LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057104.D
Acq On : 22 Sep 2015 14:29
Operator : SY/FY
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 250 Area counts
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.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	4.058	338	345	359	rBV	675952	2173921	7.62%	0.431%
2	4.805	408	416	434	rBV2	1243836	4843595	16.98%	0.960%
3	5.541	480	486	496	rBV	1389135	3765458	13.20%	0.747%
4	6.972	616	622	632	rBV2	84132	336543	1.18%	0.067%
5	7.497	667	672	688	rVV	2119020	5448433	19.10%	1.080%
6	8.392	753	757	765	rVB2	218827	592625	2.08%	0.118%
7	8.558	768	773	777	rBV	142402	373101	1.31%	0.074%
8	8.917	801	807	811	rBV4	175310	555500	1.95%	0.110%
9	9.054	816	820	827	rVB	346881	886502	3.11%	0.176%
10	9.231	831	837	842	rBV	312335	733536	2.57%	0.145%
11	9.629	866	875	878	rVV4	94816	364585	1.28%	0.072%
12	9.703	878	882	891	rVV	1977679	5058265	17.73%	1.003%
13	9.830	891	894	898	rVV3	118739	320425	1.12%	0.064%
14	10.167	919	926	934	rBV4	274530	945278	3.31%	0.187%
15	10.283	934	937	943	rVV	197968	458848	1.61%	0.091%
16	10.452	947	953	957	rVV3	349489	1102345	3.86%	0.219%
17	10.610	961	968	976	rBV2	1267018	3181698	11.15%	0.631%
18	10.725	976	979	981	rVV	249686	581991	2.04%	0.115%
19	10.767	981	983	991	rVV2	395920	1070033	3.75%	0.212%
20	10.884	991	994	998	rVB3	160331	368696	1.29%	0.073%
21	10.990	999	1004	1007	rBV2	623352	1629778	5.71%	0.323%
22	11.064	1007	1011	1013	rVV2	1210618	2608190	9.14%	0.517%
23	11.106	1013	1015	1018	rVV	1138187	1818919	6.38%	0.361%
24	11.212	1018	1025	1028	rVB2	1853038	4049571	14.20%	0.803%
25	11.350	1033	1038	1044	rVV3	1780319	5198348	18.22%	1.031%
26	11.433	1044	1046	1049	rVV3	627914	1354497	4.75%	0.269%
27	11.495	1049	1052	1054	rVV	1775673	3210394	11.26%	0.637%
28	11.548	1054	1057	1060	rVV3	976347	2757285	9.67%	0.547%
29	11.611	1060	1063	1066	rVV2	754155	1827434	6.41%	0.362%
30	11.664	1066	1068	1070	rVV2	694950	1492944	5.23%	0.296%
31	11.717	1070	1073	1075	rVV2	788527	1799076	6.31%	0.357%
32	11.759	1075	1077	1080	rVV2	678861	1405961	4.93%	0.279%
33	11.832	1080	1084	1086	rVV2	757233	1931722	6.77%	0.383%
34	11.896	1086	1090	1091	rVV2	1304858	3037381	10.65%	0.602%

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Instrument : MSVOA_H
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 9
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Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Title : SW846 8260

35	11.938	1091	1094	1098	rVV	3903135	7374298	25.85%	1.462%
36	12.012	1098	1101	1105	rVV2	1243441	3563970	12.49%	0.707%
37	12.085	1105	1108	1110	rVV2	1862334	4251340	14.90%	0.843%
38	12.138	1110	1113	1117	rVV3	5518305	12092221	42.39%	2.398%
39	12.222	1118	1121	1124	rVV4	1622373	4442849	15.58%	0.881%
40	12.264	1124	1125	1127	rVV2	1329674	2202068	7.72%	0.437%
41	12.327	1127	1131	1132	rVV	2970963	6342007	22.23%	1.258%
42	12.359	1132	1134	1136	rVV2	3036705	5664191	19.86%	1.123%
43	12.391	1136	1137	1142	rVV2	3725556	8185164	28.70%	1.623%
44	12.476	1142	1145	1148	rVV2	4600848	8929295	31.30%	1.771%
45	12.538	1148	1151	1154	rVV	3579209	7726281	27.09%	1.532%
46	12.602	1154	1157	1159	rVV3	1480445	4133814	14.49%	0.820%
47	12.676	1161	1164	1165	rVV3	2082125	4699404	16.48%	0.932%
48	12.718	1165	1168	1171	rVV2	3737752	10775992	37.78%	2.137%
49	12.770	1171	1173	1177	rVV3	3985559	10271315	36.01%	2.037%
50	12.866	1179	1182	1188	rVV4	3406513	14012546	49.13%	2.779%
51	12.951	1188	1190	1193	rVV	3081386	6452266	22.62%	1.279%
52	13.025	1193	1197	1201	rVV4	3565663	15347647	53.81%	3.043%
53	13.079	1201	1202	1204	rVV	4312393	7011159	24.58%	1.390%
54	13.132	1204	1207	1210	rVV3	5069294	13903097	48.74%	2.757%
55	13.185	1210	1212	1213	rVV	2425324	4047518	14.19%	0.803%
56	13.217	1213	1215	1219	rVV3	6047539	15805337	55.41%	3.134%
57	13.269	1219	1220	1221	rVV	3860054	4528296	15.88%	0.898%
58	13.311	1221	1224	1227	rVV3	6243804	15868843	55.63%	3.147%
59	13.354	1227	1228	1232	rVV4	2579377	7500880	26.30%	1.487%
60	13.417	1232	1234	1237	rVV2	5076247	10901029	38.22%	2.162%
61	13.470	1237	1239	1246	rVV2	4979882	16800833	58.90%	3.331%
62	13.564	1246	1248	1250	rVV	2992213	6037177	21.17%	1.197%
63	13.638	1252	1255	1258	rVV3	4625844	14294888	50.12%	2.835%
64	13.691	1258	1260	1262	rVV2	4007730	8881535	31.14%	1.761%
65	13.733	1262	1264	1266	rVV2	4395022	9272981	32.51%	1.839%
66	13.775	1266	1268	1273	rVV3	11073032	28523700	100.00%	5.656%
67	13.849	1273	1275	1277	rVV	5277622	9315820	32.66%	1.847%
68	13.890	1277	1279	1281	rVV2	2946737	5961561	20.90%	1.182%
69	13.933	1281	1283	1284	rVV	1895688	3330198	11.68%	0.660%
70	13.997	1284	1289	1292	rVV2	3619998	14440702	50.63%	2.863%
71	14.081	1292	1297	1301	rVV5	6765712	23472132	82.29%	4.654%

