LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071519\
Data File : VV011885.D
Acq On : 15 Jul 2019 14:06
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMVTR071219WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.116	3	8	19	rVB2	30707	35256	5.99%	0.506%
2	1.225	37	42	48	rVB3	9578	9280	1.58%	0.133%
3	1.319	62	71	86	rVB	92939	102388	17.41%	1.469%
4	1.582	146	153	163	rBV	75787	87003	14.79%	1.248%
5	2.132	313	324	333	rBV	111982	156411	26.59%	2.244%
6	2.196	333	344	362	rVB	90515	156081	26.54%	2.240%
7	2.537	438	450	459	rBV2	8032	12720	2.16%	0.183%
8	3.074	607	617	630	rVB8	4286	9062	1.54%	0.130%
9	3.942	874	887	903	rBV2	70599	194968	33.15%	2.798%
10	4.029	904	914	936	rVB	43424	117303	19.94%	1.683%
11	4.399	1011	1029	1058	rBV4	178804	459597	78.14%	6.595%
12	5.093	1228	1245	1272	rBV2	242927	588185	100.00%	8.440%
13	5.666	1407	1423	1444	rBV	223825	447366	76.06%	6.420%
14	5.949	1499	1511	1524	rBV5	15746	33729	5.73%	0.484%
15	6.116	1548	1563	1582	rBV	148129	301492	51.26%	4.326%
16	6.338	1621	1632	1642	rBV4	9257	19074	3.24%	0.274%
17	7.029	1836	1847	1864	rBV	68729	124324	21.14%	1.784%
18	7.280	1911	1925	1936	rBV2	23219	45142	7.67%	0.648%
19	7.360	1937	1950	1965	rVV	302779	524013	89.09%	7.520%
20	7.434	1969	1973	1983	rVB6	5190	7532	1.28%	0.108%
21	7.666	2035	2045	2060	rBV2	41549	72975	12.41%	1.047%
22	7.981	2130	2143	2151	rBV8	5394	11924	2.03%	0.171%
23	8.135	2178	2191	2223	rBV2	282674	577938	98.26%	8.293%
24	8.286	2228	2238	2259	rVB2	71607	128005	21.76%	1.837%
25	8.894	2413	2427	2448	rBV	343080	560584	95.31%	8.044%
26	9.058	2469	2478	2488	rVB	18966	30013	5.10%	0.431%
27	9.180	2503	2516	2526	rBV2	18245	30191	5.13%	0.433%
28	9.592	2634	2644	2658	rBV6	15030	33415	5.68%	0.480%
29	9.855	2717	2726	2738	rBV9	9023	15832	2.69%	0.227%
30	10.061	2782	2790	2801	rBV6	7503	14334	2.44%	0.206%
31	10.260	2834	2852	2873	rVB2	81215	135030	22.96%	1.938%
32	10.424	2895	2903	2911	rVB4	6160	9261	1.57%	0.133%
33	10.961	3060	3070	3081	rBV3	18950	35827	6.09%	0.514%
34	11.199	3131	3144	3161	rVV3	9985	24318	4.13%	0.349%

LSC Area Percent Report

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Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMVTR071219WMA.M
Title : TRACE VOA SOM01.0

