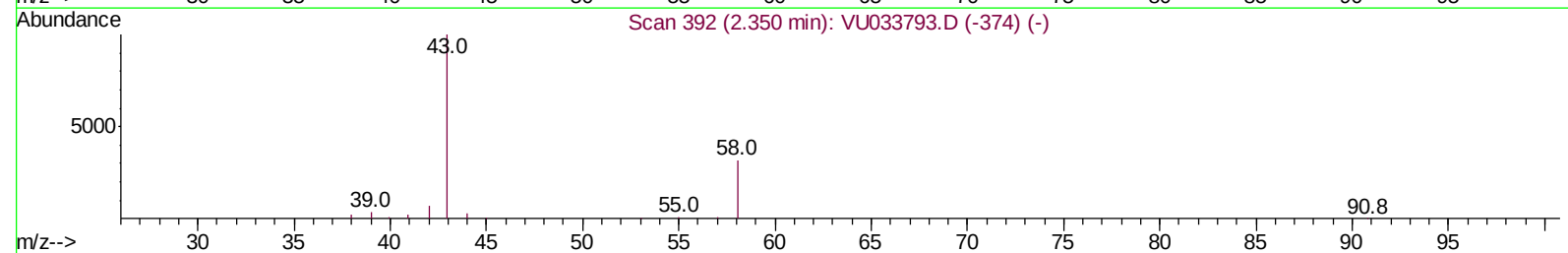
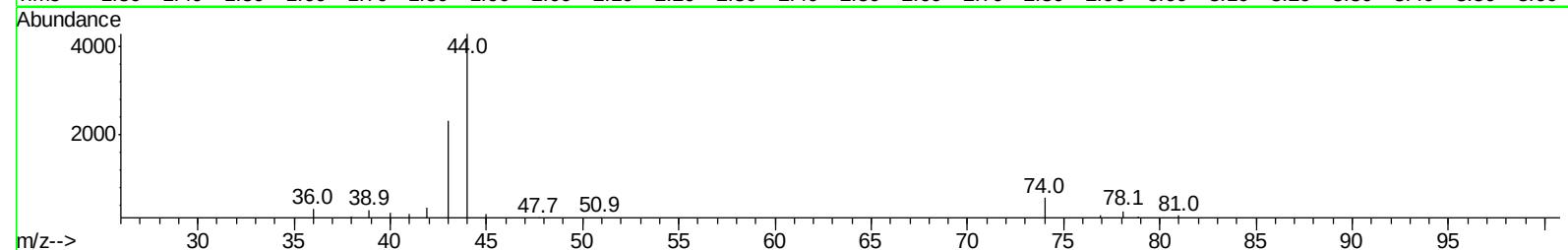
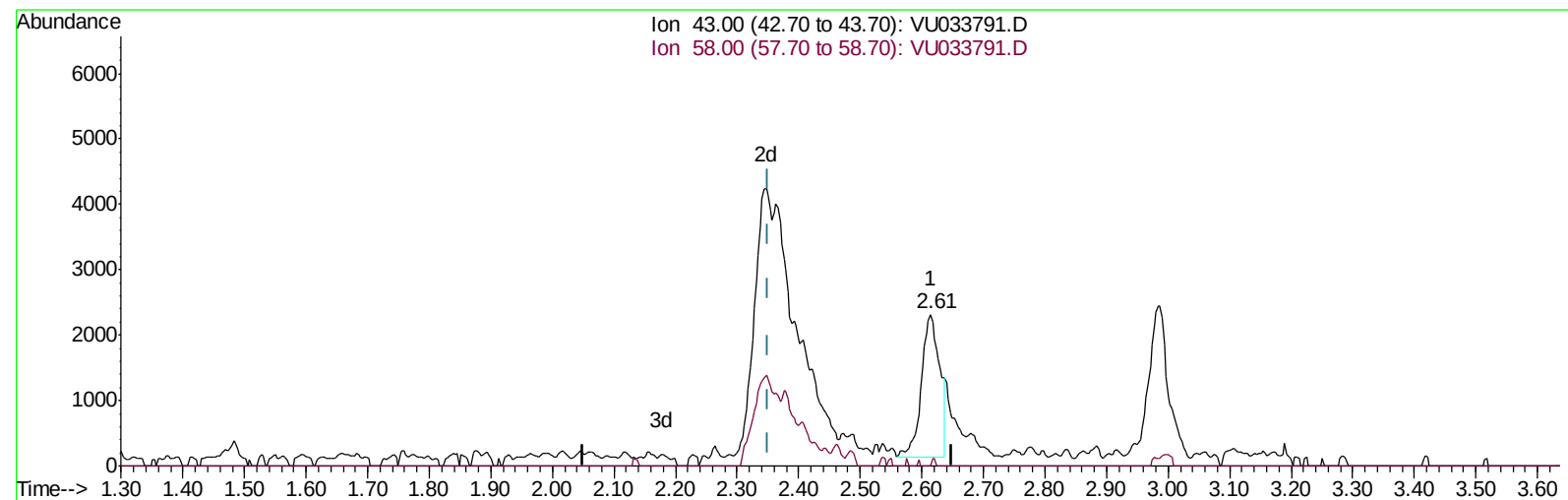


Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
Data File : VU033791.D
Acq On : 14 Aug 2019 09:22
Operator : JC/SP
Sample : VSTD0.504
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 14:22:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 14:18:33 2019
Response via : Initial Calibration



TIC: VU033791.D

(13) Acetone (T)

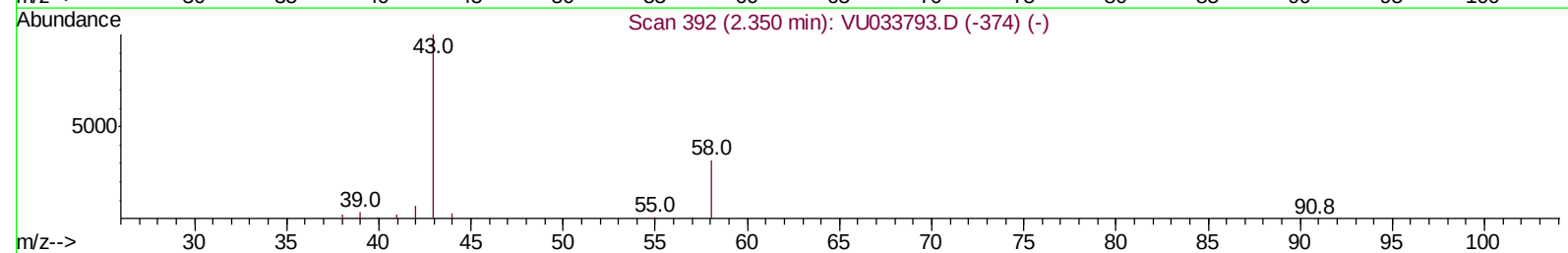
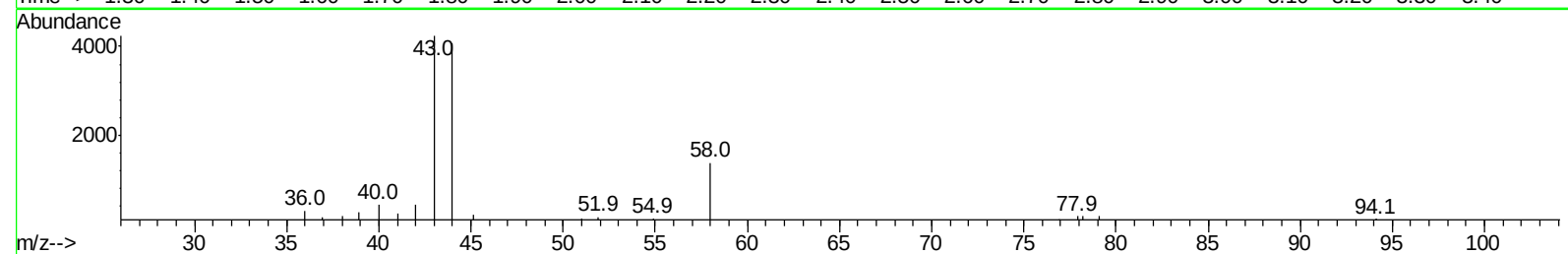
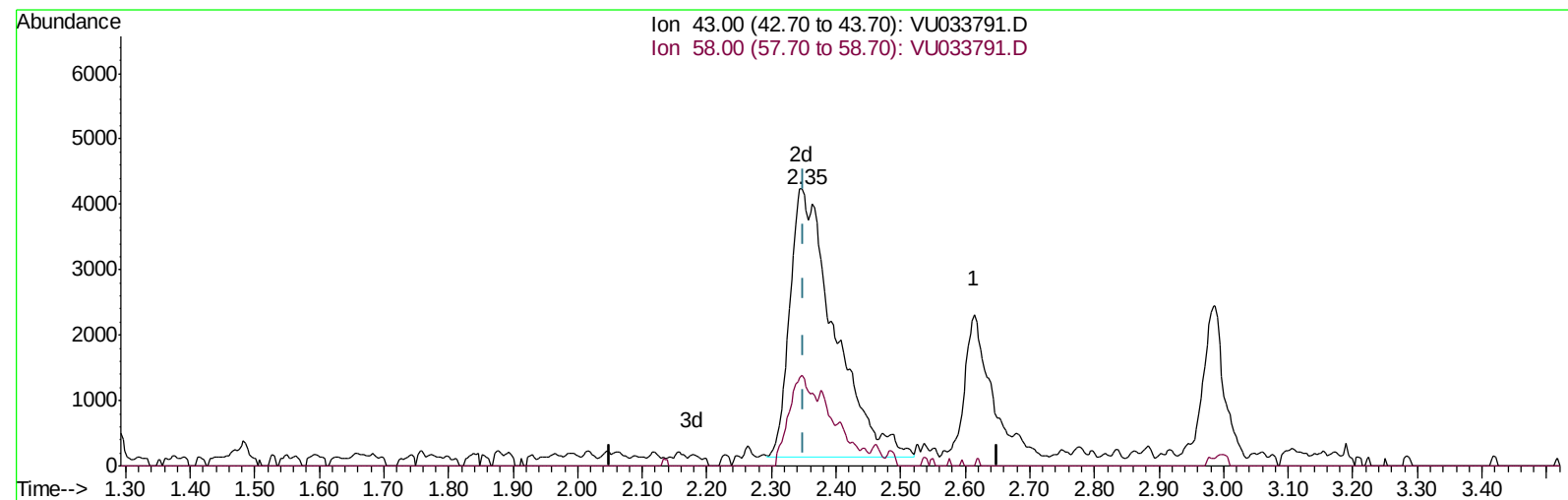
2.614min (+0.264) 1.16ug/L

