LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
Data File : VV016138.D
Acq On : 20 May 2020 17:48
Operator : SY/MD
Sample : L2725-09
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.315	62	70	75	rBV2	63633	74474	4.81%	0.728%
2	1.438	75	108	146	rVV2	156579	1205058	77.90%	11.772%
3	1.579	147	152	166	rVB	66060	102822	6.65%	1.004%
4	2.126	312	322	337	rVB	103311	154007	9.96%	1.505%
5	3.945	874	888	925	rBV2	71613	269668	17.43%	2.634%
6	4.380	1003	1023	1048	rBV	85103	214322	13.85%	2.094%
7	5.077	1221	1240	1275	rBV2	189465	495586	32.03%	4.841%
8	5.643	1404	1416	1439	rBV	170115	346164	22.38%	3.382%
9	6.096	1543	1557	1585	rBV	113471	239226	15.46%	2.337%
10	7.013	1830	1842	1859	rBV	48949	90262	5.83%	0.882%
11	7.341	1930	1944	1962	rBV	219093	381734	24.68%	3.729%
12	7.646	2028	2039	2052	rBV	29076	52568	3.40%	0.514%
13	8.116	2174	2185	2230	rBV	283722	560705	36.24%	5.478%
14	8.875	2409	2421	2443	rBV	268893	443505	28.67%	4.333%
15	9.569	2629	2637	2649	rBV2	9969	16560	1.07%	0.162%
16	10.238	2830	2845	2863	rVB	86648	136854	8.85%	1.337%
17	11.273	3155	3167	3185	rBV	289379	439665	28.42%	4.295%
18	11.360	3185	3194	3205	rVB2	11388	18173	1.17%	0.178%
19	11.550	3241	3253	3272	rBV	642260	973618	62.93%	9.511%
20	11.646	3272	3283	3307	rVB	254228	410821	26.56%	4.013%
21	12.138	3424	3436	3446	rBV	43931	66487	4.30%	0.650%
22	12.382	3503	3512	3522	rBV3	13138	20812	1.35%	0.203%
23	12.492	3536	3546	3557	rBV3	23109	41030	2.65%	0.401%
24	12.749	3617	3626	3633	rBV	22155	32329	2.09%	0.316%
25	12.906	3661	3675	3685	rBV	55447	86934	5.62%	0.849%
26	12.971	3685	3695	3706	rVB5	14563	23161	1.50%	0.226%
27	13.070	3717	3726	3737	rBV6	12586	21031	1.36%	0.205%
28	13.241	3770	3779	3789	rVB2	13825	22590	1.46%	0.221%
29	13.524	3855	3867	3892	rBV	1011604	1547026	100.00%	15.113%
30	13.646	3896	3905	3915	rVB	30295	46778	3.02%	0.457%
31	13.932	3986	3994	4006	rVB3	10257	15499	1.00%	0.151%
32	14.112	4041	4050	4063	rBV4	10983	22828	1.48%	0.223%
33	14.318	4106	4114	4126	rVB6	14524	26418	1.71%	0.258%
34	14.601	4191	4202	4209	rBV3	14937	25453	1.65%	0.249%

LSC Area Percent Report

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ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Title : TRACE VOA SOM01.0

35	14.656	4209	4219	4228	rVB2	26089	42021	2.72%	0.411%
36	14.842	4266	4277	4291	rBV	237738	369764	23.90%	3.612%
37	15.389	4436	4447	4457	rVB	48648	74738	4.83%	0.730%
38	15.578	4494	4506	4511	rBV2	15984	25130	1.62%	0.245%
39	15.611	4511	4516	4526	rVB	16693	26203	1.69%	0.256%
40	15.691	4531	4541	4560	rVB2	22150	48024	3.10%	0.469%
41	15.839	4576	4587	4594	rBV	84980	133650	8.64%	1.306%
42	16.035	4639	4648	4651	rBV4	17691	24135	1.56%	0.236%
43	16.064	4652	4657	4665	rVB3	25641	39179	2.53%	0.383%
44	16.205	4693	4701	4712	rBV4	16841	27390	1.77%	0.268%
45	16.511	4785	4796	4814	rBV	401688	642839	41.55%	6.280%
46	16.688	4844	4851	4862	rVV2	24336	41435	2.68%	0.405%
47	16.749	4865	4870	4878	rVV2	16539	24657	1.59%	0.241%
48	16.810	4878	4889	4907	rVB3	28444	69215	4.47%	0.676%
49	16.942	4923	4930	4943	rVB3	15492	23802	1.54%	0.233%

