LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

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_D\METHOD\82D120518S.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	3.171	162	167	175	rBV	25597	92283	1.71%	0.088%
2	3.732	218	224	244	rVB	277500	889274	16.43%	0.852%
3	4.116	257	263	269	rBV5	18780	65082	1.20%	0.062%
4	4.529	298	305	315	rBV	42394	125281	2.32%	0.120%
5	6.330	481	488	492	rBV	792779	2137309	39.50%	2.047%
6	6.409	492	496	515	rVV	1544544	4153240	76.76%	3.977%
7	6.792	515	535	551	rVV3	870900	4360170	80.58%	4.175%
8	7.088	551	565	590	rVB2	327523	2523543	46.64%	2.417%
9	7.442	595	601	619	rBV	1930483	4763003	88.02%	4.561%
10	7.983	643	656	671	rBV3	87128	558944	10.33%	0.535%
11	9.312	780	791	798	rBV2	696488	3448295	63.73%	3.302%
12	9.449	801	805	811	rVV	2068947	4815096	88.99%	4.611%
13	9.548	811	815	826	rVB	1322122	2910553	53.79%	2.787%
14	9.902	834	851	868	rBV	1136498	4906318	90.67%	4.698%
15	10.168	868	878	890	rVB	494239	1891157	34.95%	1.811%
16	10.738	929	936	938	rBV	193798	525406	9.71%	0.503%
17	10.837	938	946	949	rBV2	1296776	3879727	71.70%	3.715%
18	11.211	978	984	988	rBV	1113340	2592049	47.90%	2.482%
19	11.280	988	991	994	rVV	2935266	4937854	91.26%	4.728%
20	11.339	994	997	1004	rVV2	1358728	3429715	63.38%	3.284%
21	11.427	1004	1006	1013	rVB	213487	331078	6.12%	0.317%
22	11.555	1015	1019	1024	rBV	1005223	1794853	33.17%	1.719%
23	11.880	1046	1052	1055	rBV	2202120	4646383	85.87%	4.449%
24	11.929	1055	1057	1059	rVV	548231	768706	14.21%	0.736%
25	11.988	1059	1063	1070	rVB	1612476	2984034	55.15%	2.857%
26	12.244	1084	1089	1093	rBV	1728302	3214325	59.40%	3.078%
27	12.313	1093	1096	1104	rVV	1355643	2322080	42.91%	2.224%
28	12.421	1104	1107	1108	rVV	2162877	2966024	54.81%	2.840%
29	12.451	1108	1110	1112	rVV	3175022	5411007	100.00%	5.182%
30	12.500	1112	1115	1120	rVV2	2154782	5200087	96.10%	4.980%
31	12.559	1120	1121	1127	rVB	87754	113583	2.10%	0.109%
32	12.697	1131	1135	1138	rBV2	48807	103371	1.91%	0.099%
33	12.923	1154	1158	1164	rBV	1354797	2079019	38.42%	1.991%
34	13.022	1164	1168	1173	rVV	2331908	3521516	65.08%	3.372%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

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_D\METHOD\82D120518S.M
Title : SW846 8260

35	13.090	1173	1175	1183	rVB	48936	81455	1.51%	0.078%
36	13.228	1185	1189	1194	rBV	1428025	2226084	41.14%	2.132%
37	13.366	1200	1203	1213	rVB	3124022	4158593	76.85%	3.982%
38	13.651	1227	1232	1234	rBV3	24478	54716	1.01%	0.052%
39	13.691	1234	1236	1238	rVV2	66138	80636	1.49%	0.077%
40	13.819	1245	1249	1251	rBV	156106	210778	3.90%	0.202%
41	13.858	1251	1253	1256	rVV	57582	73956	1.37%	0.071%
42	14.222	1287	1290	1300	rBV	1867067	2419282	44.71%	2.317%
43	14.488	1314	1317	1319	rBV	34440	61400	1.13%	0.059%
44	14.547	1319	1323	1326	rVB	1319188	1841576	34.03%	1.763%
45	14.675	1333	1336	1341	rBV	1596265	2239501	41.39%	2.145%
46	14.754	1341	1344	1347	rBV	699069	924392	17.08%	0.885%
47	14.931	1359	1362	1364	rBV	1158464	1517483	28.04%	1.453%
48	14.960	1364	1365	1369	rVB	63778	78537	1.45%	0.075%

