LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050299.D
Acq On : 3 Aug 2018 6:41
Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

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\82N072418W.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	1.661	10	22	47	rBV	1109592	1689202	42.05%	5.457%
2	1.995	116	126	141	rBV2	45494	105635	2.63%	0.341%
3	4.075	751	773	791	rBV3	28723	92742	2.31%	0.300%
4	7.593	1847	1867	1878	rBV	559925	1394695	34.72%	4.505%
5	7.667	1879	1890	1914	rVB	815079	1920222	47.80%	6.203%
6	8.030	1983	2003	2032	rBV	552531	1317649	32.80%	4.256%
7	8.281	2038	2081	2136	rBV3	175458	1843118	45.88%	5.954%
8	8.587	2160	2176	2206	rBV	1208903	2568247	63.93%	8.296%
9	10.091	2628	2644	2685	rBV	2167404	4017178	100.00%	12.976%
10	10.259	2685	2696	2719	rVV3	20310	49329	1.23%	0.159%
11	10.432	2737	2750	2764	rVB3	54384	99722	2.48%	0.322%
12	11.008	2918	2929	2938	rBV2	49103	90437	2.25%	0.292%
13	11.213	2984	2993	3008	rBV4	24279	51512	1.28%	0.166%
14	11.410	3039	3054	3073	rBV	1567161	2770570	68.97%	8.950%
15	11.496	3074	3081	3089	rVV	33025	58630	1.46%	0.189%
16	11.657	3119	3131	3152	rVB	36478	111685	2.78%	0.361%
17	11.815	3172	3180	3189	rBV4	30060	50991	1.27%	0.165%
18	11.921	3201	3213	3222	rBV2	48043	106589	2.65%	0.344%
19	11.972	3224	3229	3238	rVB2	26752	41294	1.03%	0.133%
20	12.120	3268	3275	3289	rVB4	66026	119253	2.97%	0.385%
21	12.201	3292	3300	3309	rBV6	25484	47955	1.19%	0.155%
22	12.342	3329	3344	3351	rBV9	21901	46457	1.16%	0.150%
23	12.403	3351	3363	3376	rBV	1332787	2291498	57.04%	7.402%
24	12.477	3377	3386	3397	rBV5	48591	101489	2.53%	0.328%
25	12.564	3407	3413	3429	rVB6	90600	180166	4.48%	0.582%
26	12.731	3458	3465	3478	rVB10	39486	80172	2.00%	0.259%
27	12.963	3523	3537	3542	rBV3	58872	114748	2.86%	0.371%
28	13.156	3589	3597	3609	rBV2	96702	187878	4.68%	0.607%
29	13.345	3641	3656	3671	rBV	1360413	2299408	57.24%	7.428%
30	13.445	3680	3687	3700	rVB	78288	121617	3.03%	0.393%
31	13.512	3700	3708	3715	rBV	84555	128700	3.20%	0.416%
32	13.596	3726	3734	3744	rVB3	37784	61632	1.53%	0.199%
33	13.673	3745	3758	3769	rBV3	237737	436121	10.86%	1.409%
34	13.882	3816	3823	3833	rVB4	41183	74688	1.86%	0.241%

LSC Area Percent Report

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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Title : SW846 8260

35	13.947	3833	3843	3848	rBV	63175	105281	2.62%	0.340%
36	13.988	3848	3856	3866	rVB4	110126	206373	5.14%	0.667%
37	14.065	3867	3880	3889	rVB9	66936	159435	3.97%	0.515%
38	14.133	3890	3901	3908	rBV	171108	276547	6.88%	0.893%
39	14.178	3908	3915	3924	rBV4	92175	146891	3.66%	0.474%
40	14.297	3943	3952	3956	rBV2	75128	117525	2.93%	0.380%
41	14.326	3957	3961	3970	rVB2	82612	117863	2.93%	0.381%
42	14.422	3978	3991	4003	rVB4	216699	489769	12.19%	1.582%
43	14.490	4003	4012	4019	rBV2	92173	151501	3.77%	0.489%
44	14.532	4019	4025	4033	rVB4	63916	93825	2.34%	0.303%
45	14.586	4034	4042	4045	rBV3	31047	47732	1.19%	0.154%
46	14.664	4058	4066	4073	rBV3	69302	108227	2.69%	0.350%
47	14.705	4073	4079	4095	rVB2	54757	88634	2.21%	0.286%
48	14.789	4095	4105	4117	rBV6	62425	144601	3.60%	0.467%
49	14.853	4117	4125	4130	rBV4	65583	101997	2.54%	0.329%
50	14.889	4130	4136	4140	rBV3	64663	91266	2.27%	0.295%
51	15.049	4178	4186	4194	rBV	96782	169954	4.23%	0.549%
52	15.191	4219	4230	4241	rBV	466590	839039	20.89%	2.710%
53	15.265	4243	4253	4287	rVB2	441651	1059792	26.38%	3.423%
54	15.406	4287	4297	4310	rBV7	40159	104147	2.59%	0.336%
55	15.487	4313	4322	4333	rBV6	74395	154131	3.84%	0.498%
56	15.702	4380	4389	4400	rBV4	93604	186512	4.64%	0.602%
57	15.914	4442	4455	4467	rBV3	159847	331332	8.25%	1.070%
58	16.104	4503	4514	4525	rBV3	127229	264704	6.59%	0.855%
59	16.168	4525	4534	4557	rVB6	113840	356380	8.87%	1.151%
60	16.358	4580	4593	4604	rBV6	140555	372725	9.28%	1.204%