Sum of corrected areas: 10236350

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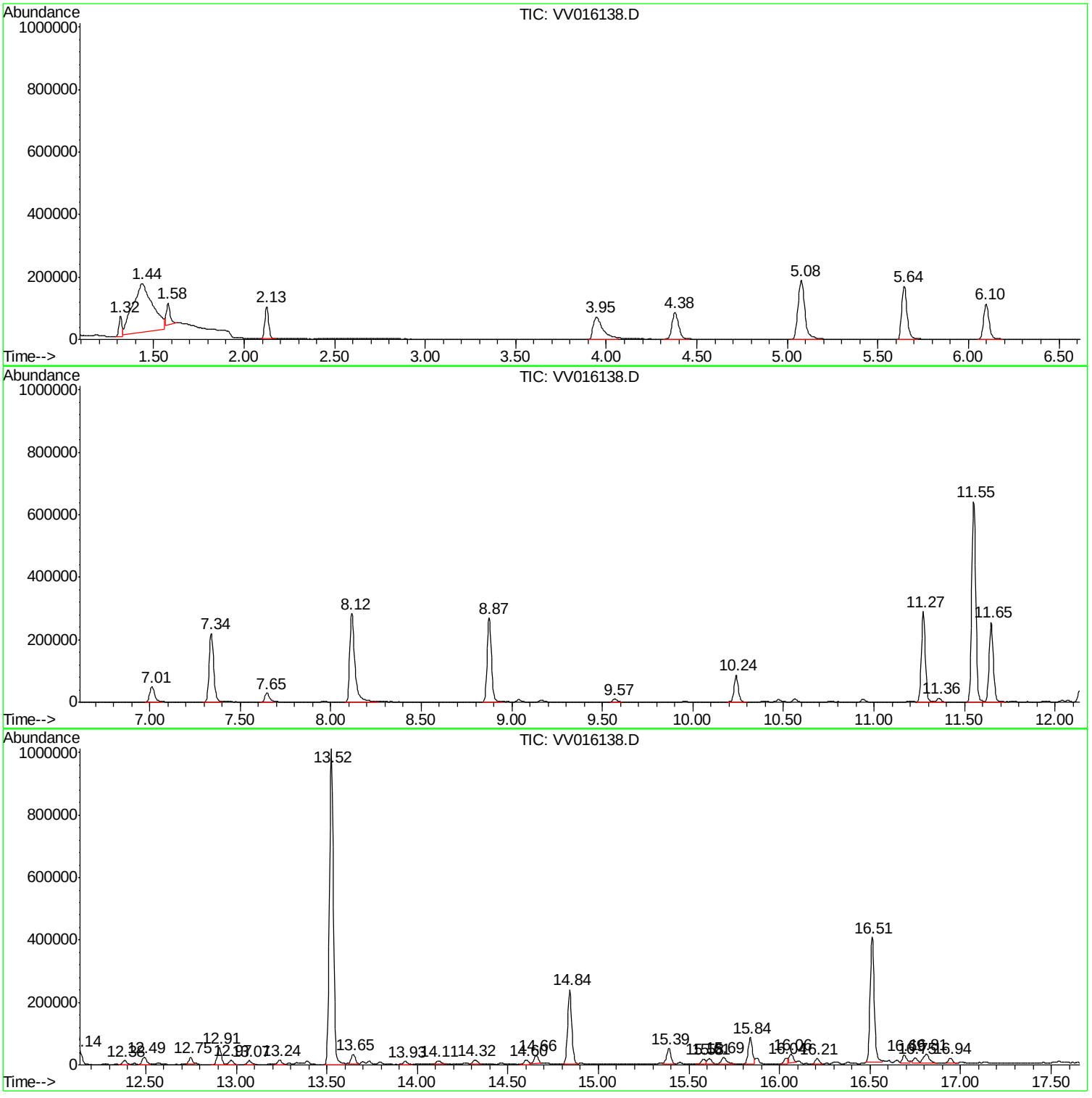
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052020\
Data File : VV016138.D
Acq On : 20 May 2020 17:48
Operator : SY/MD
Sample : L2725-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

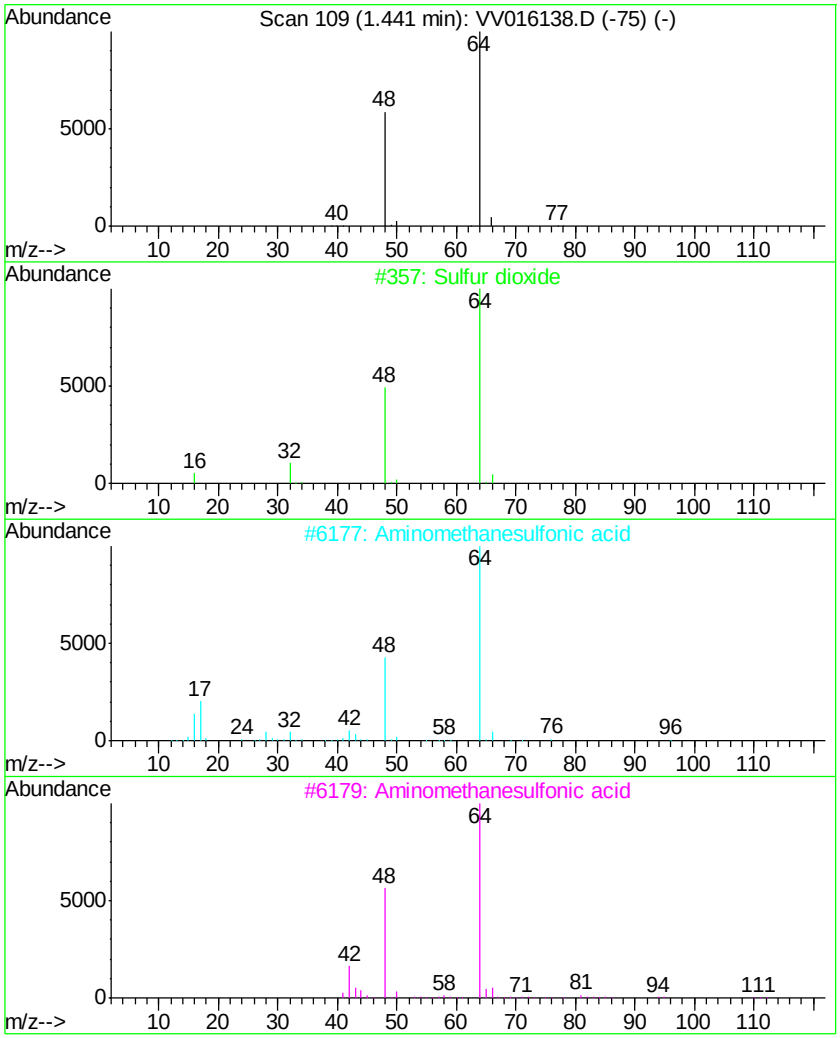
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

