LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

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\82N112718W.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	3.815	617	635	690	rBV	1244109	3300917	4.74%	0.794%
2	6.834	1552	1574	1628	rBV	1098046	3241870	4.65%	0.780%
3	7.593	1792	1810	1819	rBV	749484	1922706	2.76%	0.463%
4	7.664	1820	1832	1850	rVB	1681585	4214122	6.05%	1.014%
5	8.040	1928	1949	1966	rBV3	3088485	7878648	11.31%	1.896%
6	8.439	2058	2073	2095	rVB3	545849	1267860	1.82%	0.305%
7	8.586	2103	2119	2158	rVB	2215779	4829598	6.93%	1.162%
8	9.040	2245	2260	2268	rBV	1276804	2654813	3.81%	0.639%
9	9.728	2462	2474	2483	rBV	436349	892033	1.28%	0.215%
10	9.869	2505	2518	2539	rVB3	282430	771694	1.11%	0.186%
11	9.985	2540	2554	2573	rBV	560940	1174707	1.69%	0.283%
12	10.091	2573	2587	2596	rBV	3636412	7015737	10.07%	1.688%
13	10.156	2596	2607	2631	rVB	22009098	40166365	57.66%	9.666%
14	10.287	2632	2648	2663	rVB5	897265	2340964	3.36%	0.563%
15	10.381	2664	2677	2684	rBV	456300	931619	1.34%	0.224%
16	10.641	2739	2758	2769	rVB	567588	1225143	1.76%	0.295%
17	10.754	2774	2793	2802	rBV	1279432	2632492	3.78%	0.634%
18	10.850	2817	2823	2838	rVB2	482907	950137	1.36%	0.229%
19	11.201	2923	2932	2940	rBV3	520857	874522	1.26%	0.210%
20	11.300	2954	2963	2981	rVB5	775543	1904210	2.73%	0.458%
21	11.406	2982	2996	3007	rBV	3287798	6168413	8.85%	1.484%
22	11.512	3017	3029	3047	rVV2	5872526	11420047	16.39%	2.748%
23	11.619	3048	3062	3085	rVB2	35612026	69665217	100.00%	16.765%
24	11.946	3152	3164	3180	rVB	21775500	36017942	51.70%	8.668%
25	12.030	3181	3190	3204	rBV3	1655724	3183064	4.57%	0.766%
26	12.249	3252	3258	3266	rVB	493357	703875	1.01%	0.169%
27	12.403	3298	3306	3315	rBV	2447656	3987326	5.72%	0.960%
28	12.493	3326	3334	3345	rBV9	478228	1312766	1.88%	0.316%
29	12.593	3359	3365	3372	rVB	957602	1198540	1.72%	0.288%
30	12.657	3374	3385	3391	rBV	12038249	19704628	28.28%	4.742%
31	12.731	3401	3408	3419	rVB2	8849086	13940492	20.01%	3.355%
32	12.786	3419	3425	3434	rVB4	779710	1187783	1.70%	0.286%
33	12.892	3449	3458	3473	rVB	5040380	8502511	12.20%	2.046%
34	13.040	3492	3504	3515	rBV2	27668473	43450675	62.37%	10.456%

LSC Area Percent Report

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Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

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\82N112718W.M
Title : SW846 8260

35	13.091	3515	3520	3530	rVB3	1032803	1420338	2.04%	0.342%
36	13.348	3590	3600	3601	rBV	2884391	3761271	5.40%	0.905%
37	13.374	3602	3608	3619	rVB	7724877	12472834	17.90%	3.002%
38	13.544	3644	3661	3667	rBV2	6530805	12705861	18.24%	3.058%
39	13.583	3668	3673	3691	rVB2	4626852	7783519	11.17%	1.873%
40	13.673	3695	3701	3708	rBV	2087727	2848050	4.09%	0.685%
41	13.805	3734	3742	3747	rBV	2446569	4082608	5.86%	0.982%
42	13.889	3760	3768	3778	rBV	4112861	6257547	8.98%	1.506%
43	13.995	3794	3801	3810	rBV2	1973954	3152593	4.53%	0.759%
44	14.130	3837	3843	3851	rBV3	859642	1138231	1.63%	0.274%
45	14.210	3862	3868	3874	rBV	1793364	2748213	3.94%	0.661%
46	14.249	3875	3880	3888	rVV	3131631	4381955	6.29%	1.055%
47	14.297	3889	3895	3902	rVV2	1264460	1671909	2.40%	0.402%
48	14.335	3903	3907	3919	rVB	821775	1072380	1.54%	0.258%
49	14.435	3932	3938	3943	rBV2	584159	839499	1.21%	0.202%
50	14.477	3944	3951	3959	rVV	2116916	3731543	5.36%	0.898%
51	14.525	3960	3966	3975	rVV	2935294	4230612	6.07%	1.018%
52	14.593	3976	3987	3997	rVV4	3689240	7641506	10.97%	1.839%
53	14.647	3997	4004	4017	rVB5	1403629	2761067	3.96%	0.664%
54	14.853	4060	4068	4089	rVB4	1421216	3496540	5.02%	0.841%
55	14.959	4092	4101	4111	rVV2	766083	1519744	2.18%	0.366%
56	15.136	4143	4156	4176	rVB	5112044	9789387	14.05%	2.356%
57	15.236	4178	4187	4198	rVV4	619164	1201212	1.72%	0.289%
58	15.332	4211	4217	4232	rVB3	688537	1177669	1.69%	0.283%
59	16.162	4464	4475	4491	rVB	982089	1941044	2.79%	0.467%
60	16.355	4524	4535	4558	rVB2	452120	1080810	1.55%	0.260%

