LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

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\82N070820W.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	2.773	296	311	334	rBV	511730	1037603	2.43%	0.460%
2	4.494	823	846	849	rBV4	183966	498819	1.17%	0.221%
3	5.002	970	1004	1039	rBV3	549501	2031194	4.76%	0.901%
4	5.879	1238	1277	1299	rBV2	142129	470903	1.10%	0.209%
5	6.580	1475	1495	1514	rBV	599906	1835486	4.30%	0.814%
6	7.619	1803	1818	1833	rVV7	599312	1915392	4.49%	0.850%
7	7.706	1834	1845	1865	rVB3	293440	832095	1.95%	0.369%
8	7.837	1865	1886	1900	rBV	312240	789146	1.85%	0.350%
9	8.001	1918	1937	1958	rBV	2187857	5377388	12.60%	2.386%
10	8.127	1960	1976	1984	rVV5	400789	1149211	2.69%	0.510%
11	8.198	1987	1998	2011	rVV3	1011406	2635384	6.18%	1.169%
12	8.548	2088	2107	2129	rBV4	808190	2156880	5.05%	0.957%
13	9.046	2234	2262	2275	rBV3	670276	2131221	4.99%	0.946%
14	9.583	2418	2429	2437	rBV2	465693	927115	2.17%	0.411%
15	9.837	2488	2508	2524	rBV5	136103	545583	1.28%	0.242%
16	9.937	2526	2539	2549	rVB2	335622	668695	1.57%	0.297%
17	10.059	2564	2577	2588	rBV2	799433	1628368	3.82%	0.723%
18	10.124	2589	2597	2607	rVB	387720	688245	1.61%	0.305%
19	10.490	2701	2711	2728	rVB5	408052	862193	2.02%	0.383%
20	10.767	2781	2797	2805	rBV	210034	440118	1.03%	0.195%
21	11.381	2976	2988	3006	rBV	681519	1393136	3.26%	0.618%
22	11.484	3008	3020	3038	rVV	7008907	12294189	28.81%	5.455%
23	11.596	3039	3055	3077	rVV	20359594	42670796	100.00%	18.934%
24	11.921	3138	3156	3174	rVB	3033953	5092546	11.93%	2.260%
25	12.223	3239	3250	3261	rVB	909867	1457227	3.42%	0.647%
26	12.377	3287	3298	3308	rBV	482003	791052	1.85%	0.351%
27	12.567	3345	3357	3366	rBV	1687513	2697245	6.32%	1.197%
28	12.632	3366	3377	3382	rVV	3664989	6030241	14.13%	2.676%
29	12.664	3382	3387	3393	rVV	3102971	4594675	10.77%	2.039%
30	12.709	3393	3401	3415	rVB	4323756	6895364	16.16%	3.060%
31	12.866	3436	3450	3466	rBV	4265053	6991997	16.39%	3.103%
32	13.017	3478	3497	3509	rBV	14478964	24410674	57.21%	10.832%
33	13.349	3580	3600	3629	rVB	7523440	13365075	31.32%	5.930%
34	13.519	3631	3653	3662	rBV	8614630	16611639	38.93%	7.371%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

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\82N070820W.M
Title : SW846 8260

35	13.557	3662	3665	3684	rVB2	1466202	2314353	5.42%	1.027%
36	13.709	3700	3712	3723	rVB2	867046	1875784	4.40%	0.832%
37	13.779	3723	3734	3739	rBV	1266078	2115465	4.96%	0.939%
38	13.863	3751	3760	3770	rVV	2717673	4032753	9.45%	1.789%
39	13.921	3770	3778	3784	rVV	565938	846404	1.98%	0.376%
40	13.969	3784	3793	3808	rVB2	2654311	4247775	9.95%	1.885%
41	14.101	3824	3834	3845	rBV2	673571	1044842	2.45%	0.464%
42	14.184	3846	3860	3866	rBV	1927202	3102249	7.27%	1.377%
43	14.223	3866	3872	3881	rVV	2036761	3011150	7.06%	1.336%
44	14.448	3933	3942	3953	rBV	1929373	2997780	7.03%	1.330%
45	14.567	3965	3979	3990	rBV3	3925988	7383994	17.30%	3.276%
46	14.628	3990	3998	4010	rVB4	467600	795457	1.86%	0.353%
47	14.715	4014	4025	4040	rBV2	738225	1257829	2.95%	0.558%
48	14.824	4041	4059	4066	rBV4	722745	1715591	4.02%	0.761%
49	14.930	4079	4092	4107	rVB2	687485	1504165	3.53%	0.667%
50	15.104	4126	4146	4159	rBV	4866059	8674904	20.33%	3.849%
51	15.204	4166	4177	4187	rBV4	317354	644432	1.51%	0.286%
52	15.387	4221	4234	4247	rBV	329416	610041	1.43%	0.271%
53	15.548	4266	4284	4300	rBV2	201831	634410	1.49%	0.282%
54	16.120	4451	4462	4487	rVB	676221	1391960	3.26%	0.618%
55	16.310	4506	4521	4546	rVB	576844	1246274	2.92%	0.553%