response 4510

Ion	Exp%	Act%
43.00	100	100
58.00	13.50	4.17
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU081419\
Data File : VU033791.D
Acq On : 14 Aug 2019 09:22
Operator : JC/SP
Sample : VSTD0.504
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 14:22:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 14:18:33 2019
Response via : Initial Calibration



TIC: VU033791.D

(13) Acetone (T)

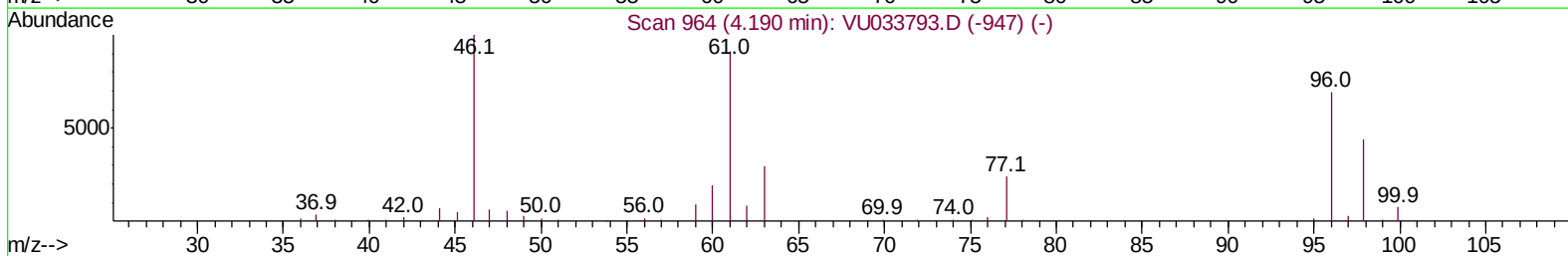