Sum of corrected areas: 415541378

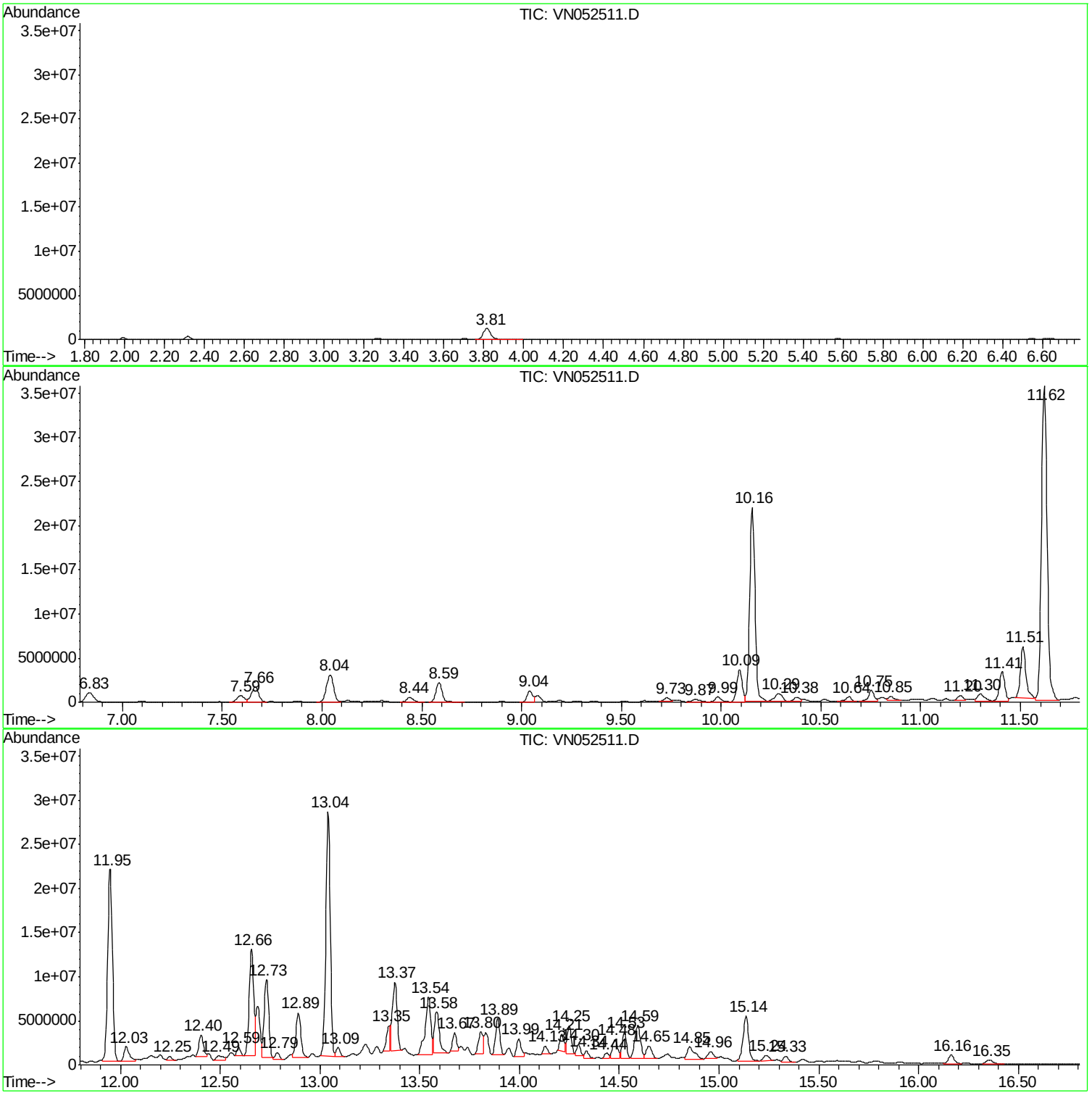
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

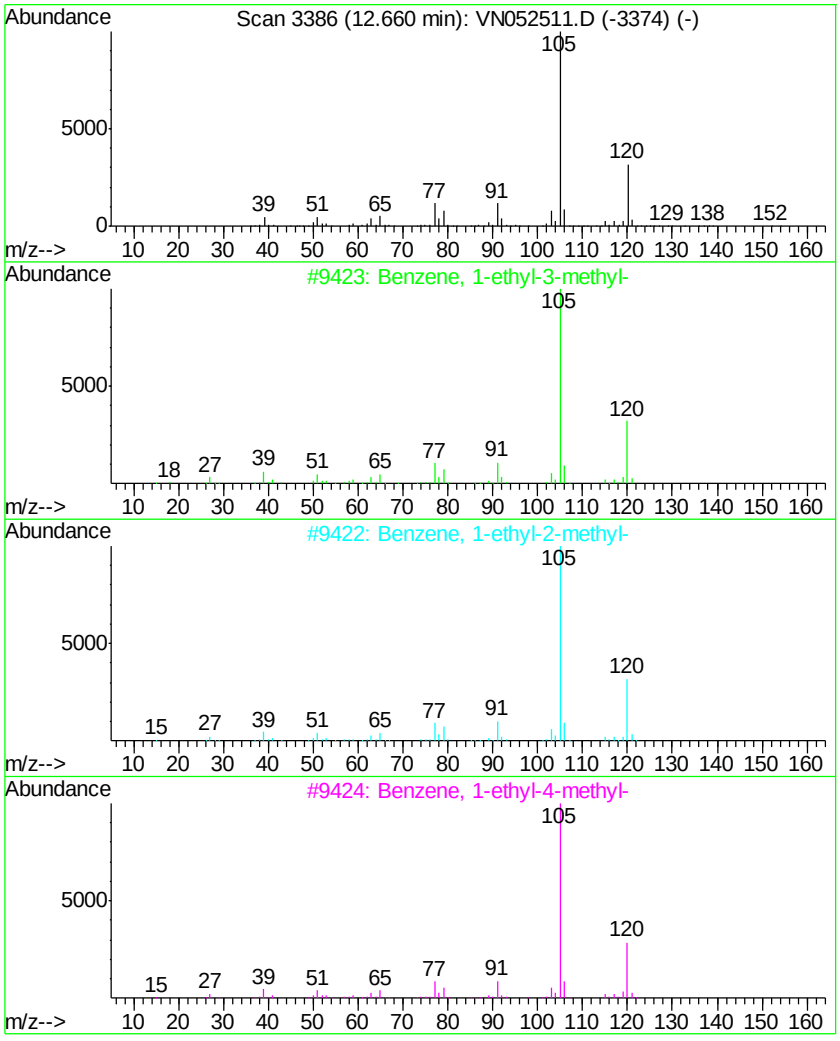
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

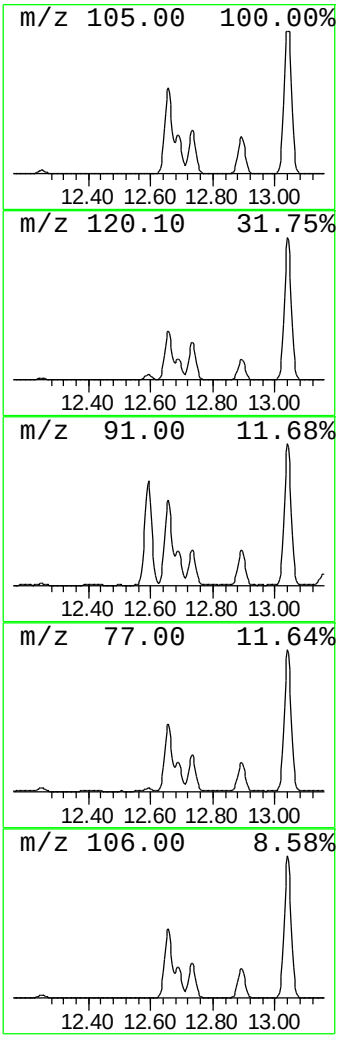
****

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	261.94 ug/l	19704600	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

