LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

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\82N111820W.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	2.409	197	208	212	rBV3	16134	26450	1.73%	0.200%
2	3.756	611	627	631	rBV6	8147	17179	1.12%	0.130%
3	6.579	1488	1505	1525	rVB8	10859	32677	2.14%	0.247%
4	7.550	1788	1807	1818	rBV	183873	457740	29.93%	3.458%
5	7.624	1819	1830	1847	rVB	281059	668092	43.69%	5.047%
6	7.987	1924	1943	1967	rBV	221481	527191	34.47%	3.983%
7	8.171	1973	2000	2017	rBV2	39919	122343	8.00%	0.924%
8	8.550	2102	2118	2140	rBV	514161	1080028	70.62%	8.159%
9	9.049	2267	2273	2284	rVB9	15102	26754	1.75%	0.202%
10	9.106	2284	2291	2304	rVB9	8336	16564	1.08%	0.125%
11	9.486	2397	2409	2426	rVB4	47670	96381	6.30%	0.728%
12	9.621	2430	2451	2466	rBV2	81167	190858	12.48%	1.442%
13	9.994	2556	2567	2573	rBV4	25137	42905	2.81%	0.324%
14	10.058	2574	2587	2611	rVB	840882	1529296	100.00%	11.553%
15	10.489	2708	2721	2736	rVB6	17726	39911	2.61%	0.302%
16	11.380	2983	2998	3014	rBV	840123	1478561	96.68%	11.170%
17	11.483	3021	3030	3043	rVB	37301	67829	4.44%	0.512%
18	11.602	3058	3067	3082	rVB3	12802	25284	1.65%	0.191%
19	12.222	3245	3260	3273	rBV	272235	445679	29.14%	3.367%
20	12.373	3291	3307	3326	rBV	681395	1156398	75.62%	8.736%
21	12.566	3354	3367	3383	rVV	418342	675579	44.18%	5.104%
22	12.663	3387	3397	3404	rVV	77289	128914	8.43%	0.974%
23	12.708	3404	3411	3423	rVB	63087	101532	6.64%	0.767%
24	12.865	3451	3460	3468	rVB2	12226	18863	1.23%	0.143%
25	13.013	3498	3506	3515	rVB3	14801	21580	1.41%	0.163%
26	13.138	3528	3545	3559	rBV4	47236	118861	7.77%	0.898%
27	13.315	3587	3600	3624	rBV	841296	1486342	97.19%	11.229%
28	13.486	3642	3653	3657	rBV2	119818	180556	11.81%	1.364%
29	13.515	3658	3662	3670	rVV	112741	175544	11.48%	1.326%
30	13.563	3670	3677	3695	rVV4	81925	199814	13.07%	1.510%
31	13.643	3695	3702	3712	rVB4	24464	38191	2.50%	0.289%
32	13.714	3714	3724	3735	rVB2	44626	69235	4.53%	0.523%
33	13.775	3735	3743	3755	rVB3	10396	17227	1.13%	0.130%
34	13.862	3758	3770	3780	rBV	210824	342701	22.41%	2.589%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

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\82N111820W.M
Title : SW846 8260

35	13.920	3780	3788	3794	rVV	32664	52994	3.47%	0.400%
36	13.968	3794	3803	3814	rVB3	94420	155872	10.19%	1.178%
37	14.183	3856	3870	3878	rBV	173481	293384	19.18%	2.216%
38	14.222	3878	3882	3889	rVV2	42986	55799	3.65%	0.422%
39	14.267	3889	3896	3902	rVB2	13491	19617	1.28%	0.148%
40	14.341	3910	3919	3927	rBV4	21189	32000	2.09%	0.242%
41	14.447	3943	3952	3963	rBV2	67035	107283	7.02%	0.810%
42	14.566	3975	3989	4001	rBV2	183350	365575	23.90%	2.762%
43	14.627	4001	4008	4019	rVB5	17304	30854	2.02%	0.233%
44	14.714	4026	4035	4043	rBV9	11719	17901	1.17%	0.135%
45	14.823	4047	4069	4076	rBV4	47698	112510	7.36%	0.850%
46	14.929	4088	4102	4113	rVB5	42438	88589	5.79%	0.669%
47	15.103	4147	4156	4165	rVB2	25407	45662	2.99%	0.345%
48	15.216	4180	4191	4196	rBV9	14363	25802	1.69%	0.195%
49	15.383	4234	4243	4256	rBV3	23559	40691	2.66%	0.307%
50	15.543	4277	4293	4300	rBV10	14450	32786	2.14%	0.248%
51	15.666	4321	4331	4340	rBV9	12445	23128	1.51%	0.175%
52	15.733	4340	4352	4362	rVB6	14256	28811	1.88%	0.218%
53	15.871	4387	4395	4405	rBV9	10052	17901	1.17%	0.135%
54	16.119	4465	4472	4484	rVB9	9983	19008	1.24%	0.144%
55	16.305	4517	4530	4544	rBV	21936	47587	3.11%	0.360%

