LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

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_F\METHODS\82F100118S.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	1.114	45	49	50	rBV3	8986	17317	1.25%	0.173%
2	1.351	68	73	75	rBV6	9452	23582	1.71%	0.236%
3	1.686	105	107	110	rBV4	9575	17216	1.25%	0.172%
4	2.268	162	166	168	rBV3	25953	55839	4.04%	0.559%
5	2.317	168	171	180	rVB4	29365	96850	7.01%	0.969%
6	3.815	318	323	325	rBV5	5175	13884	1.00%	0.139%
7	4.170	356	359	362	rVV4	7991	17334	1.25%	0.173%
8	4.269	362	369	383	rVB	258516	802024	58.03%	8.025%
9	5.008	437	444	457	rBV2	401002	1382000	100.00%	13.829%
10	5.609	497	505	513	rVV3	30717	116804	8.45%	1.169%
11	5.747	513	519	529	rVV	394911	1038681	75.16%	10.393%
12	5.905	533	535	538	rVV	23498	26206	1.90%	0.262%
13	6.329	574	578	583	rVV5	6735	17841	1.29%	0.179%
14	7.167	658	663	672	rVB4	19973	78022	5.65%	0.781%
15	7.423	685	689	693	rBV5	7548	23748	1.72%	0.238%
16	7.512	695	698	702	rVB5	7636	18326	1.33%	0.183%
17	7.689	711	716	721	rVV	398237	928093	67.16%	9.287%
18	7.758	721	723	729	rVV	31557	69261	5.01%	0.693%
19	7.896	733	737	743	rVB7	9739	24140	1.75%	0.242%
20	8.389	785	787	792	rBV5	6816	19625	1.42%	0.196%
21	8.527	795	801	803	rBV6	9499	24514	1.77%	0.245%
22	8.586	803	807	815	rVB2	39217	96725	7.00%	0.968%
23	8.754	817	824	829	rBV2	36037	104770	7.58%	1.048%
24	8.971	842	846	850	rVB6	7665	18574	1.34%	0.186%
25	9.099	855	859	864	rVV5	13226	33066	2.39%	0.331%
26	9.483	894	898	903	rBV3	8615	23493	1.70%	0.235%
27	9.897	935	940	948	rVV	368004	868264	62.83%	8.688%
28	10.015	948	952	959	rVV	43366	110123	7.97%	1.102%
29	10.094	959	960	965	rVB3	8321	15959	1.15%	0.160%
30	10.252	971	976	980	rVV2	43351	91205	6.60%	0.913%
31	10.351	983	986	995	rVB6	16770	48644	3.52%	0.487%
32	10.636	1007	1015	1019	rVB4	26884	79686	5.77%	0.797%
33	10.774	1024	1029	1030	rVV3	22731	49940	3.61%	0.500%
34	10.814	1030	1033	1038	rVV	68824	140343	10.16%	1.404%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
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Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

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_F\METHODS\82F100118S.M
Title : SW846 8260

35	10.932	1041	1045	1046	rVV4	8640	17677	1.28%	0.177%
36	11.041	1052	1056	1059	rVB6	9044	18022	1.30%	0.180%
37	11.149	1063	1067	1070	rBV5	8580	17134	1.24%	0.171%
38	11.218	1070	1074	1079	rVB	35718	70161	5.08%	0.702%
39	11.356	1084	1088	1092	rVB5	23368	52865	3.83%	0.529%
40	11.494	1098	1102	1109	rBV	451727	841422	60.88%	8.419%
41	11.632	1113	1116	1118	rVV3	18035	27838	2.01%	0.279%
42	11.671	1118	1120	1124	rVB	29066	46427	3.36%	0.465%
43	11.790	1128	1132	1140	rVB	51512	132852	9.61%	1.329%
44	11.898	1140	1143	1147	rVB	53547	81350	5.89%	0.814%
45	12.095	1157	1163	1167	rBV	57302	95651	6.92%	0.957%
46	12.214	1172	1175	1178	rBV4	7966	18707	1.35%	0.187%
47	12.273	1178	1181	1186	rVB	99893	160249	11.60%	1.603%
48	12.371	1189	1191	1198	rVB	29151	55449	4.01%	0.555%
49	12.470	1200	1201	1202	rBV	21142	18148	1.31%	0.182%
50	12.618	1213	1216	1220	rBV	422109	670879	48.54%	6.713%
51	12.677	1220	1222	1226	rVB	95980	135085	9.77%	1.352%
52	12.795	1231	1234	1236	rBV2	22435	37696	2.73%	0.377%
53	12.835	1236	1238	1240	rVV	17685	24233	1.75%	0.242%
54	12.894	1240	1244	1250	rVB3	36145	87586	6.34%	0.876%
55	12.992	1250	1254	1256	rBV5	11053	19560	1.42%	0.196%
56	13.071	1259	1262	1266	rVB	25187	35995	2.60%	0.360%
57	13.150	1266	1270	1274	rBV2	27850	73413	5.31%	0.735%
58	13.219	1274	1277	1282	rBV2	32184	59861	4.33%	0.599%
59	13.298	1282	1285	1289	rBV2	16971	44471	3.22%	0.445%
60	13.485	1302	1304	1309	rVV3	18144	28765	2.08%	0.288%
61	13.554	1309	1311	1313	rVV3	15160	19654	1.42%	0.197%
62	13.603	1313	1316	1318	rVV2	25140	39344	2.85%	0.394%
63	13.761	1329	1332	1335	rBV4	30549	48072	3.48%	0.481%
64	13.870	1340	1343	1345	rVV	17241	24390	1.76%	0.244%
65	13.909	1345	1347	1348	rVV	35408	48811	3.53%	0.488%
66	13.968	1352	1353	1356	rVB2	13368	16770	1.21%	0.168%
67	14.027	1356	1359	1363	rVB4	16029	31397	2.27%	0.314%
68	14.136	1365	1370	1373	rBV5	12750	34765	2.52%	0.348%
69	14.215	1373	1378	1380	rVV5	19677	42045	3.04%	0.421%
70	14.274	1380	1384	1388	rVB4	19402	42276	3.06%	0.423%
71	14.353	1390	1392	1395	rBV3	8442	15188	1.10%	0.152%

