LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053085.D
Acq On : 21 Dec 2018 4:49
Operator : MD\SY
Sample : J6517-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 46 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-121918

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 : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.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	5.050	995	1019	1041	rVB2	26994	99847	1.52%	0.111%
2	7.593	1789	1810	1821	rBV	681818	1734974	26.37%	1.937%
3	7.667	1821	1833	1854	rVB	1427558	3367116	51.18%	3.759%
4	8.027	1928	1945	1972	rBV	725345	1707358	25.95%	1.906%
5	8.313	1977	2034	2037	rBV	77037	409832	6.23%	0.458%
6	8.587	2103	2119	2142	rBV	2005113	4155689	63.17%	4.639%
7	9.082	2252	2273	2289	rBV3	91217	209451	3.18%	0.234%
8	10.091	2572	2587	2600	rBV	3225902	5929765	90.14%	6.620%
9	10.156	2600	2607	2623	rVB	161075	289244	4.40%	0.323%
10	11.407	2982	2996	3015	rBV	2817687	4802171	73.00%	5.361%
11	11.509	3015	3028	3046	rVB2	128454	248708	3.78%	0.278%
12	11.619	3046	3062	3082	rBV	309314	656953	9.99%	0.733%
13	11.947	3145	3164	3180	rBV	227033	465901	7.08%	0.520%
14	12.249	3247	3258	3270	rVB	368979	595480	9.05%	0.665%
15	12.403	3292	3306	3319	rBV	2307702	3823002	58.11%	4.268%
16	12.593	3340	3365	3375	rVV	658514	1232373	18.73%	1.376%
17	12.654	3376	3384	3389	rVV	144096	229427	3.49%	0.256%
18	12.689	3389	3395	3401	rVV	168672	278489	4.23%	0.311%
19	12.731	3402	3408	3419	rVB	198726	321453	4.89%	0.359%
20	12.892	3443	3458	3468	rBV	163455	300936	4.57%	0.336%
21	13.040	3494	3504	3515	rVB	760917	1202463	18.28%	1.342%
22	13.172	3530	3545	3555	rBV3	388333	800295	12.17%	0.893%
23	13.236	3559	3565	3573	rVV2	83907	145594	2.21%	0.163%
24	13.291	3575	3582	3587	rVV	83153	124856	1.90%	0.139%
25	13.345	3587	3599	3621	rVB2	2739284	5087895	77.34%	5.680%
26	13.442	3622	3629	3639	rVB	121535	173259	2.63%	0.193%
27	13.513	3641	3651	3655	rVV	575074	904723	13.75%	1.010%
28	13.545	3655	3661	3669	rVV	1021206	1627667	24.74%	1.817%
29	13.593	3669	3676	3691	rVV3	345653	835419	12.70%	0.933%
30	13.673	3691	3701	3710	rVB2	326725	538137	8.18%	0.601%
31	13.802	3734	3741	3746	rBV	128609	196546	2.99%	0.219%
32	13.834	3747	3751	3758	rVV2	144390	193295	2.94%	0.216%
33	13.889	3758	3768	3778	rVV	1482622	2230089	33.90%	2.490%
34	13.947	3778	3786	3792	rVV	354884	559929	8.51%	0.625%

LSC Area Percent Report

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Operator : MD\SY
Sample : J6517-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 46 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-121918

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 : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Title : SW846 8260

35	13.995	3792	3801	3812	rVB2	1375067	2314759	35.19%	2.584%
36	14.130	3832	3843	3851	rBV4	244377	418998	6.37%	0.468%
37	14.210	3851	3868	3876	rVV	1051356	1995014	30.33%	2.227%
38	14.249	3876	3880	3887	rVB	292356	363510	5.53%	0.406%
39	14.294	3887	3894	3900	rBV2	188228	241140	3.67%	0.269%
40	14.365	3911	3916	3923	rVB	146292	166800	2.54%	0.186%
41	14.426	3926	3935	3943	rVB4	199797	381146	5.79%	0.426%
42	14.477	3943	3951	3961	rBV2	618403	1003753	15.26%	1.121%
43	14.529	3961	3967	3973	rVB2	162975	219932	3.34%	0.246%
44	14.586	3973	3985	3998	rBV4	2930771	5938074	90.27%	6.629%
45	14.651	3998	4005	4016	rVB4	337439	605295	9.20%	0.676%
46	14.744	4025	4034	4043	rVB2	482372	743129	11.30%	0.830%
47	14.815	4050	4056	4058	rBV3	141690	163950	2.49%	0.183%
48	14.853	4060	4068	4074	rVV3	609185	1111529	16.90%	1.241%
49	14.889	4074	4079	4087	rVV2	442368	740520	11.26%	0.827%
50	14.956	4091	4100	4116	rVB3	830199	1803020	27.41%	2.013%
51	15.046	4122	4128	4135	rBV2	127969	181033	2.75%	0.202%
52	15.095	4136	4143	4144	rBV	181291	199454	3.03%	0.223%
53	15.133	4145	4155	4166	rVB	3894267	6578479	100.00%	7.344%
54	15.191	4166	4173	4180	rBV	304798	418638	6.36%	0.467%
55	15.242	4181	4189	4201	rBV4	316302	782200	11.89%	0.873%
56	15.416	4232	4243	4255	rBV2	290413	579300	8.81%	0.647%
57	15.490	4257	4266	4276	rVV6	142076	275211	4.18%	0.307%
58	15.577	4279	4293	4297	rVV4	376419	770352	11.71%	0.860%
59	15.615	4299	4305	4321	rVB	773778	1355848	20.61%	1.514%
60	15.699	4323	4331	4342	rBV2	202390	379038	5.76%	0.423%
61	15.914	4384	4398	4416	rBV2	629353	1380085	20.98%	1.541%
62	16.101	4449	4456	4463	rBV2	144284	261057	3.97%	0.291%
63	16.162	4463	4475	4502	rVB	3028590	6435456	97.83%	7.185%
64	16.352	4520	4534	4550	rBV	2868236	6287482	95.58%	7.019%