35	11.293	3161	3173	3191	rVV	343716	557876	94.85%	8.005%
36	11.379	3192	3200	3214	rVB2	11752	20860	3.55%	0.299%
37	11.579	3251	3262	3279	rBV	68657	131238	22.31%	1.883%
38	11.669	3279	3290	3307	rVB	298170	489543	83.23%	7.025%
39	11.868	3345	3352	3361	rBV9	4792	7555	1.28%	0.108%
40	11.958	3371	3380	3384	rBV9	4490	7092	1.21%	0.102%
41	11.987	3384	3389	3397	rVB5	6161	8764	1.49%	0.126%
42	12.058	3400	3411	3423	rBV3	17495	34287	5.83%	0.492%
43	12.363	3497	3506	3509	rBV	11799	16344	2.78%	0.235%
44	12.392	3510	3515	3523	rVV3	19936	30665	5.21%	0.440%
45	12.450	3523	3533	3543	rVV4	39014	85533	14.54%	1.227%
46	12.511	3543	3552	3566	rVB	66631	100434	17.08%	1.441%
47	12.772	3624	3633	3652	rBV4	23266	50868	8.65%	0.730%
48	12.926	3662	3681	3695	rBV2	87513	147065	25.00%	2.110%
49	13.000	3700	3704	3713	rVB7	6077	8851	1.50%	0.127%
50	13.090	3726	3732	3741	rBV9	4359	6719	1.14%	0.096%
51	13.315	3791	3802	3808	rBV10	7691	12721	2.16%	0.183%
52	13.550	3865	3875	3888	rBV	81579	134669	22.90%	1.932%
53	16.318	4733	4736	4742	rVB	11646	7044	1.20%	0.101%

Sum of corrected areas: 6968701

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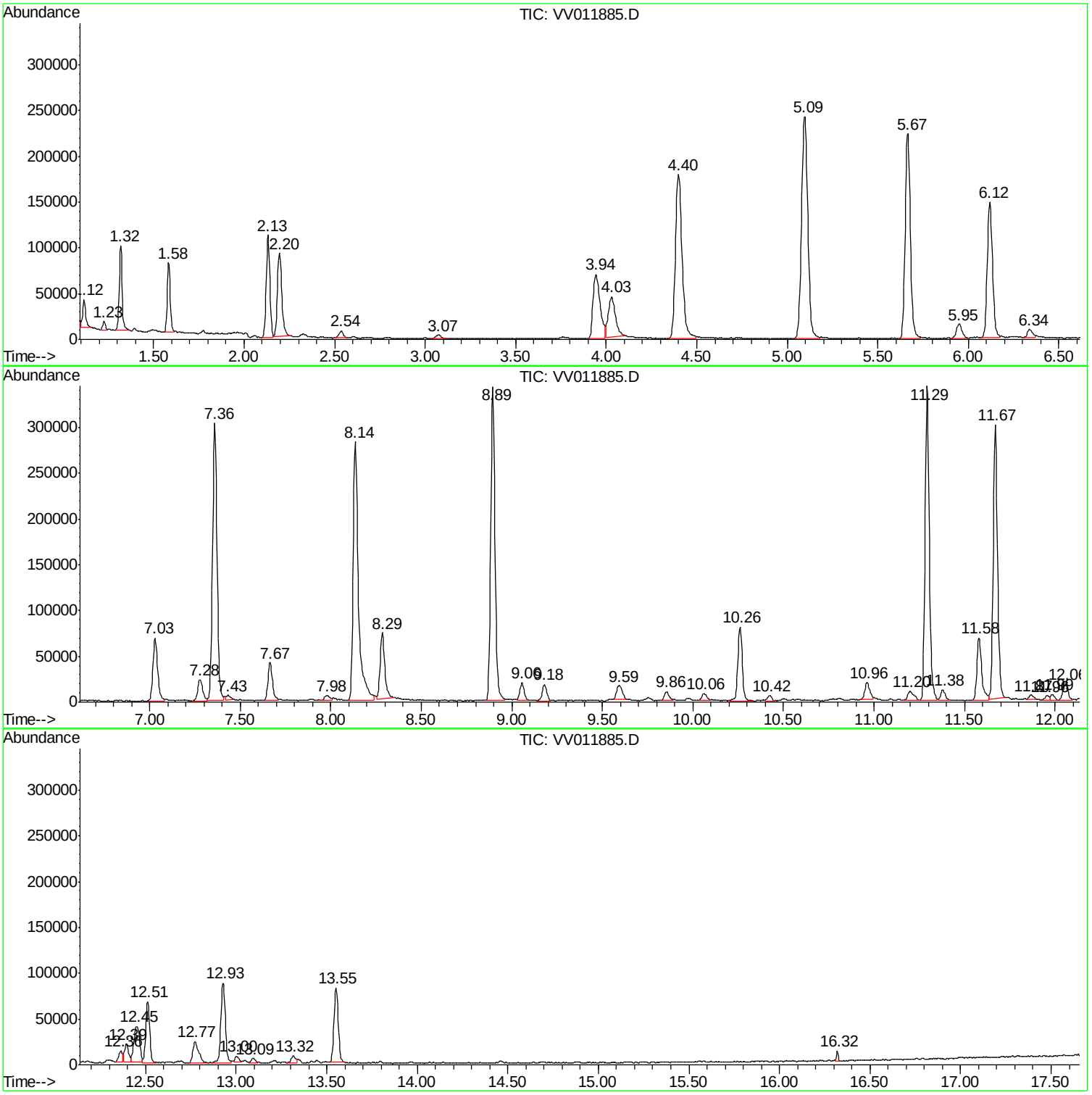
Data File : VV011885.D
Acq On : 15 Jul 2019 14:06
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071519\
Data File : VV011885.D
Acq On : 15 Jul 2019 14:06
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0

