LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_V\METHOD\SOMVLM092920WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.315	63	70	83	rVB	140898	138067	11.26%	1.065%
2	1.579	144	152	167	rBV	135273	156359	12.75%	1.206%
3	2.123	310	321	352	rVB	281055	441882	36.03%	3.408%
4	2.547	434	453	470	rVV2	35504	77207	6.29%	0.595%
5	2.782	511	526	552	rVB3	49746	103365	8.43%	0.797%
6	3.061	598	613	637	rBV	185540	372426	30.36%	2.872%
7	3.357	703	705	712	rBV3	569	764	0.06%	0.006%
8	3.563	755	769	788	rVB3	8146	23002	1.88%	0.177%
9	3.698	794	811	824	rBV6	6389	17257	1.41%	0.133%
10	3.791	824	840	862	rVB4	12649	34801	2.84%	0.268%
11	3.917	868	879	916	rBV2	103072	325349	26.53%	2.509%
12	4.376	1005	1022	1051	rVV	196847	482828	39.36%	3.724%
13	4.704	1115	1124	1133	rBV7	1385	2579	0.21%	0.020%
14	5.071	1219	1238	1265	rBV2	479170	1226547	100.00%	9.460%
15	5.524	1373	1379	1380	rBV5	797	800	0.07%	0.006%
16	5.640	1402	1415	1439	rBV	450948	895201	72.99%	6.904%
17	5.939	1491	1508	1535	rVV3	239626	498104	40.61%	3.842%
18	6.093	1539	1556	1587	rBV	274569	560601	45.71%	4.324%
19	6.222	1592	1596	1599	rBV3	802	785	0.06%	0.006%
20	6.675	1728	1737	1749	rVB7	2506	5052	0.41%	0.039%
21	6.801	1765	1776	1786	rBV5	3231	6740	0.55%	0.052%
22	6.855	1786	1793	1795	rBV4	1254	1242	0.10%	0.010%
23	6.939	1811	1819	1828	rBV5	4493	8449	0.69%	0.065%
24	7.007	1829	1840	1862	rVV	159613	283967	23.15%	2.190%
25	7.283	1914	1926	1932	rBV4	9039	17040	1.39%	0.131%
26	7.338	1932	1943	1975	rVB	585240	1004059	81.86%	7.744%
27	7.589	2012	2021	2028	rBV3	8570	13935	1.14%	0.107%
28	7.643	2028	2038	2061	rVB	115583	203008	16.55%	1.566%
29	7.810	2085	2090	2100	rVB7	1395	2306	0.19%	0.018%
30	7.894	2110	2116	2125	rBV5	1689	3160	0.26%	0.024%
31	8.003	2141	2150	2156	rVB6	2134	2459	0.20%	0.019%
32	8.109	2172	2183	2214	rBV2	300041	582451	47.49%	4.492%
33	8.370	2257	2264	2273	rBV5	2623	3903	0.32%	0.030%
34	8.588	2326	2332	2335	rBV4	2035	2209	0.18%	0.017%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_V\METHOD\SOMVLM092920WMA.M
Title : VOC Analysis

35	8.688	2357	2363	2373	rVB7	2558	4143	0.34%	0.032%
36	8.810	2391	2401	2409	rBV6	1953	2862	0.23%	0.022%
37	8.871	2409	2420	2445	rBV	694403	1124002	91.64%	8.669%
38	9.032	2462	2470	2480	rVB7	2343	4047	0.33%	0.031%
39	9.167	2504	2512	2521	rVB6	3805	6428	0.52%	0.050%
40	9.228	2521	2531	2546	rVB7	5042	10011	0.82%	0.077%
41	9.498	2607	2615	2621	rVB3	2266	3023	0.25%	0.023%
42	9.691	2670	2675	2677	rBV3	1024	942	0.08%	0.007%
43	9.733	2681	2688	2694	rVB7	2663	3849	0.31%	0.030%
44	9.791	2698	2706	2709	rBV7	969	1052	0.09%	0.008%
45	9.823	2709	2716	2725	rVB6	2508	4381	0.36%	0.034%
46	9.952	2747	2756	2768	rBV2	2976	5022	0.41%	0.039%
47	10.035	2775	2782	2790	rBV6	2953	4582	0.37%	0.035%
48	10.145	2809	2816	2828	rVB2	9194	14827	1.21%	0.114%
49	10.238	2831	2845	2864	rBV	357435	579575	47.25%	4.470%
50	10.376	2879	2888	2902	rVB	19965	31329	2.55%	0.242%
51	10.469	2907	2917	2934	rBV	64294	144067	11.75%	1.111%
52	10.559	2937	2945	2952	rBV2	34879	50016	4.08%	0.386%
53	10.759	2997	3007	3016	rBV	18880	29918	2.44%	0.231%
54	10.855	3027	3037	3043	rBV8	1913	3066	0.25%	0.024%
55	10.936	3045	3062	3084	rVB	104852	172176	14.04%	1.328%
56	11.055	3091	3099	3101	rBV4	2960	3693	0.30%	0.028%
57	11.174	3126	3136	3143	rBV8	7173	12629	1.03%	0.097%
58	11.215	3143	3149	3155	rVB5	4718	6324	0.52%	0.049%
59	11.270	3155	3166	3185	rBV	782444	1192016	97.18%	9.193%
60	11.357	3186	3193	3202	rBV2	17949	27153	2.21%	0.209%
61	11.485	3229	3233	3241	rVB5	3345	3818	0.31%	0.029%
62	11.569	3246	3259	3261	rBV6	13483	21209	1.73%	0.164%
63	11.595	3262	3267	3273	rVV	36711	52541	4.28%	0.405%
64	11.646	3273	3283	3308	rVB	708705	1173770	95.70%	9.053%
65	11.810	3327	3334	3339	rBV2	14824	19077	1.56%	0.147%
66	11.932	3364	3372	3376	rBV	23847	32758	2.67%	0.253%
67	12.039	3396	3405	3421	rVB	49292	75873	6.19%	0.585%
68	12.145	3426	3438	3440	rBV8	3144	5077	0.41%	0.039%
69	12.183	3442	3450	3466	rVB5	10966	24221	1.97%	0.187%
70	12.280	3466	3480	3489	rBV5	8163	16888	1.38%	0.130%
71	12.338	3489	3498	3507	rVB2	8868	14271	1.16%	0.110%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_V\METHOD\SOMVLM092920WMA.M
Title : VOC Analysis

