

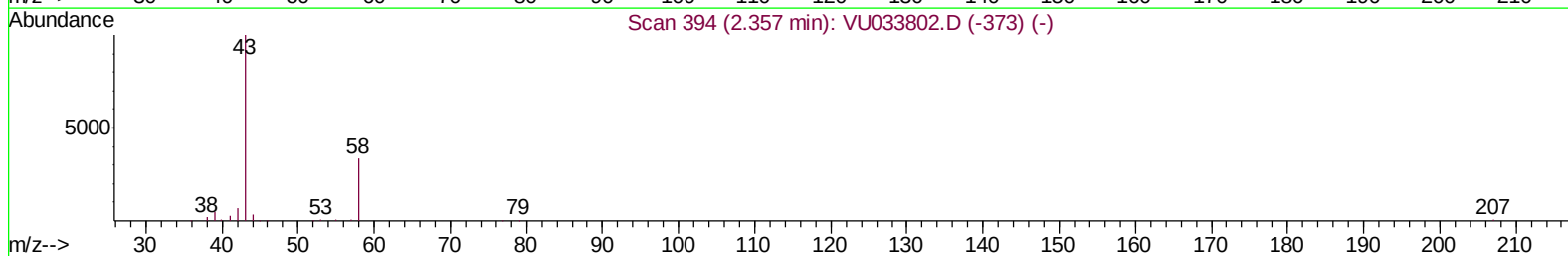
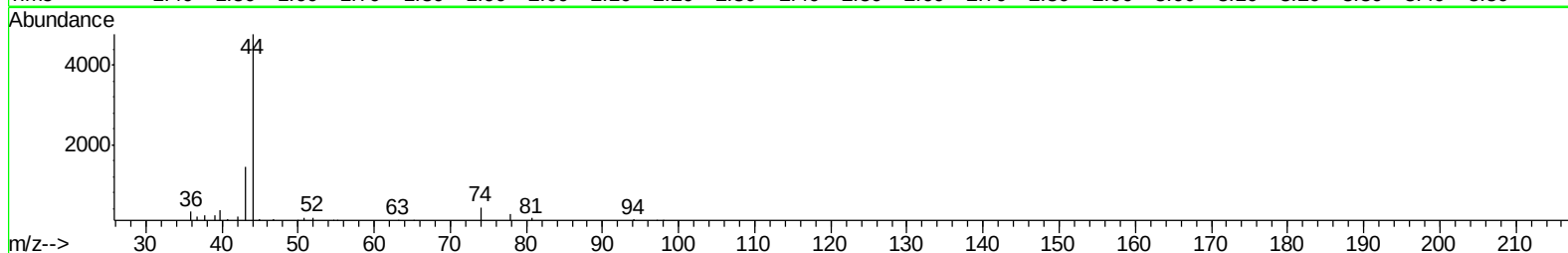
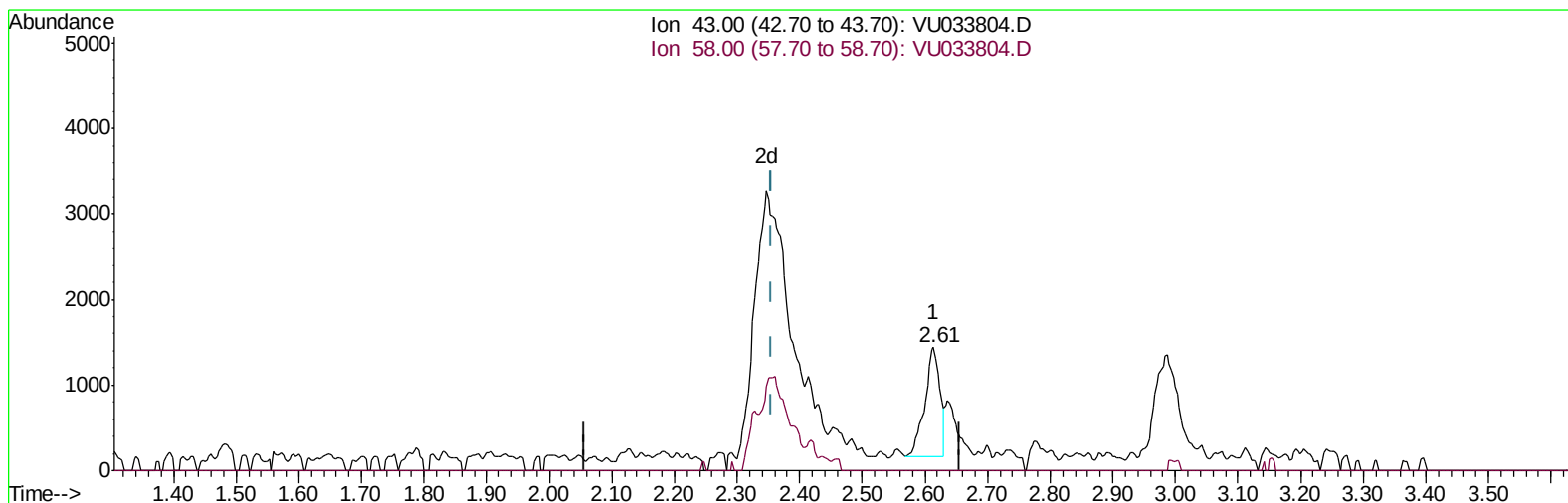
Data File : VU033804.D
Acq On : 15 Aug 2019 11:50
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

Quant Time: Aug 16 01:11:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration



TIC: VU033804.D

(13) Acetone (T)

2.614min (+0.257) 0.50ug/L

response 2169

Ion	Exp%	Act%
43.00	100	100
58.00	13.50	4.56
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VU033804.D