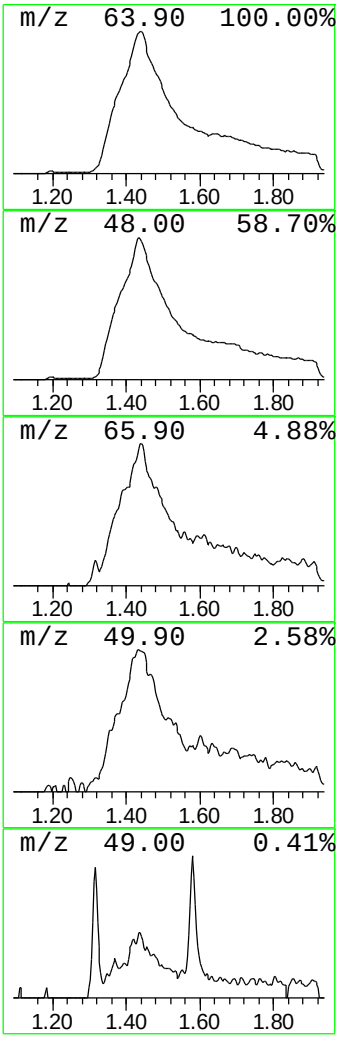
****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.44	17.41 ug/L	1205060	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052020\
Data File : VV016138.D
Acq On : 20 May 2020 17:48
Operator : SY/MD
Sample : L2725-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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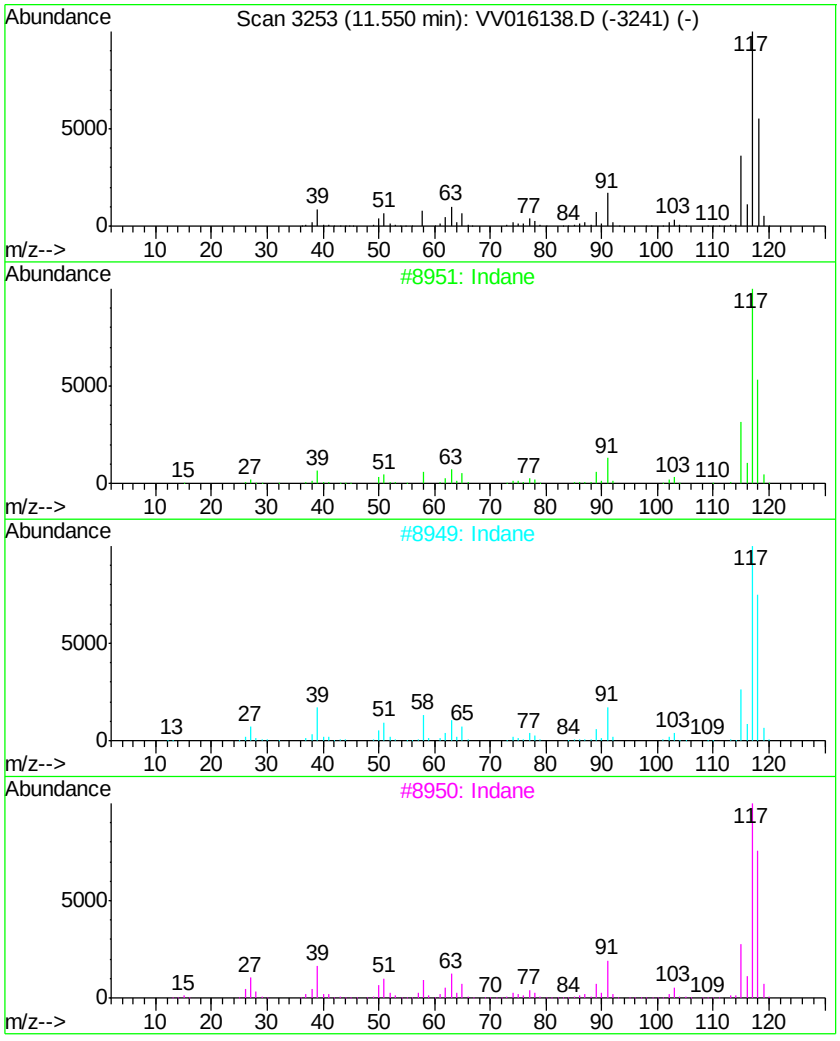
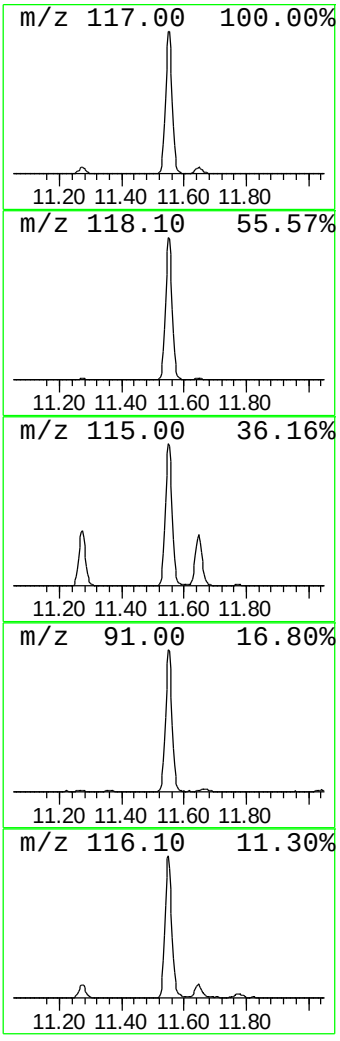
Peak Number 3 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	11.07 ug/L	973618	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052020\
Data File : VV016138.D
Acq On : 20 May 2020 17:48
Operator : SY/MD
Sample : L2725-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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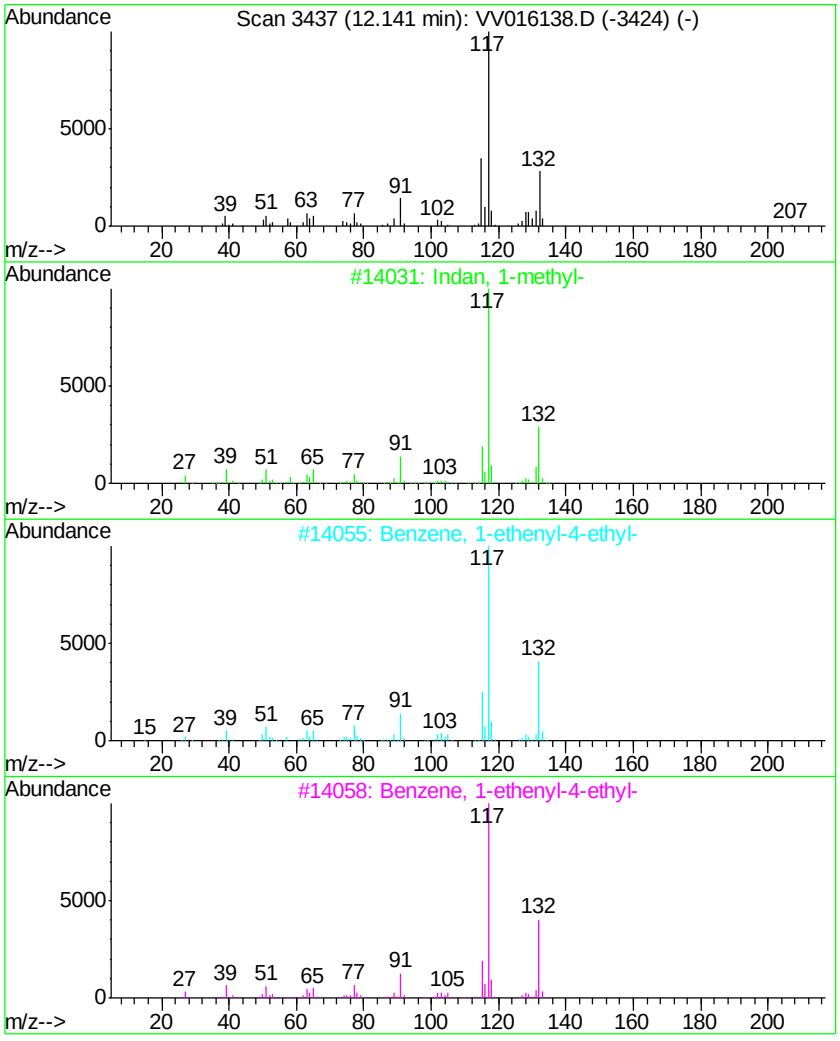
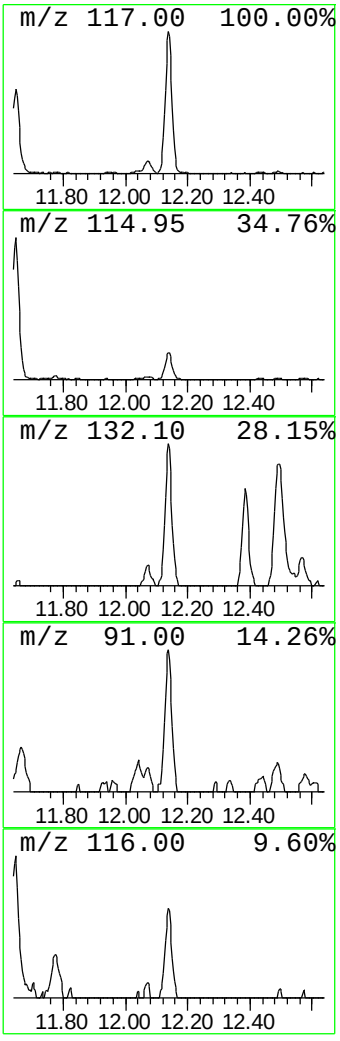
Peak Number 4 Indan, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	0.76 ug/L	66487	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052020\
Data File : VV016138.D
Acq On : 20 May 2020 17:48
Operator : SY/MD
Sample : L2725-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

