

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051523\
 Data File : VW031017.D
 Acq On : 15 May 2023 09:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005348

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 15 12:16:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	132007	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	130629	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	74899	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	46097	4.238	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.800%
7) Chloroethane-d5	1.536	69	42179	4.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.063	65	26315	4.572	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	3.828	46	88471m	45.872	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.740%
24) Chloroform-d	4.259	84	107038	4.952	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	4.950	65	52301	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	4.966	84	184964	4.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	5.992	67	51894	4.661	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.249	98	176041	4.828	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	7.558	79	19092	4.574	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.034	63	65810	45.006	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.020%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	39250	4.864	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.567	152	64102	4.591	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	46863	4.494	ug/L	100
3) Chloromethane	1.217	50	49738	4.064	ug/L	100
5) Vinyl chloride	1.285	62	45453	4.438	ug/L	98
6) Bromomethane	1.491	94	21671	4.442	ug/L	96
8) Chloroethane	1.555	64	28675	4.599	ug/L	99
9) Trichlorofluoromethane	1.716	101	90422	4.785	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	49558	5.137	ug/L	99
12) 1,1-Dichloroethene	2.072	96	42585	4.793	ug/L	92
13) Acetone	2.163	43	72284	43.877	ug/L	85
14) Carbon disulfide	2.246	76	93088	4.005	ug/L	99
15) Methyl Acetate	2.394	43	12685	3.785	ug/L	93
16) Methylene chloride	2.452	84	43471	4.326	ug/L	92
17) Methyl tert-butyl Ether	2.712	73	85078	5.031	ug/L	96
18) trans-1,2-Dichloroethene	2.699	96	38110	4.696	ug/L	99
19) 1,1-Dichloroethane	3.117	63	77072	4.919	ug/L	98
21) 2-Butanone	3.918	43	93851m	51.799	ug/L	
22) cis-1,2-Dichloroethene	3.822	96	41764	4.878	ug/L	98
23) Bromochloromethane	4.156	128	20632	5.118	ug/L	# 88
25) Chloroform	4.285	83	88816	5.283	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	54331	5.149	ug/L	97
29) 1,1,1-Trichloroethane	4.519	97	82279	5.013	ug/L	99
30) Cyclohexane	4.590	56	53824	4.341	ug/L	99
31) Carbon tetrachloride	4.741	117	76957	5.220	ug/L	96
33) Benzene	5.018	78	162748	4.953	ug/L	100
34) Trichloroethene	5.841	95	42845	4.892	ug/L	96
35) Methylcyclohexane	6.056	83	59264	4.366	ug/L	99
37) 1,2-Dichloropropane	6.101	63	40246	5.164	ug/L	99
38) Bromodichloromethane	6.439	83	59784	5.241	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	56698	4.857	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	201745	49.959	ug/L	98
42) Toluene	7.320	91	178476	5.045	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	51125	5.140	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	29388	5.082	ug/L	95
47) Tetrachloroethene	7.912	164	41067	4.915	ug/L	97
48) 2-Hexanone	8.085	43	158013	51.017	ug/L	94
49) Dibromochloromethane	8.182	129	39985	5.496	ug/L	99
50) 1,2-Dibromoethane	8.288	107	25982	5.037	ug/L #	97
51) Chlorobenzene	8.818	112	118924	4.958	ug/L	100
52) Ethylbenzene	8.950	91	185432	4.808	ug/L	97
53) m,p-Xylene	9.079	106	73833	4.797	ug/L	99
54) o-Xylene	9.484	106	70004	4.779	ug/L	99
55) Styrene	9.503	104	121461	4.914	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	33809	5.230	ug/L #	96
59) Bromoform	9.670	173	24299	5.512	ug/L	99
60) Isopropylbenzene	9.873	105	193933	4.802	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	23500	4.994	ug/L	96
62) 1,3,5-Trimethylbenzene	10.481	105	154967	4.714	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	156429	4.696	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	103565	4.994	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	101778	4.864	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	92597	4.965	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.374	75	5723	4.792	ug/L	91
69) 1,3,5-Trichlorobenzene	12.590	180	79448	4.838	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	56012	4.439	ug/L	99
71) Naphthalene	13.448	128	64172	3.546	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	46085	4.314	ug/L	99

