

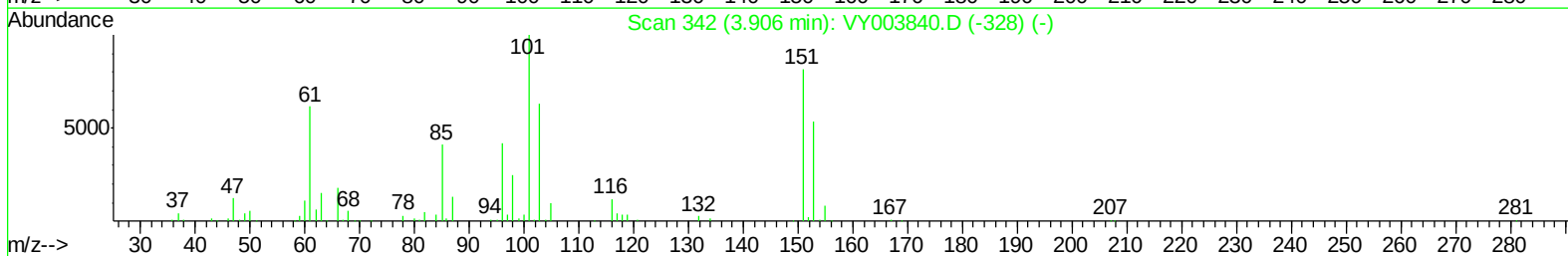
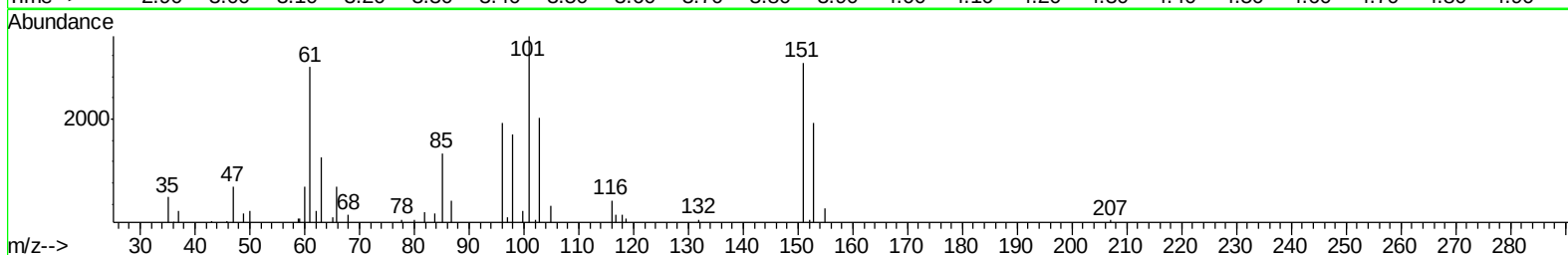
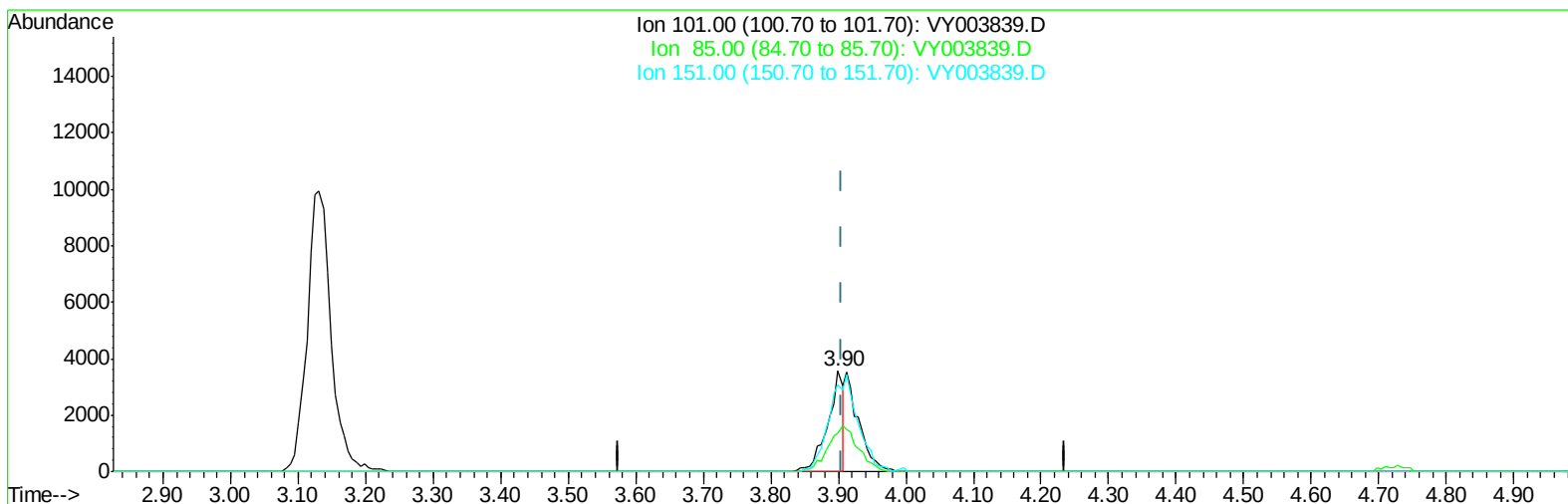
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
Data File : VY003839.D
Acq On : 23 Dec 2020 16:01
Operator : SY/MD
Sample : VSTD00580
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