Sum of corrected areas: 89572538

LSC Report - Integrated Chromatogram

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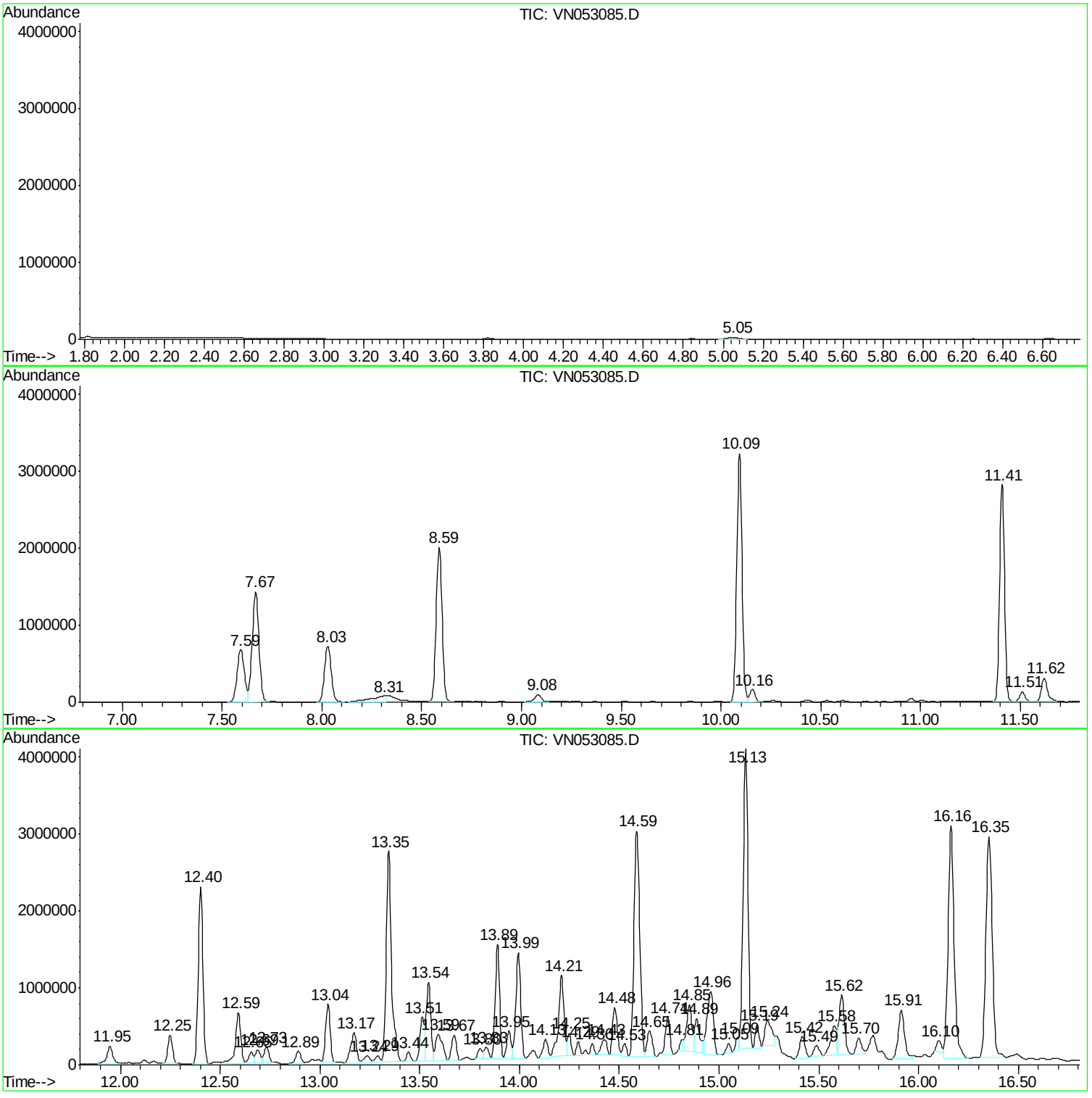
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 46 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053085.D
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Quant Title : SW846 8260

