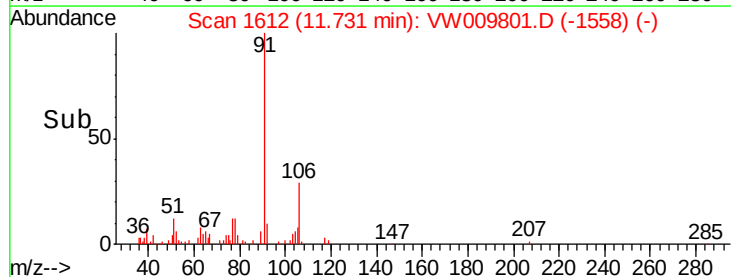
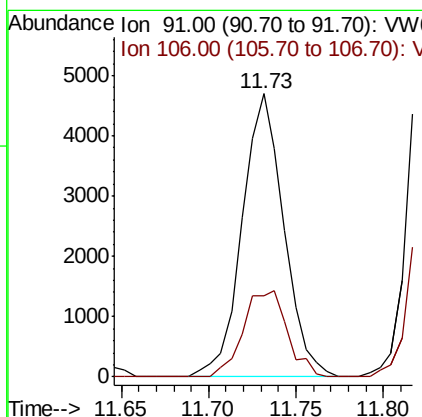
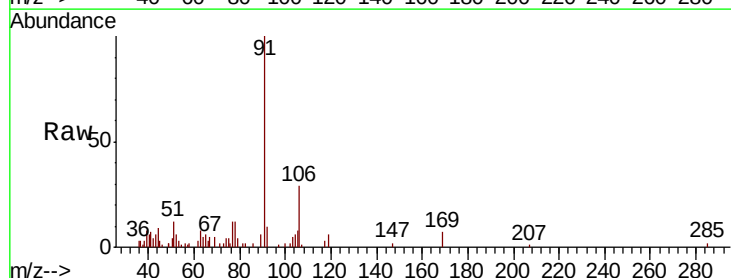
Acq: 07 Apr 2019 11:13

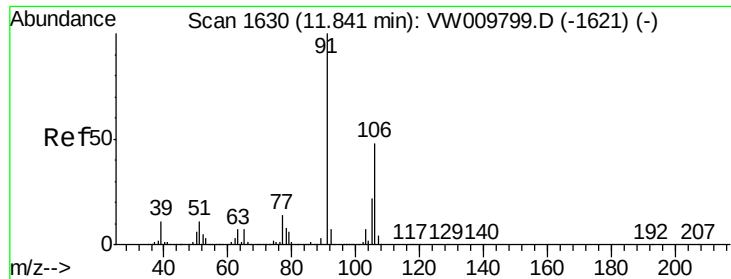
Tgt Ion: 91 Resp: 7791

Ion Ratio Lower Upper

91 100

106 28.7 21.5 39.9





#54

m,p-Xylene

Concen: 1.653 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009801.D

Acq: 07 Apr 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

VBLK27

Tgt Ion:106 Resp: 13463

Ion Ratio Lower Upper

106 100

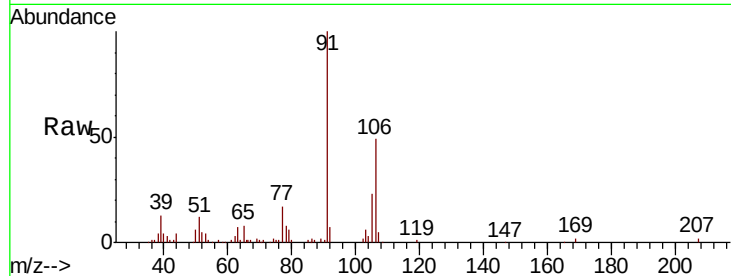
91 204.4 145.3 269.9

Manual Integrations

APPROVED

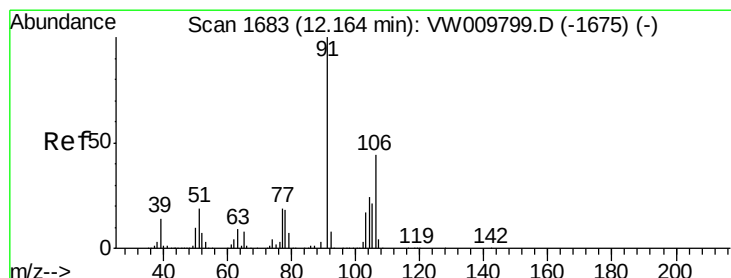
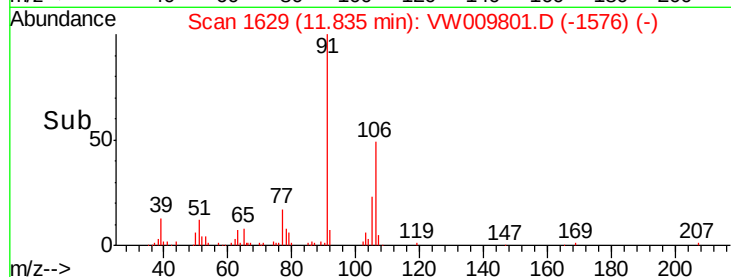
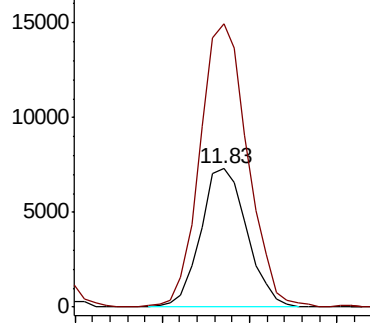
MMDadoda

4/11/2019 11:43:28 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.971 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009801.D

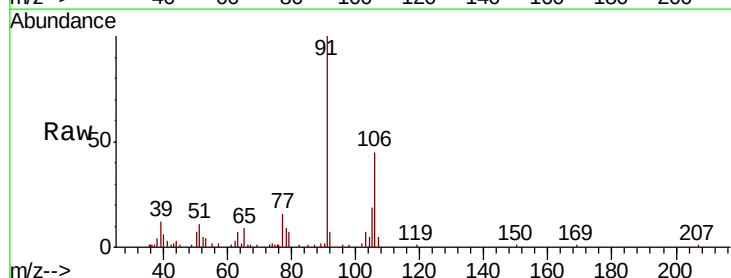
Acq: 07 Apr 2019 11:13

Tgt Ion:106 Resp: 7530

Ion Ratio Lower Upper

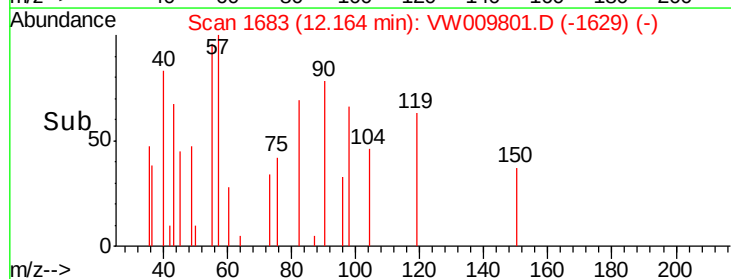
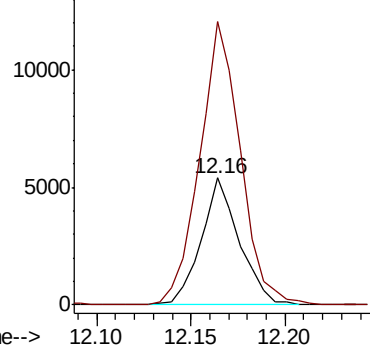
106 100