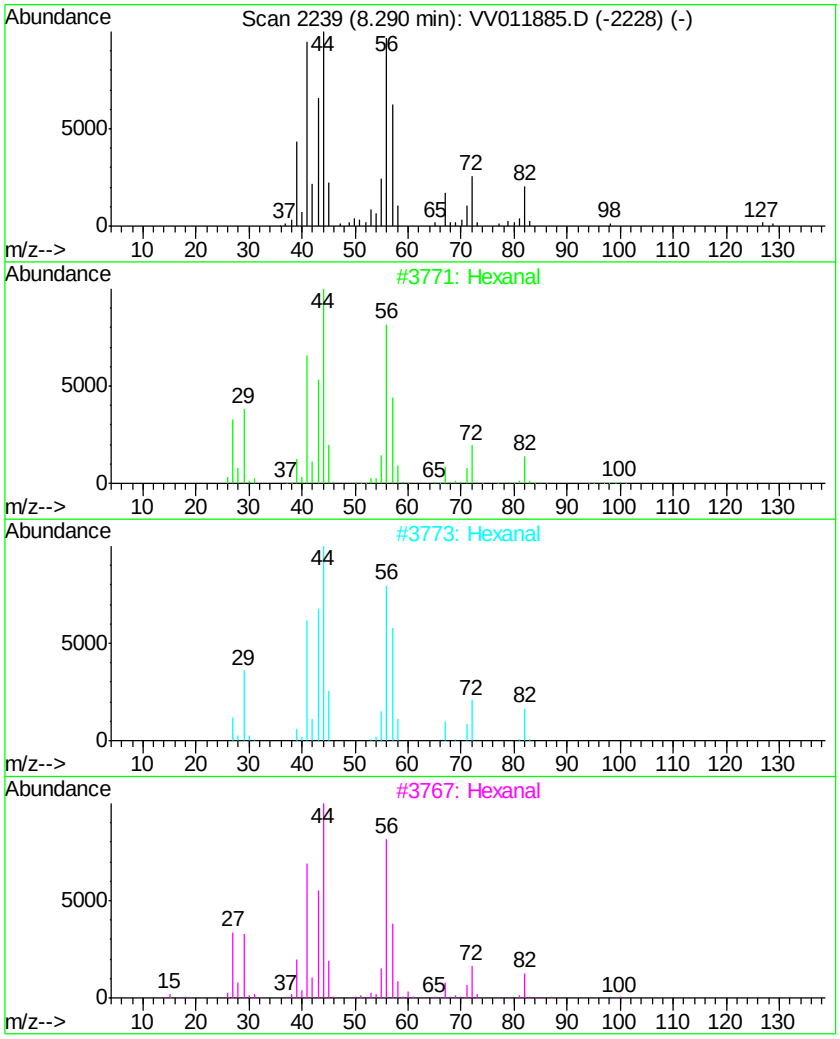
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