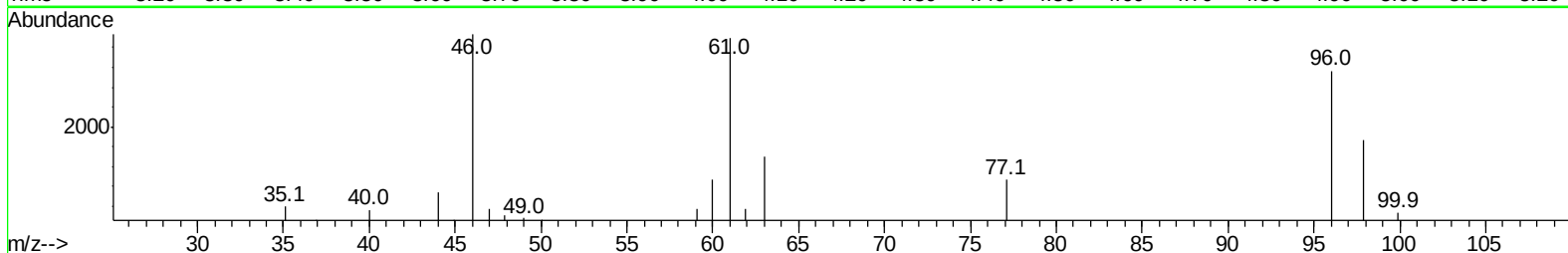
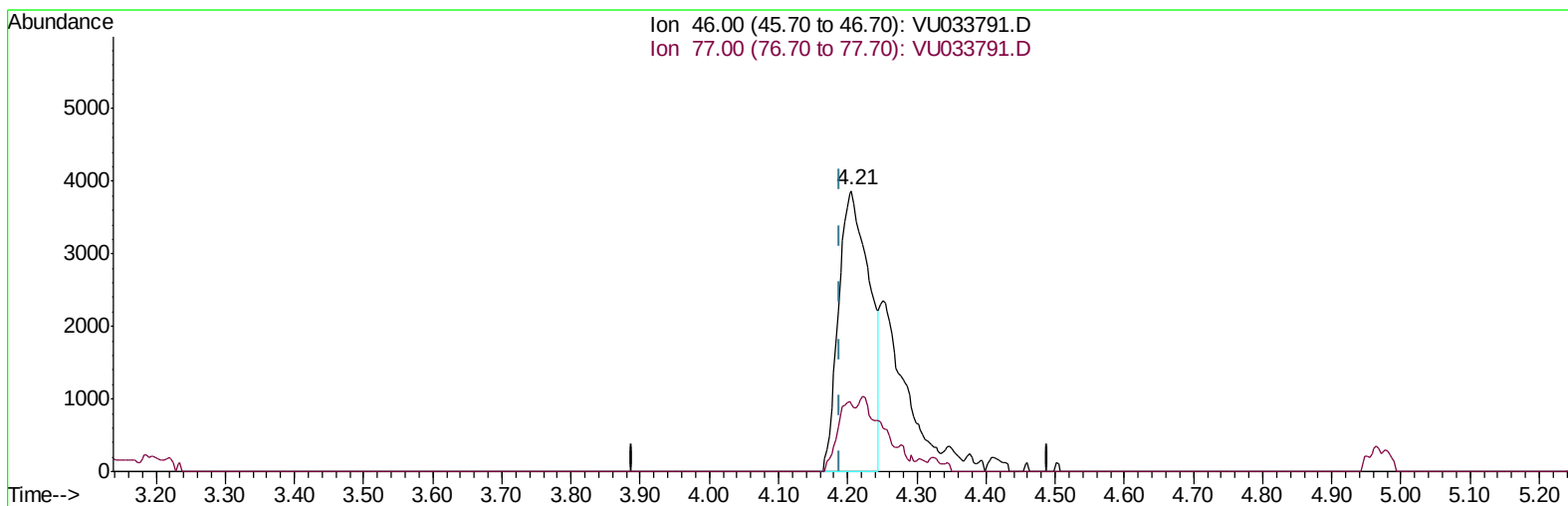
2.347min (-0.003) 5.04ug/L m

response 19591

Ion	Exp%	Act%
43.00	100	100
58.00	13.50	0.96
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU081419\
Data File : VU033791.D
Acq On : 14 Aug 2019 09:22
Operator : JC/SP
Sample : VSTD0.504
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 14:22:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 14:18:33 2019
Response via : Initial Calibration