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Integrator: RTE
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72	14.144	1301	1303	1308	rVV3	5133698	14379412	50.41%	2.851%
73	14.229	1308	1311	1314	rVV3	3892494	10534557	36.93%	2.089%
74	14.283	1314	1316	1319	rVV4	2989727	6881765	24.13%	1.365%
75	14.376	1323	1325	1327	rVV2	3541813	7079682	24.82%	1.404%
76	14.419	1327	1329	1333	rVV3	2770423	7582985	26.58%	1.504%
77	14.483	1333	1335	1336	rVV	2594656	4137412	14.51%	0.820%
78	14.515	1336	1338	1345	rVV4	2393164	9139490	32.04%	1.812%
79	14.654	1349	1351	1357	rVV2	3295245	7807812	27.37%	1.548%
80	14.739	1357	1359	1361	rVV2	1248066	2539137	8.90%	0.503%
81	14.780	1361	1363	1369	rVV4	1093884	4076609	14.29%	0.808%
82	14.908	1373	1375	1380	rVV3	1104806	2501959	8.77%	0.496%
83	14.981	1380	1382	1383	rVV	333058	523891	1.84%	0.104%
84	15.023	1383	1386	1388	rVV	644303	1172159	4.11%	0.232%
85	15.075	1388	1391	1397	rVV5	478433	1116947	3.92%	0.221%
86	15.190	1397	1402	1405	rVB2	488012	881756	3.09%	0.175%
87	15.306	1410	1413	1417	rVB	157200	302942	1.06%	0.060%

Sum of corrected areas: 504305747

LSC Report - Integrated Chromatogram

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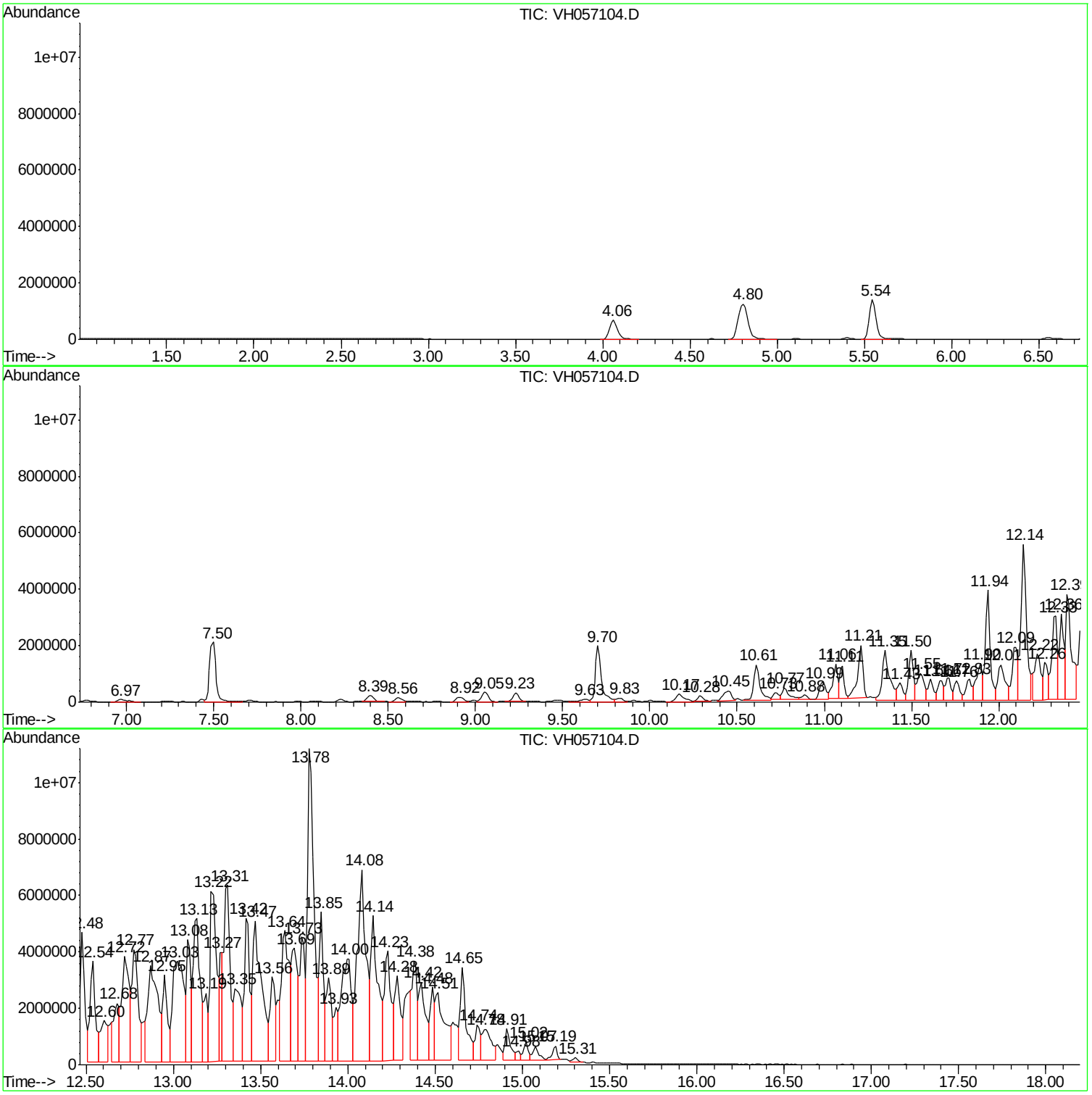
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057104.D
Acq On : 22 Sep 2015 14:29
Operator : SY/FY
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Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

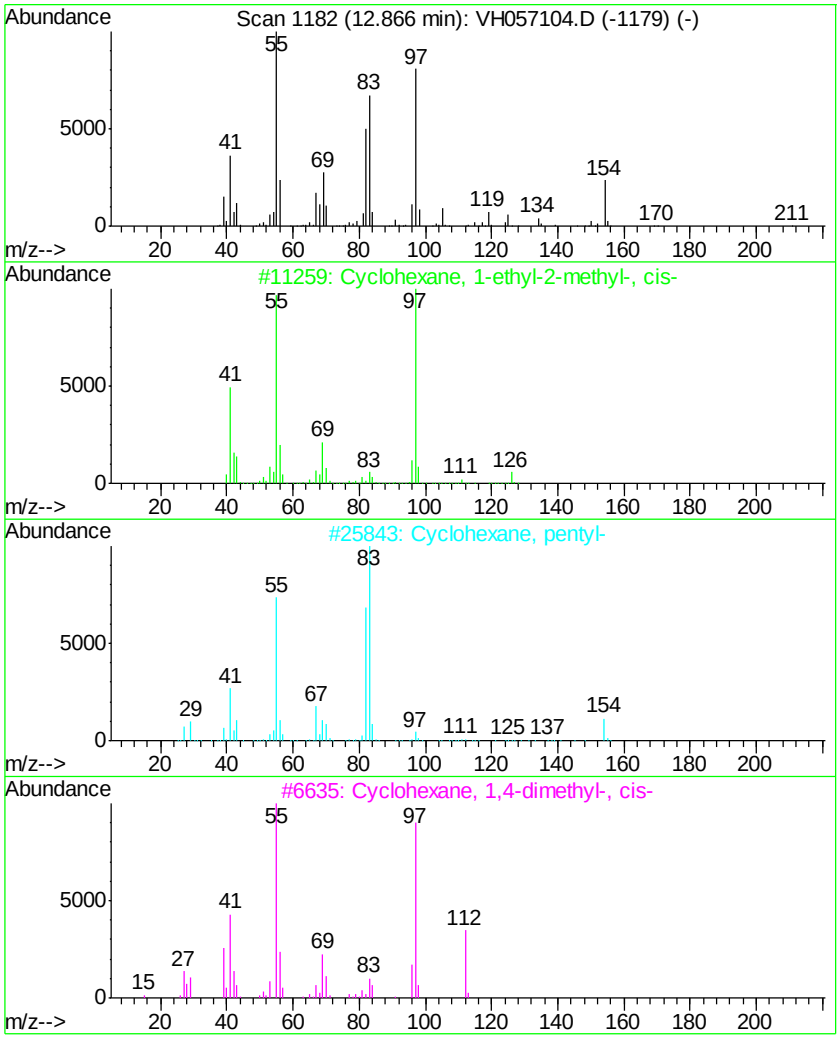
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

