

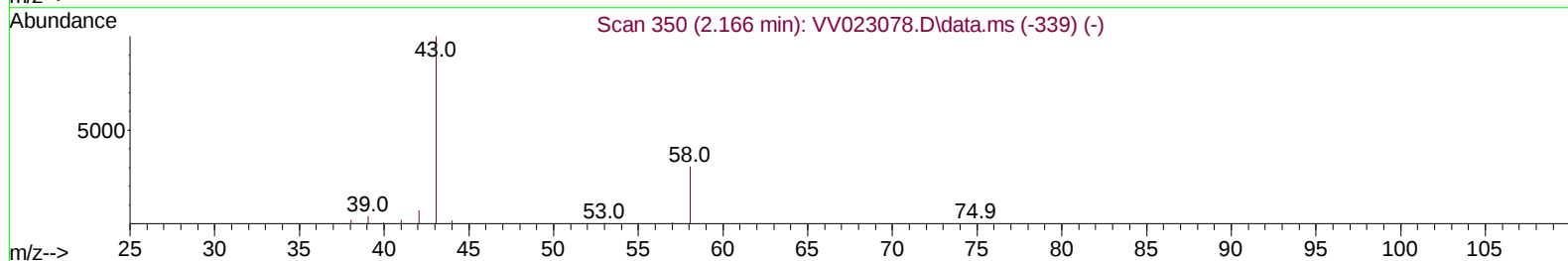
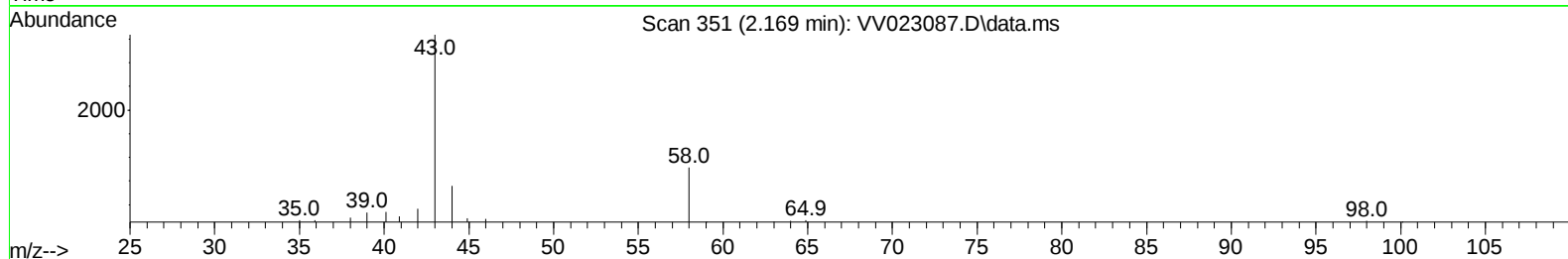
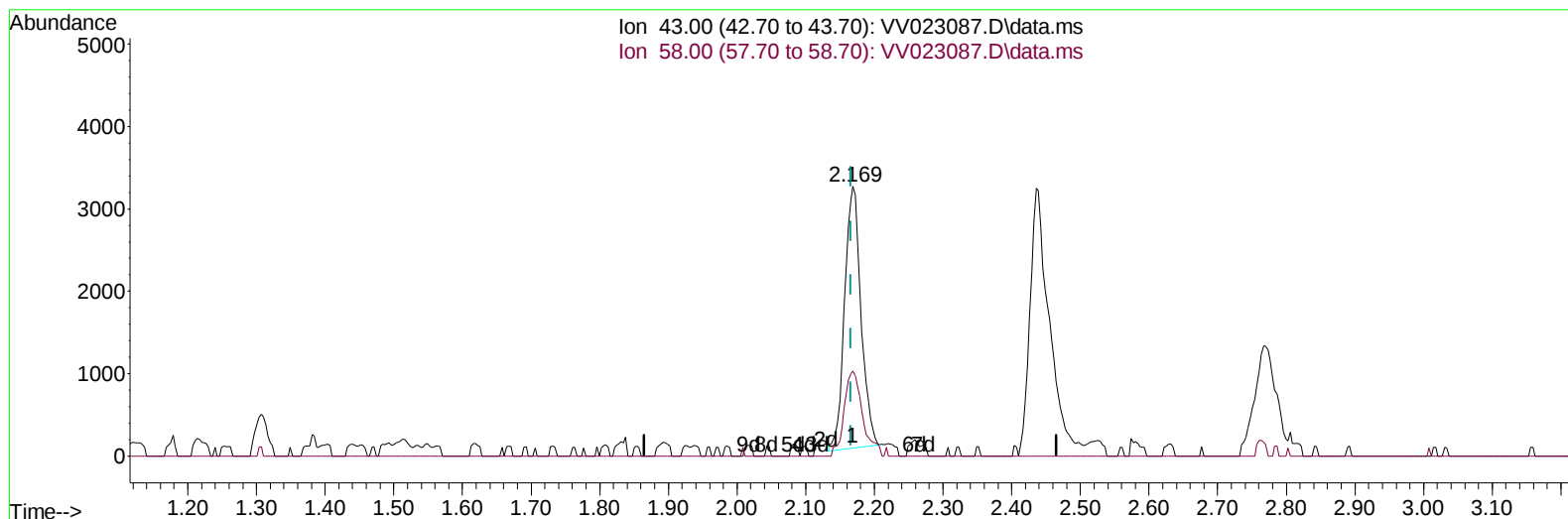
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
Data File : VV023087.D
Acq On : 28 Oct 2021 20:29
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