Sum of corrected areas: 30957412

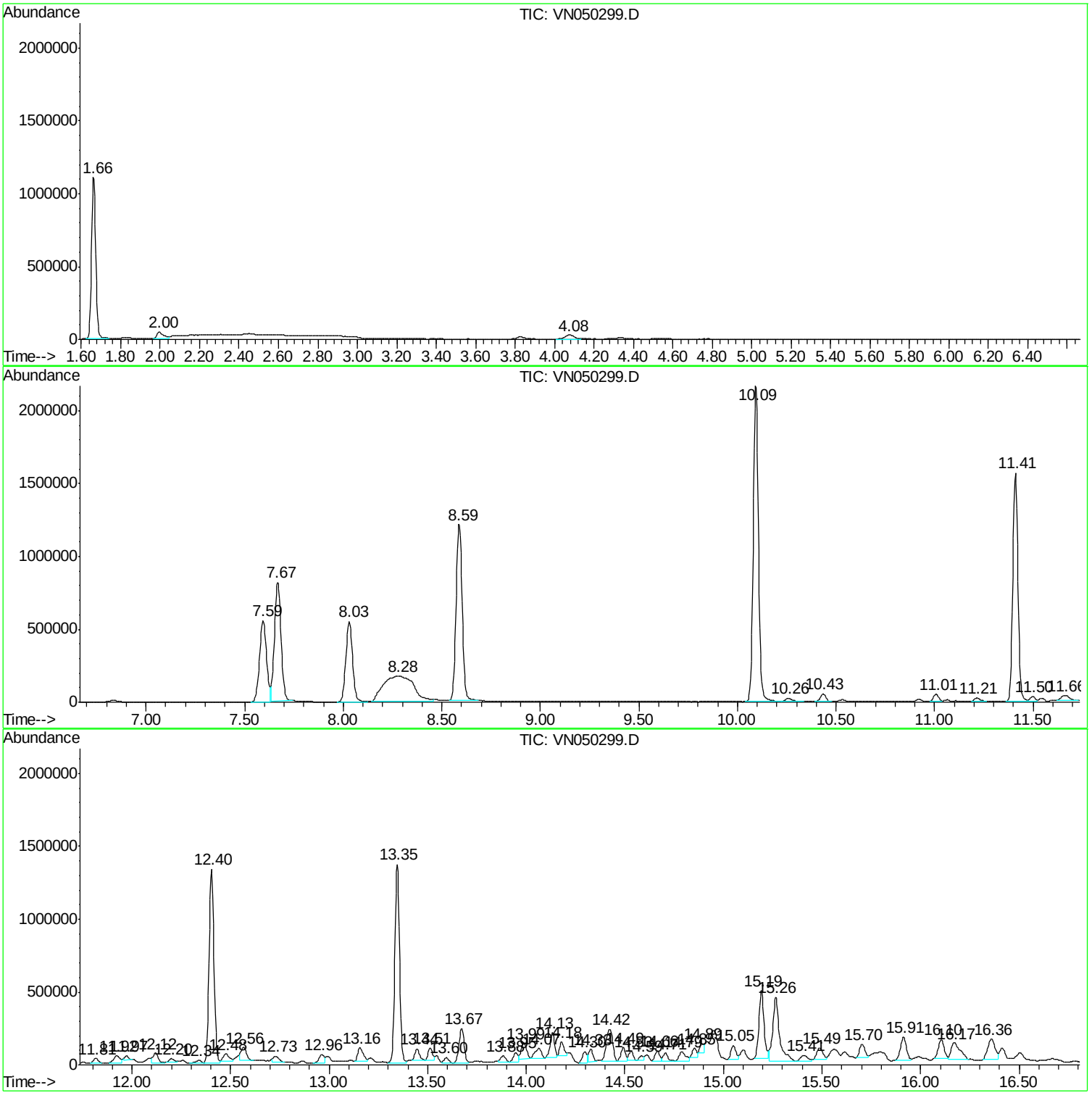
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050299.D
Acq On : 3 Aug 2018 6:41
Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.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\VN080218\
Data File : VN050299.D
Acq On : 3 Aug 2018 6:41
Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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

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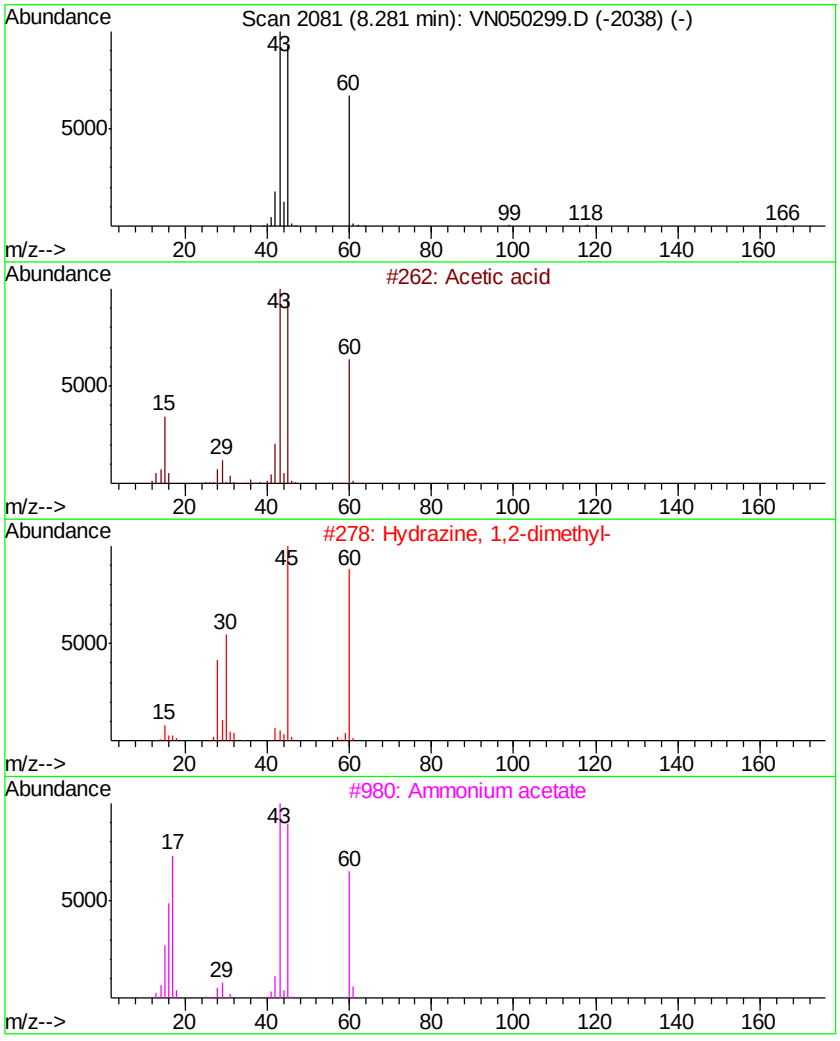
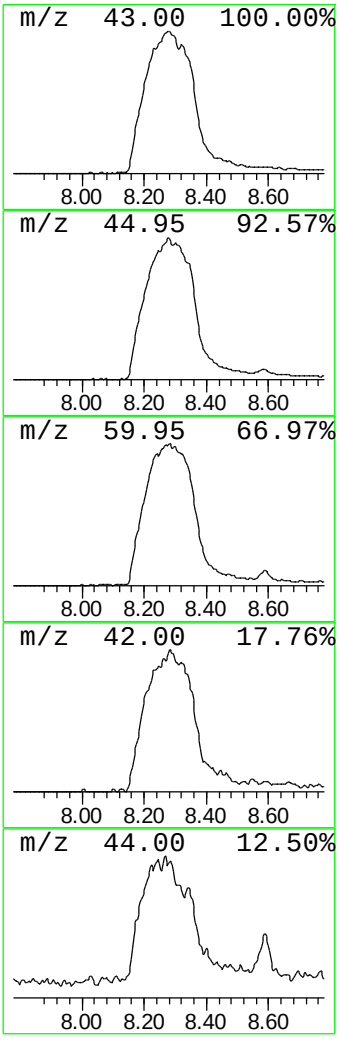
Peak Number 2 Acetic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	35.88 ug/l	1843120	1,4-Difluorobenzene	8.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	90
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	64
3	Ammonium acetate	77	C2H7NO2	000631-61-8	43
4	Cyclohexan-1,4,5-triol-3-one-1-c...	190	C7H10O6	1000128-45-5	40
5	Hydroperoxide, 1-methylpentyl	118	C6H14O2	024254-55-5	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050299.D
Acq On : 3 Aug 2018 6:41
Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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