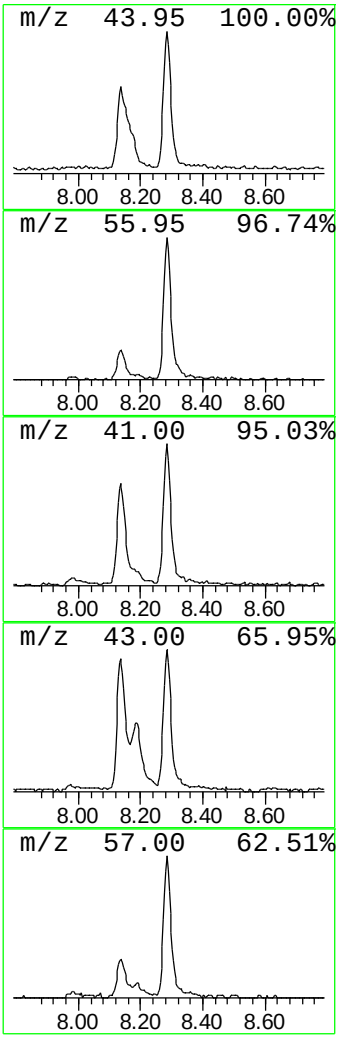
****

Peak Number 2 Hexanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	1.14 ug/L	128005	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	72
2	Hexanal	100	C6H12O	000066-25-1	64
3	Hexanal	100	C6H12O	000066-25-1	64
4	Hexanal	100	C6H12O	000066-25-1	59
5	Cyclopentanol, 2-methyl-, trans-	100	C6H12O	025144-04-1	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071519\
Data File : VV011885.D
Acq On : 15 Jul 2019 14:06
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0

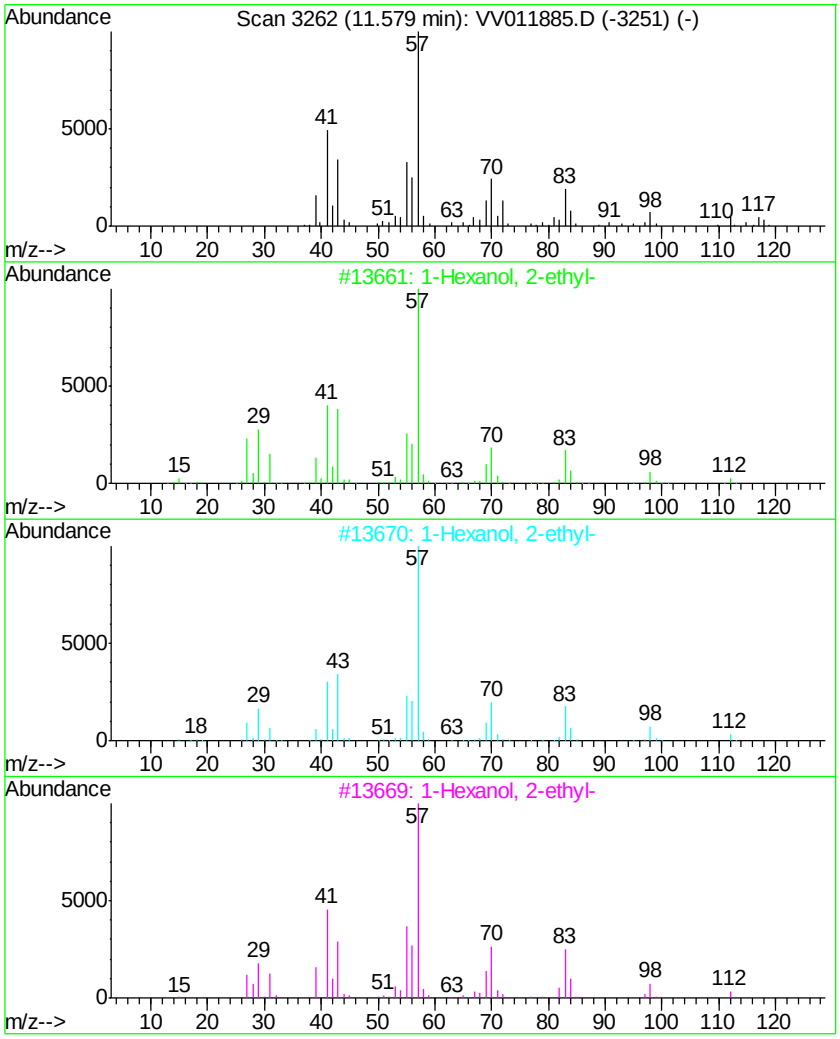
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