SAM
11/1/2021 6:35:43 PM

Quant Time: Oct 29 02:16:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 29 01:52:27 2021
Response via : Initial Calibration



TIC: VV023087.D\data.ms

(13) Acetone (T)

2.169min (+ 0.003) 3.87 ug/L

response 5250

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	0.20	36.44#
0.00	0.00	0.00
0.00	0.00	0.00

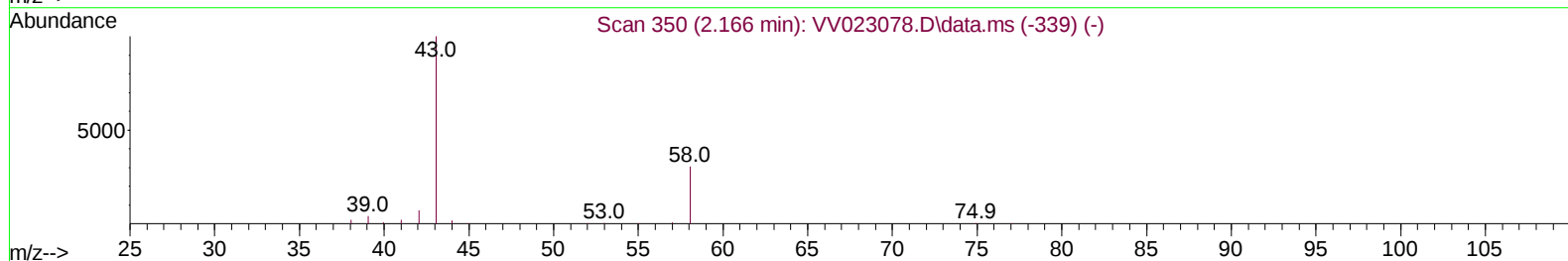
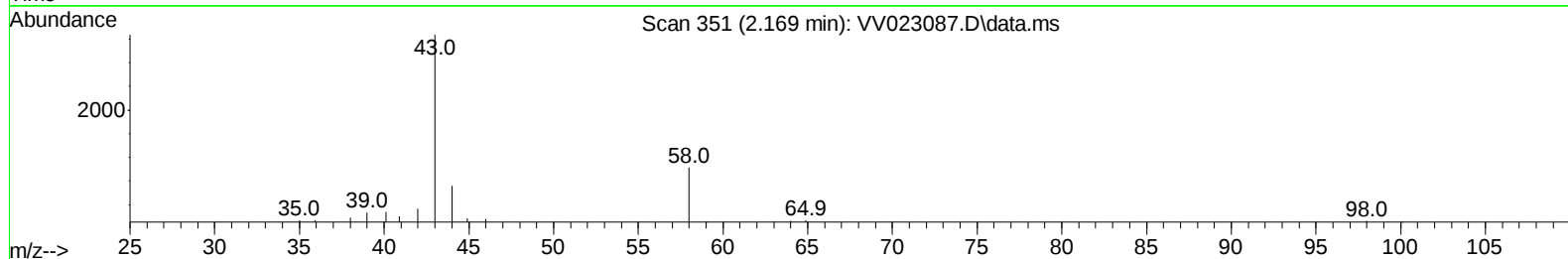
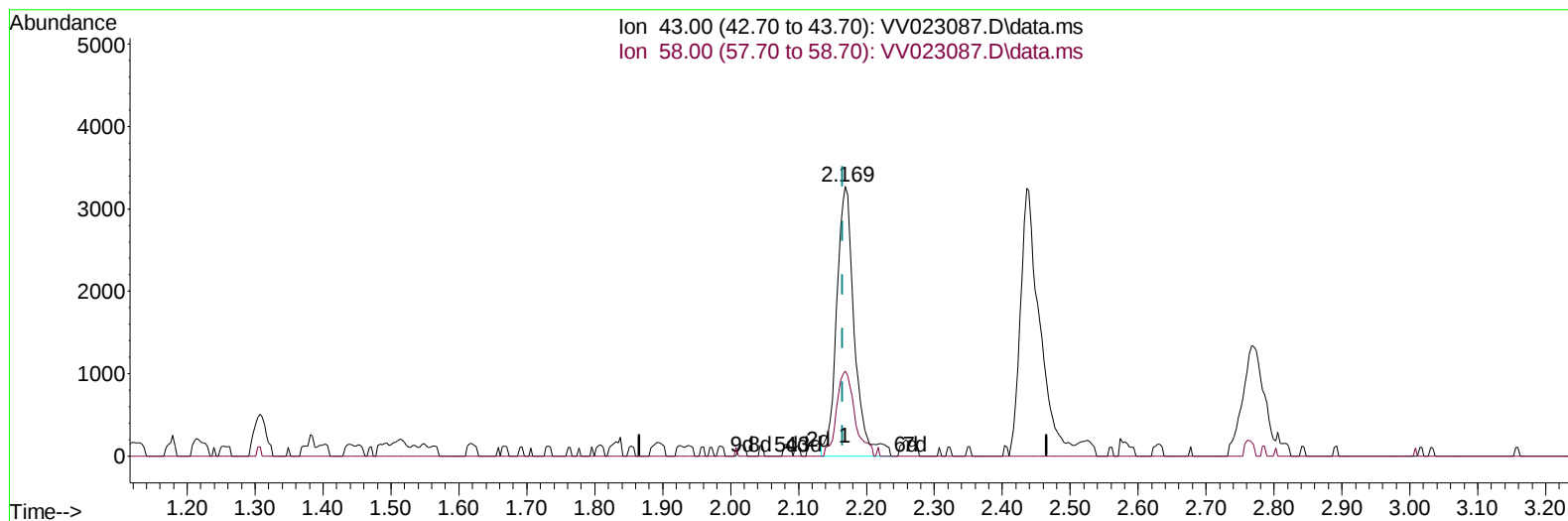
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
 Data File : VV023087.D
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 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:52:27 2021
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TIC: VV023087.D\data.ms