Sum of corrected areas: 104428754

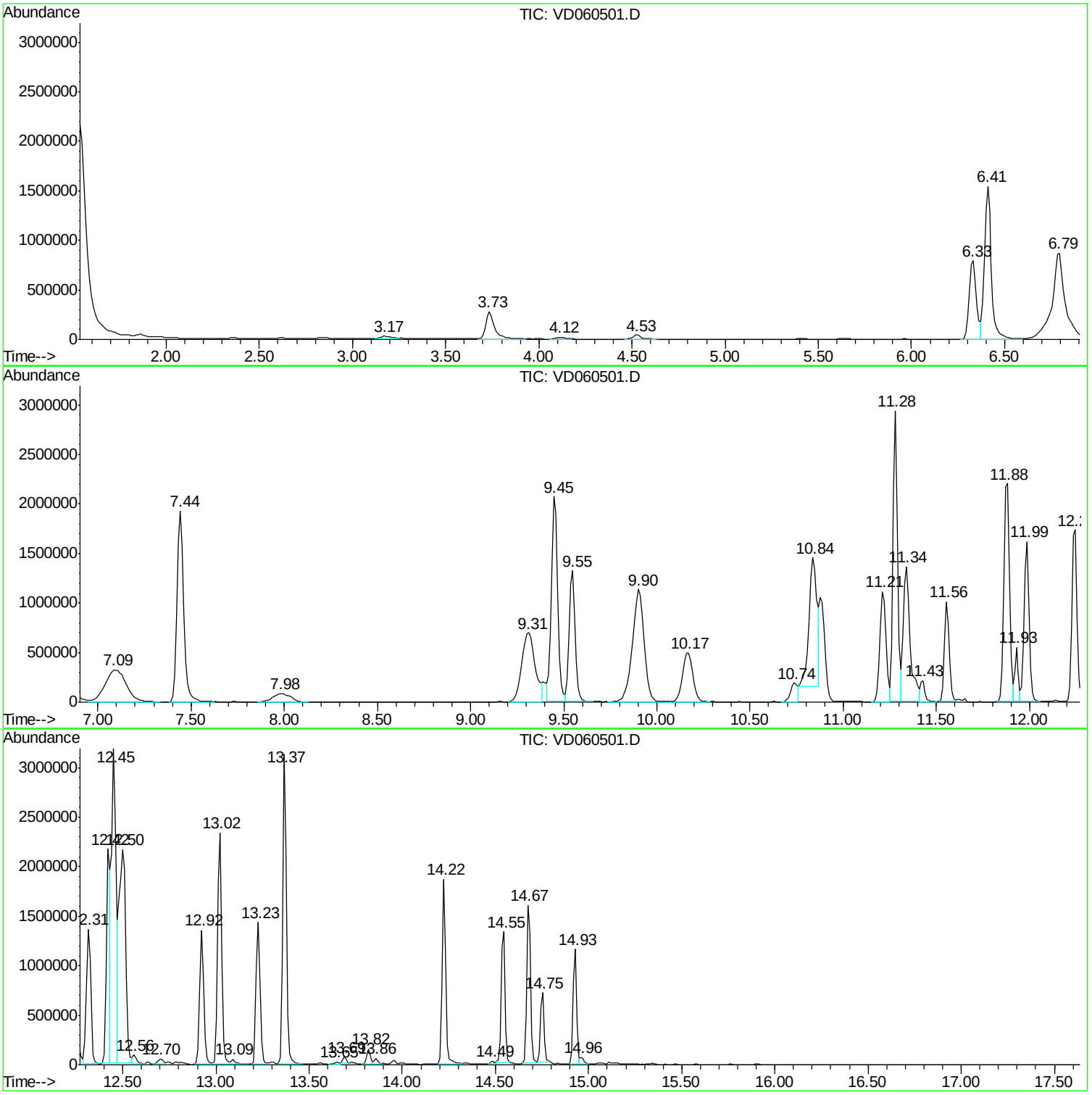
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.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 D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

