LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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	1.657	3	21	51	rBV	2205955	3437816	86.35%	11.820%
2	7.593	1843	1867	1879	rBV	550515	1402504	35.23%	4.822%
3	7.670	1879	1891	1915	rVB	804131	1920216	48.23%	6.602%
4	8.030	1984	2003	2033	rBV	564546	1343528	33.75%	4.619%
5	8.258	2040	2074	2087	rBV4	114461	681051	17.11%	2.342%
6	8.586	2161	2176	2215	rVB	1209494	2558611	64.27%	8.797%
7	10.091	2628	2644	2673	rBV	2117582	3981126	100.00%	13.688%
8	11.410	3039	3054	3074	rBV	1571371	2764986	69.45%	9.507%
9	11.660	3119	3132	3146	rVB	15414	41056	1.03%	0.141%
10	12.252	3305	3316	3328	rVB	55730	96130	2.41%	0.331%
11	12.403	3350	3363	3379	rBV	1364060	2271411	57.05%	7.810%
12	12.593	3409	3422	3436	rVB	74926	172394	4.33%	0.593%
13	12.731	3455	3465	3482	rVB	21116	48062	1.21%	0.165%
14	13.175	3590	3603	3610	rBV3	51371	93887	2.36%	0.323%
15	13.345	3643	3656	3672	rBV	1399000	2303162	57.85%	7.919%
16	13.445	3678	3687	3698	rVV2	81657	128602	3.23%	0.442%
17	13.512	3698	3708	3712	rVV	142082	214687	5.39%	0.738%
18	13.544	3713	3718	3727	rVV	209466	325964	8.19%	1.121%
19	13.596	3727	3734	3746	rVB3	44688	82995	2.08%	0.285%
20	13.673	3746	3758	3770	rVB	204757	348665	8.76%	1.199%
21	13.892	3815	3826	3835	rBV	305530	463853	11.65%	1.595%
22	13.950	3835	3844	3849	rBV	97480	153006	3.84%	0.526%
23	13.995	3849	3858	3869	rVB2	489646	801658	20.14%	2.756%
24	14.133	3891	3901	3909	rBV2	86677	141103	3.54%	0.485%
25	14.210	3909	3925	3933	rBV	213707	379746	9.54%	1.306%
26	14.326	3957	3961	3968	rVV2	44448	62419	1.57%	0.215%
27	14.364	3968	3973	3981	rVB	35707	47743	1.20%	0.164%
28	14.422	3981	3991	4001	rBV4	71322	139315	3.50%	0.479%
29	14.483	4001	4010	4018	rVV4	67784	121175	3.04%	0.417%
30	14.528	4018	4024	4032	rVB3	55121	78368	1.97%	0.269%
31	14.583	4032	4041	4055	rBV4	87091	168518	4.23%	0.579%
32	14.660	4056	4065	4074	rBV7	53070	95092	2.39%	0.327%
33	14.786	4096	4104	4110	rBV4	29953	53457	1.34%	0.184%
34	14.853	4117	4125	4131	rBV6	76453	128032	3.22%	0.440%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

35	14.959	4148	4158	4176	rVB2	196977	438031	11.00%	1.506%
36	15.191	4221	4230	4240	rBV	138918	242480	6.09%	0.834%
37	15.265	4242	4253	4281	rVB	235593	522300	13.12%	1.796%
38	15.419	4290	4301	4309	rBV5	25072	58557	1.47%	0.201%
39	15.486	4315	4322	4334	rVB4	46518	89492	2.25%	0.308%
40	15.580	4344	4351	4358	rBV2	43438	72076	1.81%	0.248%
41	15.702	4381	4389	4399	rBV2	34696	53038	1.33%	0.182%
42	15.917	4443	4456	4469	rBV2	144410	283109	7.11%	0.973%
43	16.107	4507	4515	4524	rVB6	28649	53720	1.35%	0.185%
44	16.165	4526	4533	4543	rVB4	29450	50405	1.27%	0.173%
45	16.355	4578	4592	4603	rBV6	70060	171099	4.30%	0.588%