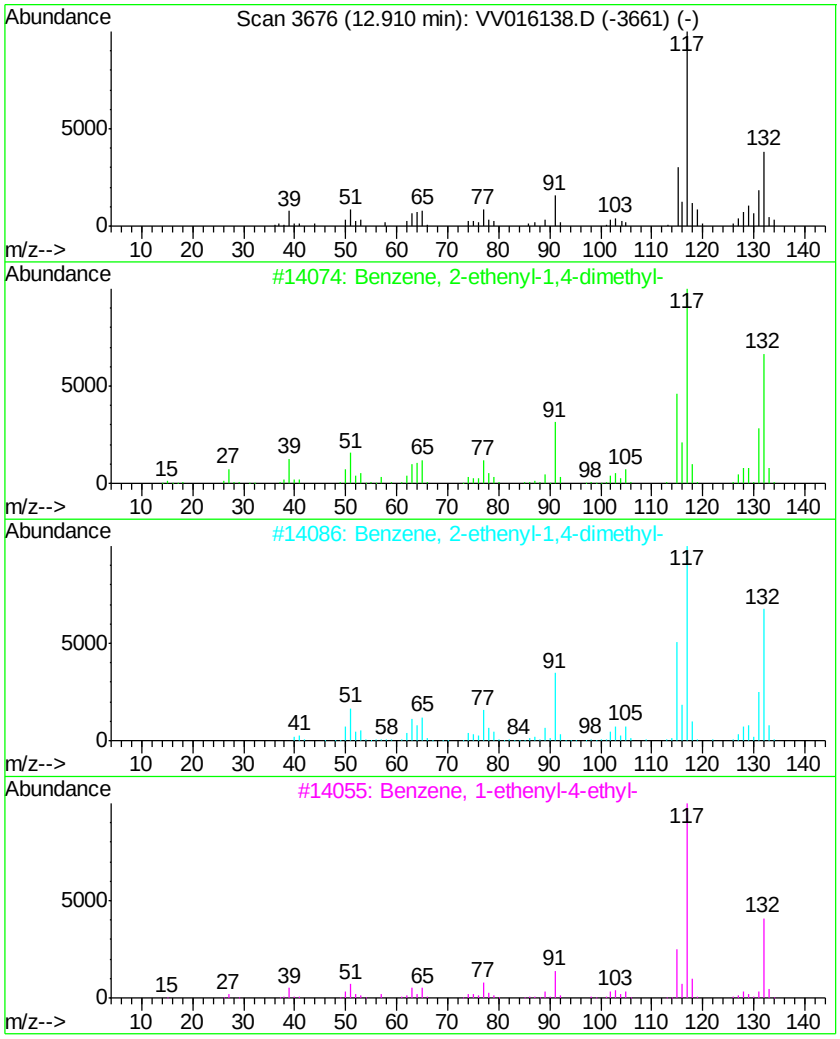
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