Manual Integrations
APPROVED

MMDadoda
12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:54:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 16:50:45 2020
Response via : Initial Calibration



TIC: VY003839.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.899min (-0.006) 2.11ug/L

response 5536

Ion	Exp%	Act%
101.00	100	100
85.00	43.10	90.21#
151.00	84.50	92.72
0.00	0.00	0.00

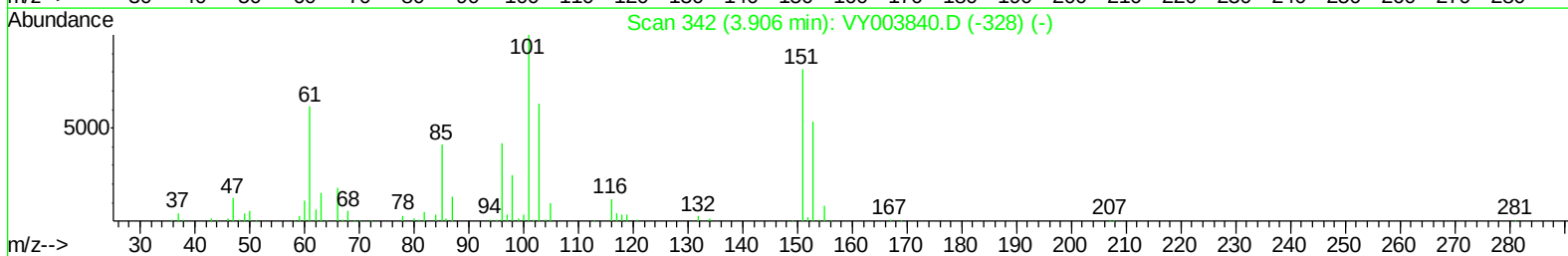
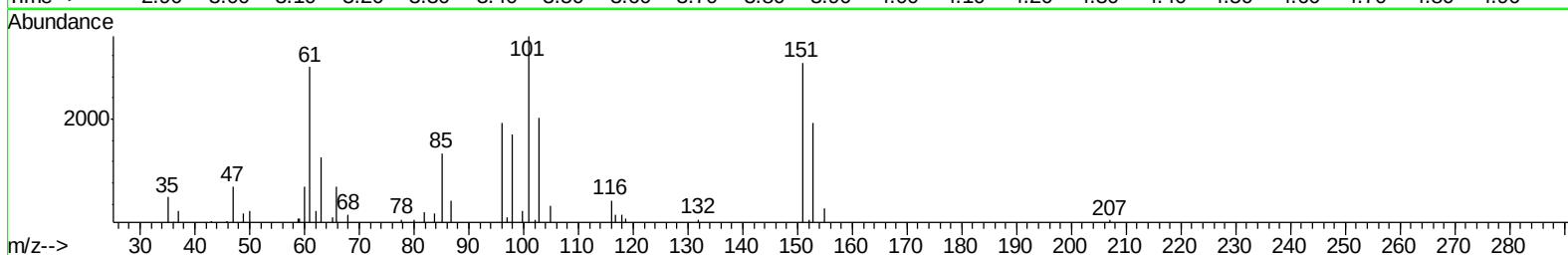
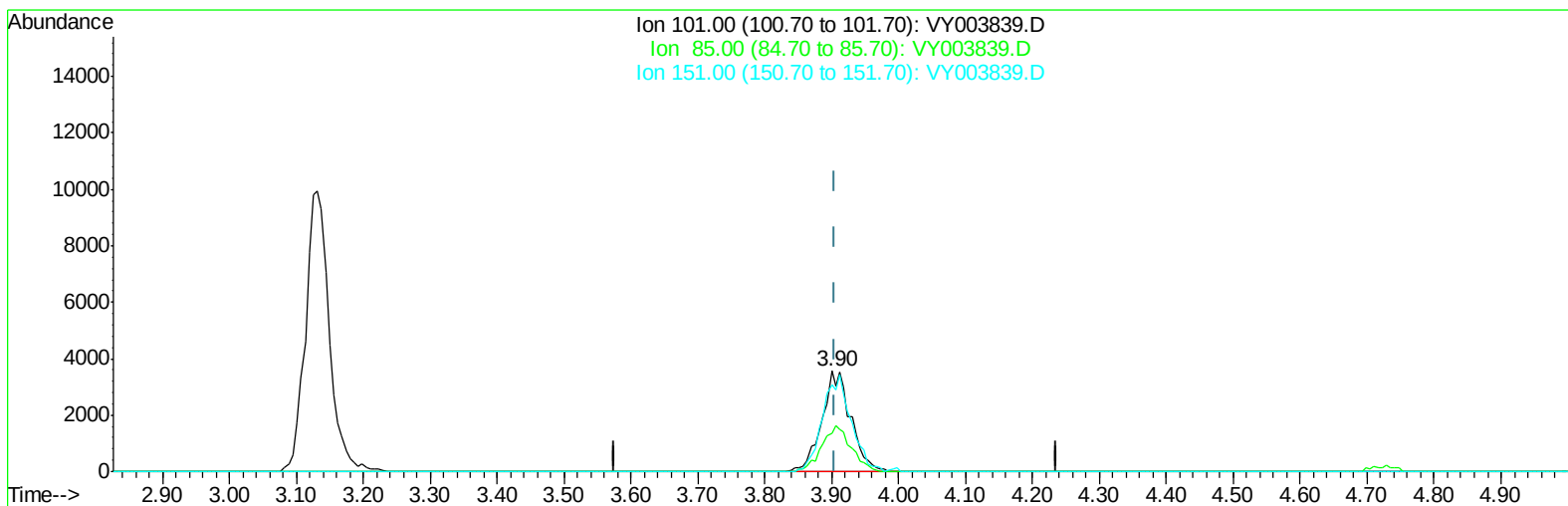
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
Data File : VY003839.D
Acq On : 23 Dec 2020 16:01
Operator : SY/MD
Sample : VSTD00580
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