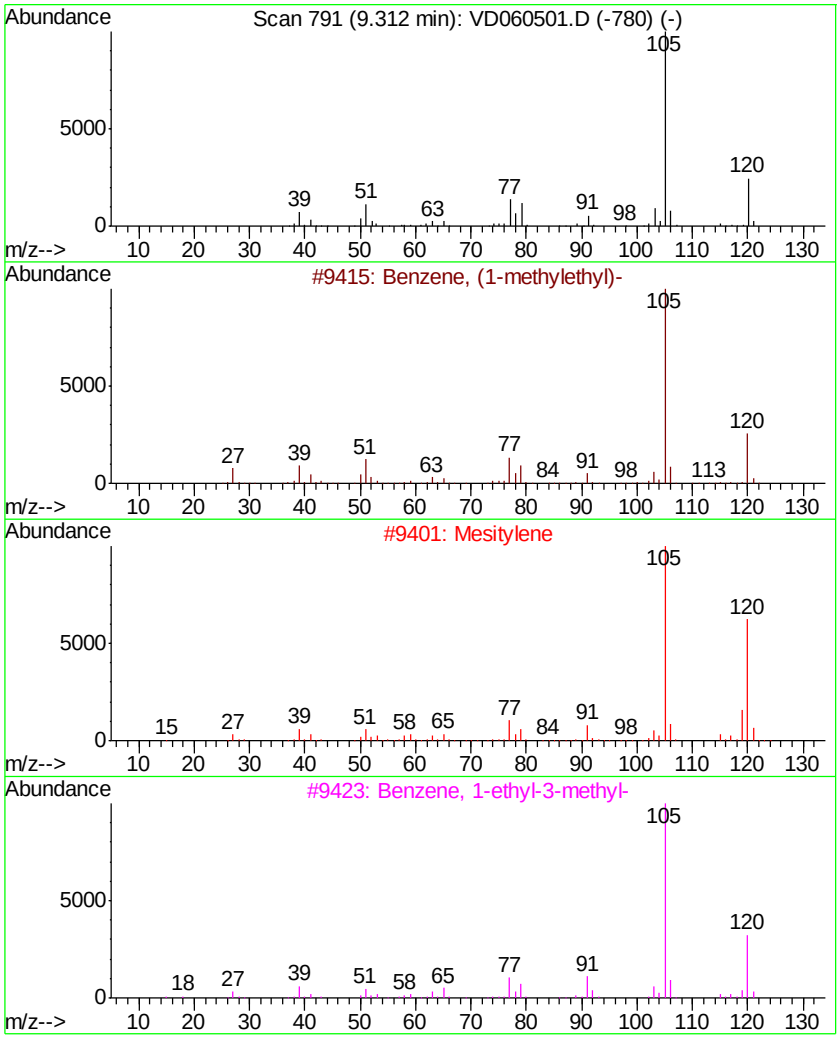
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

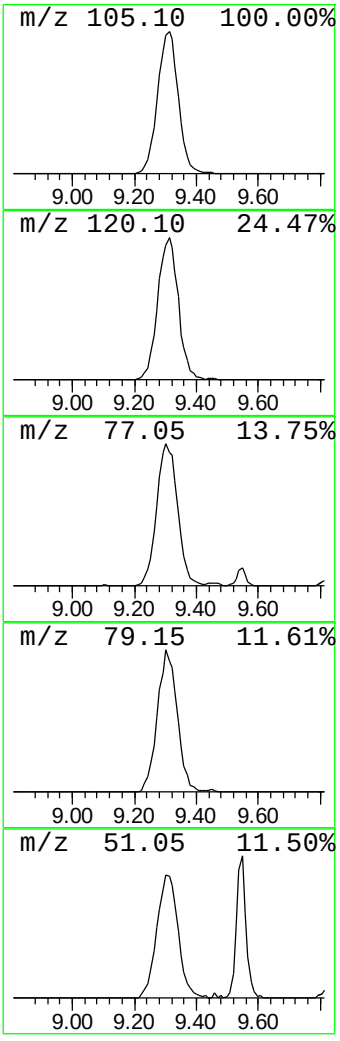
****

Peak Number 1 Benzene, (1-methylethyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	36.20 ug/l	3448300	1,4-Difluorobenzene	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	95
2	Mesitylene	120	C9H12	000108-67-8	86
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	78
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

