LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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	1.132	47	51	64	rBV	69384	281411	4.13%	0.444%
2	1.349	69	73	74	rVV	62111	107072	1.57%	0.169%
3	1.398	74	78	83	rVV3	98677	333935	4.91%	0.527%
4	1.477	83	86	87	rVV	80648	138596	2.04%	0.219%
5	1.507	87	89	92	rVV2	91831	184121	2.70%	0.291%
6	1.566	92	95	100	rVV	97968	207068	3.04%	0.327%
7	1.674	104	106	117	rVB	72913	186294	2.74%	0.294%
8	2.078	137	147	160	rBV5	100088	509286	7.48%	0.804%
9	2.266	161	166	168	rVV3	56180	128203	1.88%	0.202%
10	2.315	168	171	179	rVB4	42180	129299	1.90%	0.204%
11	2.473	181	187	193	rVB4	57614	162594	2.39%	0.257%
12	2.650	200	205	207	rBV2	28806	71188	1.05%	0.112%
13	3.044	240	245	255	rVB3	78900	234342	3.44%	0.370%
14	3.675	299	309	314	rBV3	36495	126837	1.86%	0.200%
15	3.892	320	331	339	rBV4	33665	159095	2.34%	0.251%
16	4.020	339	344	350	rVV4	20358	89251	1.31%	0.141%
17	4.168	353	359	364	rVV4	48569	177785	2.61%	0.281%
18	4.267	364	369	379	rVB	198340	611981	8.99%	0.966%
19	4.523	390	395	400	rVV7	19081	72807	1.07%	0.115%
20	4.631	400	406	414	rVV3	42131	190935	2.80%	0.301%
21	4.789	416	422	431	rVB	116633	371333	5.45%	0.586%
22	5.016	437	445	462	rBV2	474414	1717169	25.22%	2.711%
23	5.607	498	505	510	rVV3	37541	122229	1.80%	0.193%
24	5.745	513	519	529	rVV	575641	1552424	22.80%	2.451%
25	5.883	529	533	541	rVB8	19517	81111	1.19%	0.128%
26	6.406	580	586	592	rBV3	32906	110400	1.62%	0.174%
27	6.573	599	603	607	rBV4	24960	74562	1.10%	0.118%
28	6.948	634	641	644	rBV3	26388	76596	1.13%	0.121%
29	7.017	644	648	656	rVB3	22029	68209	1.00%	0.108%
30	7.687	710	716	719	rVV	495750	1158336	17.01%	1.829%
31	7.756	719	723	734	rVB	1620463	3927799	57.70%	6.202%
32	9.895	935	940	947	rBV	716464	1571216	23.08%	2.481%
33	10.023	947	953	958	rVV	793819	1713641	25.17%	2.706%
34	10.250	970	976	983	rBV	3105674	6807848	100.00%	10.750%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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	10.812	1025	1033	1038	rBV	2059088	3909918	57.43%	6.174%
36	11.216	1070	1074	1079	rVV	119736	241463	3.55%	0.381%
37	11.305	1079	1083	1085	rVV2	56185	105970	1.56%	0.167%
38	11.492	1098	1102	1107	rBV	505619	850743	12.50%	1.343%
39	11.669	1118	1120	1124	rVB	295154	464342	6.82%	0.733%
40	11.788	1128	1132	1137	rVV	2069899	4004811	58.83%	6.324%
41	11.896	1140	1143	1147	rVB	1054187	1572073	23.09%	2.482%
42	12.093	1158	1163	1166	rVV	1266090	1923463	28.25%	3.037%
43	12.271	1178	1181	1187	rVB	3296511	5436230	79.85%	8.584%
44	12.369	1187	1191	1195	rVB3	103960	204964	3.01%	0.324%
45	12.498	1201	1204	1210	rBV	123310	238742	3.51%	0.377%
46	12.616	1213	1216	1219	rVV	988194	1474476	21.66%	2.328%
47	12.675	1219	1222	1226	rVV	1564314	2079862	30.55%	3.284%
48	12.783	1230	1233	1236	rVV2	987569	1699520	24.96%	2.684%
49	12.833	1236	1238	1240	rVV	449344	633214	9.30%	1.000%
50	12.892	1240	1244	1249	rVB4	654508	1386213	20.36%	2.189%
51	12.990	1250	1254	1257	rBV	83886	115148	1.69%	0.182%
52	13.069	1259	1262	1265	rVB	288480	394494	5.79%	0.623%
53	13.138	1265	1269	1274	rBV	601165	1361603	20.00%	2.150%
54	13.217	1274	1277	1282	rVV	771996	1256704	18.46%	1.984%
55	13.286	1282	1284	1288	rVV	331386	565718	8.31%	0.893%
56	13.345	1288	1290	1293	rVV	95673	137916	2.03%	0.218%
57	13.483	1301	1304	1308	rVV	259290	445262	6.54%	0.703%
58	13.552	1308	1311	1313	rVV	570803	764906	11.24%	1.208%
59	13.592	1313	1315	1318	rVV	725970	1138208	16.72%	1.797%
60	13.671	1321	1323	1325	rVV	84728	122232	1.80%	0.193%
61	13.769	1329	1333	1336	rBV	501179	783475	11.51%	1.237%
62	13.809	1336	1337	1340	rVV3	52349	71839	1.06%	0.113%
63	13.868	1340	1343	1345	rVV	122996	186449	2.74%	0.294%
64	13.907	1345	1347	1352	rVV2	801039	1470634	21.60%	2.322%
65	13.976	1352	1354	1356	rVV2	125945	198859	2.92%	0.314%
66	14.025	1356	1359	1362	rVV2	146912	268744	3.95%	0.424%
67	14.104	1362	1367	1368	rVV3	89837	176043	2.59%	0.278%
68	14.134	1368	1370	1373	rVV	183367	257339	3.78%	0.406%
69	14.203	1373	1377	1380	rVV3	180492	457992	6.73%	0.723%
70	14.272	1380	1384	1389	rVB	194735	346003	5.08%	0.546%
71	14.361	1389	1393	1397	rBV5	27615	70089	1.03%	0.111%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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	14.508	1402	1408	1411	rBV	881613	1327633	19.50%	2.096%
73	14.646	1420	1422	1425	rVB	135216	158055	2.32%	0.250%
74	14.784	1433	1436	1441	rVB2	155962	294113	4.32%	0.464%
75	14.903	1443	1448	1450	rBV2	67656	139870	2.05%	0.221%
76	14.932	1450	1451	1455	rVB	65183	94661	1.39%	0.149%
77	15.336	1488	1492	1496	rBV	403188	582523	8.56%	0.920%
78	15.465	1502	1505	1509	rVB	238157	357750	5.25%	0.565%
79	16.056	1562	1565	1566	rBV	68324	104342	1.53%	0.165%