Acq On : 15 Aug 2019 11:50

Operator : JC/SP

Sample : MDL03

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

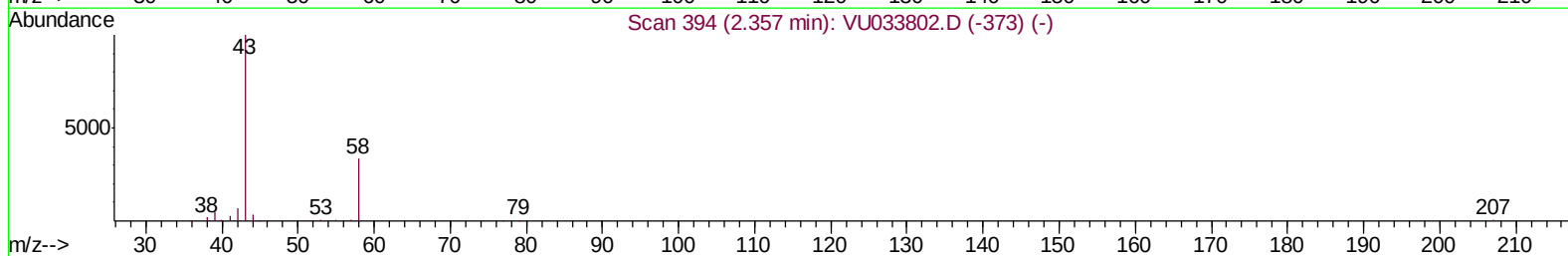
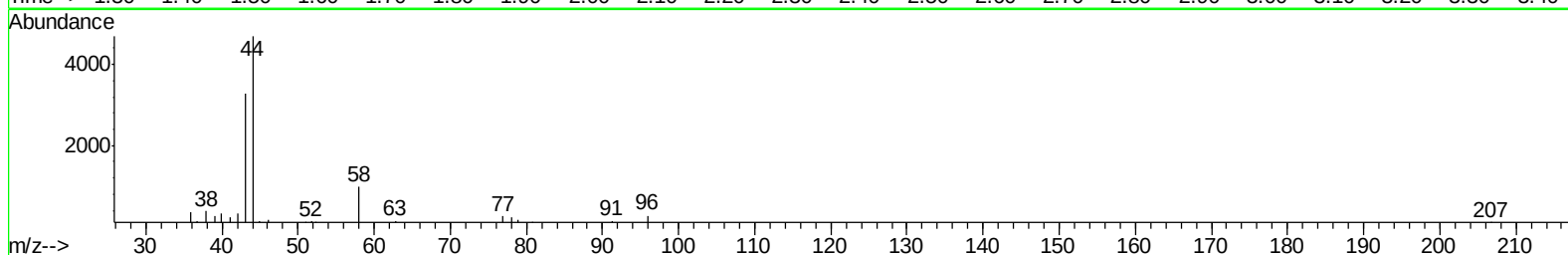
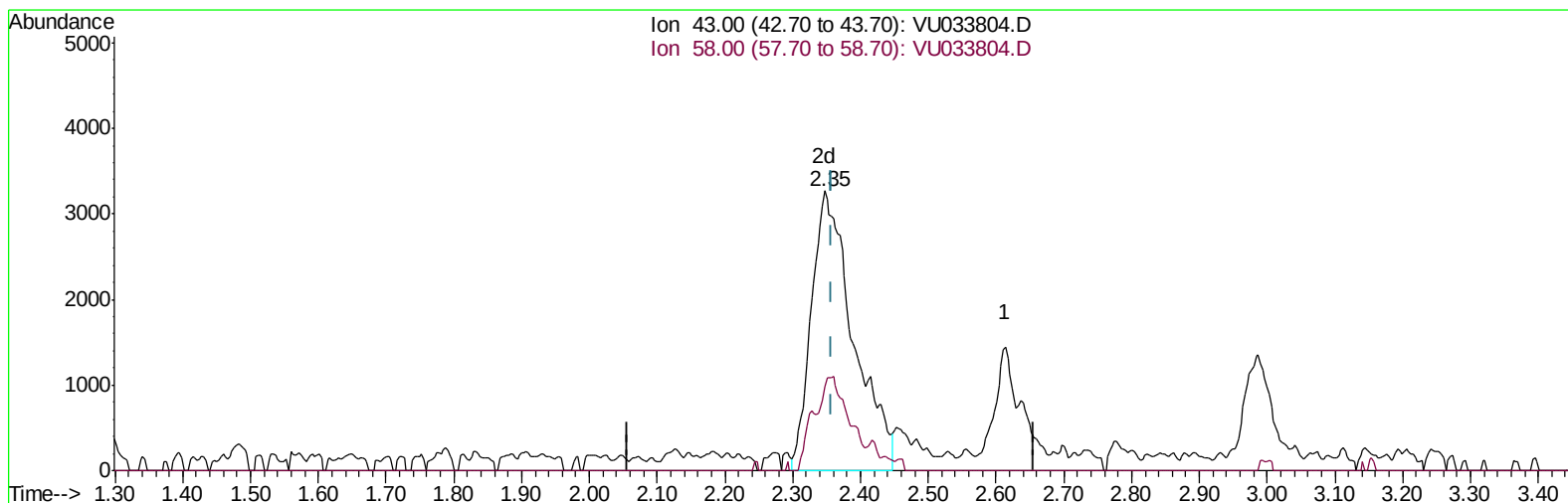
Quant Time: Aug 16 01:11:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 16 01:09:16 2019

Response via : Initial Calibration



TIC: VU033804.D

(13) Acetone (T)

2.347min (-0.010) 3.21ug/L m

response 14003

Ion	Exp%	Act%
43.00	100	100
58.00	13.50	0.71
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VU033804.D

