

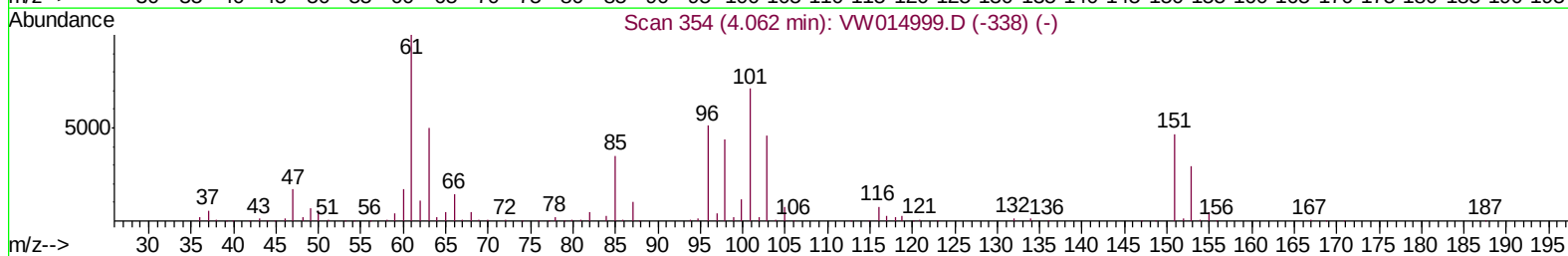
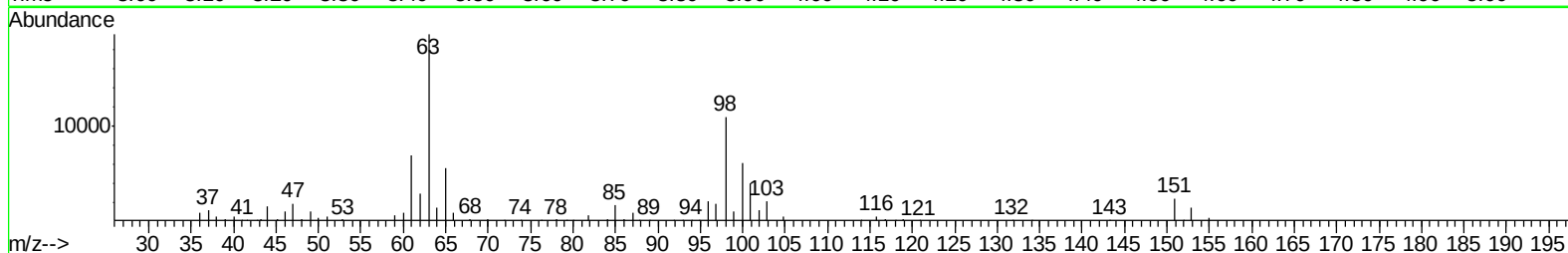
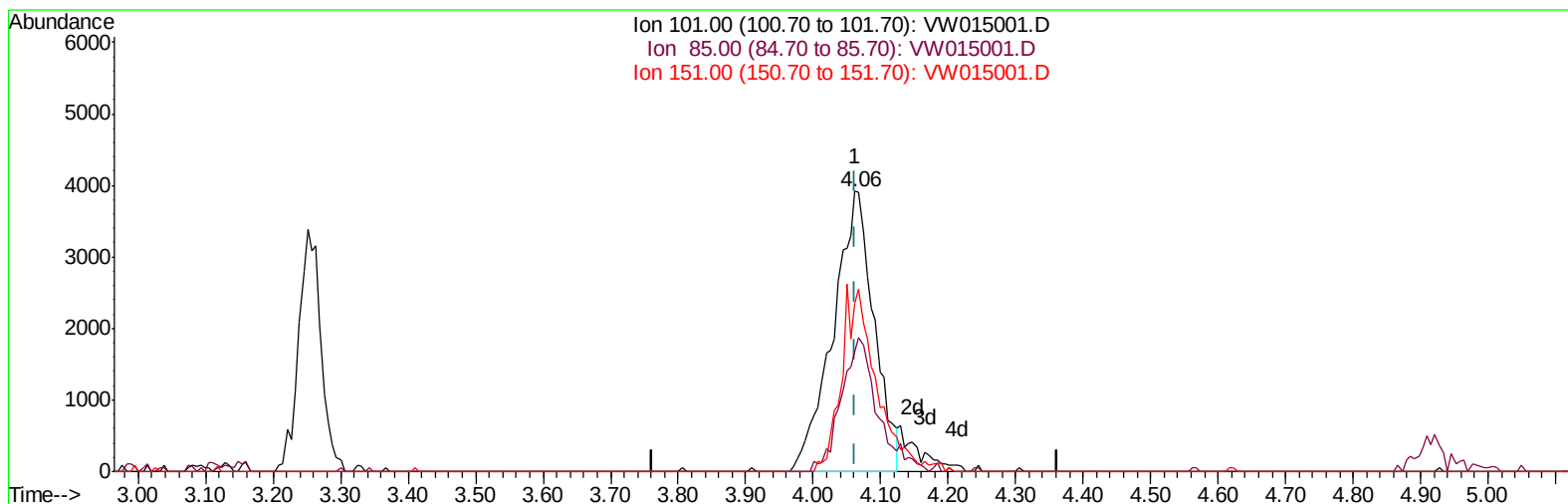
Data File : VW015001.D
Acq On : 17 Feb 2020 15:37
Operator : SY/VA
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
2/19/2020 6:02:52 PM

Quant Time: Feb 18 04:29:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration



TIC: VW015001.D

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (0.000) 1.58ug/L

response 16430

Ion	Exp%	Act%
101.00	100	100
85.00	45.60	39.37
151.00	62.80	28.59#
0.00	0.00	0.00