Sum of corrected areas: 63329581

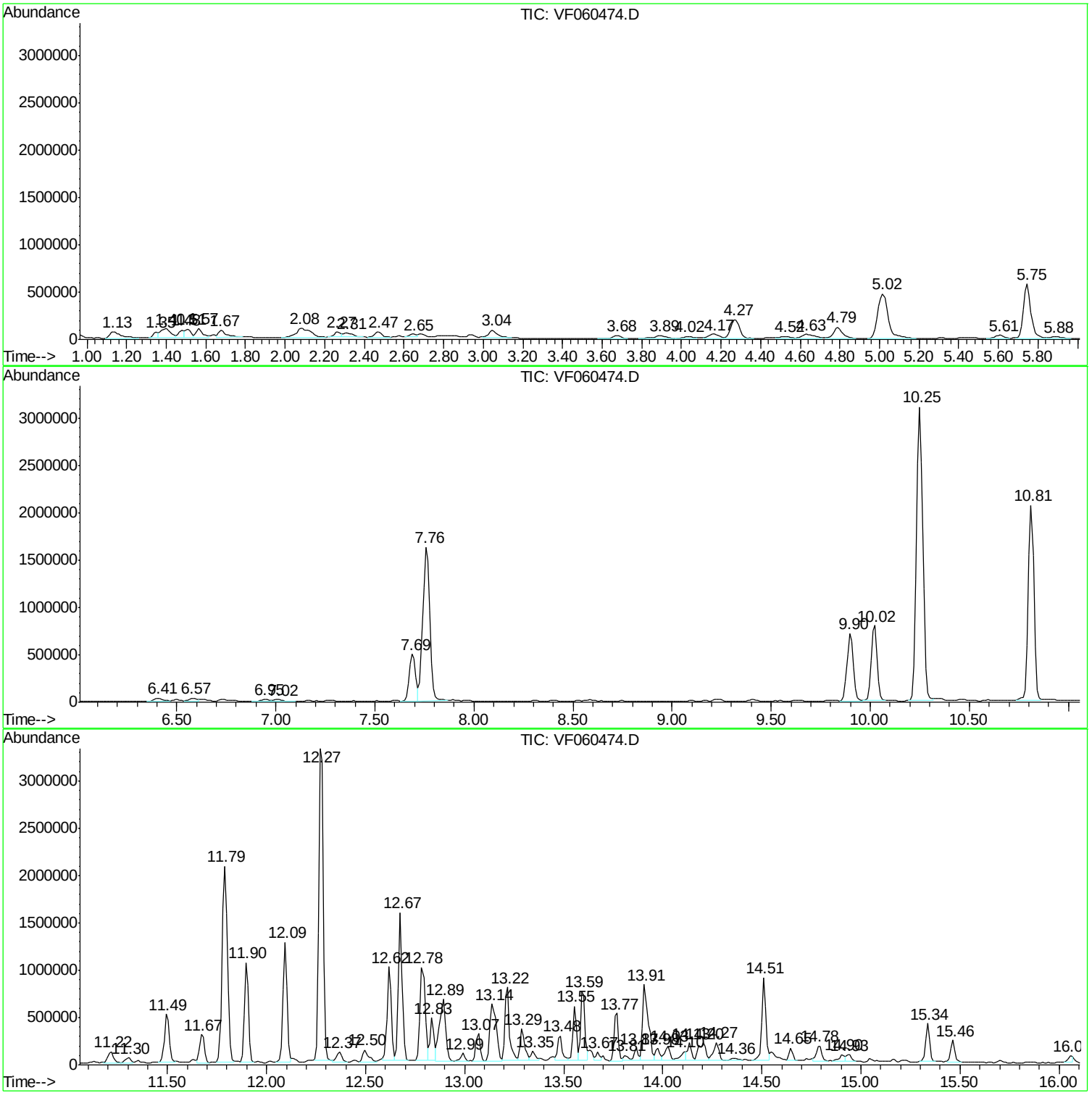
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