Sum of corrected areas: 13236813

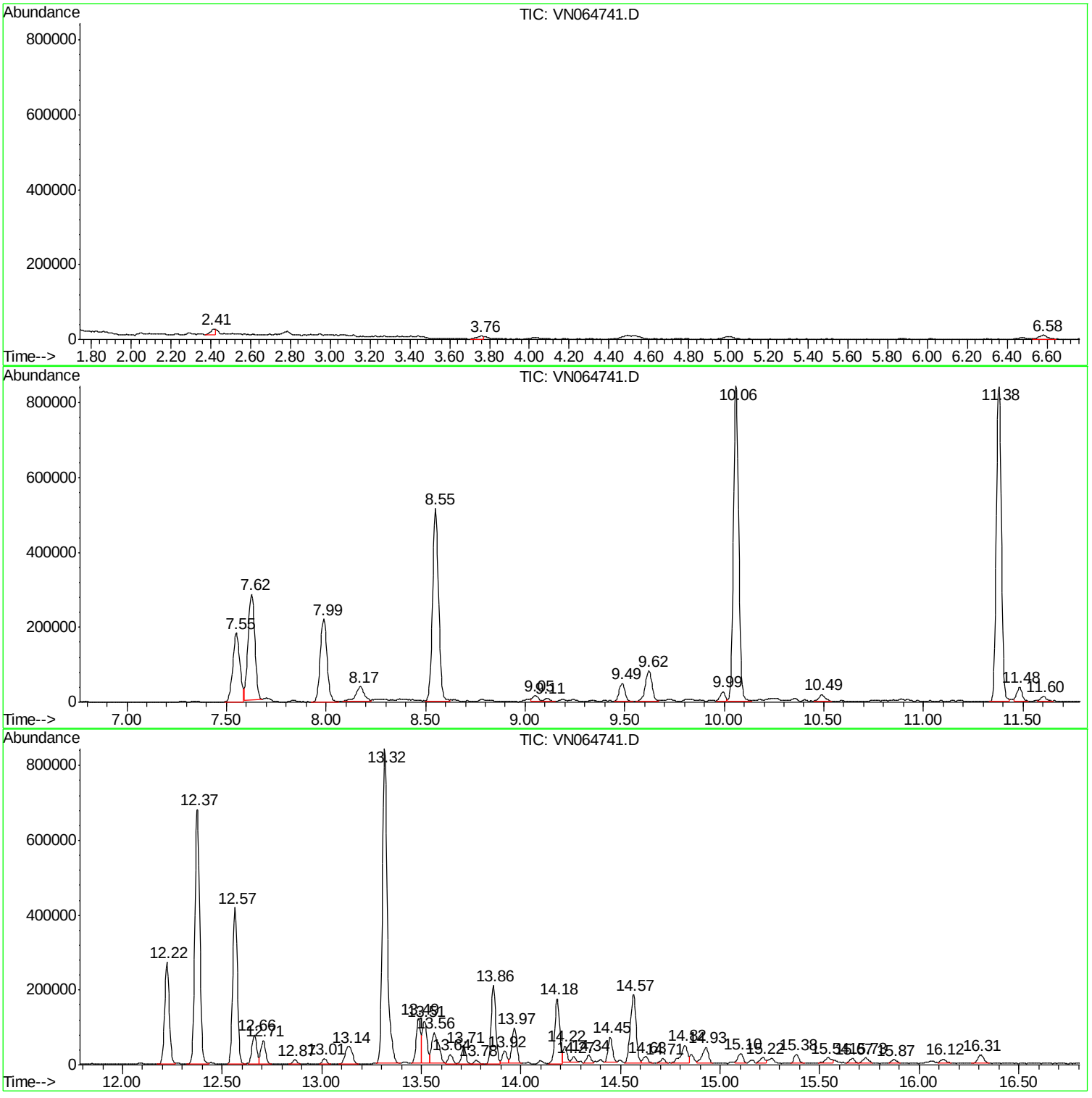
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.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\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

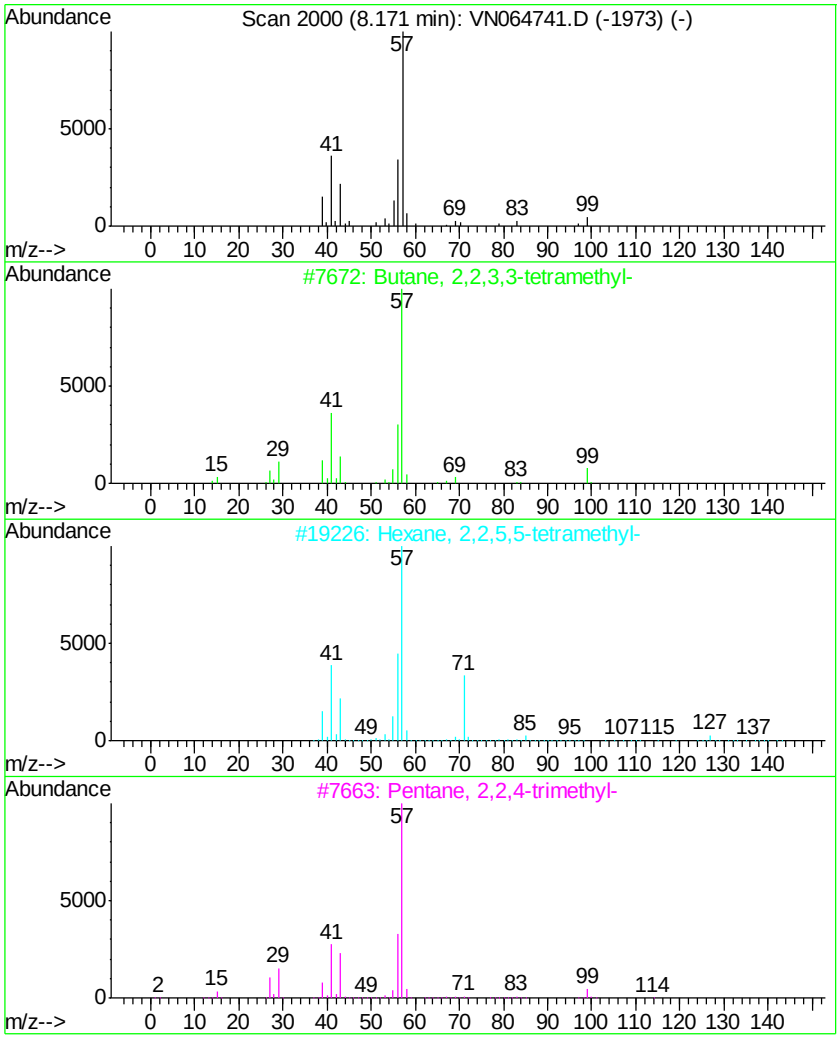
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