LSC Area Percent Report

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Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

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_F\METHODS\82F100118S.M
Title : SW846 8260

72	14.412	1395	1398	1401	rBV4	7544	14776	1.07%	0.148%
73	14.510	1406	1408	1411	rBV2	25973	41534	3.01%	0.416%
74	14.648	1420	1422	1429	rVB7	7010	15955	1.15%	0.160%
75	14.796	1432	1437	1440	rBV3	25113	35419	2.56%	0.354%
76	15.053	1460	1463	1467	rBV4	13730	25321	1.83%	0.253%
77	15.161	1472	1474	1477	rBV3	17967	29078	2.10%	0.291%
78	15.338	1489	1492	1494	rVB2	28159	41131	2.98%	0.412%
79	15.388	1494	1497	1503	rVV8	8575	21179	1.53%	0.212%
80	15.467	1503	1505	1509	rVB	27807	43092	3.12%	0.431%

Sum of corrected areas: 9993792

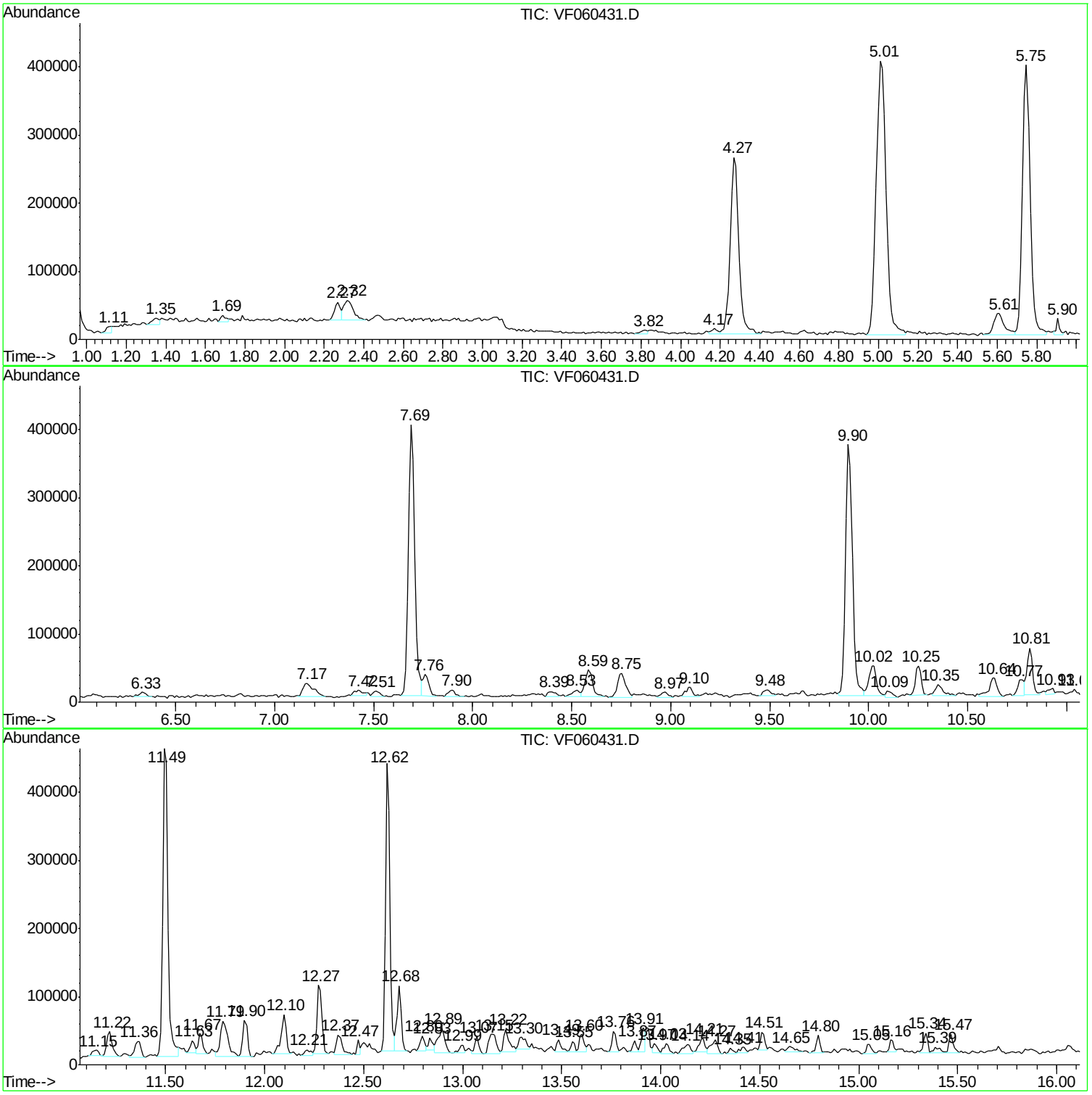
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.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 F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