(13) Acetone (T)

2.169min (+ 0.003) 4.35 ug/L m

response 5899

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	0.20	32.43#
0.00	0.00	0.00
0.00	0.00	0.00

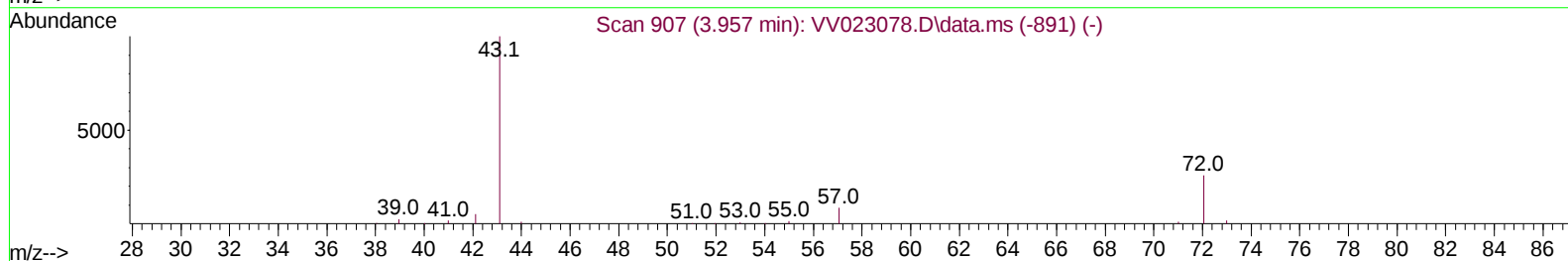
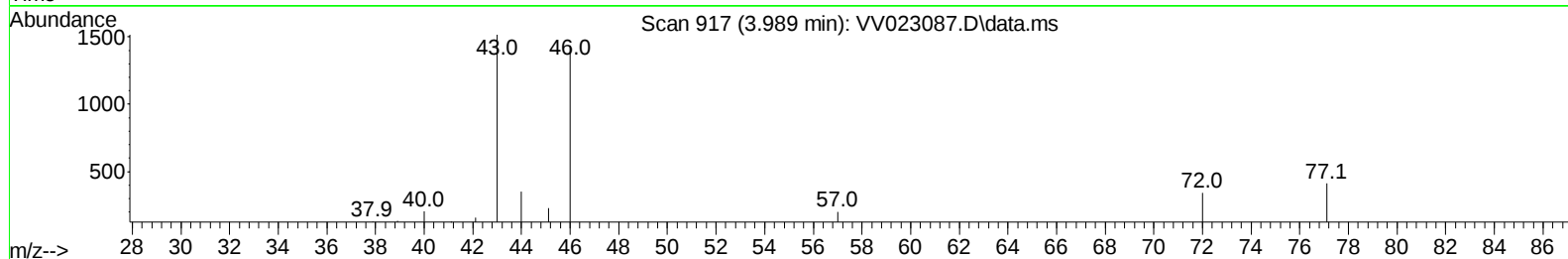
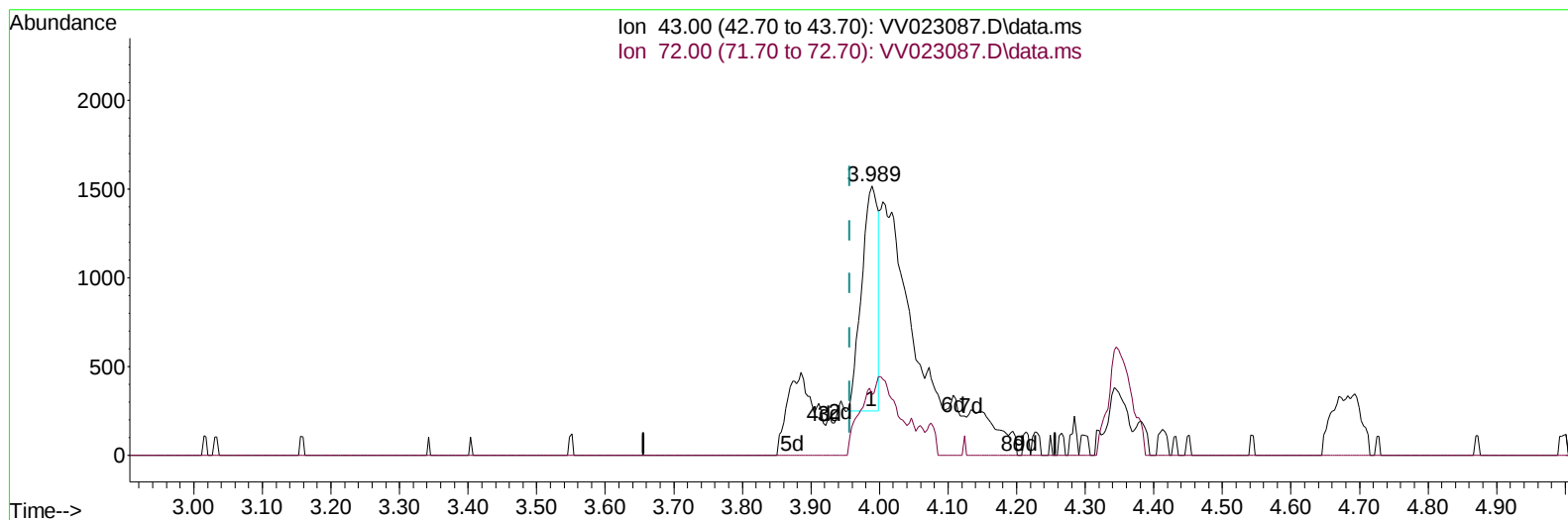
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
Data File : VV023087.D
Acq On : 28 Oct 2021 20:29
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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TIC: VV023087.D\data.ms