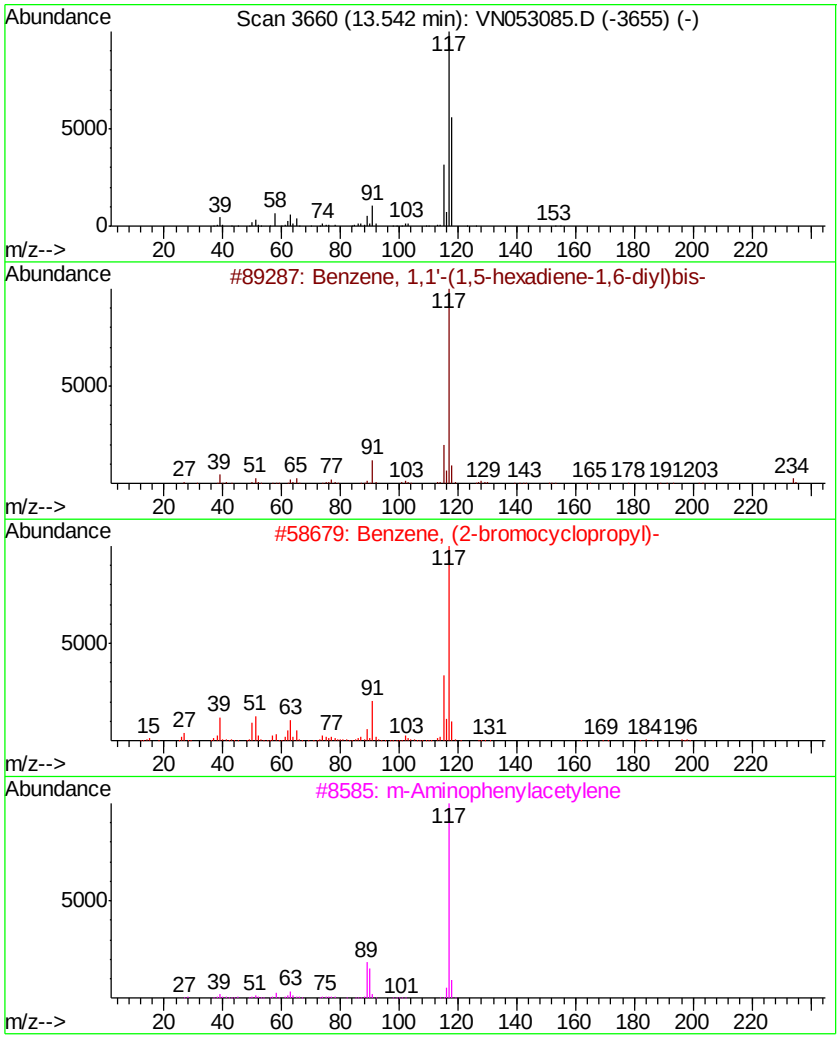
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

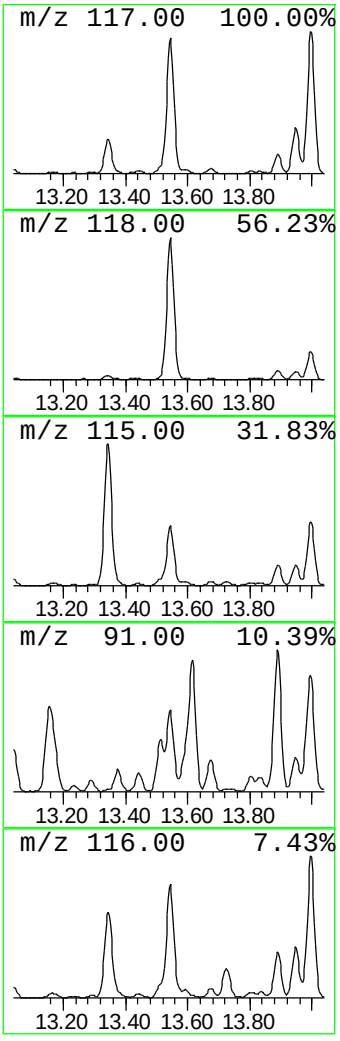
****

Peak Number 1 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	16.00 ug/l	1627670	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
2	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	45
3	m-Aminophenylacetylene	117	C8H7N	054060-30-9	43
4	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	42
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
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Operator : MD\SY
Sample : J6517-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 46 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-121918

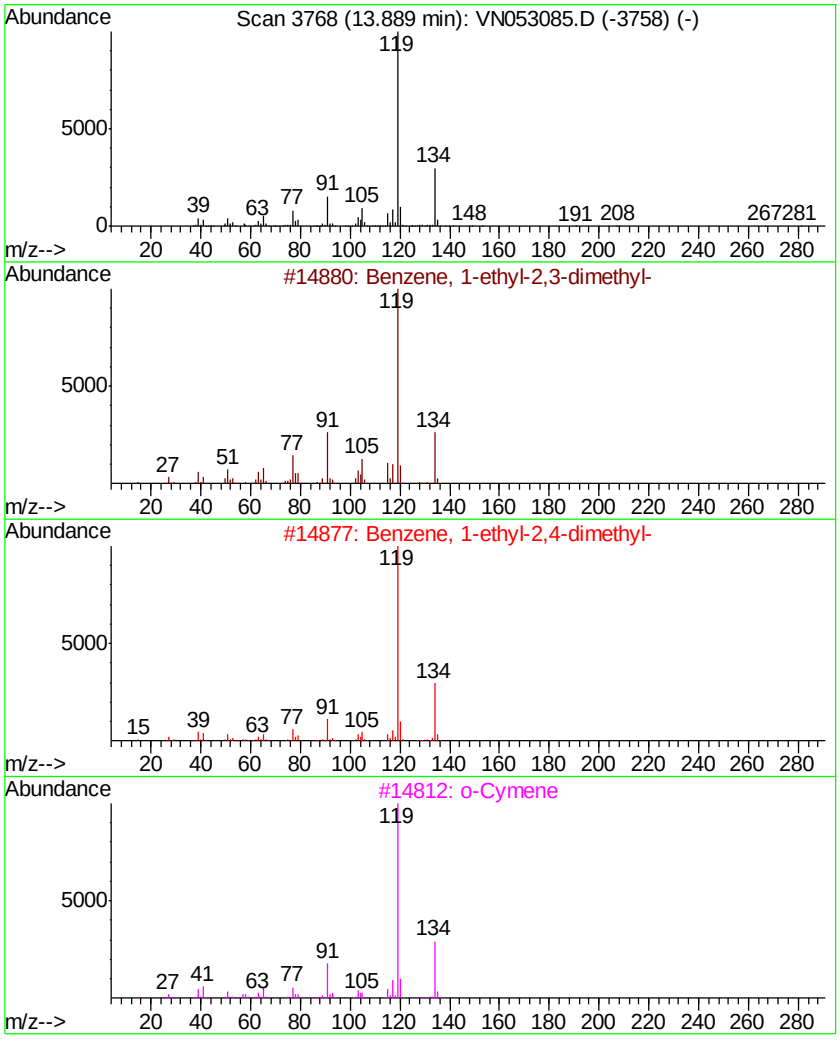
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