72	12.402	3507	3518	3519	rBV7	5577	8240	0.67%	0.064%
73	12.434	3521	3528	3536	rVB2	32012	46251	3.77%	0.357%
74	12.489	3536	3545	3563	rVB	51566	81760	6.67%	0.631%
75	12.572	3563	3571	3577	rBV2	13035	19257	1.57%	0.149%
76	12.604	3577	3581	3586	rBV3	7424	8875	0.72%	0.068%
77	12.749	3617	3626	3637	rVB3	21946	34854	2.84%	0.269%
78	12.817	3638	3647	3655	rBV4	10087	14480	1.18%	0.112%
79	12.871	3655	3664	3668	rBV3	14997	24071	1.96%	0.186%
80	12.903	3669	3674	3693	rVB6	24132	52756	4.30%	0.407%
81	13.022	3702	3711	3719	rBV	22714	31273	2.55%	0.241%
82	13.186	3755	3762	3770	rBV3	4415	6298	0.51%	0.049%
83	13.289	3784	3794	3802	rBV4	52789	87771	7.16%	0.677%
84	13.421	3828	3835	3848	rVB	14302	20705	1.69%	0.160%
85	13.492	3848	3857	3860	rBV5	4323	6757	0.55%	0.052%
86	13.527	3861	3868	3877	rVB	24429	36251	2.96%	0.280%
87	13.633	3895	3901	3902	rBV3	1670	1439	0.12%	0.011%
88	13.765	3925	3942	3957	rVB3	11103	28985	2.36%	0.224%
89	13.839	3960	3965	3973	rBV9	1769	2479	0.20%	0.019%
90	13.929	3985	3993	4002	rBV5	9267	14555	1.19%	0.112%
91	14.032	4022	4025	4030	rVV3	1409	1293	0.11%	0.010%
92	14.064	4031	4035	4042	rVB3	2542	2782	0.23%	0.021%
93	14.119	4042	4052	4066	rBV8	5870	13185	1.07%	0.102%
94	14.260	4086	4096	4101	rBV5	5759	7959	0.65%	0.061%
95	14.315	4108	4113	4123	rVB7	2735	4558	0.37%	0.035%
96	14.662	4207	4221	4230	rBV4	8777	17575	1.43%	0.136%
97	14.849	4270	4279	4281	rBV4	2779	3778	0.31%	0.029%
98	15.437	4456	4462	4467	rBV7	1576	2026	0.17%	0.016%
99	15.656	4527	4530	4533	rBV2	1218	804	0.07%	0.006%
100	15.842	4581	4588	4594	rBV7	4843	6635	0.54%	0.051%