Sum of corrected areas: 225364507

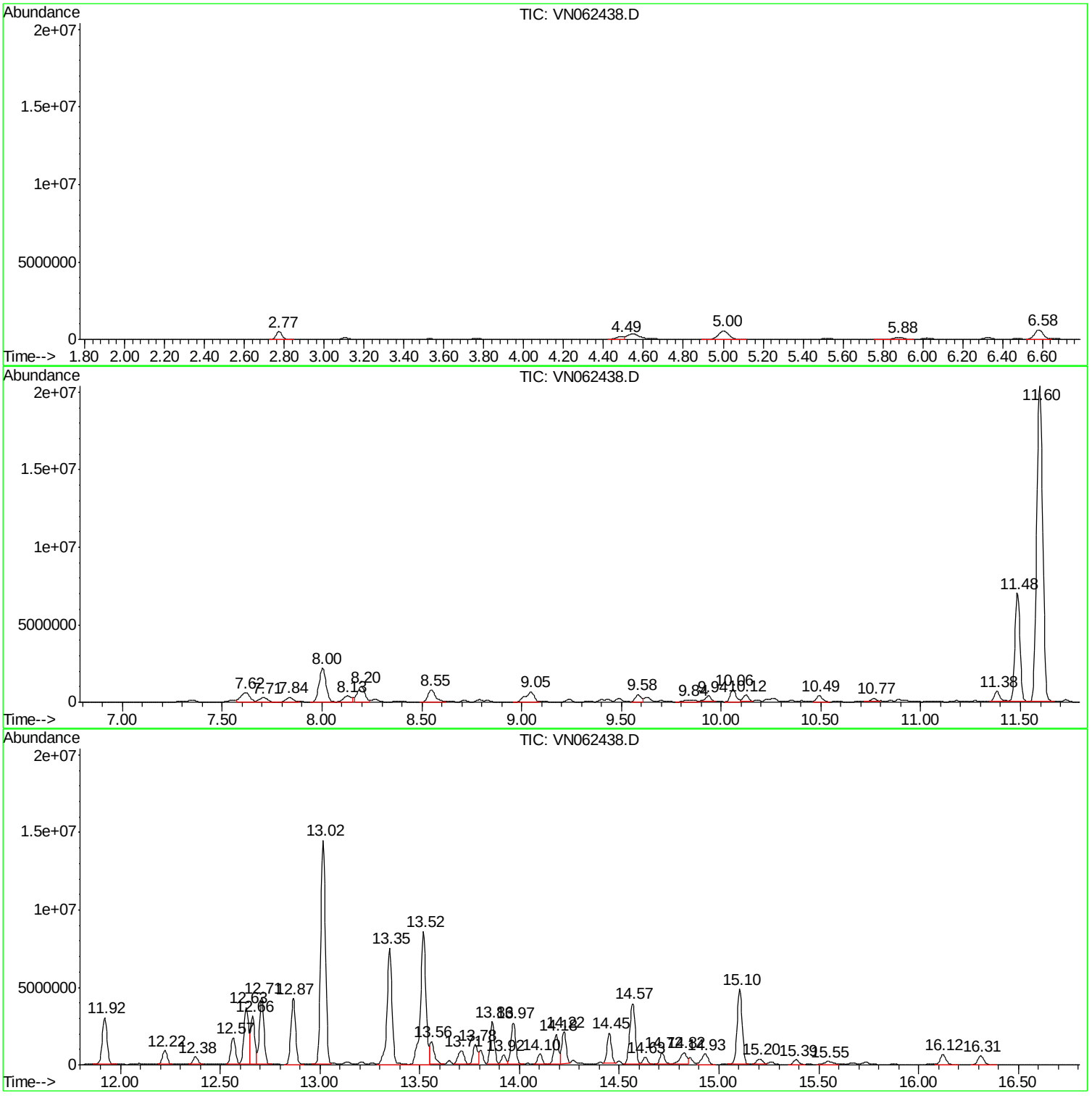
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.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\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

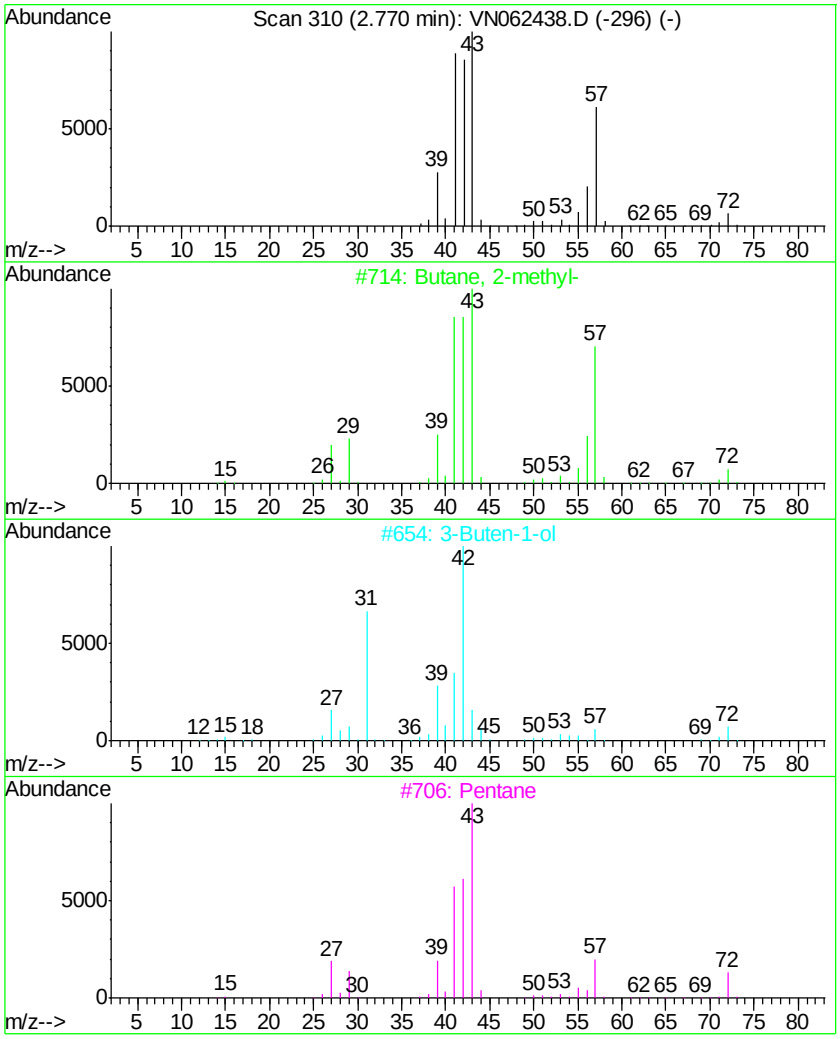
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