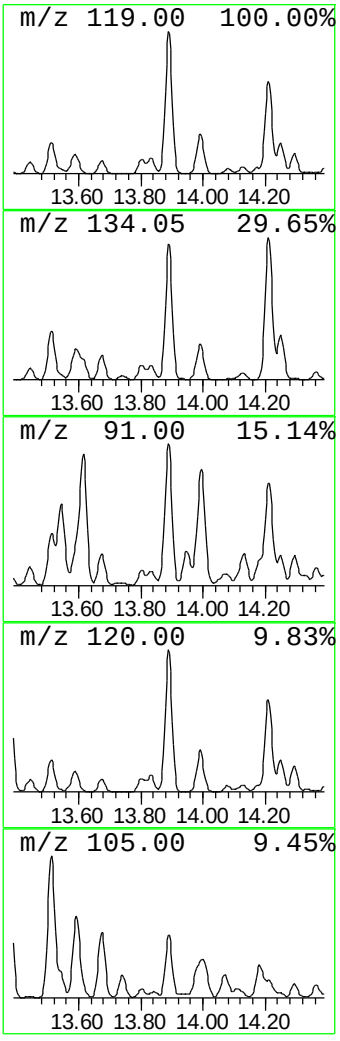
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	21.92 ug/l	2230090	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





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Sample : J6517-08
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ALS Vial : 46 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

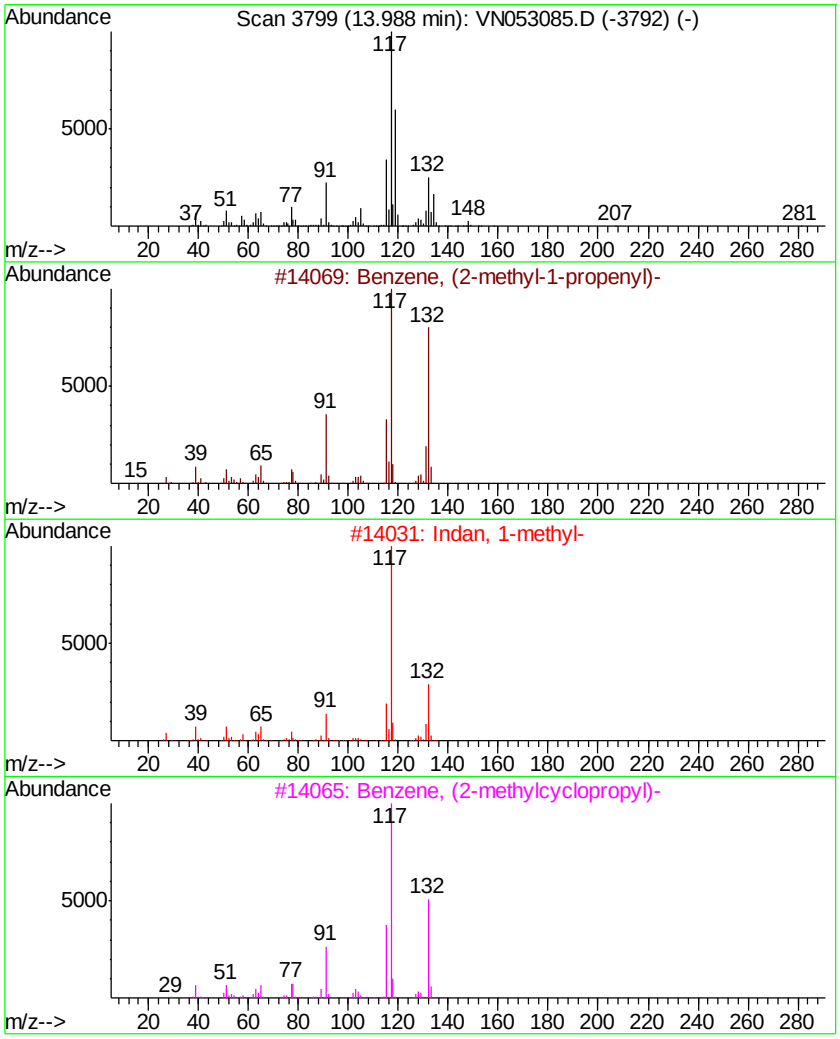
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

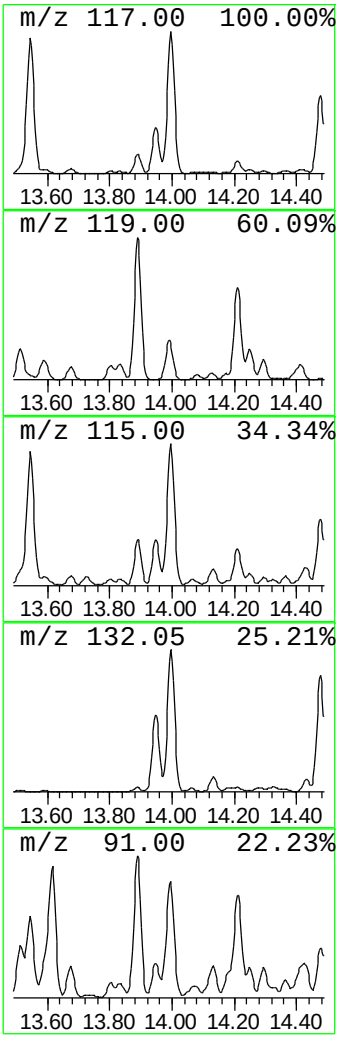
****

Peak Number 3 Benzene, (2-methyl-1-propen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	22.75 ug/l	2314760	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
2	Indan, 1-methyl-	132	C10H12	000767-58-8	70
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60