Manual Integrations
APPROVED

MMDadoda
12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:54:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 16:50:45 2020
Response via : Initial Calibration



TIC: VY003839.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.899min (-0.006) 4.06ug/L m

response 10674

Ion	Exp%	Act%
101.00	100	100
85.00	43.10	46.79
151.00	84.50	48.09#
0.00	0.00	0.00

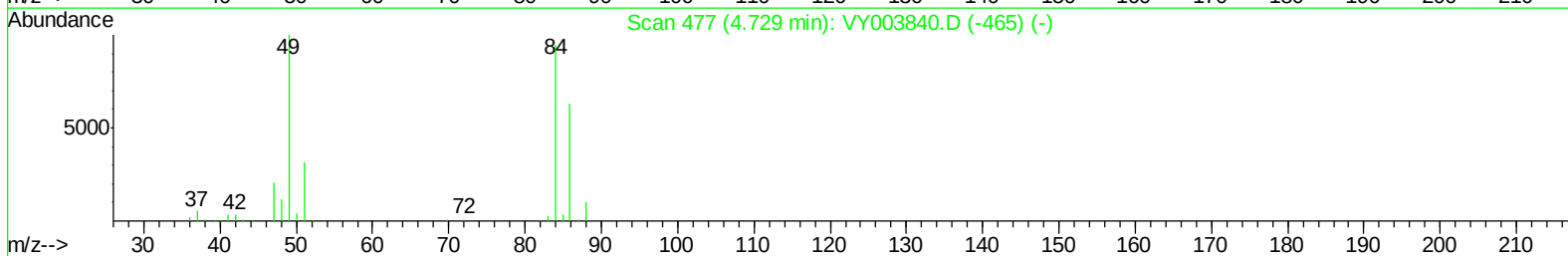
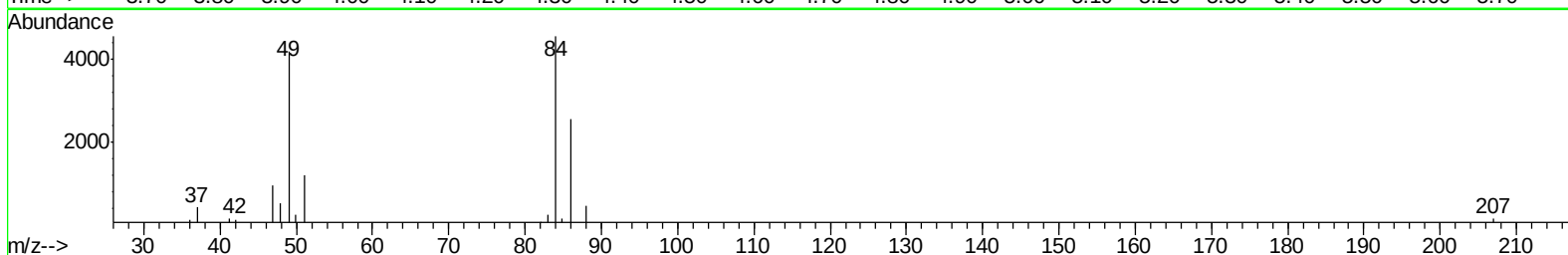
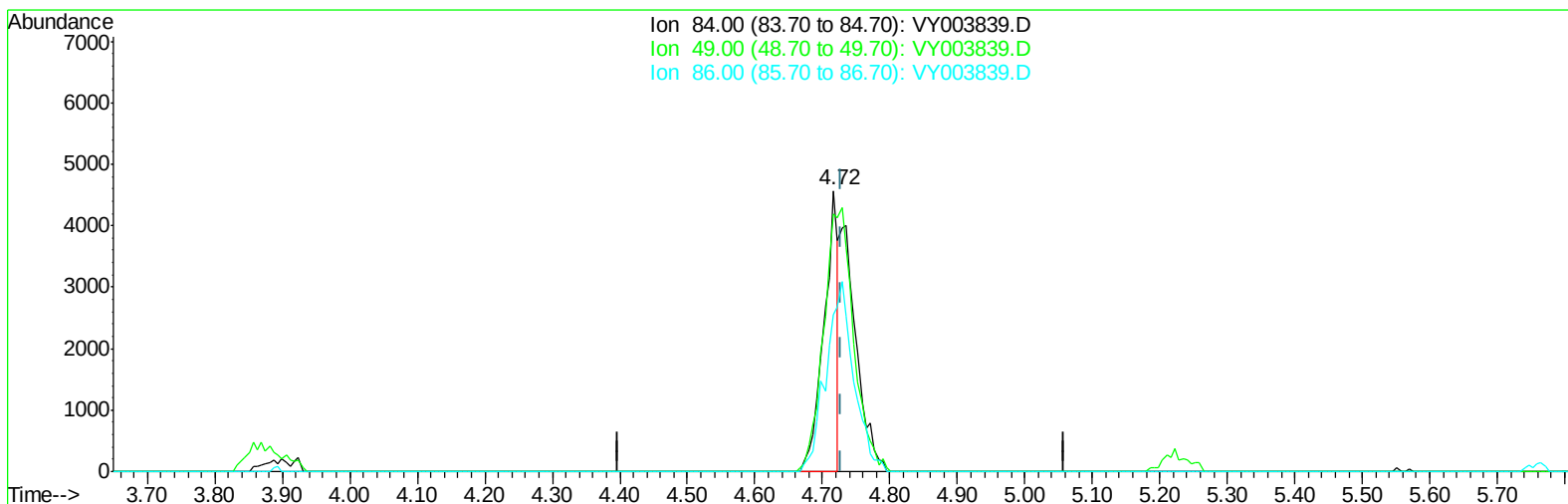
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
Data File : VY003839.D
Acq On : 23 Dec 2020 16:01
Operator : SY/MD
Sample : VSTD00580
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