Sum of corrected areas: 29084645

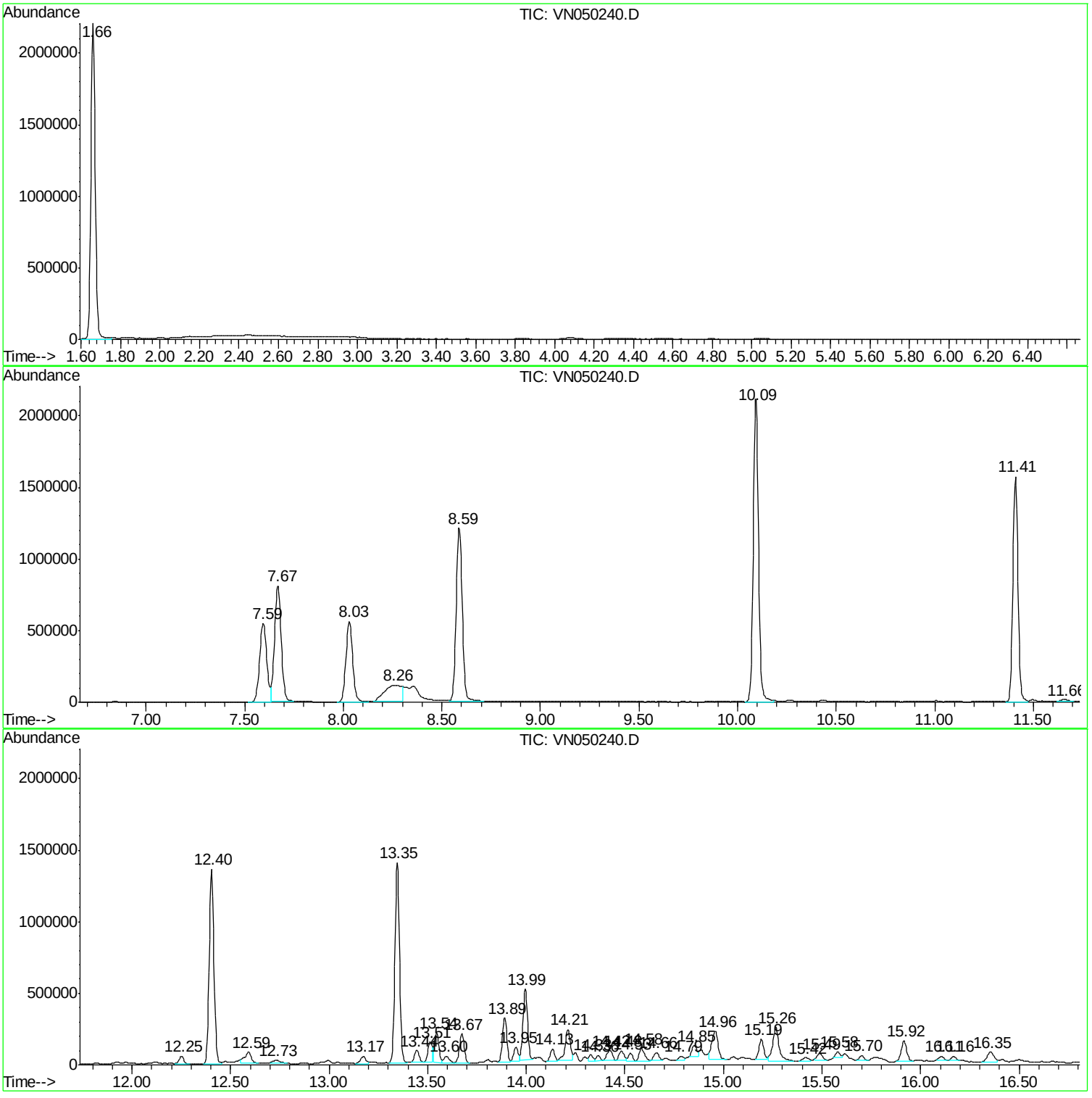
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

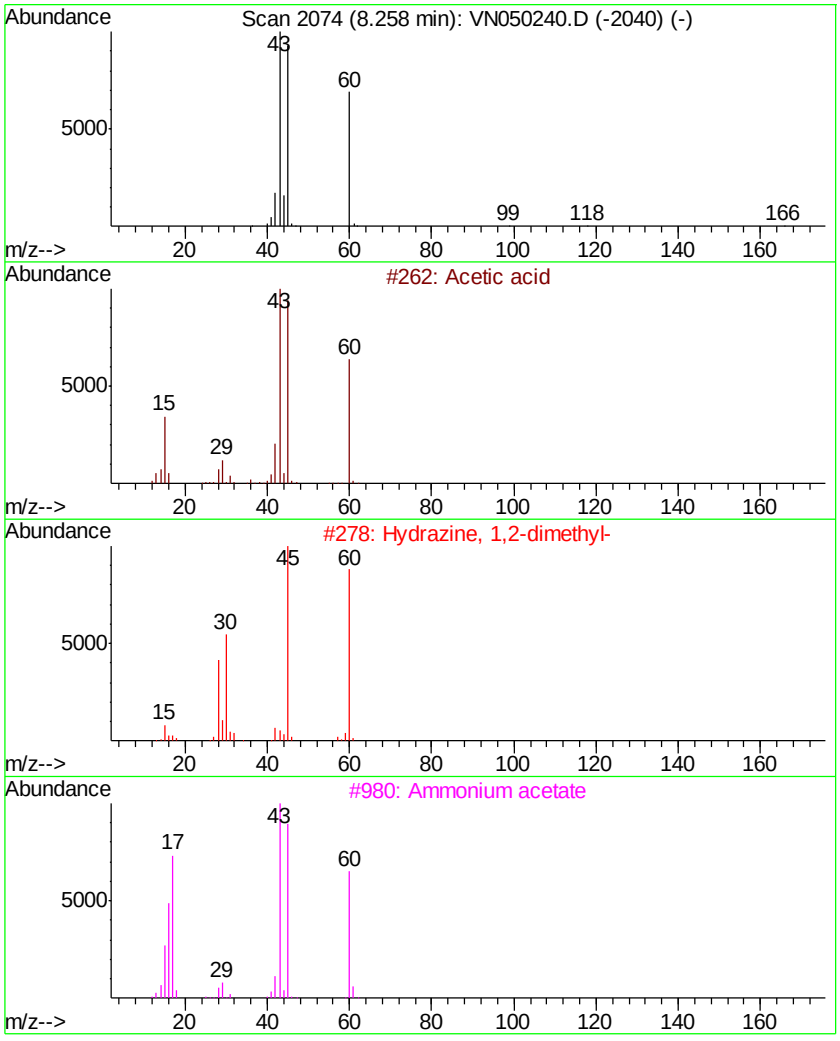
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

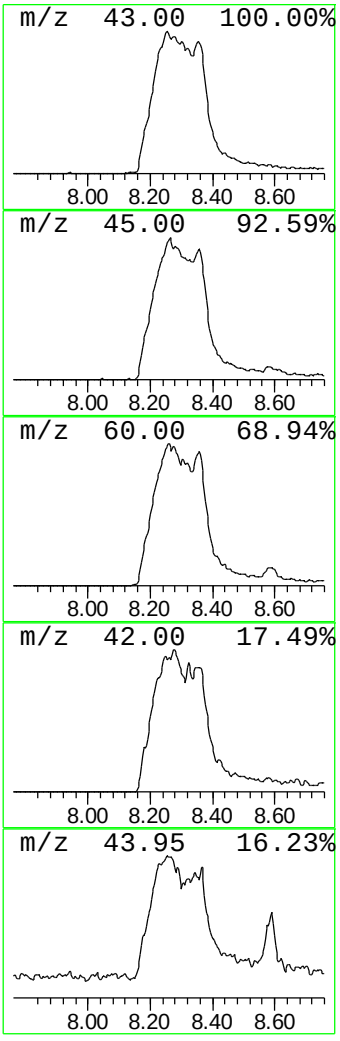
****

Peak Number 2 Acetic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	13.31 ug/l	681051	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	50
3	Ammonium acetate	77	C2H7NO2	000631-61-8	43
4	Hydroperoxide, 1-methylpentyl	118	C6H14O2	024254-55-5	36
5	Thiirane	60	C2H4S	000420-12-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