Library Search Compound Report

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ClientSampleId : T11-MW-9-9.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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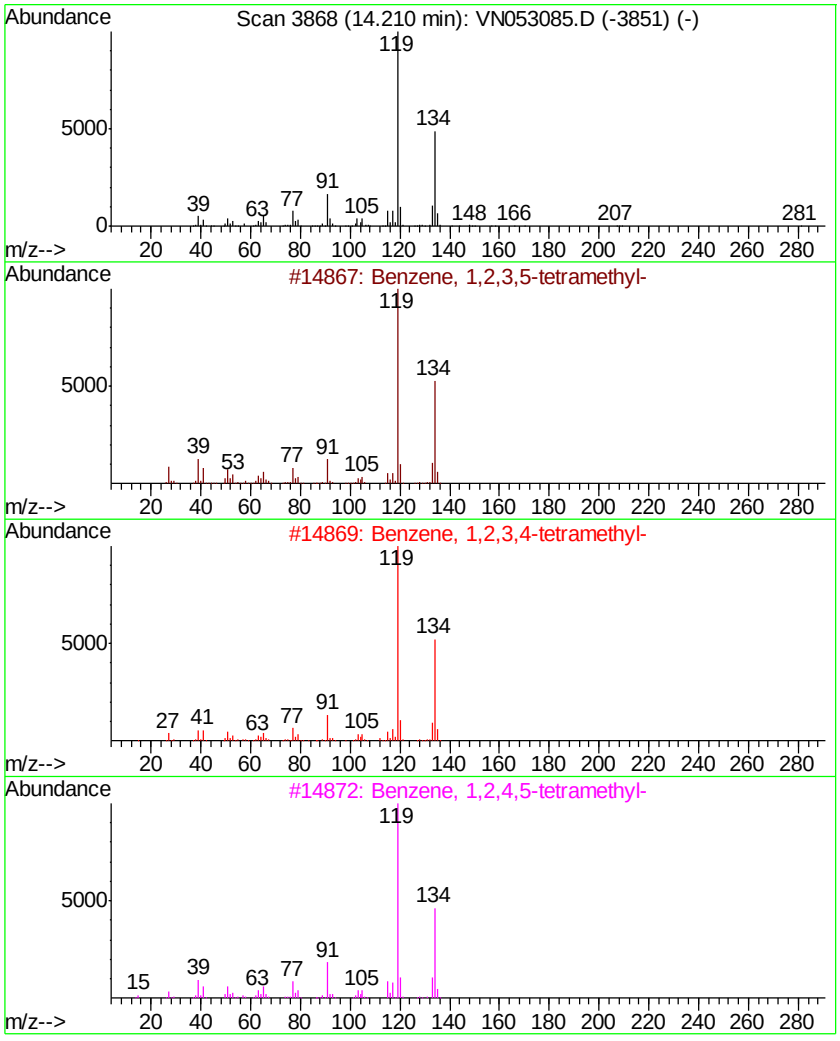
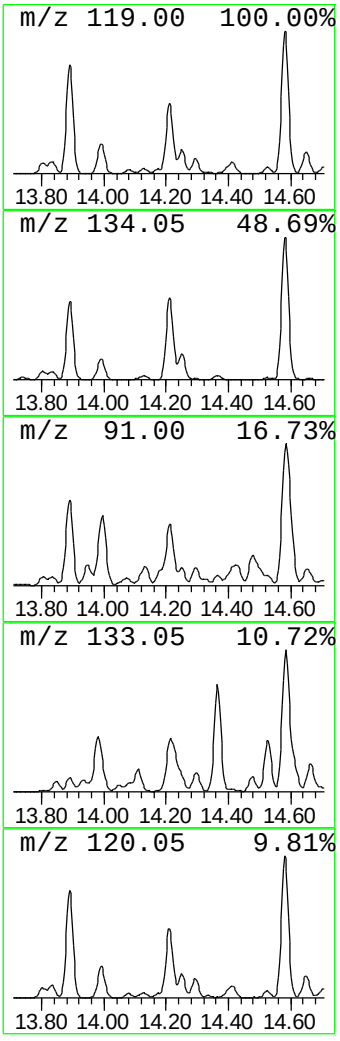
****

Peak Number 4 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	19.61 ug/l	1995010	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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ClientSampleId : T11-MW-9-9.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