Manual Integrations
APPROVED

MMDadoda
12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:54:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 16:50:45 2020
Response via : Initial Calibration



TIC: VY003839.D

(16) Methylene chloride (T)

4.716min (-0.012) 2.06ug/L

response 6697

Ion	Exp%	Act%
84.00	100	100
49.00	105.80	91.96
86.00	66.60	56.11
0.00	0.00	0.00

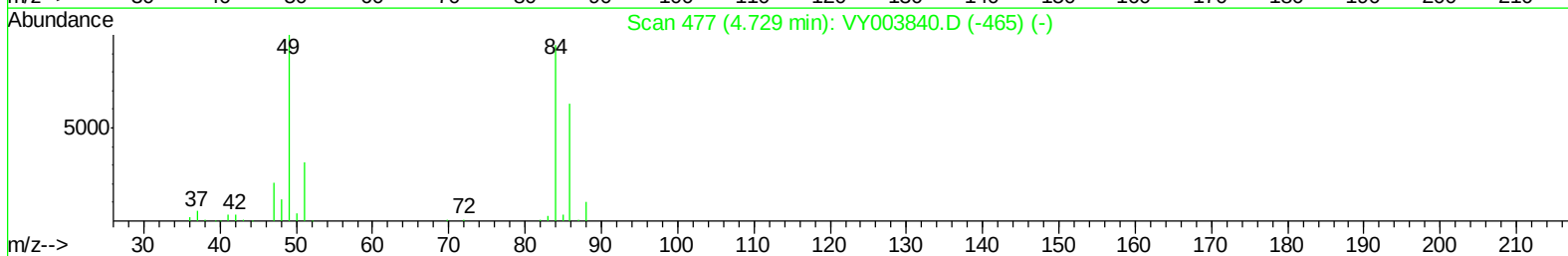
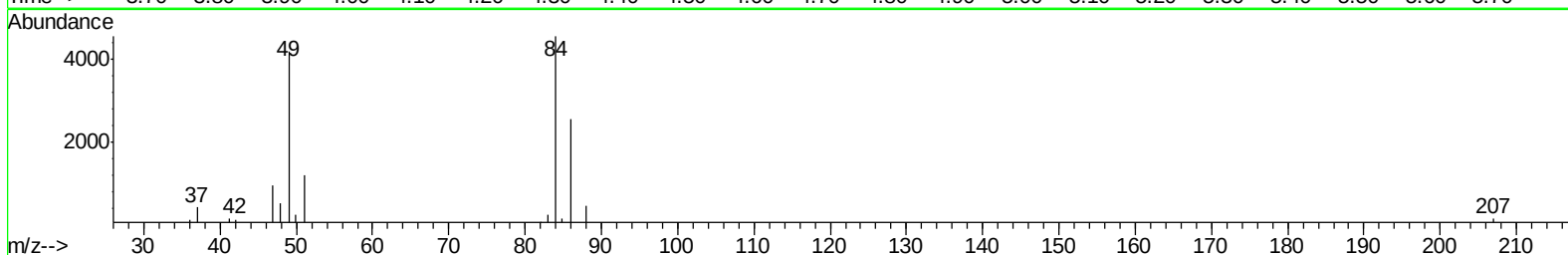
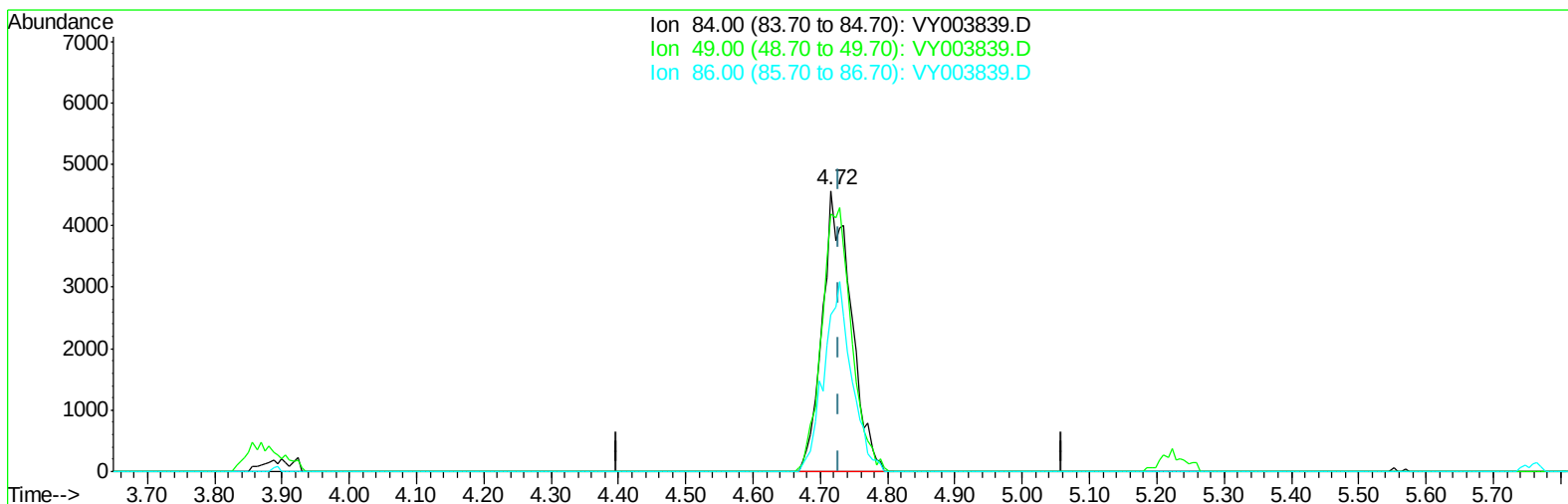
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
Data File : VY003839.D
Acq On : 23 Dec 2020 16:01
Operator : SY/MD
Sample : VSTD00580
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