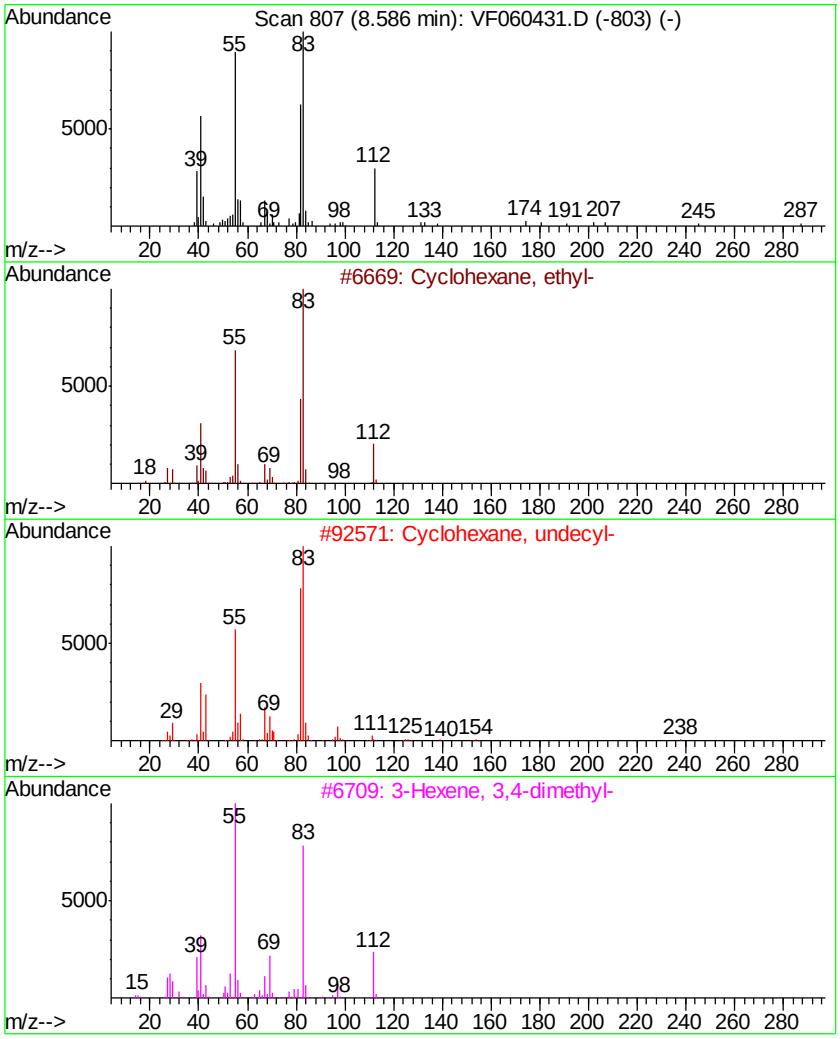
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