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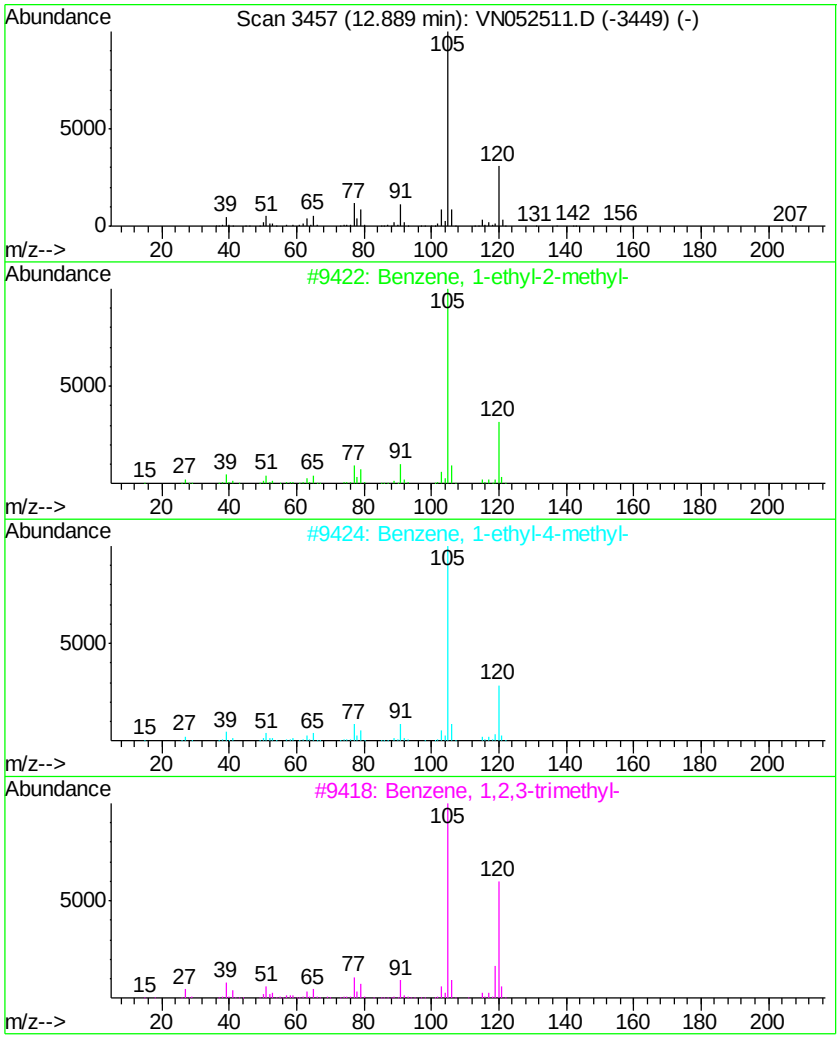
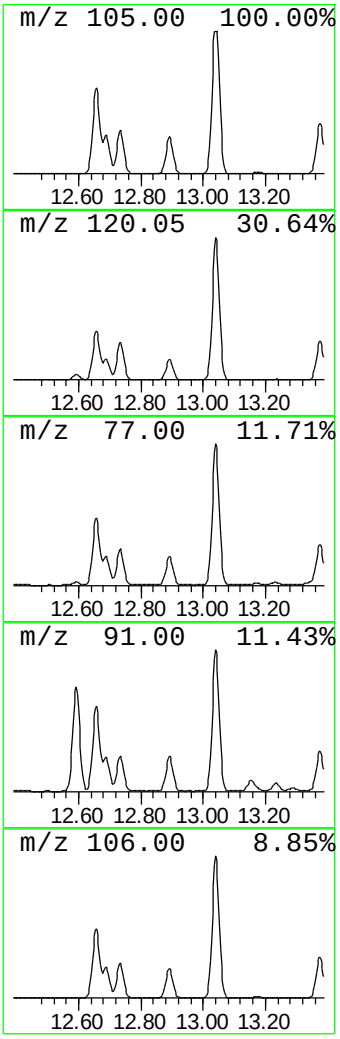
Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	113.03 ug/l	8502510	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