(22) 2-Butanone (T)

3.989min (+ 0.032) 1.36 ug/L

response 2098

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.70	25.83
0.00	0.00	0.00
0.00	0.00	0.00

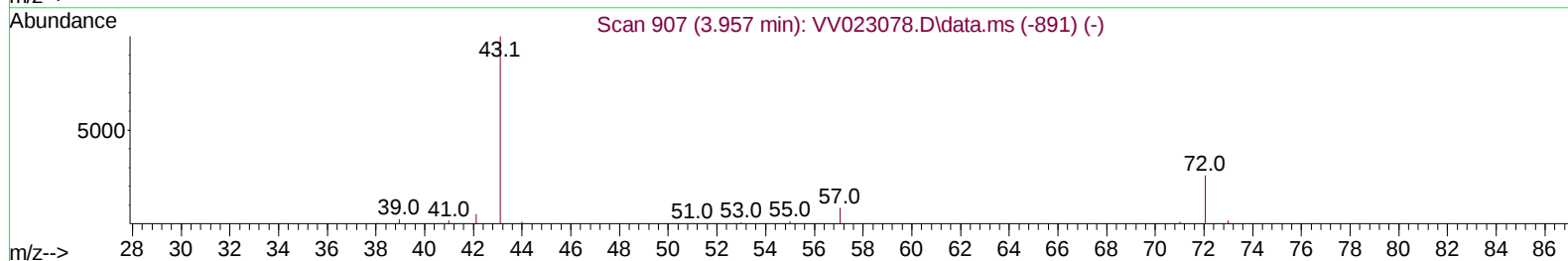
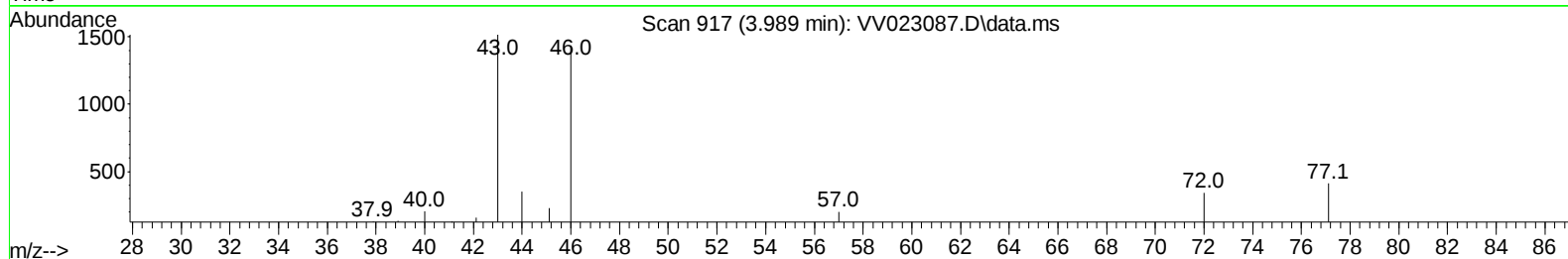
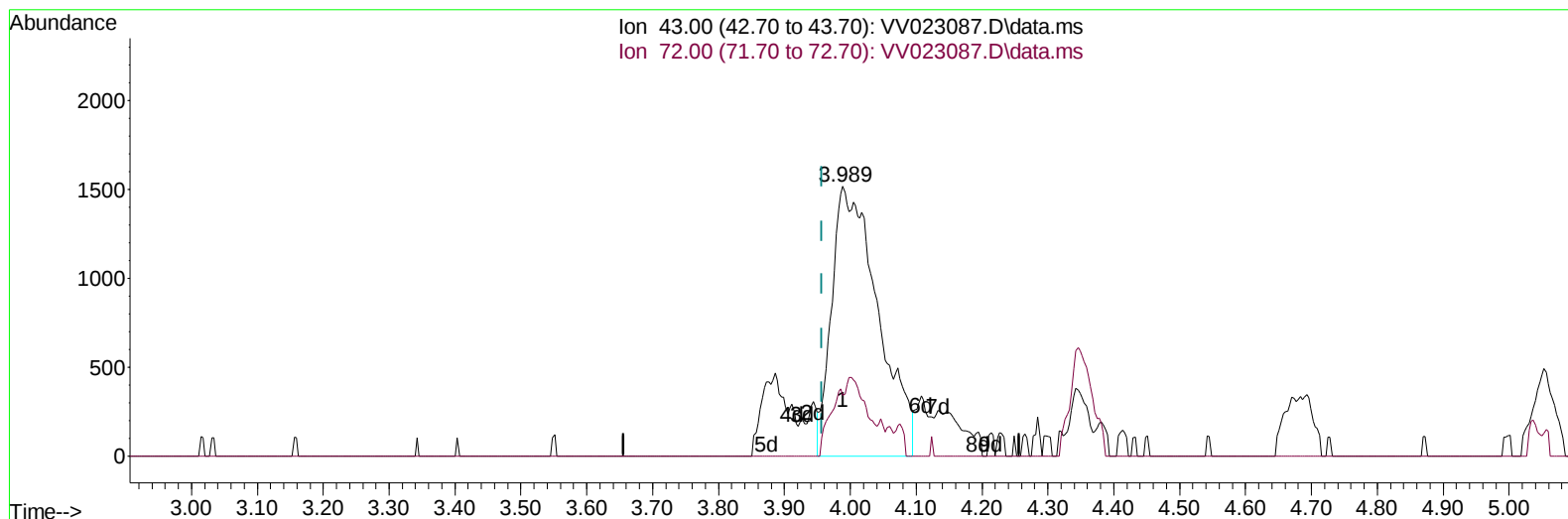
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
Data File : VV023087.D
Acq On : 28 Oct 2021 20:29
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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TIC: VV023087.D\data.ms