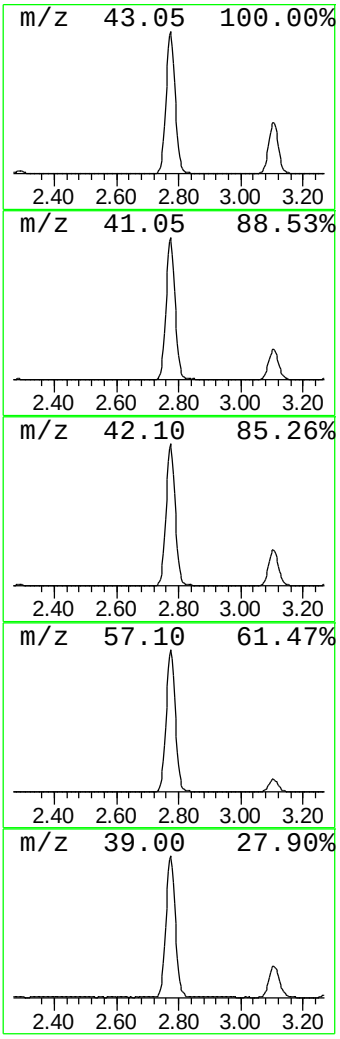
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	27.09 ug/l	1037600	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	38
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

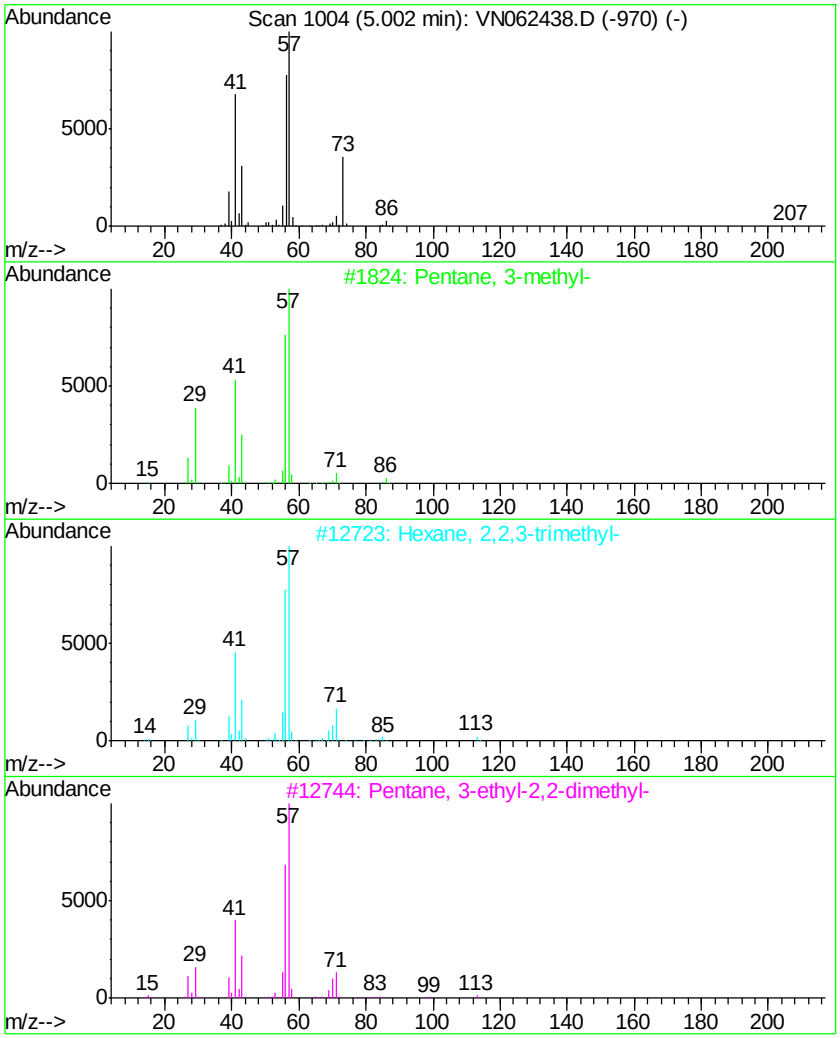
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

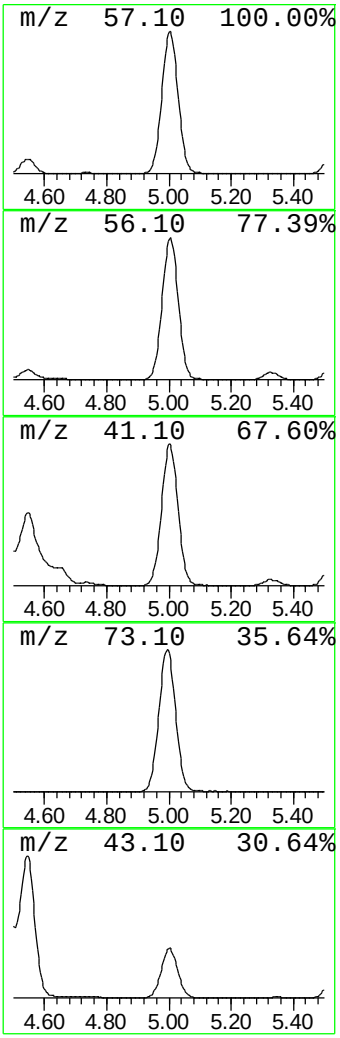
****

Peak Number 2 Pentane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	53.02 ug/l	2031190	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50
4	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	47
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