Sum of corrected areas: 12966192

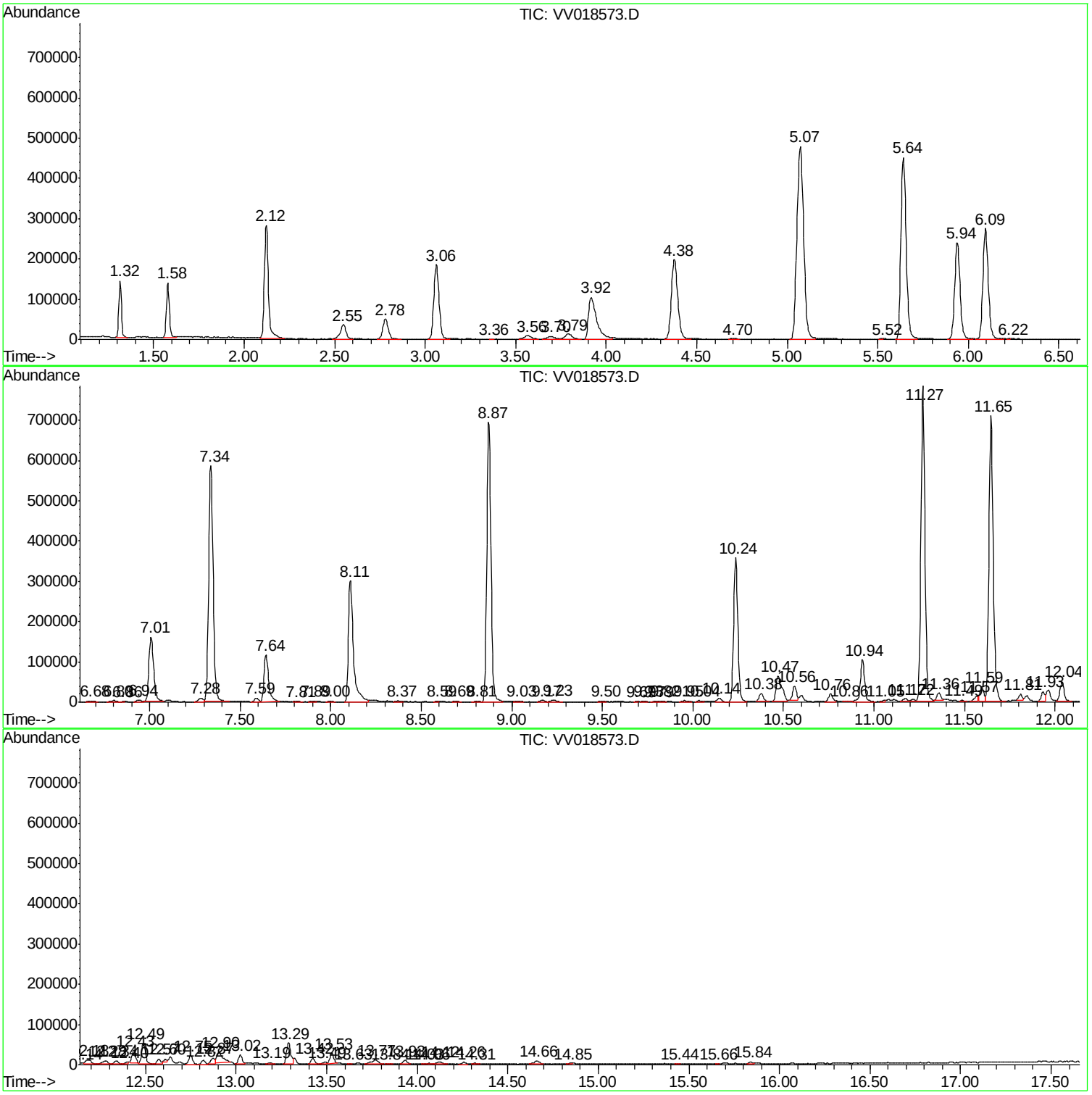
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

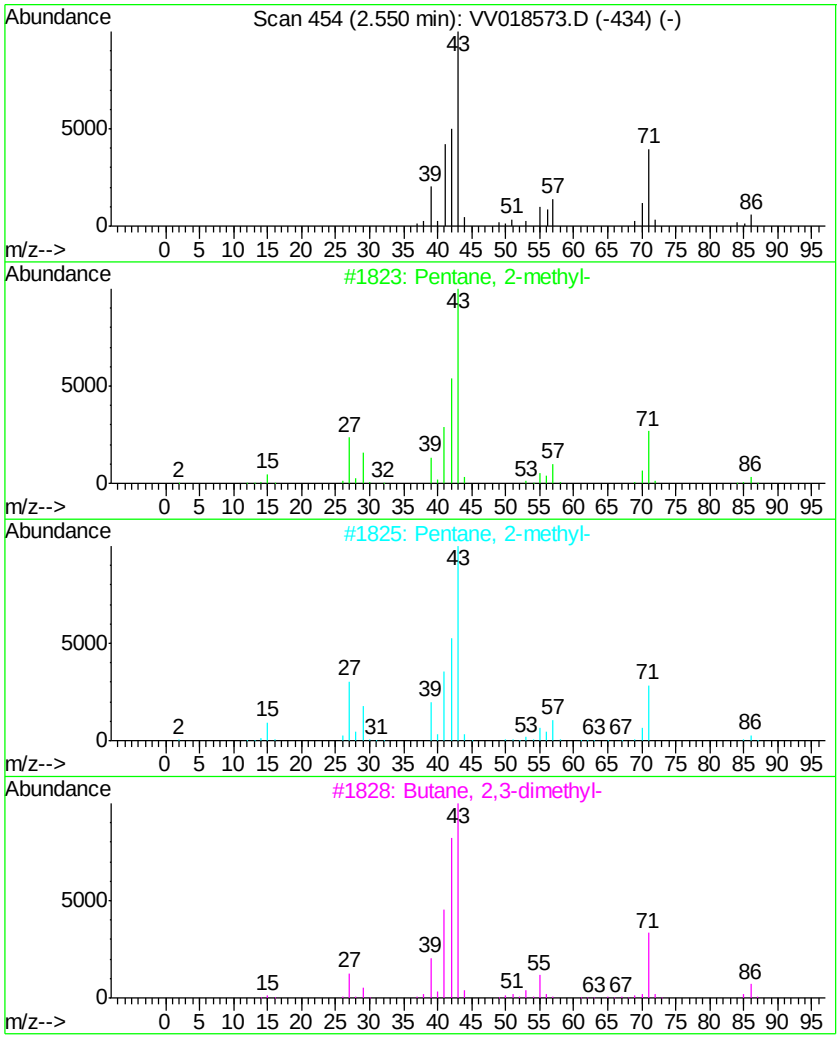
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

