LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.075	76	80	93	rBV	1824797	2212065	100.00%	13.947%
2	1.331	117	122	128	rBV	55744	170912	7.73%	1.078%
3	2.123	247	252	261	rVB	50608	77398	3.50%	0.488%
4	2.453	300	306	309	rBV	72537	125607	5.68%	0.792%
5	2.483	309	311	321	rVB	51847	77026	3.48%	0.486%
6	2.623	328	334	346	rBV	166644	311938	14.10%	1.967%
7	3.782	517	524	537	rVB4	7105	22407	1.01%	0.141%
8	4.721	668	678	686	rBV2	30156	86833	3.93%	0.547%
9	5.178	740	753	775	rBV2	247639	827510	37.41%	5.217%
10	5.513	796	808	822	rBV2	155894	440133	19.90%	2.775%
11	5.672	822	834	848	rBV	226977	645212	29.17%	4.068%
12	6.074	888	900	920	rBV	168123	438736	19.83%	2.766%
13	6.867	1020	1030	1049	rBV	316540	750439	33.92%	4.732%
14	8.659	1318	1324	1328	rBV	21148	34623	1.57%	0.218%
15	8.720	1328	1334	1340	rVV	786470	1190180	53.80%	7.504%
16	8.787	1340	1345	1358	rVB	422279	675758	30.55%	4.261%
17	10.116	1555	1563	1580	rBV	630722	880455	39.80%	5.551%
18	10.701	1653	1659	1665	rBV	104202	145902	6.60%	0.920%
19	11.024	1706	1712	1720	rBV	32542	44530	2.01%	0.281%
20	11.140	1726	1731	1737	rBV	629524	824580	37.28%	5.199%
21	11.671	1807	1818	1827	rBV	16998	38711	1.75%	0.244%
22	11.811	1837	1841	1848	rVB	29677	42837	1.94%	0.270%
23	12.030	1873	1877	1880	rBV2	21482	22932	1.04%	0.145%
24	12.085	1880	1886	1893	rVV	783921	1016455	45.95%	6.409%
25	12.152	1893	1897	1905	rVB	15710	24116	1.09%	0.152%
26	12.305	1914	1922	1930	rBV	983135	1222105	55.25%	7.705%
27	12.378	1930	1934	1944	rVB3	30051	55010	2.49%	0.347%
28	12.469	1944	1949	1954	rBV3	18248	30736	1.39%	0.194%
29	12.585	1963	1968	1971	rBV2	58817	76334	3.45%	0.481%
30	12.670	1978	1982	1986	rBV	62126	75169	3.40%	0.474%
31	12.762	1993	1997	2005	rVB2	80090	130751	5.91%	0.824%
32	12.981	2024	2033	2037	rBV3	66495	106586	4.82%	0.672%
33	13.024	2037	2040	2047	rVB2	32596	43653	1.97%	0.275%
34	13.091	2047	2051	2055	rBV3	15597	26357	1.19%	0.166%

LSC Area Percent Report

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Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Title : SW846 8260

35	13.231	2070	2074	2078	rVB	109835	130593	5.90%	0.823%
36	13.317	2084	2088	2090	rBV3	16334	24745	1.12%	0.156%
37	13.353	2090	2094	2099	rVV2	218670	301145	13.61%	1.899%
38	13.402	2099	2102	2105	rVV3	29060	34144	1.54%	0.215%
39	13.487	2112	2116	2123	rVB2	56623	79808	3.61%	0.503%
40	13.573	2123	2130	2132	rBV6	29692	48969	2.21%	0.309%
41	13.603	2132	2135	2138	rVV	41423	60363	2.73%	0.381%
42	13.652	2138	2143	2149	rVV4	100947	185021	8.36%	1.167%
43	13.725	2153	2155	2161	rVB2	53501	80294	3.63%	0.506%
44	13.817	2164	2170	2171	rVV3	13558	23171	1.05%	0.146%
45	13.841	2171	2174	2181	rVB2	43714	77654	3.51%	0.490%
46	13.914	2181	2186	2190	rVB5	21011	33657	1.52%	0.212%
47	13.987	2193	2198	2203	rBV3	34656	49919	2.26%	0.315%
48	14.036	2203	2206	2210	rBV2	24222	32872	1.49%	0.207%
49	14.140	2218	2223	2226	rBV2	33145	45088	2.04%	0.284%
50	14.280	2242	2246	2252	rBV3	57367	115044	5.20%	0.725%
51	14.384	2260	2263	2268	rBV	29389	35657	1.61%	0.225%
52	14.438	2268	2272	2276	rVB2	51240	66333	3.00%	0.418%
53	14.548	2285	2290	2294	rBV2	49757	76878	3.48%	0.485%
54	14.701	2308	2315	2319	rBV	133550	196768	8.90%	1.241%
55	14.737	2319	2321	2325	rVB2	35713	39276	1.78%	0.248%
56	14.847	2334	2339	2343	rBV	228535	287264	12.99%	1.811%
57	15.255	2401	2406	2414	rVV4	31700	60843	2.75%	0.384%
58	15.450	2434	2438	2441	rBV2	35478	48104	2.17%	0.303%
59	15.487	2441	2444	2448	rVB	20570	27256	1.23%	0.172%
60	15.554	2450	2455	2460	rBV	91846	147682	6.68%	0.931%
61	15.694	2473	2478	2482	rBV	128269	205548	9.29%	1.296%
62	15.731	2482	2484	2493	rVB	75149	110994	5.02%	0.700%
63	15.822	2493	2499	2505	rBV4	11969	23918	1.08%	0.151%
64	15.926	2507	2516	2527	rVB2	44069	129298	5.85%	0.815%
65	16.078	2534	2541	2550	rBV	27284	53642	2.42%	0.338%
66	16.182	2553	2558	2563	rBV3	12656	23583	1.07%	0.149%
67	16.426	2593	2598	2611	rVB3	37400	86571	3.91%	0.546%
68	16.700	2640	2643	2649	rVB2	14442	24221	1.09%	0.153%