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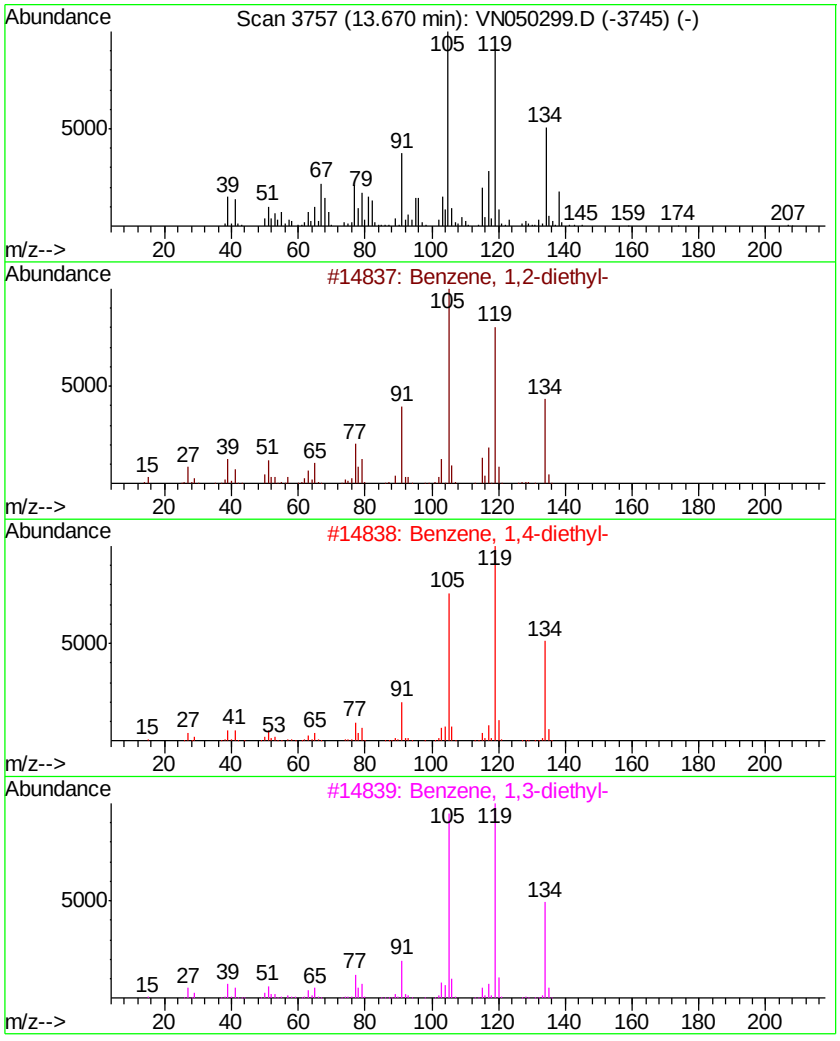
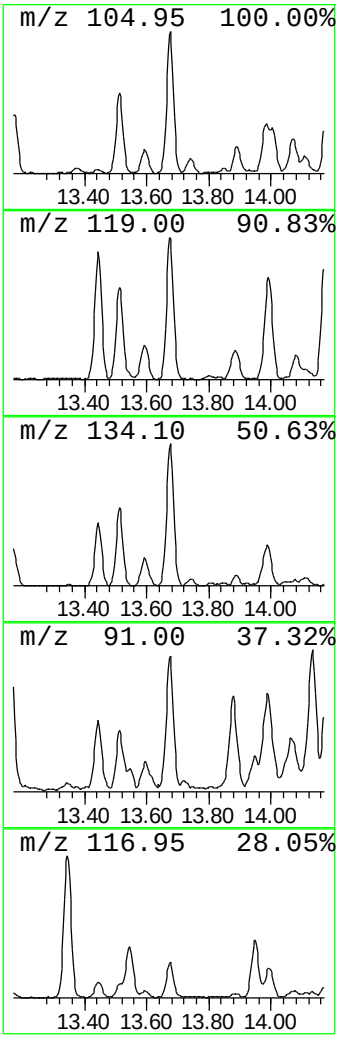
Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	9.48 ug/l	436121	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	81
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	58
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050299.D
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Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