91 223.0 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009802.D
 Acq On : 07 Apr 2019 11:50
 Operator : SY/VA
 Sample : K2217-05
 Misc : 5.15G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 00:51:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	360132	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	350523	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141585	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	140737	29.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.44%
7) Chloroethane-d5	2.89	69	128295	29.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.88%
10) 1,1-Dichloroethene-d2	4.01	63	251971	24.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.44%
20) 2-Butanone-d5	7.08	46	85227	55.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.40%
24) Chloroform-d	7.65	84	320954	32.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	130.64%
26) 1,2-Dichloroethane-d4	8.31	65	203591	33.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	135.00%#
29) Benzene-d6	8.27	84	620949	33.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	135.00%
33) 1,2-Dichloropropane-d6	9.27	67	193556	34.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	136.24%#
37) Toluene-d8	10.32	98	556999	32.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	130.96%#
38) trans-1,3-Dichloropropene-	10.58	79	74402	27.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.80%
39) 2-Hexanone-d5	10.93	63	59086	55.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144683	27.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	185351	37.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	149.24%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	2228	0.444	ug/L #	18
13) Acetone	4.13	43	4300	2.623	ug/L	66
16) Methylene chloride	4.91	84	7961	1.253	ug/L	80
25) Chloroform	7.68	83	15083	1.508	ug/L	82
45) trans-1,3-Dichloropropene	10.57	75	4250	0.589	ug/L	97
59) 1,2,3-Trichloropropane	13.56	75	20119	4.960	ug/L	94

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

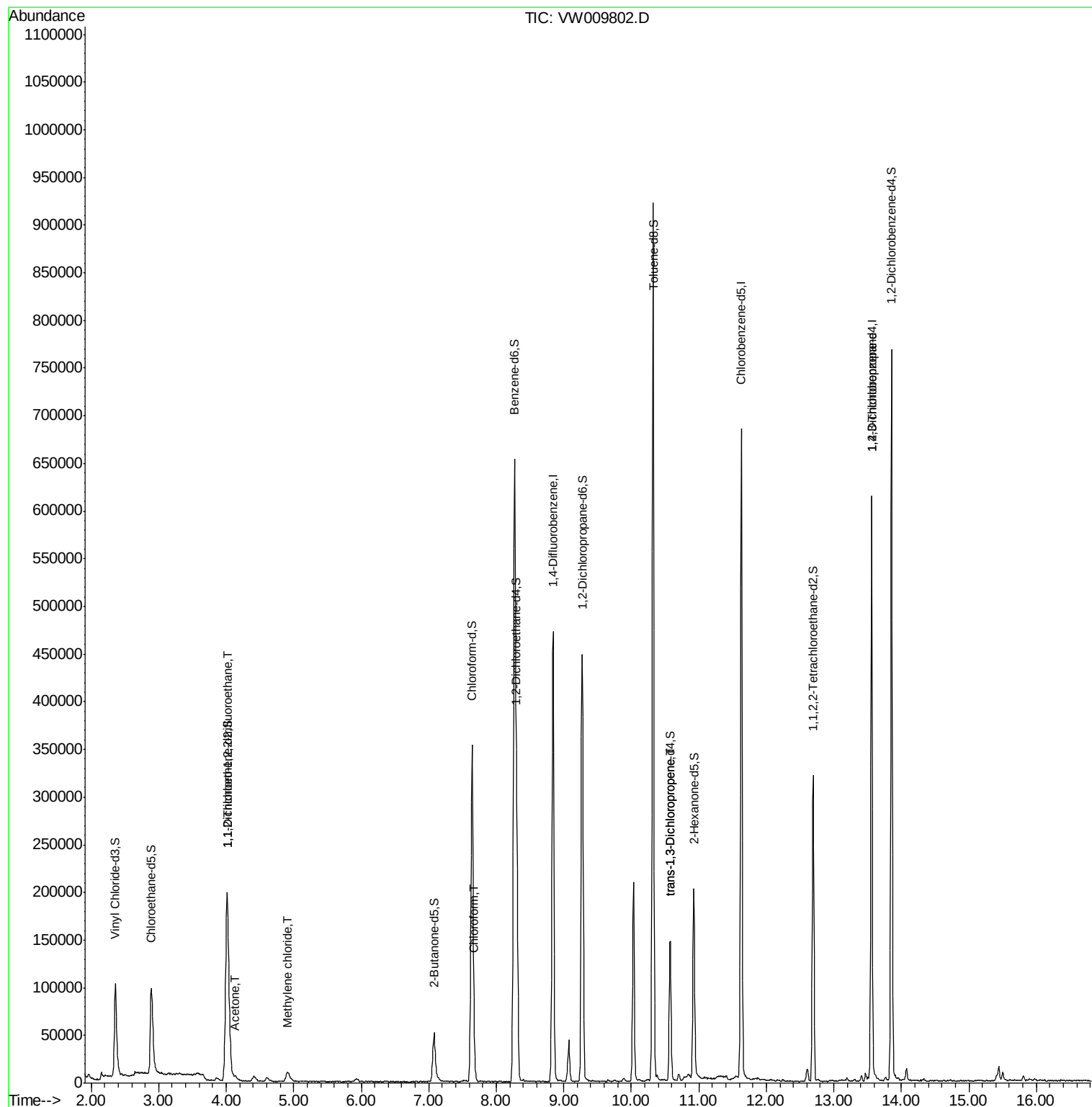
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009802.D
Acq On : 07 Apr 2019 11:50
Operator : SY/VA
Sample : K2217-05
Misc : 5.15G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

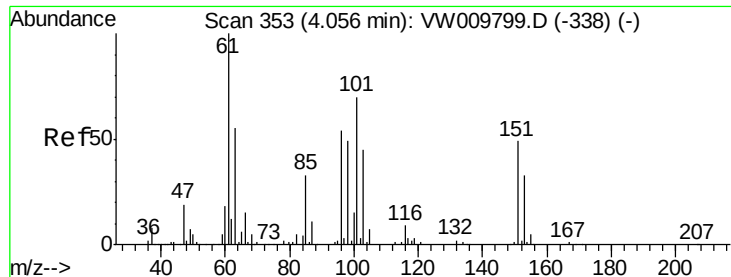
Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 00:51:56 2019
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.444 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.04 min

Lab File: VW009802.D

Acq: 07 Apr 2019 11:50

Instrument :