Sum of corrected areas: 15860319

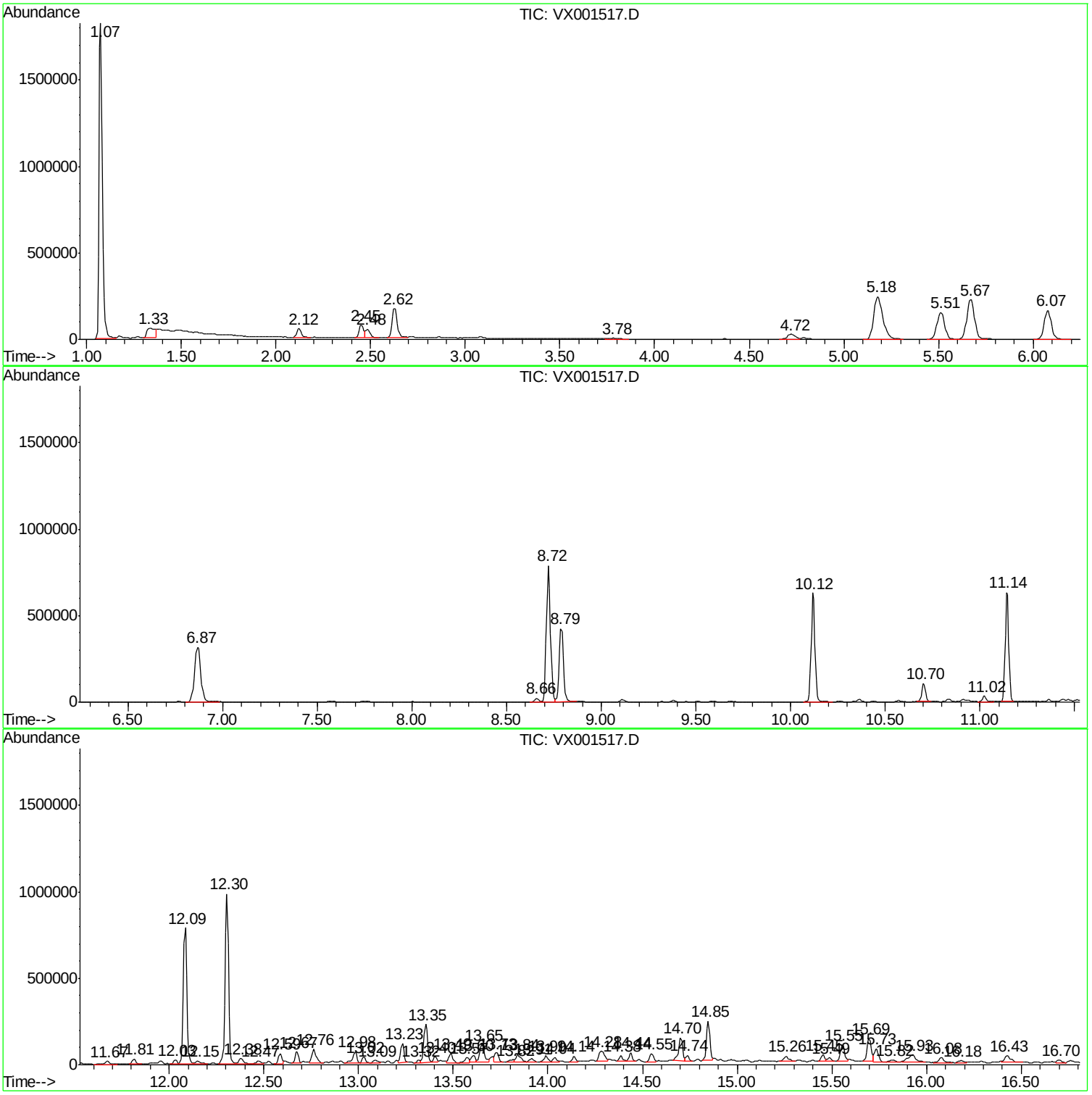
LSC Report - Integrated Chromatogram

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

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



Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
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Sample : J2787-01
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