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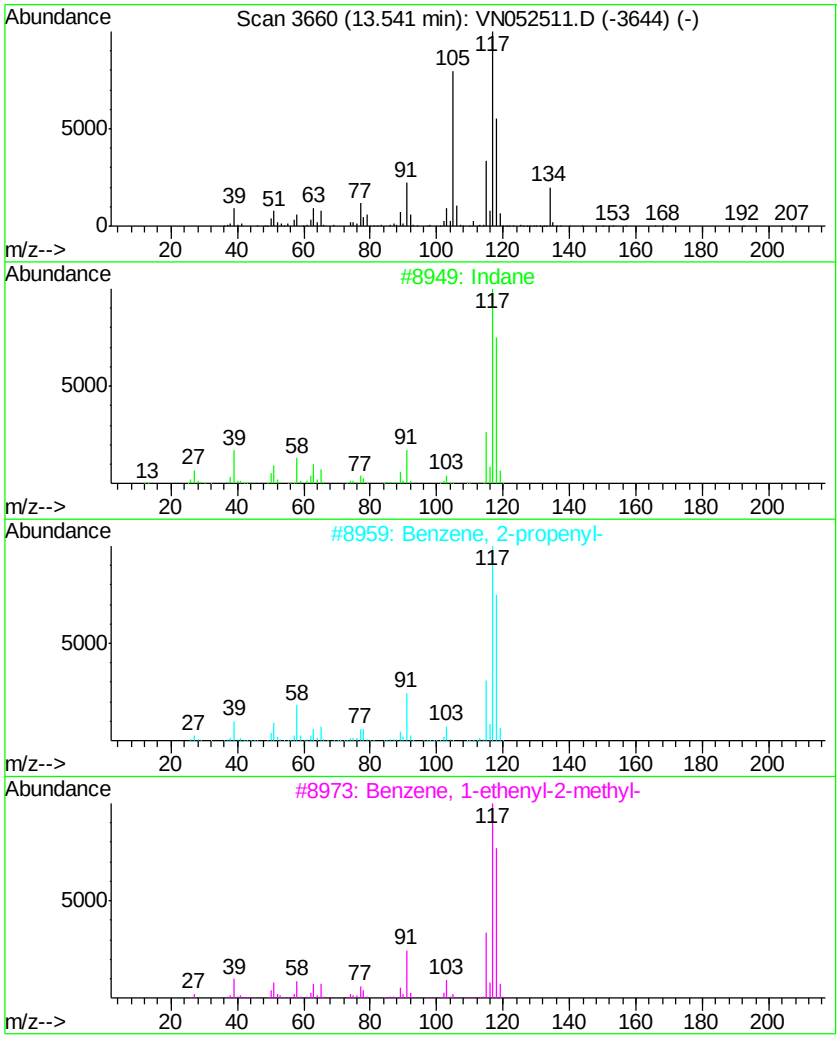
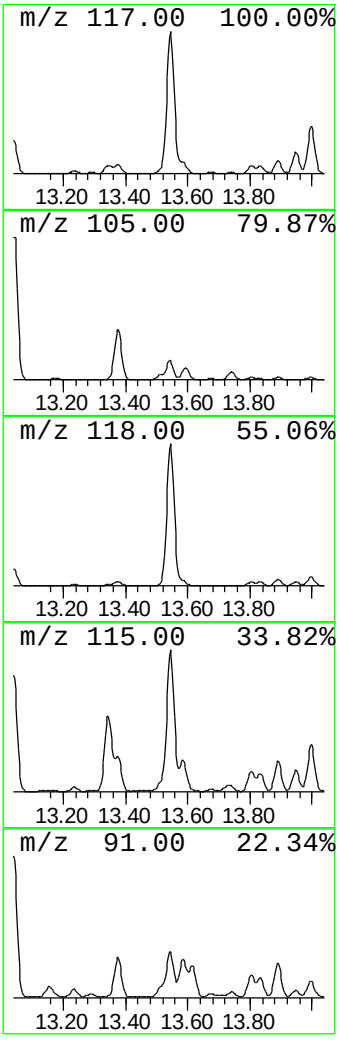
Peak Number 3 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	168.90 ug/l	12705900	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	64
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

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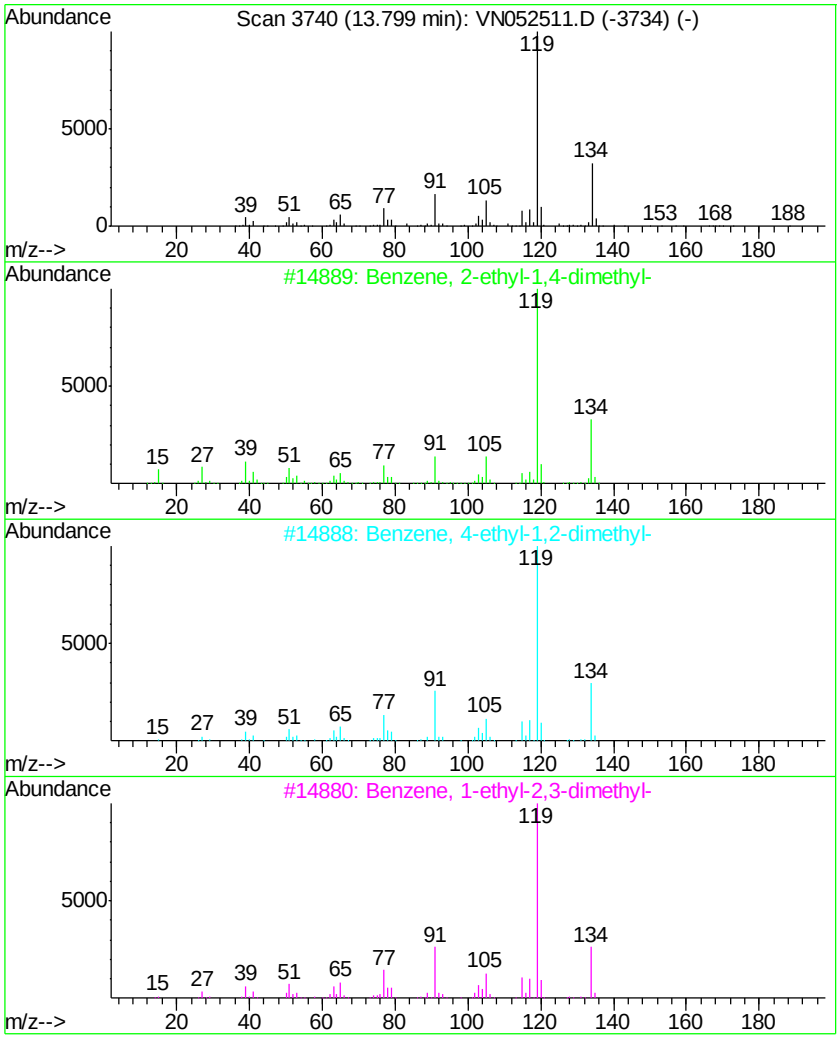
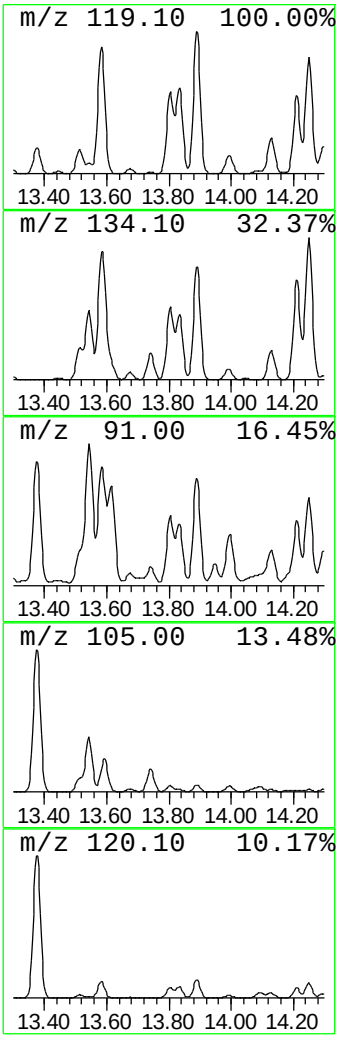
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	54.27 ug/l	4082610	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