Acq On : 15 Aug 2019 11:50

Operator : JC/SP

Sample : MDL03

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

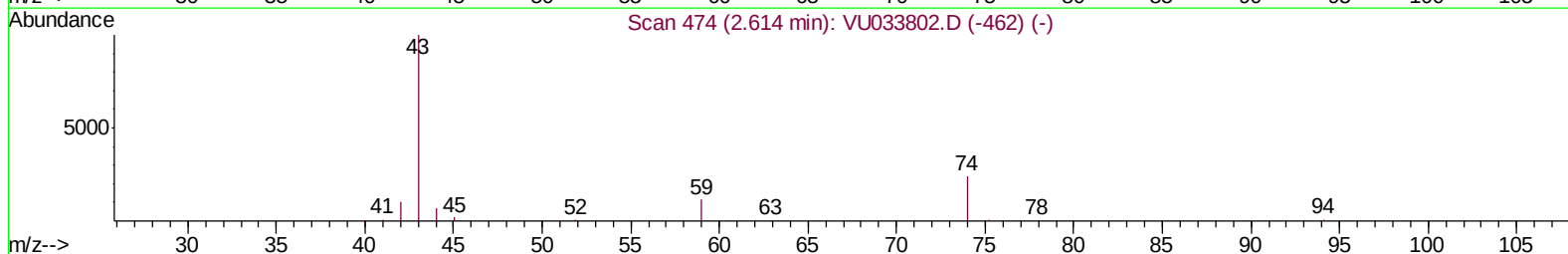
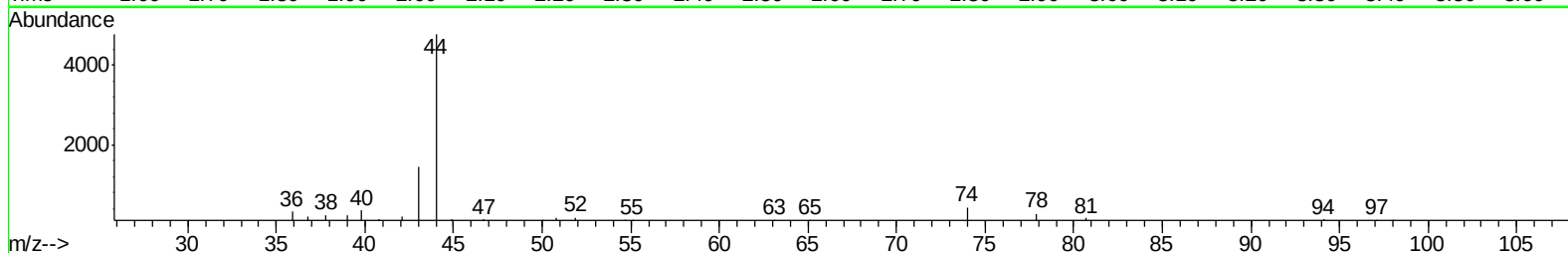
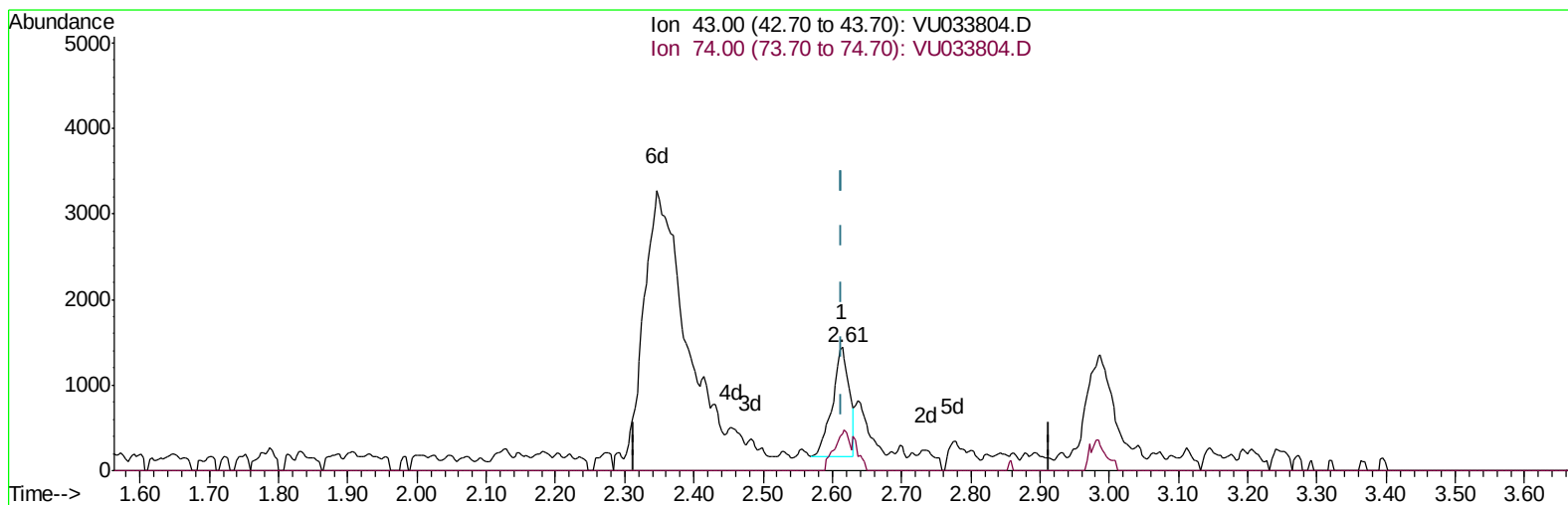
Quant Time: Aug 16 01:11:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 16 01:09:16 2019

Response via : Initial Calibration



TIC: VU033804.D

(15) Methyl Acetate (T)

2.614min (-0.000) 0.19ug/L

response 2169

Ion	Exp%	Act%
43.00	100	100
74.00	23.50	32.78#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VU033804.D