Manual Integrations
APPROVED

MMDadoda
12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:54:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 16:50:45 2020
Response via : Initial Calibration



TIC: VY003839.D

(16) Methylene chloride (T)
4.716min (-0.012) 4.17ug/L m
response 13567

Ion	Exp%	Act%
84.00	100	100
49.00	105.80	91.96
86.00	66.60	56.11
0.00	0.00	0.00

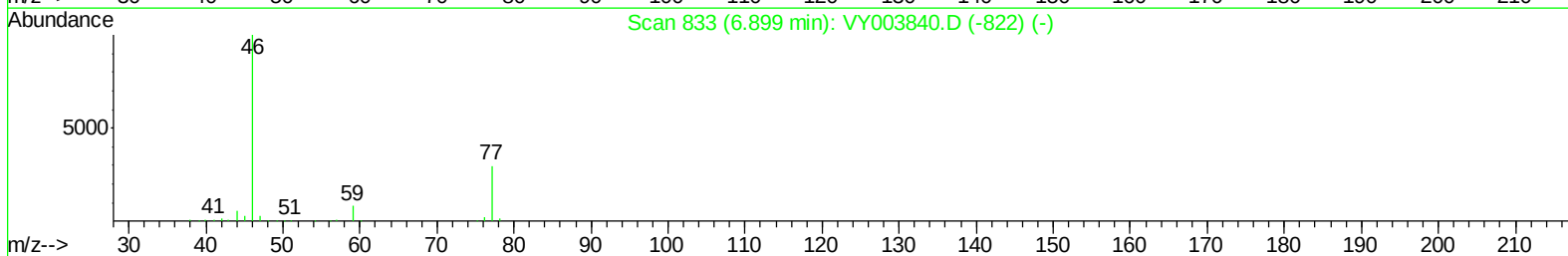
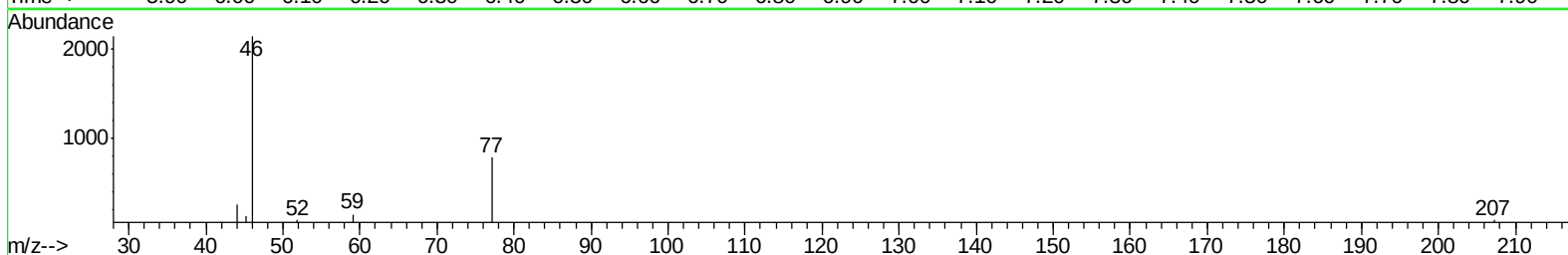
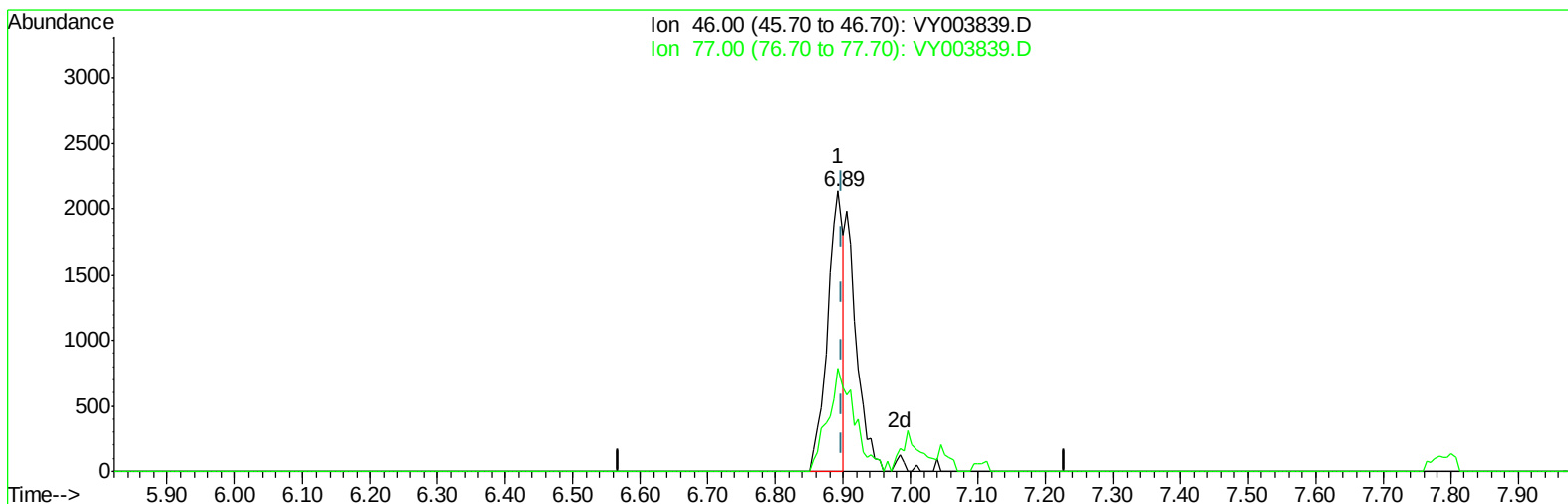
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
Data File : VY003839.D
Acq On : 23 Dec 2020 16:01
Operator : SY/MD
Sample : VSTD00580
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