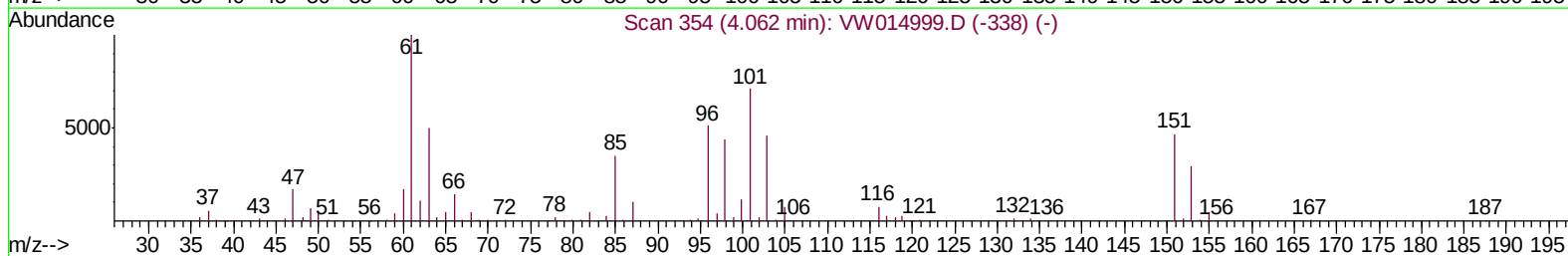
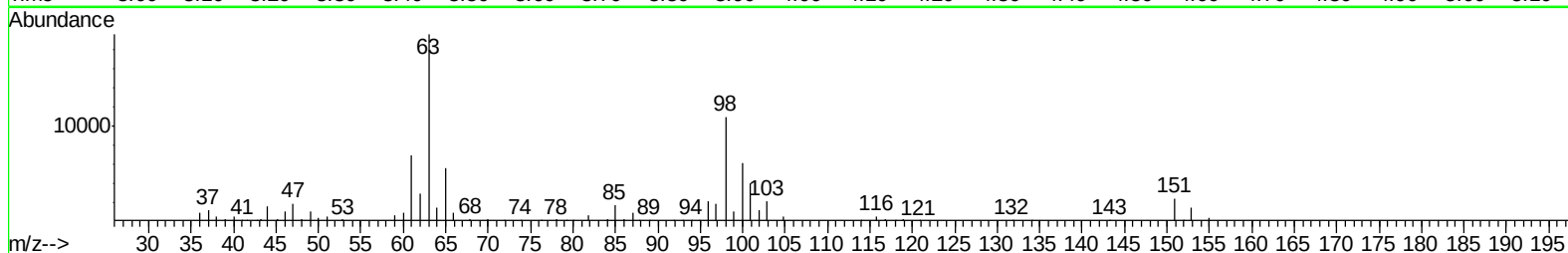
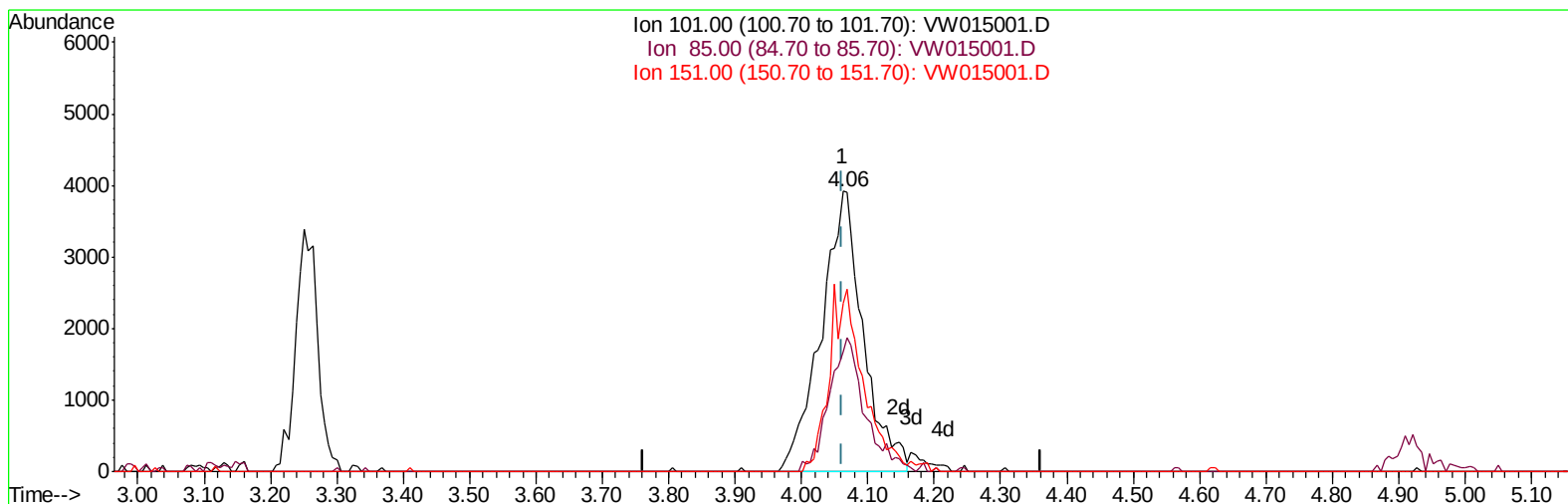
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Manual Integrations
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Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration



TIC: VW015001.D

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (0.000) 1.65ug/L m

response 17245

Ion	Exp%	Act%
101.00	100	100
85.00	45.60	37.51
151.00	62.80	27.24#
0.00	0.00	0.00