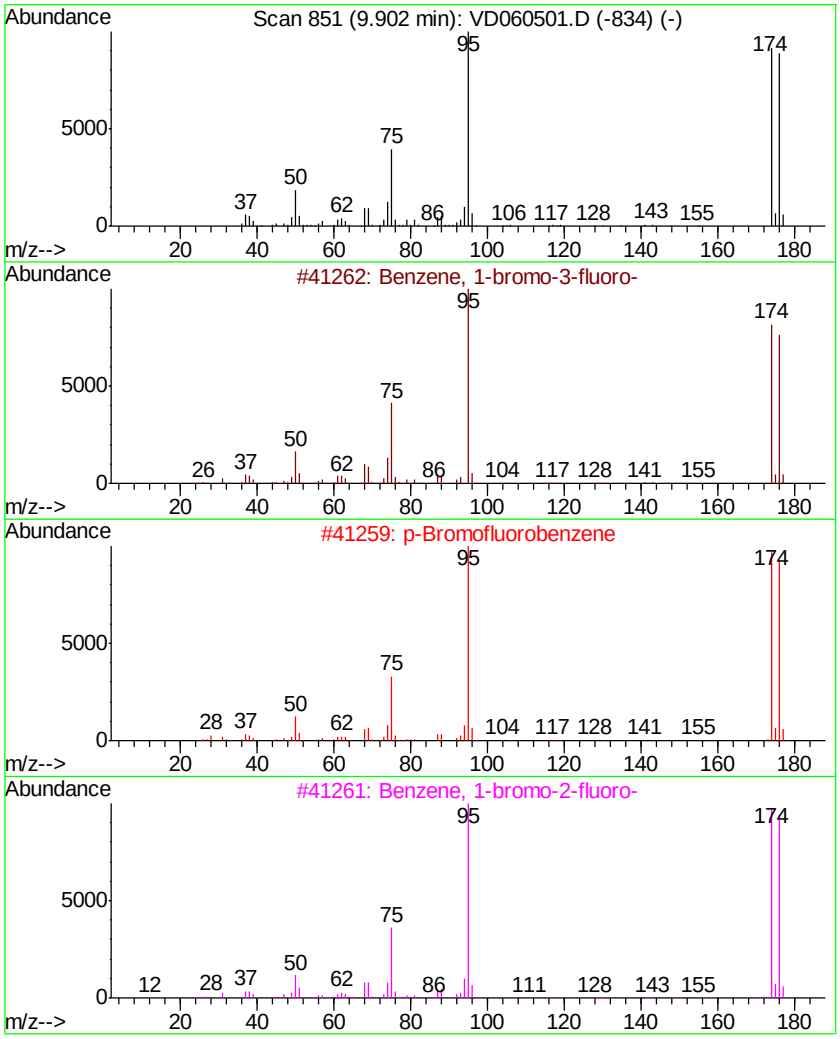
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

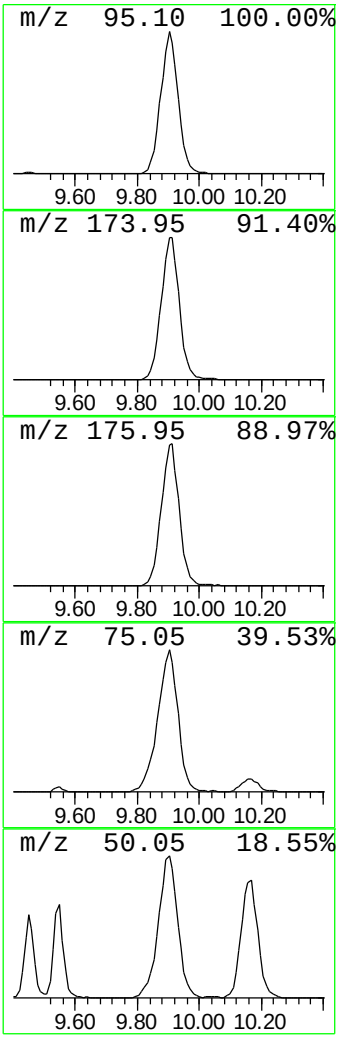
****

Peak Number 2 Benzene, 1-bromo-3-fluoro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	49.68 ug/l	4906320	Chlorobenzene-d5	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-3-fluoro-	174	C6H4BrF	001073-06-9	98
2	p-Bromofluorobenzene	174	C6H4BrF	000460-00-4	97
3	Benzene, 1-bromo-2-fluoro-	174	C6H4BrF	001072-85-1	97
4	4(1H)-Pyrimidinone, 5-bromo-	174	C4H3BrN2O	019808-30-1	37
5	Benzaldehyde, 2,6-difluoro-3,4-d...	174	C7H4F2O3	152434-98-5	14