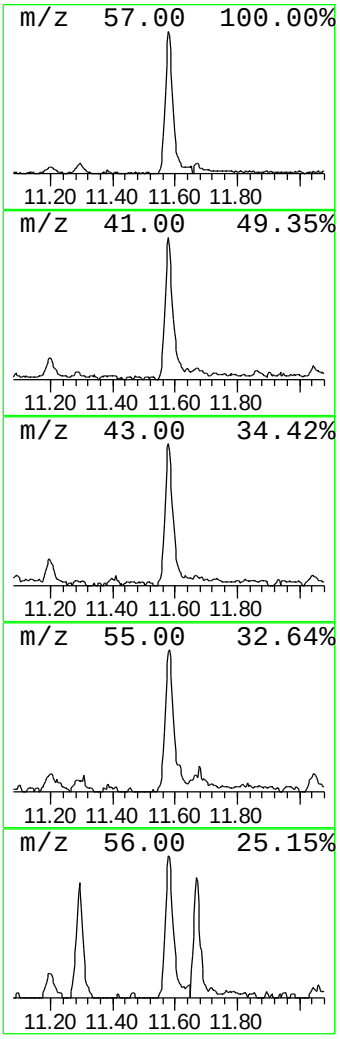
****

Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	1.18 ug/L	131238	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	80
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	80
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071519\
Data File : VV011885.D
Acq On : 15 Jul 2019 14:06
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0