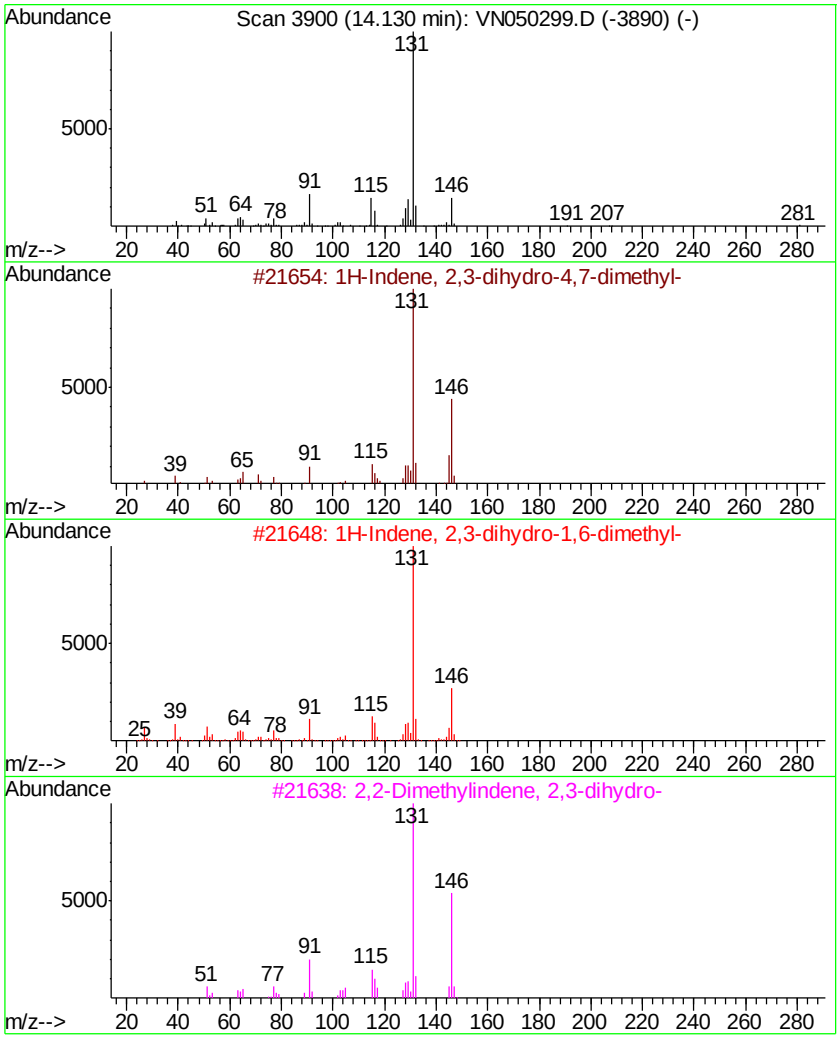
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

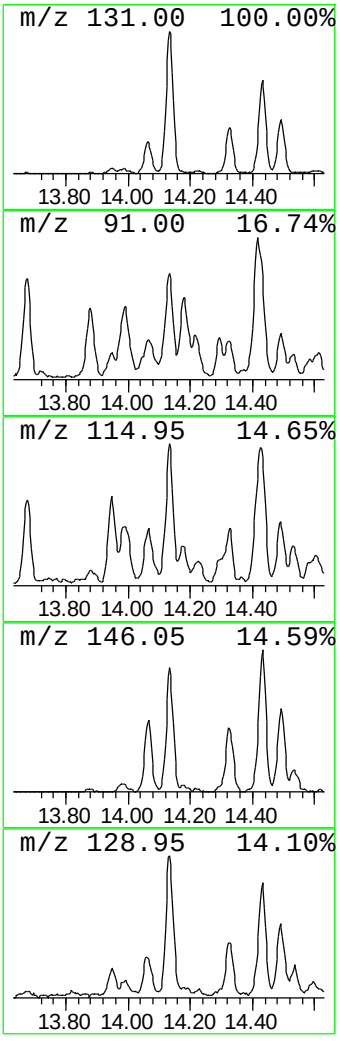
****

Peak Number 4 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	6.01 ug/l	276547	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
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Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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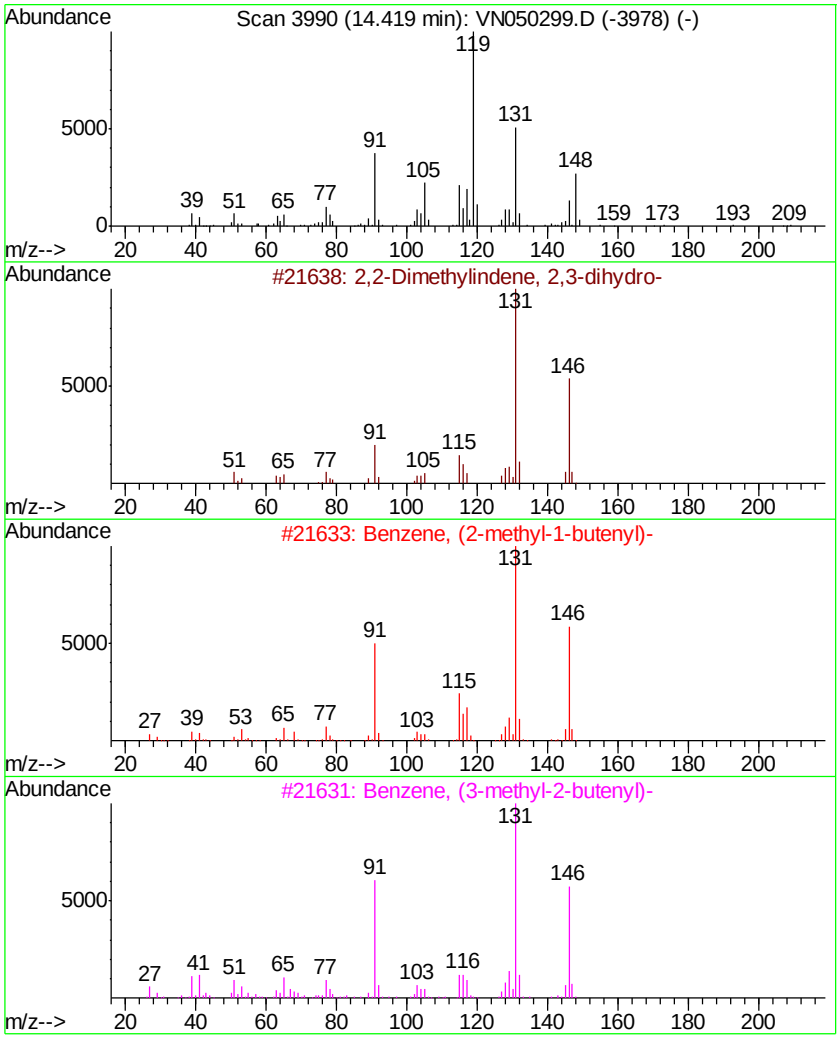
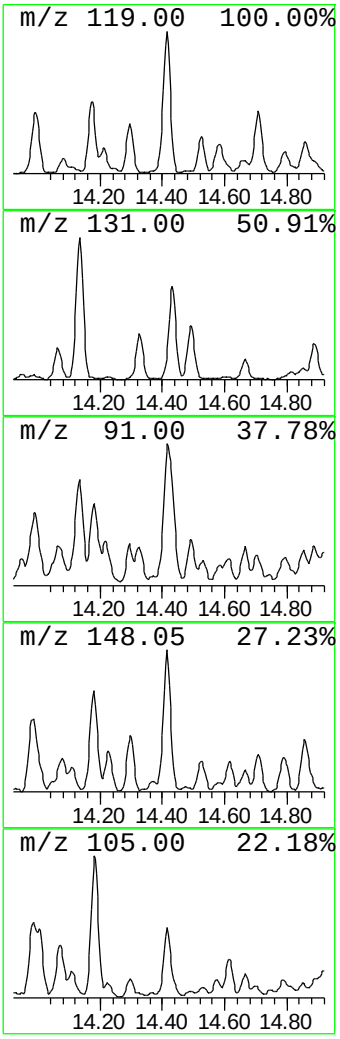
****