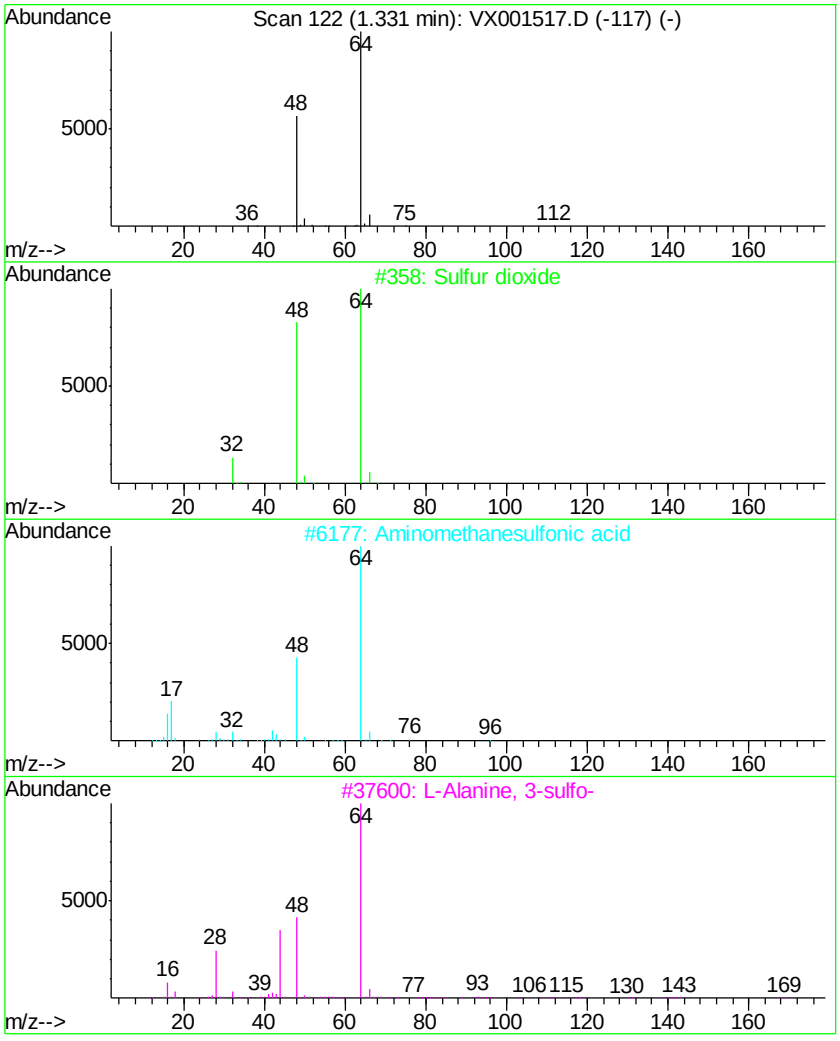
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

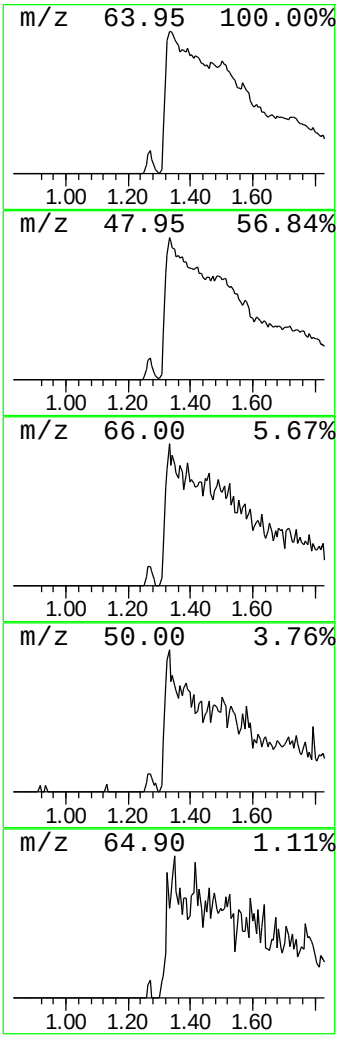
****

Peak Number 2 Sulfur dioxide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.33	13.24 ug/l	170912	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

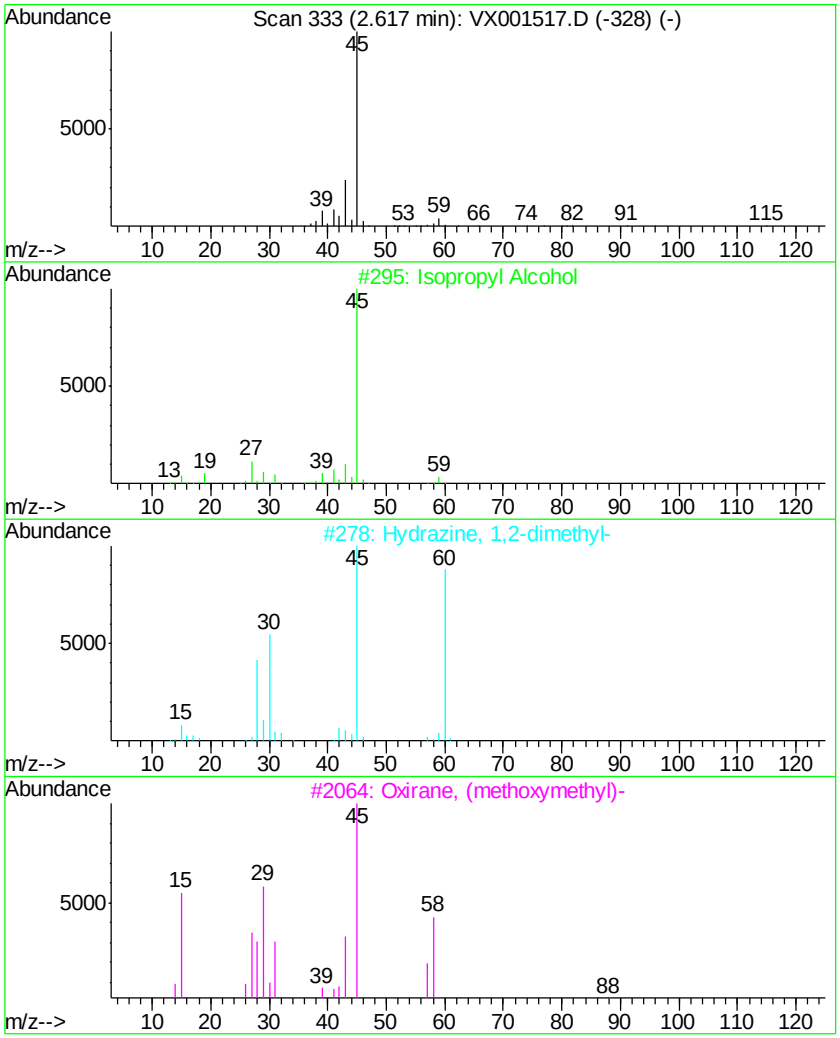
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