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

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

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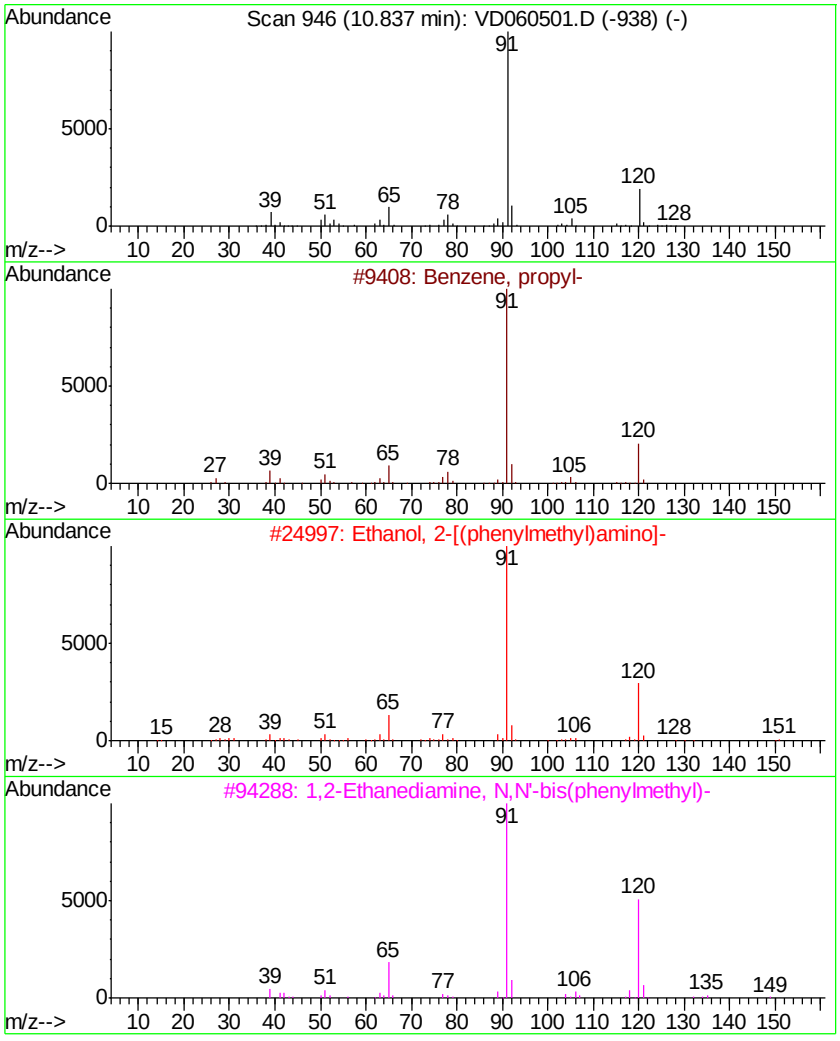
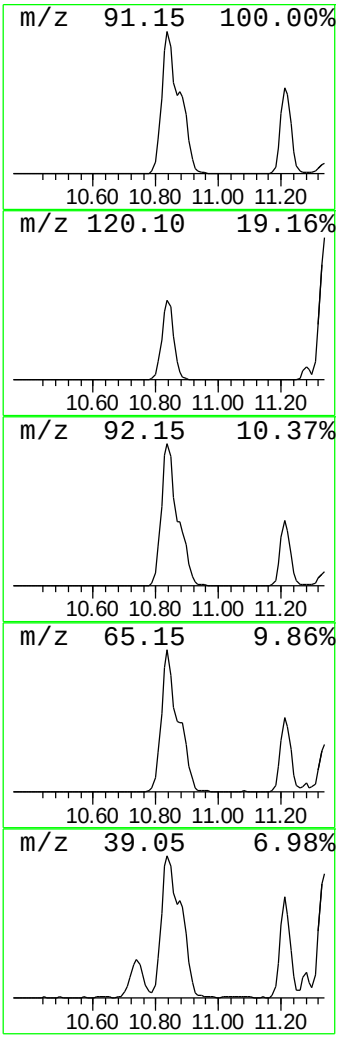
Peak Number 3 Benzene, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	39.29 ug/l	3879730	Chlorobenzene-d5	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
3	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