Peak Number 5 2,2-Dimethylindene, 2,3-dih... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	10.65 ug/l	489769	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	50





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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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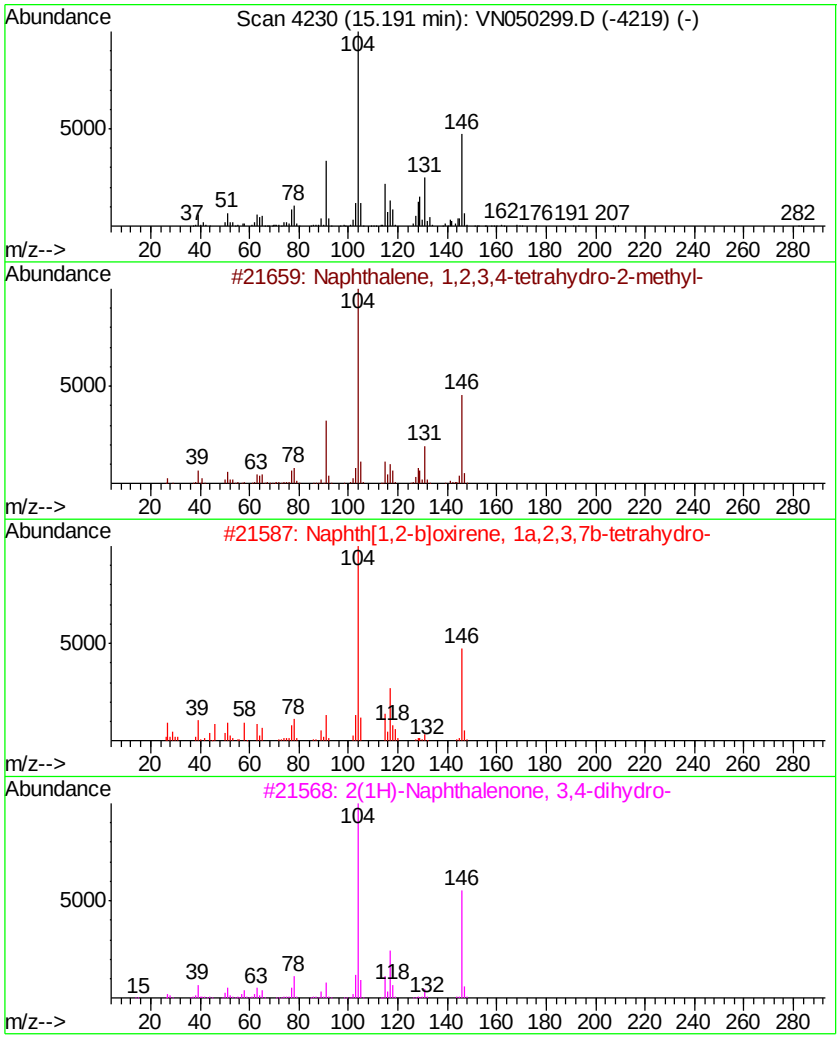
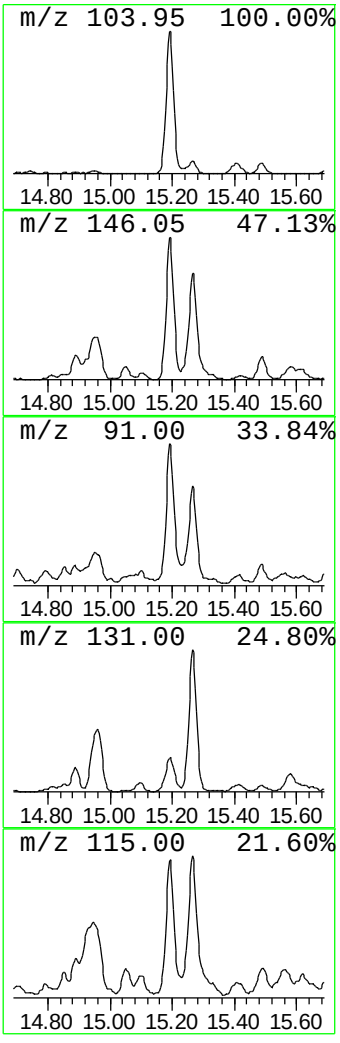
****

Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	18.24 ug/l	839039	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	70
3	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	58
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	50
5	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	47