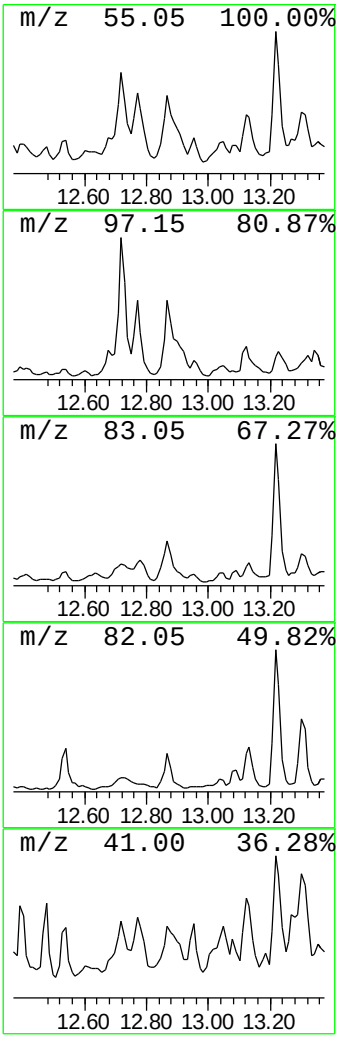
****

Peak Number 1 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	78.46 ug/l	14012500	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	55
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	46
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	43
5	2-Pentene, 5-bromo-2,3-dimethyl-	176	C7H13Br	056312-52-8	43





Library Search Compound Report

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Data File : VH057104.D
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Operator : SY/FY
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

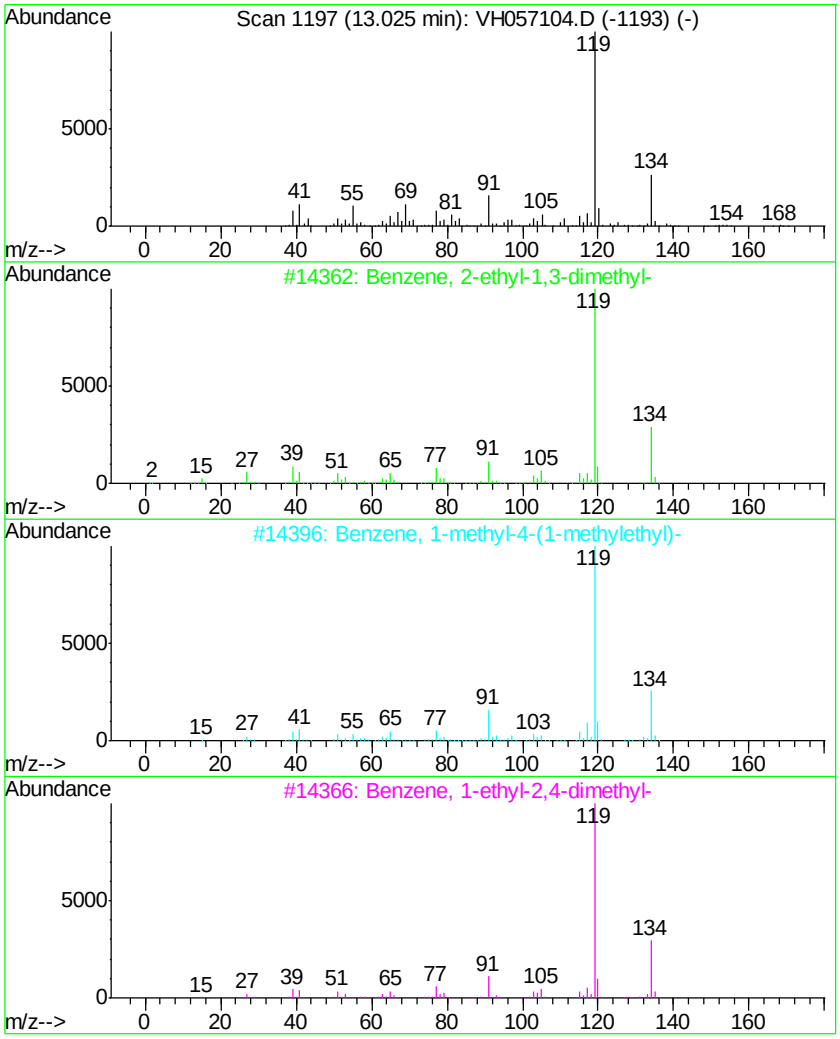
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

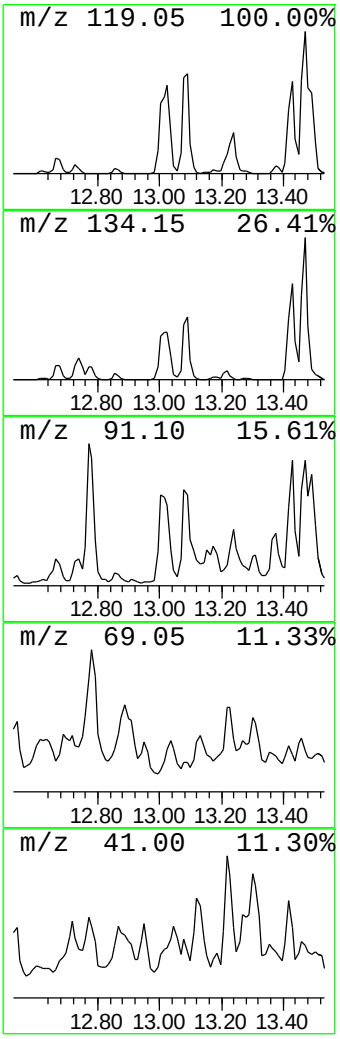
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	85.94 ug/l	15347600	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	93
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87