Acq On : 15 Aug 2019 11:50

Operator : JC/SP

Sample : MDL03

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

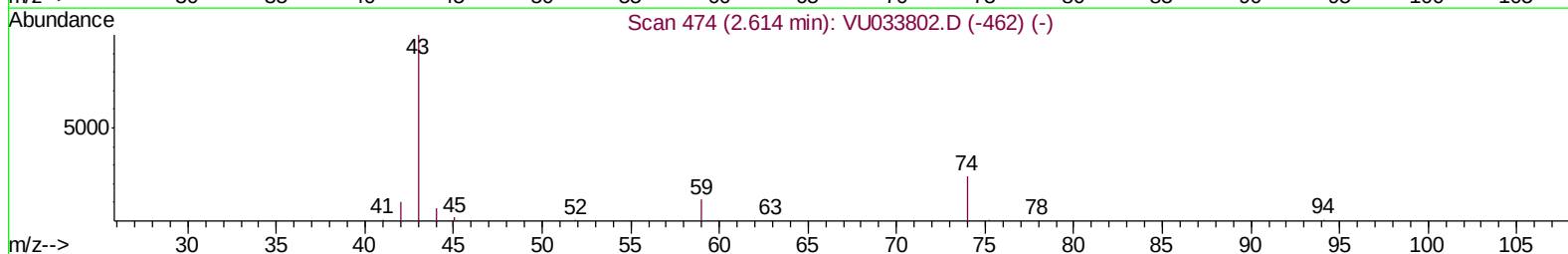
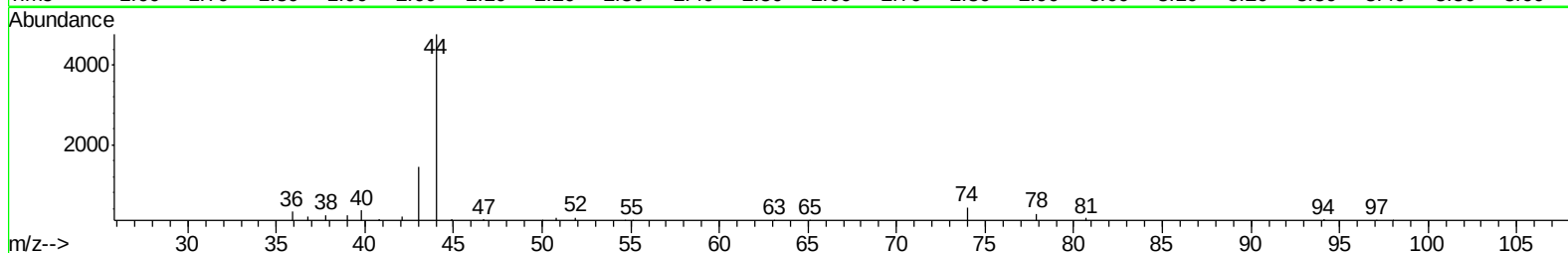
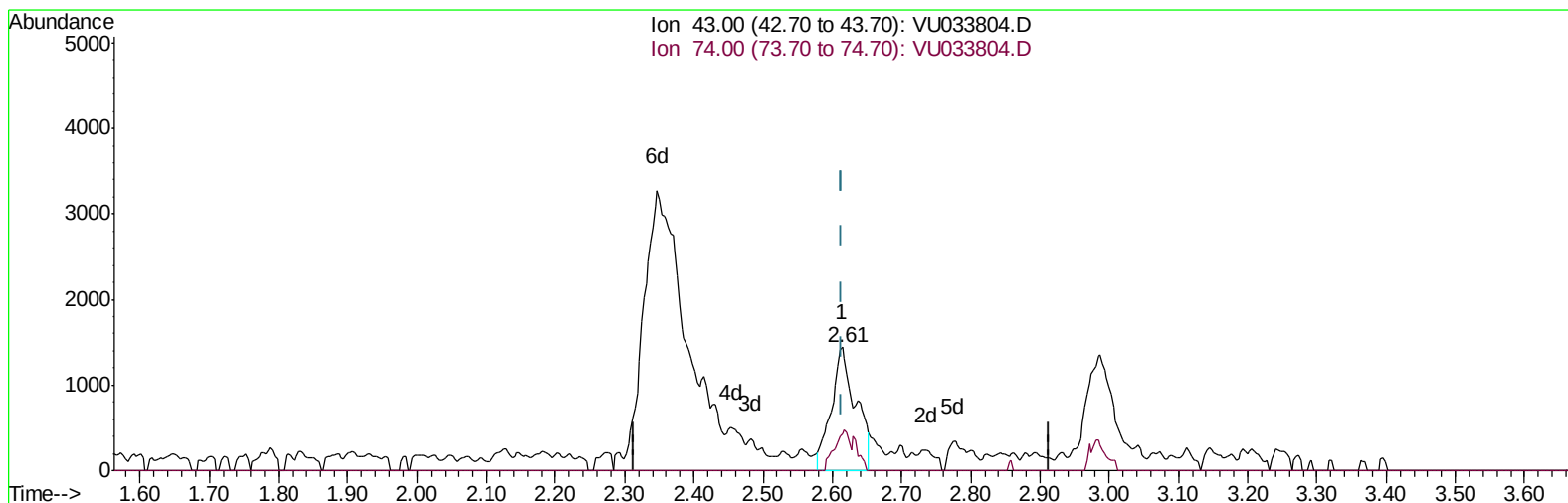
Quant Time: Aug 16 01:11:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 16 01:09:16 2019

Response via : Initial Calibration



TIC: VU033804.D

(15) Methyl Acetate (T)