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

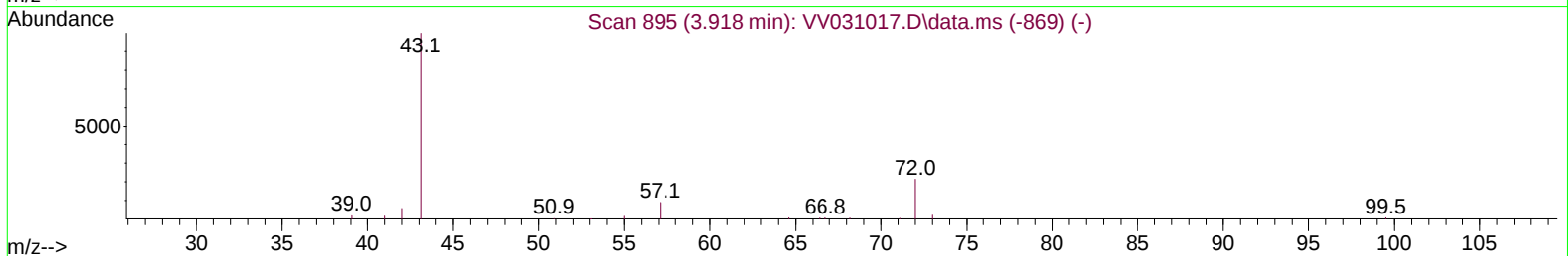
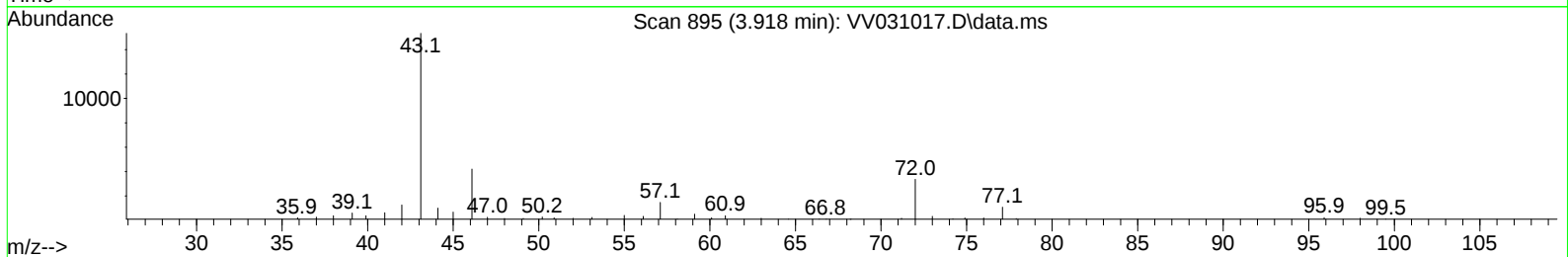
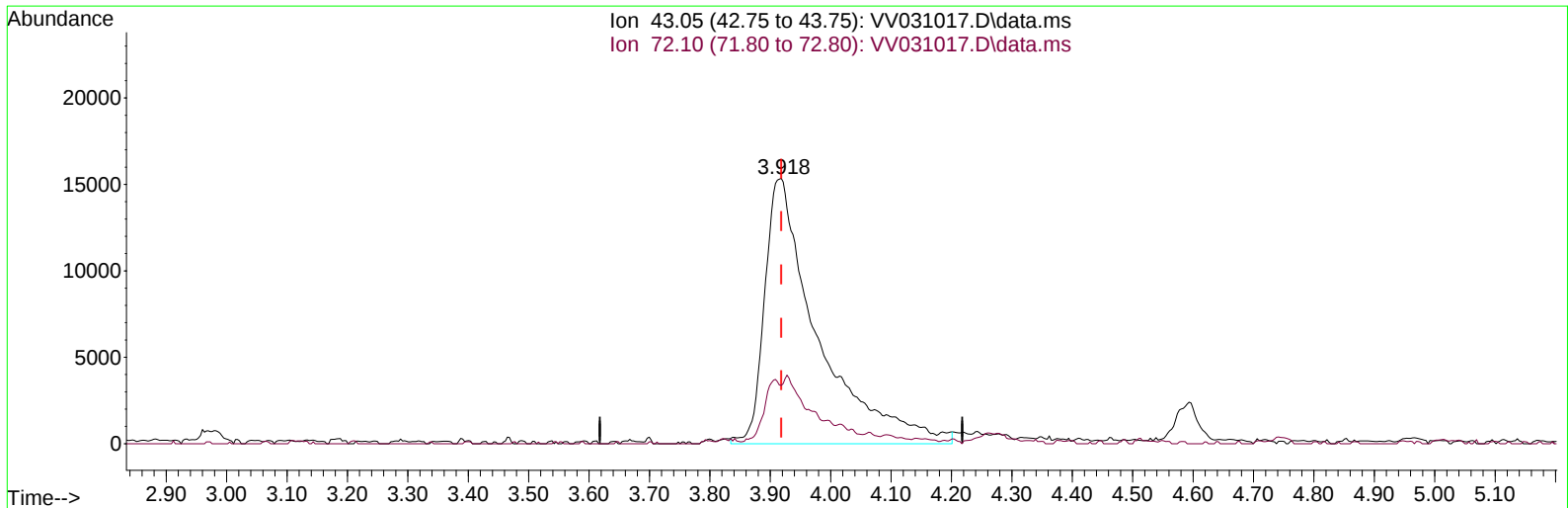
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051523\
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Acq On : 15 May 2023 09:23
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ALS Vial : 2 Sample Multiplier: 1