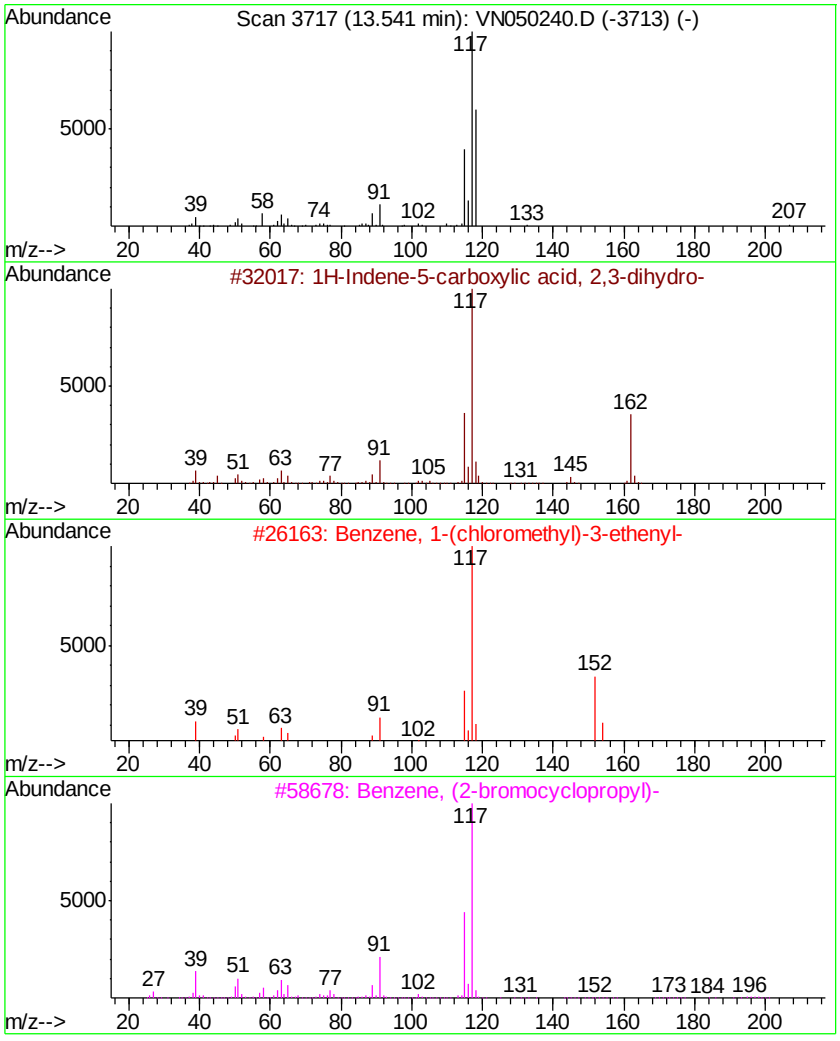
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

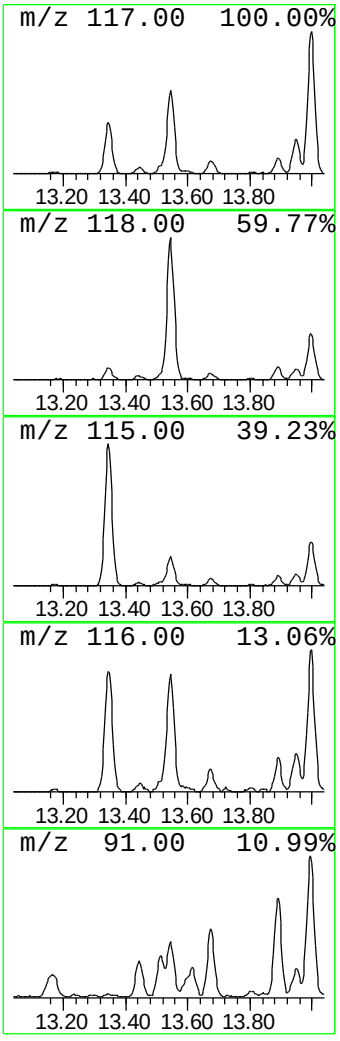
****

Peak Number 3 1H-Indene-5-carboxylic acid... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	7.08 ug/l	325964	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-5-carboxylic acid, 2,3...	162	C10H10O2	1000337-61-3	64
2	Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	59
3	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	53
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