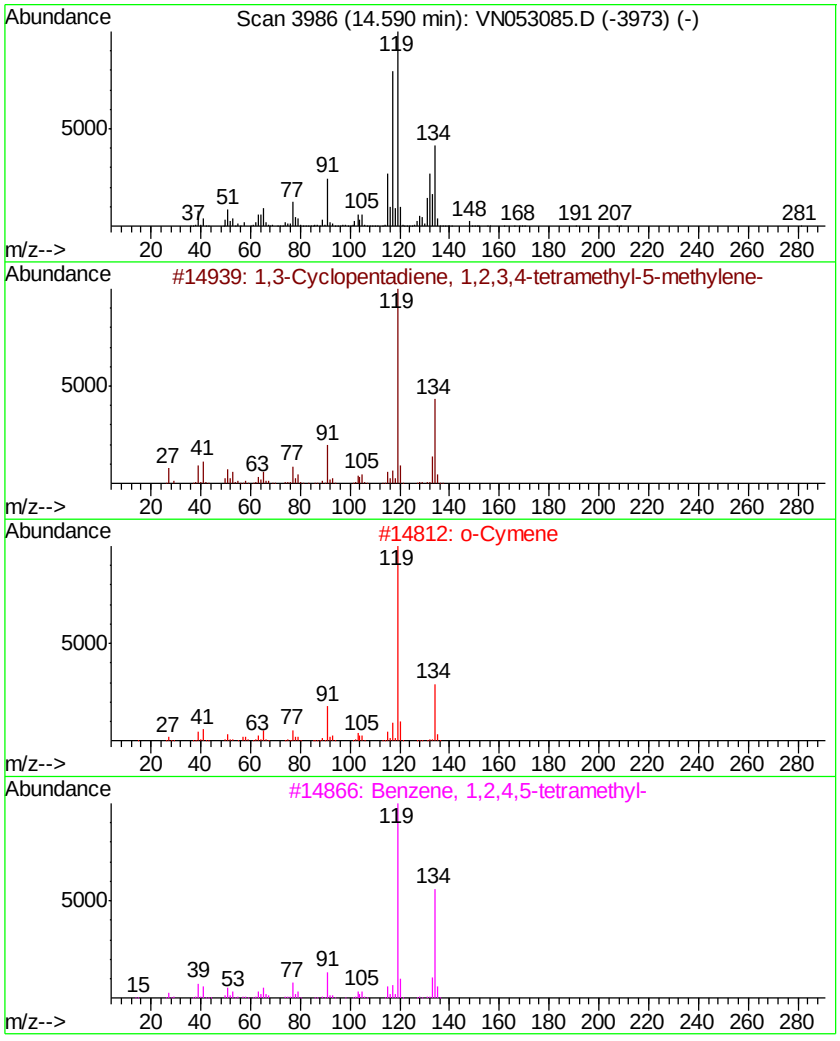
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

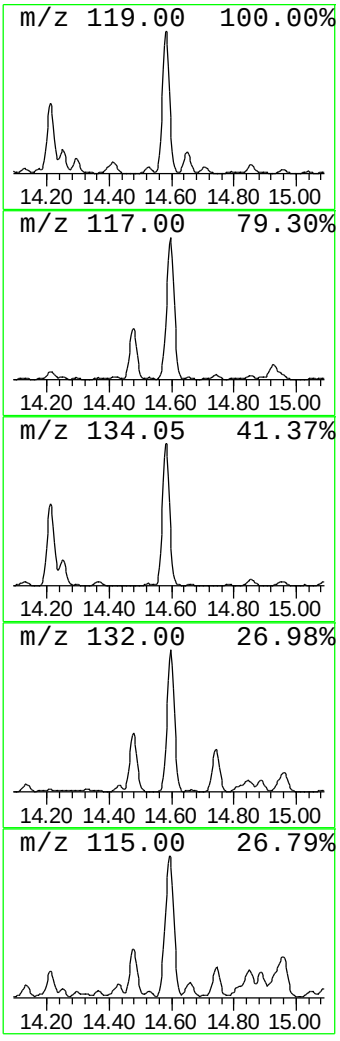
****

Peak Number 5 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	58.35 ug/l	5938070	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
2	o-Cymene	134	C10H14	000527-84-4	64
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
4	p-Cymene	134	C10H14	000099-87-6	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

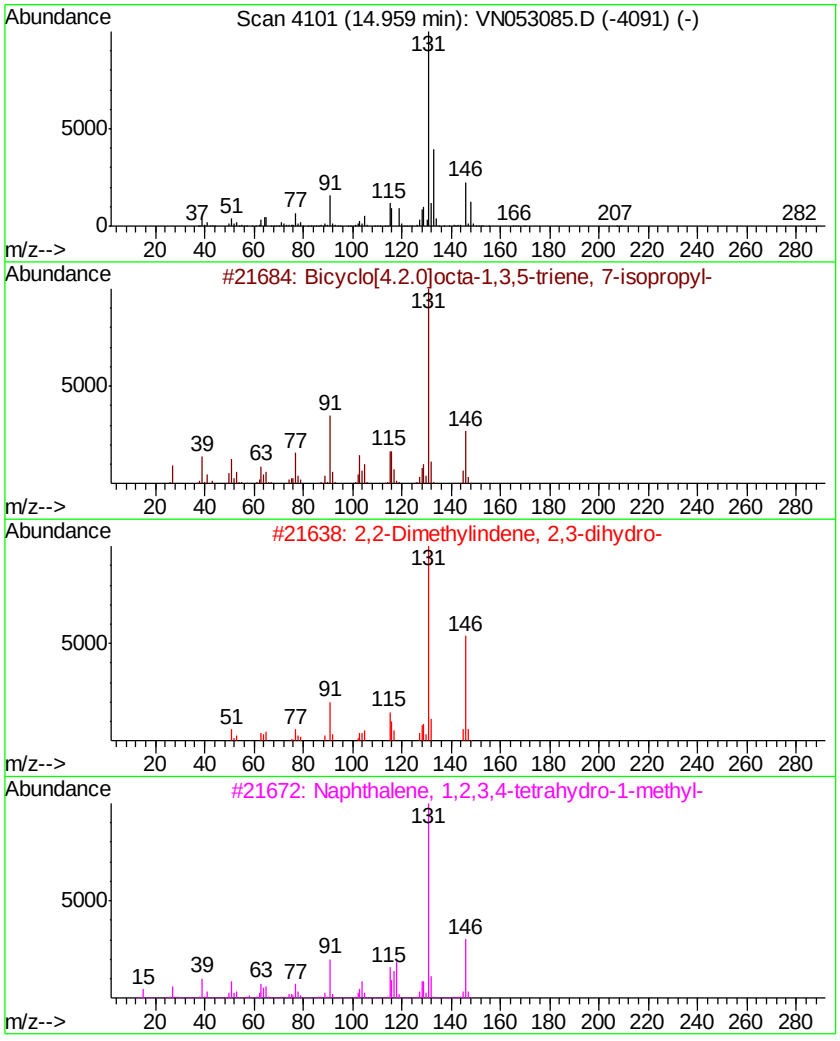
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