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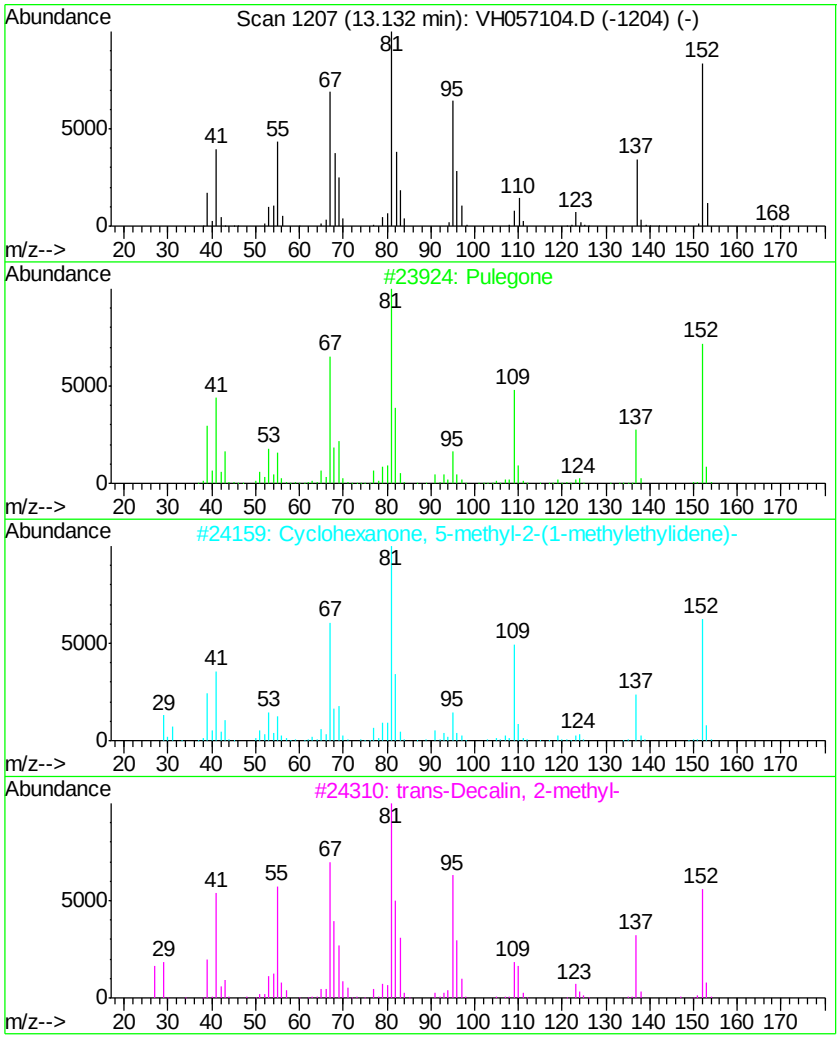
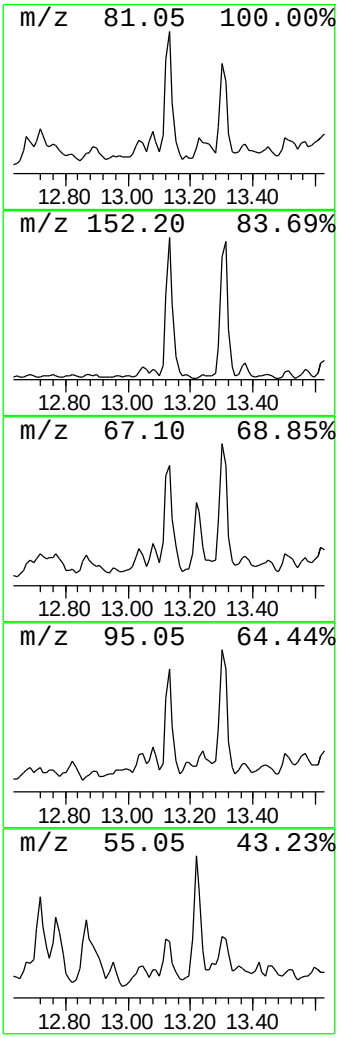
Peak Number 3 Pulegone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	77.85 ug/l	13903100	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pulegone	152	C10H16O	000089-82-7	83
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	80
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	72
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	53
5	8-Oxabicyclo[3.2.1]oct-6-en-3-on...	152	C9H12O2	049747-05-9	52





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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
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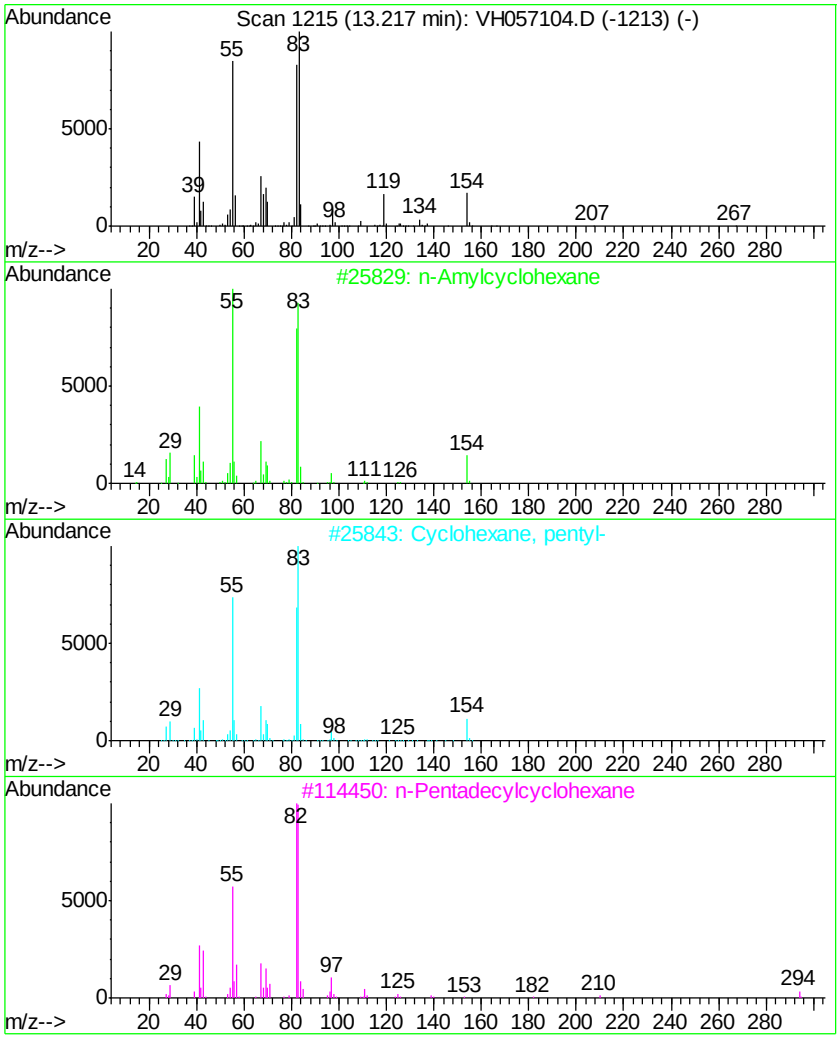
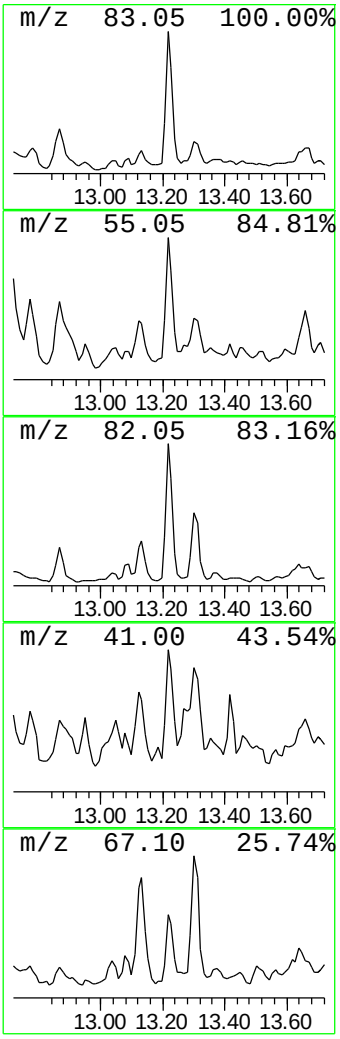
****