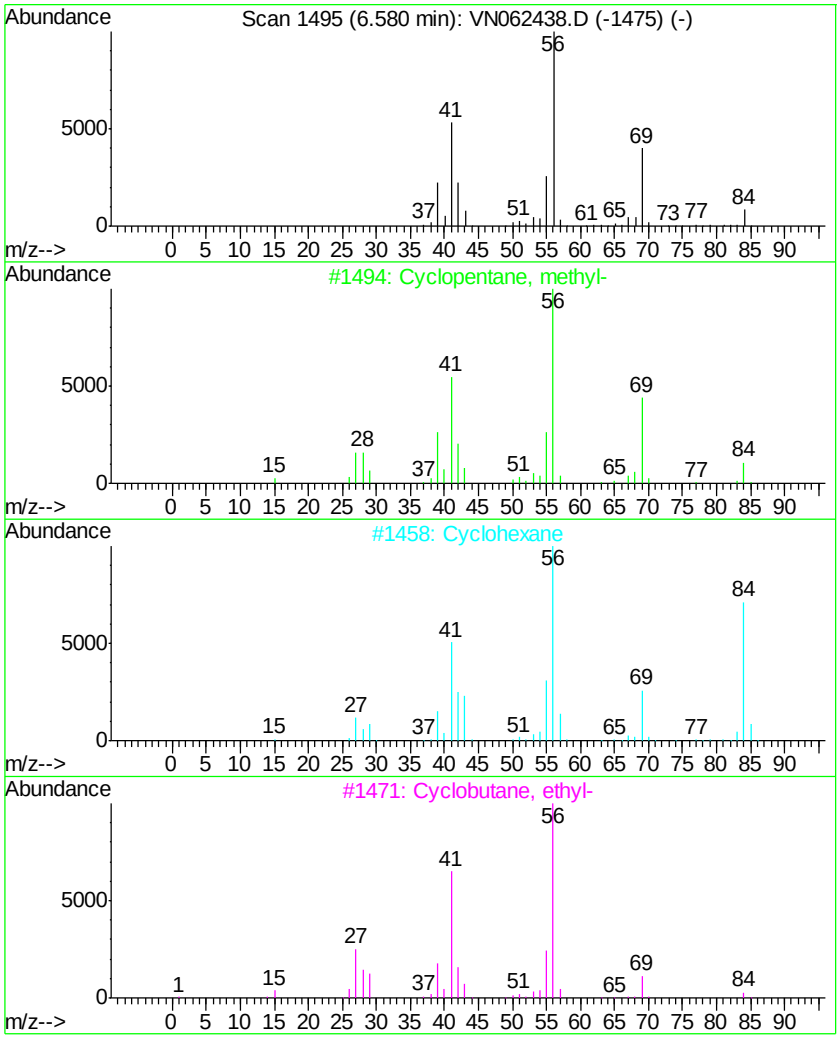
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

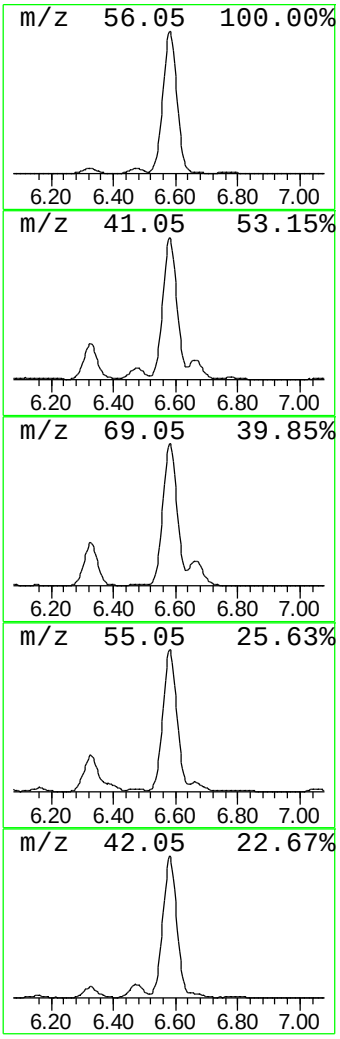
****

Peak Number 3 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	47.91 ug/l	1835490	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	83
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	Cyclopropane, propyl-	84	C6H12	002415-72-7	64
5	Cyclobutane, butyl-	112	C8H16	013152-44-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

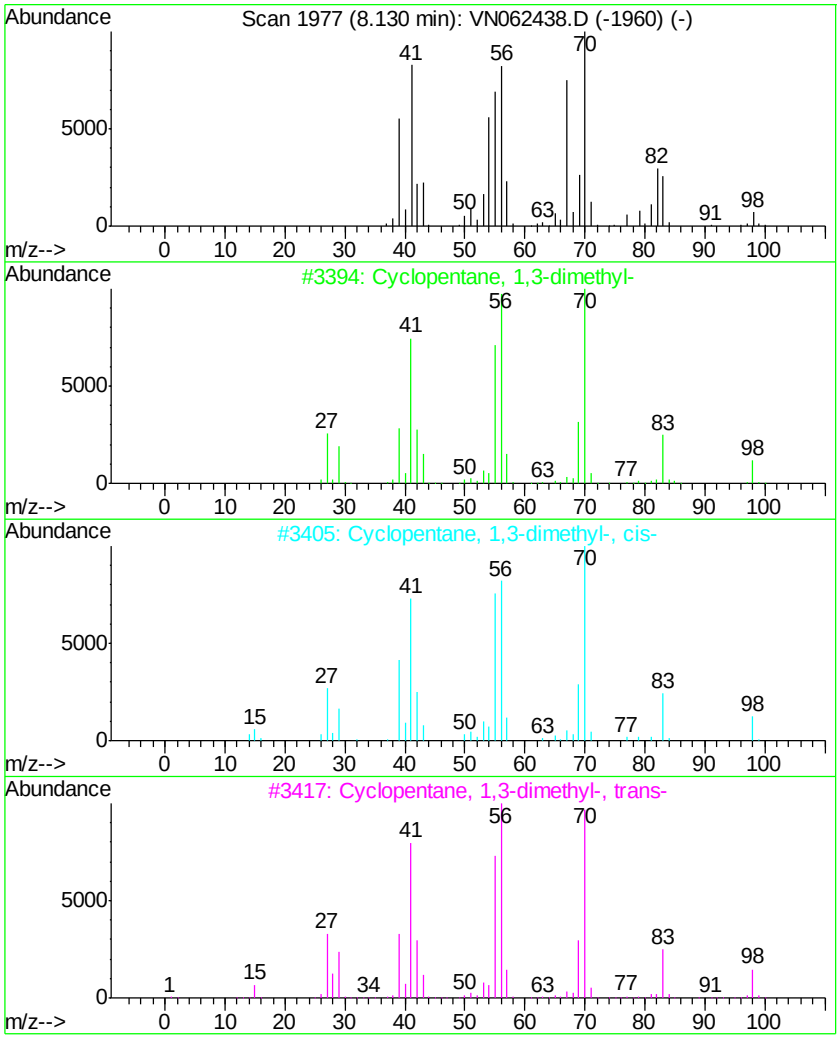
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