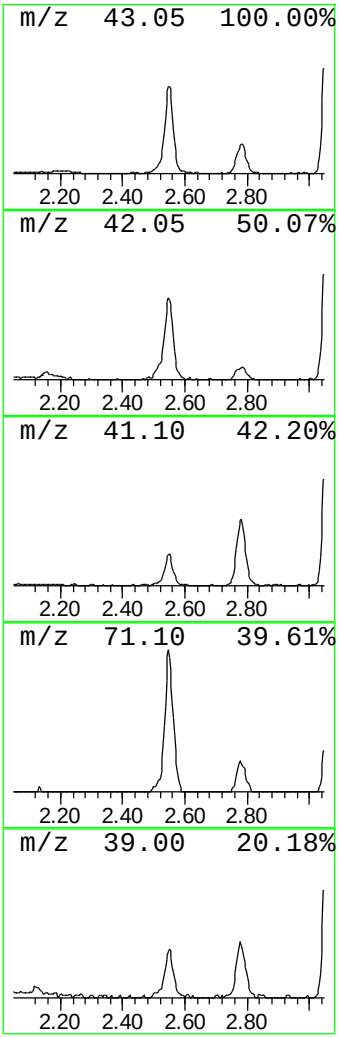
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	4.31 ug/L	77207	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
4	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	39
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

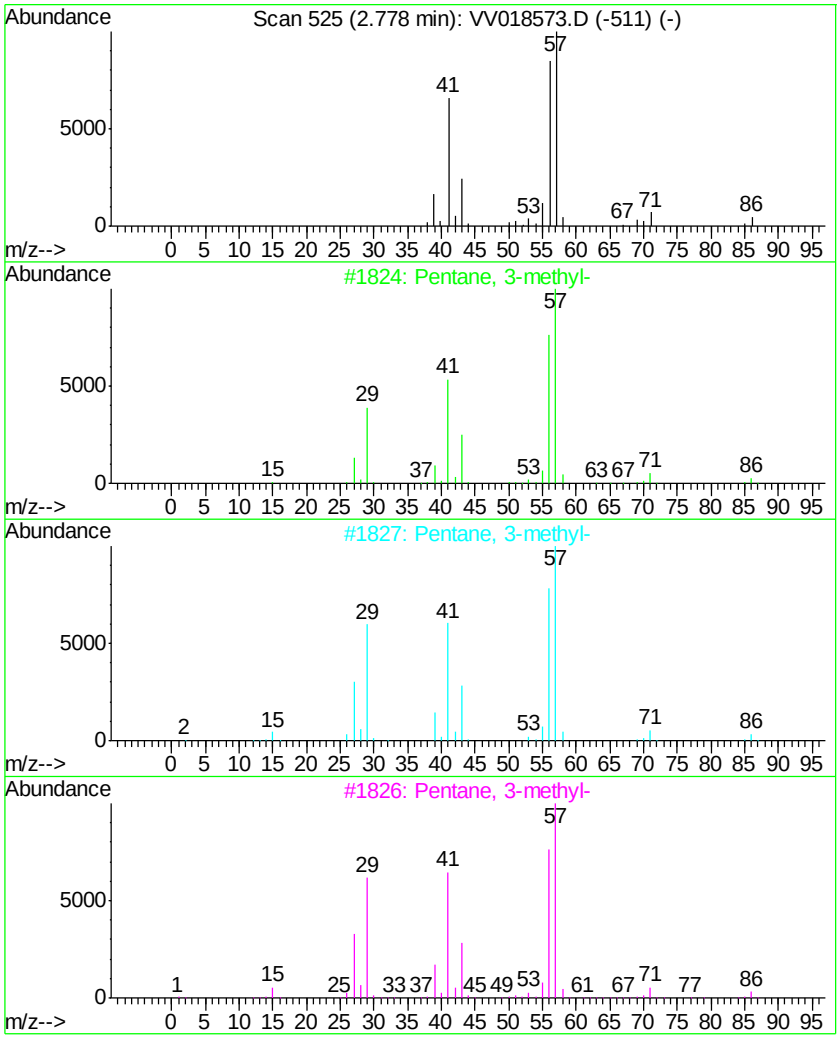
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

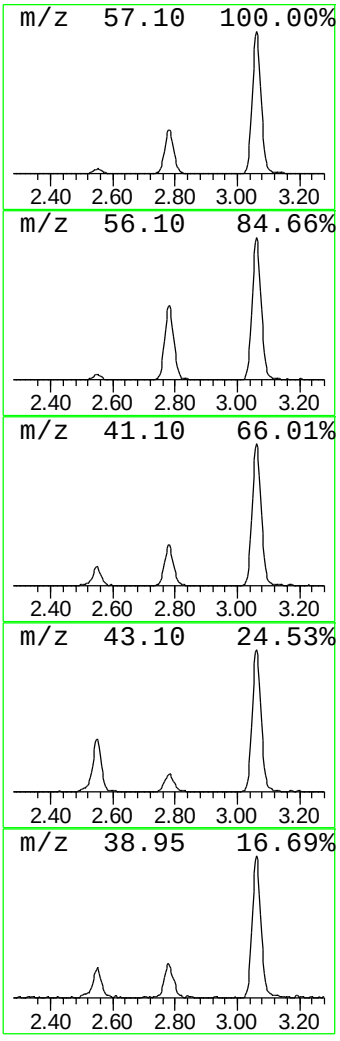
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	5.77 ug/L	103365	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	83
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