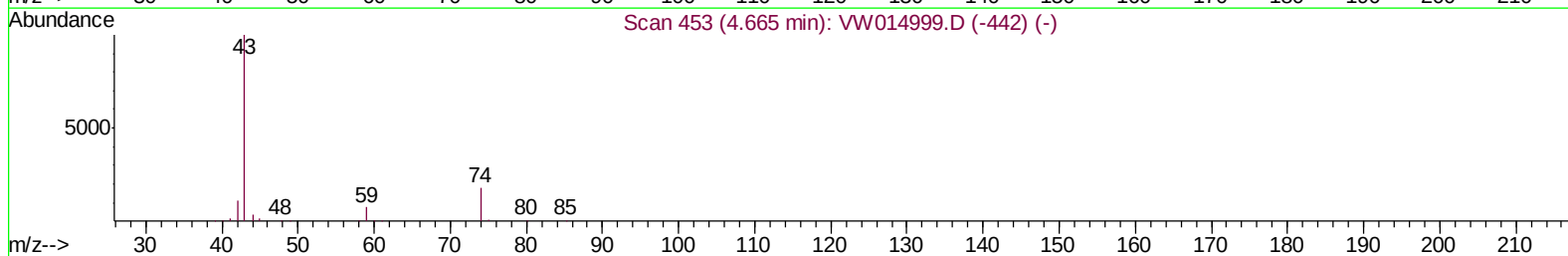
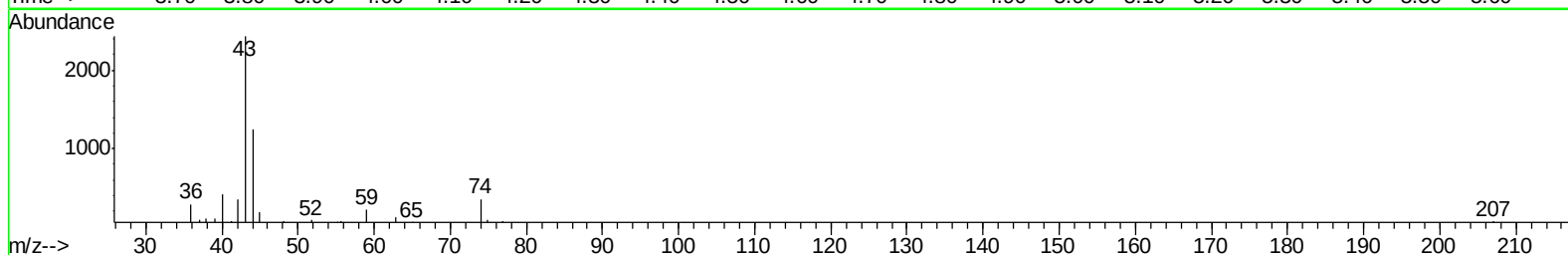
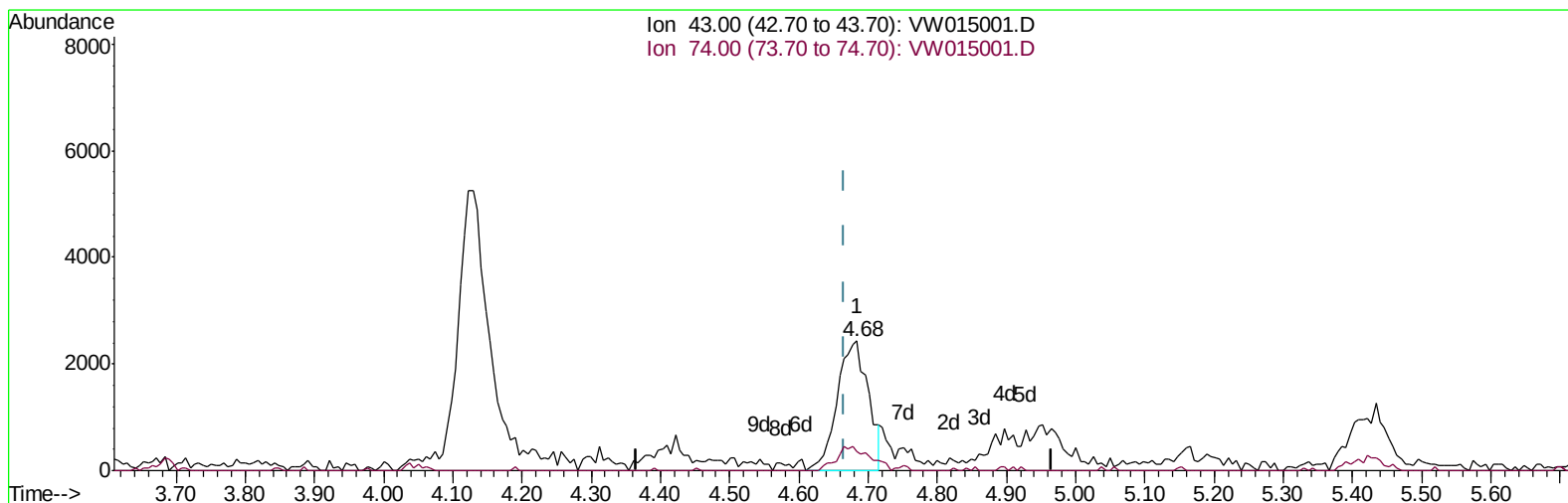
Data File : VW015001.D
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Operator : SY/VA
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
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TIC: VW015001.D

(15) Methyl Acetate (T)