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\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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

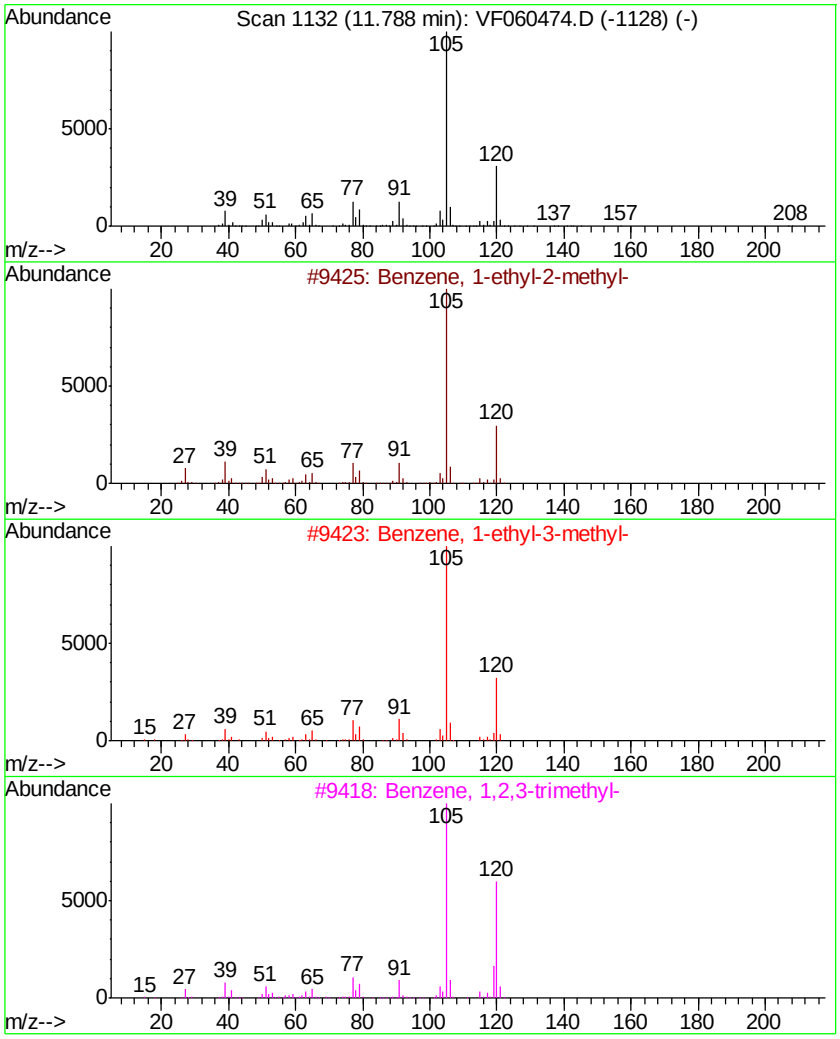
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

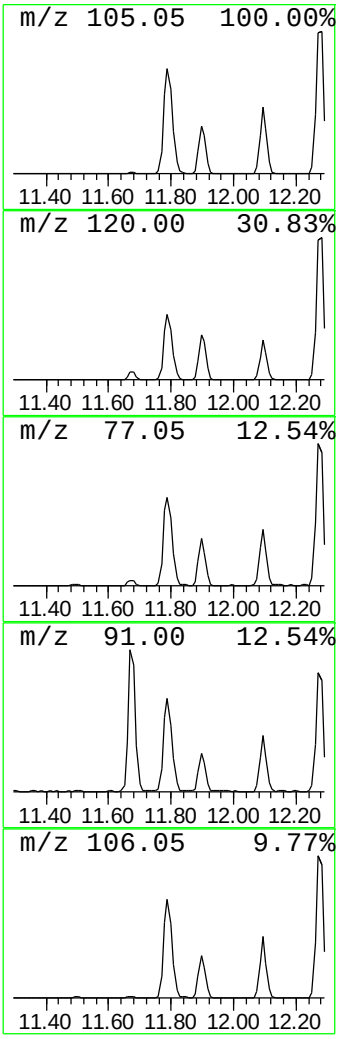
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	135.81 ug/l	4004810	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	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA_F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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