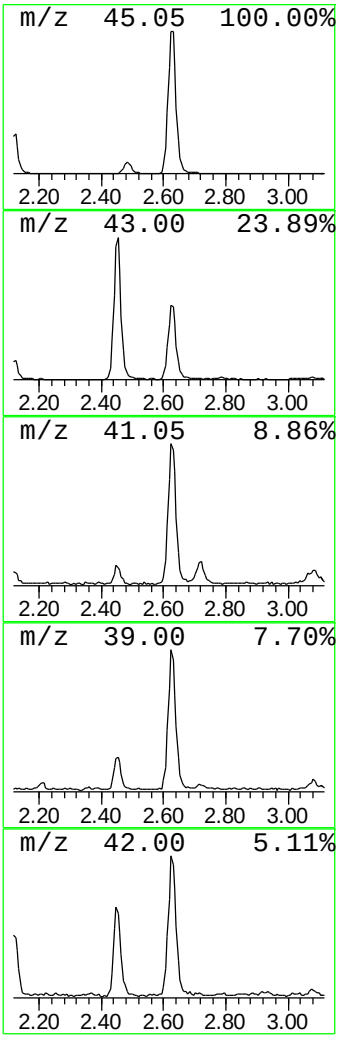
****

Peak Number 3 Isopropyl Alcohol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.62	24.17 ug/l	311938	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
3	Oxirane, (methoxymethyl)-	88	C4H8O2	000930-37-0	4
4	4-Penten-2-ol	86	C5H10O	000625-31-0	4
5	Formamide	45	CH3NO	000075-12-7	4





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

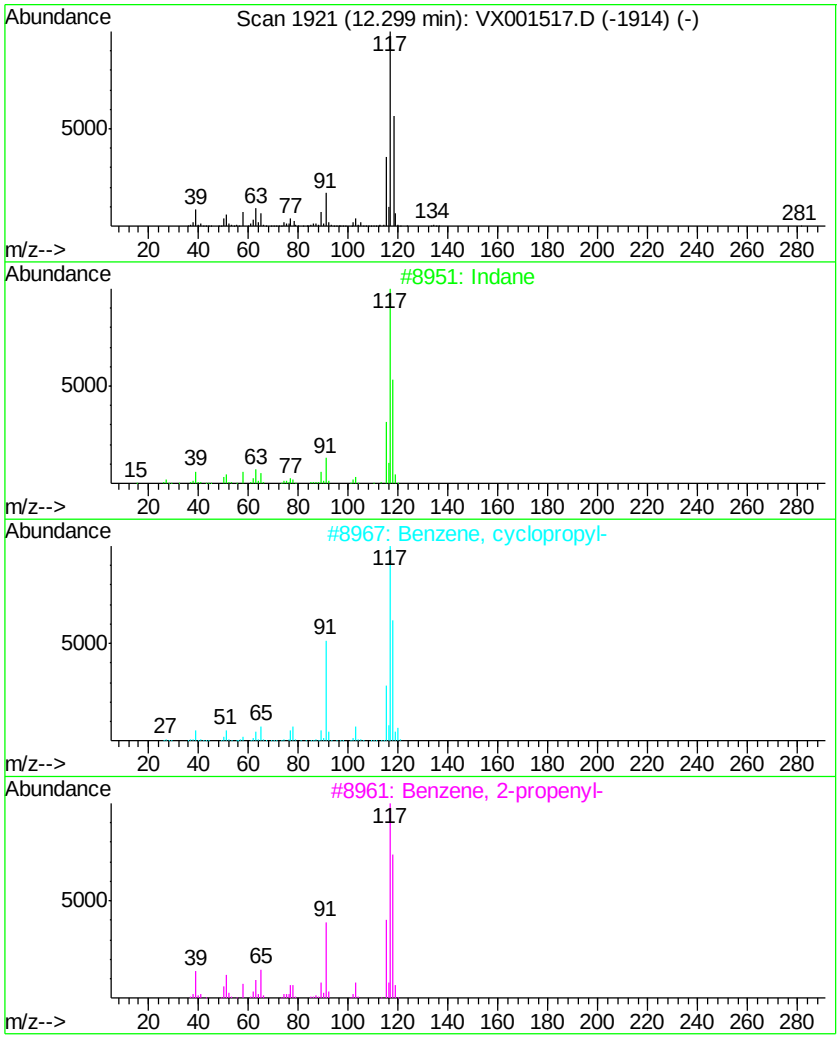
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

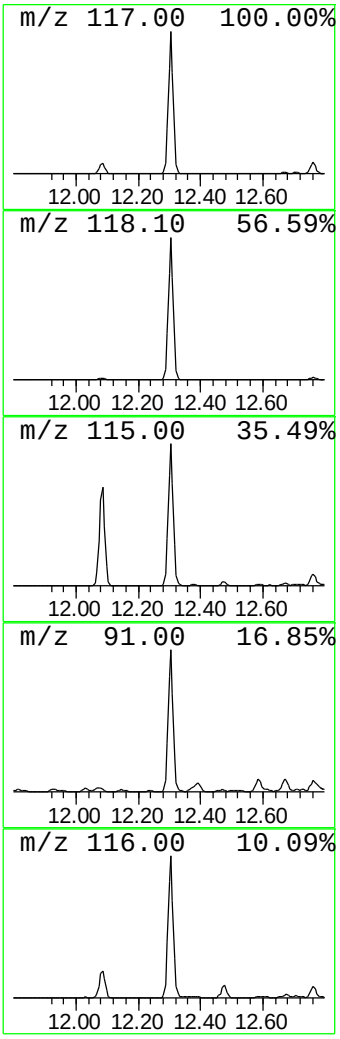
****

Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	60.12 ug/l	1222110	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