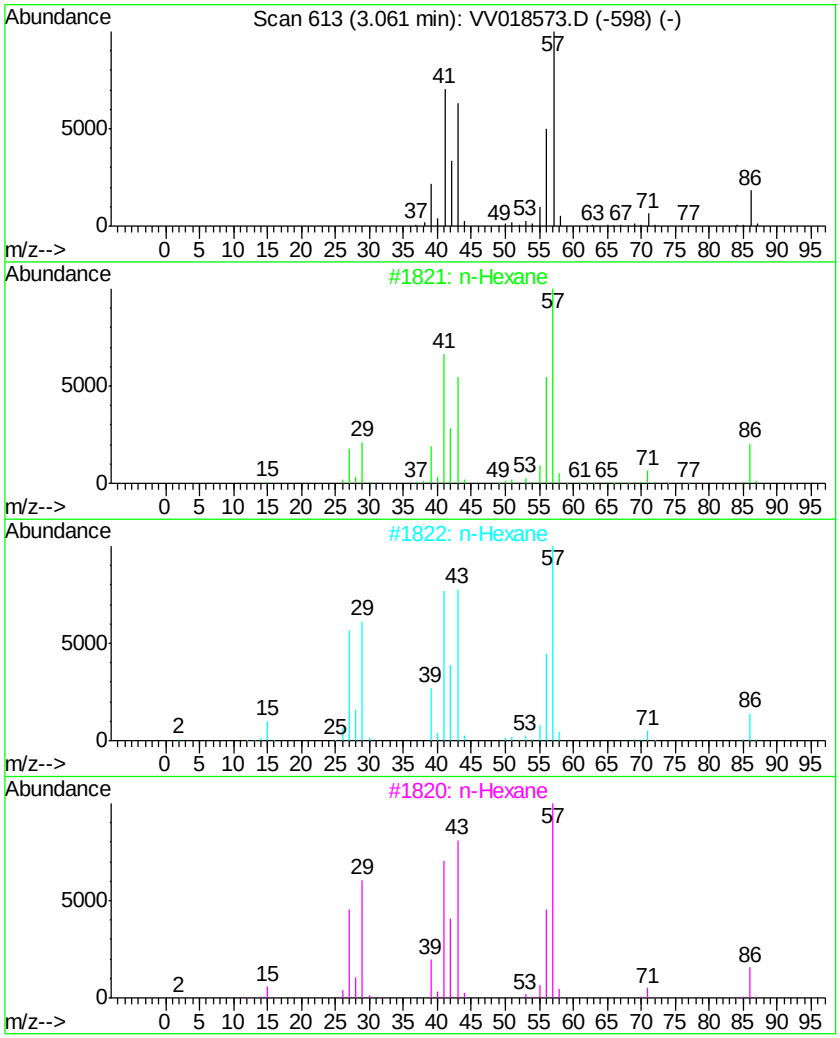
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

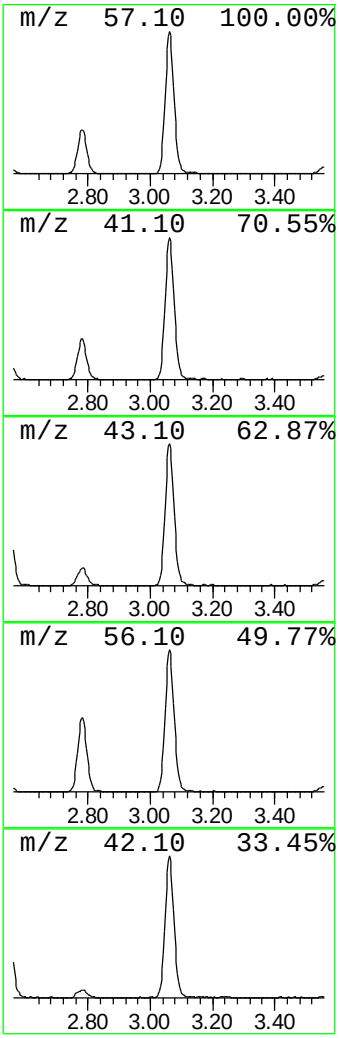
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	20.80 ug/L	372426	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	78
3	n-Hexane	86	C6H14	000110-54-3	53
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
5	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