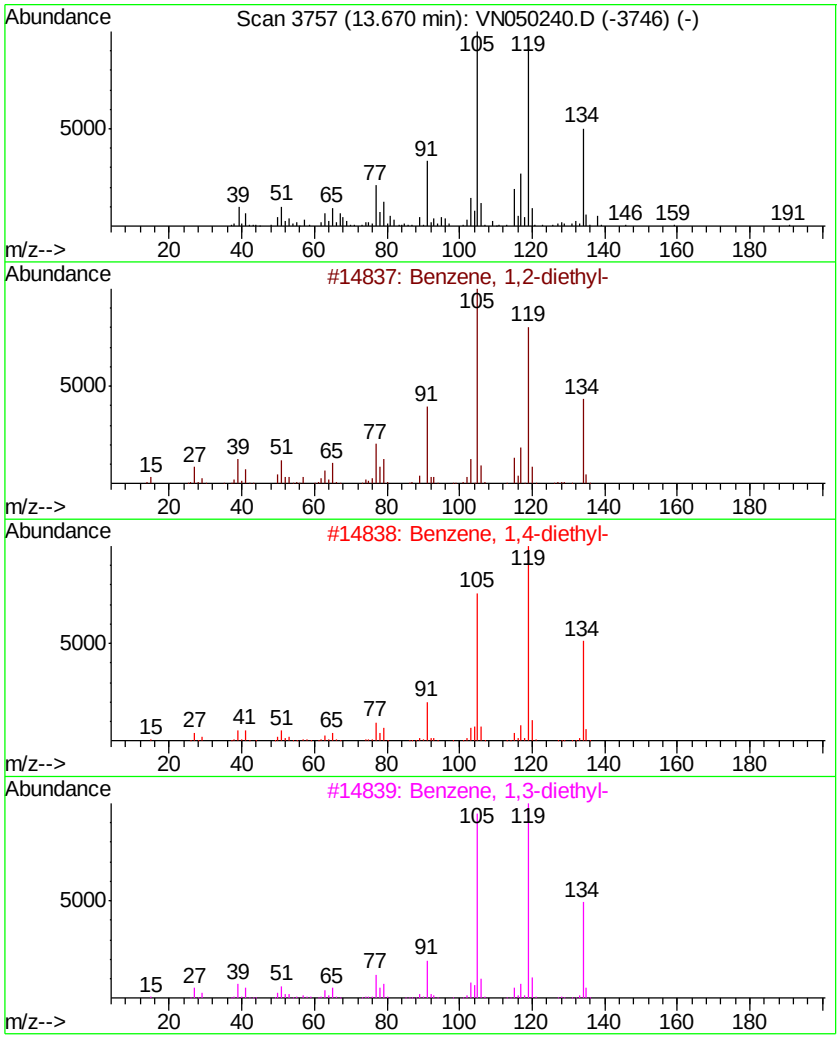
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

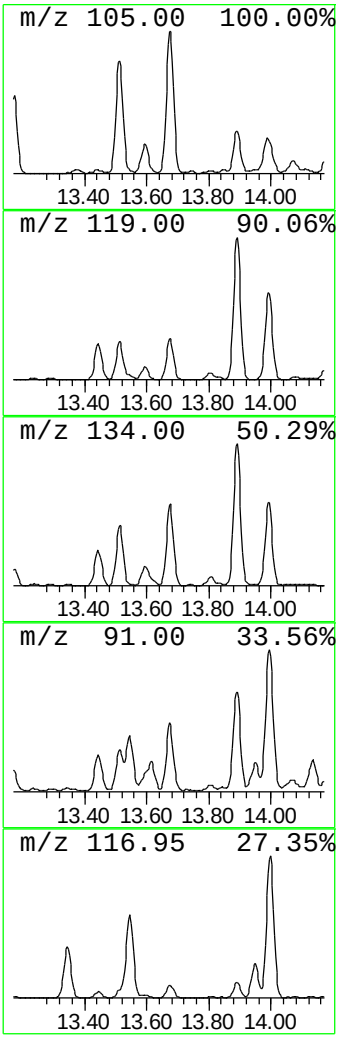
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	7.57 ug/l	348665	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	90
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	62
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

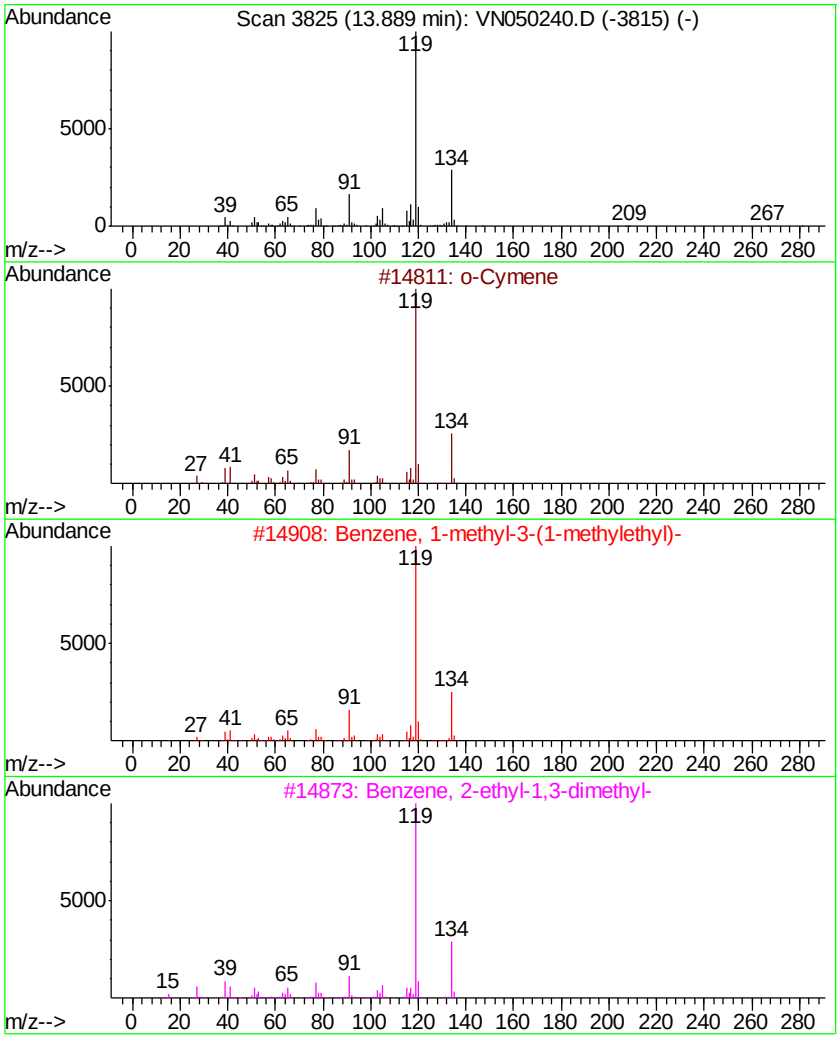
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