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Manual Integrations
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Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 15 12:16:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 06 01:44:36 2023
Response via : Initial Calibration



TIC: VV031017.D\data.ms

(21) 2-Butanone (T)

3.918min (+ 0.000) 51.80 ug/L m

response 93851

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	19.10	6.61#
0.00	0.00	0.00
0.00	0.00	0.00

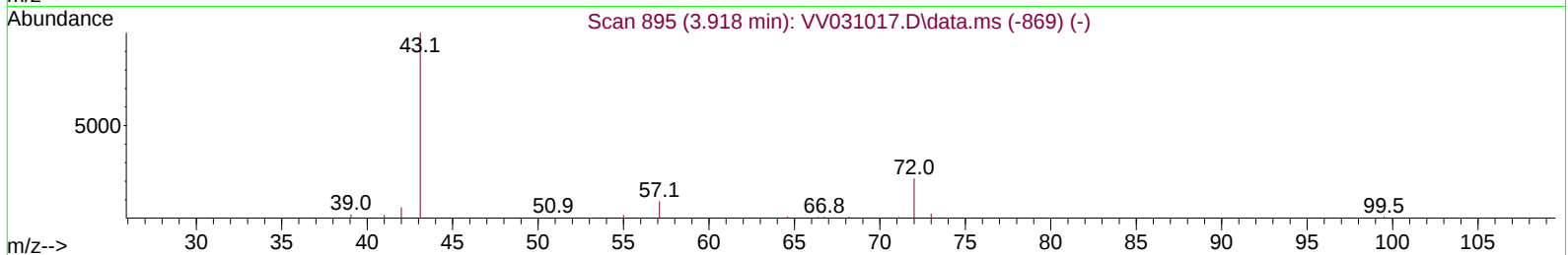
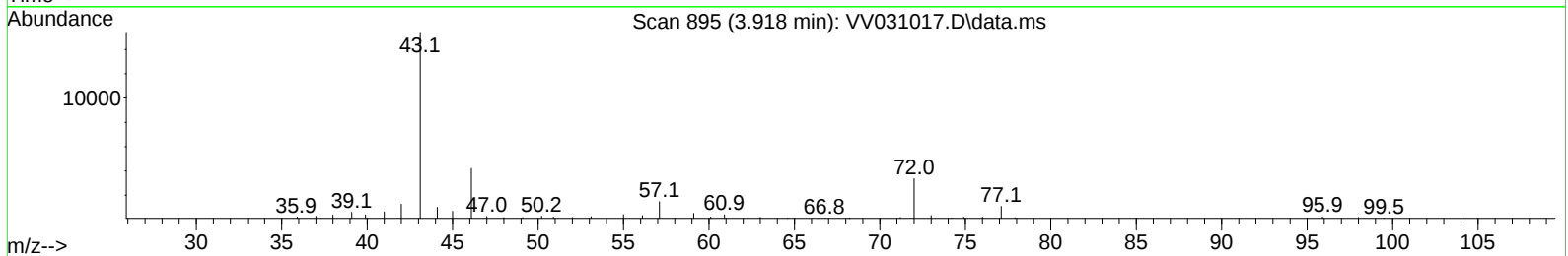