(22) 2-Butanone (T)

3.989min (+ 0.032) 4.77 ug/L m

response 7381

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.70	7.34#
0.00	0.00	0.00
0.00	0.00	0.00

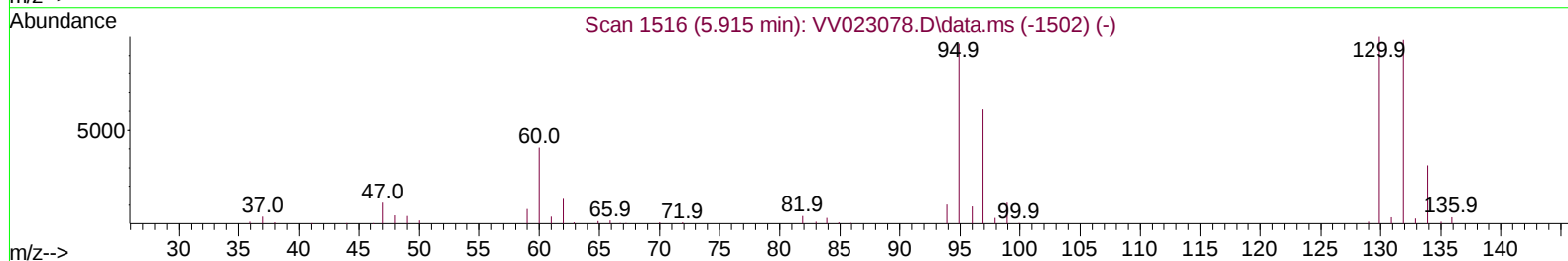
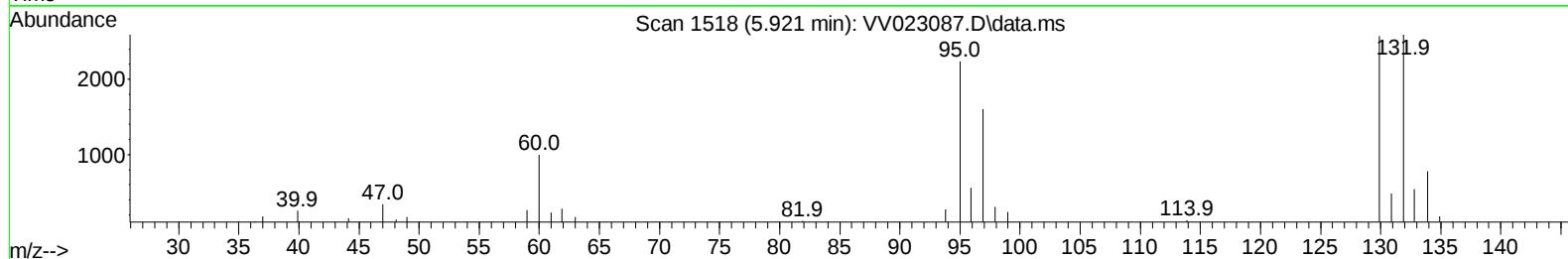
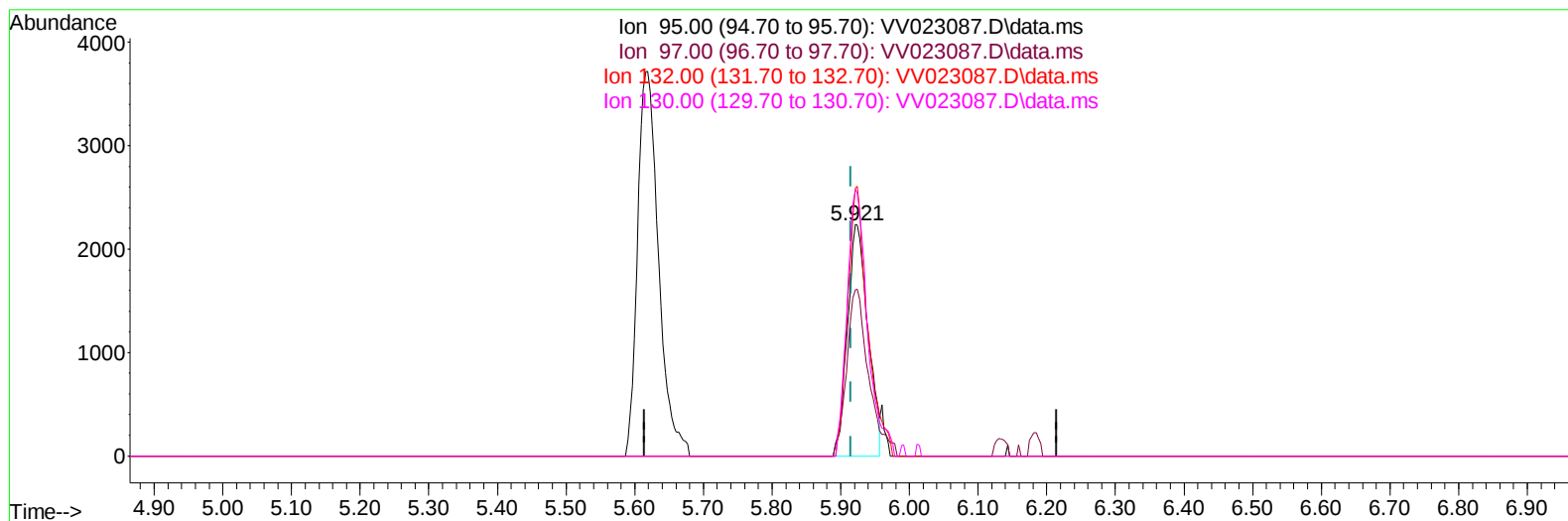
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
Data File : VV023087.D
Acq On : 28 Oct 2021 20:29
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations
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TIC: VV023087.D\data.ms