2.614min (-0.000) 0.31ug/L m

response 3559

Ion	Exp%	Act%
43.00	100	100
74.00	23.50	19.98
0.00	0.00	0.00
0.00	0.00	0.00

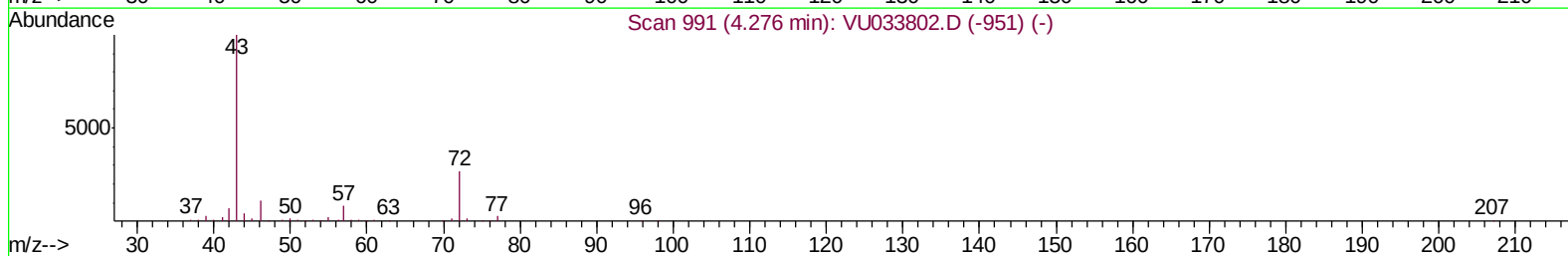
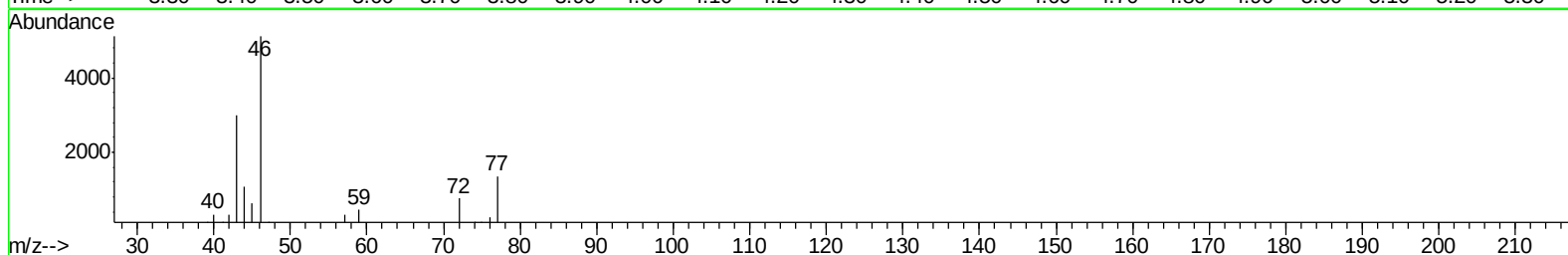
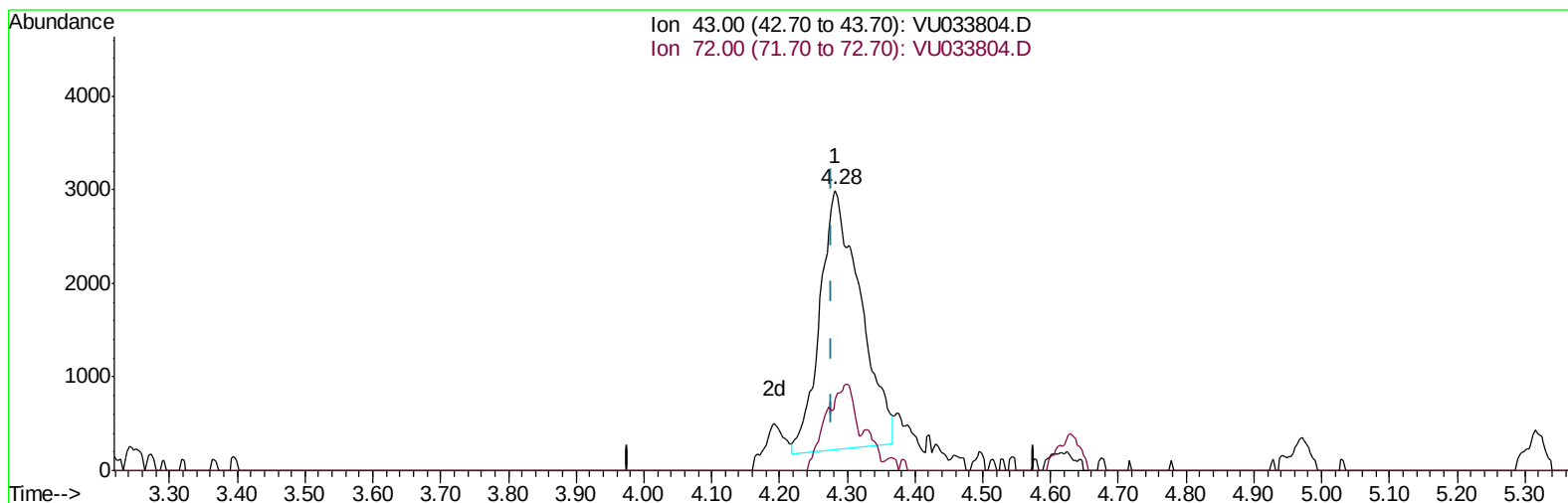
Data File : VU033804.D
Acq On : 15 Aug 2019 11:50
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

Quant Time: Aug 16 01:11:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration



TIC: VU033804.D

(21) 2-Butanone (T)
4.283min (+0.006) 2.13ug/L

response 11520

Ion	Exp%	Act%
43.00	100	100
72.00	26.10	23.56
0.00	0.00	0.00
0.00	0.00	0.00

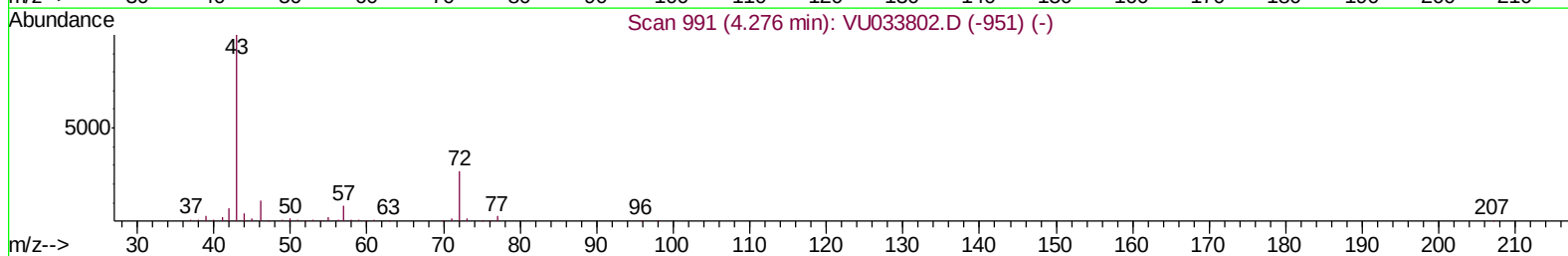
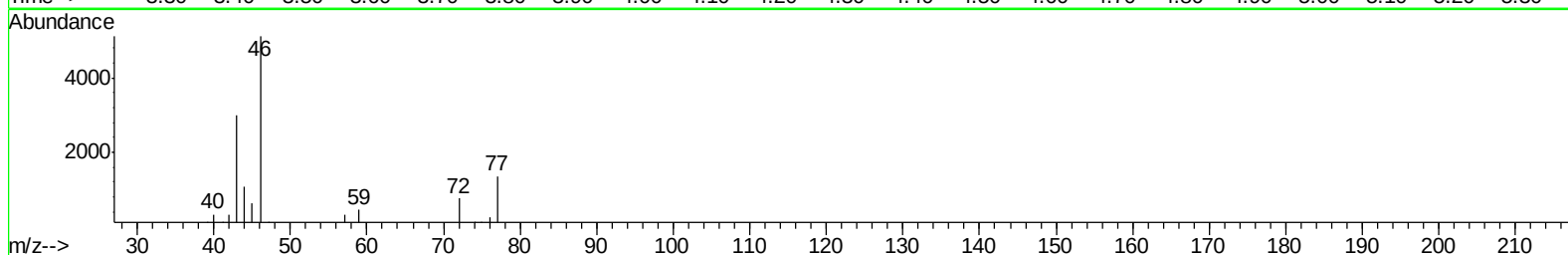
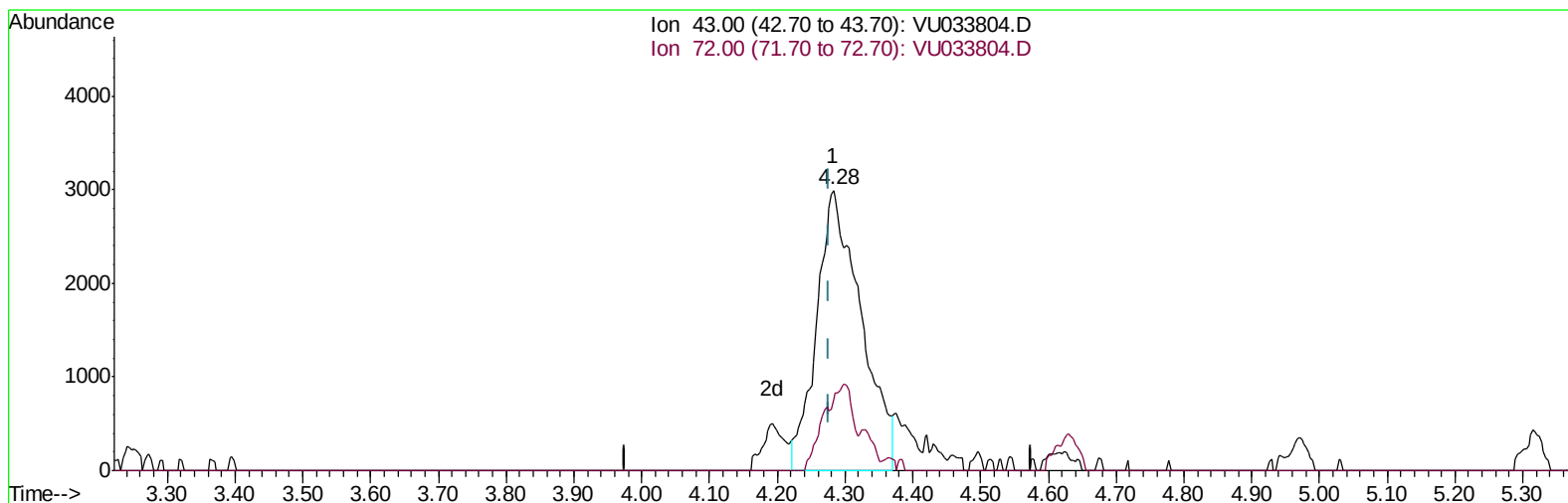
Data File : VU033804.D
Acq On : 15 Aug 2019 11:50
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