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Quant Title : SW846 8260

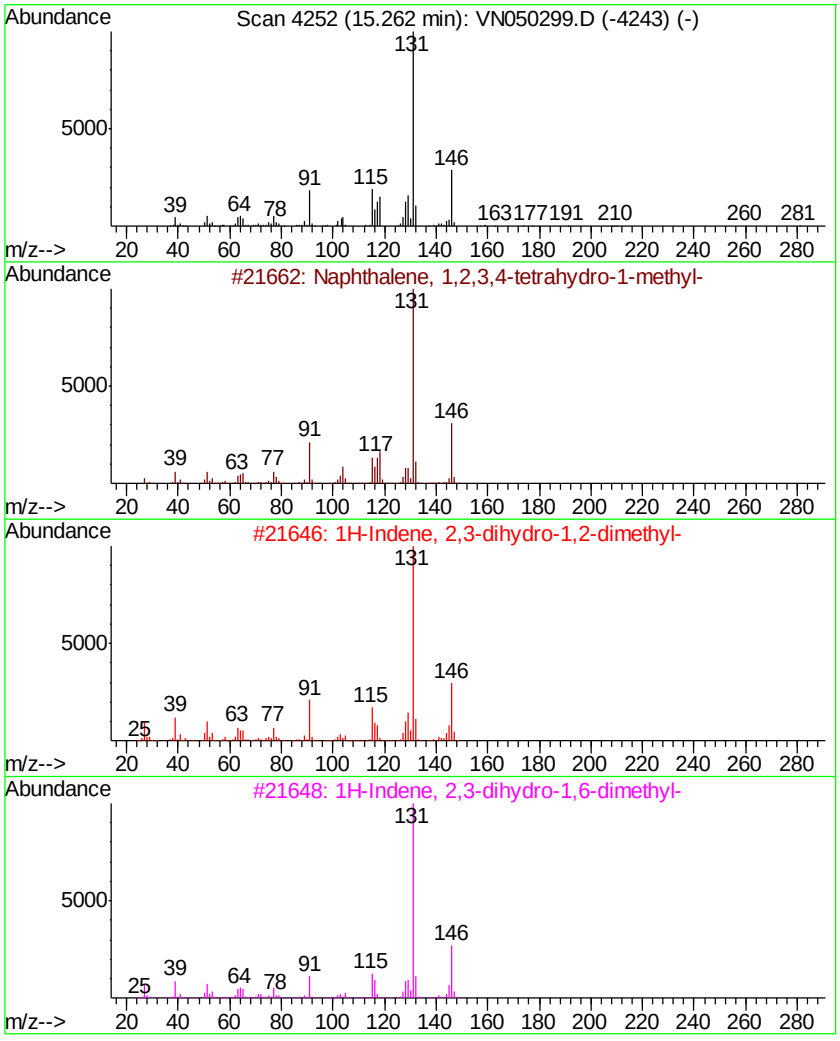
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

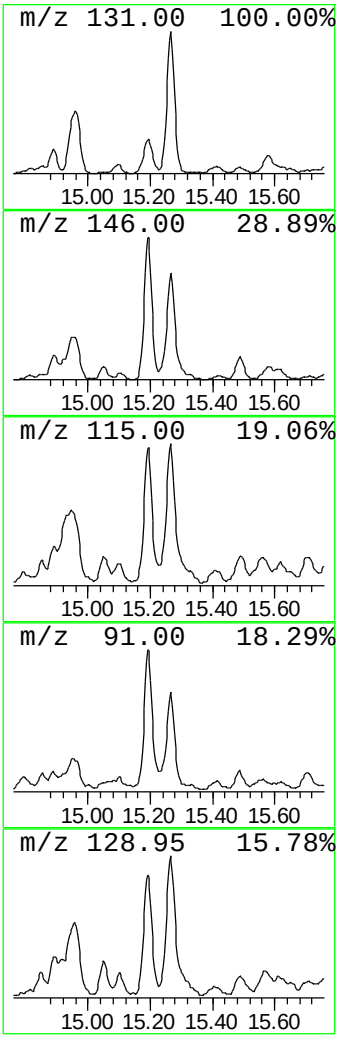
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	23.04 ug/l	1059790	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	83





Library Search Compound Report

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Data File : VN050299.D
Acq On : 3 Aug 2018 6:41
Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

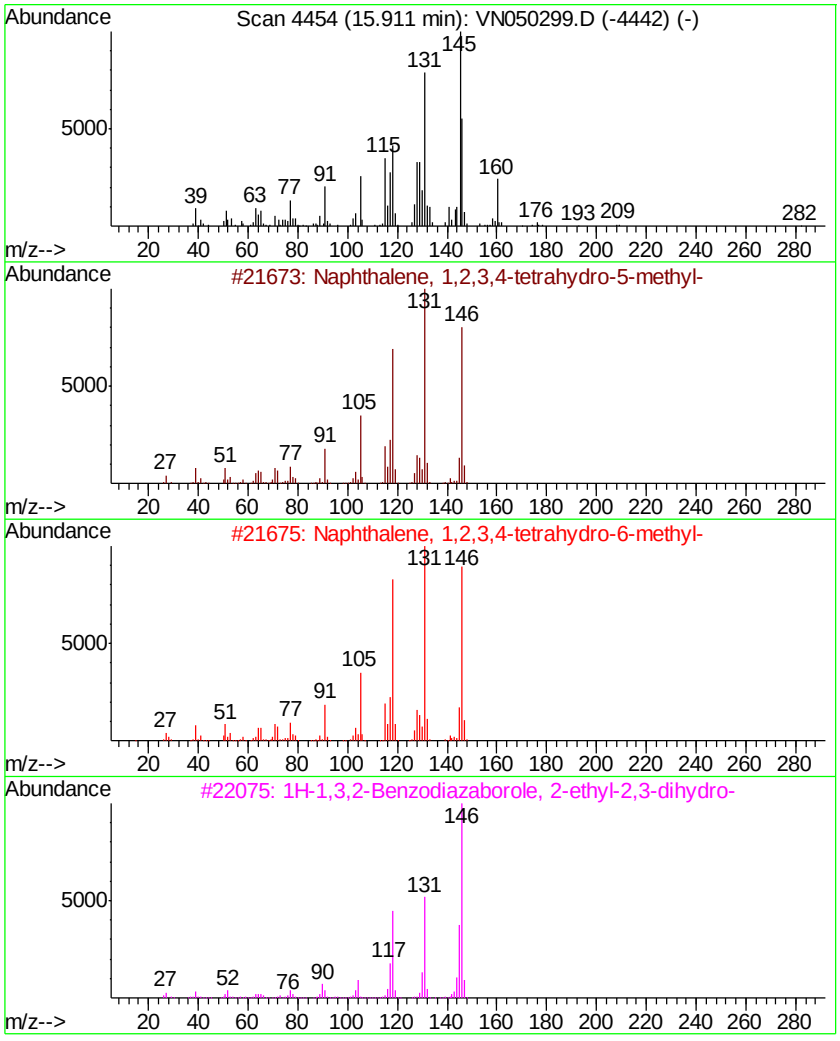
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