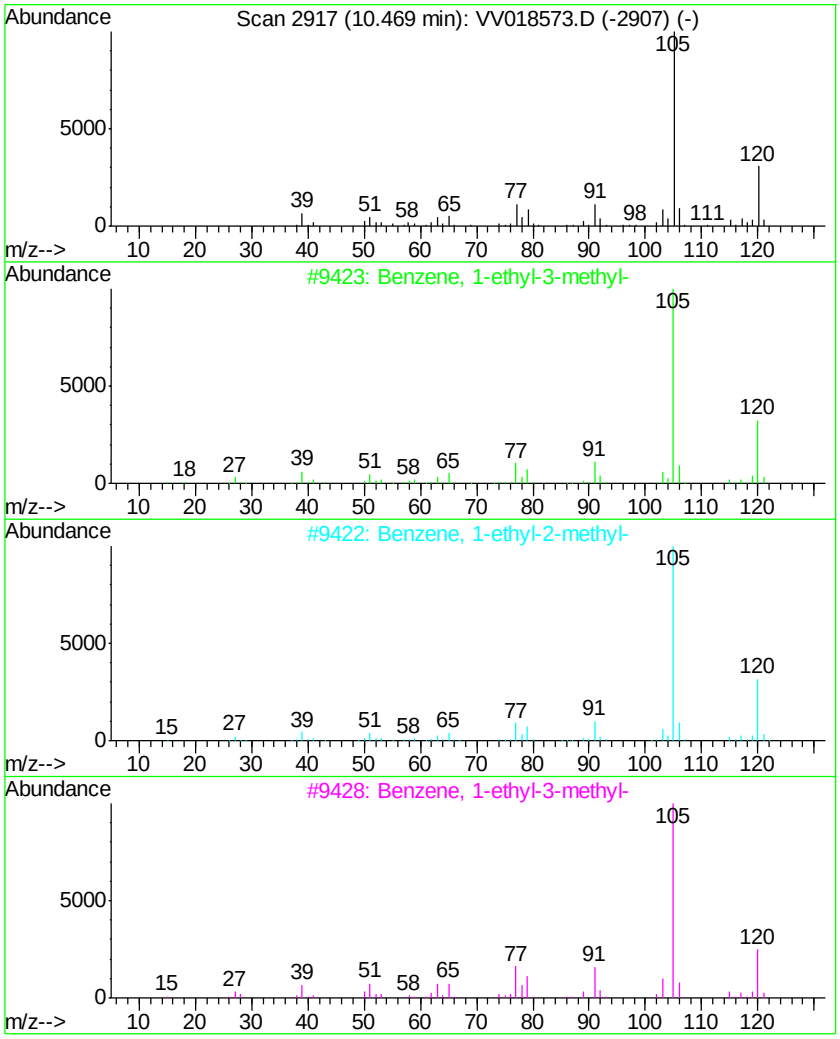
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

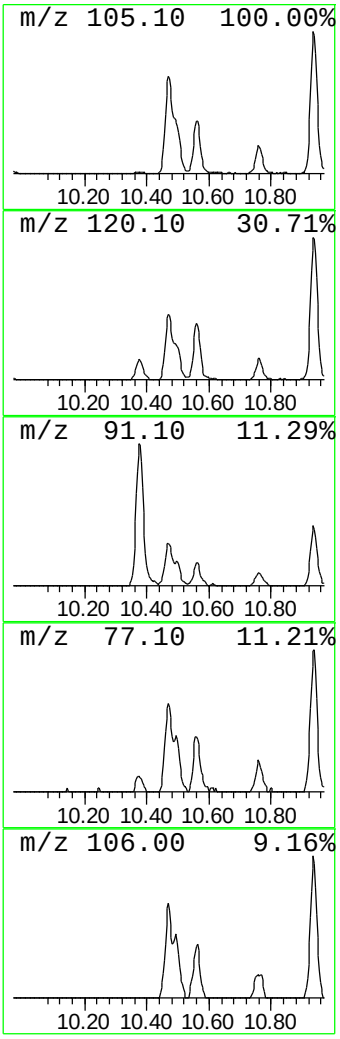
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	6.04 ug/L	144067	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

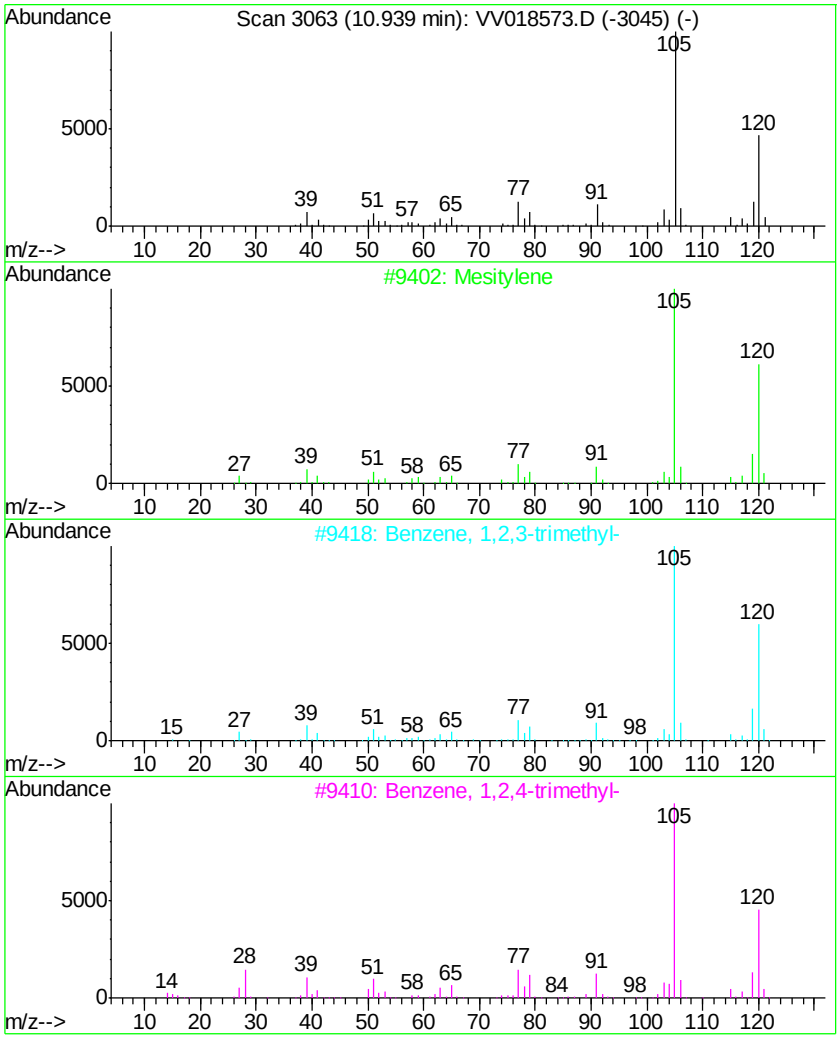
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