Quant Time: Aug 16 01:11:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration



TIC: VU033804.D

(21) 2-Butanone (T)
4.283min (+0.006) 2.52ug/L m

response 13603

Ion	Exp%	Act%
43.00	100	100
72.00	26.10	19.95
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VU033804.D

Acq On : 15 Aug 2019 11:50

Operator : JC/SP

Sample : MDL03

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

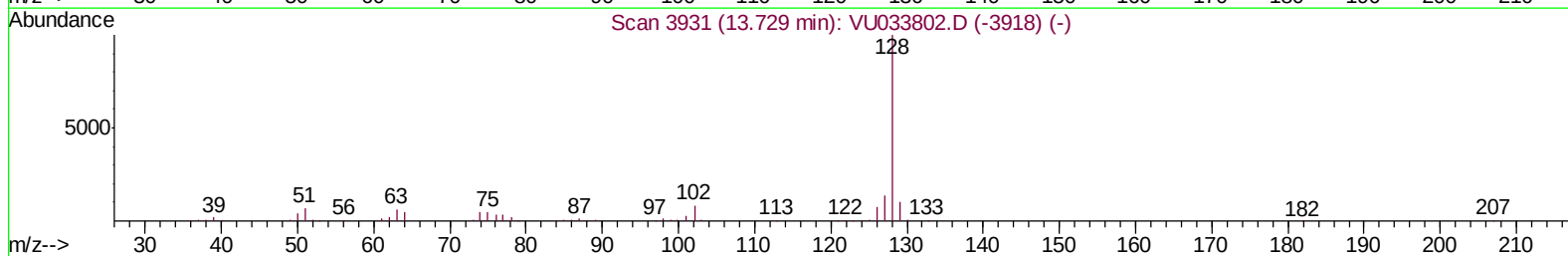
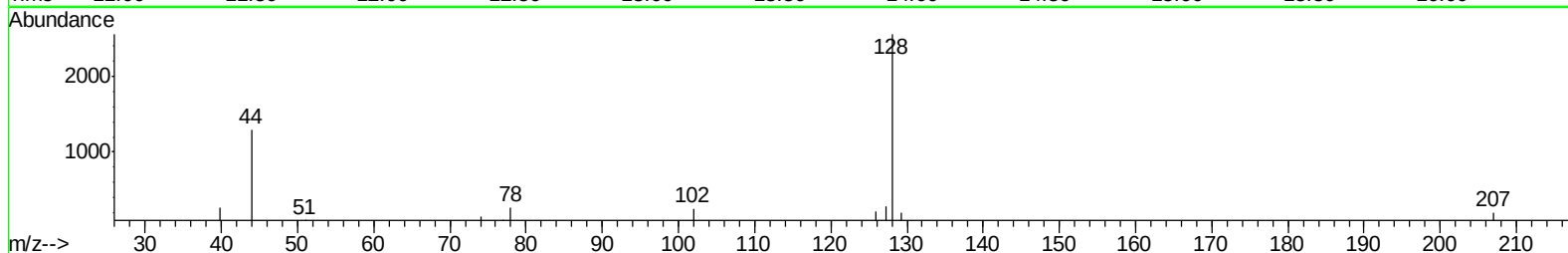
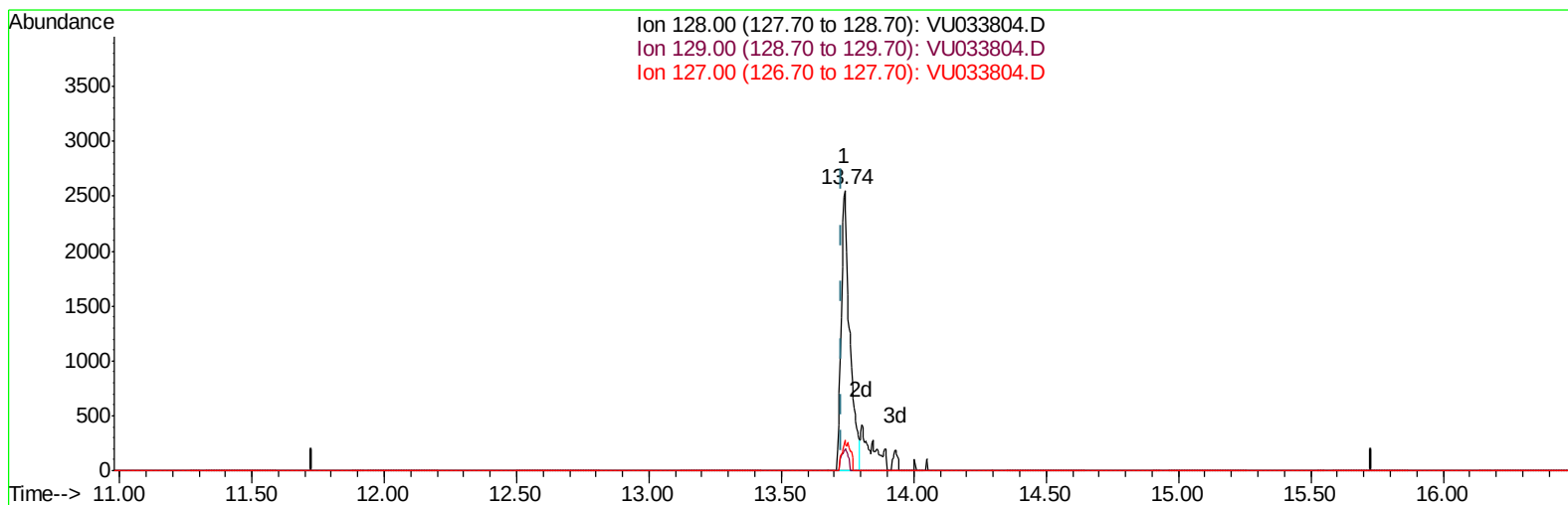
Quant Time: Aug 16 01:11:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 16 01:09:16 2019