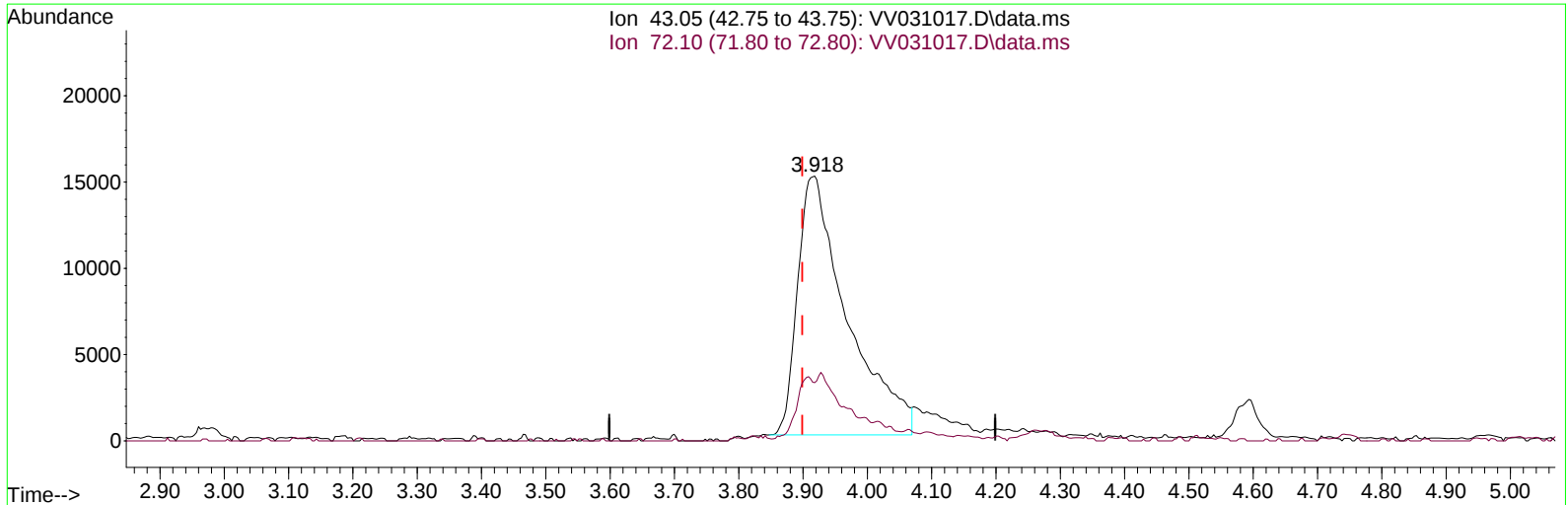
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051523\
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ClientSampleId :
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Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 22 00:51:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri May 19 05:32:32 2023
Response via : Initial Calibration



TIC: VV031017.D\data.ms

(21) 2-Butanone (T)

3.918min (+ 0.019) 44.22 ug/L

response 80117

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	19.10	7.74#
0.00	0.00	0.00
0.00	0.00	0.00