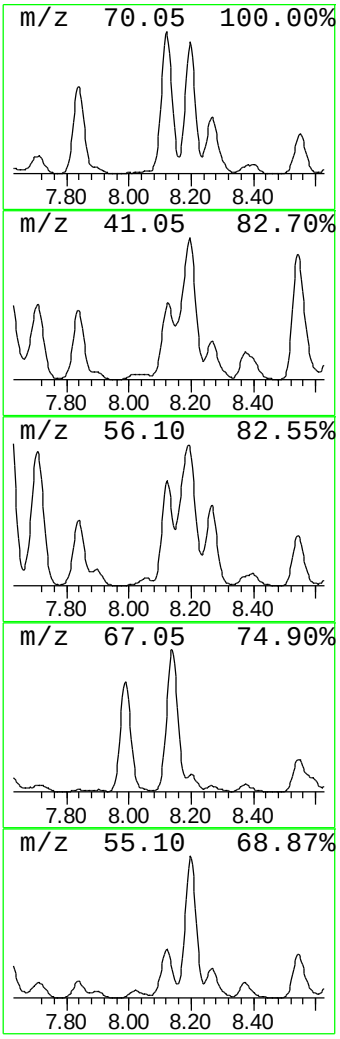
****

Peak Number 4 Cyclopentane, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	26.64 ug/l	1149210	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	60
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	53
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	49
4	Cyclohexene	82	C6H10	000110-83-8	35
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

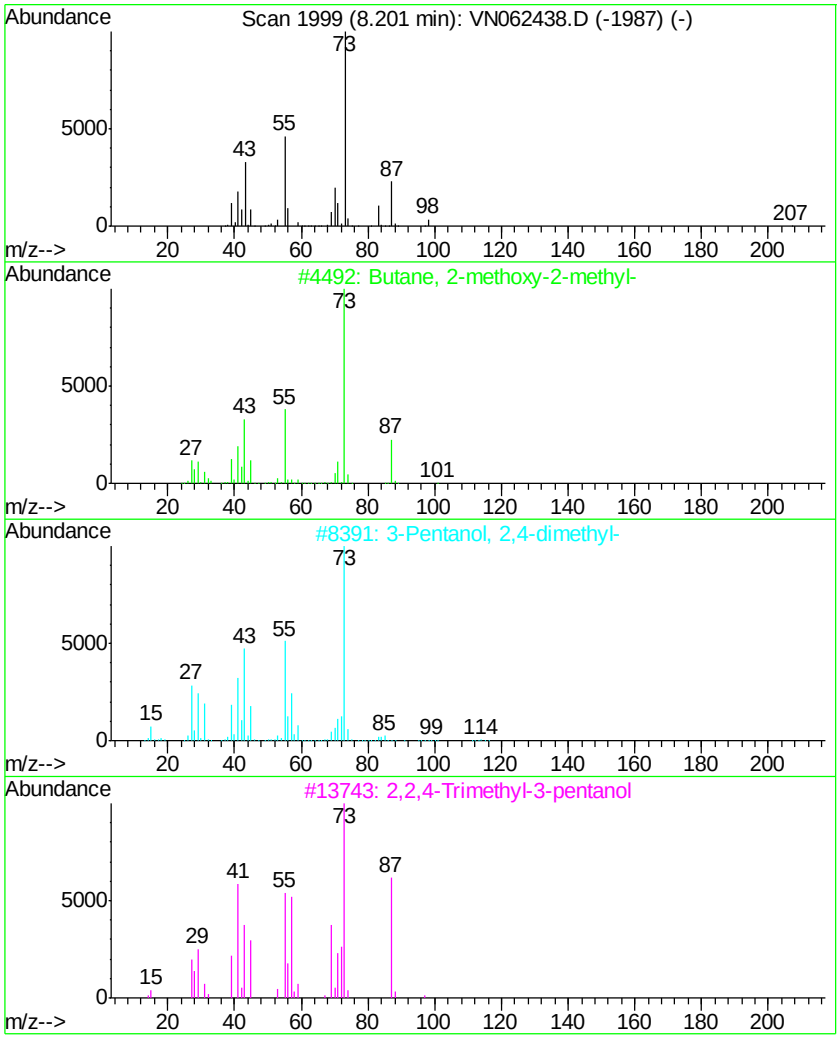
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

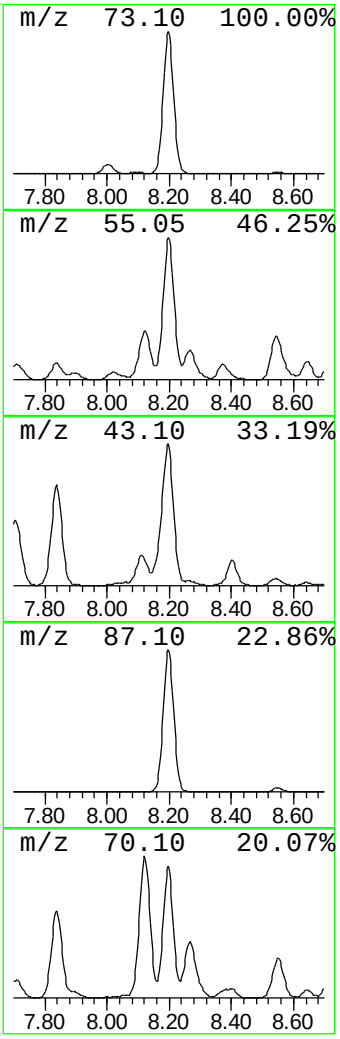
****

Peak Number 5 unknown8.20 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	61.09 ug/l	2635380	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	47
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	25
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	25
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