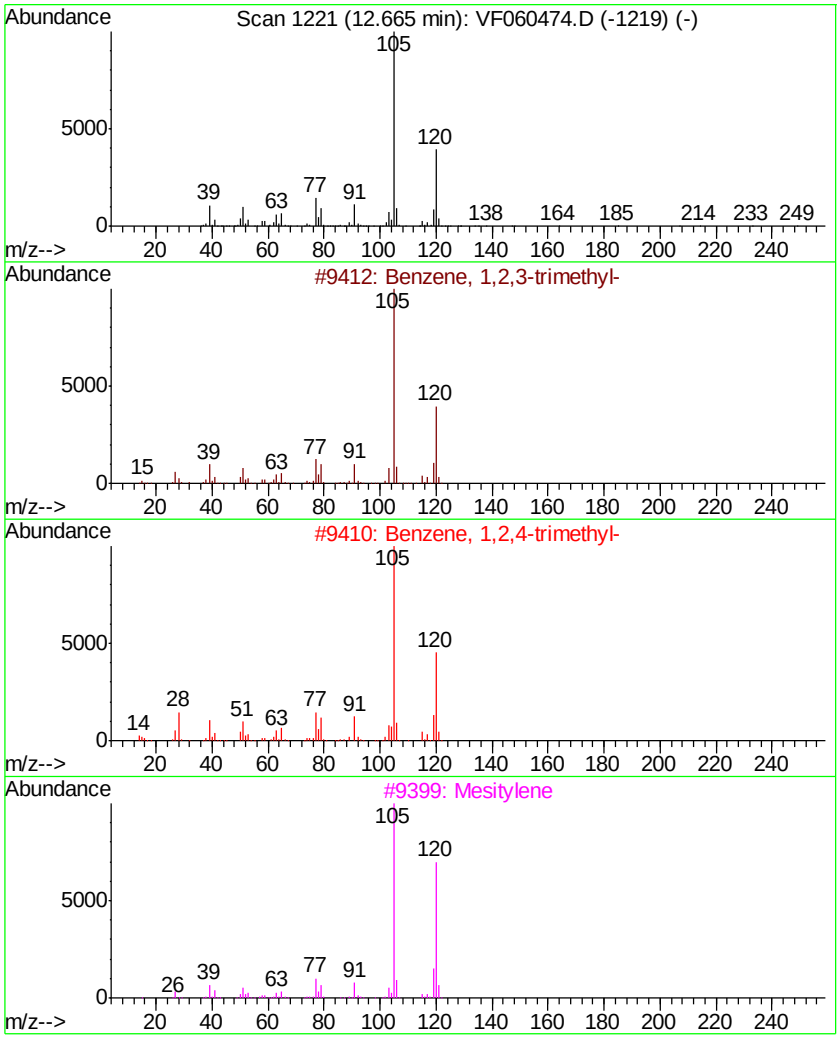
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

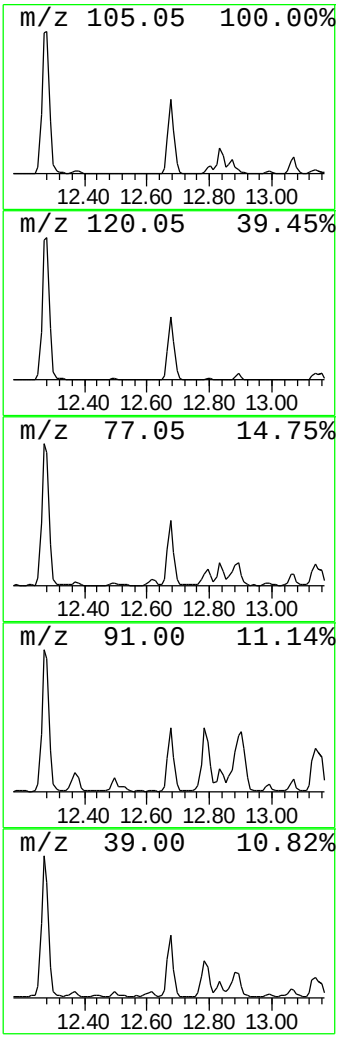
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	70.53 ug/l	2079860	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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