Peak Number 4 n-Amylcyclohexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	88.50 ug/l	15805300	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Amylcyclohexane	154	C11H22	029949-27-7	90
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	90
3	n-Pentadecylcyclohexane	294	C21H42	006006-95-7	72
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	72
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	72





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Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

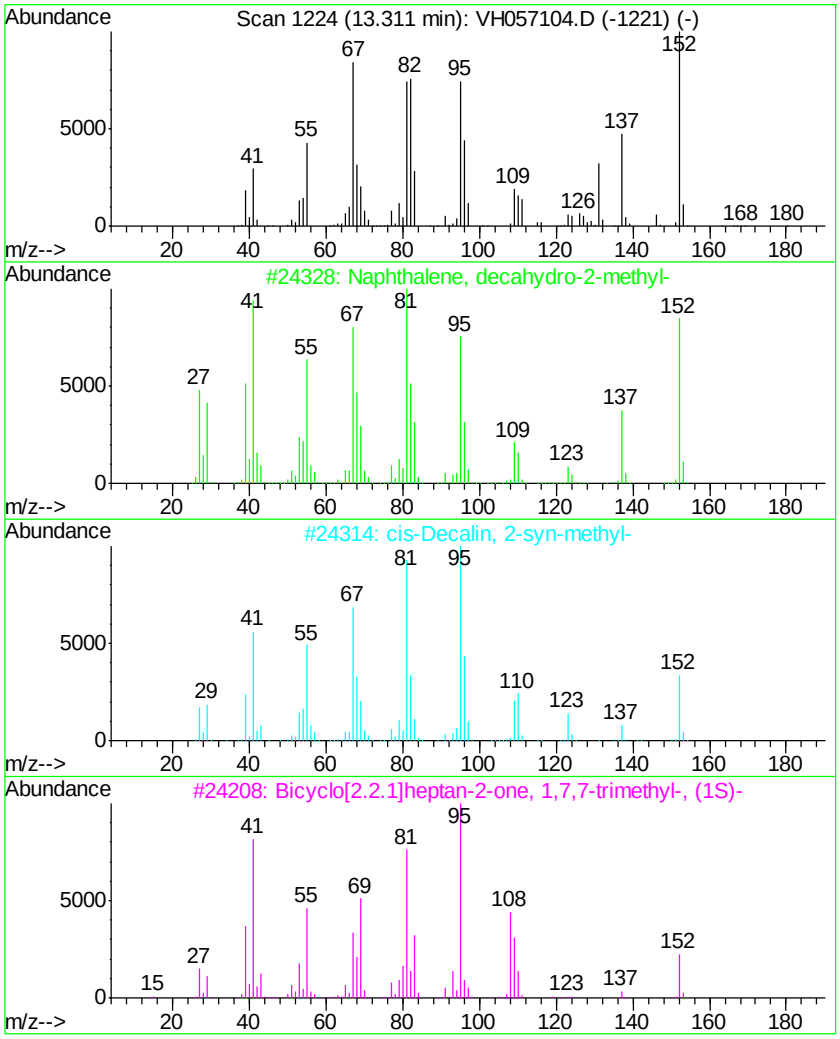
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

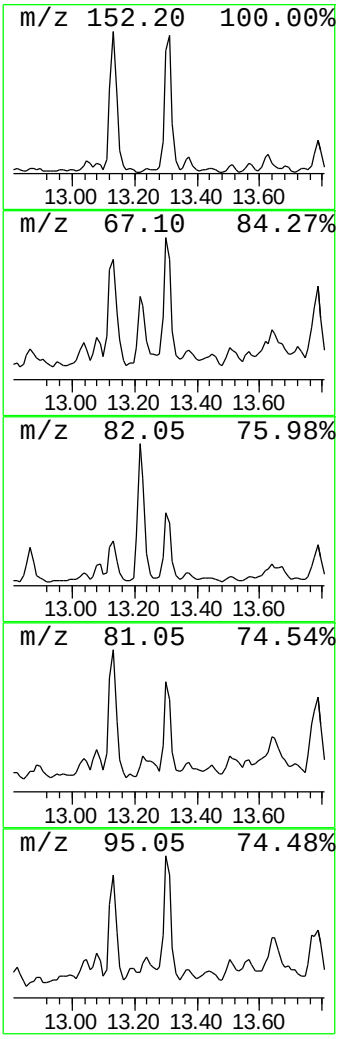
****

Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	88.86 ug/l	15868800	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	58
4	Bicyclo[5.4.0]undecane (trans)	152	C11H20	021394-30-9	53
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	52