4.684min (+0.018) 1.12ug/L

response 7630

Ion	Exp%	Act%
43.00	100	100
74.00	18.20	17.72
0.00	0.00	0.00
0.00	0.00	0.00

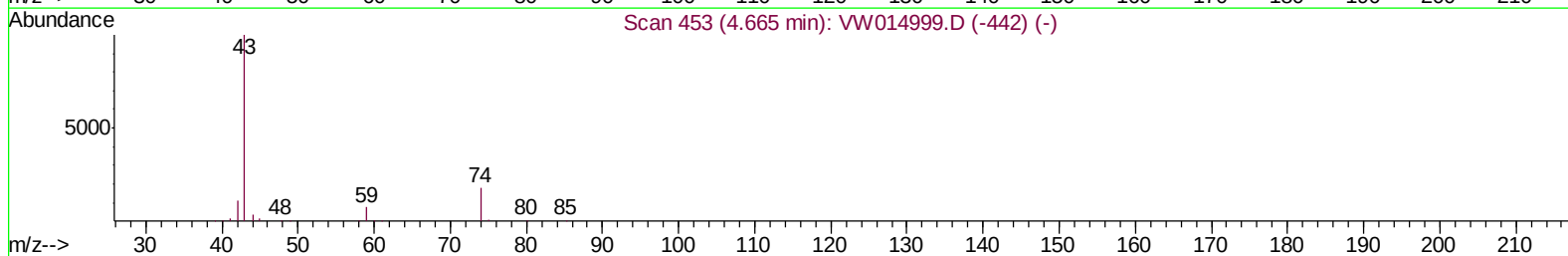
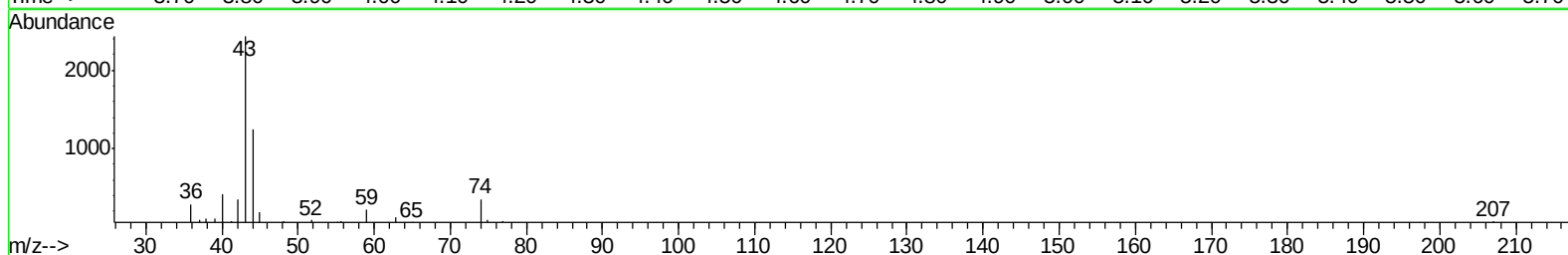
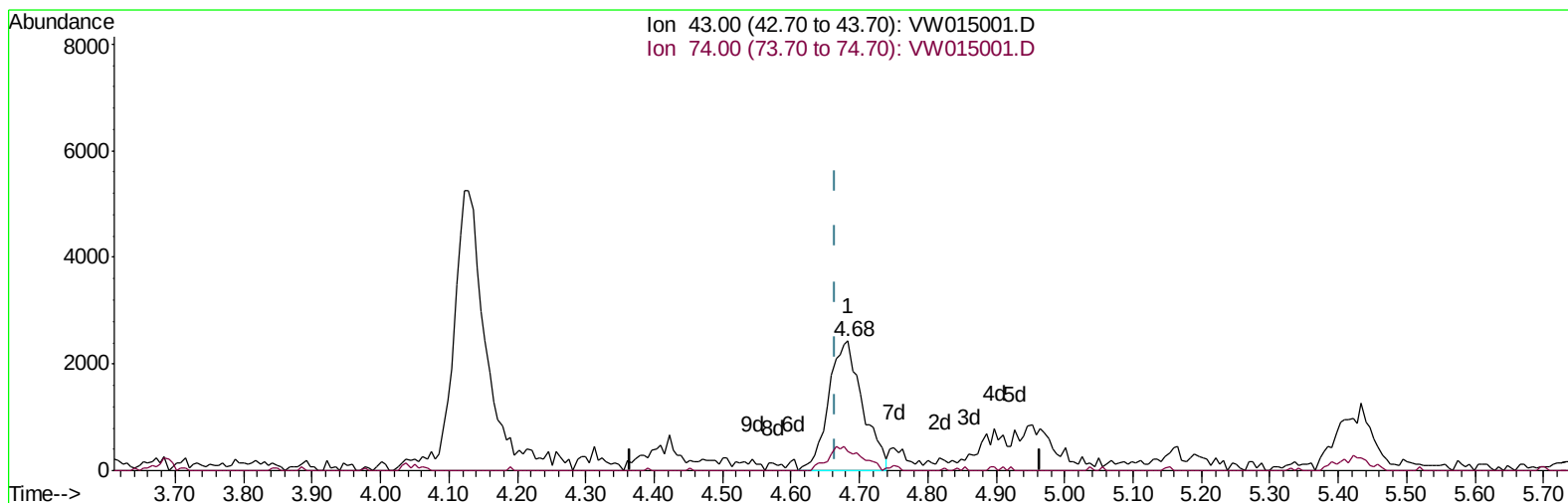
Data File : VW015001.D
Acq On : 17 Feb 2020 15:37
Operator : SY/VA
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Manual Integrations
APPROVED

MMDadoda
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Quant Time: Feb 18 04:29:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration



TIC: VW015001.D

(15) Methyl Acetate (T)