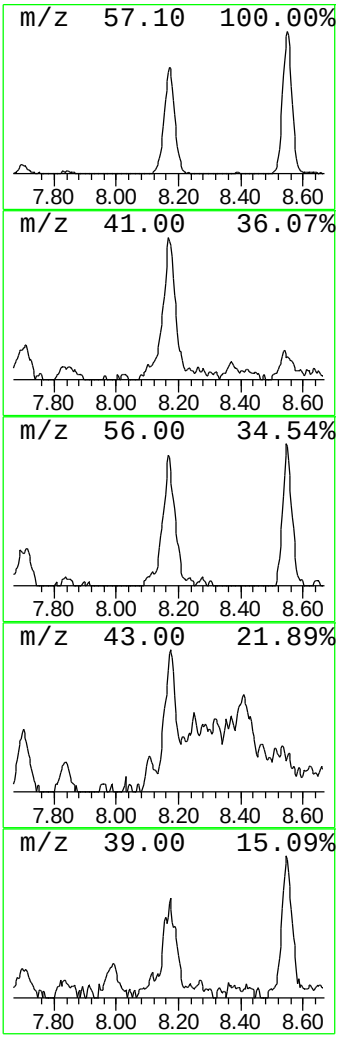
****

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	5.66 ug/l	122343	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
4	4-Bromoheptane	178	C7H15Br	000998-93-6	47
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

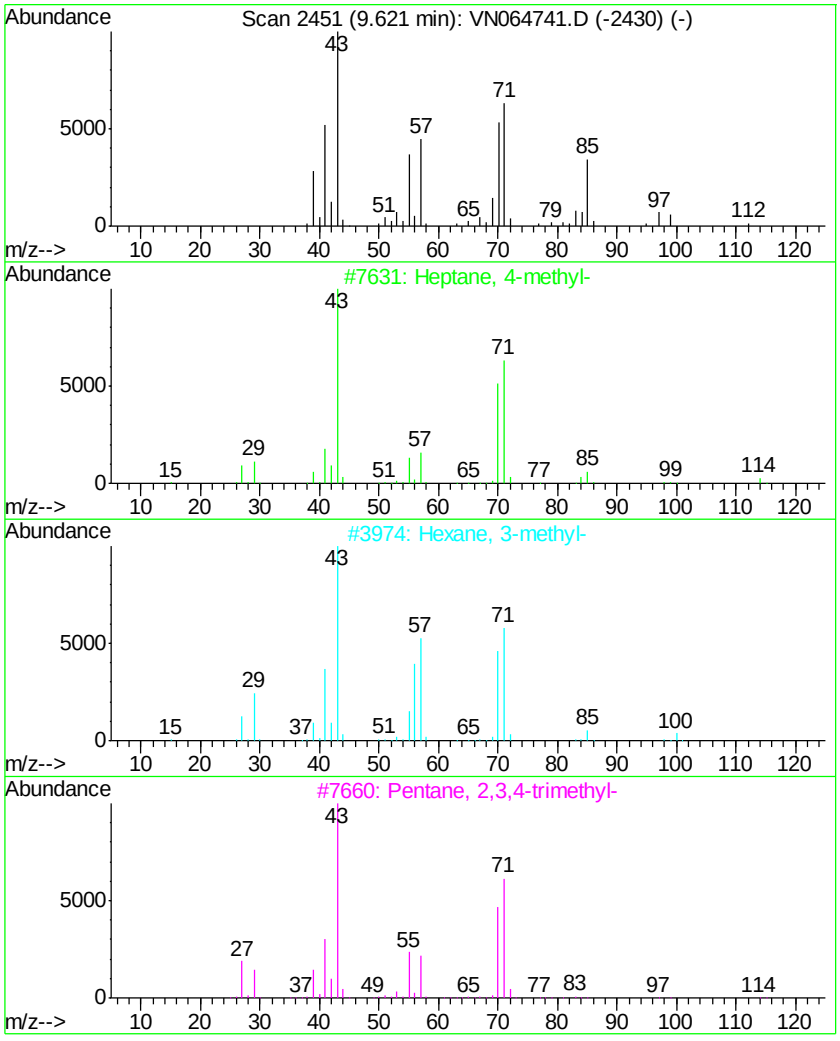
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