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

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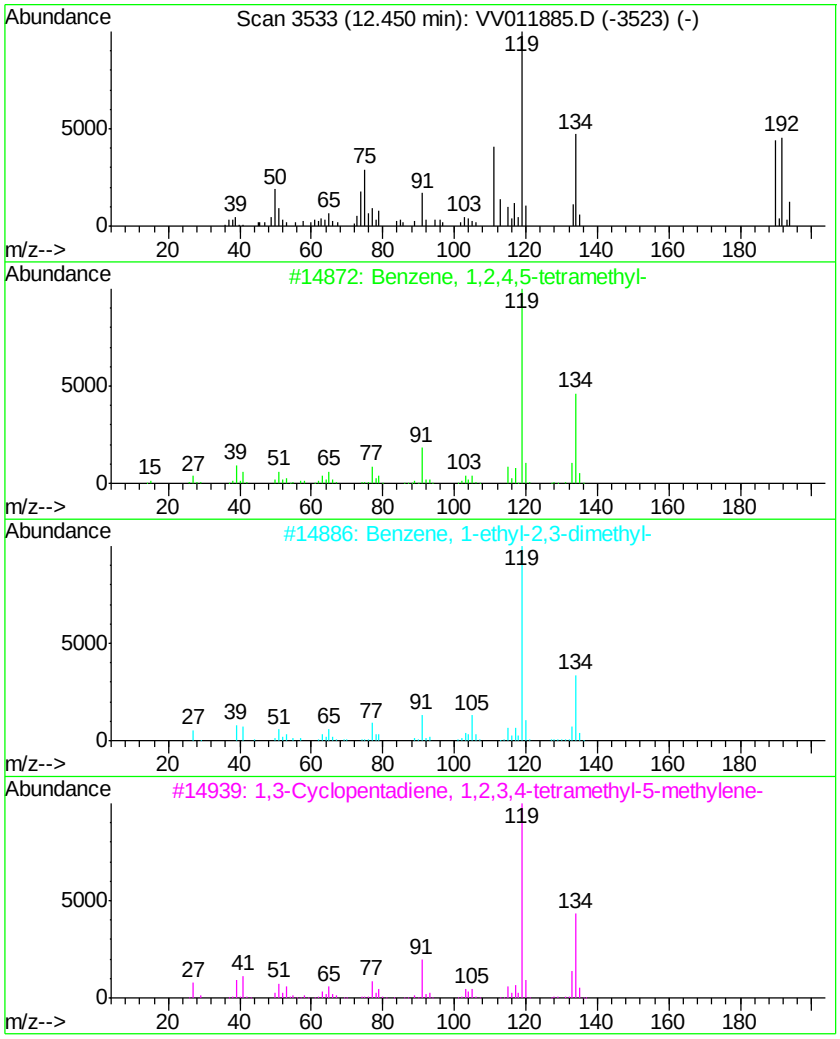
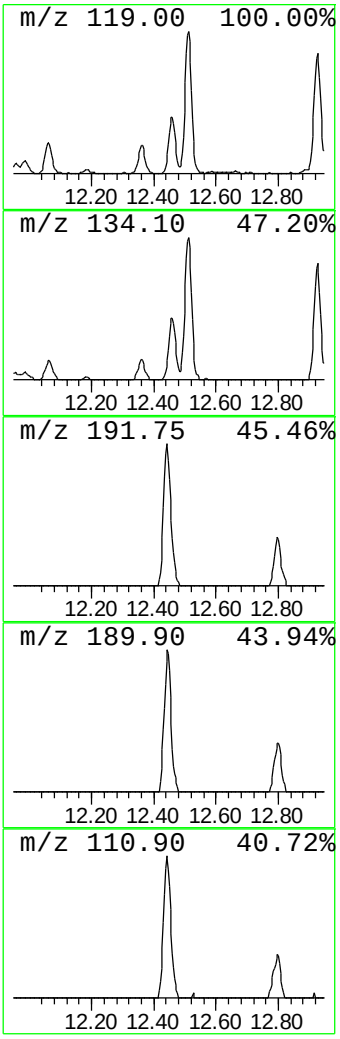
Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	0.77 ug/L	85533	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	86
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071519\
Data File : VV011885.D
Acq On : 15 Jul 2019 14:06
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0