TIC: VU033791.D

(20) 2-Butanone-d5 (S)

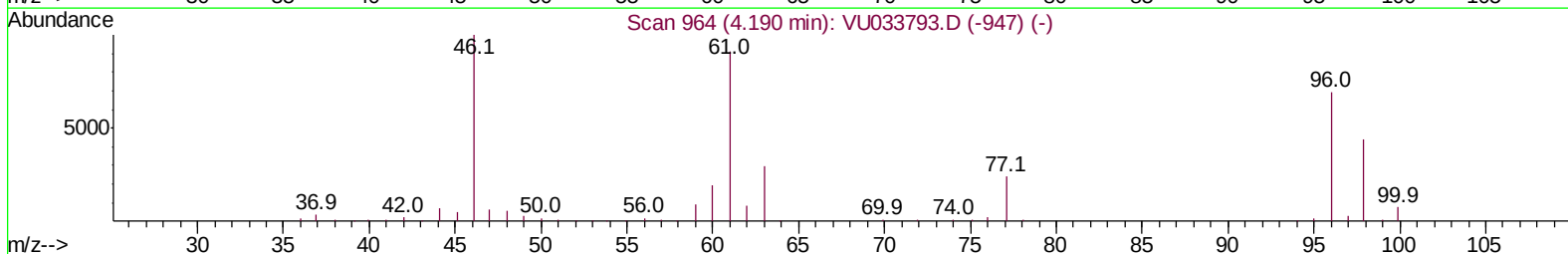
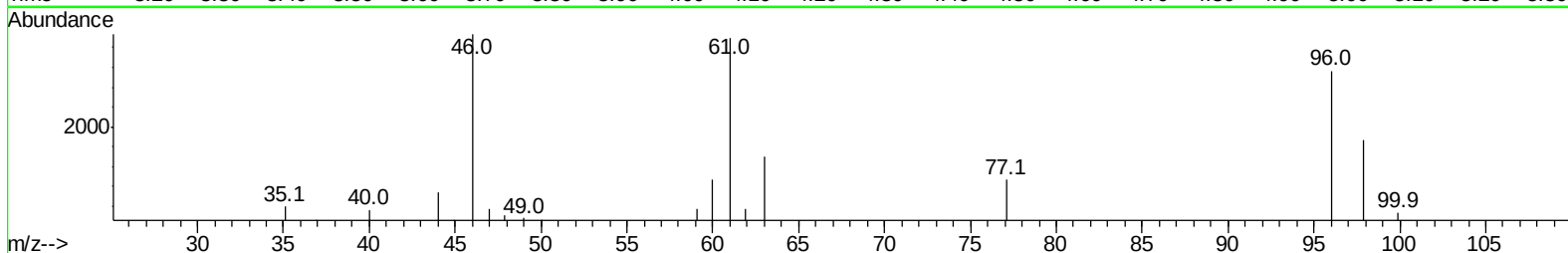
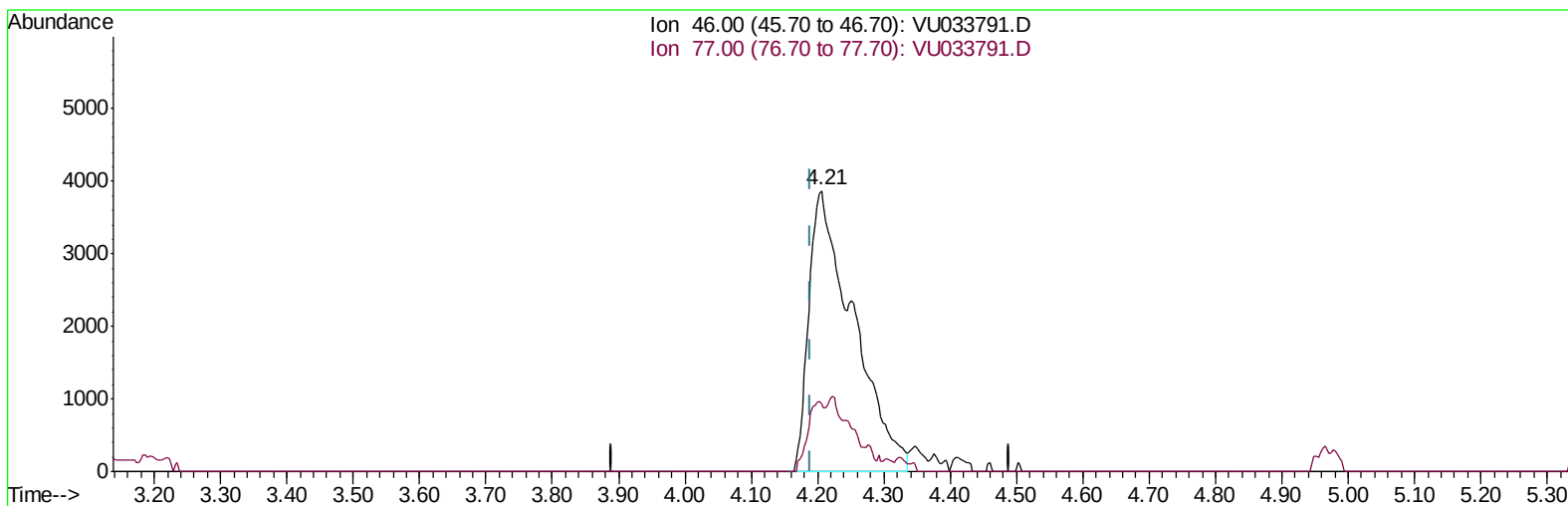
4.206min (+0.016) 3.29ug/L