MSVOA_W

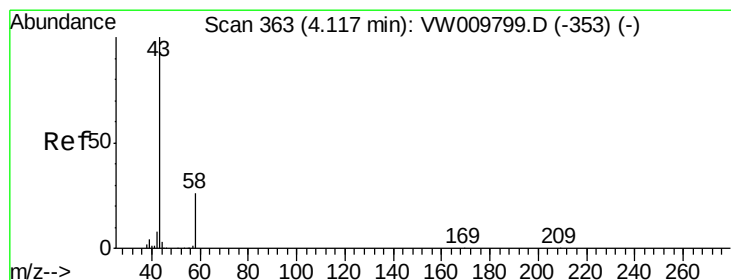
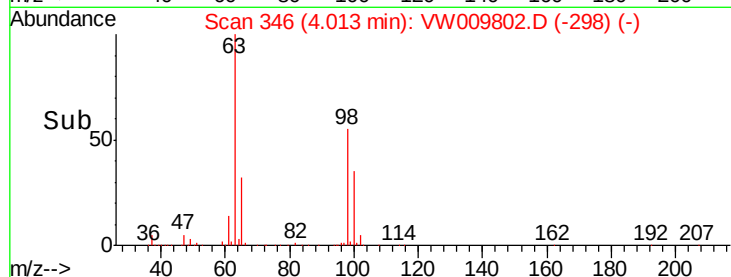
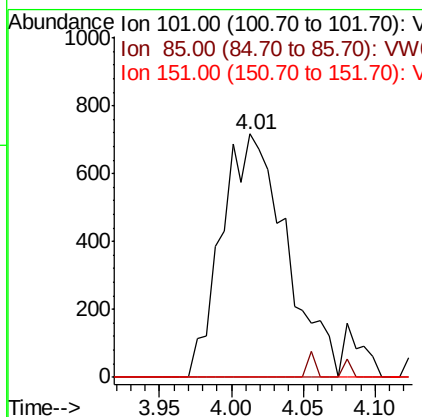
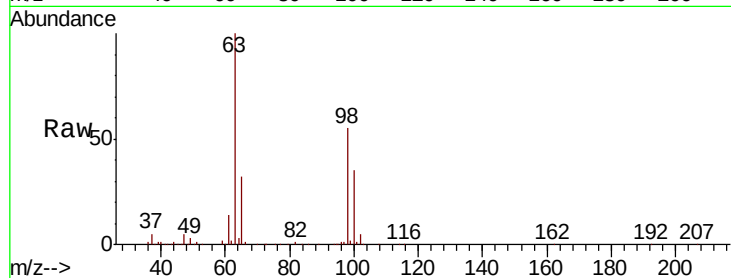
ClientSampleId :

VBLK27

Tgt Ion:	101	Resp:	2228
Ion Ratio	Lower	Upper	
101	100		
85	0.0	37.8	56.6#
151	0.0	60.6	91.0#

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM



#13

Acetone

Concen: 2.623 ug/L

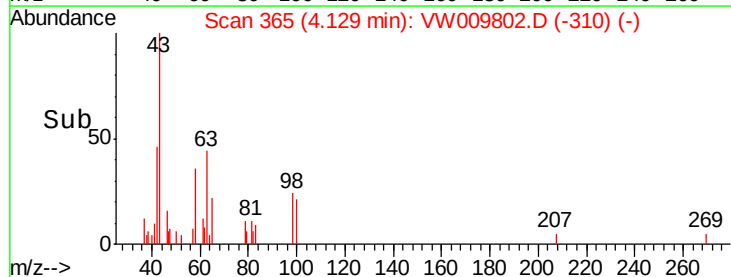
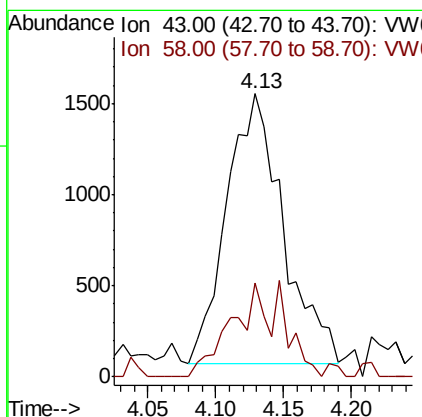
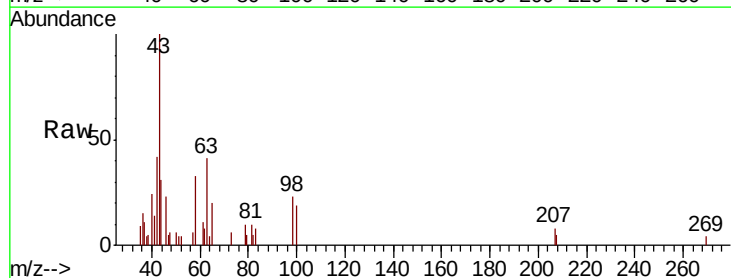
RT: 4.13 min Scan# 365

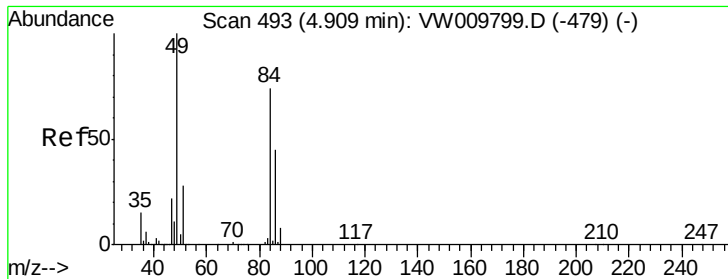
Delta R.T. 0.01 min

Lab File: VW009802.D

Acq: 07 Apr 2019 11:50

Tgt Ion:	43	Resp:	4300
Ion Ratio	Lower	Upper	
43	100		
58	9.1	0.0	53.0





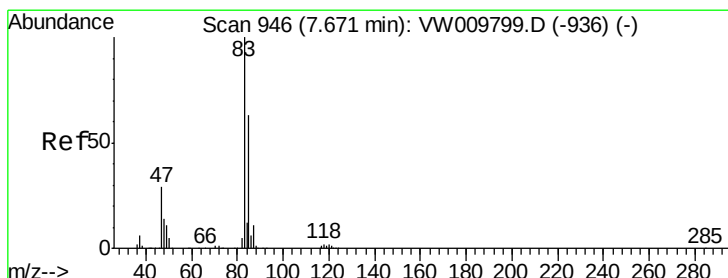
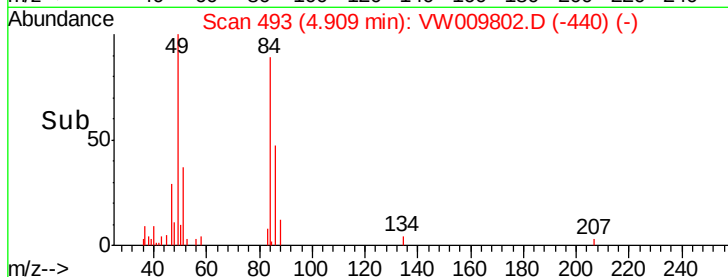
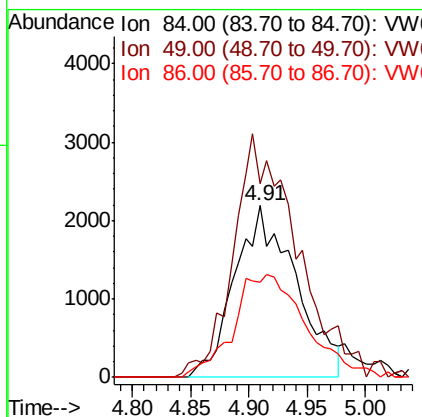
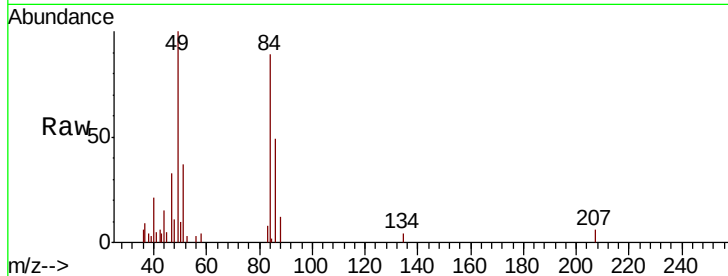
#16
Methylene chloride
Concen: 1.253 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009802.D
Acq: 07 Apr 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.6	98.3	182.5
86	55.6	46.4	86.2