(34) Trichloroethene (T)

5.921min (+ 0.006) 2.17 ug/L

response 4612

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	63.50	71.93
132.00	102.20	115.78
130.00	104.00	115.20

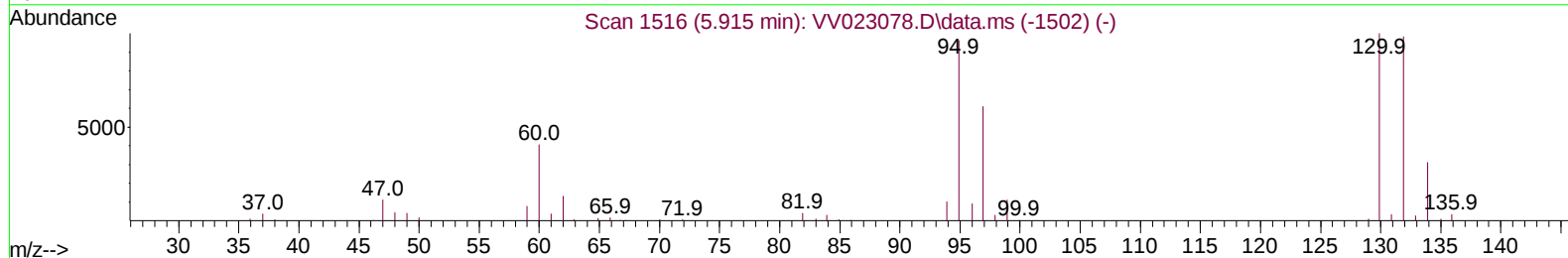
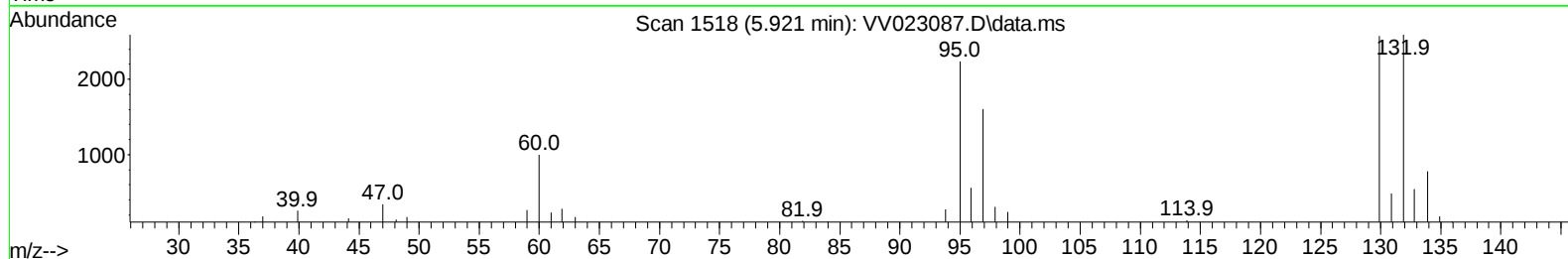
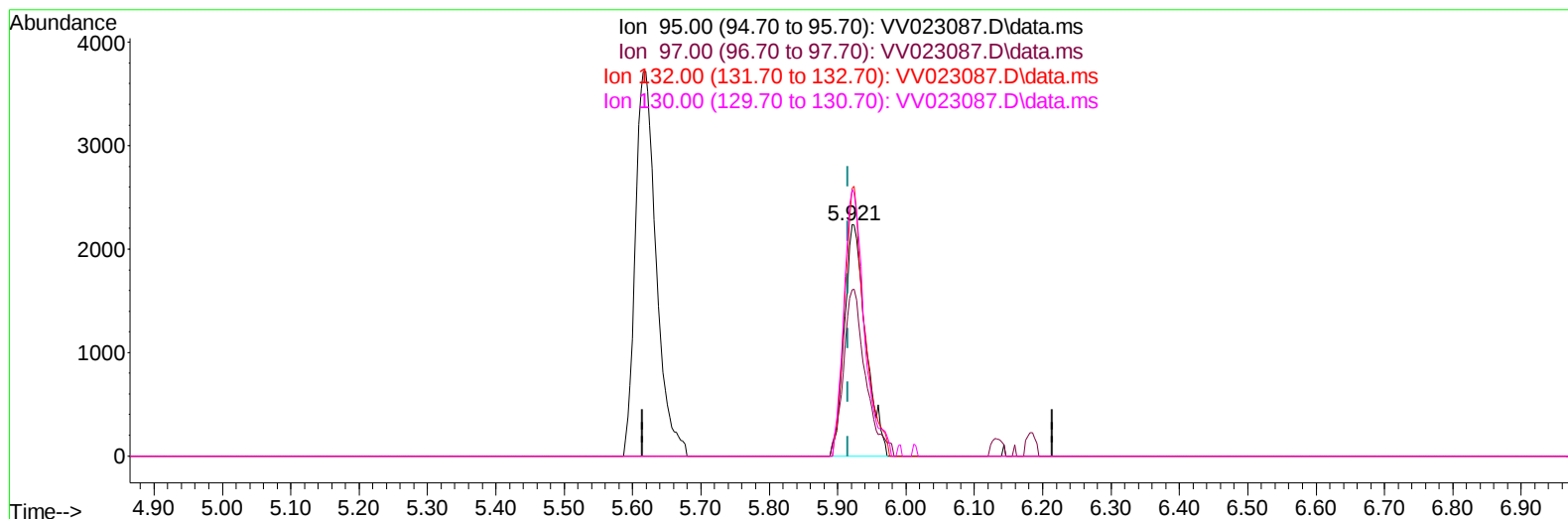
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
Data File : VV023087.D
Acq On : 28 Oct 2021 20:29
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

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Quant Time: Oct 29 02:16:12 2021
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TIC: VV023087.D\data.ms

(34) Trichloroethene (T)

5.921min (+ 0.006) 2.27 ug/L m

response 4818

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	63.50	71.93
132.00	102.20	115.78
130.00	104.00	115.20