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Operator : SY/FY
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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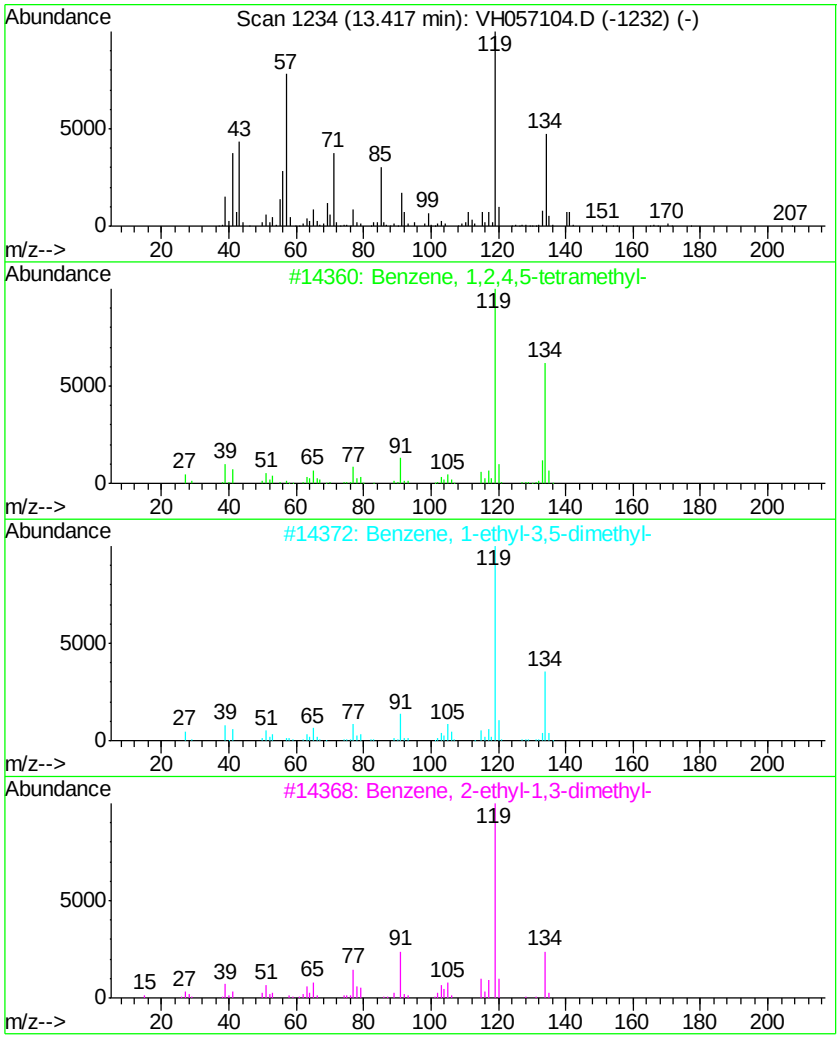
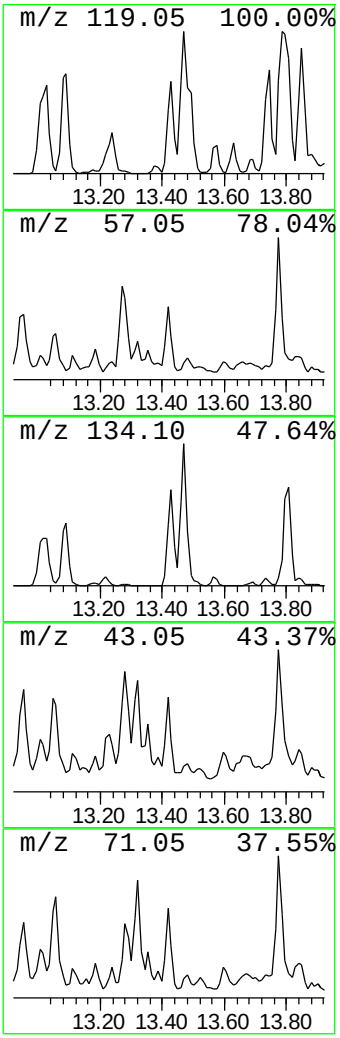
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	61.04 ug/l	10901000	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	55
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	55
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55





Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057104.D
Acq On : 22 Sep 2015 14:29
Operator : SY/FY
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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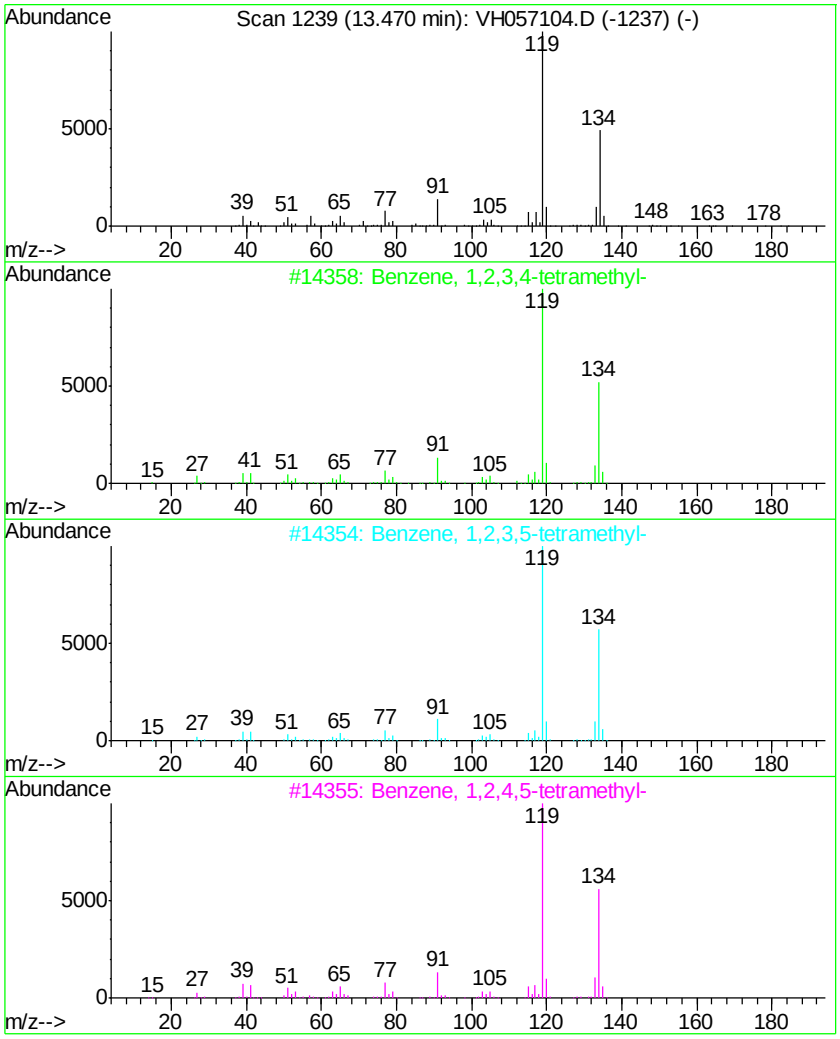
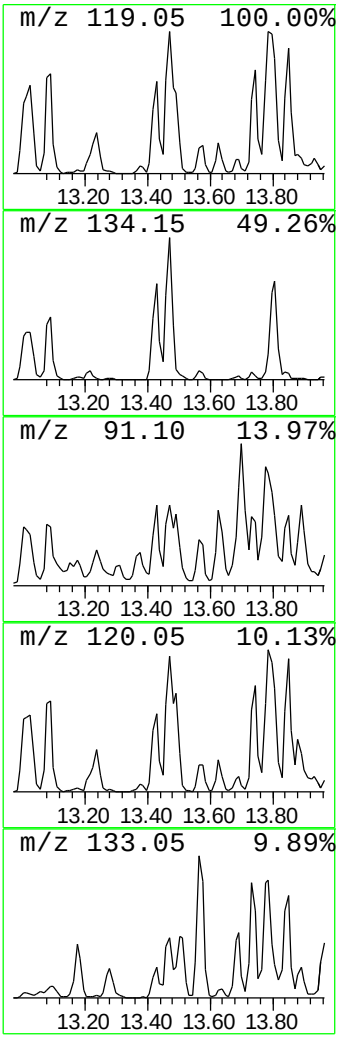
Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	94.08 ug/l	16800800	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057104.D
Acq On : 22 Sep 2015 14:29
Operator : SY/FY
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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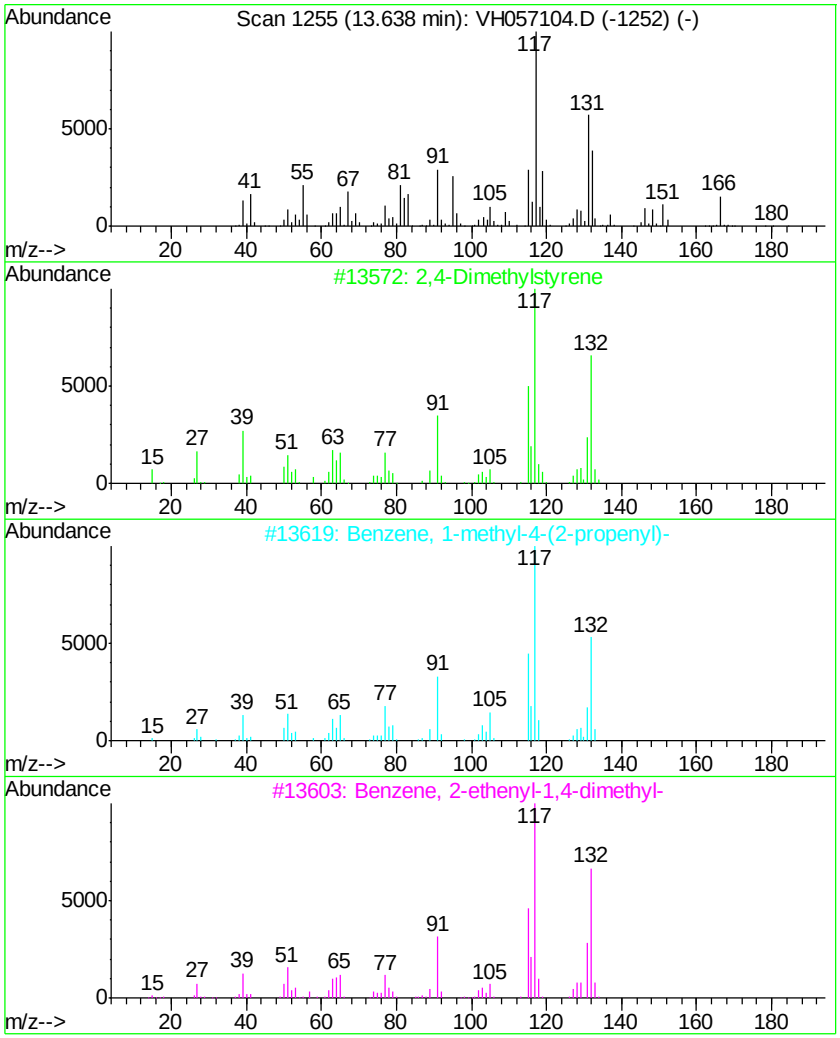
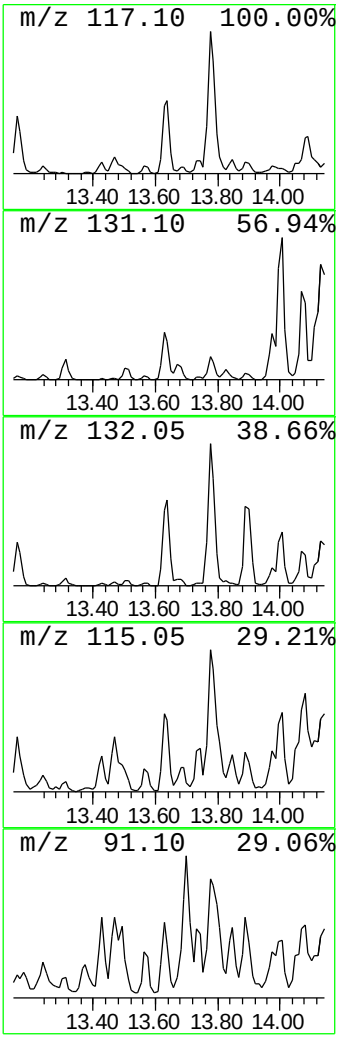
Peak Number 8 2,4-Dimethylstyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	80.04 ug/l	14294900	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	83
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	60