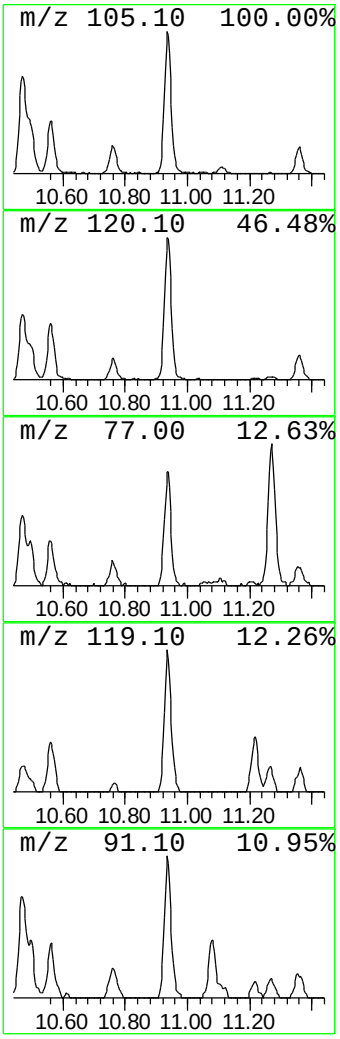
****

Peak Number 6 Mesitylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	7.22 ug/L	172176	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

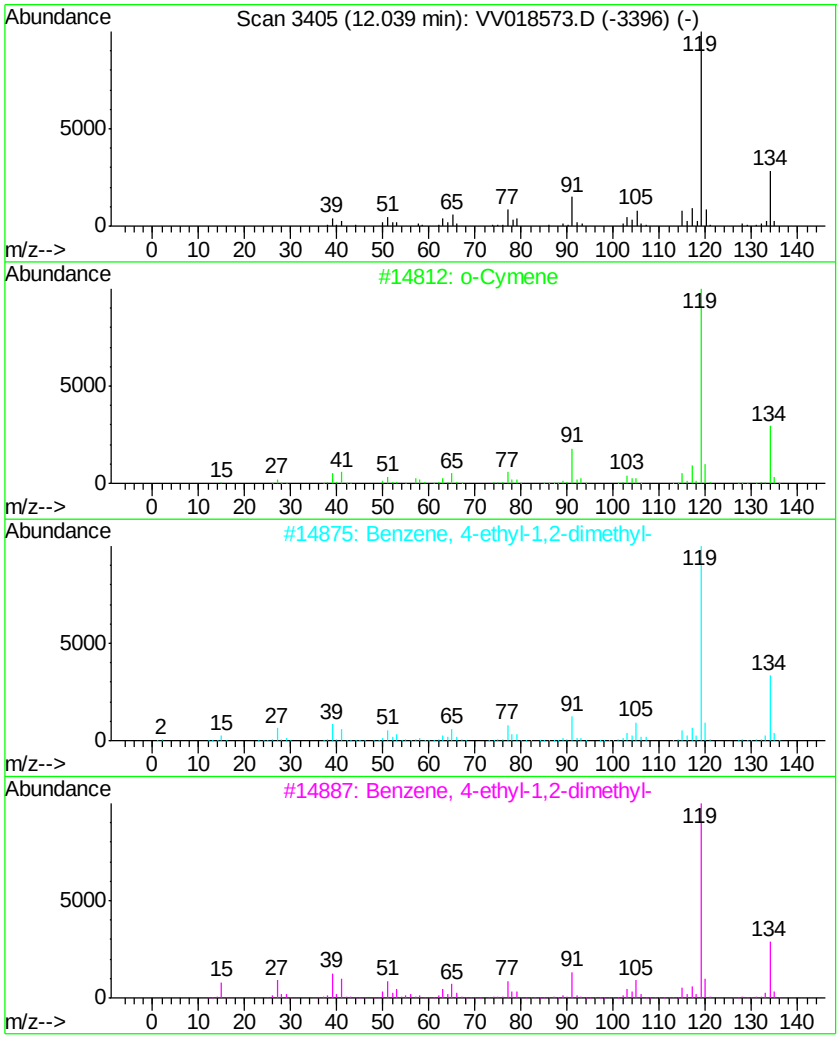
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

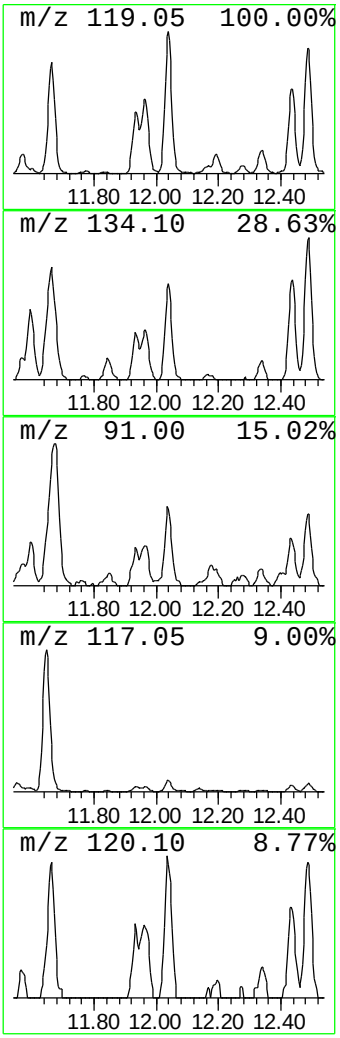
****

Peak Number 7 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	3.18 ug/L	75873	1,4-Dichlorobenzene-d4	11.27