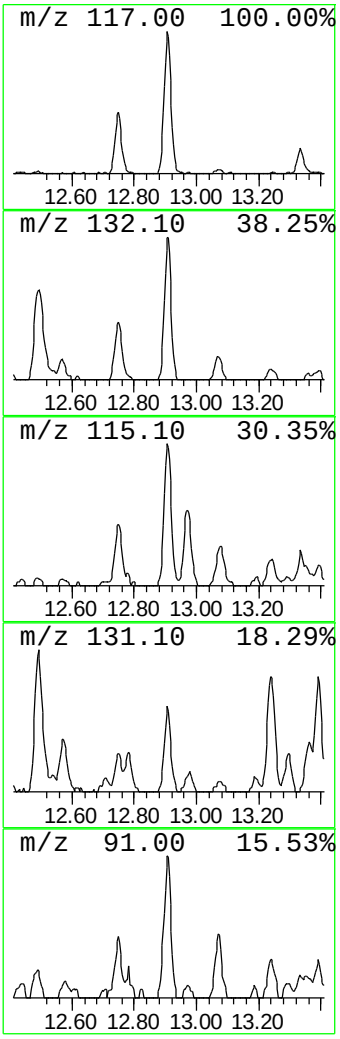
****

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	0.99 ug/L	86934	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Library Search Compound Report