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057104.D
Acq On : 22 Sep 2015 14:29
Operator : SY/FY
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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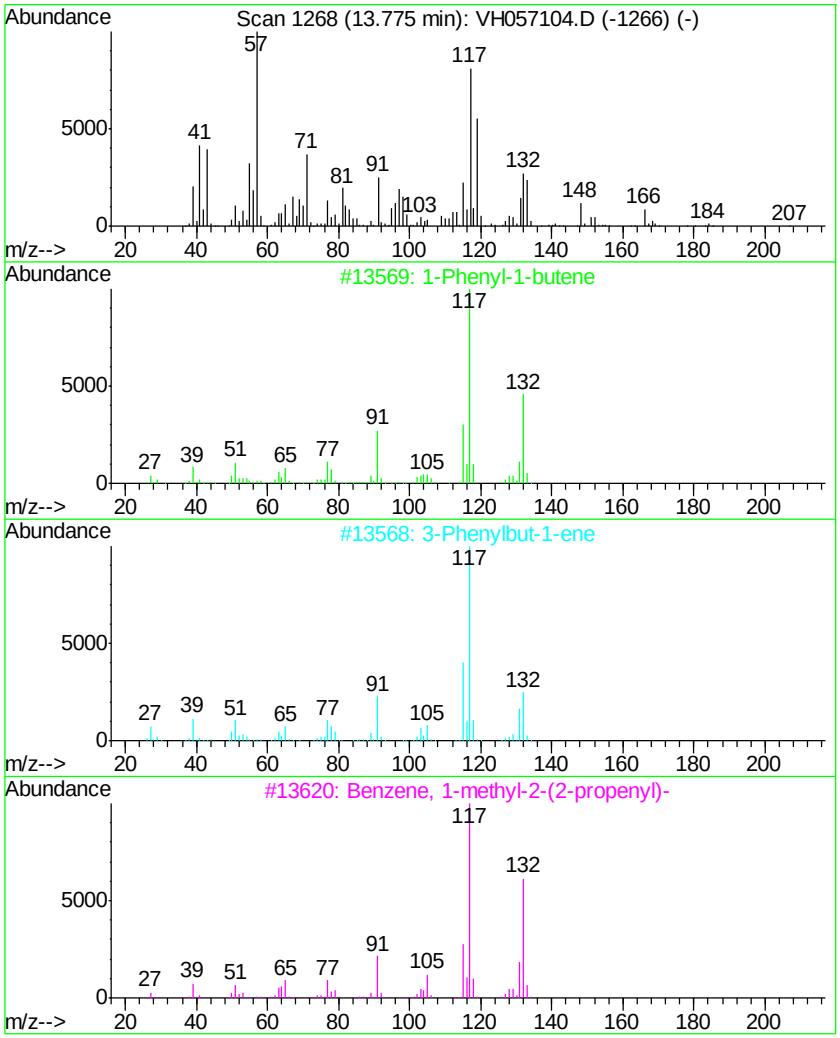
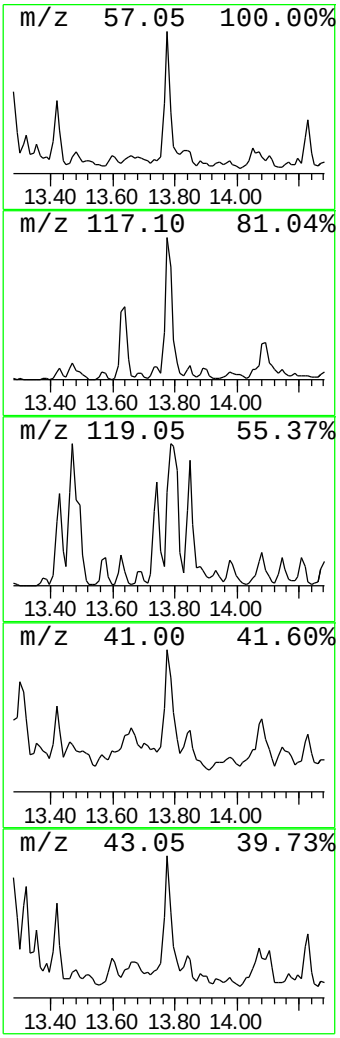
Peak Number 9 1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	159.72 ug/l	28523700	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	92
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	60
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	60
5	Indan, 1-methyl-	132	C10H12	000767-58-8	55





Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057104.D
Acq On : 22 Sep 2015 14:29
Operator : SY/FY
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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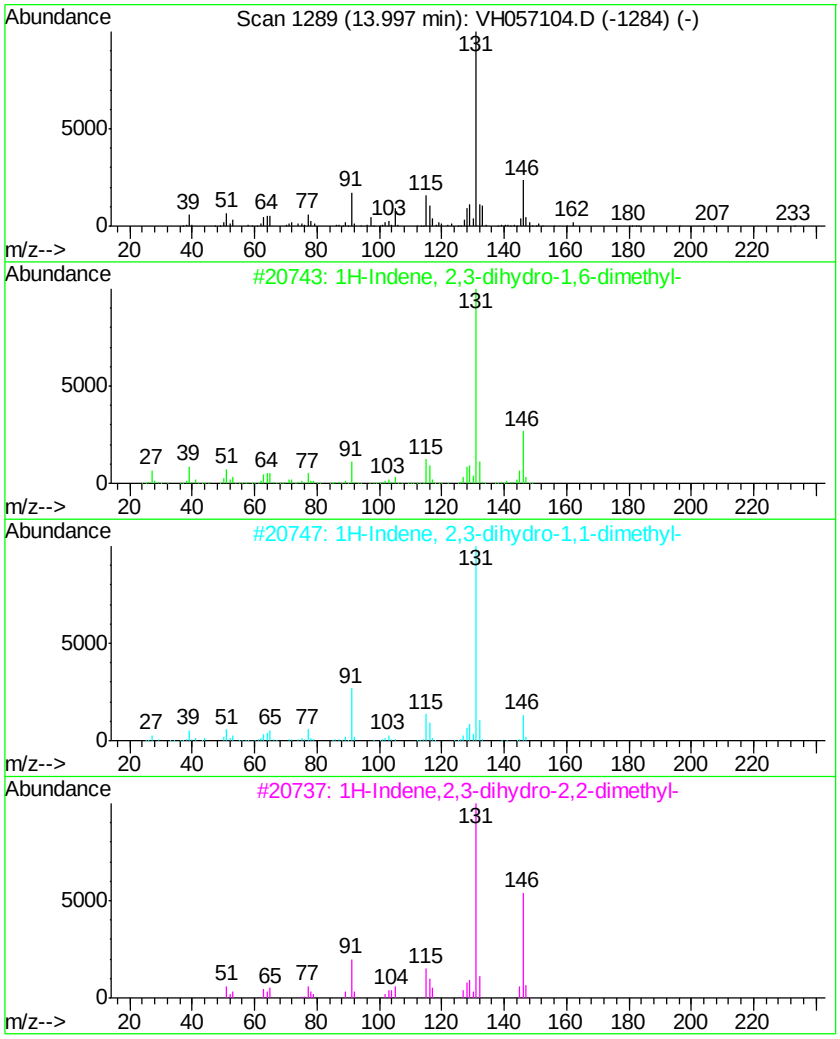
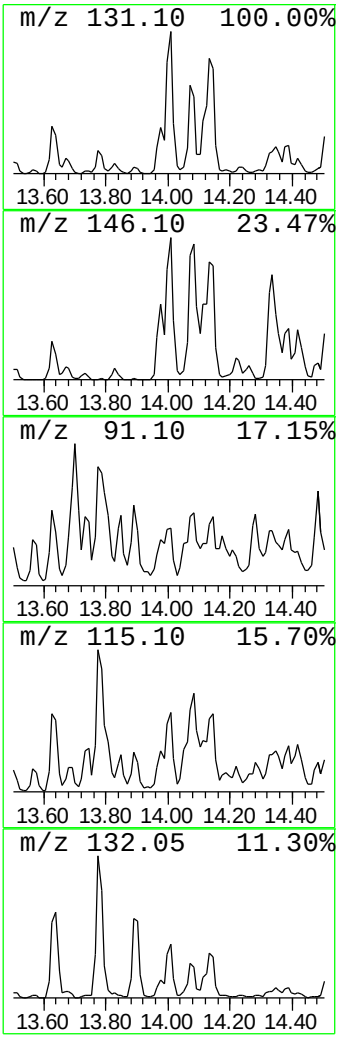
Peak Number 10 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	80.86 ug/l	14440700	1,4-Dichlorobenzene-d4	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
3	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	90
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90





Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057104.D
Acq On : 22 Sep 2015 14:29
Operator : SY/FY
Sample : G3747-02
Misc : 6.55g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_H
ClientSampleId : TRENCH-1-2

Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, 1-et...	12.87	78.5	ug/l	14012500	4	12.49	8929300	50.0
Benzene, 2-ethyl-...	13.03	85.9	ug/l	15347600	4	12.49	8929300	50.0
Pulegone	13.13	77.8	ug/l	13903100	4	12.49	8929300	50.0
n-Amylcyclohexane	13.22	88.5	ug/l	15805300	4	12.49	8929300	50.0
Naphthalene, deca...	13.31	88.9	ug/l	15868800	4	12.49	8929300	50.0
Benzene, 1,2,4,5-...	13.42	61.0	ug/l	10901000	4	12.49	8929300	50.0
Benzene, 1,2,3,4-...	13.47	94.1	ug/l	16800800	4	12.49	8929300	50.0
2,4-Dimethylstyrene	13.64	80.0	ug/l	14294900	4	12.49	8929300	50.0
1-Phenyl-1-butene	13.78	159.7	ug/l	28523700	4	12.49	8929300	50.0
1H-Indene, 2,3-di...	14.00	80.9	ug/l	14440700	4	12.49	8929300	50.0