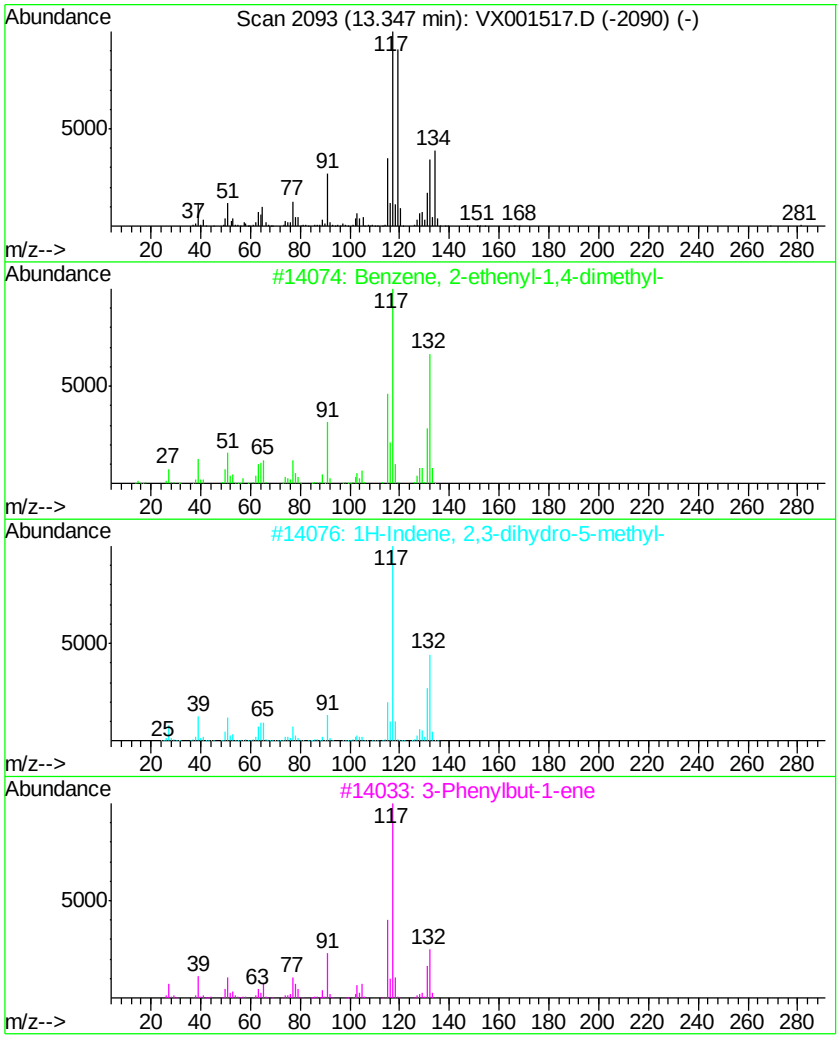
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

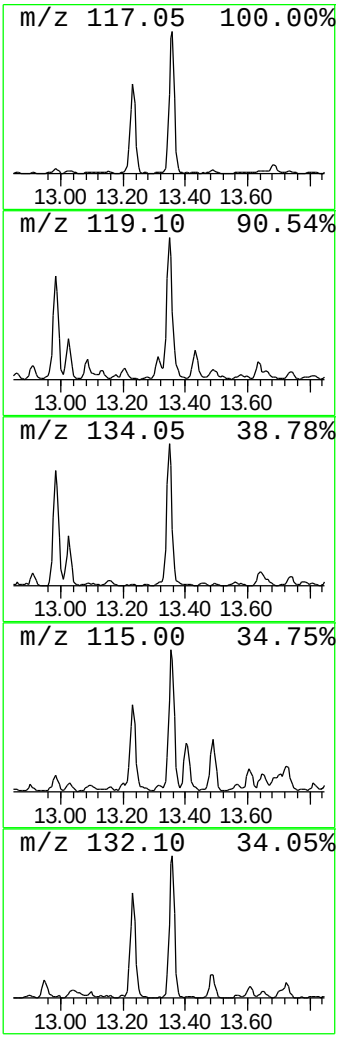
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	14.81 ug/l	301145	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	76
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
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Sample : J2787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