4.684min (+0.018) 1.23ug/L m

response 8373

Ion	Exp%	Act%
43.00	100	100
74.00	18.20	16.15
0.00	0.00	0.00
0.00	0.00	0.00

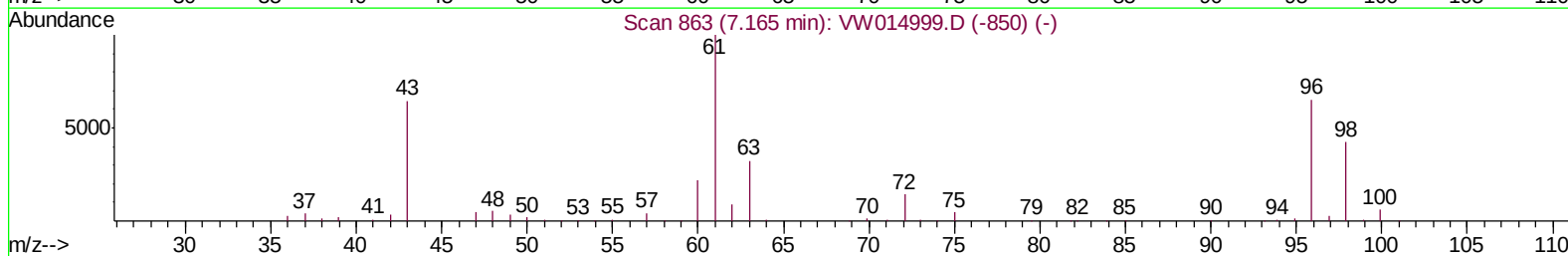
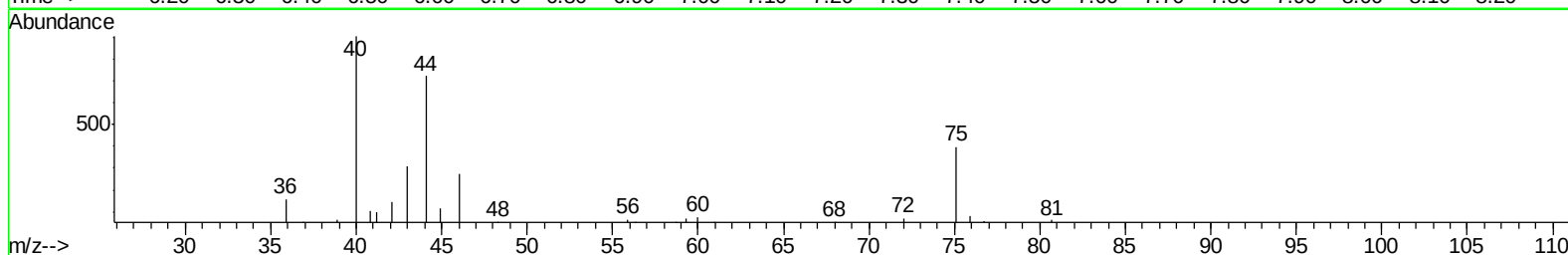
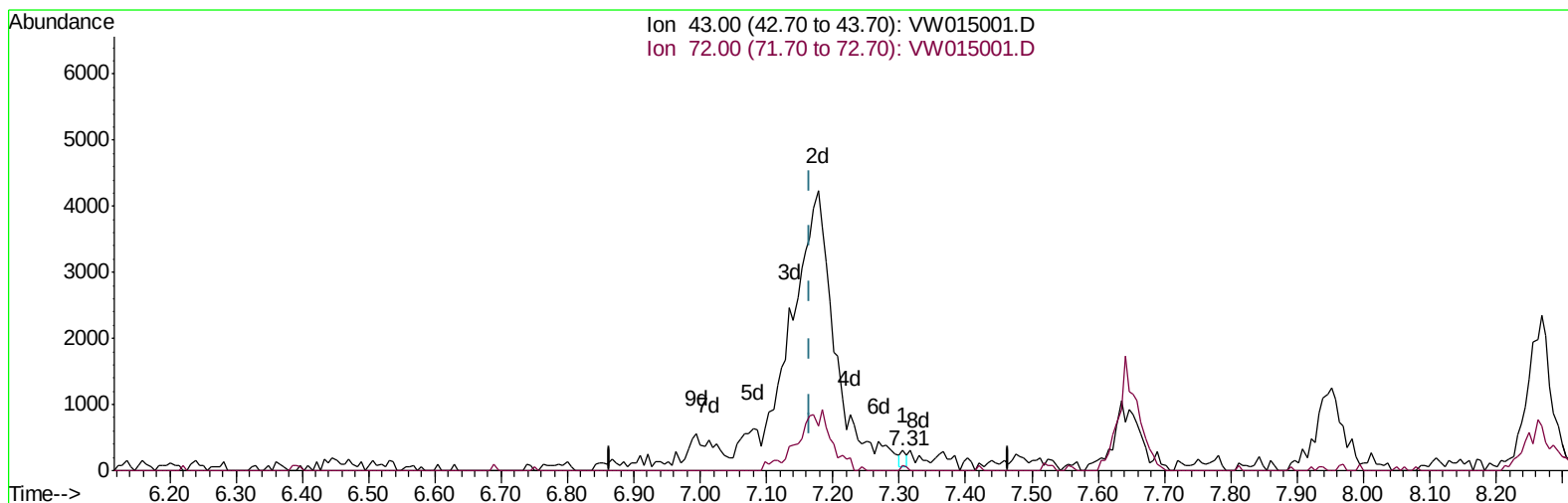
Data File : VW015001.D
Acq On : 17 Feb 2020 15:37
Operator : SY/VA
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Feb 18 04:29:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration



TIC: VW015001.D

(22) 2-Butanone (T)
7.305min (+0.140) 0.03ug/L

response 150

Ion	Exp%	Act%
43.00	100	100
72.00	22.10	30.67
0.00	0.00	0.00
0.00	0.00	0.00

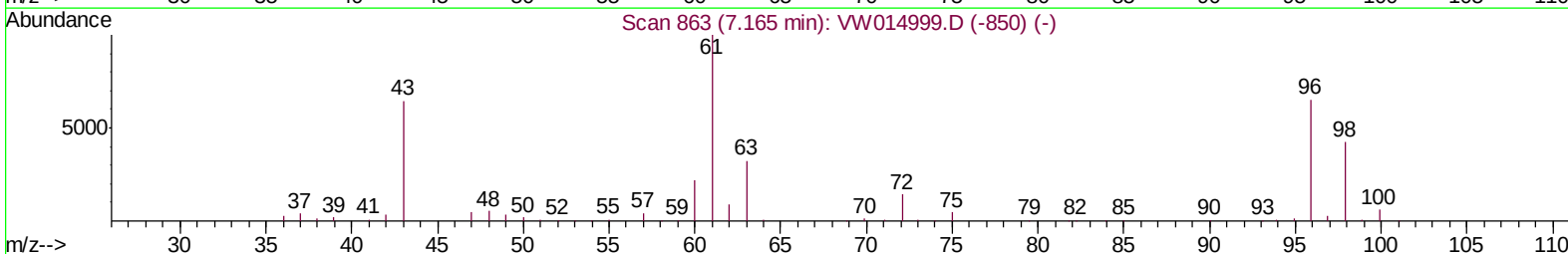
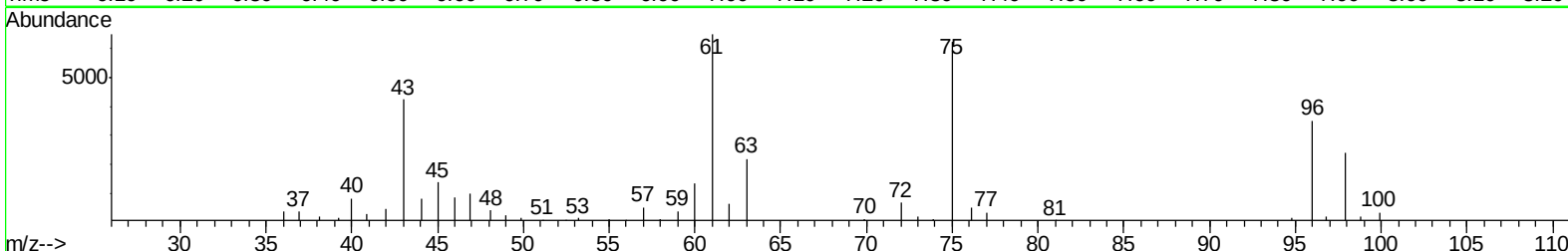
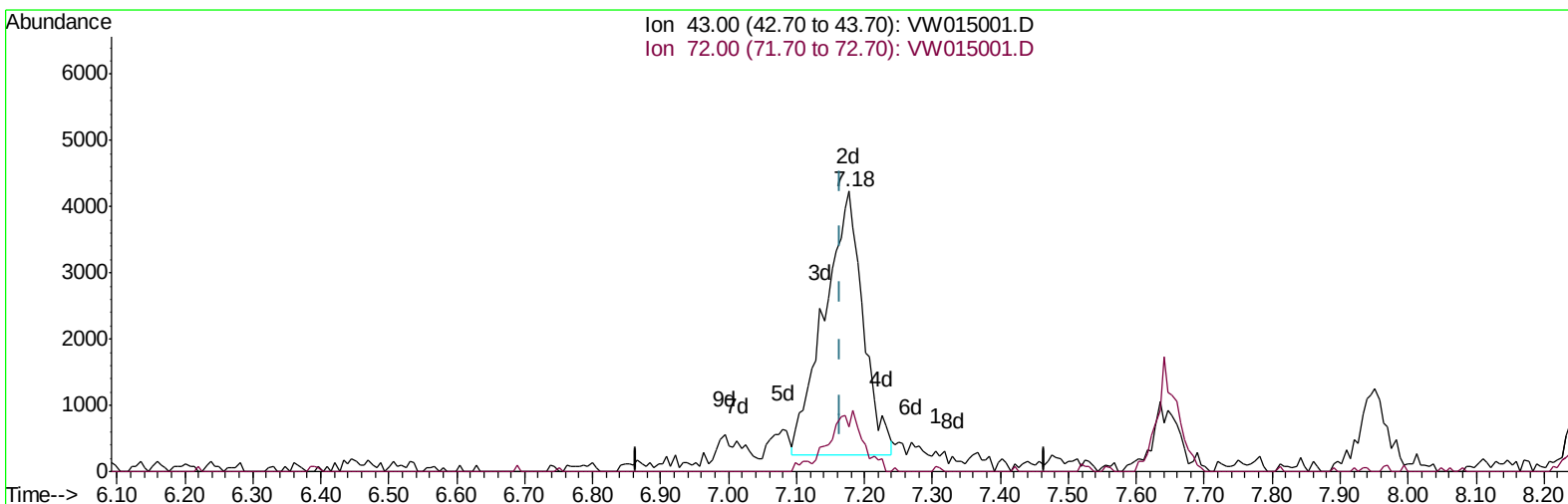
Data File : VW015001.D
Acq On : 17 Feb 2020 15:37
Operator : SY/VA
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Feb 18 04:29:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration