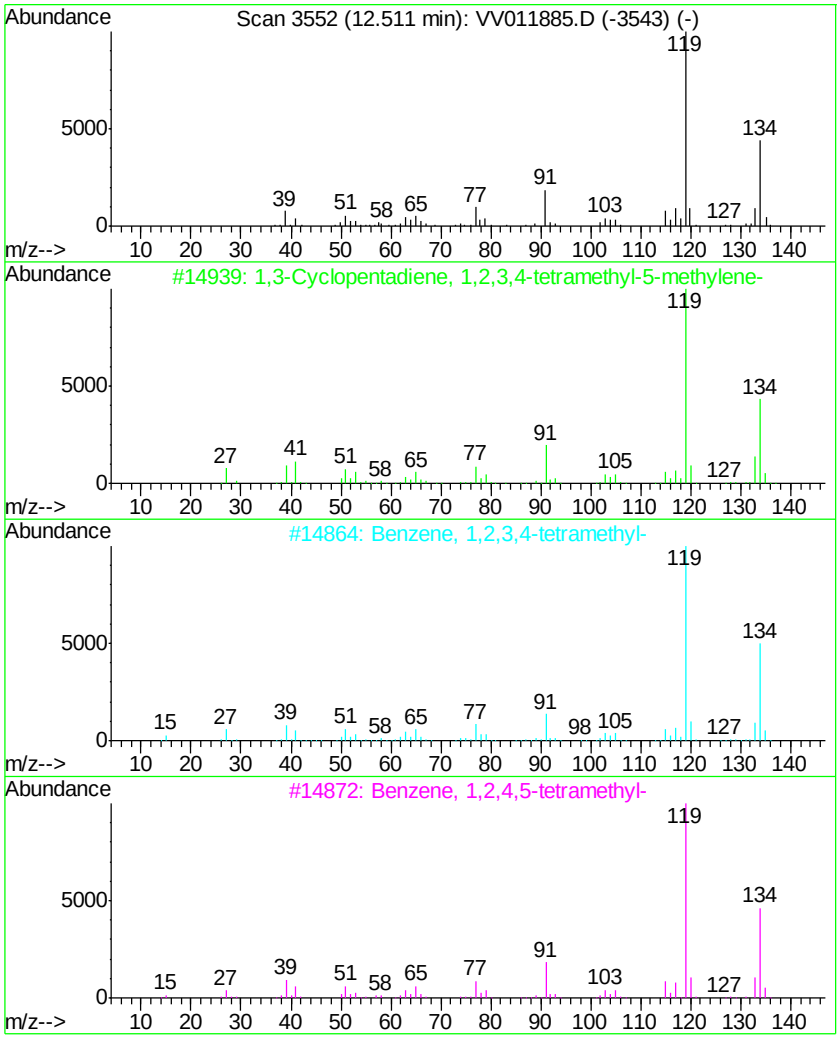
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

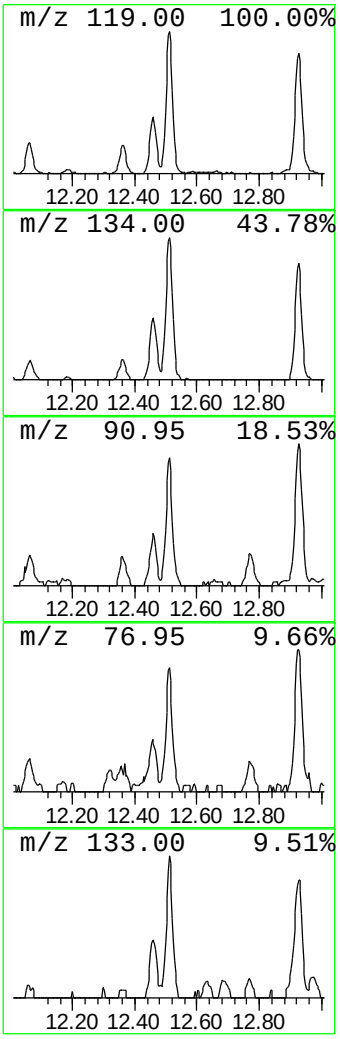
****

Peak Number 5 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	0.90 ug/L	100434	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	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	94





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Data File : VV011885.D
Acq On : 15 Jul 2019 14:06
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0