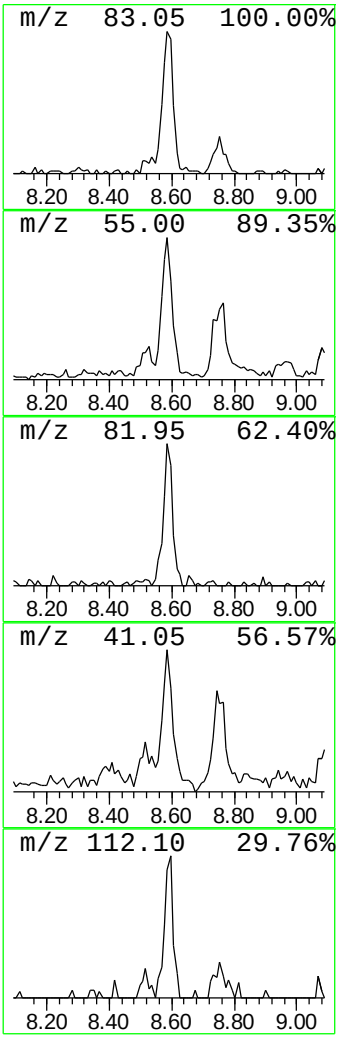
****

Peak Number 1 Cyclohexane, ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	5.57 ug/l	96725	Chlorobenzene-d5	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
3	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	58
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58
5	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

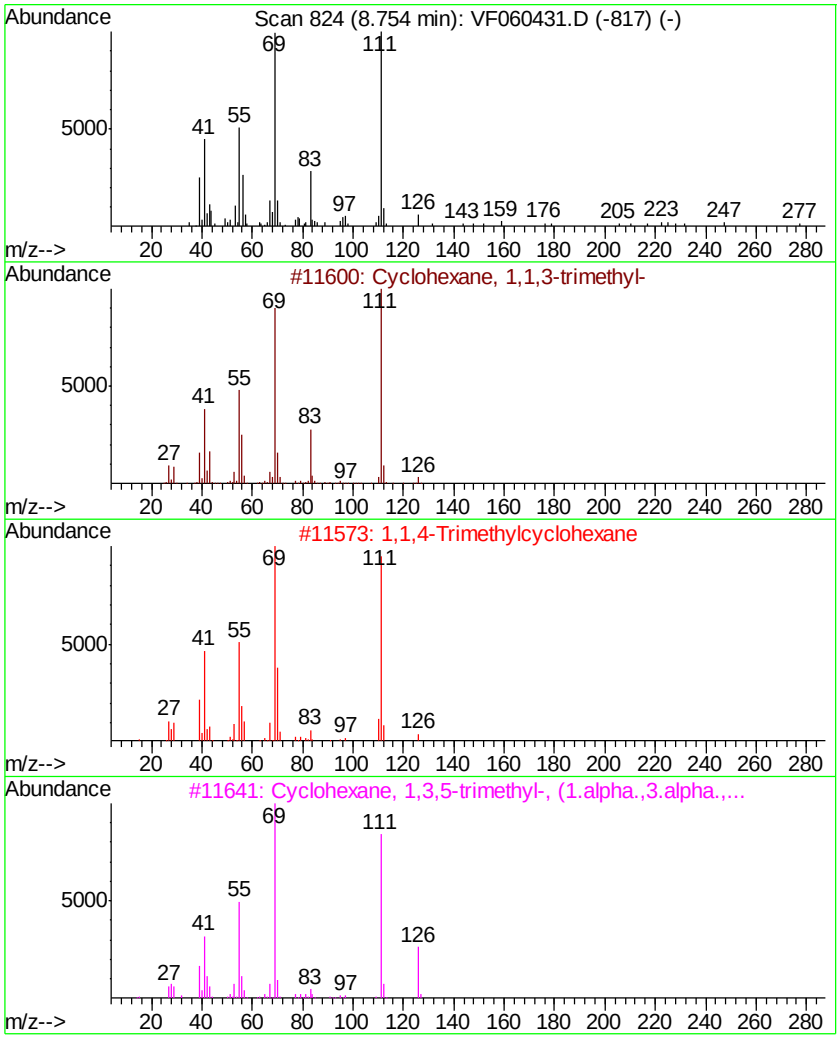
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