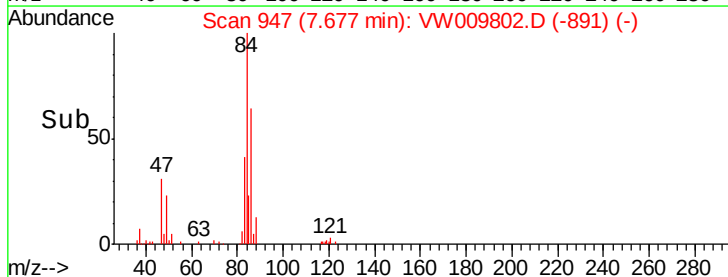
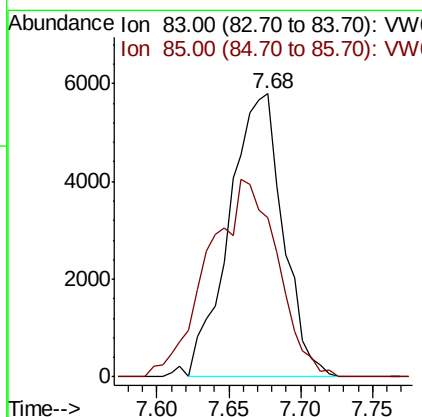
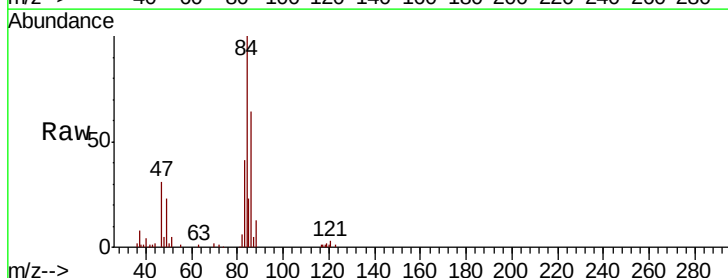
Manual Integrations
APPROVED

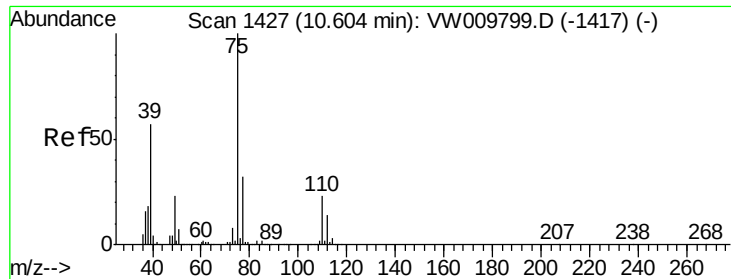
MMDadoda
4/11/2019 11:43:28 AM



#25
Chloroform
Concen: 1.508 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW009802.D
Acq: 07 Apr 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	50.8	45.6	84.8





#45

trans-1,3-Dichloropropene

Concen: 0.589 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009802.D

Acq: 07 Apr 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VBLK27

Tgt Ion: 75 Resp: 4250

Ion Ratio Lower Upper

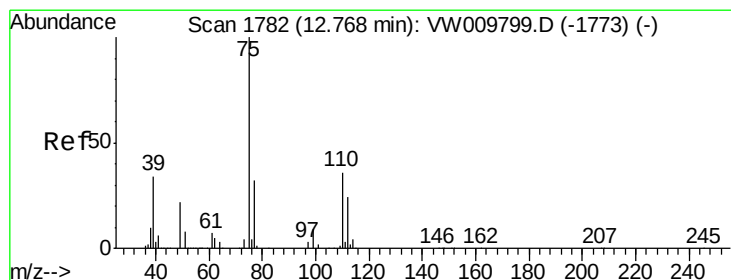
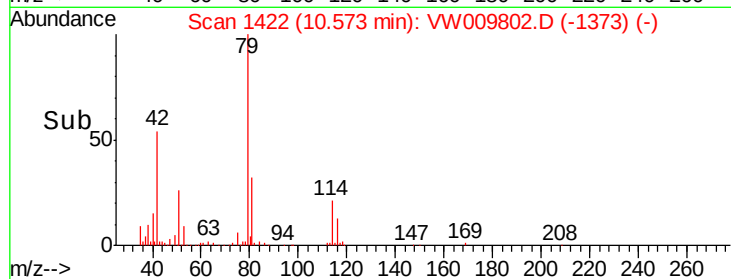
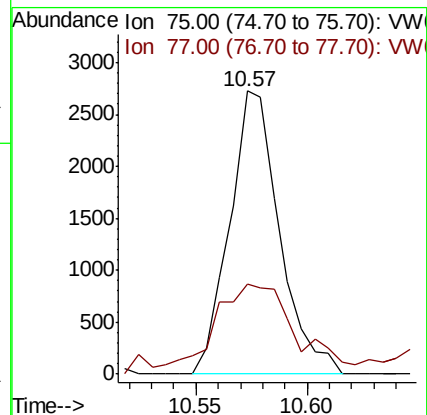
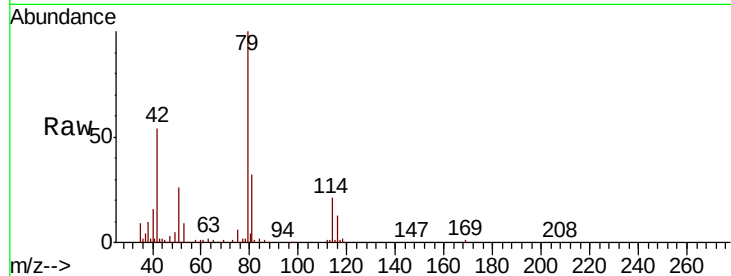
75 100

77 31.7 21.1 39.3

Manual Integrations
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4/11/2019 11:43:28 AM



#59

1,2,3-Trichloropropane

Concen: 4.960 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009802.D

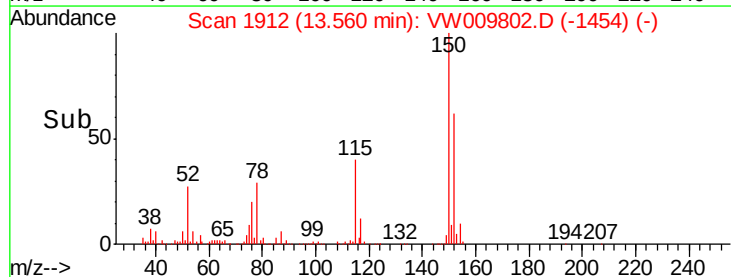
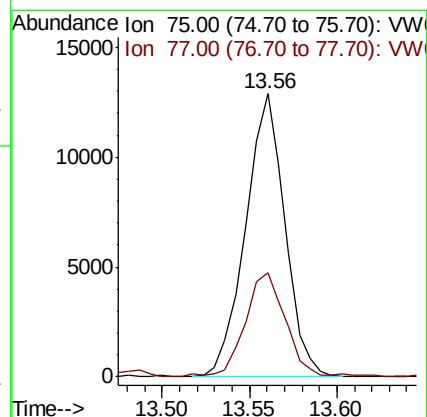
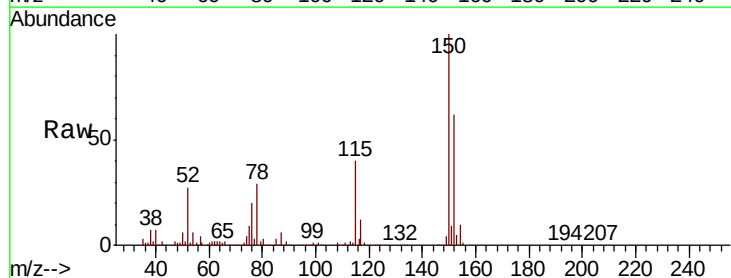
Acq: 07 Apr 2019 11:50