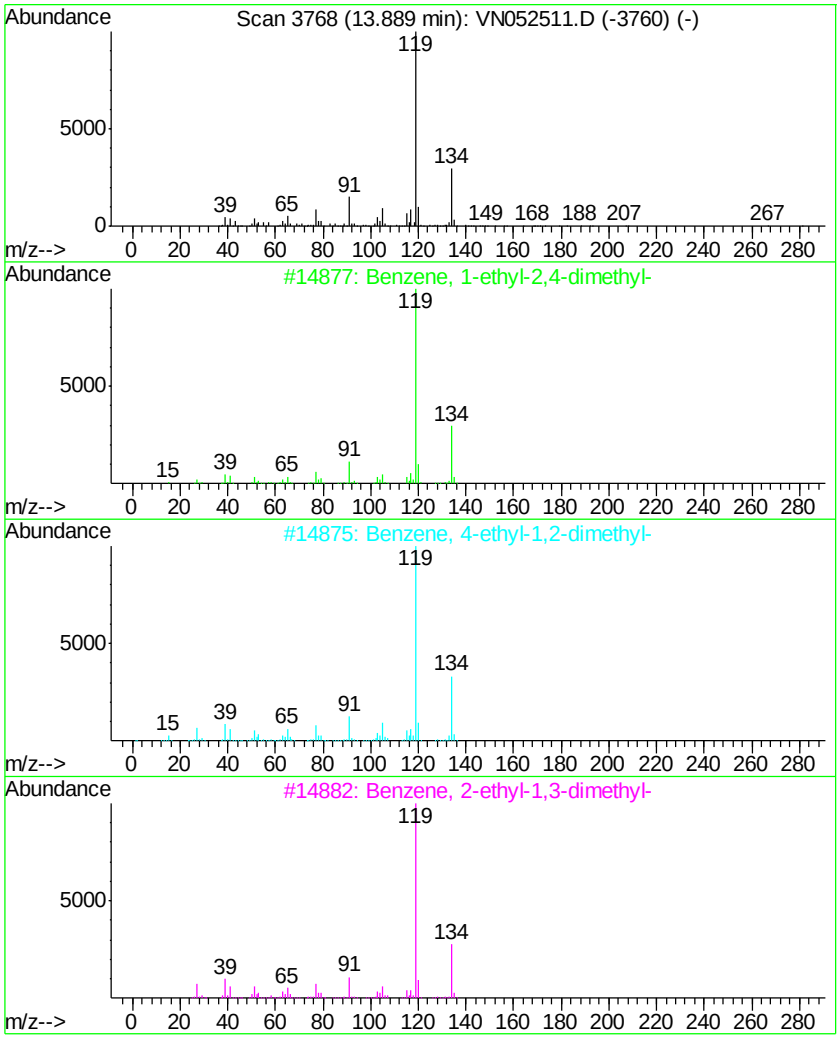
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

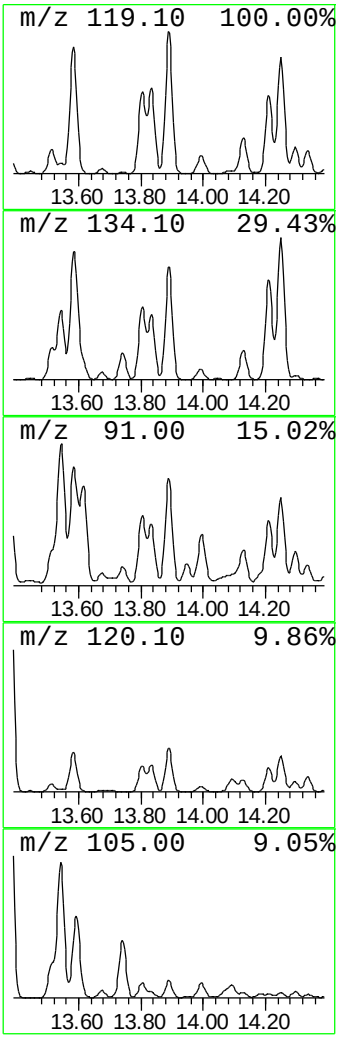
****

Peak Number 5 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	83.18 ug/l	6257550	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

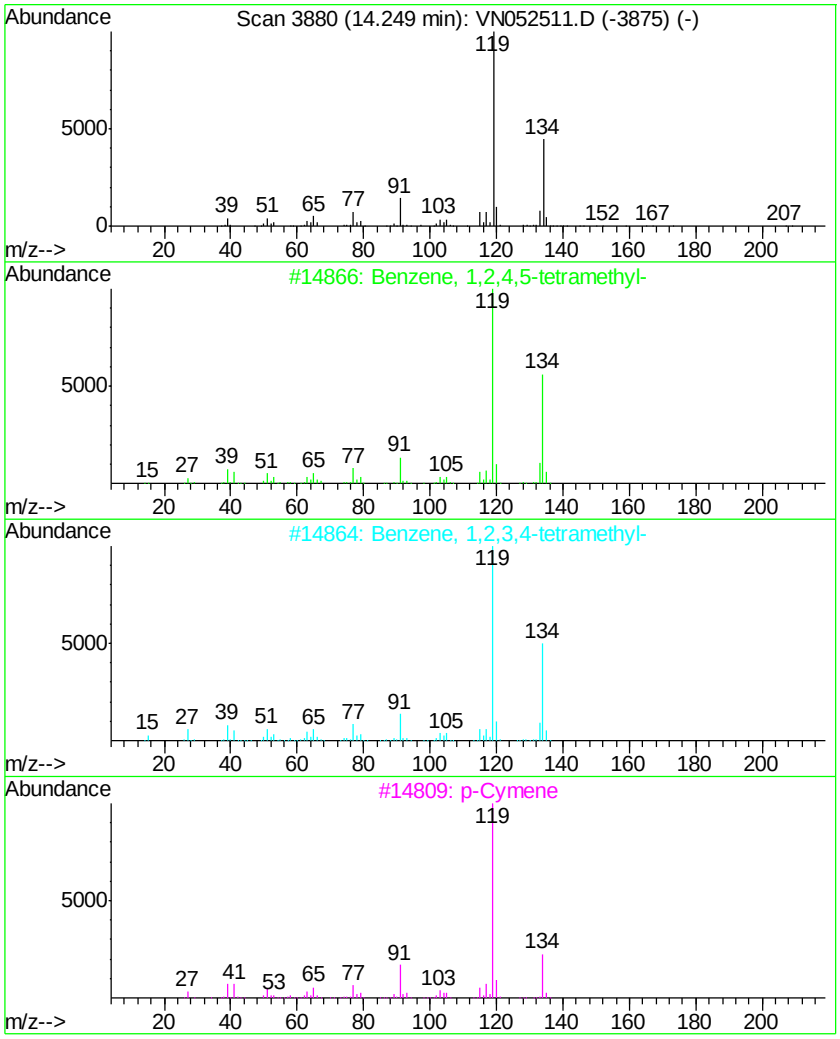
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