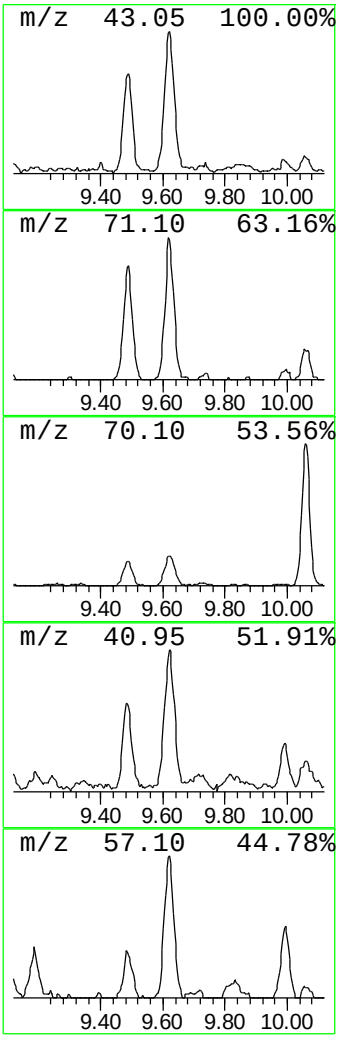
****

Peak Number 2 Heptane, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	8.84 ug/l	190858	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5	Butane, 1-bromo-3-methyl-	150	C5H11Br	000107-82-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

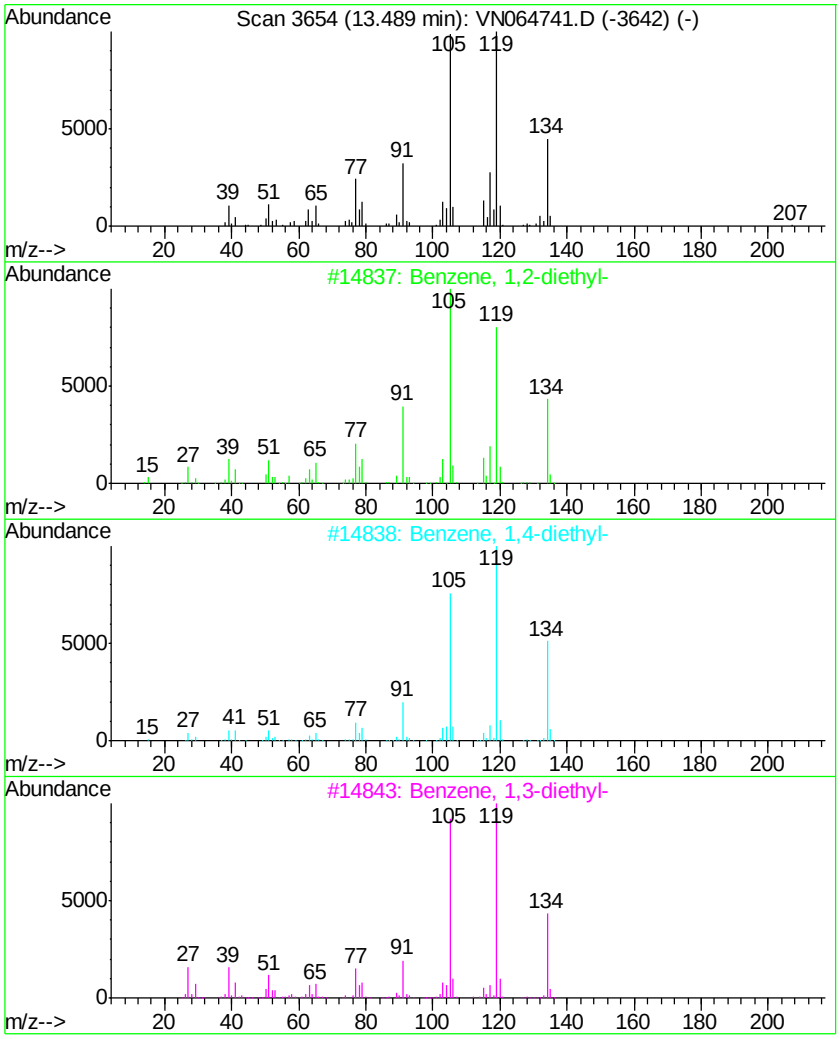
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

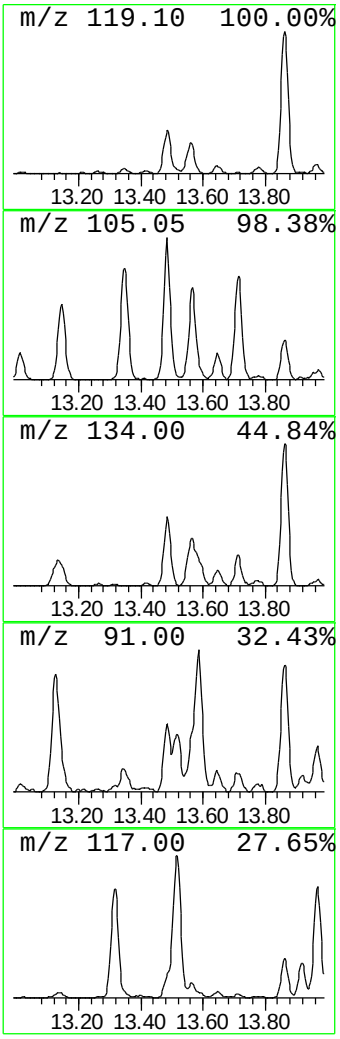
****

Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	6.07 ug/l	180556	1,4-Dichlorobenzene-d4	13.32

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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