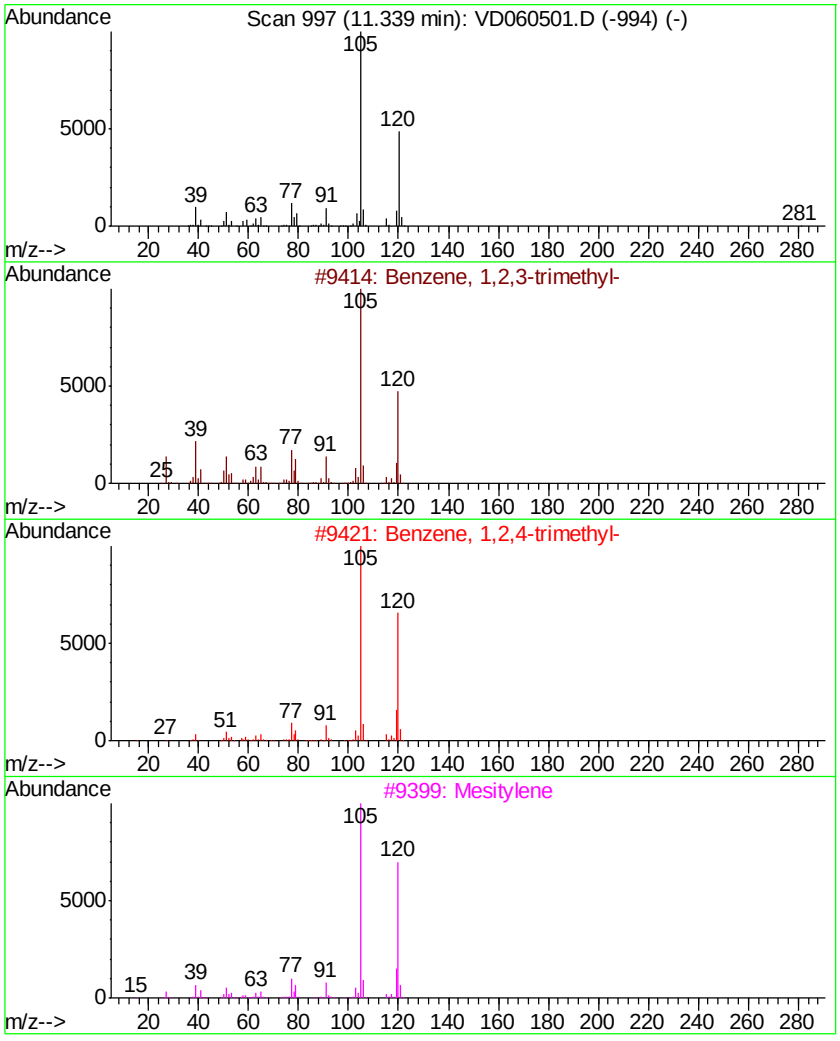
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

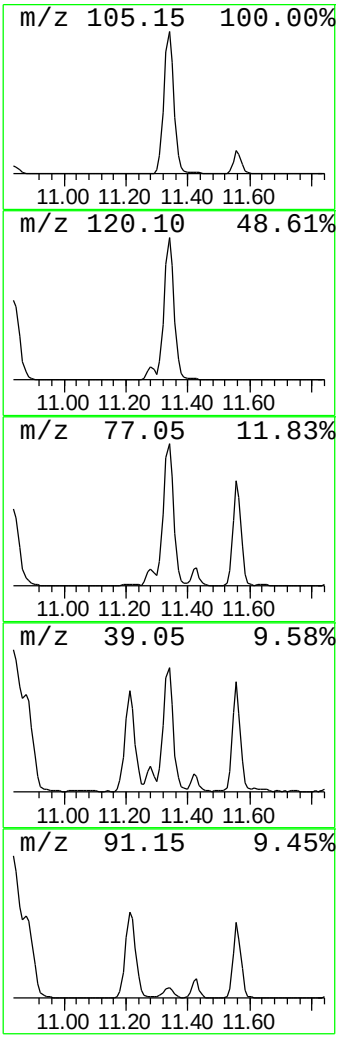
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	34.73 ug/l	3429720	Chlorobenzene-d5	11.28