Manual Integrations
APPROVED

MMDadoda
12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:54:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 16:50:45 2020
Response via : Initial Calibration



TIC: VY003839.D

(20) 2-Butanone-d5 (S)
6.893min (-0.006) 3.30ug/L
response 3373

Ion	Exp%	Act%
46.00	100	100
77.00	29.80	42.54#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
 Data File : VY003839.D
 Acq On : 23 Dec 2020 16:01
 Operator : SY/MD
 Sample : VSTD00580
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Manual Integrations
 APPROVED

MMDadoda
 12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:58:20 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M

Quant Title : VOC Analysis

QLast Update : Wed Dec 23 16:50:45 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	180735	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	228314	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	126103	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	19324	7.72	ug/L	0.00
7) Chloroethane-d5	2.77	69	12253	6.68	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	20529	4.05	ug/L	0.00
20) 2-Butanone-d5	6.89	46	5867m	5.74	ug/L	0.00
24) Chloroform-d	7.49	84	21445	4.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	13897	5.25	ug/L	0.00
29) Benzene-d6	8.11	84	41916	3.17	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	15215	3.78	ug/L	0.00
37) Toluene-d8	10.18	98	62543	5.17	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.43	79	9524	4.78	ug/L	0.00
39) 2-Hexanone-d5	10.78	63	9601	8.86	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	17980	5.12	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	24923	5.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	21146	6.737 ug/L	99
3) Chloromethane	2.12	50	20099	7.009 ug/L	100
5) Vinyl chloride	2.25	62	21604	7.422 ug/L	96
6) Bromomethane	2.65	94	11637	6.687 ug/L	98
8) Chloroethane	2.80	64	10182	6.109 ug/L	85
9) Trichlorofluoromethane	3.13	101	24460	5.618 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	10674m	4.064 ug/L	
12) 1,1-Dichloroethene	3.88	96	10190	4.056 ug/L	88
13) Acetone	3.95	43	4641	6.528 ug/L	92
14) Carbon disulfide	4.20	76	29833	3.417 ug/L #	95
15) Methyl Acetate	4.48	43	4696	2.580 ug/L #	97
16) Methylene chloride	4.72	84	13567m	4.172 ug/L	
17) Methyl tert-butyl Ether	5.23	73	27912	4.023 ug/L #	85
18) trans-1,2-Dichloroethene	5.23	96	10868	3.989 ug/L	93
19) 1,1-Dichloroethane	6.03	63	15553	3.393 ug/L	95
21) 2-Butanone	7.00	43	6341	5.190 ug/L	89
22) cis-1,2-Dichloroethene	7.00	96	11944	4.129 ug/L	97
23) Bromochloromethane	7.34	128	6881	5.028 ug/L #	81
25) Chloroform	7.51	83	20664	4.631 ug/L	100
27) 1,2-Dichloroethane	8.24	62	15903	5.013 ug/L #	91
30) Cyclohexane	7.78	56	13062	2.170 ug/L	88
31) 1,1,1-Trichloroethane	7.71	97	21515	3.848 ug/L	99
32) Carbon tetrachloride	7.90	117	21299	4.256 ug/L	98
34) Benzene	8.17	78	44050	3.031 ug/L	100
35) Trichloroethene	8.94	95	15321	3.940 ug/L	97
36) Methylcyclohexane	9.19	83	26708	4.057 ug/L	97
40) 1,2-Dichloropropane	9.22	63	14312	3.879 ug/L	100
41) Bromodichloromethane	9.50	83	21749	4.633 ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	26401	4.454 ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	27325	7.882 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
 Data File : VY003839.D
 Acq On : 23 Dec 2020 16:01
 Operator : SY/MD
 Sample : VSTD00580
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Manual Integrations
 APPROVED