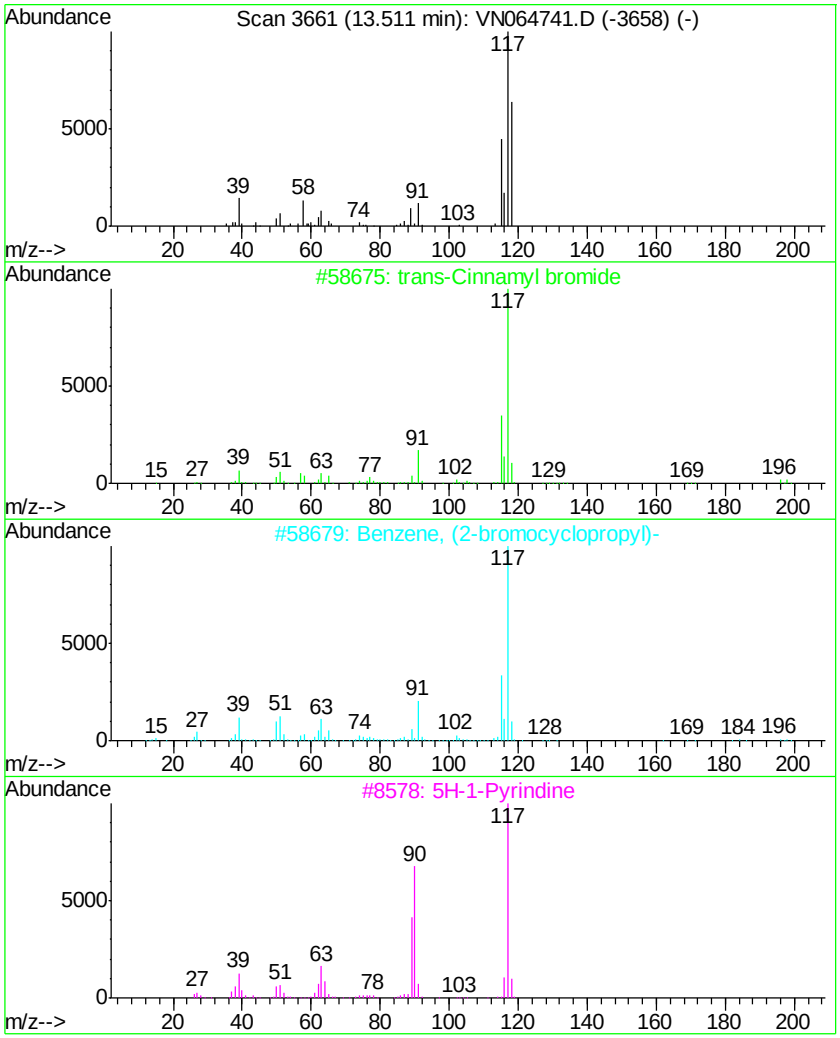
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

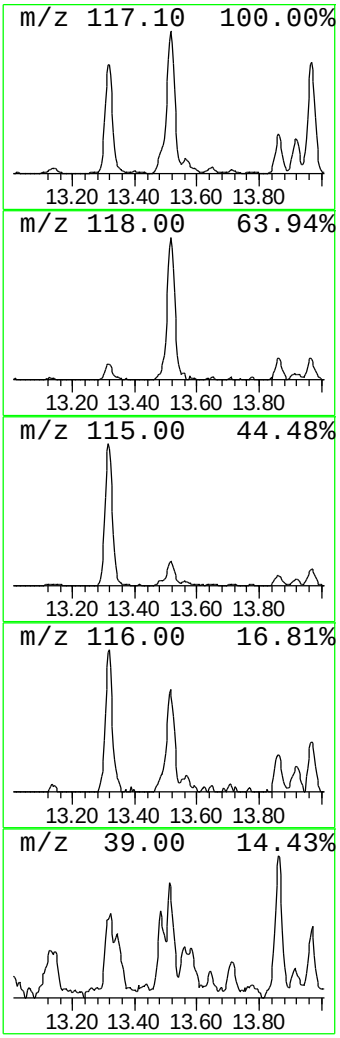
****

Peak Number 4 trans-Cinnamyl bromide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	5.91 ug/l	175544	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	59
2	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	45
3	5H-1-Pyrindine	117	C8H7N	000270-91-7	43
4	2,4-Dicyanopyrrole	117	C6H3N3	074023-87-3	25
5	Indolizine	117	C8H7N	000274-40-8	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