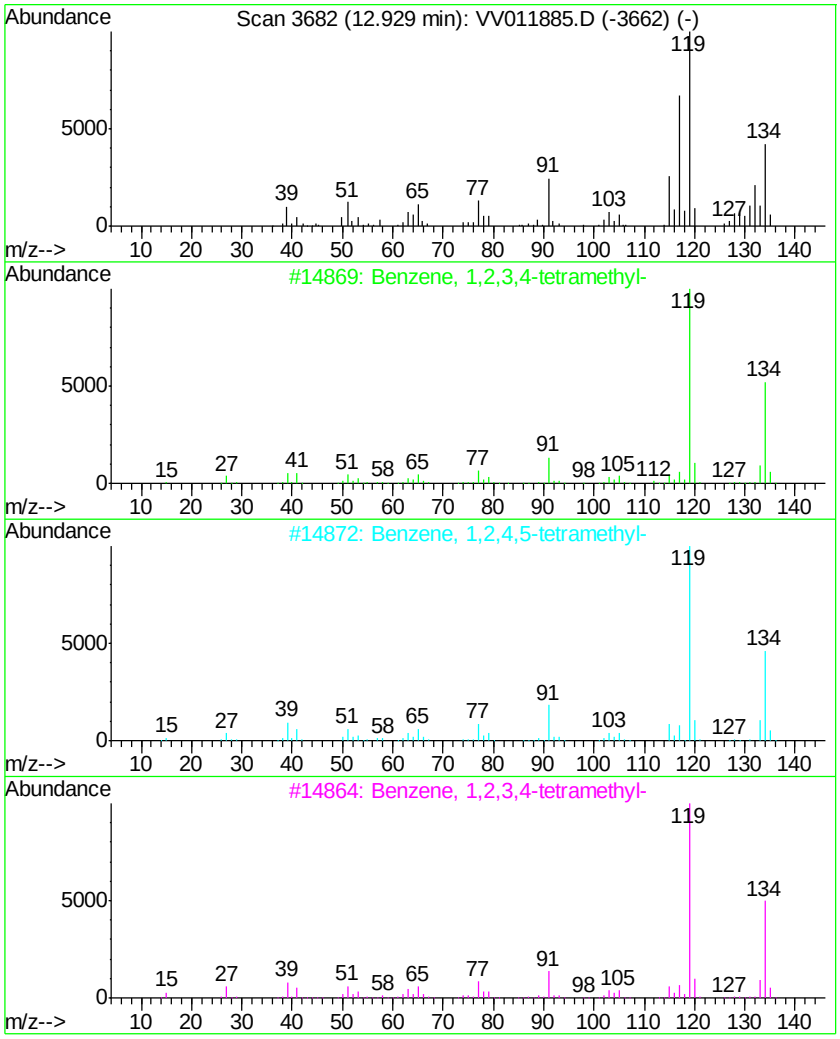
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

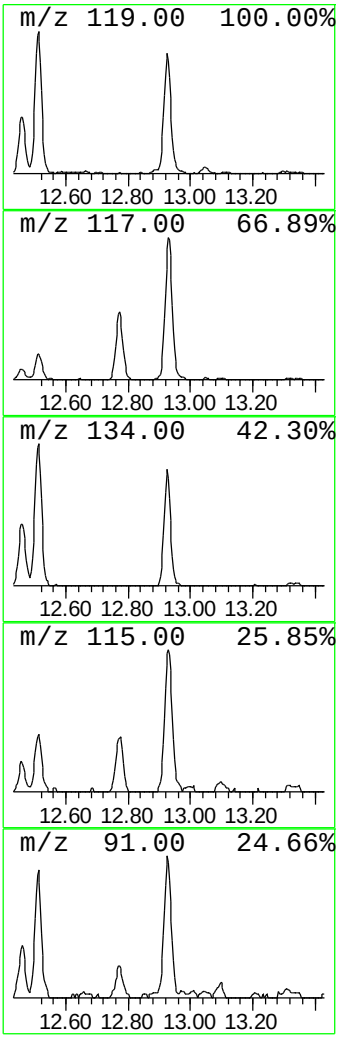
****

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	1.32 ug/L	147065	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
5	o-Cymene	134	C10H14	000527-84-4	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071519\
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Operator : SY/MD
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ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexanal	8.29	1.1	ug/L	128005	2	8.89	560584	5.0
1-Hexanol, 2-ethyl-	11.58	1.2	ug/L	131238	3	11.29	557876	5.0
Benzene, 1,2,4,5-...	12.45	0.8	ug/L	85533	3	11.29	557876	5.0
1,3-Cyclopentadie...	12.51	0.9	ug/L	100434	3	11.29	557876	5.0
Benzene, 1,2,3,4-...	12.93	1.3	ug/L	147065	3	11.29	557876	5.0