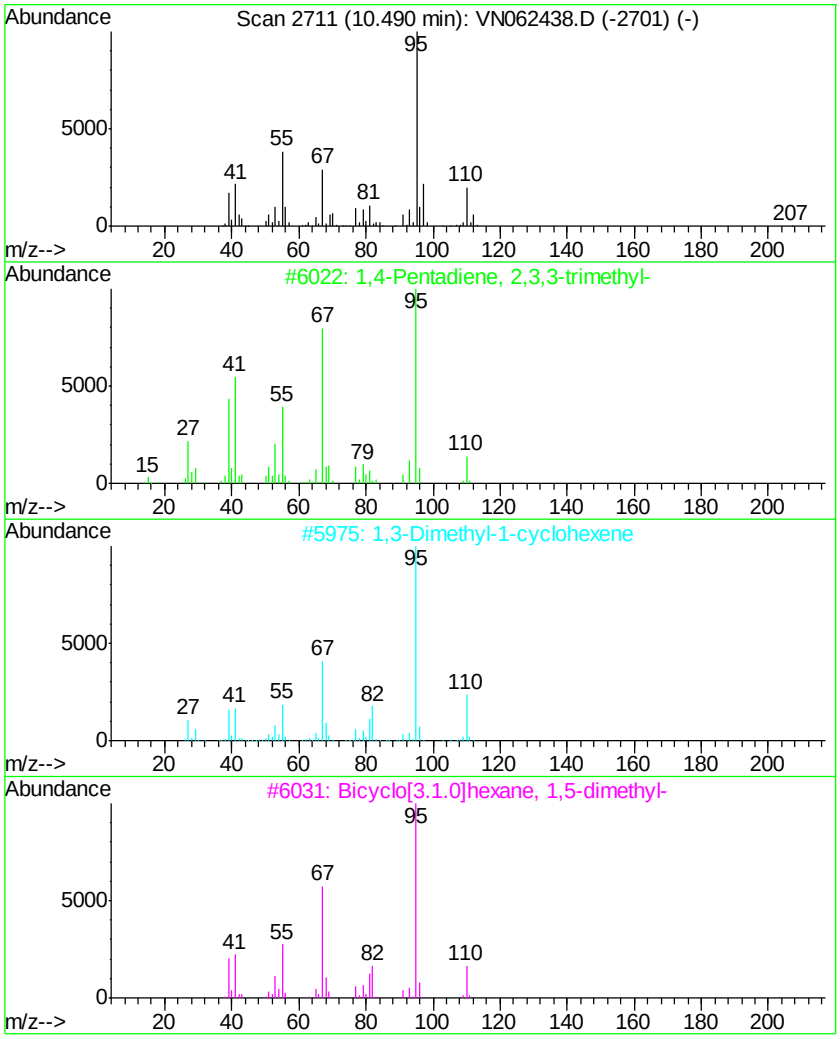
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

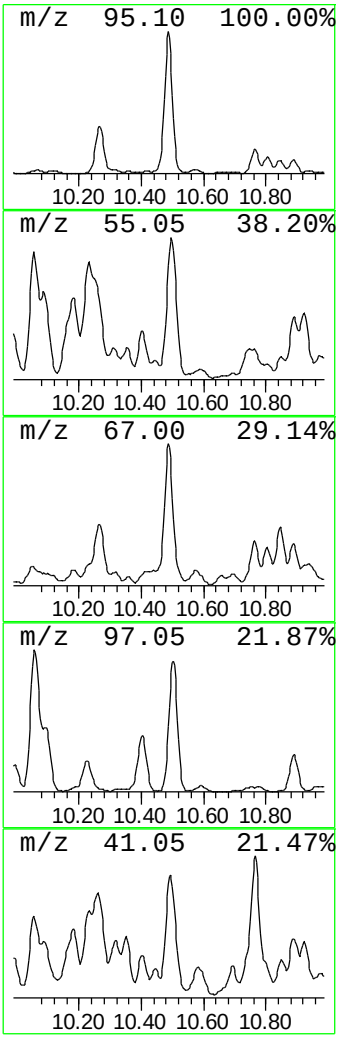
****

Peak Number 6 1,4-Pentadiene, 2,3,3-trime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	30.94 ug/l	862193	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	64
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	64
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	62
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

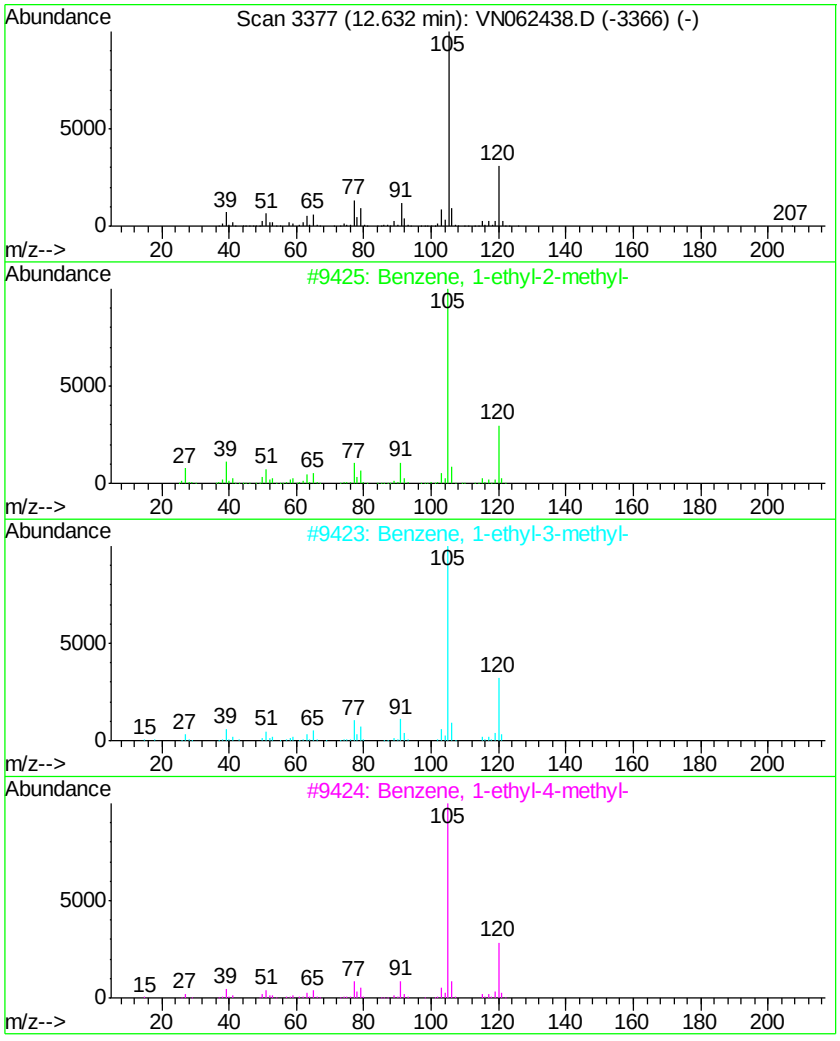
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