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
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 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	265068	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	260604	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	130308	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	85816	46.977	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	93.960%	
7) Chloroethane-d5	1.568	69	70890	49.754	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	99.500%	
11) 1,1-Dichloroethene-d2	2.108	63	123397	35.660	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	71.320%	
21) 2-Butanone-d5	3.876	46	156512	114.356	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	114.360%	
24) Chloroform-d	4.352	84	183937	47.890	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	95.780%	
26) 1,2-Dichloroethane-d4	5.034	65	118491	52.122	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	104.240%	
32) Benzene-d6	5.053	84	356646	49.958	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	99.920%	
36) 1,2-Dichloropropane-d6	6.072	67	114866	50.545	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	101.080%	
41) Toluene-d8	7.317	98	319889	49.114	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	98.220%	
43) trans-1,3-Dichloroprop...	7.622	79	54171	49.733	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	99.460%	
47) 2-Hexanone-d5	8.088	63	111232	112.691	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	112.690%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	168782	50.814	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	101.620%	
66) 1,2-Dichlorobenzene-d4	11.625	152	134246	53.408	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	106.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	5794	2.299	ug/L	97
3) Chloromethane	1.240	50	5760	2.424	ug/L	100
5) Vinyl chloride	1.310	62	5935	2.499	ug/L #	71
6) Bromomethane	1.519	94	3251	2.437	ug/L	94
8) Chloroethane	1.584	64	3661	2.532	ug/L	99
9) Trichlorofluoromethane	1.754	101	8428	2.338	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	5430	2.838	ug/L	87
12) 1,1-Dichloroethene	2.117	96	5057	2.848	ug/L #	1
13) Acetone	2.169	43	5899m	4.348	ug/L	
14) Carbon disulfide	2.294	76	12712	2.394	ug/L	100
15) Methyl Acetate	2.436	43	6305	2.800	ug/L	99
16) Methylene chloride	2.510	84	6050	2.660	ug/L	96
17) trans-1,2-Dichloroethene	2.767	96	4628	2.284	ug/L	86
18) Methyl tert-butyl Ether	2.770	73	13417	2.205	ug/L	94
19) 1,1-Dichloroethane	3.195	63	8804	2.332	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	5396	2.491	ug/L	89
22) 2-Butanone	3.989	43	7381m	4.774	ug/L	
23) Bromochloromethane	4.262	128	2824	2.314	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.378	83	10231	2.635	ug/L	90
27) 1,2-Dichloroethane	5.143	62	6185	2.122	ug/L	100
29) Cyclohexane	4.683	56	6264	2.059	ug/L	98
30) 1,1,1-Trichloroethane	4.612	97	8135	2.343	ug/L #	59
31) Carbon tetrachloride	4.831	117	7327	2.347	ug/L	99
33) Benzene	5.108	78	20202	2.488	ug/L	100