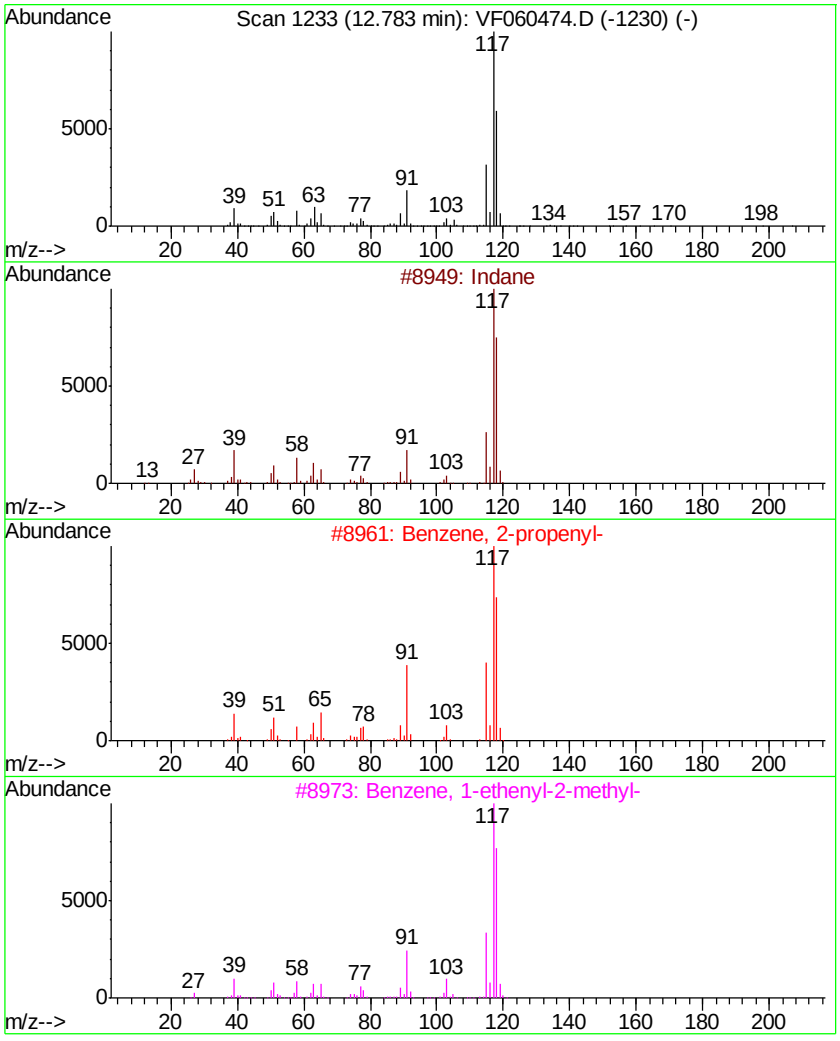
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

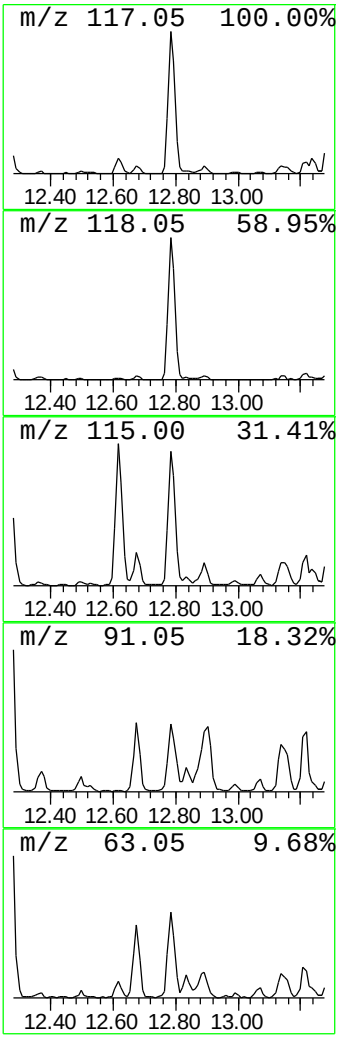
****

Peak Number 4 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	57.63 ug/l	1699520	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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

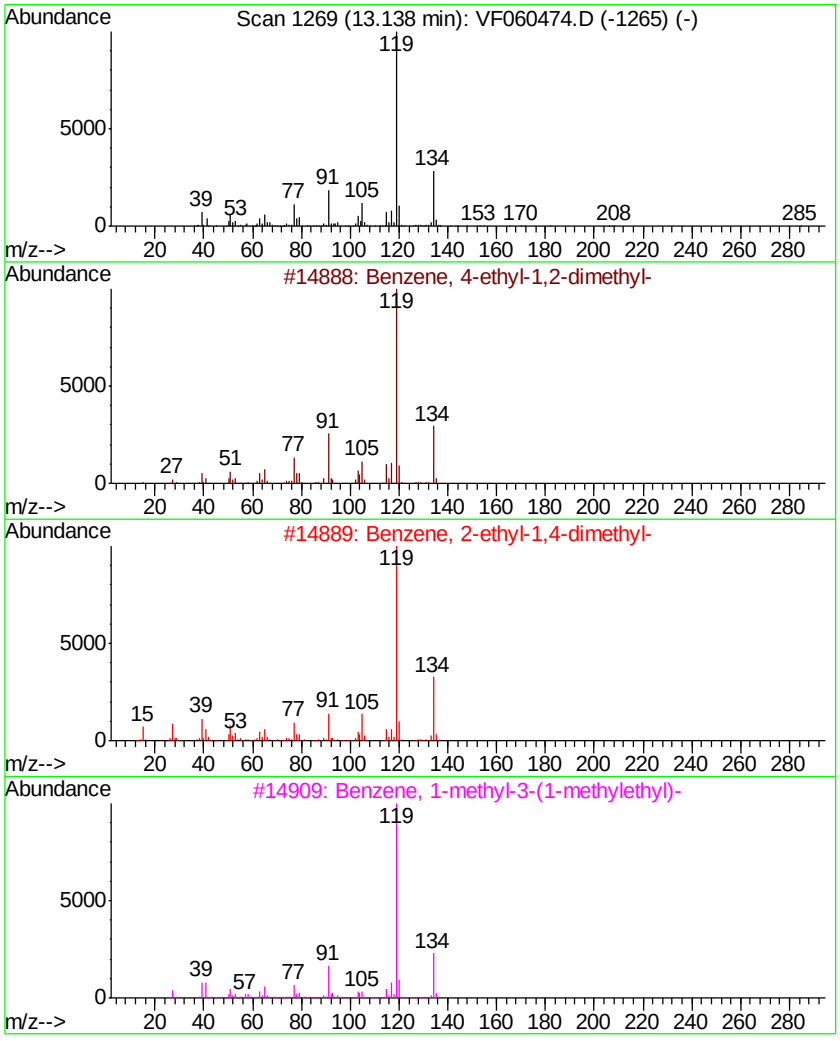
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