TIC: VW015001.D

(22) 2-Butanone (T)

7.177min (+0.012) 3.33ug/L m

response 15720

Ion	Exp%	Act%
43.00	100	100
72.00	22.10	0.29#
0.00	0.00	0.00
0.00	0.00	0.00

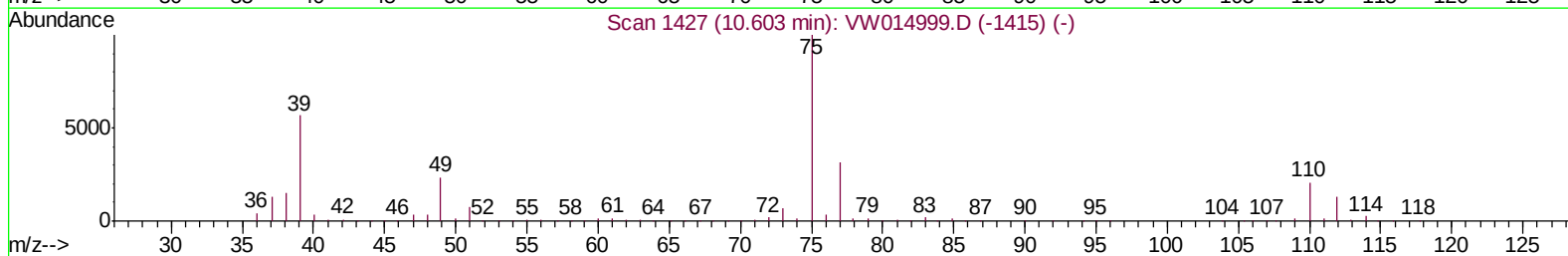
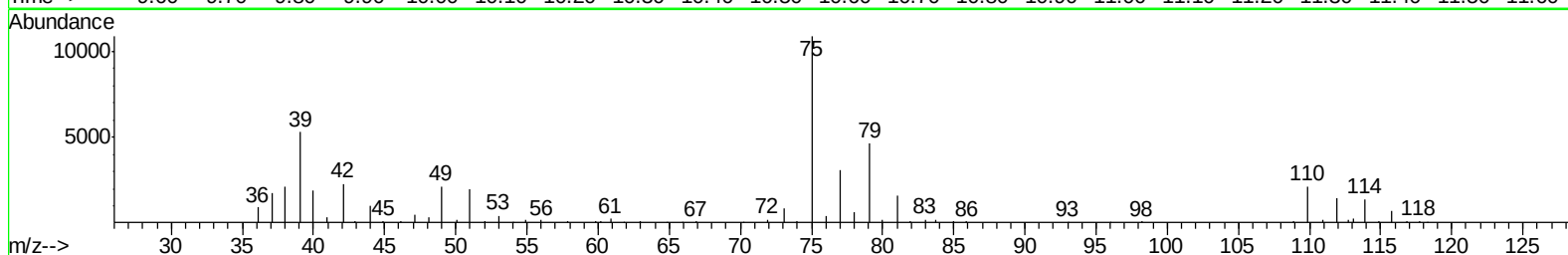
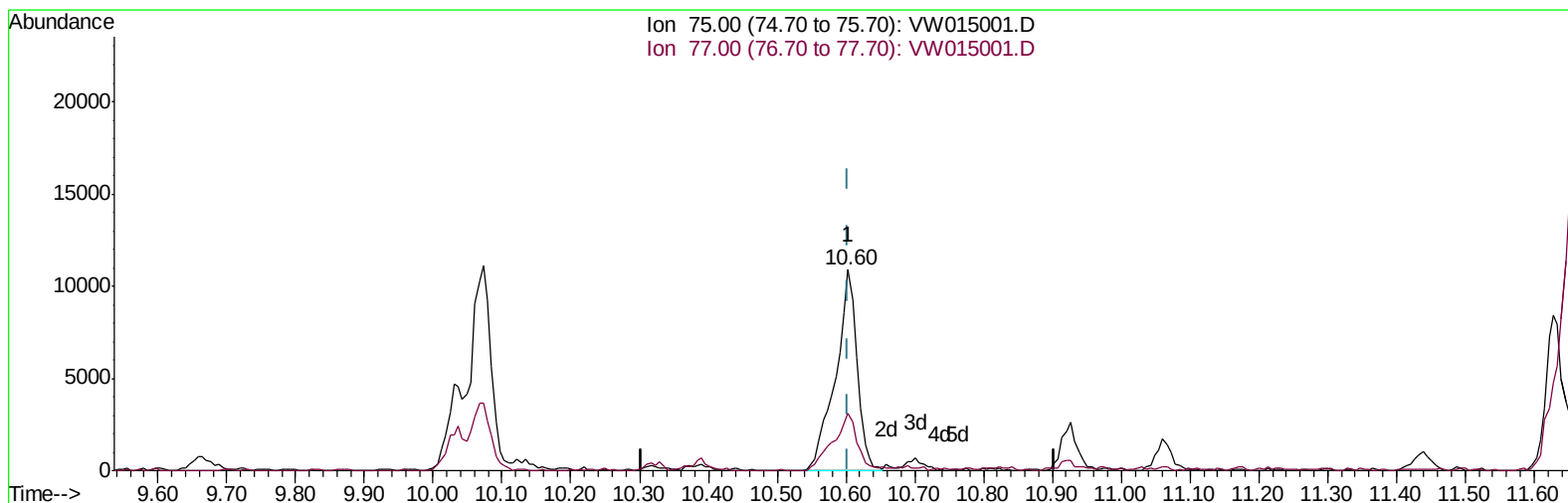
Data File : VW015001.D
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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Feb 18 04:29:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
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TIC: VW015001.D