Tgt Ion: 75 Resp: 20119

Ion Ratio Lower Upper

75 100

77 36.1 26.2 39.2



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009803.D
 Acq On : 07 Apr 2019 12:17
 Operator : SY/VA
 Sample : K2217-10
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 00:51:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	374685	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	374861	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	159889	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	122187	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.68%
7) Chloroethane-d5	2.89	69	119865	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.72%
10) 1,1-Dichloroethene-d2	4.02	63	221818	21.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.16%
20) 2-Butanone-d5	7.08	46	75675	47.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.08%
24) Chloroform-d	7.64	84	320154	31.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	125.24%
26) 1,2-Dichloroethane-d4	8.31	65	205655	32.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	131.04%#
29) Benzene-d6	8.27	84	611458	31.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.28%
33) 1,2-Dichloropropane-d6	9.27	67	195138	32.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	128.44%#
37) Toluene-d8	10.32	98	546956	30.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	120.24%
38) trans-1,3-Dichloropropene-	10.58	79	74274	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.48%
39) 2-Hexanone-d5	10.93	63	48038	41.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141851	25.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	194531	34.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	138.68%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.12	43	10857	6.365	ug/L	97
16) Methylene chloride	4.92	84	7482	1.132	ug/L	79
25) Chloroform	7.67	83	13745	1.321	ug/L #	65
59) 1,2,3-Trichloropropane	13.56	75	21359	4.924	ug/L	90

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

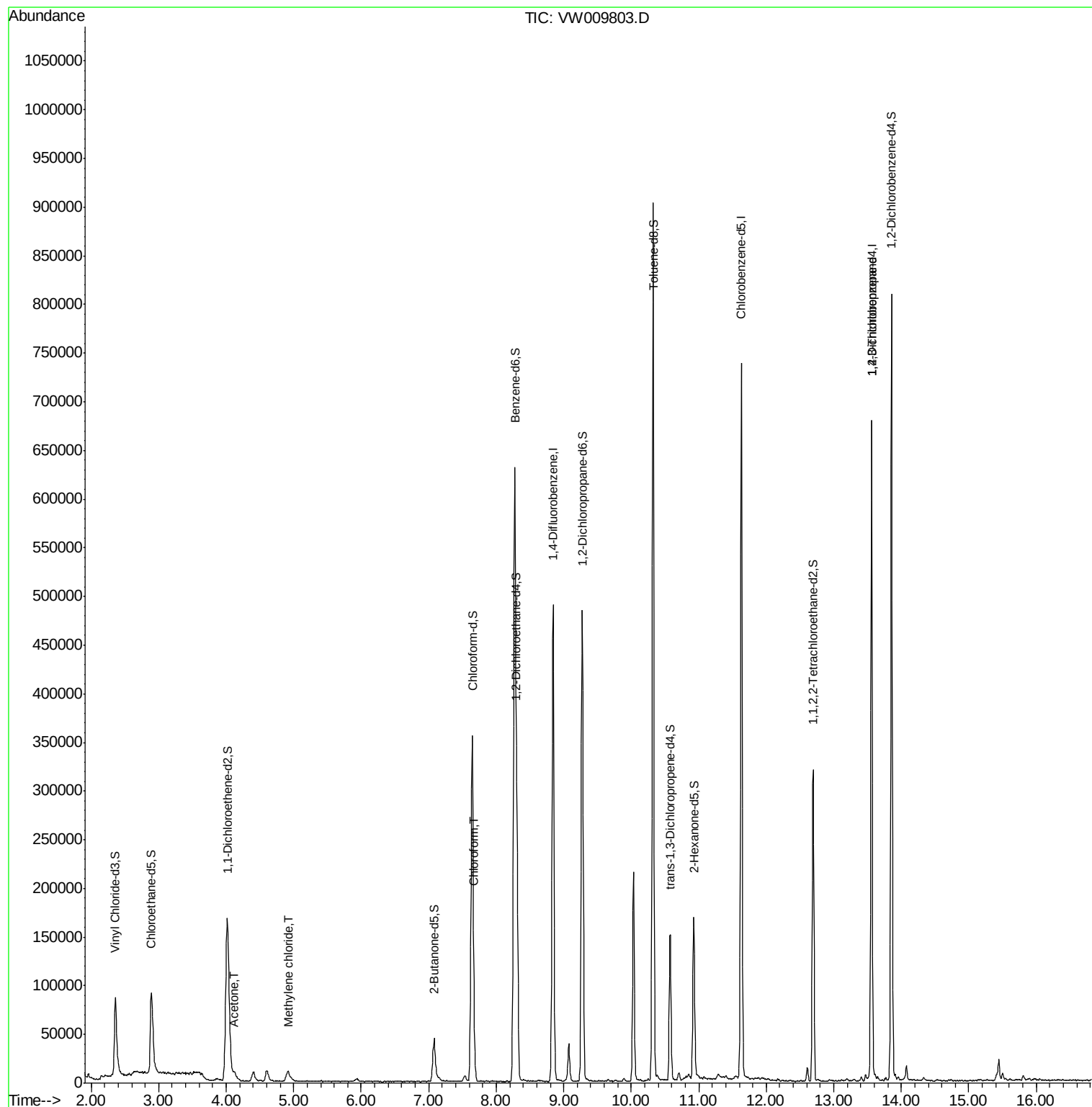
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009803.D
Acq On : 07 Apr 2019 12:17
Operator : SY/VA
Sample : K2217-10
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

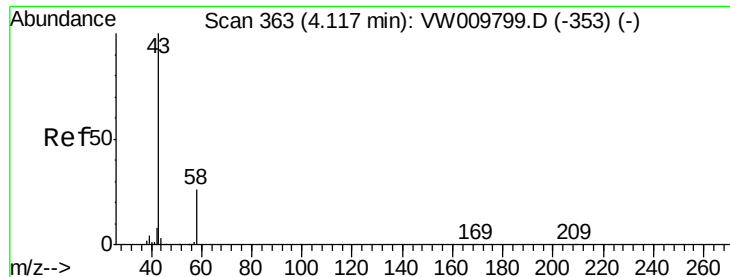
Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 00:51:56 2019
Response via : Initial Calibration