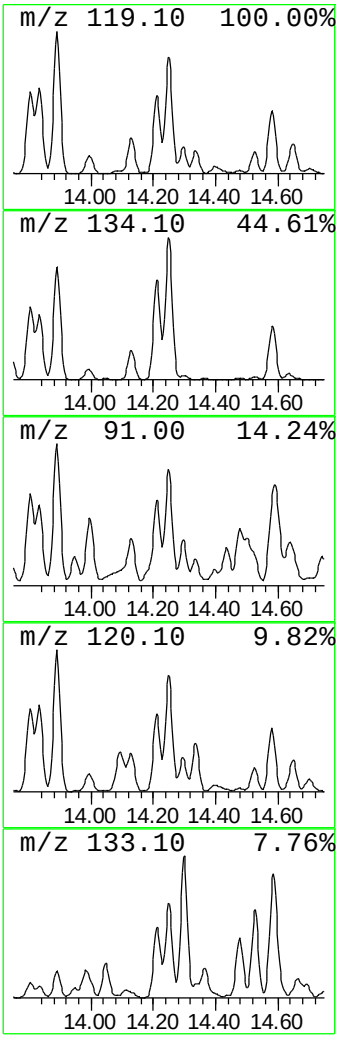
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	58.25 ug/l	4381960	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

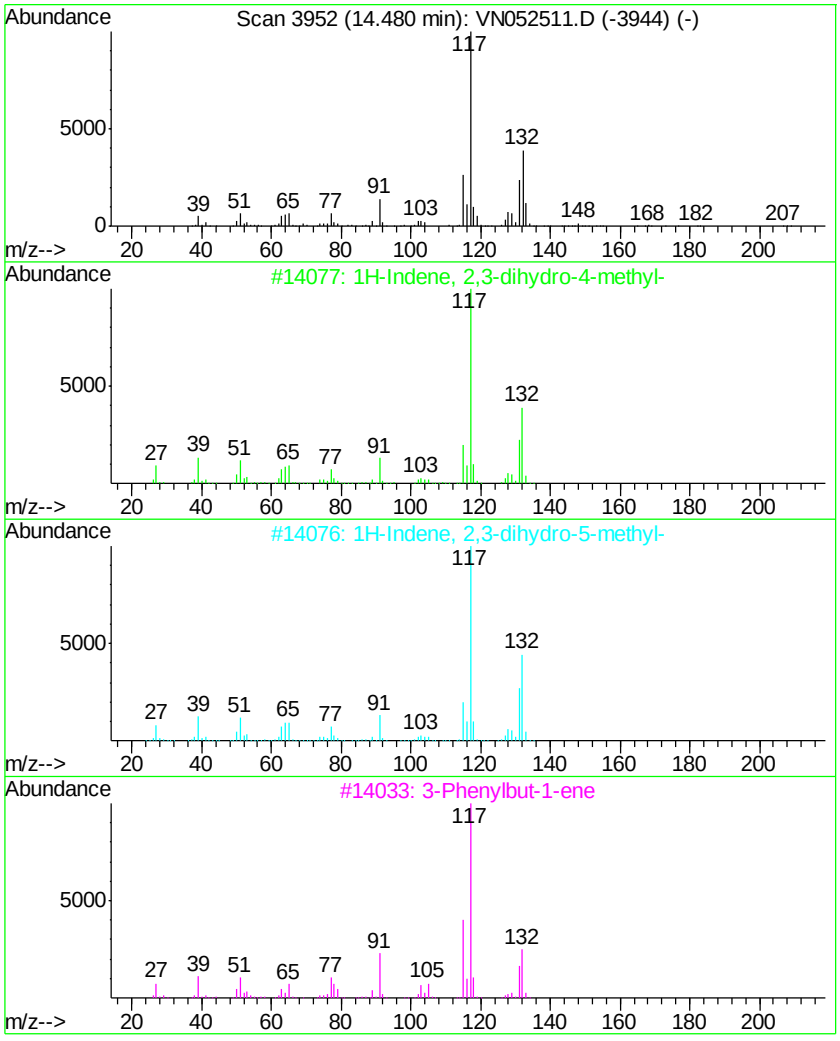
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

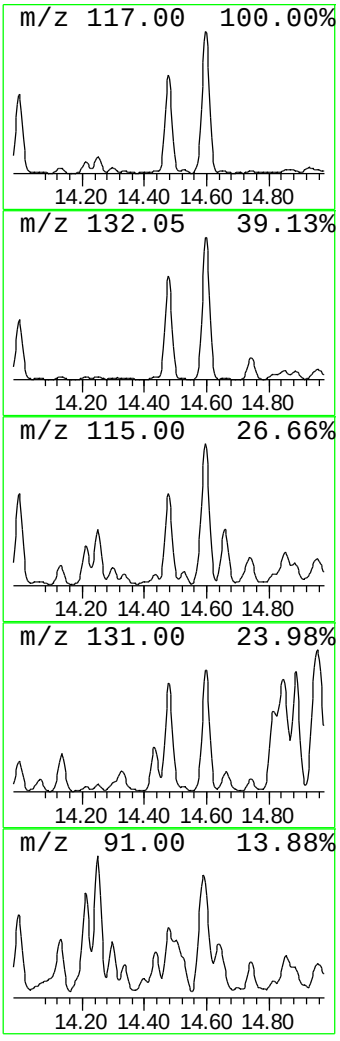
****

Peak Number 7 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	49.60 ug/l	3731540	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