response 12045

Ion	Exp%	Act%
46.00	100	100
77.00	24.50	13.34#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
Data File : VU033791.D
Acq On : 14 Aug 2019 09:22
Operator : JC/SP
Sample : VSTD0.504
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 14:22:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 14:18:33 2019
Response via : Initial Calibration



TIC: VU033791.D

(20) 2-Butanone-d5 (S)

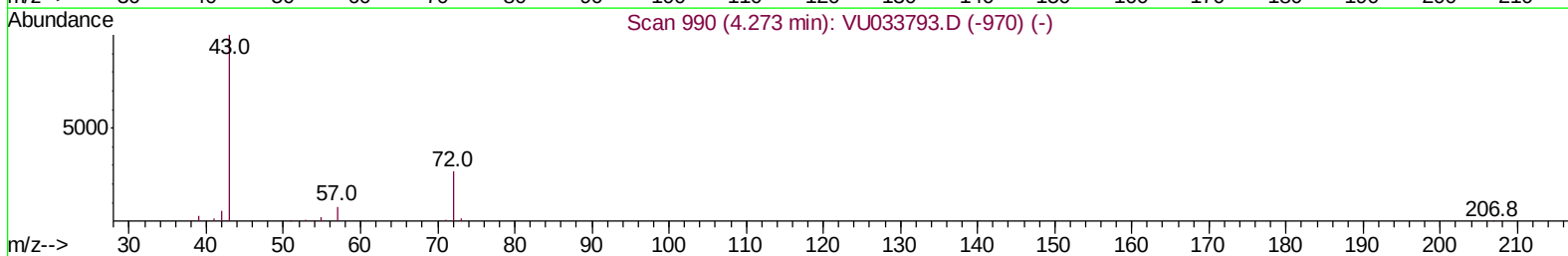
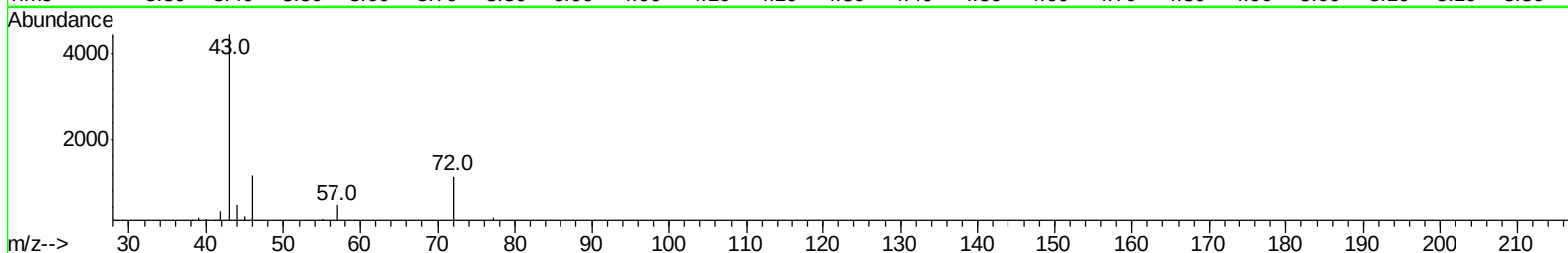
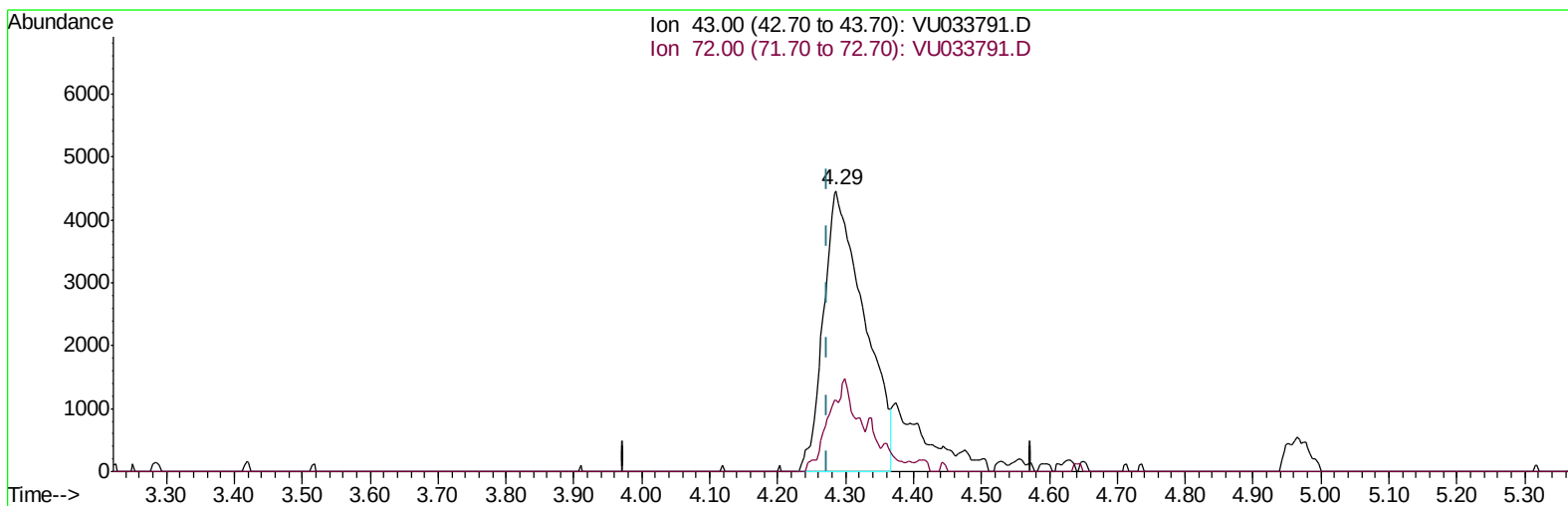
4.206min (+0.016) 4.90ug/L m

response 17934

Ion	Exp%	Act%
46.00	100	100
77.00	24.50	8.96#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU081419\
Data File : VU033791.D
Acq On : 14 Aug 2019 09:22
Operator : JC/SP
Sample : VSTD0.504
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 14:22:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 14:18:33 2019
Response via : Initial Calibration



TIC: VU033791.D

(21) 2-Butanone (T)
4.286min (+0.013) 3.87ug/L

response 18559

Ion	Exp%	Act%
43.00	100	100
72.00	26.10	22.11
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033791.D
 Acq On : 14 Aug 2019 09:22
 Operator : JC/SP
 Sample : VSTD0.504
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 14:26:51 2019