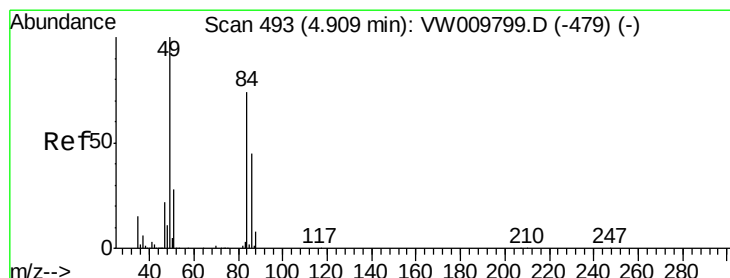
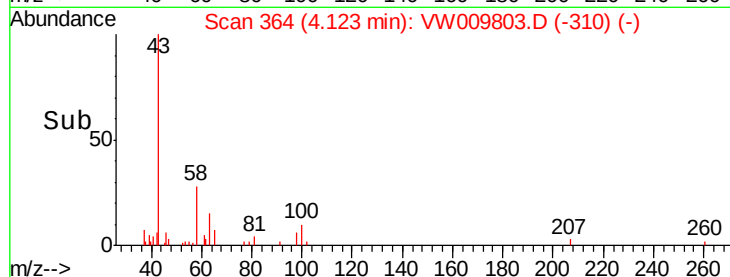
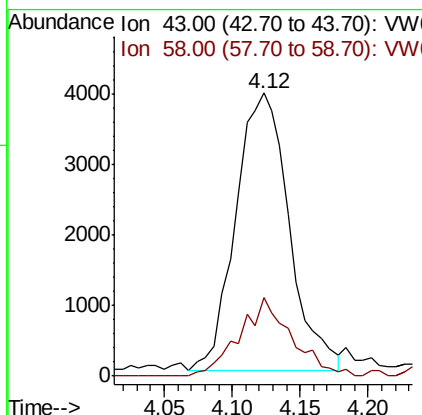
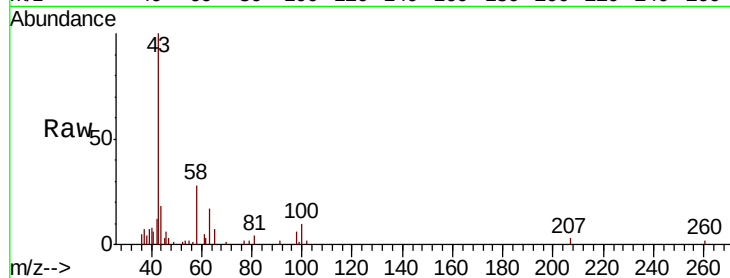
#13
Acetone
Concen: 6.365 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW009803.D
Acq: 07 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Tgt Ion: 43 Resp: 10857
Ion Ratio Lower Upper
43 100
58 24.8 0.0 53.0

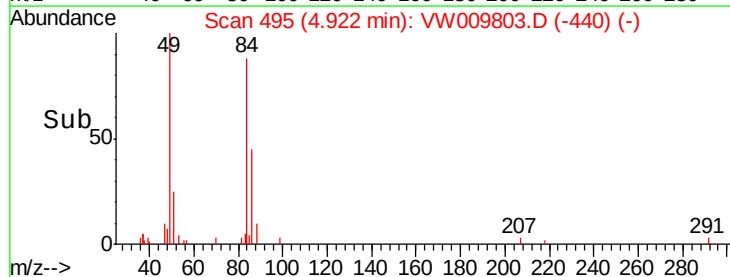
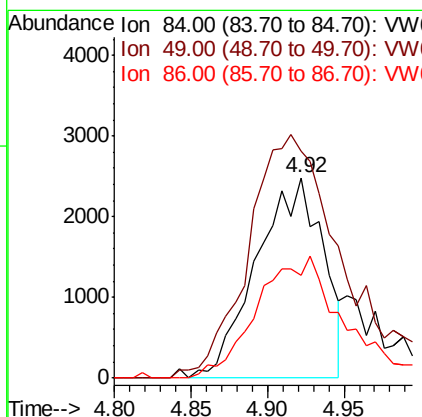
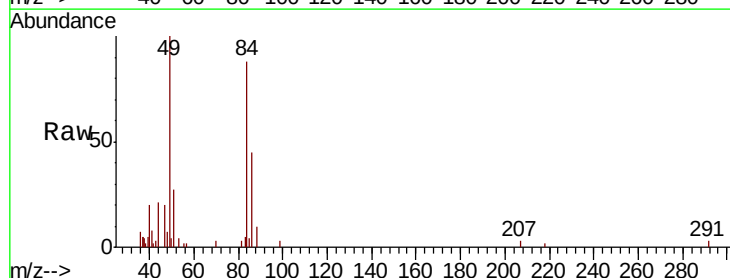
Manual Integrations
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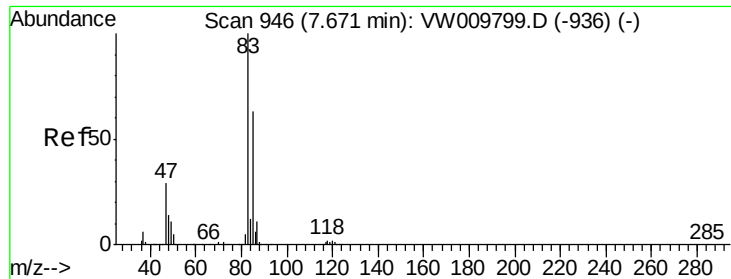
MMDadoda
4/11/2019 11:43:28 AM



#16
Methylene chloride
Concen: 1.132 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009803.D
Acq: 07 Apr 2019 12:17

Tgt Ion: 84 Resp: 7482
Ion Ratio Lower Upper
84 100
49 113.0 98.3 182.5
86 51.3 46.4 86.2





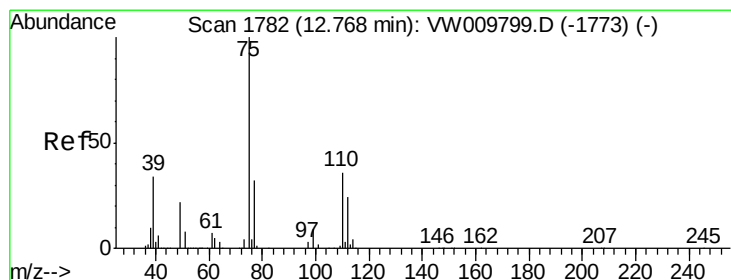
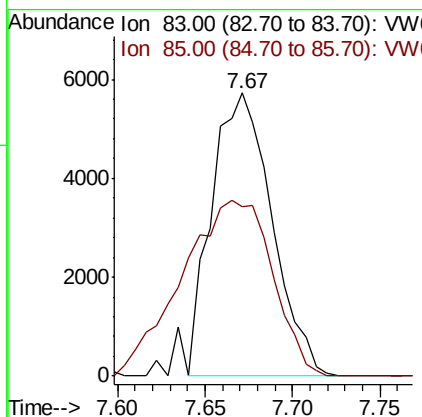
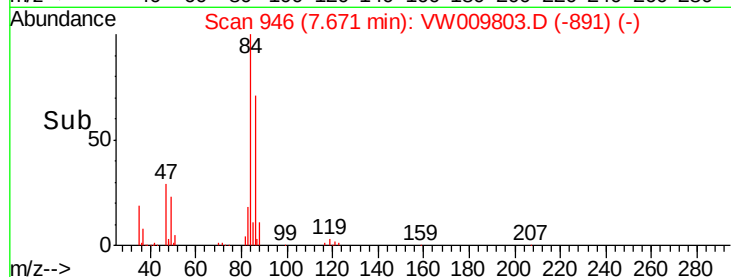
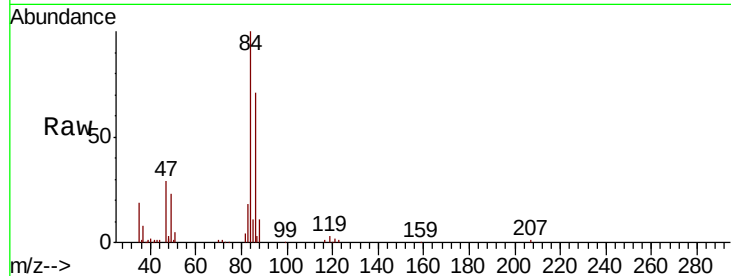
#25
Chloroform
Concen: 1.321 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.01 min
Lab File: VW009803.D
Acq: 07 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Tgt Ion: 83 Resp: 13745
Ion Ratio Lower Upper
83 100
85 93.2 45.6 84.8#