34) Trichloroethene	5.921	95	4818m	2.271	ug/L	
35) Methylcyclohexane	6.133	83	6981	2.112	ug/L	94
37) 1,2-Dichloropropane	6.178	63	5108	2.394	ug/L #	95
38) Bromodichloromethane	6.516	83	6802	2.356	ug/L	95
39) cis-1,3-Dichloropropene	7.034	75	7904	2.443	ug/L	95
40) 4-Methyl-2-pentanone	7.233	43	12243	4.449	ug/L	99
42) Toluene	7.394	91	24569	2.828	ug/L	96
44) trans-1,3-Dichloropropene	7.661	75	7112	2.267	ug/L	100
45) 1,1,2-Trichloroethane	7.847	97	4950	2.272	ug/L	93
46) Tetrachloroethene	7.979	164	4258	2.328	ug/L	86
48) 2-Hexanone	8.149	43	11576	5.298	ug/L	97
49) Dibromochloromethane	8.246	129	5804	2.332	ug/L	91
50) 1,2-Dibromoethane	8.358	107	5655	2.464	ug/L	93
51) Chlorobenzene	8.886	112	13708	2.336	ug/L	98
52) Ethylbenzene	9.017	91	19659	2.127	ug/L	95
53) m,p-Xylene	9.143	106	7508	2.107	ug/L	98
54) o-Xylene	9.548	106	7410	2.136	ug/L	90
55) Styrene	9.567	104	11842	1.964	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.242	83	9059	2.608	ug/L #	93
59) Bromoform	9.734	173	3890	2.360	ug/L #	97
60) Isopropylbenzene	9.934	105	17854	2.145	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	6619	2.710	ug/L	96
62) 1,3,5-Trimethylbenzene	10.541	105	13894	2.026	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	14022	2.037	ug/L	98
64) 1,3-Dichlorobenzene	11.185	146	10160	2.414	ug/L	96
65) 1,4-Dichlorobenzene	11.275	146	11075	2.527	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	11253	2.644	ug/L	88
68) 1,2-Dibromo-3-chloropr...	12.429	75	1839	2.698	ug/L	96
69) 1,3,5-Trichlorobenzene	12.651	180	7744	2.433	ug/L	94
70) 1,2,4-trichlorobenzene	13.265	180	6853	2.484	ug/L	94
71) Naphthalene	13.506	128	20082	2.267	ug/L	99
72) 1,2,3-Trichlorobenzene	13.747	180	6818	2.338	ug/L	98

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

Instrument :
MSVOA_V
ClientSampleId :
MDL02

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Abundance

TIC: VV023087.D\data.ms

Time-->

Chloroethane-d3,S
Vinyl chloride
Chloroethane-d5,S
Trichlorofluoromethane,T
Chloroethane,T
Trichlorofluoromethane,T
Acetone disulfide,T
Carbon tetrachloride,T
Methyl chloride,T
1,1-Dichloroethane,T
2-Butanone,T
1,2-Dichloroethane-d5,S
Butanone-d5,S
Chloroform,T
Chloroform-d,S
Carbon tetrachloride,T
1,2-Dichloroethane,T
Benzene-d6,S
1,2-Dichloroethane-d4,S
1,2-Dichloroethane-d2,S
1,1-Dichloroethane-d2,S
1,2-Dichloropropane-d6,S
1,4-Difluorobenzene,I
Trichloroethene,T
1,2-Dichloropropane,T
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-pentanone,I
Toluene,I
trans-1,3-Dichloropropene,T
trans-1,3-Dichloropropene-d4,S
1,1,2-Trichloroethane,T
2-Hexanone-d5,S
2-Hexanone,T
1,2-Dichloroethane,T
Chlorobenzene,T
Ethylbenzene,I
m,p-Xylene,I
Styrene,T
Bromofluoromethane,T
Isopropylbenzene
1,2,3-Trichloropropane,T
1,2,3-Trichloropropane-d2,S
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,2,4-Trichlorobenzene,T
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
1,2-Dichlorobenzene-d4,S
1,2-Dibromo-3-chloropropane,T
1,3,5-Trichlorobenzene
1,2,4-trichlorobenzene,T
Naphthalene
1,2,3-Trichlorobenzene,T