Response via : Initial Calibration



TIC: VU033804.D

(71) Naphthalene

13.739min (+0.009) 0.16ug/L

response 5623

Ion	Exp%	Act%
128.00	100	100
129.00	10.60	5.90#
127.00	14.00	5.50#
0.00	0.00	0.00

Data File : VU033804.D

Acq On : 15 Aug 2019 11:50

Operator : JC/SP

Sample : MDL03

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

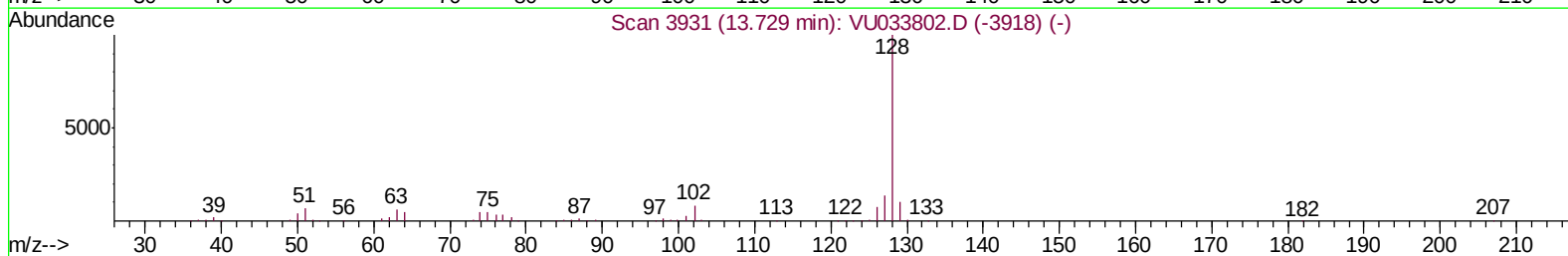
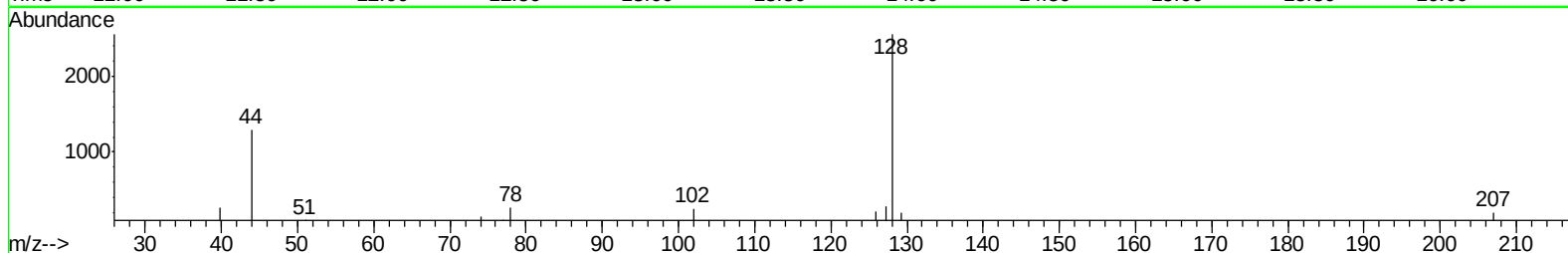
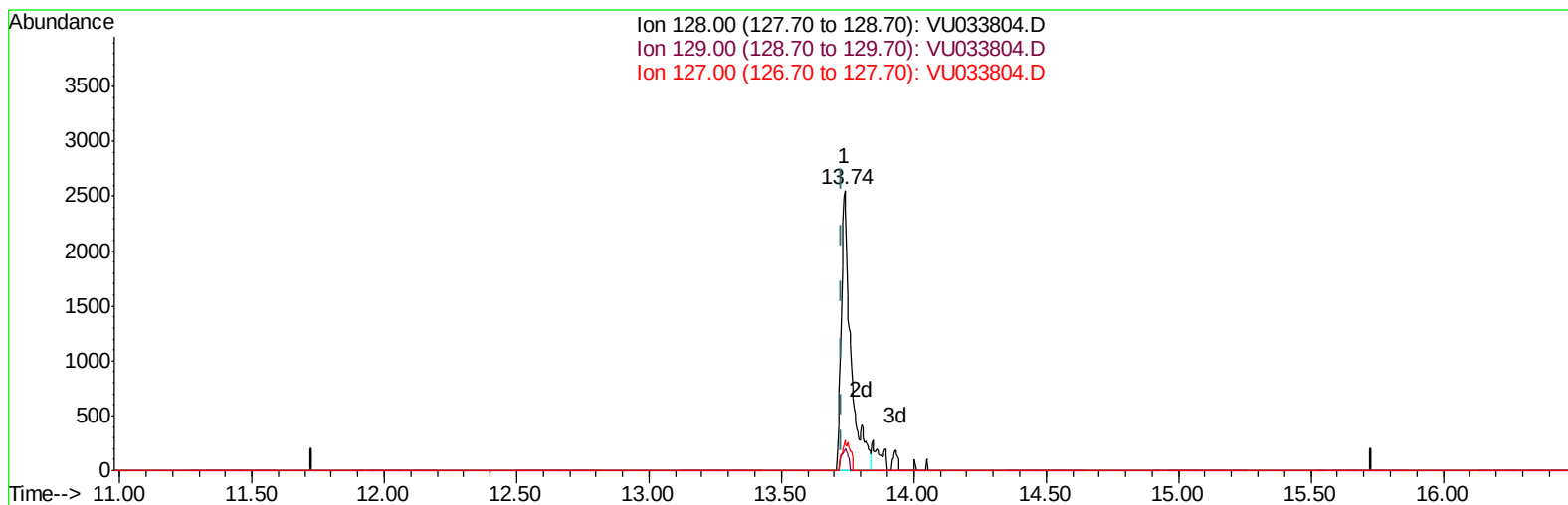
Quant Time: Aug 16 01:11:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 16 01:09:16 2019