MMDadoda
 12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:58:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 16:50:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	10.25	91	77727	4.989	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	25338	4.678	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	15289	5.012	ug/L	98
47) Tetrachloroethene	10.72	164	16839	5.309	ug/L	97
49) 2-Hexanone	10.83	43	18708	7.878	ug/L	97
50) Dibromochloromethane	10.98	129	18271	5.064	ug/L	87
51) 1,2-Dibromoethane	11.09	107	15079	5.021	ug/L #	92
52) Chlorobenzene	11.51	112	52173	5.194	ug/L	96
53) Ethylbenzene	11.59	91	83073	4.891	ug/L	98
54) m,p-Xylene	11.70	106	33720	5.108	ug/L	99
55) o-xylene	12.03	106	31351	5.064	ug/L	87
56) Styrene	12.04	104	51880	4.893	ug/L	93
57) Isopropylbenzene	12.32	105	75324	4.558	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	17973	5.197	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	14672	5.043	ug/L	98
62) Bromoform	12.20	173	12079	4.622	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	42775	5.190	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	43910	5.200	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	38757	5.052	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.35	75	3330	4.560	ug/L	92
67) 1,3,5-Trichlorobenzene	14.50	180	31123	5.343	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	26022	5.218	ug/L	99
69) Naphthalene	15.23	128	53790	4.823	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	23416	5.185	ug/L	98

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

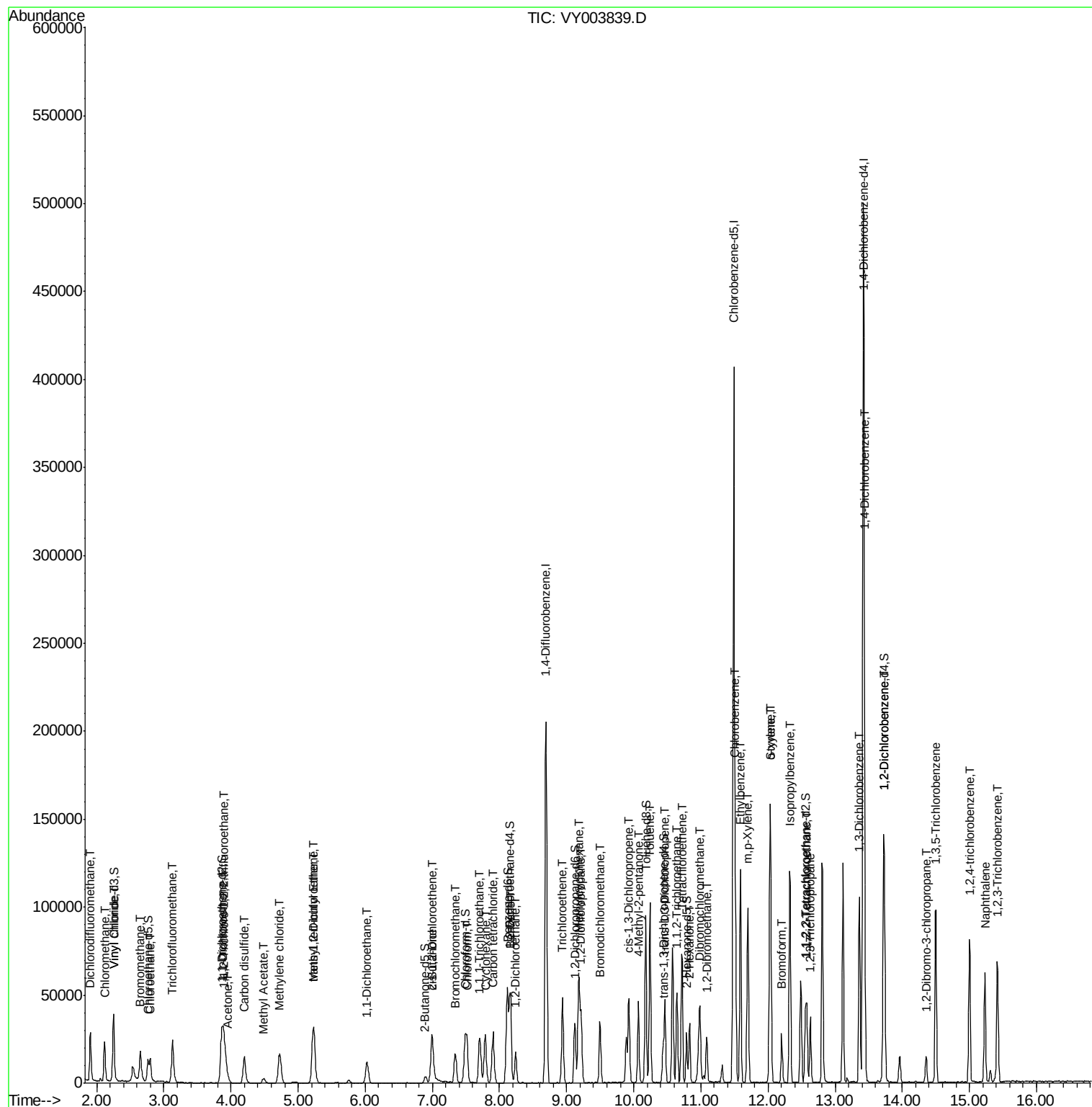
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
Data File : VY003839.D
Acq On : 23 Dec 2020 16:01
Operator : SY/MD
Sample : VSTD00580
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

Manual Integrations
APPROVED

MMDadoda
12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:58:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 16:50:45 2020
Response via : Initial Calibration