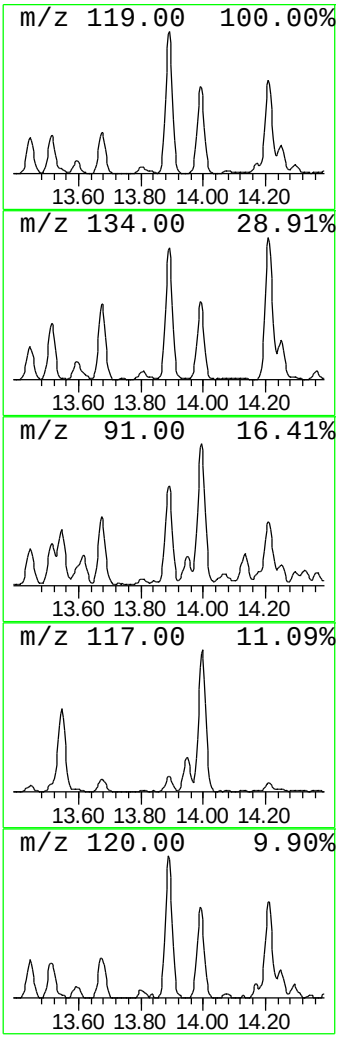
****

Peak Number 5 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	10.07 ug/l	463853	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

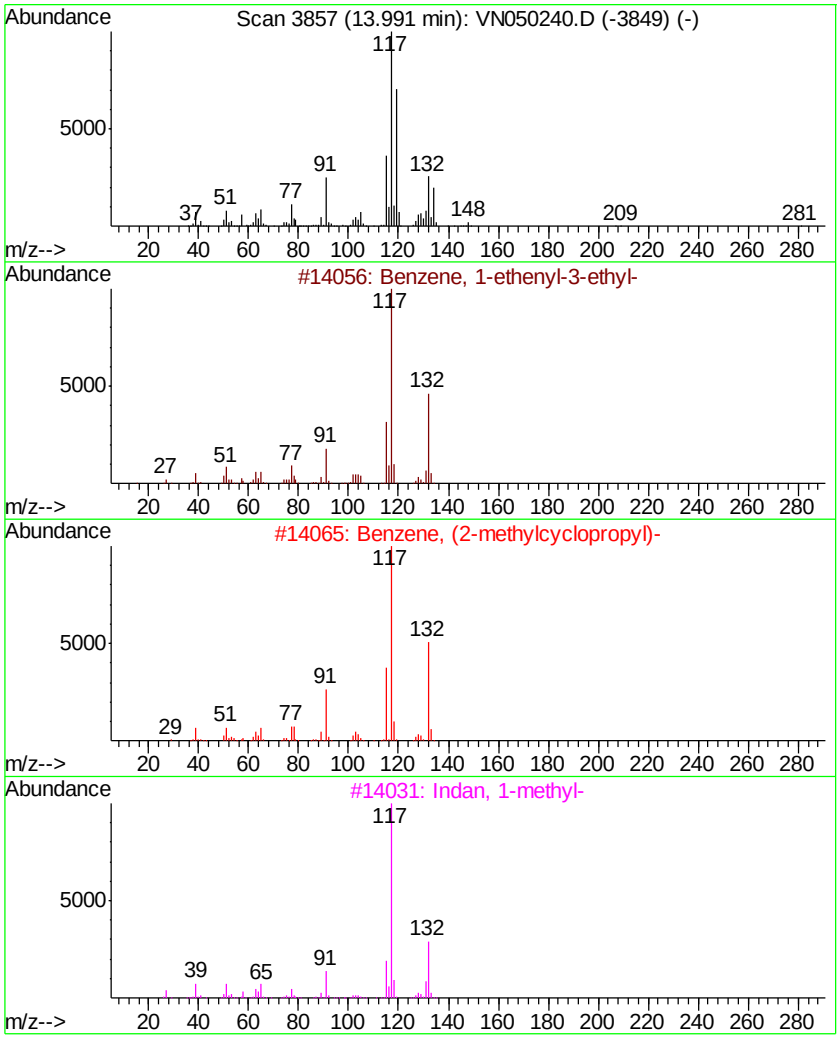
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

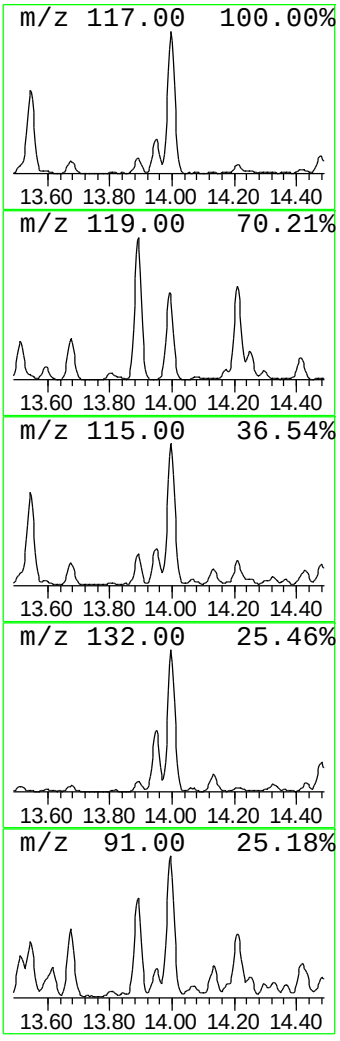
****

Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	17.40 ug/l	801658	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
3	Indan, 1-methyl-	132	C10H12	000767-58-8	64
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	62
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