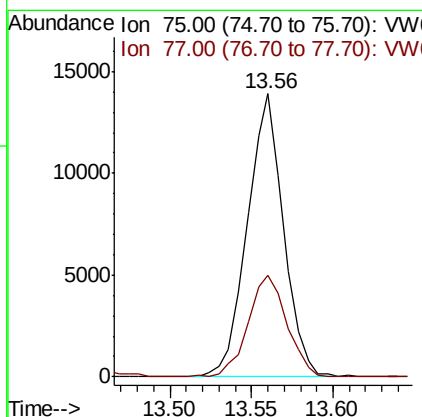
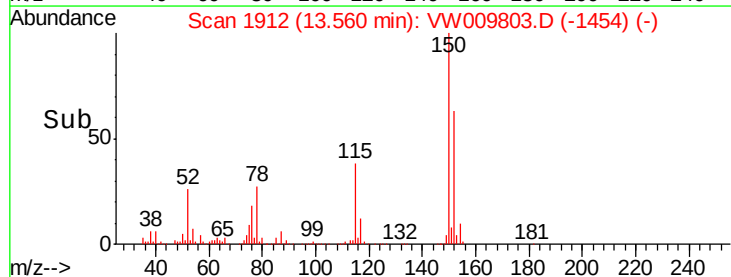
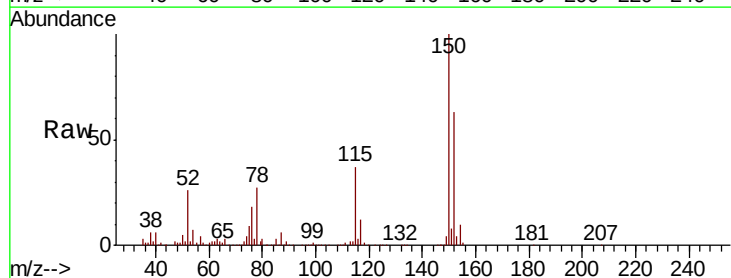
Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM



#59
1,2,3-Trichloropropane
Concen: 4.924 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW009803.D
Acq: 07 Apr 2019 12:17

Tgt Ion: 75 Resp: 21359
Ion Ratio Lower Upper
75 100
77 38.4 26.2 39.2



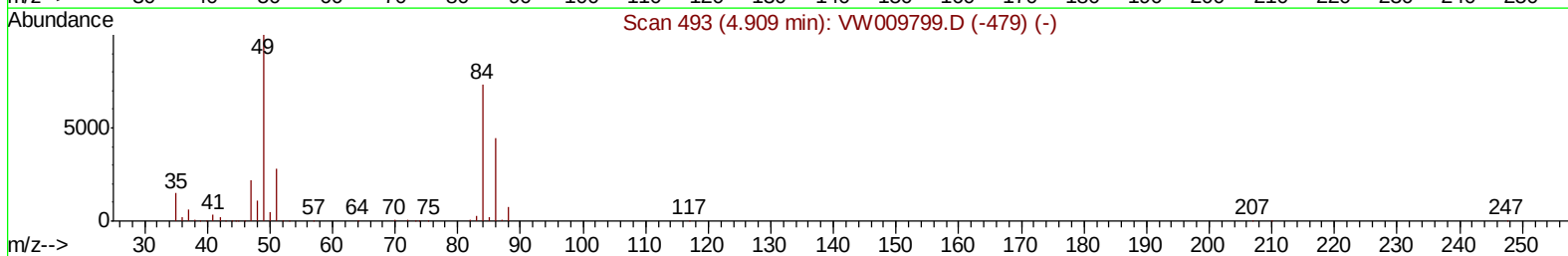
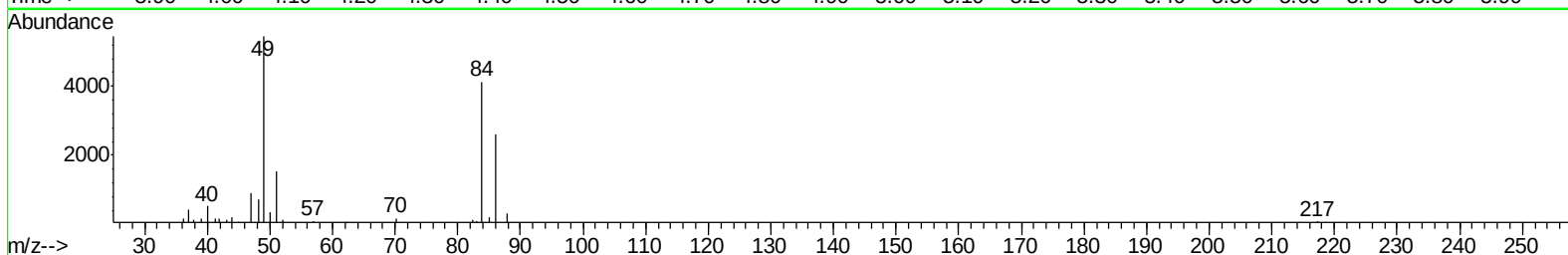
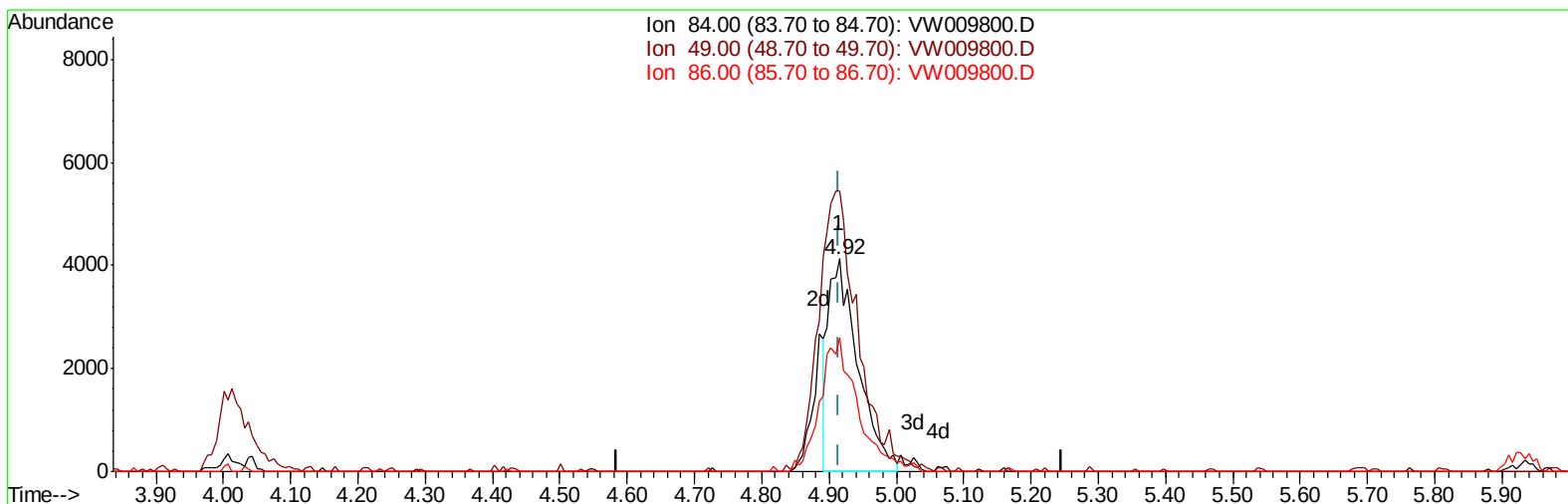
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Data File : VW009800.D
Acq On : 07 Apr 2019 10:36
Operator : SY/VA
Sample : VW0406SBL04
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 00:51:56 2019
Response via : Initial Calibration