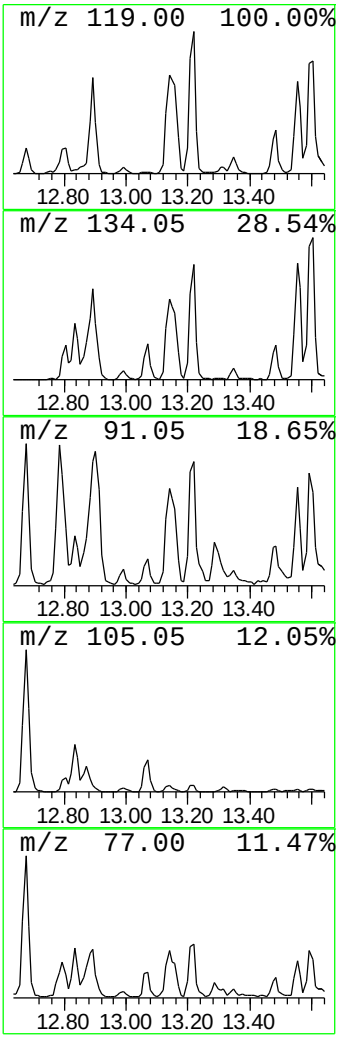
****

Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	46.17 ug/l	1361600	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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

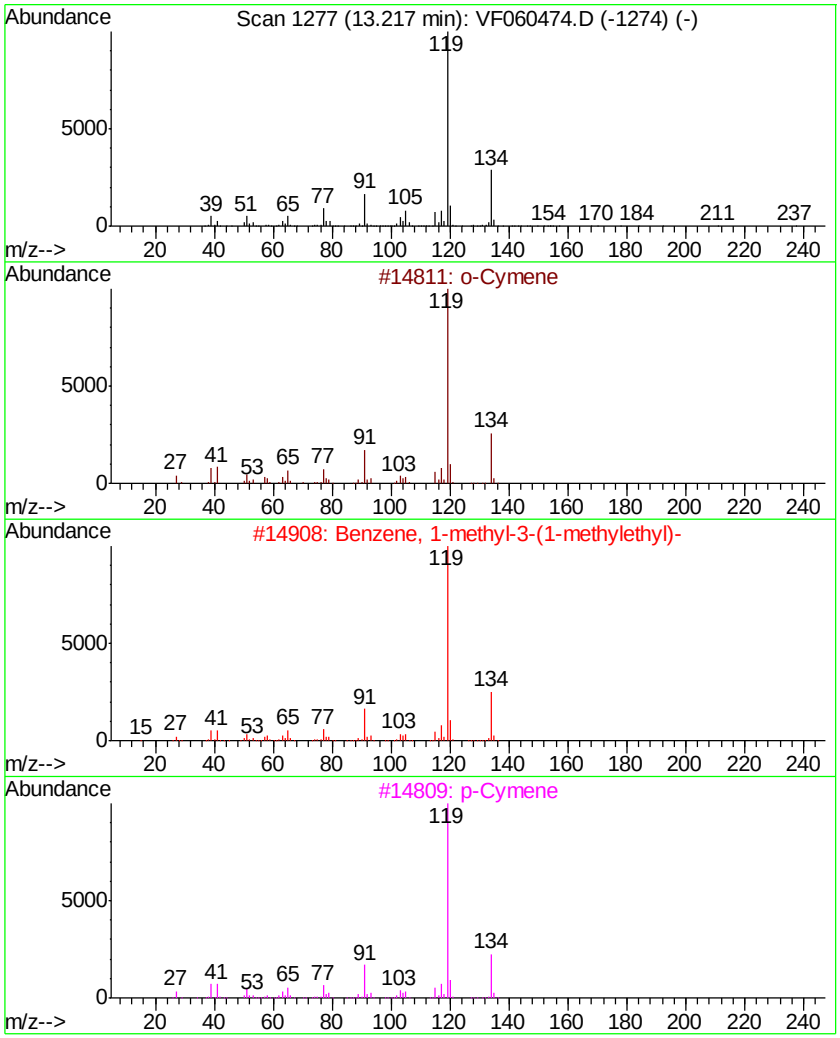
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