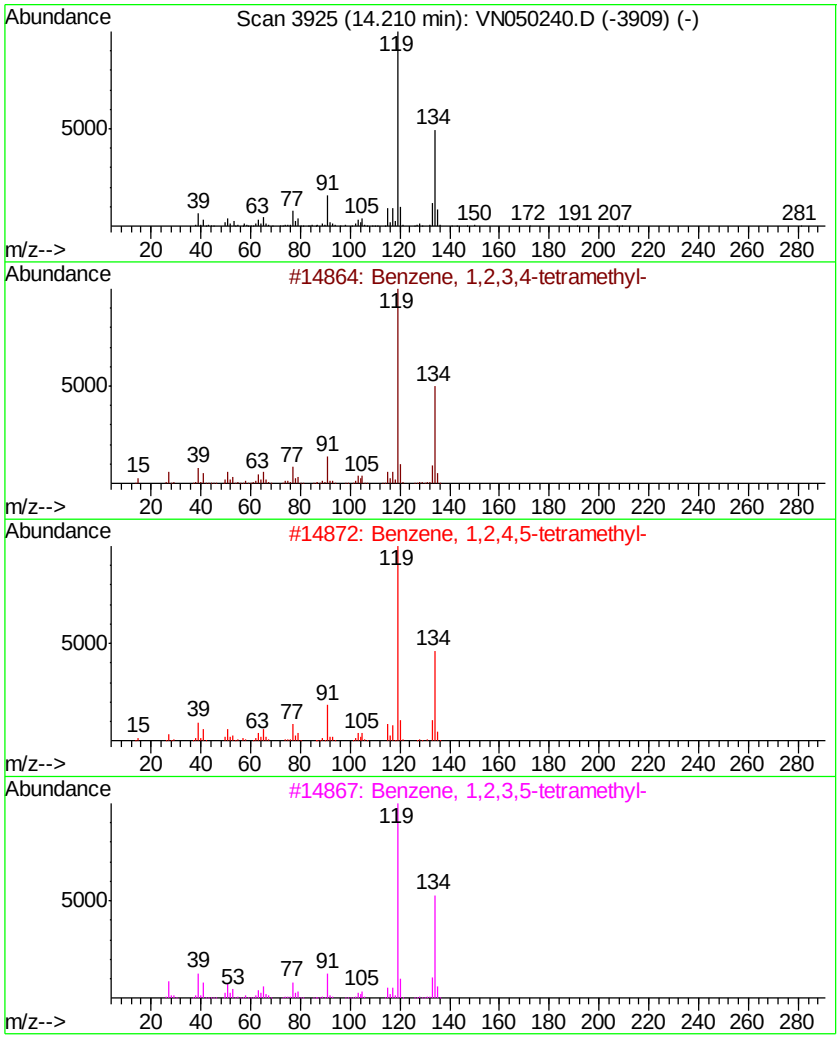
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

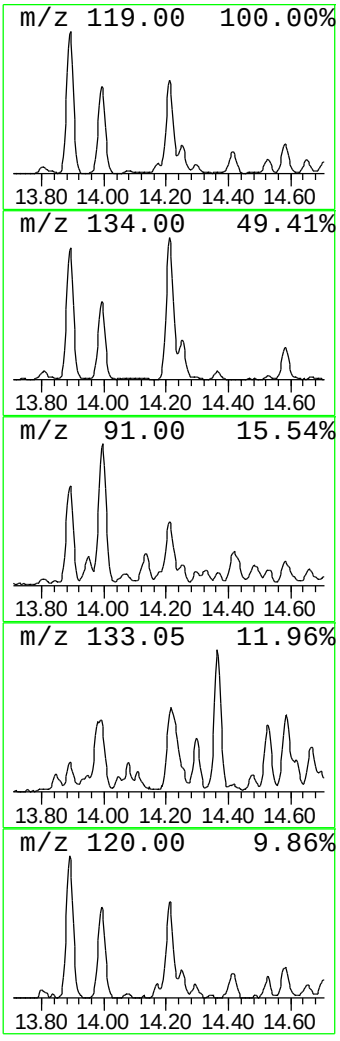
****

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	8.24 ug/l	379746	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

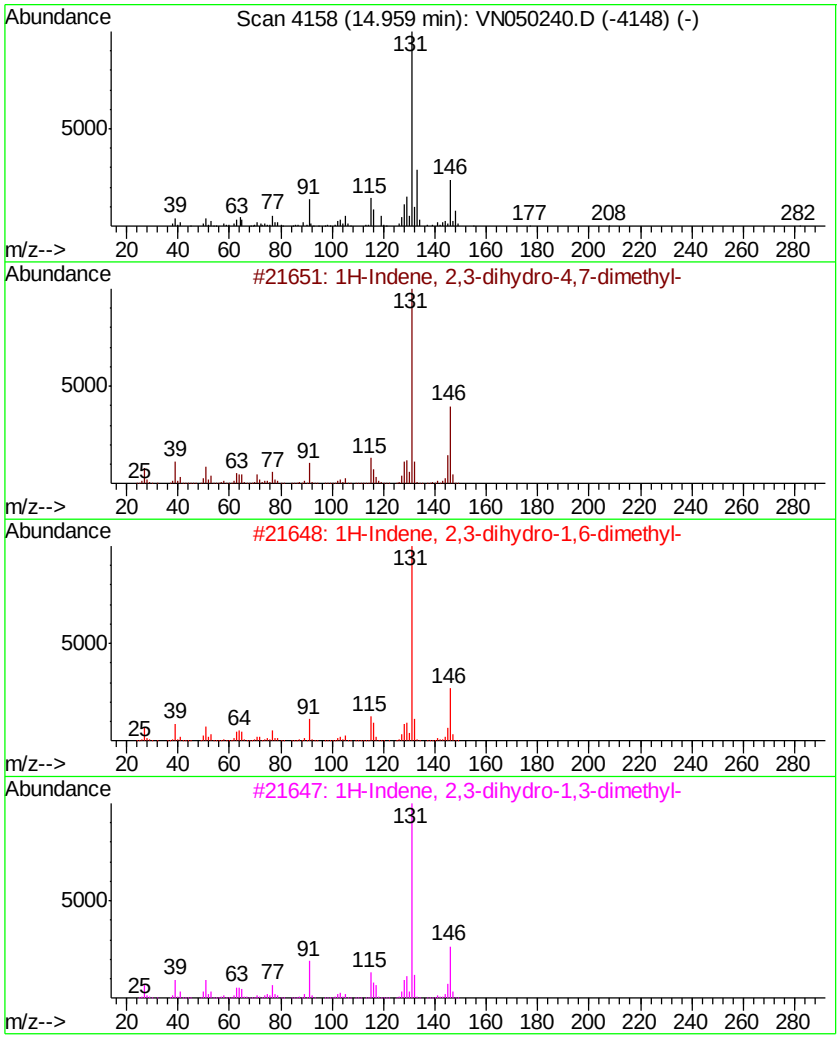
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