(44) trans-1,3-Dichloropropene (T)

10.603min (-0.000) 1.68ug/L

response 23766

Ion	Exp%	Act%
75.00	100	100
77.00	32.40	28.62
0.00	0.00	0.00
0.00	0.00	0.00

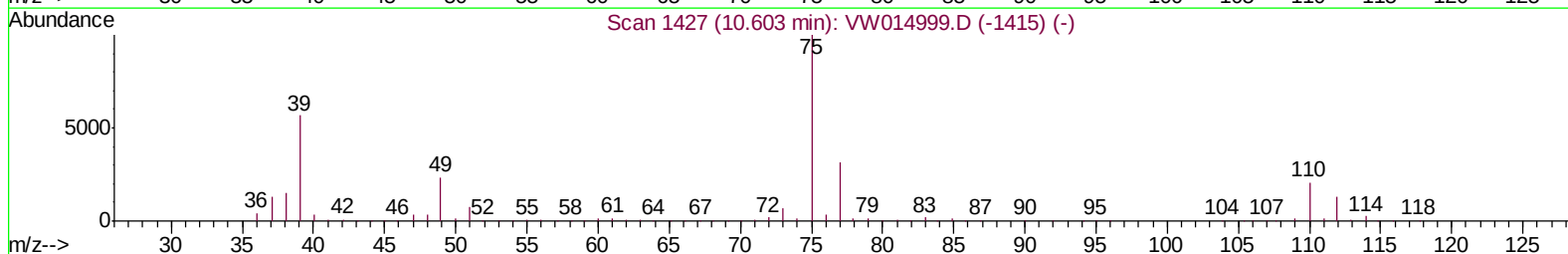
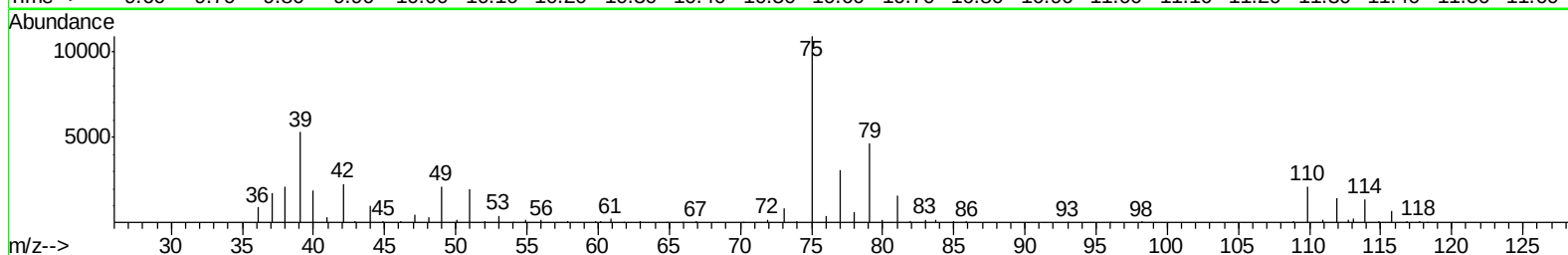
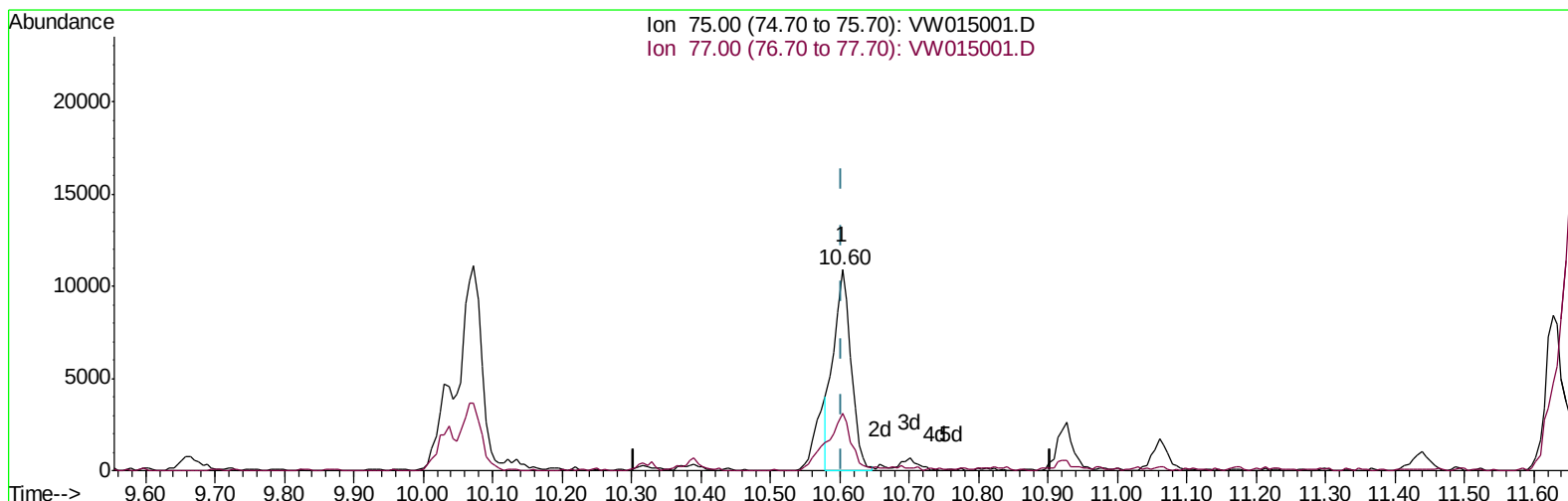
Data File : VW015001.D
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Operator : SY/VA
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Feb 18 04:29:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration