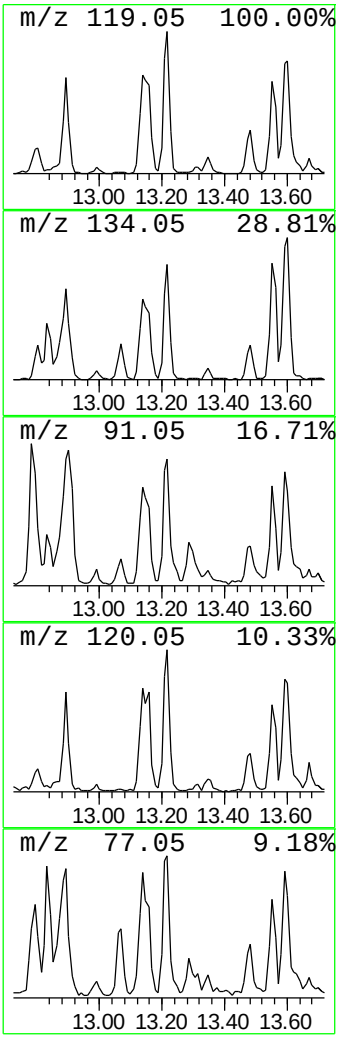
****

Peak Number 6 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	42.62 ug/l	1256700	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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

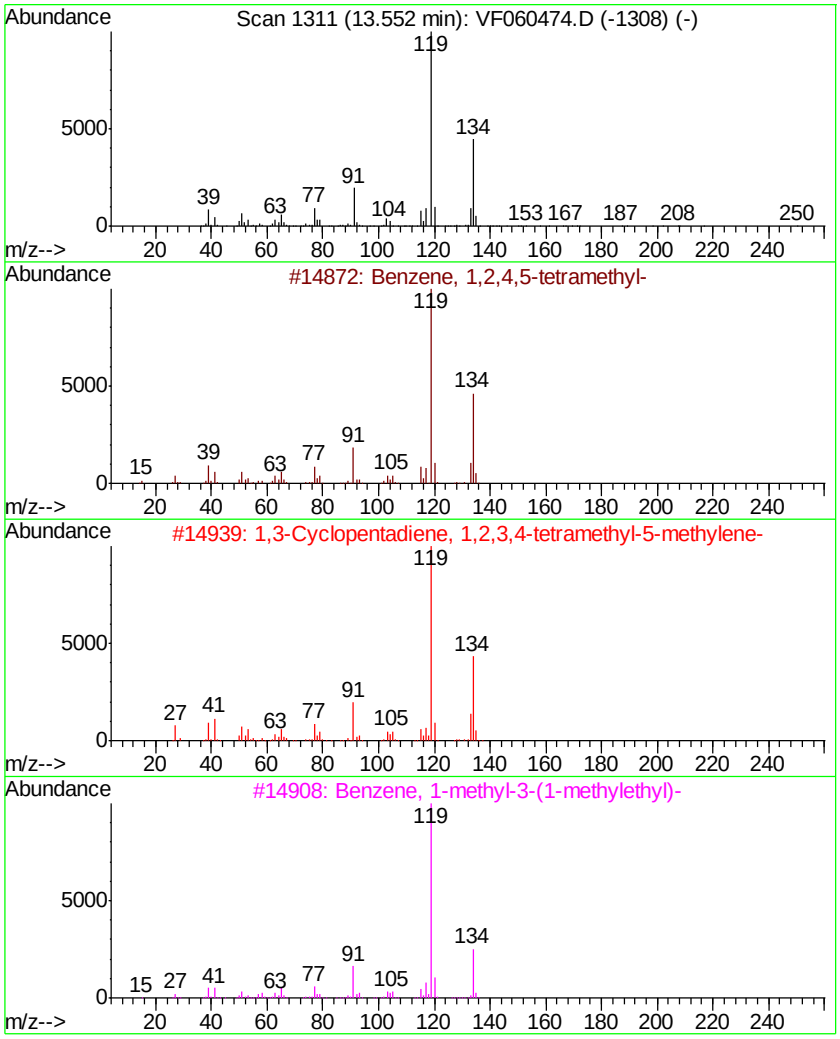
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

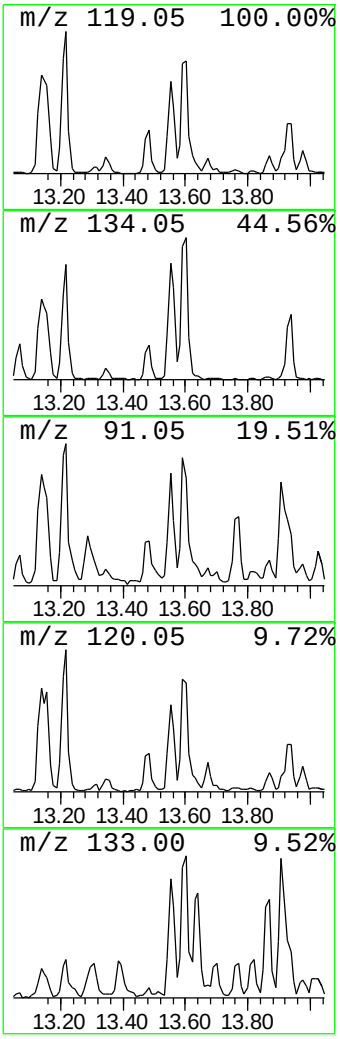
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	25.94 ug/l	764906	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	95
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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