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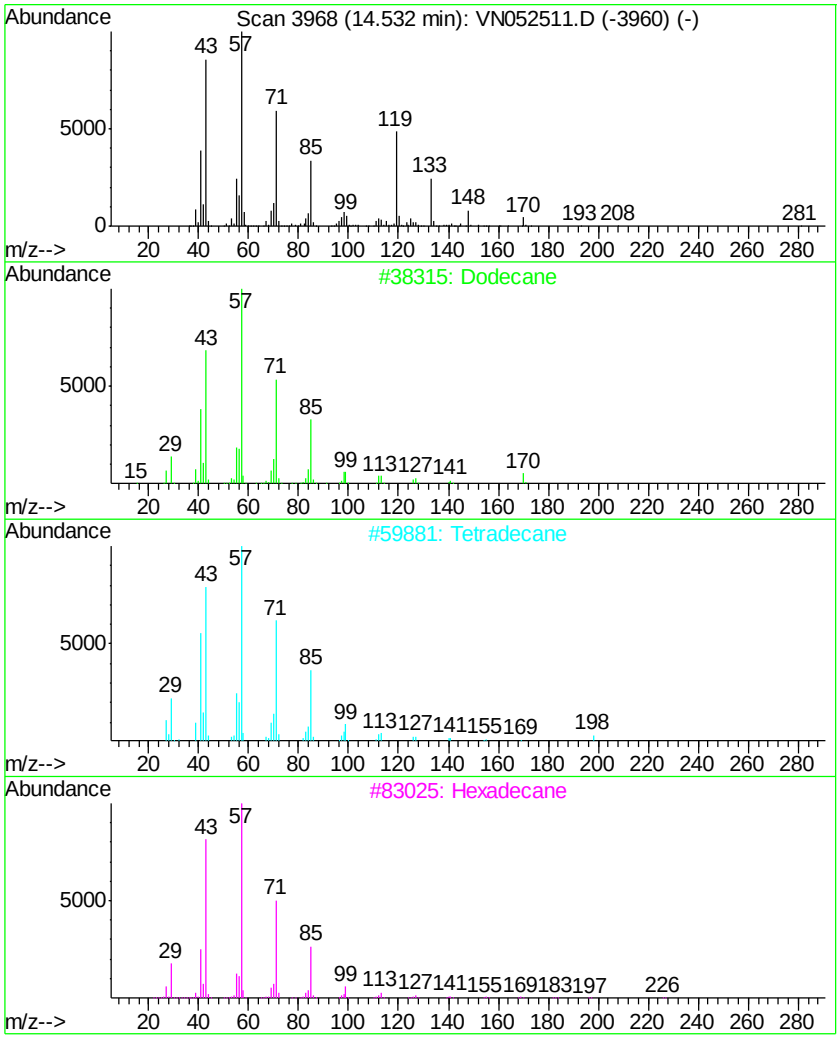
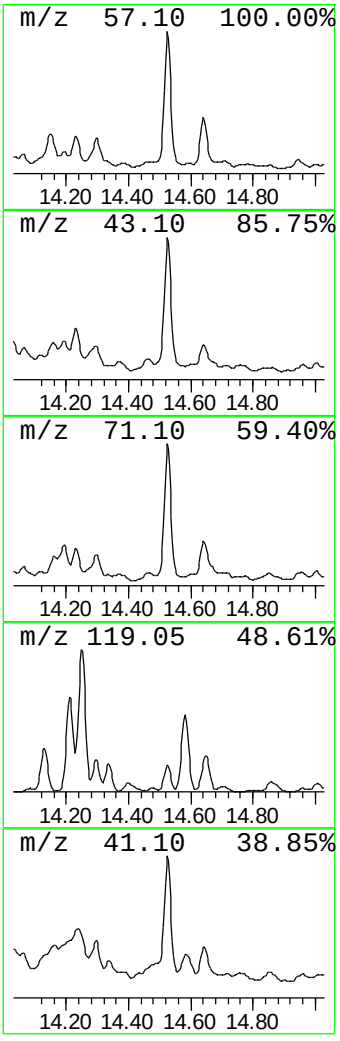
Peak Number 8 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	56.24 ug/l	4230610	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	95
2	Tetradecane	198	C14H30	000629-59-4	46
3	Hexadecane	226	C16H34	000544-76-3	43
4	Tridecane	184	C13H28	000629-50-5	43
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

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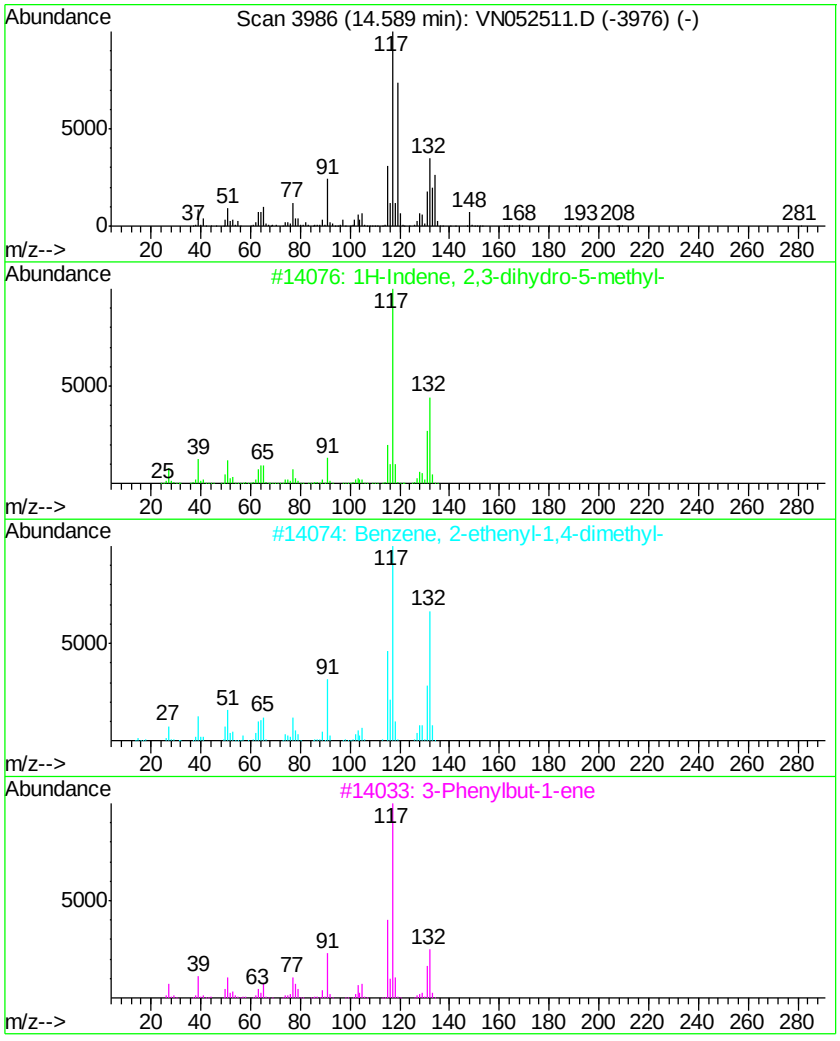
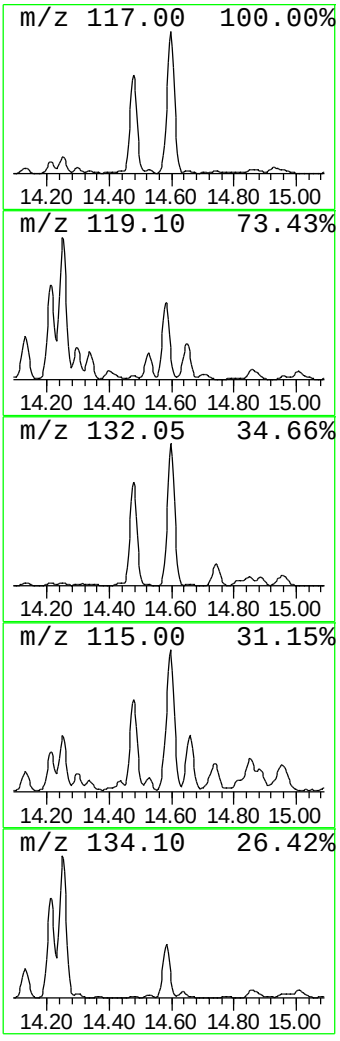
Peak Number 9 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	101.58 ug/l	7641510	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