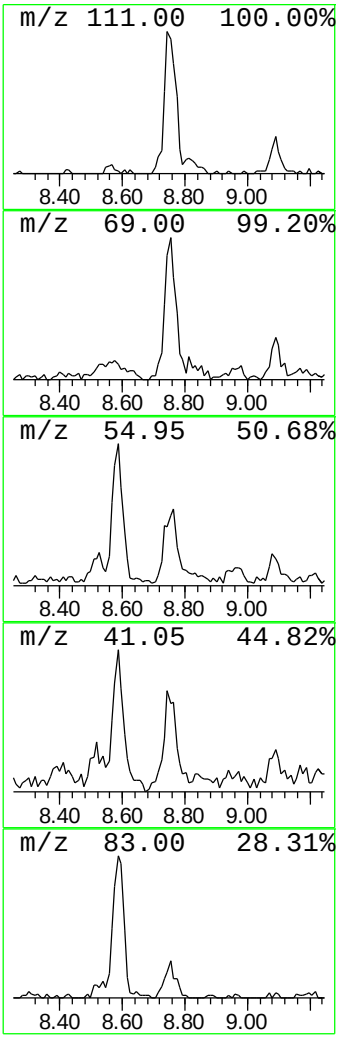
****

Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	6.03 ug/l	104770	Chlorobenzene-d5	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	83
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
4	Silane, 1-butynyltrimethyl-	126	C7H14Si	062108-37-6	43
5	2-Methyl-2-heptene	112	C8H16	000627-97-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

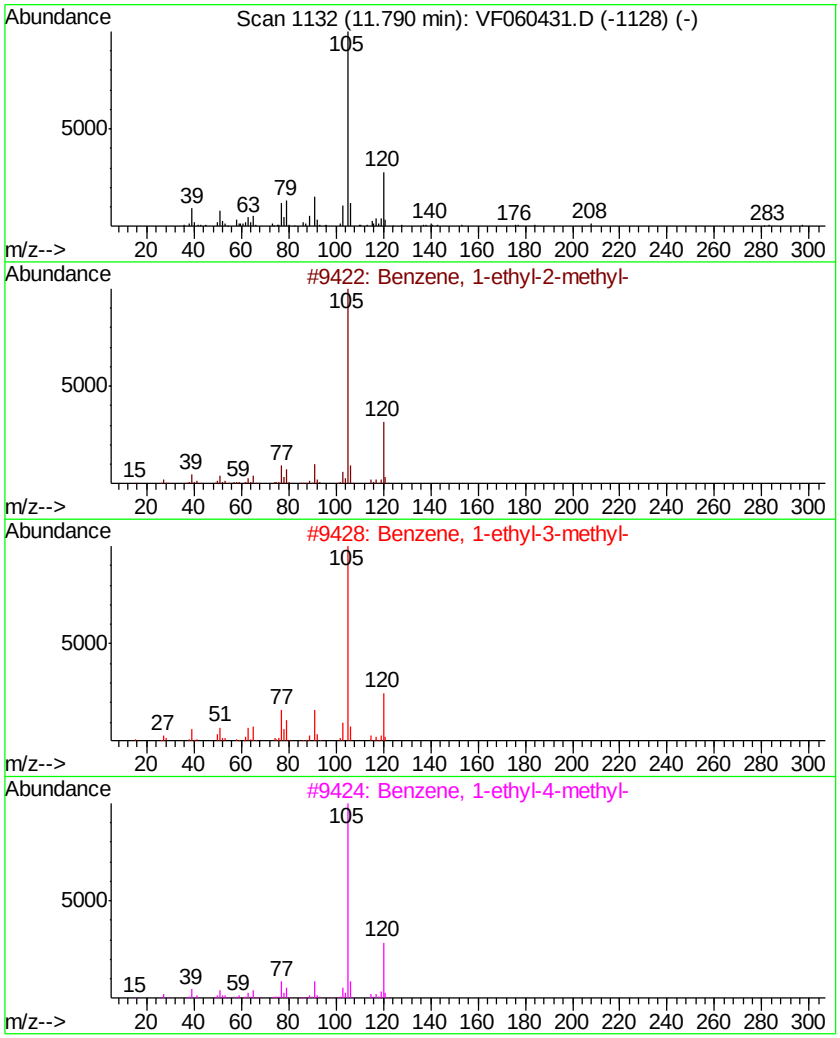
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