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Acq On : 20 May 2020 17:48
Operator : SY/MD
Sample : L2725-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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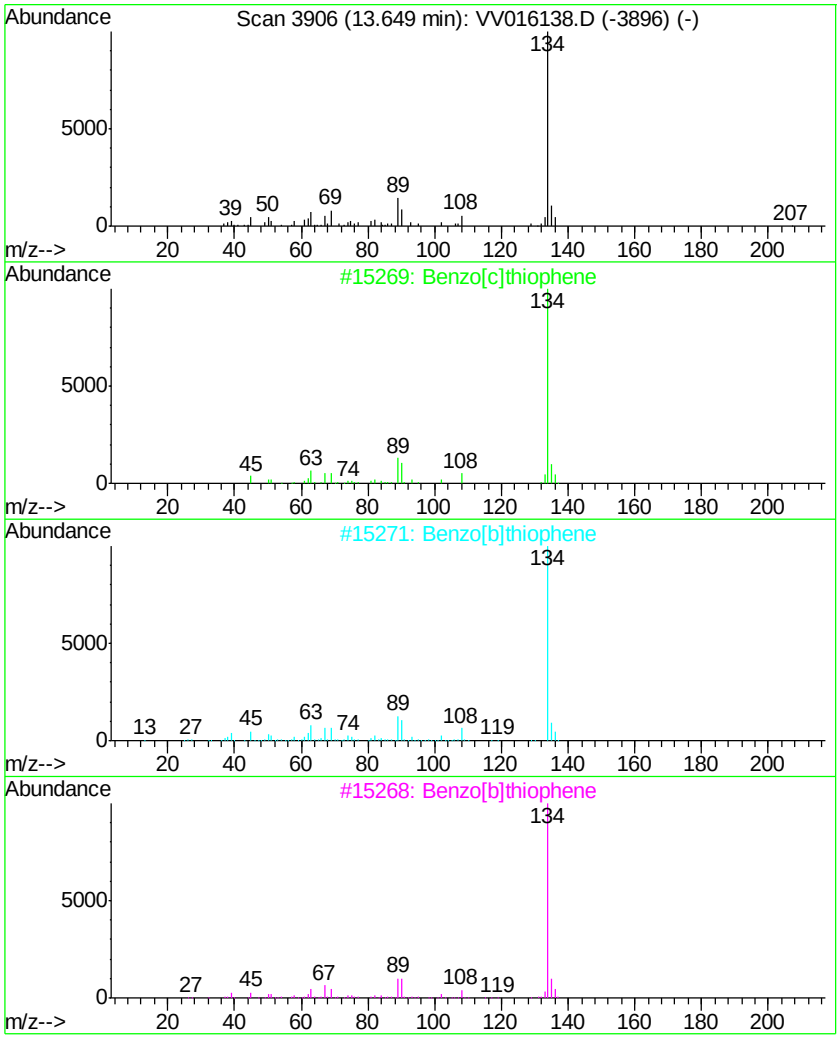
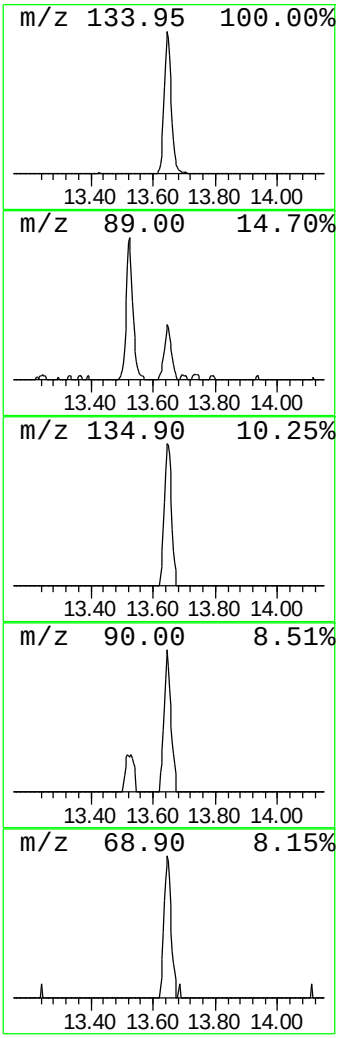
Peak Number 7 Benzo[c]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	0.53 ug/L	46778	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	83
5	Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	64





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ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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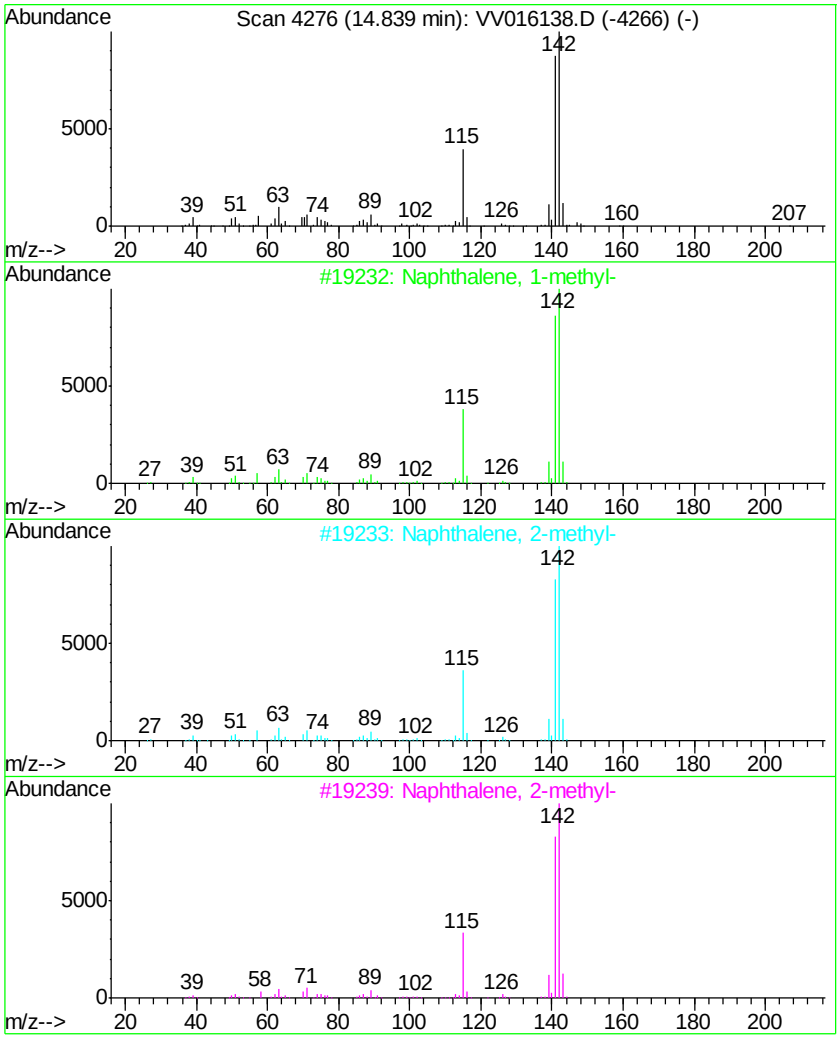
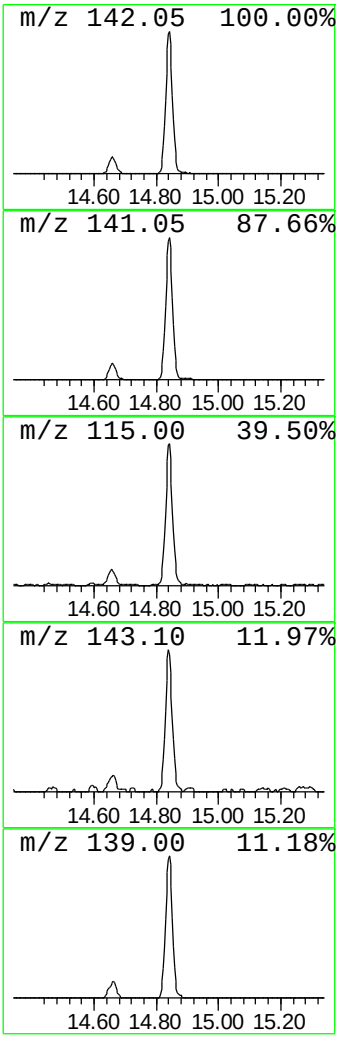
Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	4.21 ug/L	369764	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Benzocycloheptatriene	142	C11H10	000264-09-5	95
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