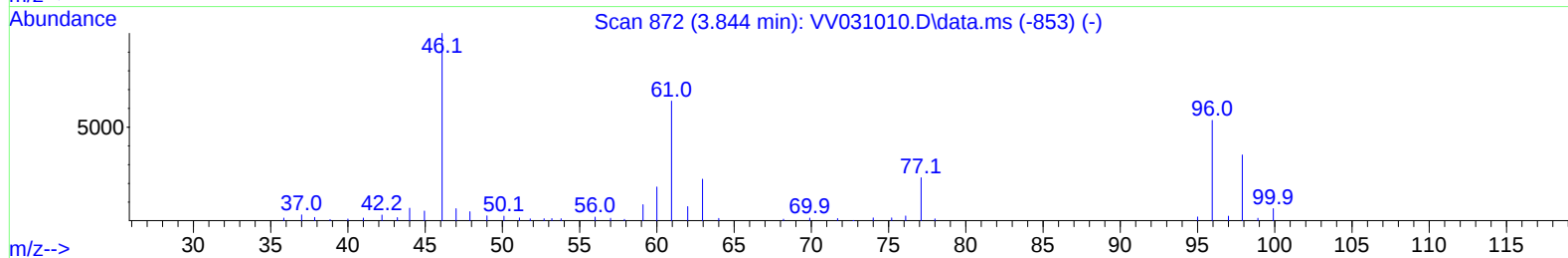
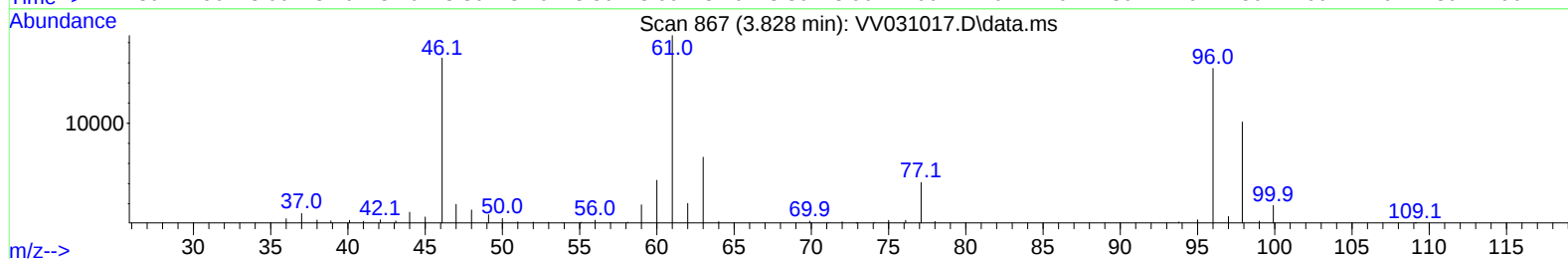
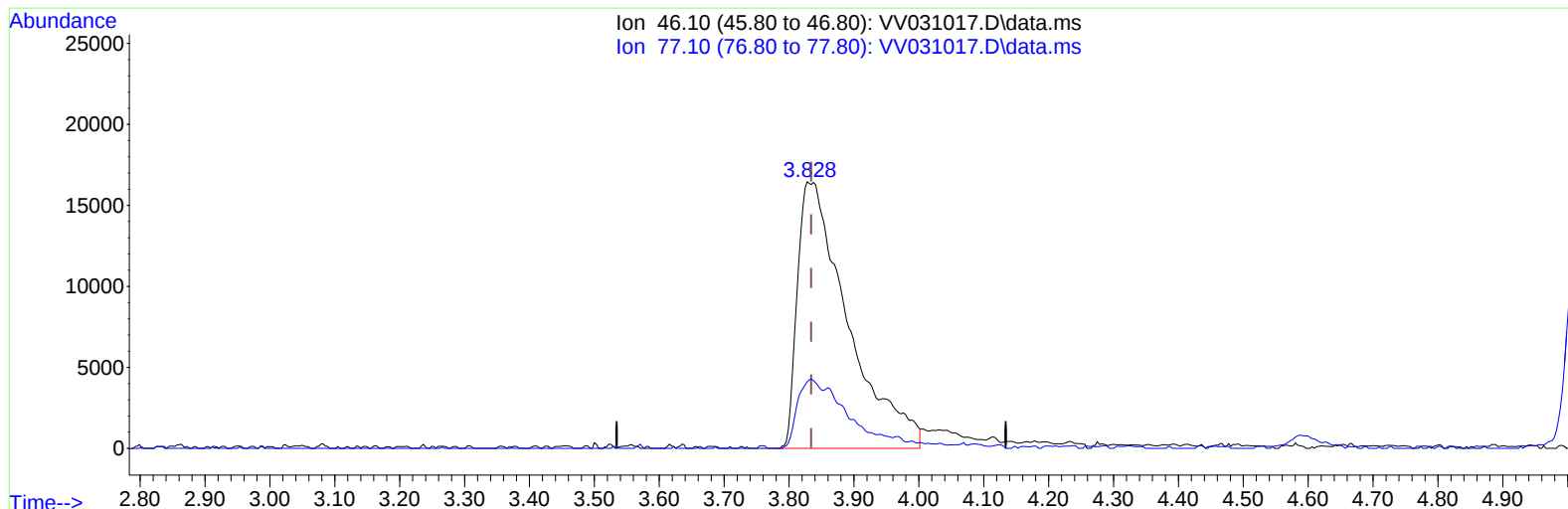
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(20) 2-Butanone-d5 (S)