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

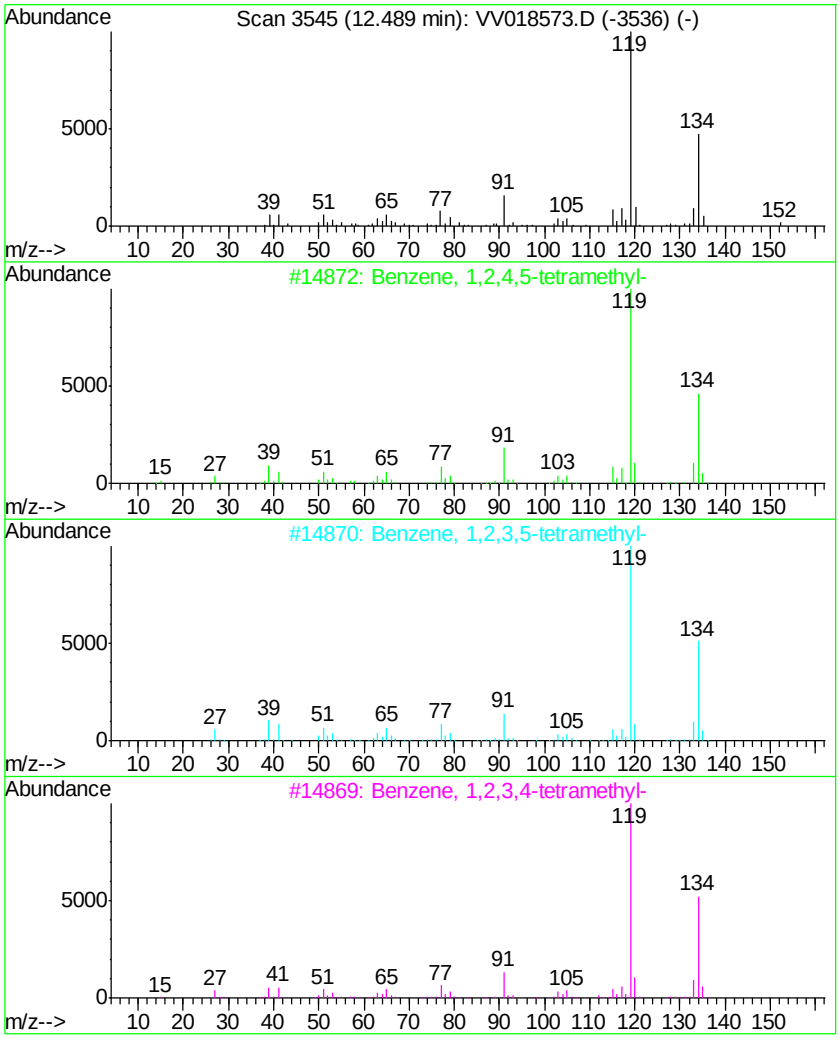
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

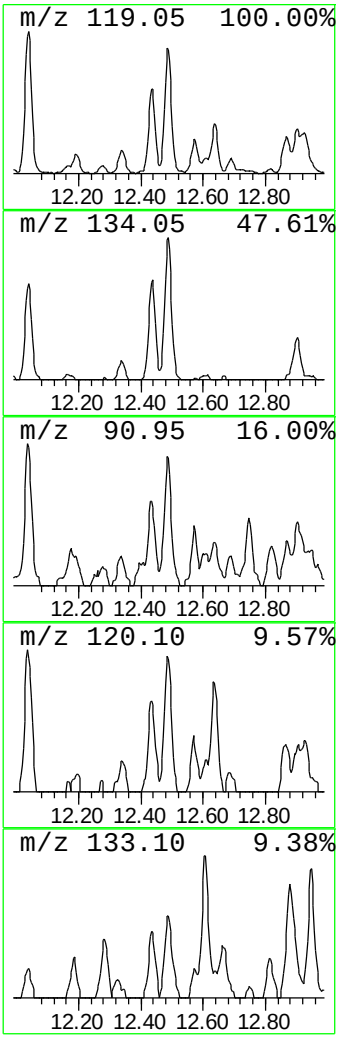
****

Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.43 ug/L	81760	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018573.D
Acq On : 30 Sep 2020 16:39
Operator : SY/MD
Sample : L4117-15DL 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AA3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.55	4.3	ug/L	77207	1	5.64	895201	50.0
(DEL) Alkane: Str...	2.78	5.8	ug/L	103365	1	5.64	895201	50.0
(DEL) Alkane: Str...	3.06	20.8	ug/L	372426	1	5.64	895201	50.0
Benzene, 1-ethyl-...	10.47	6.0	ug/L	144067	3	11.27	1192020	50.0
Mesitylene	10.94	7.2	ug/L	172176	3	11.27	1192020	50.0
o-Cymene	12.04	3.2	ug/L	75873	3	11.27	1192020	50.0
Benzene, 1,2,4,5-...	12.49	3.4	ug/L	81760	3	11.27	1192020	50.0