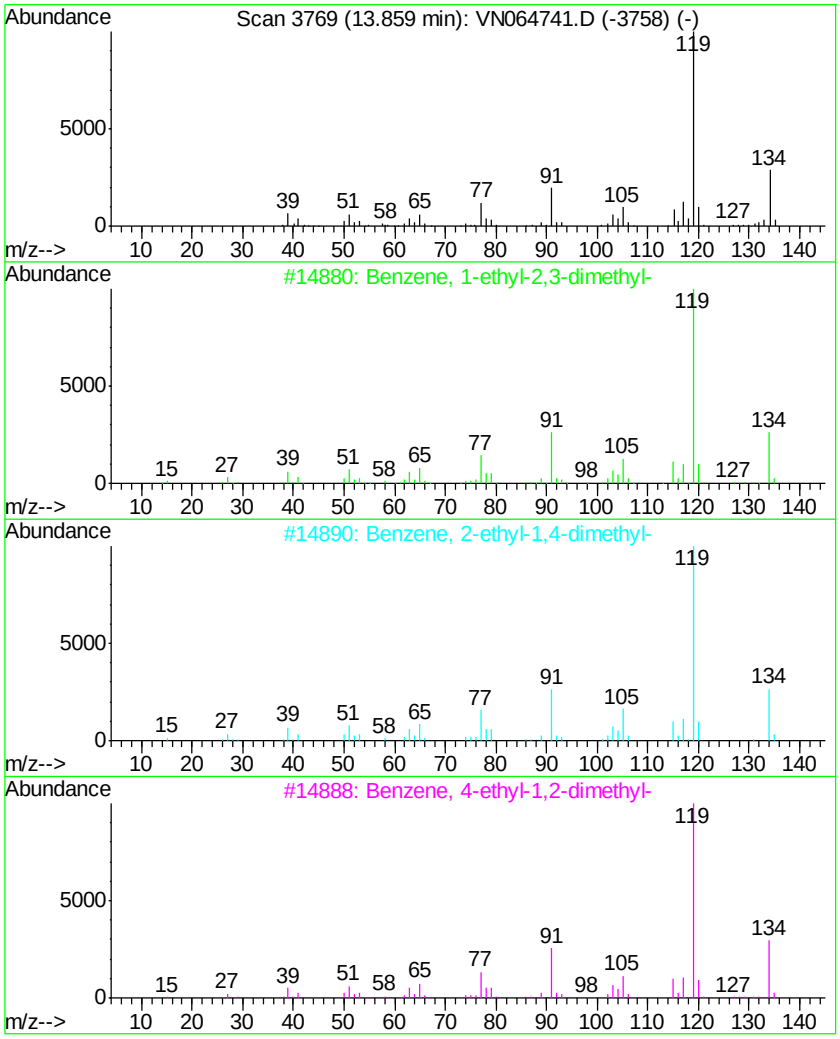
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

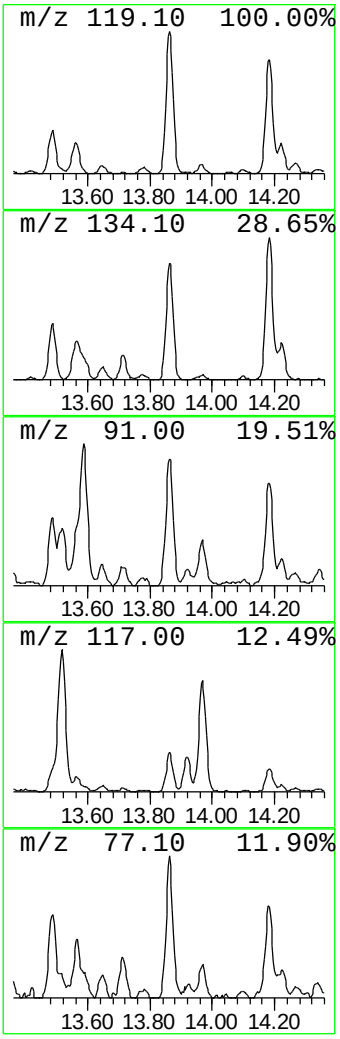
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	11.53 ug/l	342701	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

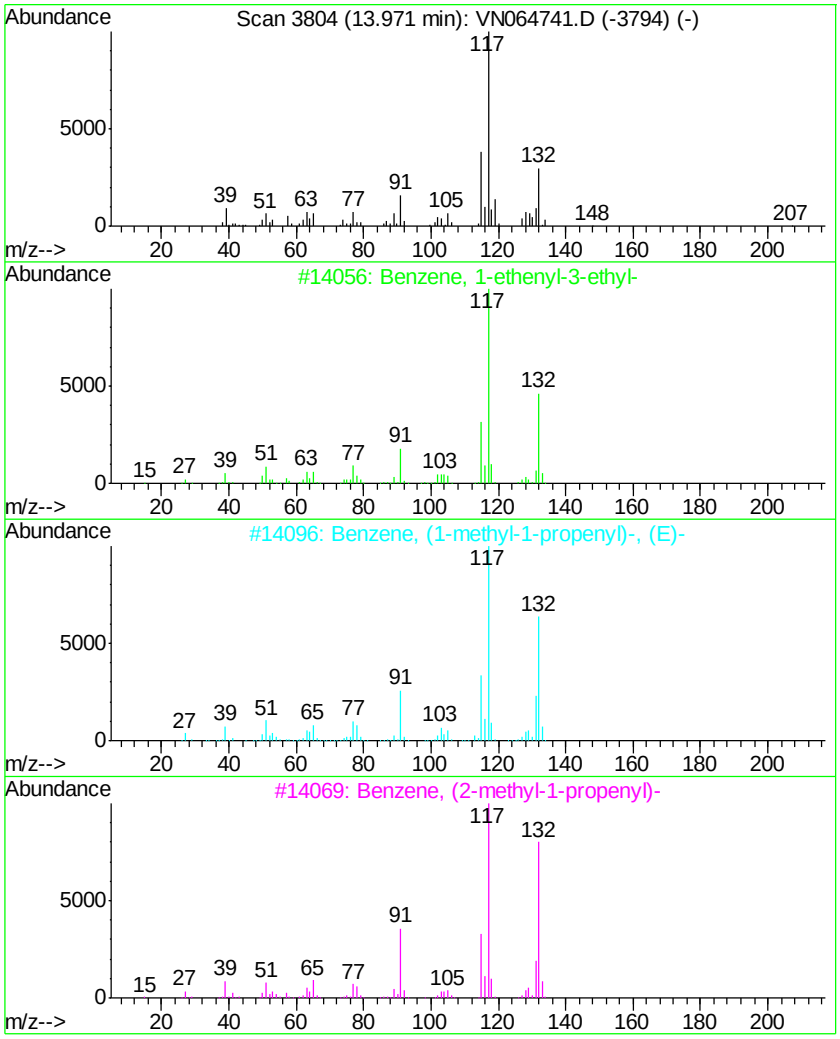
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