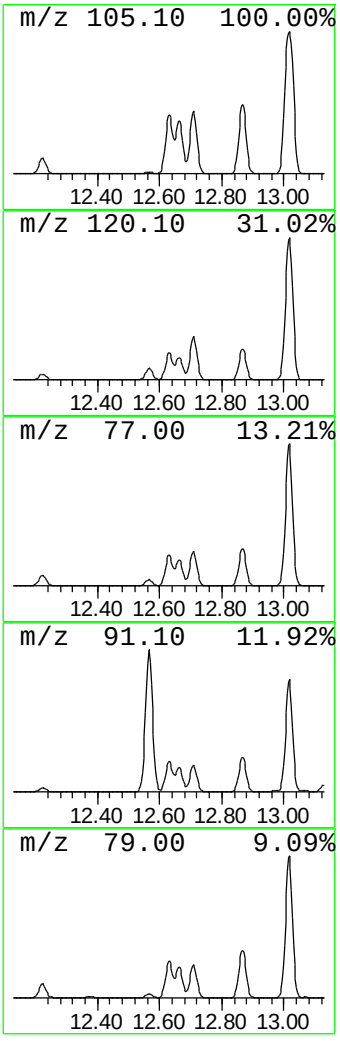
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	22.56 ug/l	6030240	1,4-Dichlorobenzene-d4	13.32

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

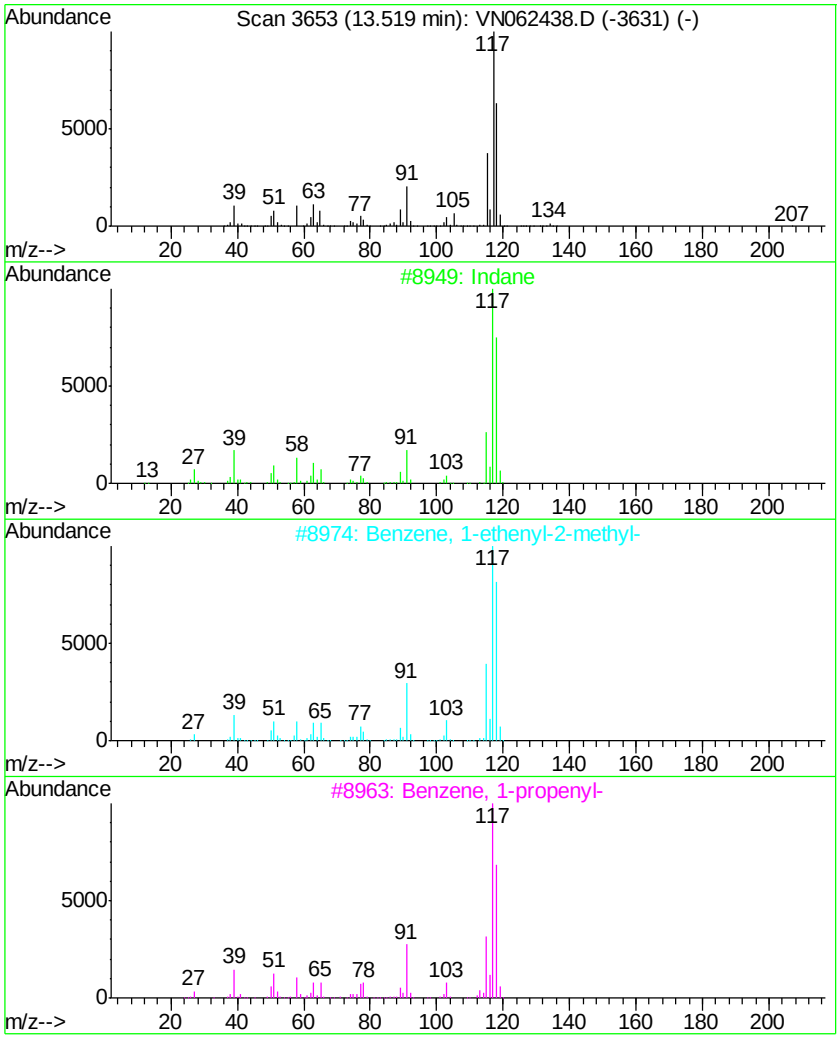
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