TIC: VW015001.D

(44) trans-1,3-Dichloropropene (T)

10.603min (-0.000) 1.35ug/L m

response 19095

Ion	Exp%	Act%
75.00	100	100
77.00	32.40	28.62
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW015001.D
Acq On : 17 Feb 2020 15:37
Operator : SY/VA
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Manual Integrations
APPROVED

MMDadoda
2/19/2020 6:02:52 PM

Quant Time: Feb 18 04:31:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	670997	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	622901	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	246546	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	316698	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.76%
7) Chloroethane-d5	2.89	69	244801	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.08%
11) 1,1-Dichloroethene-d2	4.01	63	428469	17.67	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.68%
21) 2-Butanone-d5	7.07	46	172636	45.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.68%
24) Chloroform-d	7.65	84	502076	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	8.31	65	305436	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.64%
32) Benzene-d6	8.27	84	1005937	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
36) 1,2-Dichloropropane-d6	9.27	67	348322	24.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.52%
41) Toluene-d8	10.32	98	843892	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.32%
43) trans-1,3-Dichloropropene-	10.57	79	125491	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.52%
47) 2-Hexanone-d5	10.92	63	115081	44.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.64%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	255521	23.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.88%
66) 1,2-Dichlorobenzene-d4	13.85	152	233620	25.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7200	1.080 ug/L	91
3) Chloromethane	2.21	50	17959	1.433 ug/L	96
5) Vinyl chloride	2.36	62	23165	1.436 ug/L #	61
6) Bromomethane	2.78	94	9533	1.302 ug/L	99
8) Chloroethane	2.92	64	11396	1.320 ug/L	96
9) Trichlorofluoromethane	3.25	101	7834	1.229 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	17245m	1.654 ug/L	
12) 1,1-Dichloroethene	4.04	96	15658	1.566 ug/L #	1
13) Acetone	4.13	43	14940	3.800 ug/L	82
14) Carbon disulfide	4.39	76	45219	1.251 ug/L	96
15) Methyl Acetate	4.68	43	8373m	1.227 ug/L	
16) Methylene chloride	4.92	84	35839	2.891 ug/L	92
17) trans-1,2-Dichloroethene	5.42	96	12975	1.286 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	14941	1.200 ug/L #	82
19) 1,1-Dichloroethane	6.21	63	29119	1.292 ug/L	93
20) cis-1,2-Dichloroethene	7.17	96	12941	1.244 ug/L	85
22) 2-Butanone	7.18	43	15720m	3.326 ug/L	

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Quant Time: Feb 18 04:31:22 2020
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Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	5725	1.357	ug/L	83
25) Chloroform	7.67	83	28872	1.438	ug/L	99
27) 1,2-Dichloroethane	8.40	62	20871	1.414	ug/L	97
29) Cyclohexane	7.95	56	21505	1.059	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	19703	1.300	ug/L	99
31) Carbon tetrachloride	8.06	117	17752	1.300	ug/L	96
33) Benzene	8.32	78	60961	1.333	ug/L	100
34) Trichloroethene	9.09	95	14156	1.292	ug/L	96
35) Methylcyclohexane	9.33	83	19828	1.050	ug/L	87
37) 1,2-Dichloropropane	9.37	63	17176	1.345	ug/L #	94
38) Bromodichloromethane	9.64	83	18616	1.294	ug/L #	92
39) cis-1,3-Dichloropropene	10.07	75	20032	1.172	ug/L	96
40) 4-Methyl-2-pentanone	10.21	43	21465	2.360	ug/L	97
42) Toluene	10.38	91	57564	1.303	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	19095m	1.347	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	10359	1.337	ug/L	92
46) Tetrachloroethene	10.86	164	9497	1.335	ug/L	90
48) 2-Hexanone	10.97	43	16670	2.516	ug/L #	90
49) Dibromochloromethane	11.13	129	9796	1.213	ug/L	89
50) 1,2-Dibromoethane	11.23	107	8561	1.226	ug/L #	88
51) Chlorobenzene	11.65	112	33047	1.268	ug/L	88
52) Ethylbenzene	11.73	91	53717	1.116	ug/L	99
53) m,p-Xylene	11.84	106	17792	1.053	ug/L	92
54) o-Xylene	12.16	106	15764	0.994	ug/L	94
55) Styrene	12.18	104	25224	0.923	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	14498	1.398	ug/L #	94
59) Bromoform	12.34	173	5102	1.353	ug/L	99
60) Isopropylbenzene	12.46	105	42168	1.093	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	10386	1.437	ug/L	94
62) 1,3,5-Trimethylbenzene	12.94	105	31842	1.035	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	30569	1.015	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	20121	1.265	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	22766	1.388	ug/L	94
67) 1,2-Dichlorobenzene	13.87	146	21032	1.429	ug/L	92
68) 1,2-Dibromo-3-chloropropan	14.48	75	2429	1.608	ug/L	95
69) 1,3,5-Trichlorobenzene	14.63	180	14493	1.359	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	9670	1.210	ug/L	90
71) Naphthalene	15.36	128	9018	1.099	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.55	180	9652	1.303	ug/L	98

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

Data File : VW015001.D

Acq On : 17 Feb 2020 15:37

Operator : SY/VA

Sample : MDL07

Misc : 5.00G/10ML/MSVOA W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
MDL07

Manual Integrations

MMDadoda
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Quant Time: Feb 18 04:31:22 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Tue Feb 18 04:18:26 2020

Response via : Initial Calibration