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Instrument : MSVOA_V
ClientSampleId : F9B19

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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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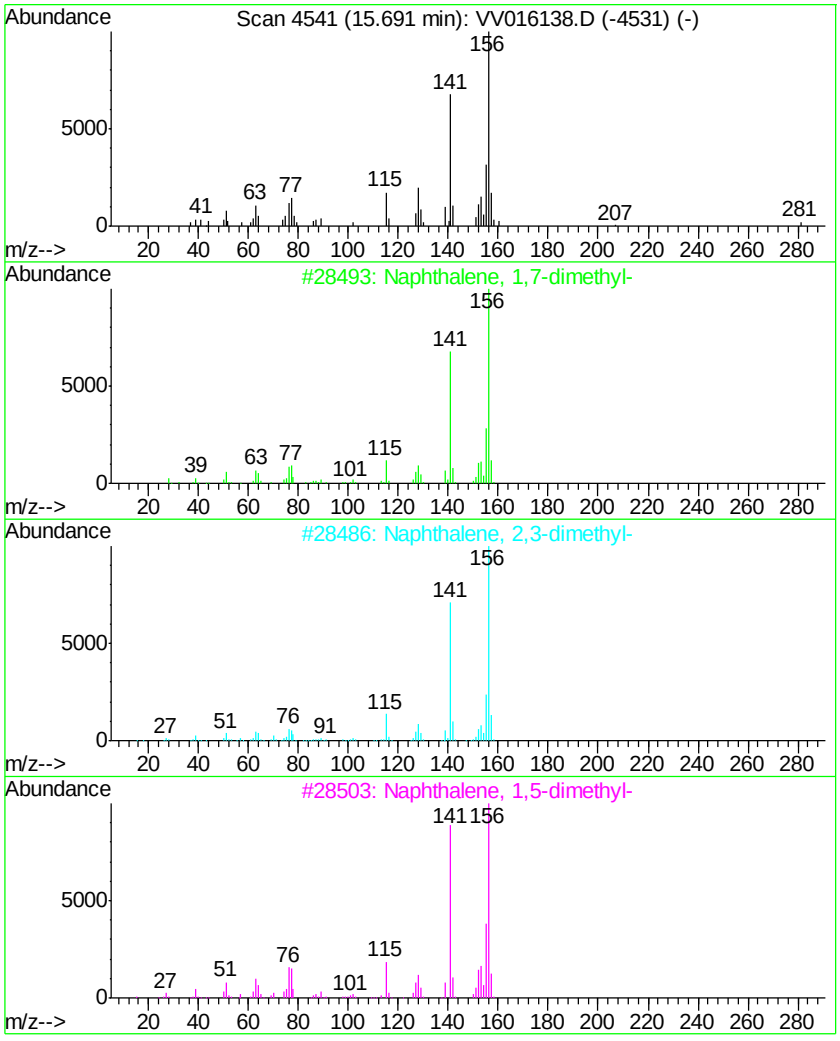
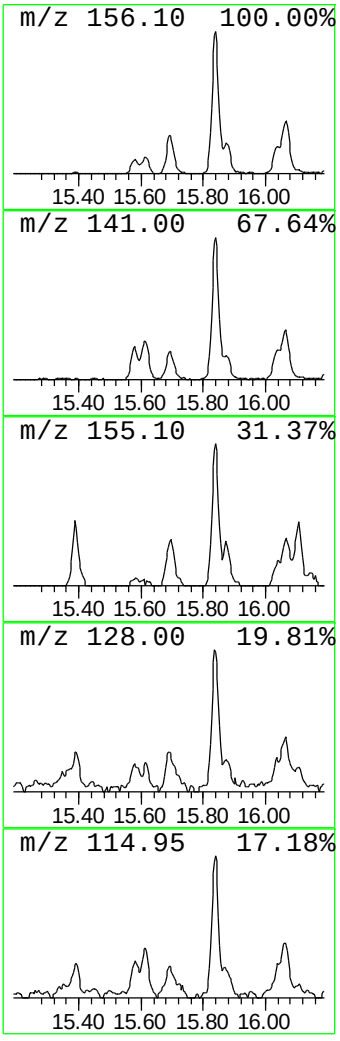
Peak Number 10 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	0.55 ug/L	48024	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Library Search Compound Report