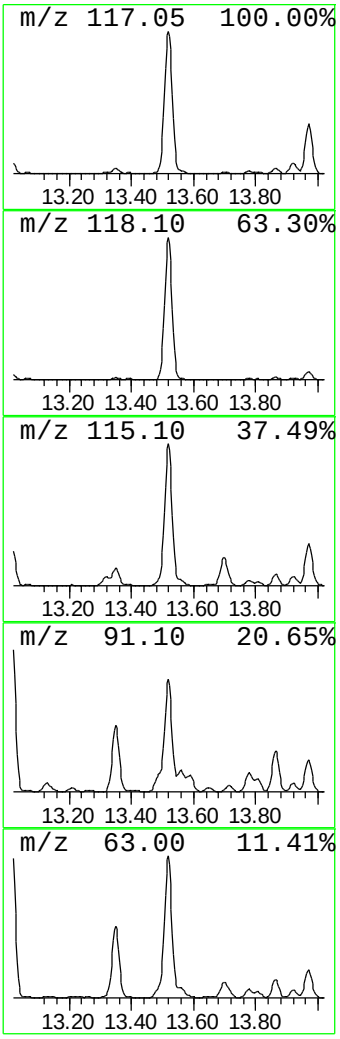
****

Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	62.15 ug/l	16611600	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	81
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

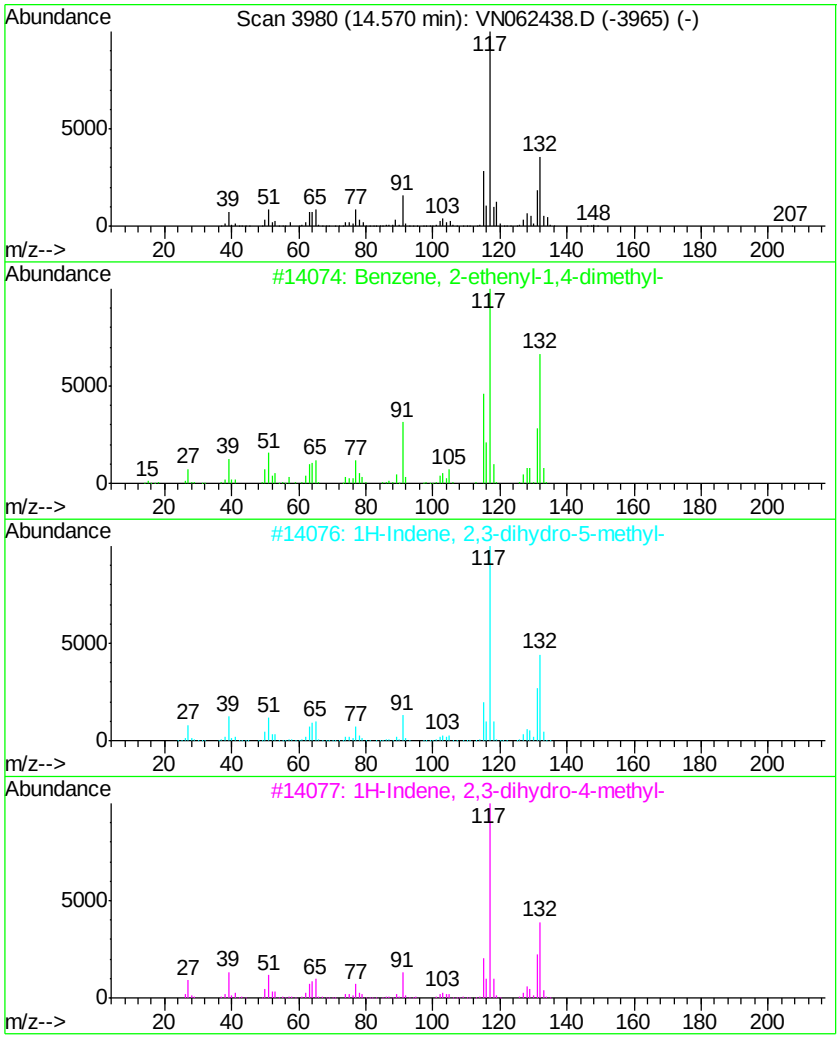
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260

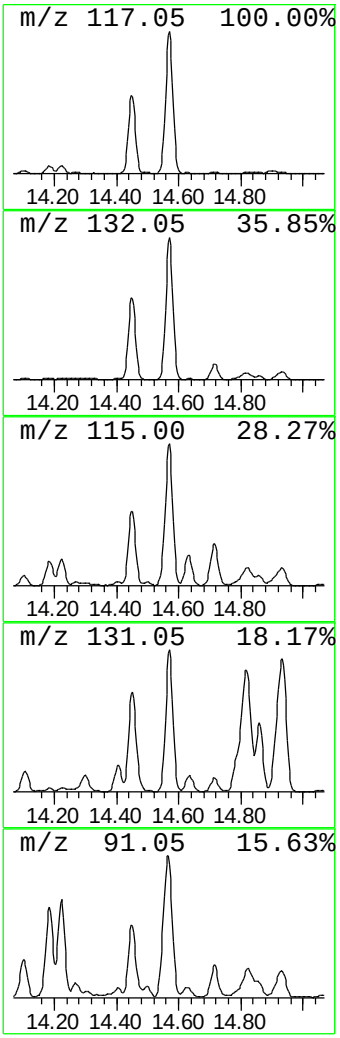
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	27.62 ug/l	7383990	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
Data File : VN062438.D
Acq On : 9 Jul 2020 4:47
Operator : JC/MD
Sample : L3215-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.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
Butane, 2-methyl-	2.77	27.1	ug/l	1037600	1	7.63	1915390	50.0
Pentane, 3-methyl-	5.00	53.0	ug/l	2031190	1	7.63	1915390	50.0
Cyclopentane, met...	6.58	47.9	ug/l	1835490	1	7.63	1915390	50.0
Cyclopentane, 1,3...	8.13	26.6	ug/l	1149210	2	8.55	2156880	50.0
unknown8.20	8.20	61.1	ug/l	2635380	2	8.55	2156880	50.0
1,4-Pentadiene, 2...	10.49	30.9	ug/l	862193	3	11.38	1393140	50.0
Benzene, 1-ethyl-...	12.63	22.6	ug/l	6030240	4	13.32	13365100	50.0
Indane	13.52	62.1	ug/l	16611600	4	13.32	13365100	50.0
Benzene, 2-etheny...	14.57	27.6	ug/l	7383990	4	13.32	13365100	50.0