3.828min (-0.006) 45.87 ug/L m

response 88471

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	7.40	12.49#
0.00	0.00	0.00
0.00	0.00	0.00

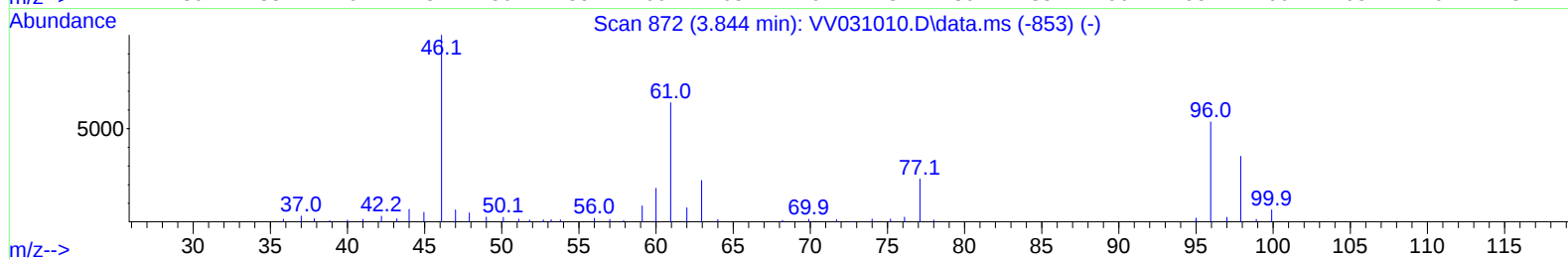
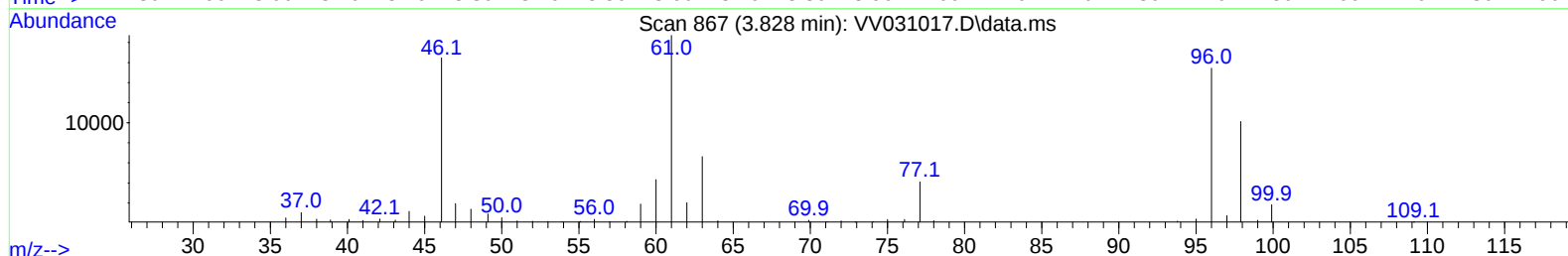
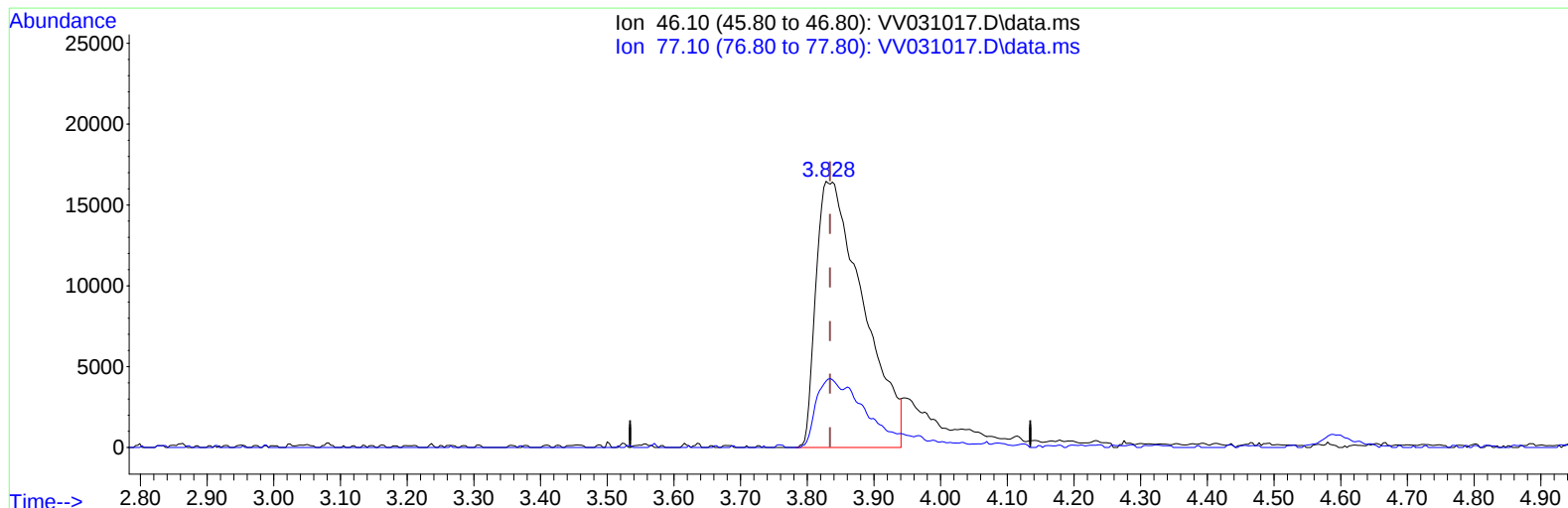
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Instrument :
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Manual Integrations
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TIC: VV031017.D\data.ms