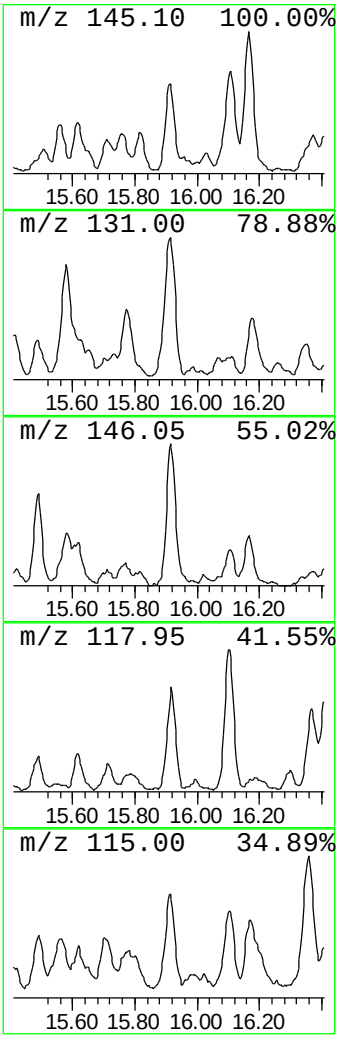
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	7.20 ug/l	331332	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	60
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	60
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	55
5	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	53





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Data File : VN050299.D
Acq On : 3 Aug 2018 6:41
Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

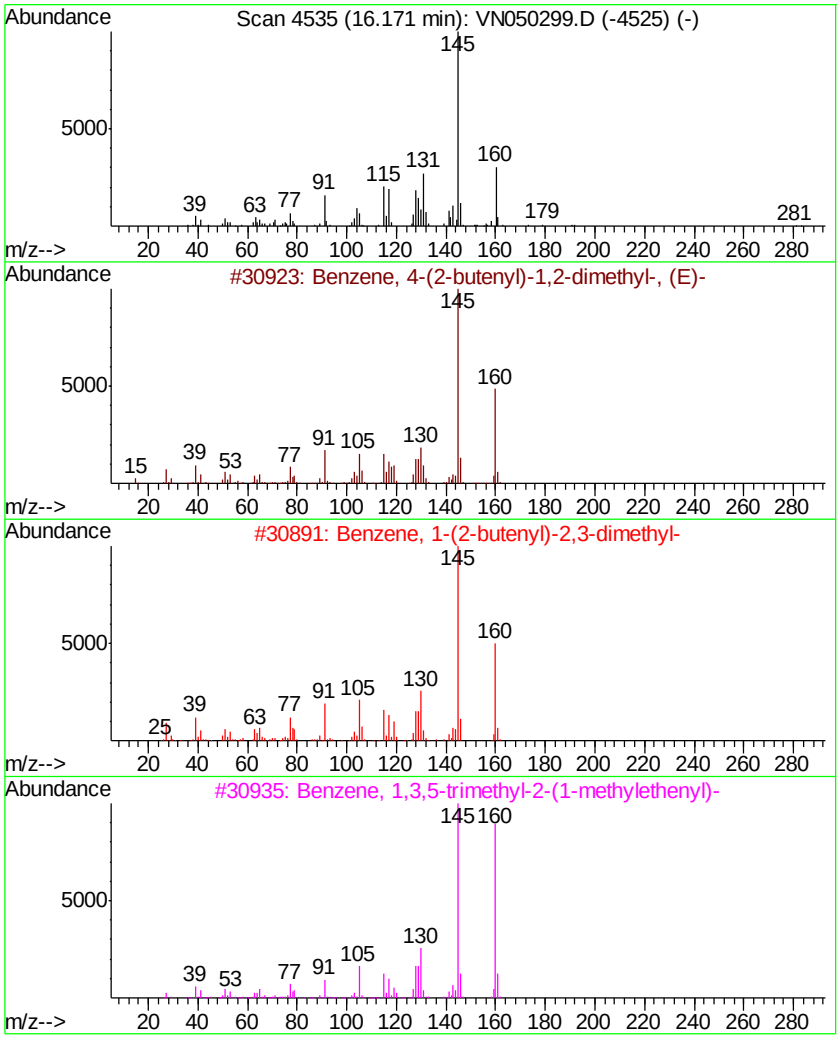
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

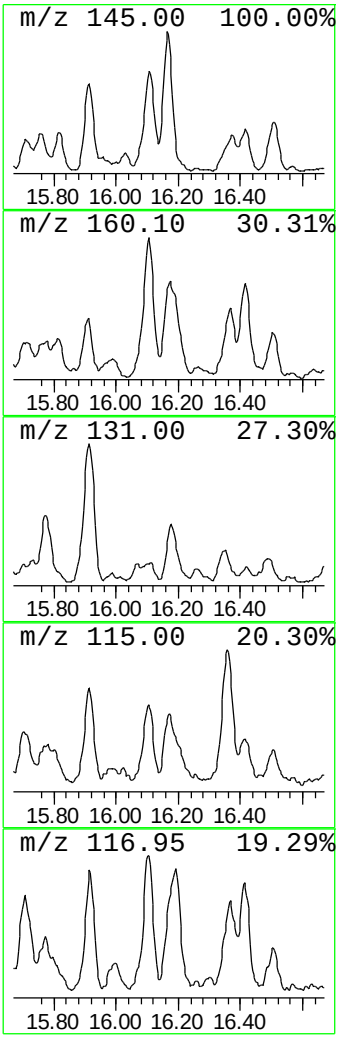
****

Peak Number 9 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	7.75 ug/l	356380	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	87
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	83
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	83
5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050299.D
Acq On : 3 Aug 2018 6:41
Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