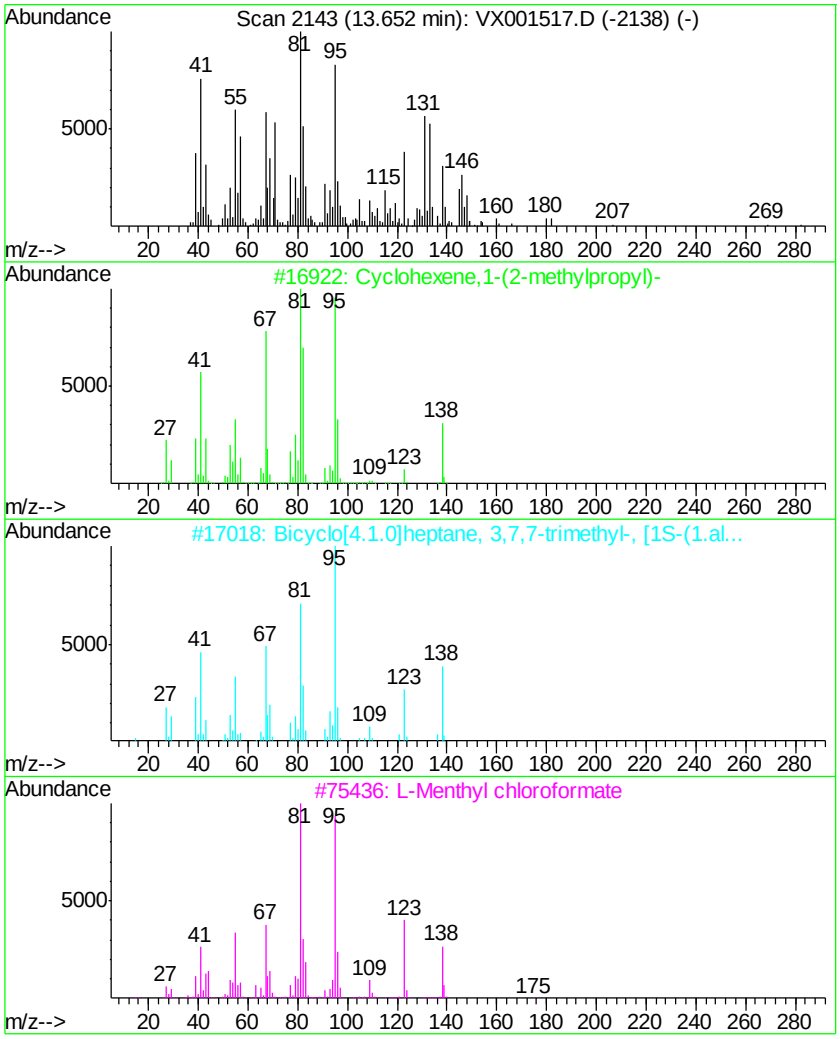
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

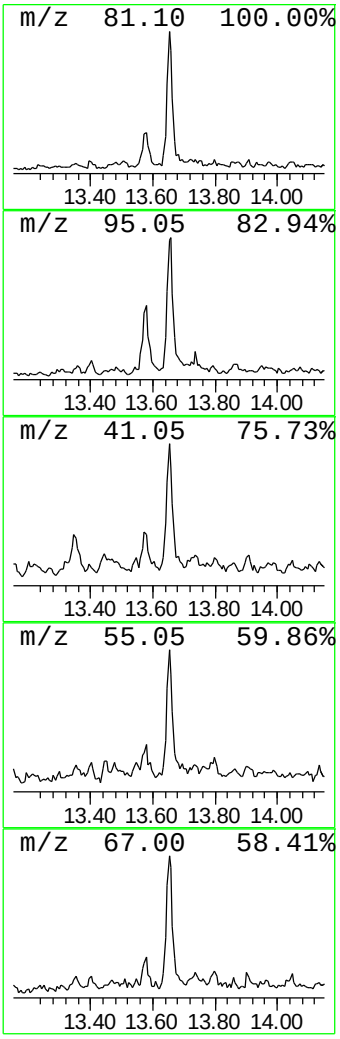
****

Peak Number 6 Cyclohexene,1-(2-methylprop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	9.10 ug/l	185021	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	91
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	55
3	L-Menthyl chloroformate	218	C11H19ClO2	014602-86-9	52
4	(1S)-(+)-Menthyl chloroformate	218	C11H19ClO2	007635-54-3	52
5	Cyclohexane, 2-chloro-4-methyl-1...	174	C10H19Cl	016052-42-9	52





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

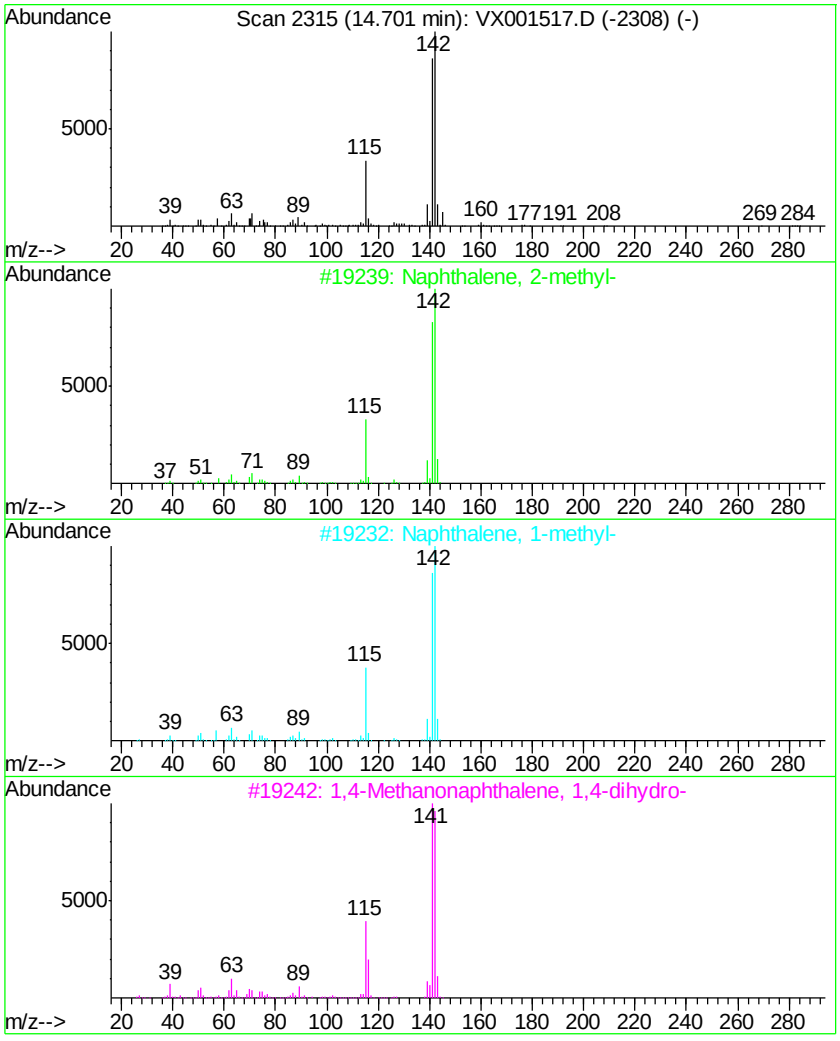
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