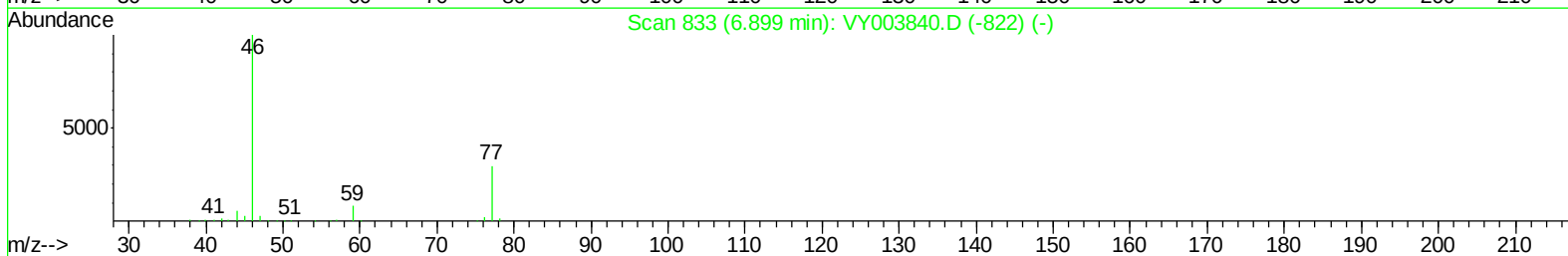
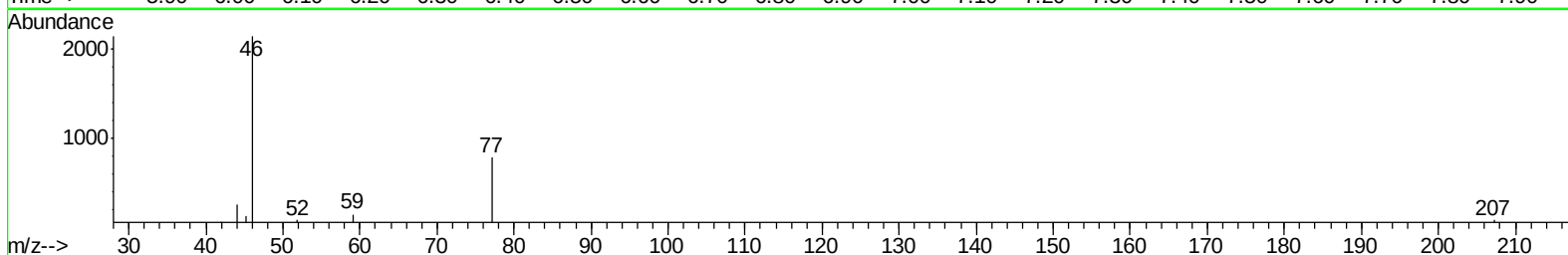
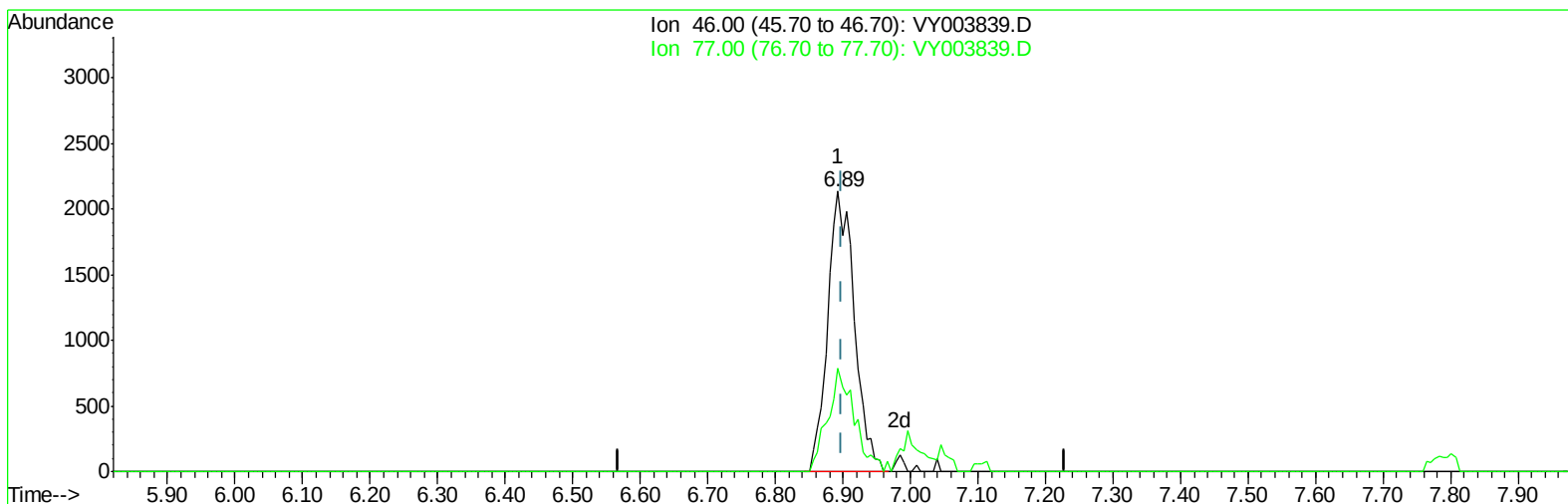
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
Data File : VY003839.D
Acq On : 23 Dec 2020 16:01
Operator : SY/MD
Sample : VSTD00580
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

Manual Integrations
APPROVED

MMDadoda
12/24/2020 2:34:27 PM

Quant Time: Dec 23 16:54:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 16:50:45 2020
Response via : Initial Calibration



TIC: VY003839.D

(20) 2-Butanone-d5 (S)

6.893min (-0.006) 5.74ug/L m

response 5867

Ion	Exp%	Act%
46.00	100	100
77.00	29.80	24.46
0.00	0.00	0.00
0.00	0.00	0.00