(20) 2-Butanone-d5 (S)

3.828min (-0.006) 41.66 ug/L

response 80345

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	7.40	13.75#
0.00	0.00	0.00
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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31) Carbon tetrachloride	4.741	117	76957	5.220	ug/L	96
33) Benzene	5.018	78	162748	4.953	ug/L	100
34) Trichloroethene	5.841	95	42845	4.892	ug/L	96
35) Methylcyclohexane	6.056	83	59264	4.366	ug/L	99
37) 1,2-Dichloropropane	6.101	63	40246	5.164	ug/L	99
38) Bromodichloromethane	6.439	83	59784	5.241	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	56698	4.857	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	201745	49.959	ug/L	98
42) Toluene	7.320	91	178476	5.045	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	51125	5.140	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	29388	5.082	ug/L	95
47) Tetrachloroethene	7.912	164	41067	4.915	ug/L	97
48) 2-Hexanone	8.085	43	158013	51.017	ug/L	94
49) Dibromochloromethane	8.182	129	39985	5.496	ug/L	99
50) 1,2-Dibromoethane	8.288	107	25982	5.037	ug/L #	97
51) Chlorobenzene	8.818	112	118924	4.958	ug/L	100
52) Ethylbenzene	8.950	91	185432	4.808	ug/L	97
53) m,p-Xylene	9.079	106	73833	4.797	ug/L	99
54) o-Xylene	9.484	106	70004	4.779	ug/L	99
55) Styrene	9.503	104	121461	4.914	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	33809	5.230	ug/L #	96
59) Bromoform	9.670	173	24299	5.512	ug/L	99
60) Isopropylbenzene	9.873	105	193933	4.802	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	23500	4.994	ug/L	96
62) 1,3,5-Trimethylbenzene	10.481	105	154967	4.714	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	156429	4.696	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	103565	4.994	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	101778	4.864	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	92597	4.965	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.374	75	5723	4.792	ug/L	91
69) 1,3,5-Trichlorobenzene	12.590	180	79448	4.838	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	56012	4.439	ug/L	99
71) Naphthalene	13.448	128	64172	3.546	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	46085	4.314	ug/L	99

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