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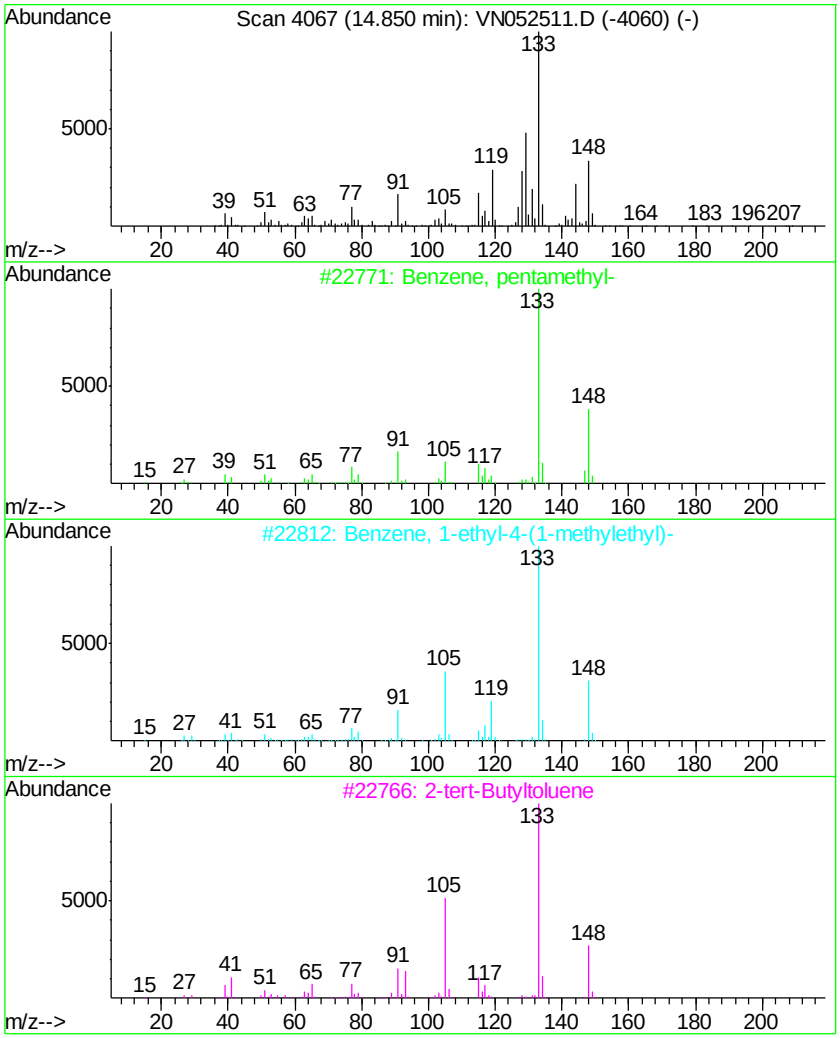
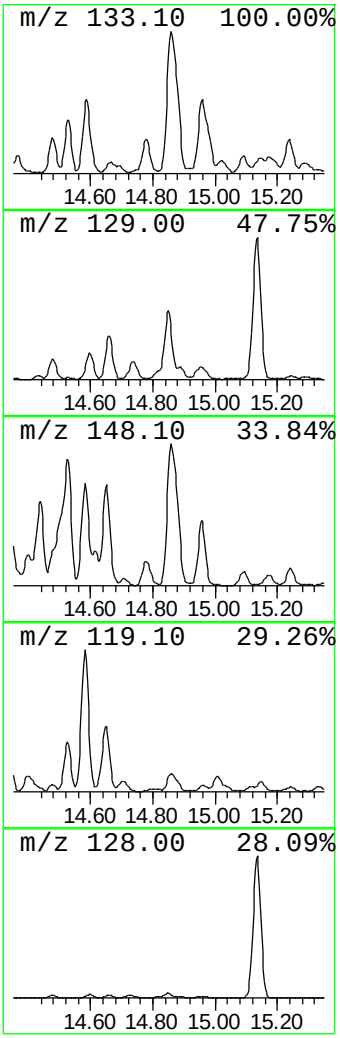
Peak Number 10 Benzene, pentamethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	46.48 ug/l	3496540	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	55
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
3	2-tert-Butyltoluene	148	C11H16	001074-92-6	50
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	50
5	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052511.D
Acq On : 28 Nov 2018 11:24
Operator : MD\SY
Sample : J6064-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.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-ethyl-...	12.66	261.9	ug/l	19704600	4	13.35	3761270	50.0
Benzene, 1-ethyl-...	12.89	113.0	ug/l	8502510	4	13.35	3761270	50.0
Indane	13.54	168.9	ug/l	12705900	4	13.35	3761270	50.0
Benzene, 2-ethyl-...	13.80	54.3	ug/l	4082610	4	13.35	3761270	50.0
Benzene, 1-ethyl-...	13.89	83.2	ug/l	6257550	4	13.35	3761270	50.0
Benzene, 1,2,4,5-...	14.25	58.3	ug/l	4381960	4	13.35	3761270	50.0
1H-Indene, 2,3-di...	14.48	49.6	ug/l	3731540	4	13.35	3761270	50.0
Dodecane	14.53	56.2	ug/l	4230610	4	13.35	3761270	50.0
1H-Indene, 2,3-di...	14.59	101.6	ug/l	7641510	4	13.35	3761270	50.0
Benzene, pentamet...	14.85	46.5	ug/l	3496540	4	13.35	3761270	50.0