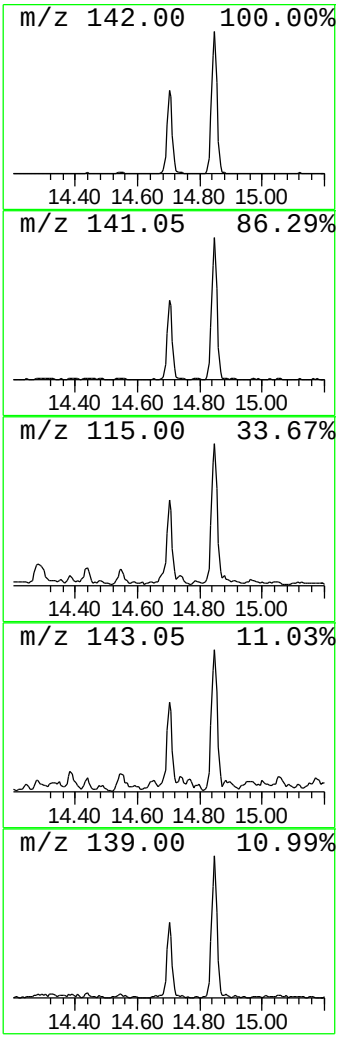
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	9.68 ug/l	196768	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	47





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

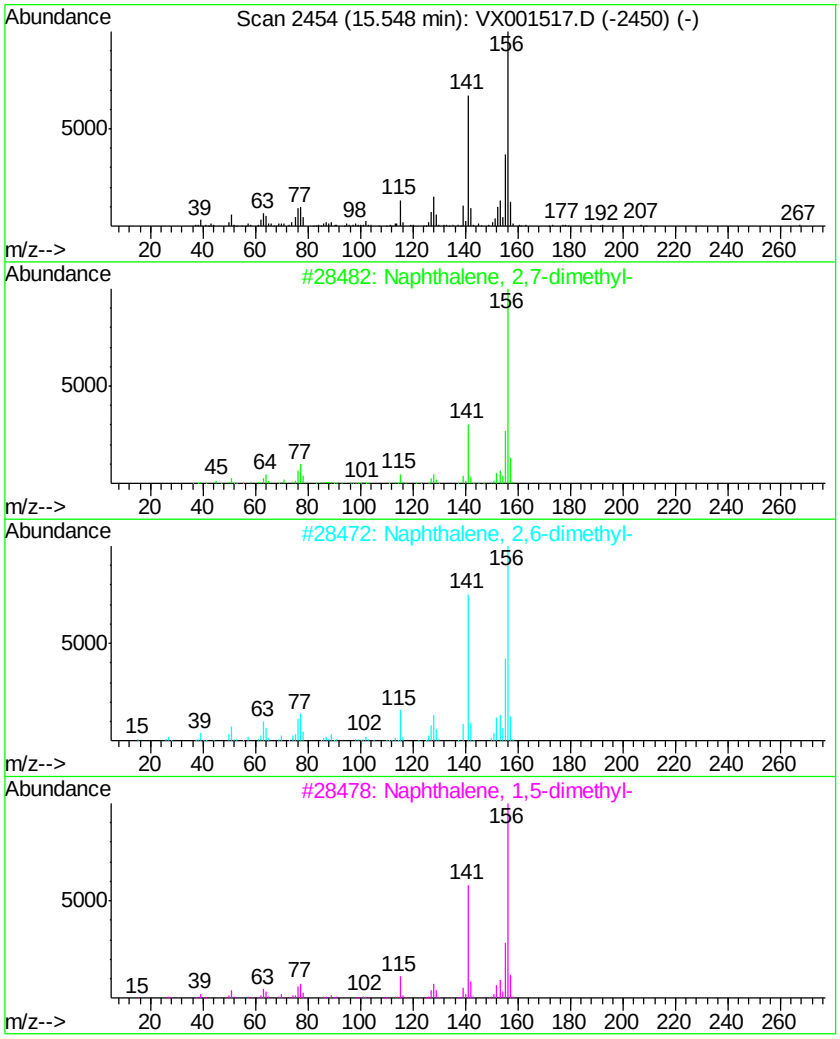
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

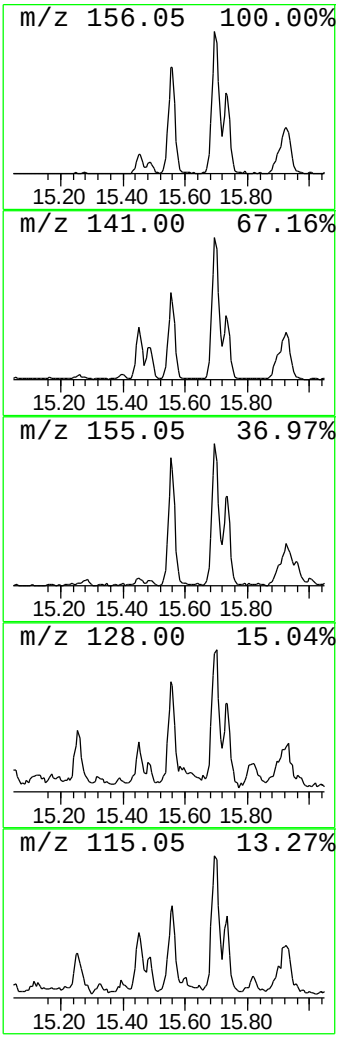
****

Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	7.26 ug/l	147682	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