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

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Aug 15 14:18:33 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	167488	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	167440	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	81946	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	10890	0.57	ug/L	0.00
7) Chloroethane-d5	1.67	69	8191	0.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	65	4766	0.55	ug/L	0.00
20) 2-Butanone-d5	4.21	46	17934m	4.90	ug/L	0.02
24) Chloroform-d	4.62	84	15995	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	8679	0.59	ug/L	0.00
32) Benzene-d6	5.32	84	27471	0.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	8887	0.54	ug/L	0.00
41) Toluene-d8	7.55	98	23439	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	3166	0.49	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	9312	3.62	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.42	84	7757	0.55	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	9277	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	12076	0.497 ug/L	99
3) Chloromethane	1.32	50	12871	0.511 ug/L	98
5) Vinyl chloride	1.39	62	13289	0.484 ug/L	94
6) Bromomethane	1.62	94	7959	0.498 ug/L	97
8) Chloroethane	1.69	64	8373	0.516 ug/L	89
9) Trichlorofluoromethane	1.87	101	18203	0.484 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	9560	0.479 ug/L	94
12) 1,1-Dichloroethene	2.27	96	9962	0.516 ug/L	85
13) Acetone	2.35	43	19591m	5.035 ug/L	
14) Carbon disulfide	2.46	76	32867	0.501 ug/L #	93
15) Methyl Acetate	2.61	43	5707	0.562 ug/L	94
16) Methylene chloride	2.68	84	12490	0.554 ug/L	95
17) Methyl tert-butyl Ether	2.98	73	23836	0.477 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	10790	0.521 ug/L	96
19) 1,1-Dichloroethane	3.42	63	15674	0.484 ug/L	96
21) 2-Butanone	4.29	43	22586m	4.704 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	8105	0.458 ug/L	89
23) Bromochloromethane	4.52	128	4212	0.497 ug/L	86
25) Chloroform	4.65	83	19122	0.548 ug/L	96
27) 1,2-Dichloroethane	5.39	62	10671	0.497 ug/L #	94
29) 1,1,1-Trichloroethane	4.89	97	13240	0.486 ug/L	98
30) Cyclohexane	4.97	56	10626	0.431 ug/L	97
31) Carbon tetrachloride	5.11	117	11606	0.479 ug/L	97
33) Benzene	5.37	78	31428	0.469 ug/L	100
34) Trichloroethene	6.17	95	8243	0.469 ug/L	96
35) Methylcyclohexane	6.39	83	11018	0.418 ug/L	94
37) 1,2-Dichloropropane	6.41	63	8663	0.479 ug/L #	97
38) Bromodichloromethane	6.74	83	11433	0.501 ug/L	95
39) cis-1,3-Dichloropropene	7.26	75	10485	0.429 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	40917	3.913 ug/L	98

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Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Aug 15 14:18:33 2019

Response via : Initial Calibration

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

42) Toluene	7.62	91	29452	0.419	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	8555	0.419	ug/L	94
45) 1,1,2-Trichloroethane	8.05	97	6053	0.468	ug/L	97
47) Tetrachloroethene	8.21	164	7177	0.490	ug/L	90
48) 2-Hexanone	8.36	43	29696	3.926	ug/L	92
49) Dibromochloromethane	8.46	129	7279	0.464	ug/L	85
50) 1,2-Dibromoethane	8.58	107	5856	0.468	ug/L	93
51) Chlorobenzene	9.10	112	20777	0.459	ug/L	98
52) Ethylbenzene	9.23	91	29390	0.404	ug/L	99
53) m,p-Xylene	9.36	106	10576	0.385	ug/L	98
54) o-Xylene	9.76	106	9289	0.356	ug/L	94
55) Styrene	9.78	104	16163	0.357	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.44	83	8082	0.476	ug/L	94
59) Isopropylbenzene	10.15	105	25687	0.411	ug/L	98
60) Bromoform	9.94	173	4059	0.485	ug/L #	96
61) 1,2,3-Trichloropropane	10.48	75	5788	0.163	ug/L	96
62) 1,3,5-Trimethylbenzene	10.76	105	19166	0.378	ug/L	95
63) 1,2,4-Trimethylbenzene	11.13	105	18659	0.369	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	15287	0.458	ug/L	96
65) 1,4-Dichlorobenzene	11.49	146	16792	0.488	ug/L	97
67) 1,2-Dichlorobenzene	11.87	146	15317	0.475	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.65	75	1052	0.443	ug/L	96
69) 1,3,5-Trichlorobenzene	12.88	180	12583	0.479	ug/L	94
70) 1,2,4-trichlorobenzene	13.49	180	8090	0.396	ug/L	94
71) Naphthalene	13.73	128	9112	0.289	ug/L	97
72) 1,2,3-Trichlorobenzene	13.98	180	7301	0.379	ug/L	94

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