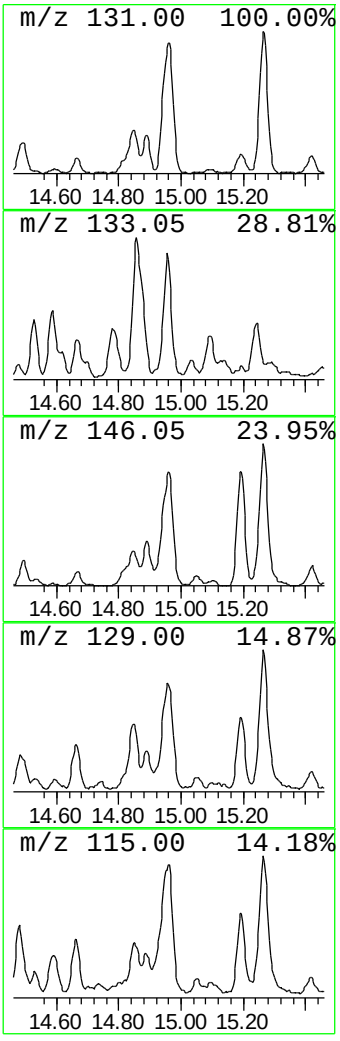
****

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	9.51 ug/l	438031	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	90
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

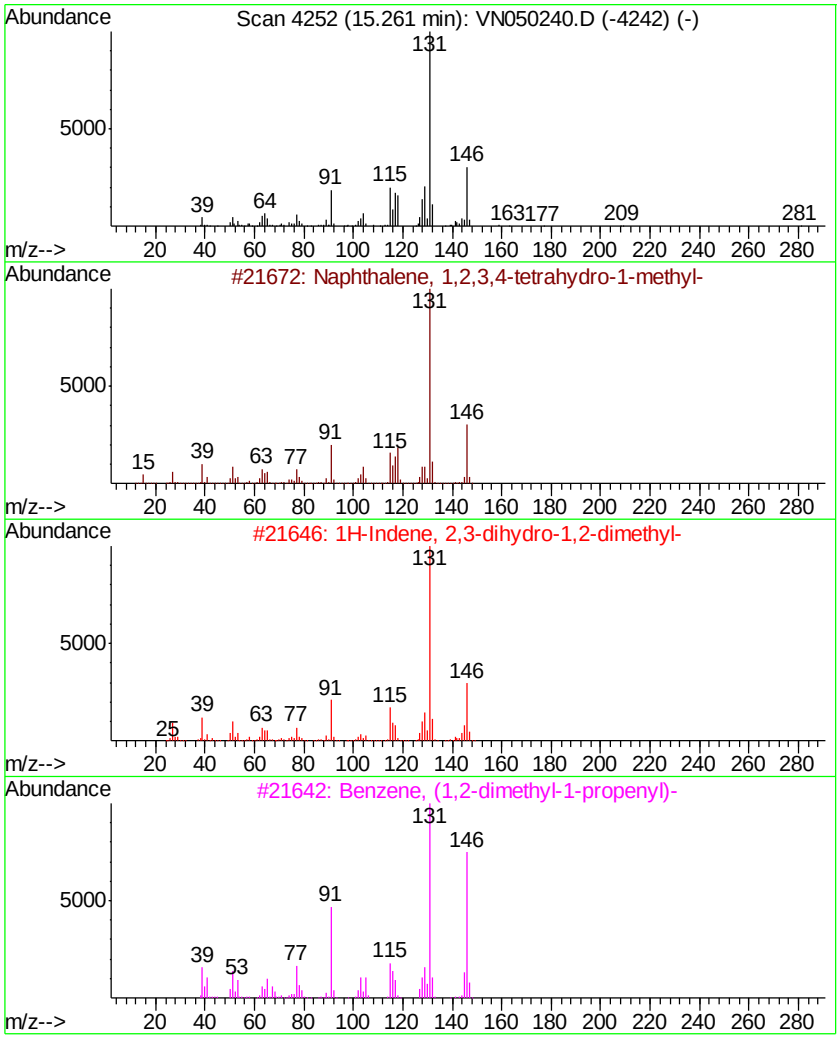
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

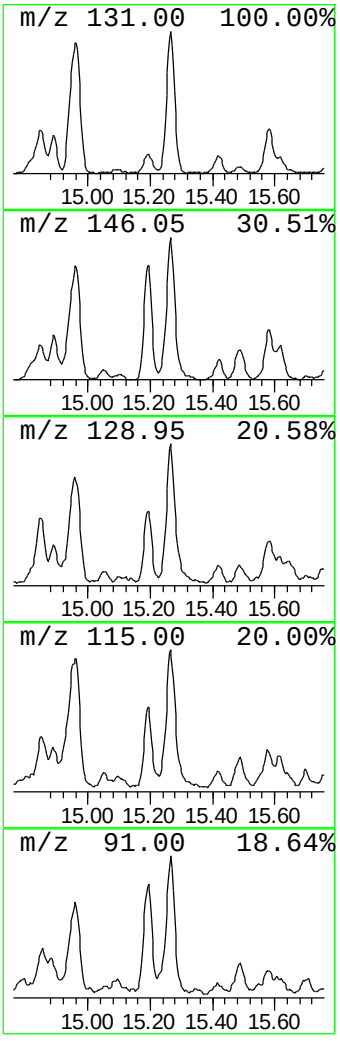
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	11.34 ug/l	522300	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	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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