Response via : Initial Calibration



TIC: VU033804.D

(71) Naphthalene

13.739min (+0.009) 0.18ug/L m

response 6336

Ion	Exp%	Act%
128.00	100	100
129.00	10.60	5.24#
127.00	14.00	4.88#
0.00	0.00	0.00

Data File : VU033804.D
Acq On : 15 Aug 2019 11:50
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

Quant Time: Aug 16 01:20:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	187420	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	194179	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	89599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	83914	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.67	69	71243	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.26	65	38629	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.19	46	188652	46.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.06%
24) Chloroform-d	4.62	84	134594	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.29	65	74530	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.32	84	251021	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.31	67	83304	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.55	98	210050	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
43) trans-1,3-Dichloropropene-	7.84	79	31079	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.30	63	129643	43.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.90%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	70144	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
66) 1,2-Dichlorobenzene-d4	11.85	152	86307	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5944	0.219 ug/L	97
3) Chloromethane	1.32	50	7662	0.272 ug/L	94
5) Vinyl chloride	1.39	62	8166	0.266 ug/L #	71
6) Bromomethane	1.62	94	4855	0.271 ug/L	93
8) Chloroethane	1.69	64	4979	0.274 ug/L	100
9) Trichlorofluoromethane	1.87	101	10666	0.253 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6760	0.302 ug/L	89
12) 1,1-Dichloroethene	2.27	96	6888	0.319 ug/L #	1
13) Acetone	2.35	43	14003m	3.206 ug/L	
14) Carbon disulfide	2.46	76	20283	0.277 ug/L	99
15) Methyl Acetate	2.61	43	3559m	0.313 ug/L	
16) Methylene chloride	2.68	84	9862	0.391 ug/L	88
17) Methyl tert-butyl Ether	2.98	73	14262	0.255 ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	6935	0.299 ug/L	85
19) 1,1-Dichloroethane	3.42	63	9211	0.254 ug/L	92
21) 2-Butanone	4.28	43	13603m	2.515 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	4868	0.246 ug/L	88

Data File : VU033804.D
Acq On : 15 Aug 2019 11:50
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

Quant Time: Aug 16 01:20:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	2293	0.242	ug/L	91
25) Chloroform	4.65	83	14469	0.371	ug/L	97
27) 1,2-Dichloroethane	5.39	62	6075	0.253	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	7743	0.245	ug/L	98
30) Cyclohexane	4.97	56	6038	0.211	ug/L	97
31) Carbon tetrachloride	5.11	117	7007	0.249	ug/L	96
33) Benzene	5.37	78	19888	0.256	ug/L	100
34) Trichloroethene	6.17	95	5331	0.262	ug/L	92
35) Methylcyclohexane	6.39	83	6152	0.201	ug/L	98
37) 1,2-Dichloropropane	6.42	63	5430	0.259	ug/L	98
38) Bromodichloromethane	6.74	83	6959	0.263	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	6273	0.221	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	25316	2.087	ug/L #	88
42) Toluene	7.62	91	19200	0.235	ug/L	90
44) trans-1,3-Dichloropropene	7.87	75	5464	0.231	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	3373	0.225	ug/L	95
47) Tetrachloroethene	8.21	164	4059	0.239	ug/L	95
48) 2-Hexanone	8.36	43	27092	3.089	ug/L	96
49) Dibromochloromethane	8.46	129	4474	0.246	ug/L	87
50) 1,2-Dibromoethane	8.57	107	3523	0.243	ug/L #	95
51) Chlorobenzene	9.10	112	12890	0.245	ug/L	97
52) Ethylbenzene	9.23	91	18219	0.216	ug/L	99
53) m,p-Xylene	9.36	106	6433	0.202	ug/L	99
54) o-Xylene	9.76	106	6086	0.201	ug/L	97
55) Styrene	9.78	104	9886	0.188	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.44	83	4773	0.242	ug/L #	96
59) Isopropylbenzene	10.15	105	15013	0.220	ug/L	99
60) Bromoform	9.94	173	2565	0.280	ug/L #	94
61) 1,2,3-Trichloropropane	10.48	75	3323	0.279	ug/L	96
62) 1,3,5-Trimethylbenzene	10.76	105	10789	0.195	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	10944	0.198	ug/L	98
64) 1,3-Dichlorobenzene	11.40	146	9517	0.261	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	10557	0.281	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	9897	0.281	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	6923	0.241	ug/L	97
70) 1,2,4-trichlorobenzene	13.50	180	4360	0.195	ug/L	96
71) Naphthalene	13.74	128	6336m	0.184	ug/L	
72) 1,2,3-Trichlorobenzene	13.98	180	4586	0.218	ug/L	96

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

Data File : VU033804.D
Acq On : 15 Aug 2019 11:50
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
8/16/2019 12:45:08 PM

Quant Time: Aug 16 01:20:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration