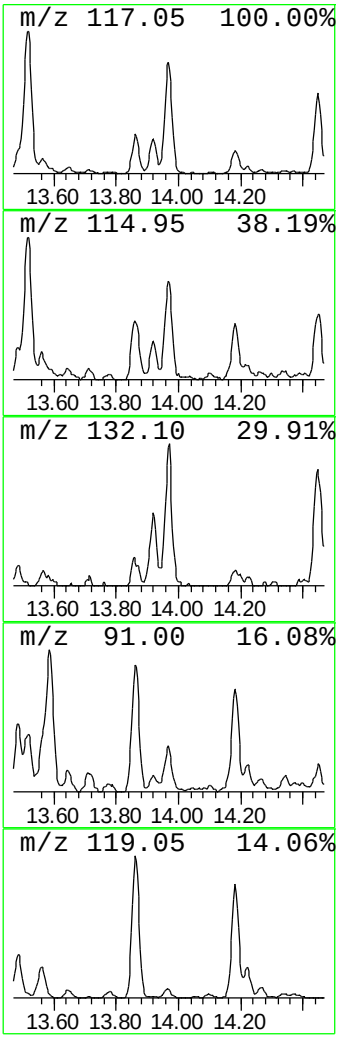
****

Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	5.24 ug/l	155872	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	80
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

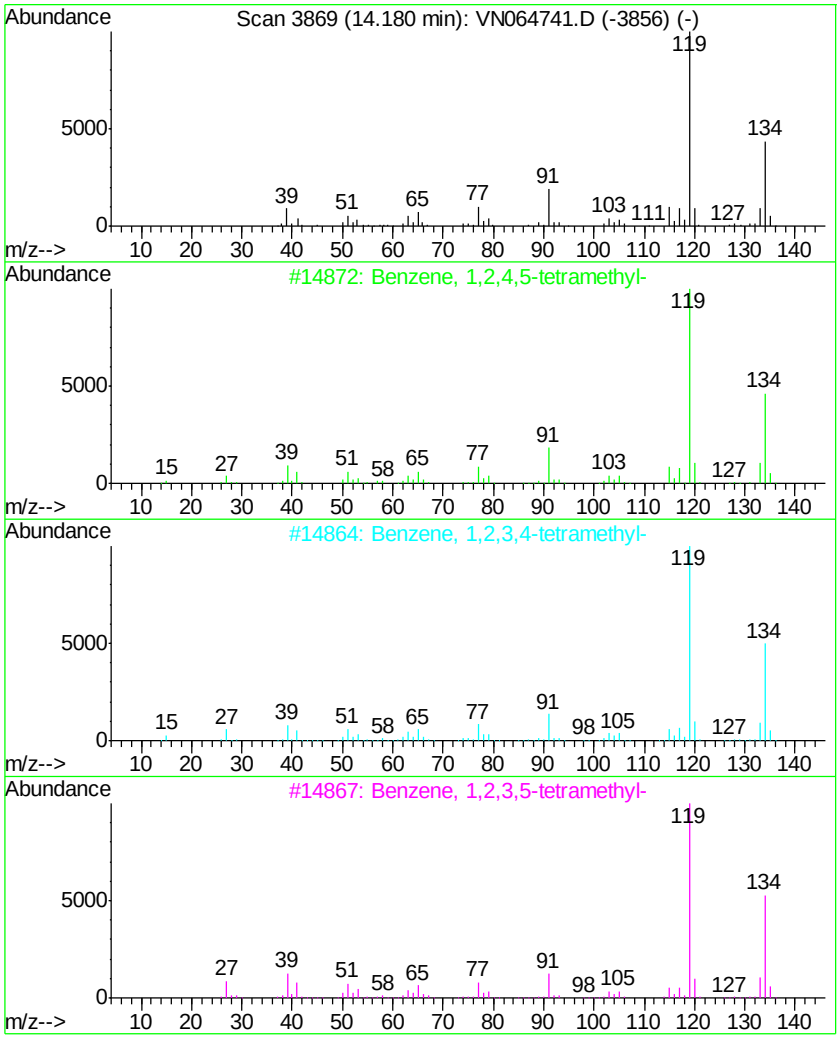
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

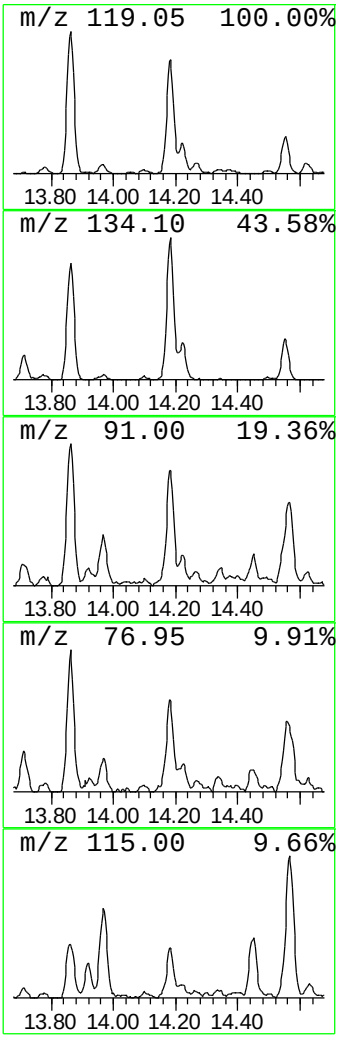
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	9.87 ug/l	293384	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