TIC: VW009800.D

(16) Methylene chloride (T)

4.916min (+0.000) 1.91ug/L

response 12514

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	132.02
86.00	66.30	62.92
0.00	0.00	0.00

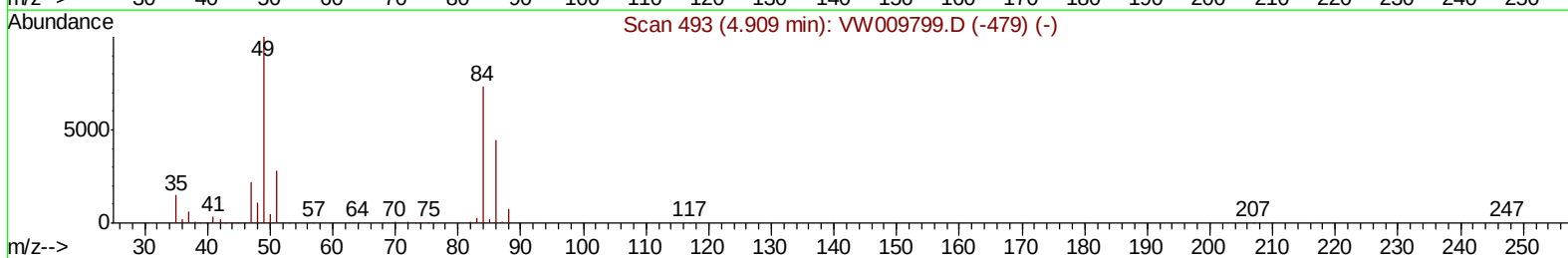
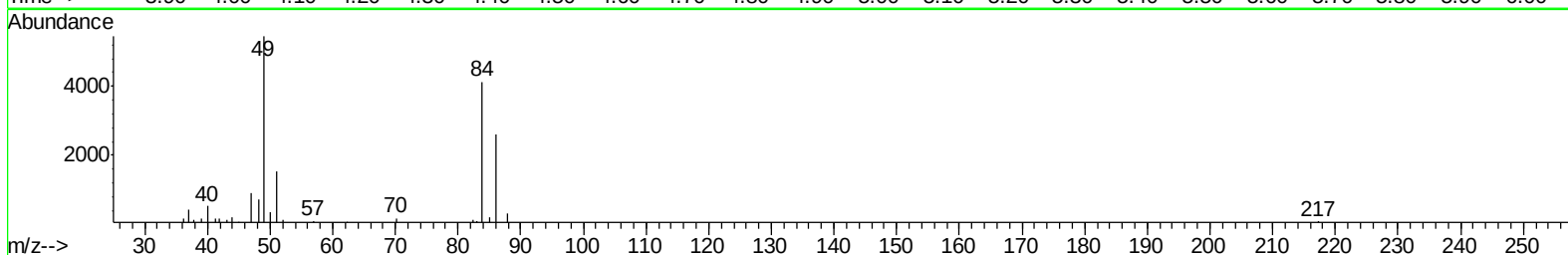
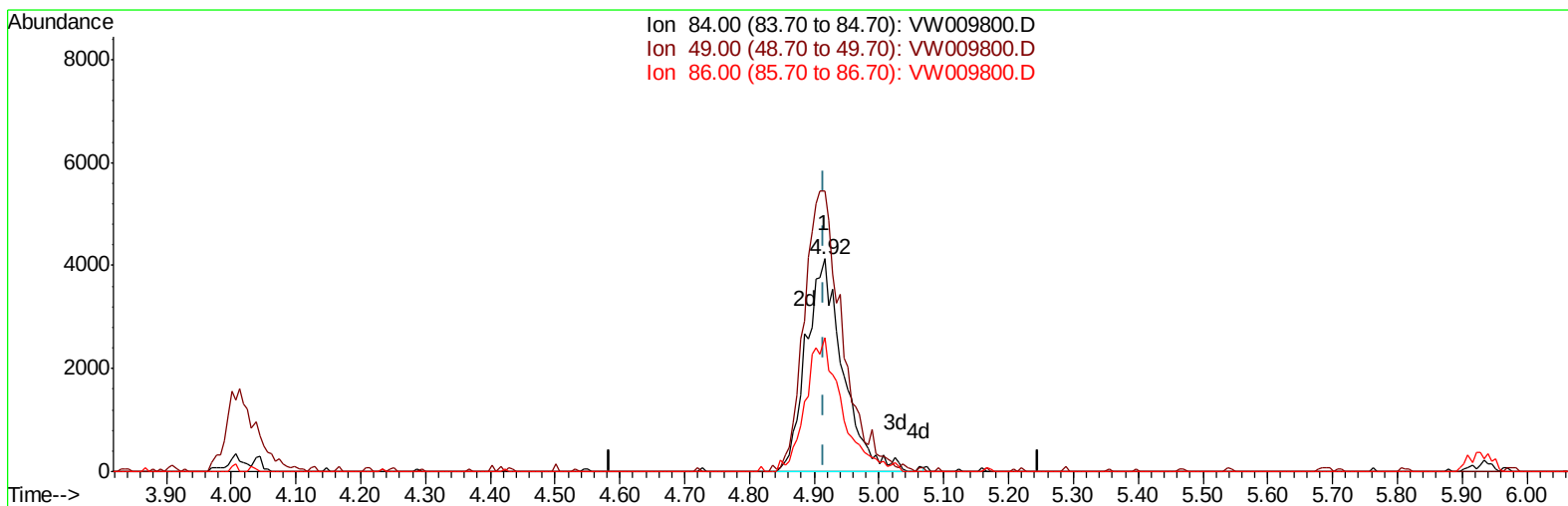
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009800.D
Acq On : 07 Apr 2019 10:36
Operator : SY/VA
Sample : VW0406SBL04
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:54:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 00:51:56 2019
Response via : Initial Calibration



TIC: VW009800.D

(16) Methylene chloride (T)

4.916min (+0.000) 2.49ug/L m

response 16307

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	132.02
86.00	66.30	62.92
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009800.D
 Acq On : 07 Apr 2019 10:36
 Operator : SY/VA
 Sample : VW0406SBL04
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VBLK27

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:56:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 00:51:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	405049	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	167159	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	69293	14.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.96%
7) Chloroethane-d5	2.89	69	77867	17.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.84%
10) 1,1-Dichloroethene-d2	4.01	63	137382	13.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.48%
20) 2-Butanone-d5	7.07	46	95296	60.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.60%
24) Chloroform-d	7.64	84	259252	25.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.16%
26) 1,2-Dichloroethane-d4	8.30	65	188826	30.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.20%
29) Benzene-d6	8.27	84	457223	21.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.00%
33) 1,2-Dichloropropane-d6	9.27	67	160961	24.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.04%
37) Toluene-d8	10.32	98	402956	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.00%
38) trans-1,3-Dichloropropene-	10.57	79	60400	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.12%
39) 2-Hexanone-d5	10.93	63	38145	30.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	166205	27.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	160344	27.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.36%

Target Compounds					Qvalue
13) Acetone	4.12	43	4695	2.773 ug/L	87
15) Methyl Acetate	4.67	43	29086	9.420 ug/L	97
16) Methylene chloride	4.92	84	16307m	2.486 ug/L	

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009800.D
Acq On : 07 Apr 2019 10:36
Operator : SY/VA
Sample : VW0406SBL04
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VBLK27

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:43:28 AM

Quant Time: Apr 08 00:56:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 00:51:56 2019
Response via : Initial Calibration