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Data File : VV016138.D
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Operator : SY/MD
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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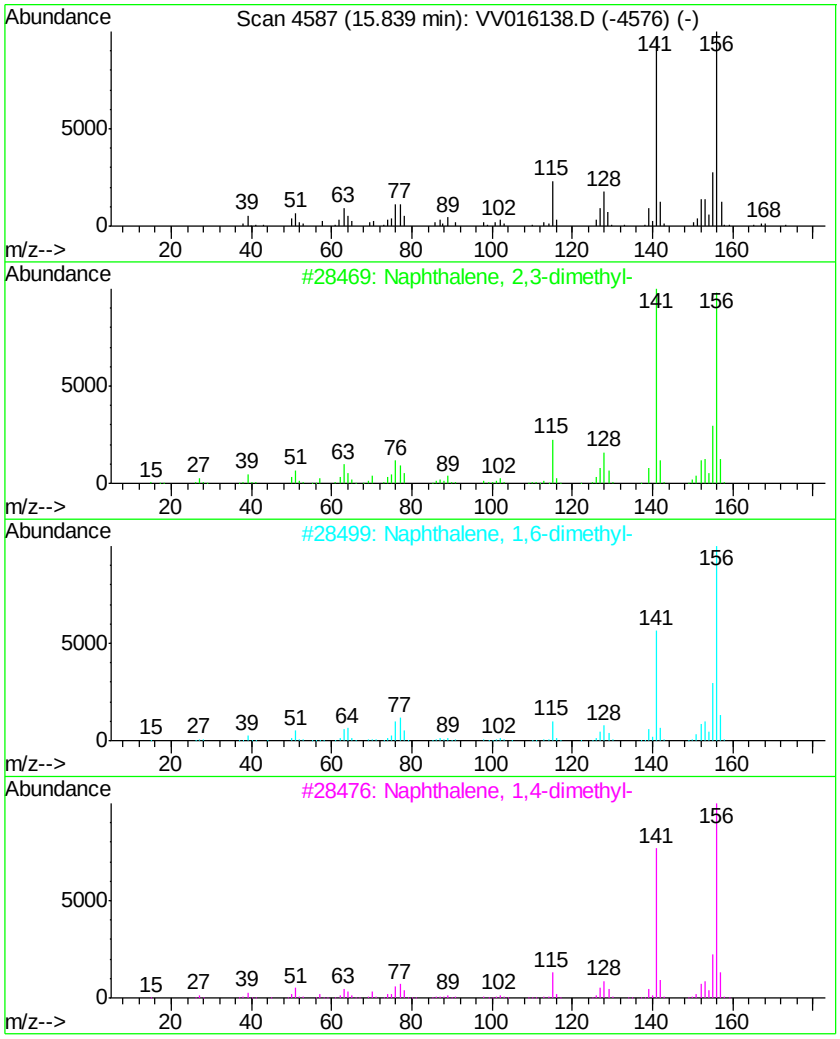
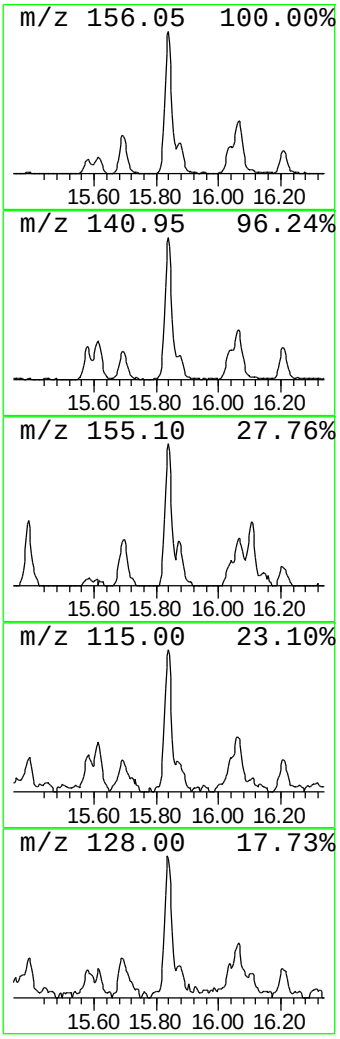
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	1.52 ug/L	133650	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052020\
Data File : VV016138.D
Acq On : 20 May 2020 17:48
Operator : SY/MD
Sample : L2725-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.44	17.4	ug/L	1205060	1	5.64	346164	5.0
Indane	11.55	11.1	ug/L	973618	3	11.27	439665	5.0
Indan, 1-methyl-	12.14	0.8	ug/L	66487	3	11.27	439665	5.0
Benzene, 2-etheny...	12.91	1.0	ug/L	86934	3	11.27	439665	5.0
Benzo[c]thiophene	13.65	0.5	ug/L	46778	3	11.27	439665	5.0
Naphthalene, 1-me...	14.84	4.2	ug/L	369764	3	11.27	439665	5.0
Naphthalene, 1,7-...	15.69	0.6	ug/L	48024	3	11.27	439665	5.0
Naphthalene, 2,3-...	15.84	1.5	ug/L	133650	3	11.27	439665	5.0