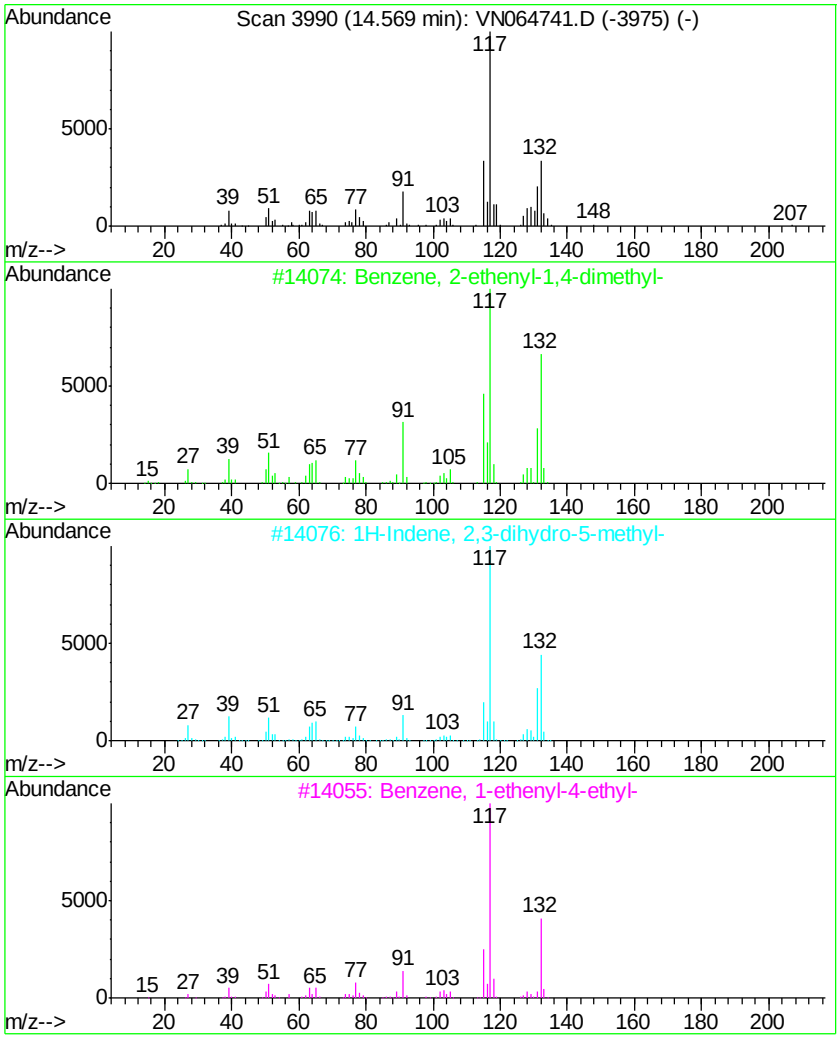
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

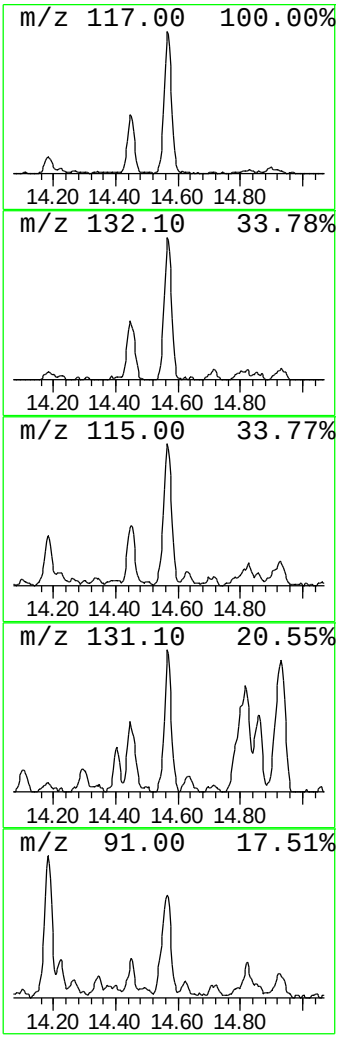
****

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	12.30 ug/l	365575	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	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	74
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064741.D
Acq On : 19 Nov 2020 18:26
Operator : JC/MD
Sample : L4783-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.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, 2,2,3,3-t...	8.17	5.7	ug/l	122343	2	8.55	1080030	50.0
Heptane, 4-methyl-	9.62	8.8	ug/l	190858	2	8.55	1080030	50.0
Benzene, 1,2-diet...	13.49	6.1	ug/l	180556	4	13.32	1486340	50.0
trans-Cinnamyl br...	13.51	5.9	ug/l	175544	4	13.32	1486340	50.0
Benzene, 1-ethyl-...	13.86	11.5	ug/l	342701	4	13.32	1486340	50.0
Benzene, 1-etheny...	13.97	5.2	ug/l	155872	4	13.32	1486340	50.0
Benzene, 1,2,4,5-...	14.18	9.9	ug/l	293384	4	13.32	1486340	50.0
Benzene, 2-etheny...	14.57	12.3	ug/l	365575	4	13.32	1486340	50.0