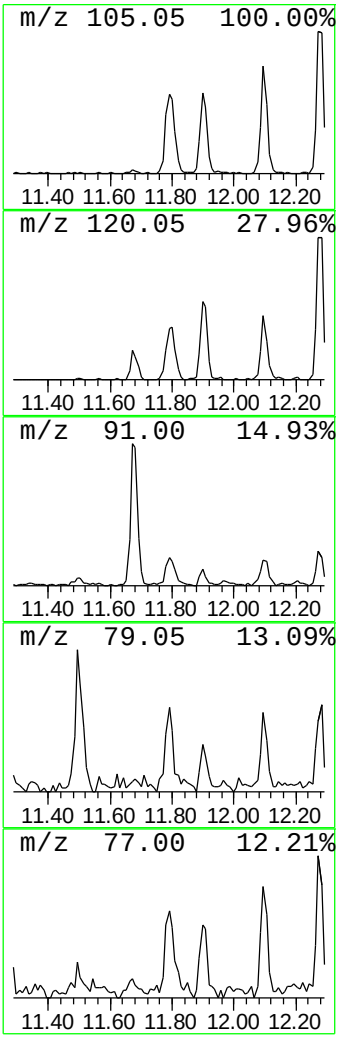
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	9.90 ug/l	132852	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
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ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

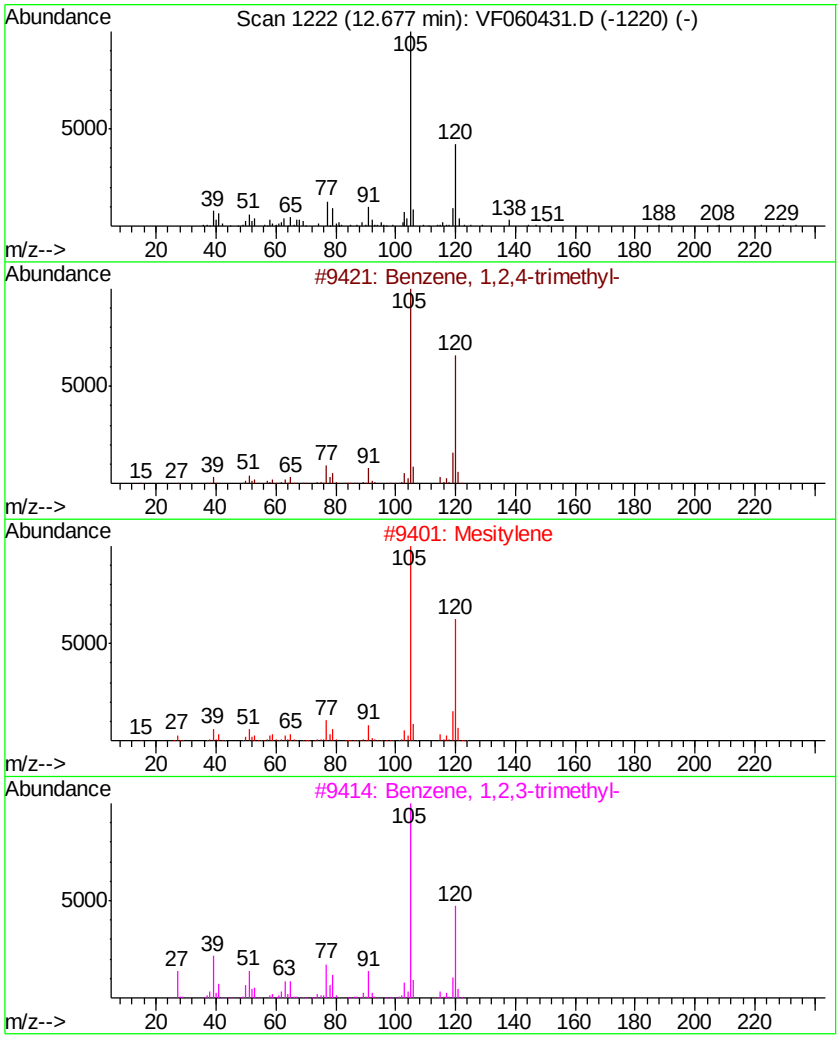
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

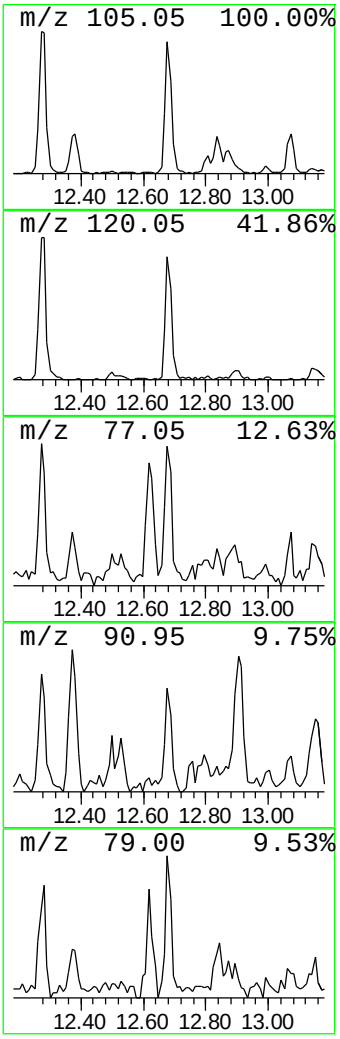
****

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	10.07 ug/l	135085	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
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Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