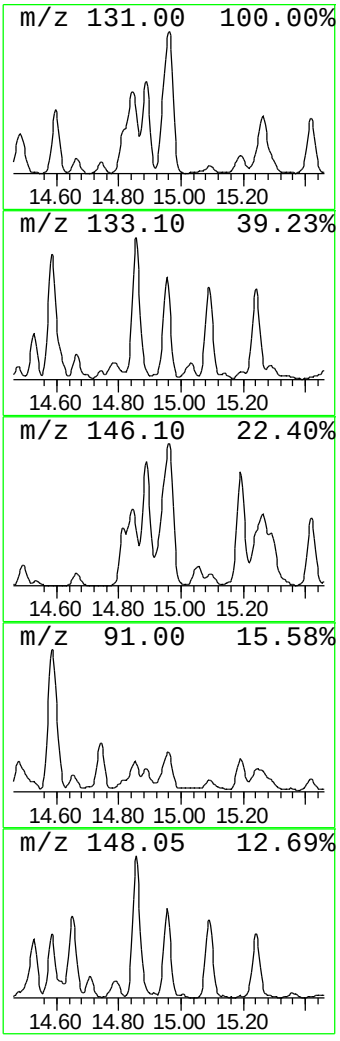
****

Peak Number 6 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	17.72 ug/l	1803020	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	83
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64





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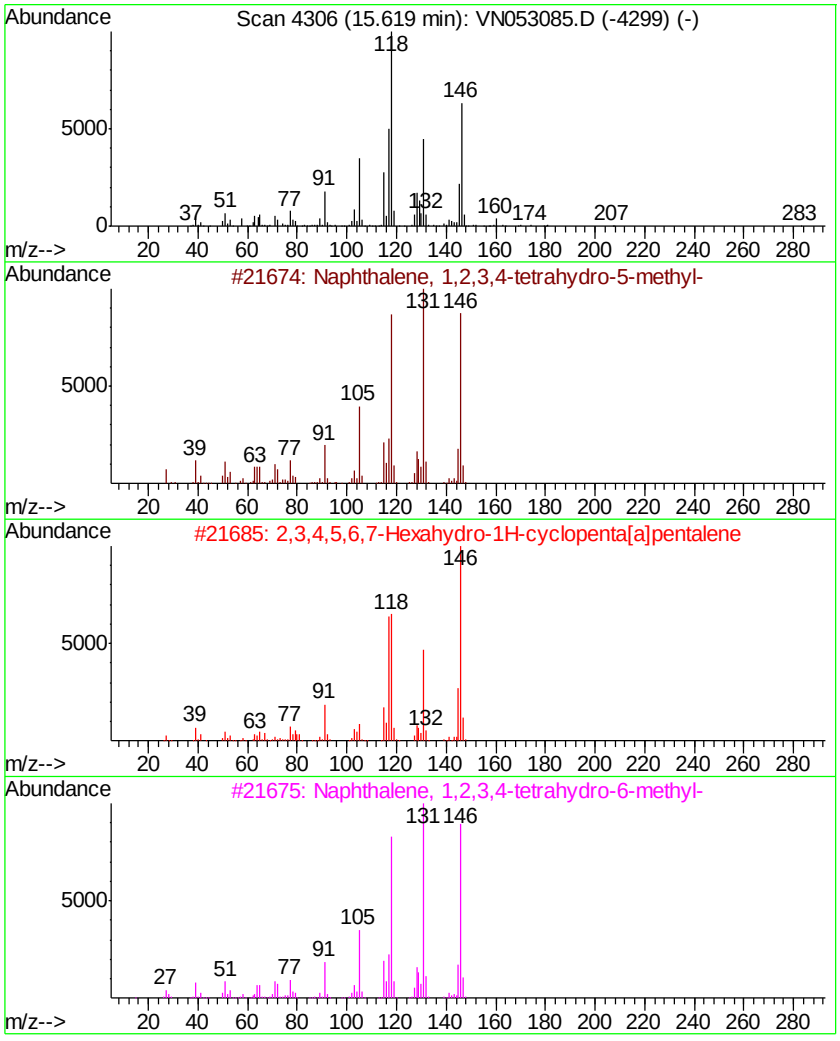
Quant Title : SW846 8260

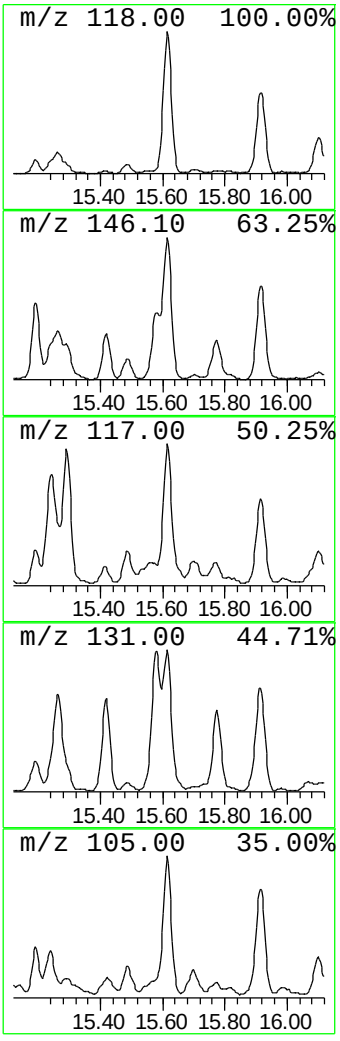
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	13.32 ug/l	1355850	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	55
2	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	53
4	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	45
5	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
Data File : VN053085.D
Acq On : 21 Dec 2018 4:49
Operator : MD\SY
Sample : J6517-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 46 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