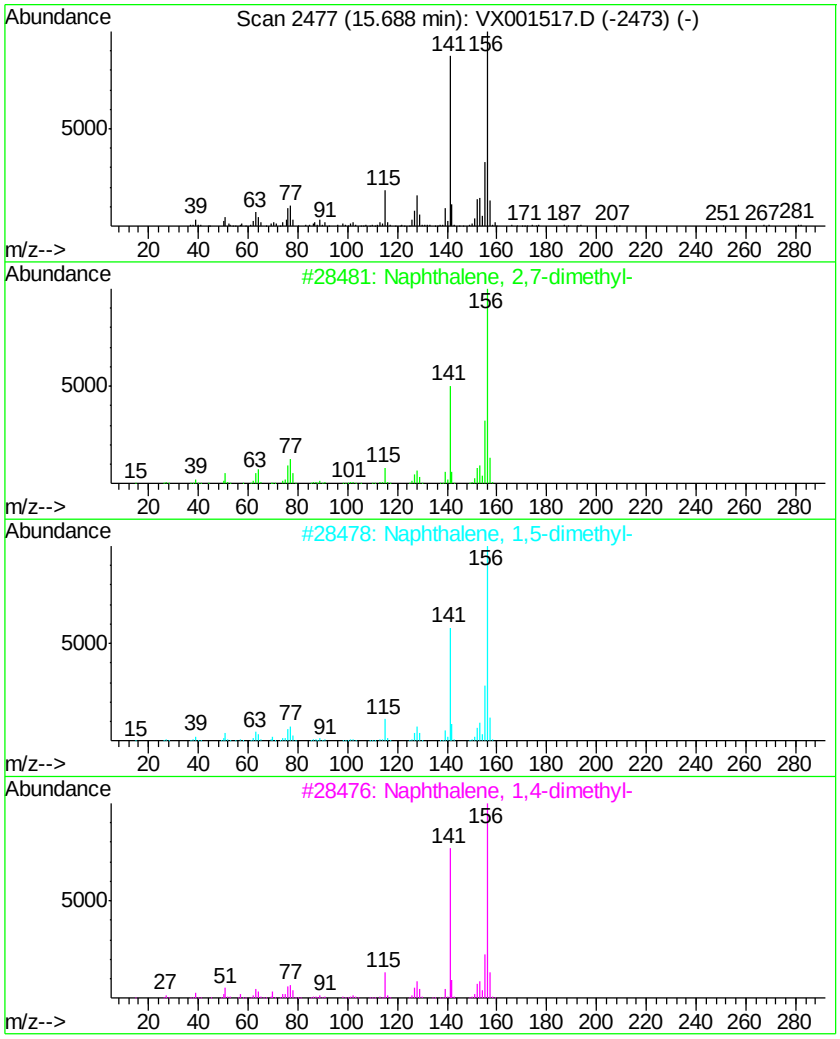
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

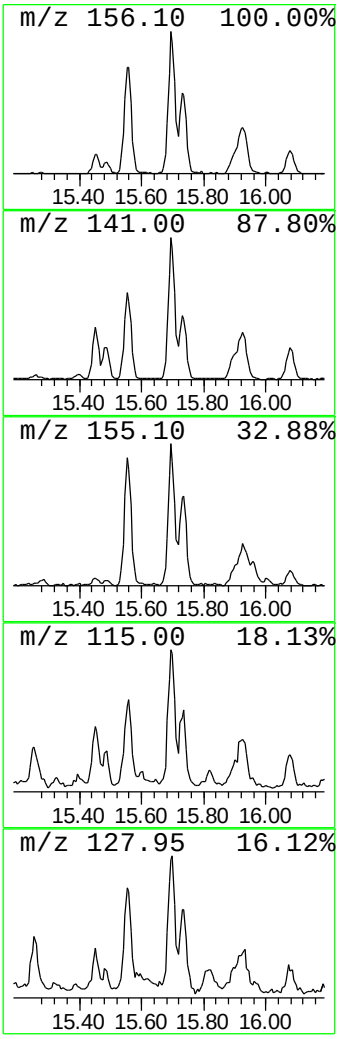
****

Peak Number 10 Naphthalene, 1,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	10.11 ug/l	205548	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
Data File : VX001517.D
Acq On : 08 May 2018 16:40
Operator : JC/MD
Sample : J2787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : V23608-VB102

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

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	1.33	13.2	ug/l	170912	1	5.67	645212	50.0
Isopropyl Alcohol	2.62	24.2	ug/l	311938	1	5.67	645212	50.0
Indane	12.30	60.1	ug/l	1222110	4	12.09	1016460	50.0
Benzene, 2-etheny...	13.35	14.8	ug/l	301145	4	12.09	1016460	50.0
Cyclohexene,1-(2-...	13.65	9.1	ug/l	185021	4	12.09	1016460	50.0
Naphthalene, 1-me...	14.70	9.7	ug/l	196768	4	12.09	1016460	50.0
Naphthalene, 2,7-...	15.55	7.3	ug/l	147682	4	12.09	1016460	50.0
Naphthalene, 1,5-...	15.69	10.1	ug/l	205548	4	12.09	1016460	50.0