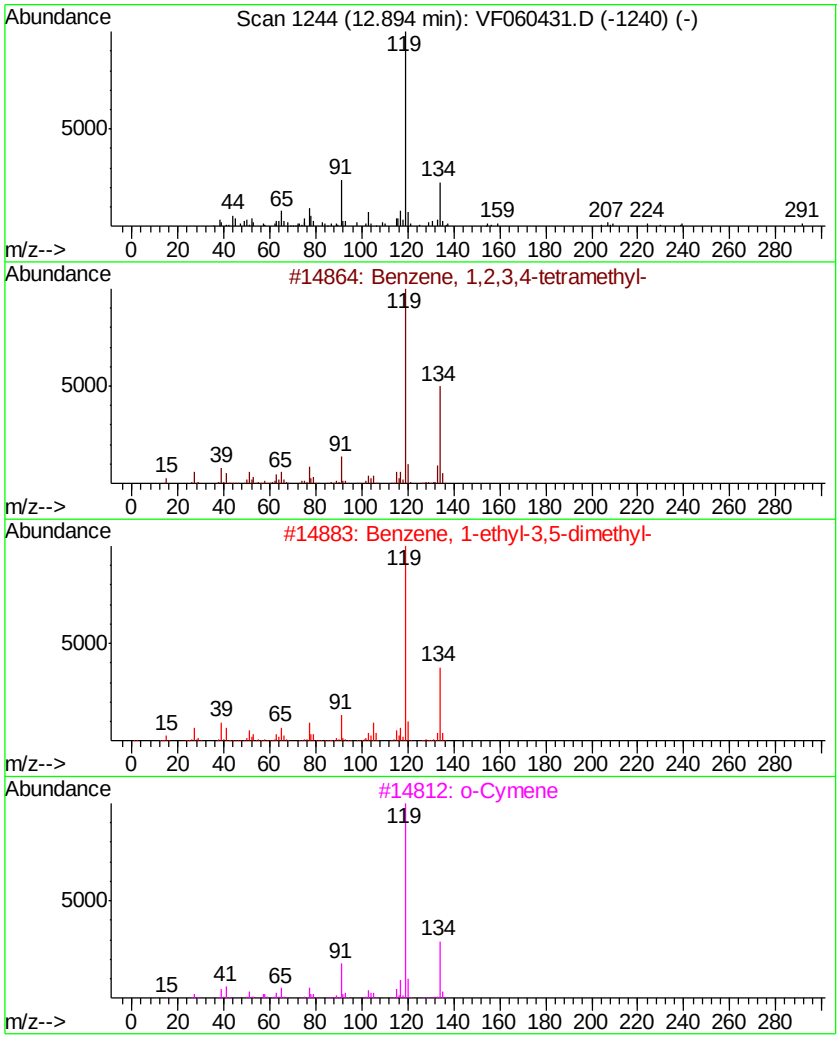
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

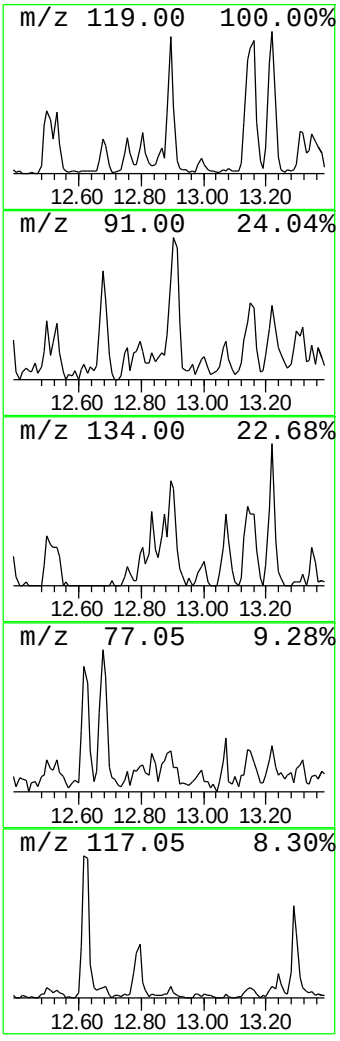
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	6.53 ug/l	87586	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83
3	o-Cymene	134	C10H14	000527-84-4	81
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	80
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