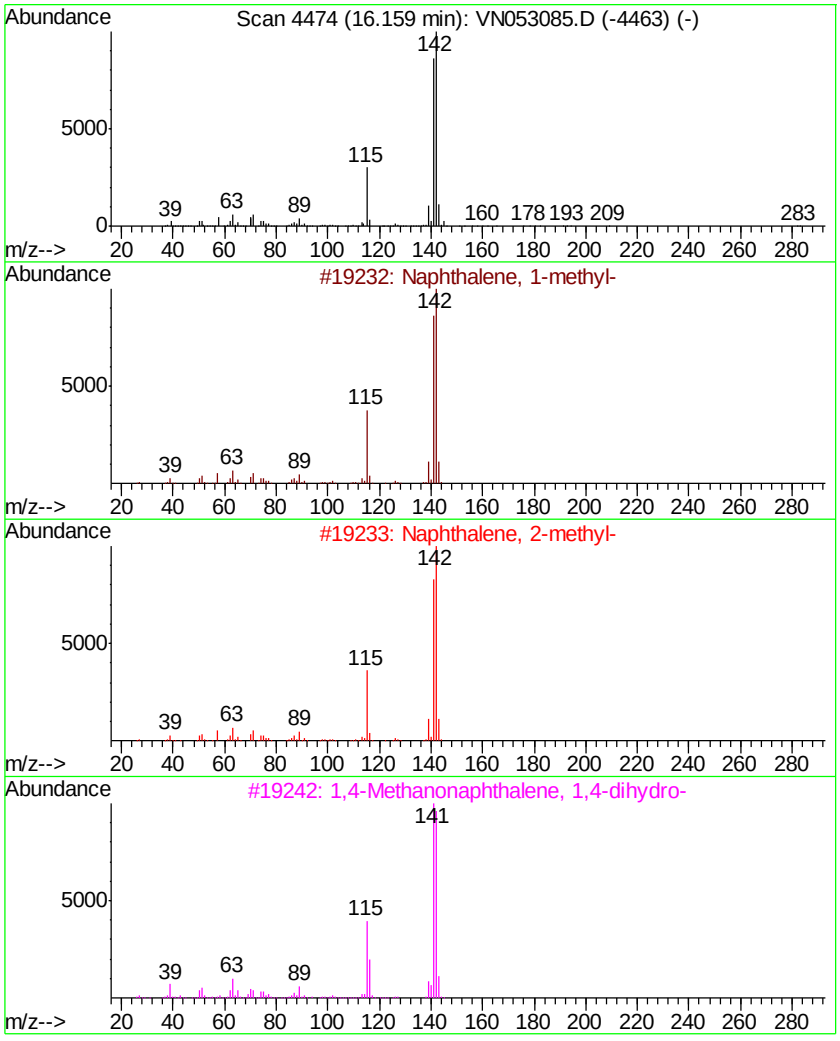
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

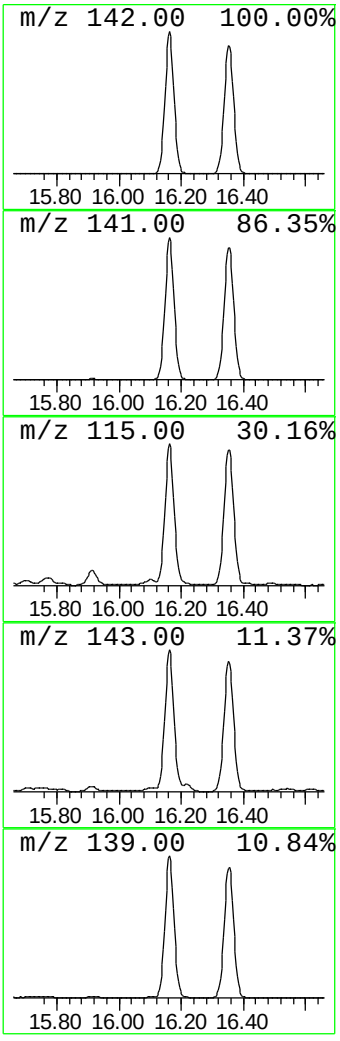
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	63.24 ug/l	6435460	1,4-Dichlorobenzene-d4	13.35

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053085.D
Acq On : 21 Dec 2018 4:49
Operator : MD\SY
Sample : J6517-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 46 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.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
Benzene, 1,1'-(1,...	13.54	16.0	ug/l	1627670	4	13.35	5087900	50.0
Benzene, 1-ethyl-...	13.89	21.9	ug/l	2230090	4	13.35	5087900	50.0
Benzene, (2-methy...	13.99	22.8	ug/l	2314760	4	13.35	5087900	50.0
Benzene, 1,2,3,5-...	14.21	19.6	ug/l	1995010	4	13.35	5087900	50.0
1,3-Cyclopentadie...	14.59	58.4	ug/l	5938070	4	13.35	5087900	50.0
Bicyclo[4.2.0]oct...	14.96	17.7	ug/l	1803020	4	13.35	5087900	50.0
Naphthalene, 1,2,...	15.62	13.3	ug/l	1355850	4	13.35	5087900	50.0
Naphthalene, 1-me...	16.16	63.2	ug/l	6435460	4	13.35	5087900	50.0