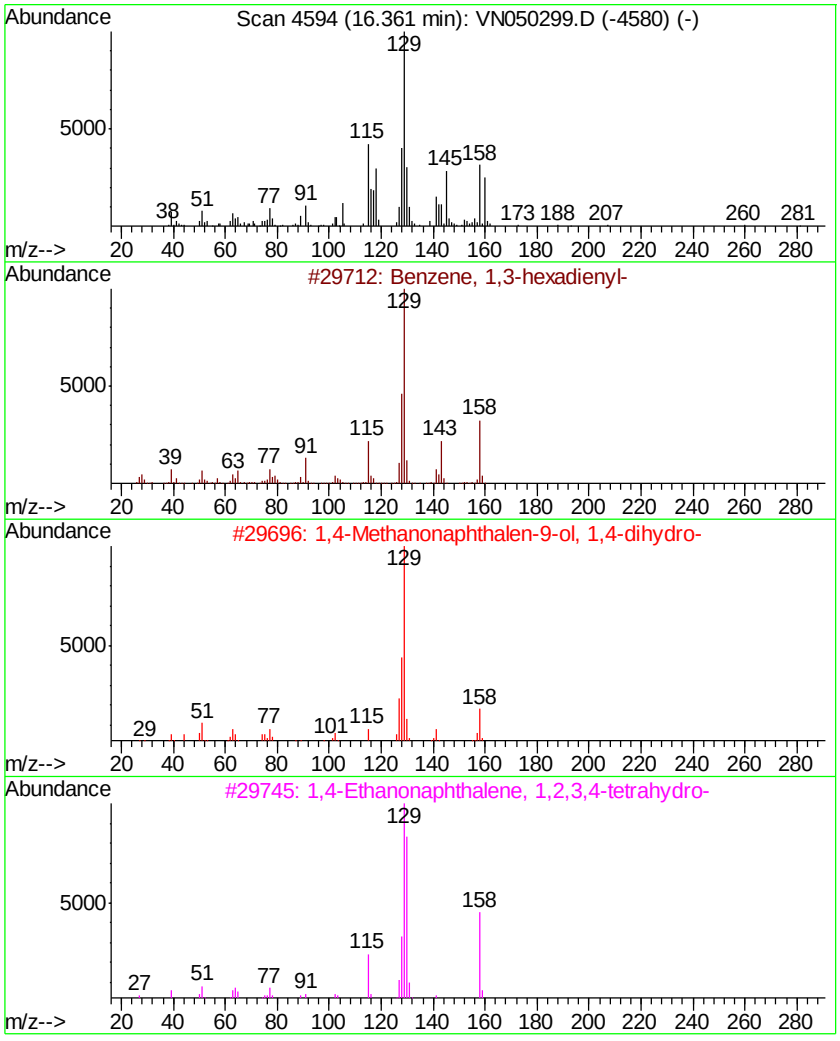
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

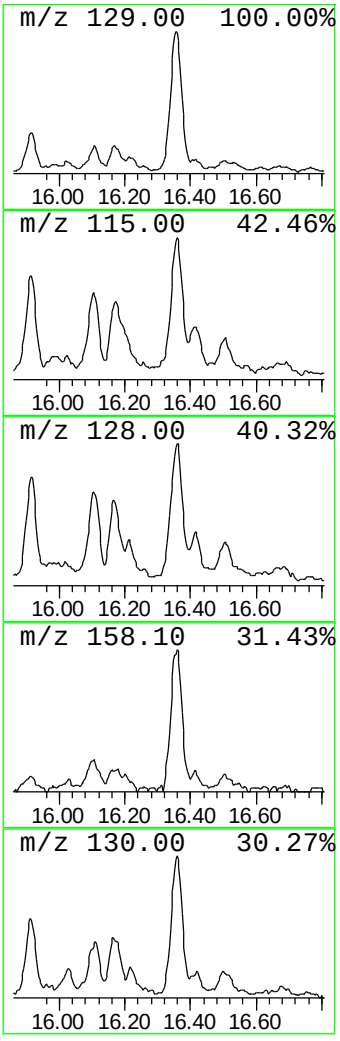
****

Peak Number 10 Benzene, 1,3-hexadienyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	8.10 ug/l	372725	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	49
2	1,4-Methanonaphthalen-9-ol, 1,4-...	158	C11H10O	004796-33-2	43
3	1,4-Ethanonaphthalene, 1,2,3,4-t...	158	C12H14	004175-52-4	43
4	1-Naphthalenemethanol	158	C11H10O	004780-79-4	40
5	(1-Ethylbuta-1,3-dienyl)benzene	158	C12H14	1000210-05-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050299.D
Acq On : 3 Aug 2018 6:41
Operator : MD\SY
Sample : J4303-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.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
Acetic acid	8.28	35.9	ug/l	1843120	2	8.59	2568250	50.0
Benzene, 1,2-diet...	13.67	9.5	ug/l	436121	4	13.35	2299410	50.0
1H-Indene, 2,3-di...	14.13	6.0	ug/l	276547	4	13.35	2299410	50.0
2,2-Dimethylinden...	14.42	10.7	ug/l	489769	4	13.35	2299410	50.0
Naphthalene, 1,2,...	15.19	18.2	ug/l	839039	4	13.35	2299410	50.0
Naphthalene, 1,2,...	15.26	23.0	ug/l	1059790	4	13.35	2299410	50.0
Naphthalene, 1,2,...	15.91	7.2	ug/l	331332	4	13.35	2299410	50.0
Benzene, 4-(2-but...	16.17	7.8	ug/l	356380	4	13.35	2299410	50.0
Benzene, 1,3-hexa...	16.36	8.1	ug/l	372725	4	13.35	2299410	50.0