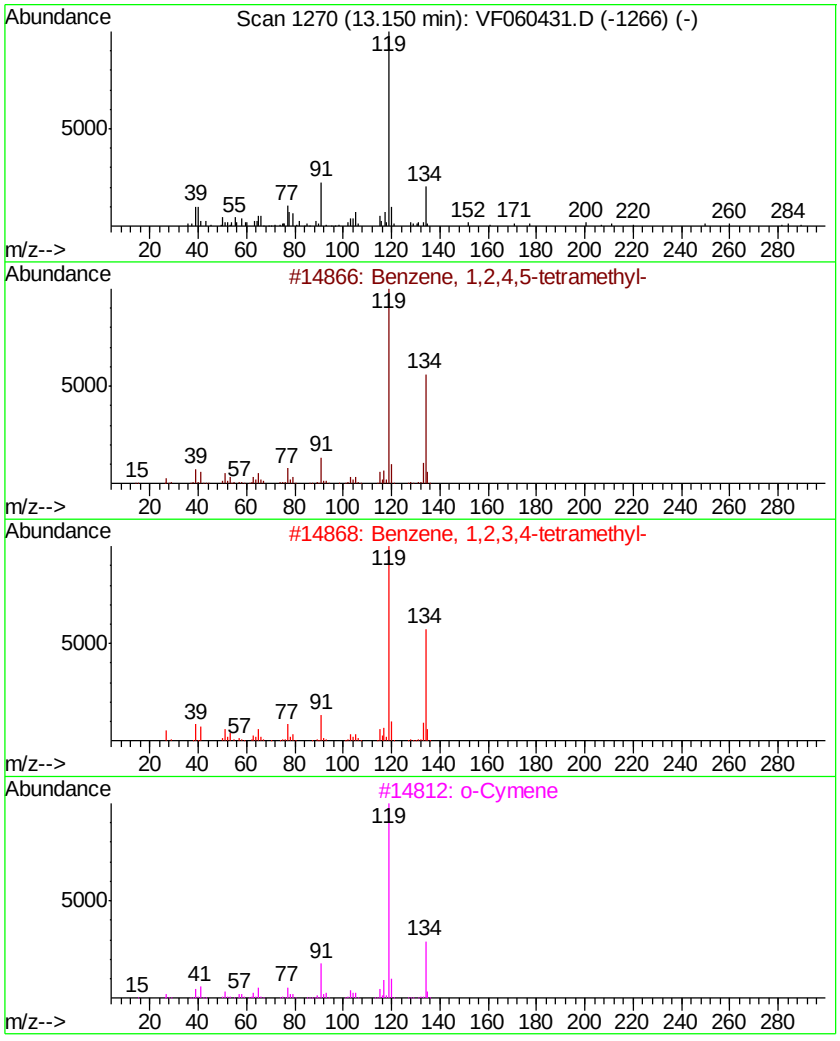
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

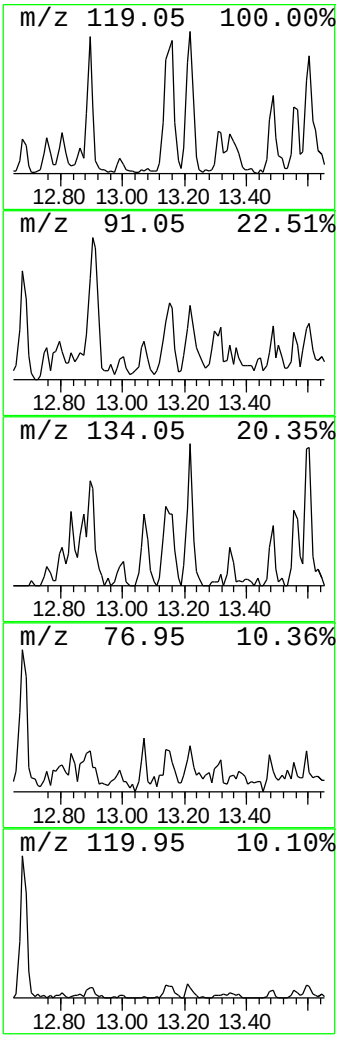
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	5.47 ug/l	73413	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
3	o-Cymene	134	C10H14	000527-84-4	87
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA_F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.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
Cyclohexane, ethyl-	8.59	5.6	ug/l	96725	3	9.90	868264	50.0
Cyclohexane, 1,1,...	8.75	6.0	ug/l	104770	3	9.90	868264	50.0
Benzene, 1-ethyl-...	11.79	9.9	ug/l	132852	4	12.62	670879	50.0
Benzene, 1,2,4-tr...	12.68	10.1	ug/l	135085	4	12.62	670879	50.0
Benzene, 1,2,3,4-...	12.89	6.5	ug/l	87586	4	12.62	670879	50.0
Benzene, 1,2,4,5-...	13.15	5.5	ug/l	73413	4	12.62	670879	50.0