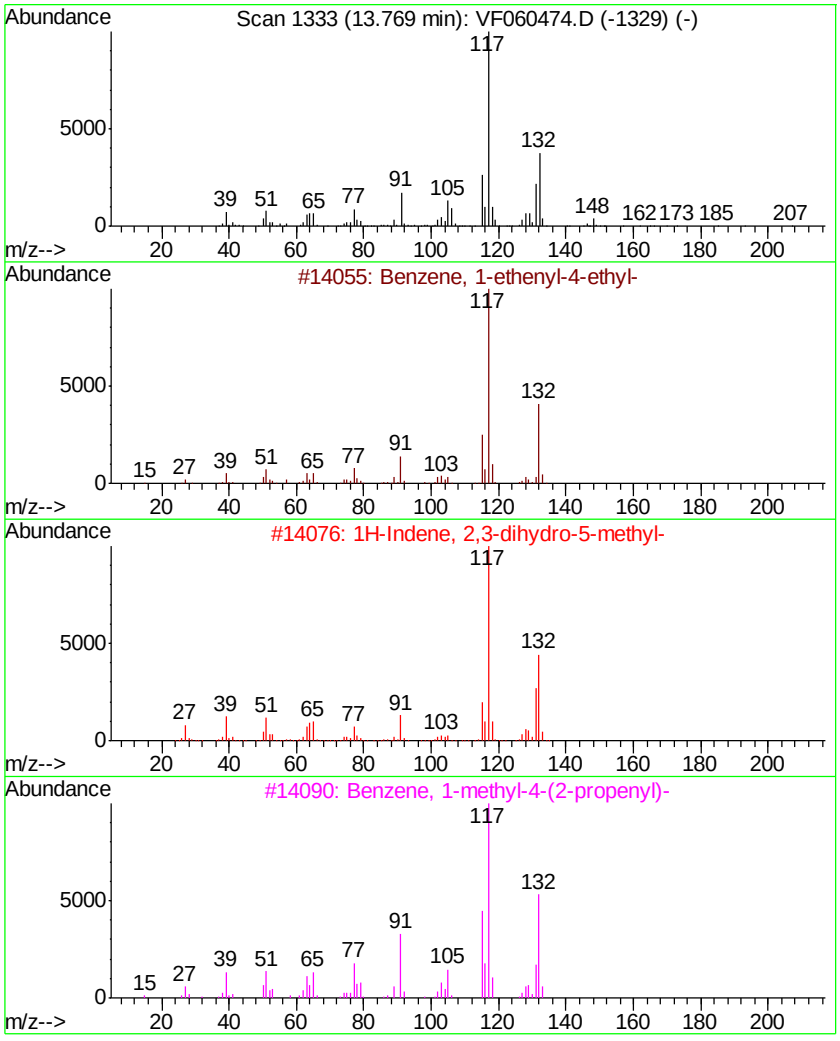
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

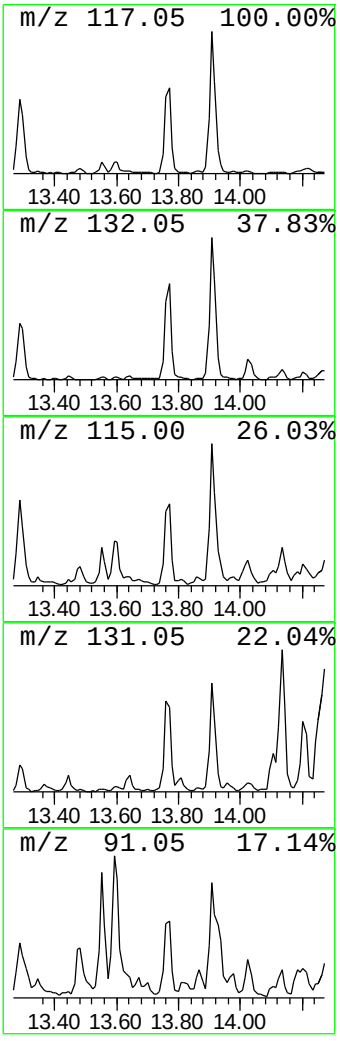
****

Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	26.57 ug/l	783475	1,4-Dichlorobenzene-d4	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA_F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-1A(12.5-13)

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
Benzene, 1-ethyl-...	11.79	135.8	ug/l	4004810	4	12.62	1474480	50.0
Benzene, 1,2,3-tr...	12.67	70.5	ug/l	2079860	4	12.62	1474480	50.0
Indane	12.78	57.6	ug/l	1699520	4	12.62	1474480	50.0
Benzene, 4-ethyl-...	13.14	46.2	ug/l	1361600	4	12.62	1474480	50.0
o-Cymene	13.22	42.6	ug/l	1256700	4	12.62	1474480	50.0
Benzene, 1,2,4,5-...	13.55	25.9	ug/l	764906	4	12.62	1474480	50.0
Benzene, 1-etheny...	13.77	26.6	ug/l	783475	4	12.62	1474480	50.0