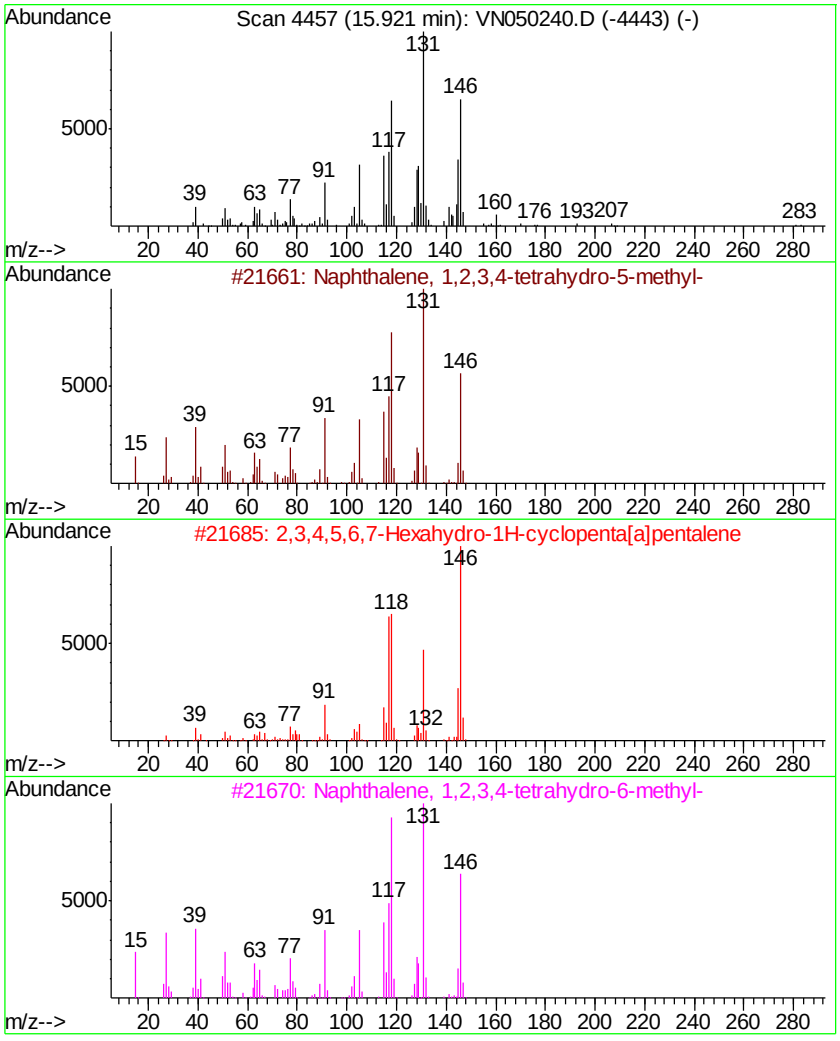
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

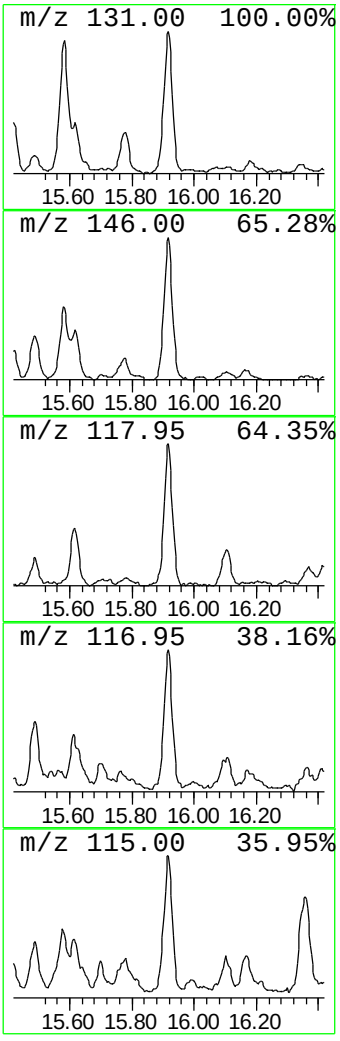
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	6.15 ug/l	283109	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	90
2	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	81
4	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	76
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050240.D
Acq On : 1 Aug 2018 11:25
Operator : MD\SY
Sample : J4256-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-17

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	8.26	13.3	ug/l	681051	2	8.59	2558610	50.0
1H-Indene-5-carbo...	13.54	7.1	ug/l	325964	4	13.35	2303160	50.0
Benzene, 1,2-diet...	13.67	7.6	ug/l	348665	4	13.35	2303160	50.0
o-Cymene	13.89	10.1	ug/l	463853	4	13.35	2303160	50.0
Benzene, 1-etheny...	13.99	17.4	ug/l	801658	4	13.35	2303160	50.0
Benzene, 1,2,3,4-...	14.21	8.2	ug/l	379746	4	13.35	2303160	50.0
1H-Indene, 2,3-di...	14.96	9.5	ug/l	438031	4	13.35	2303160	50.0
Naphthalene, 1,2,...	15.26	11.3	ug/l	522300	4	13.35	2303160	50.0
Naphthalene, 1,2,...	15.92	6.2	ug/l	283109	4	13.35	2303160	50.0