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

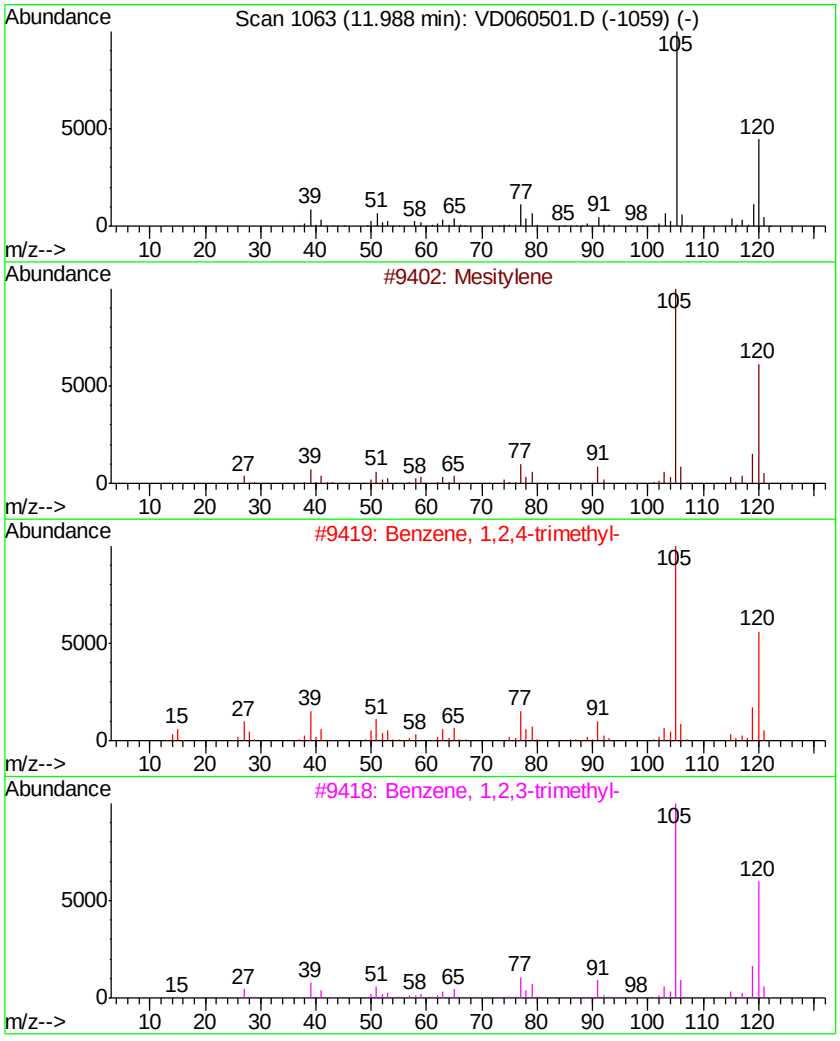
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

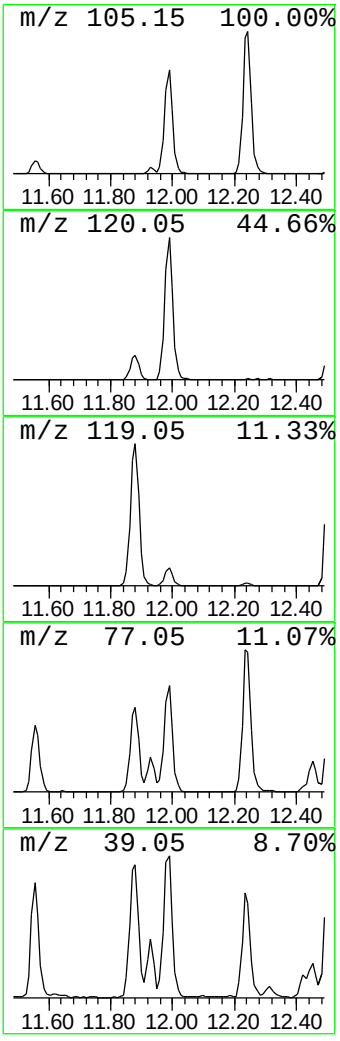
****

Peak Number 5 Mesitylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	30.22 ug/l	2984030	Chlorobenzene-d5	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

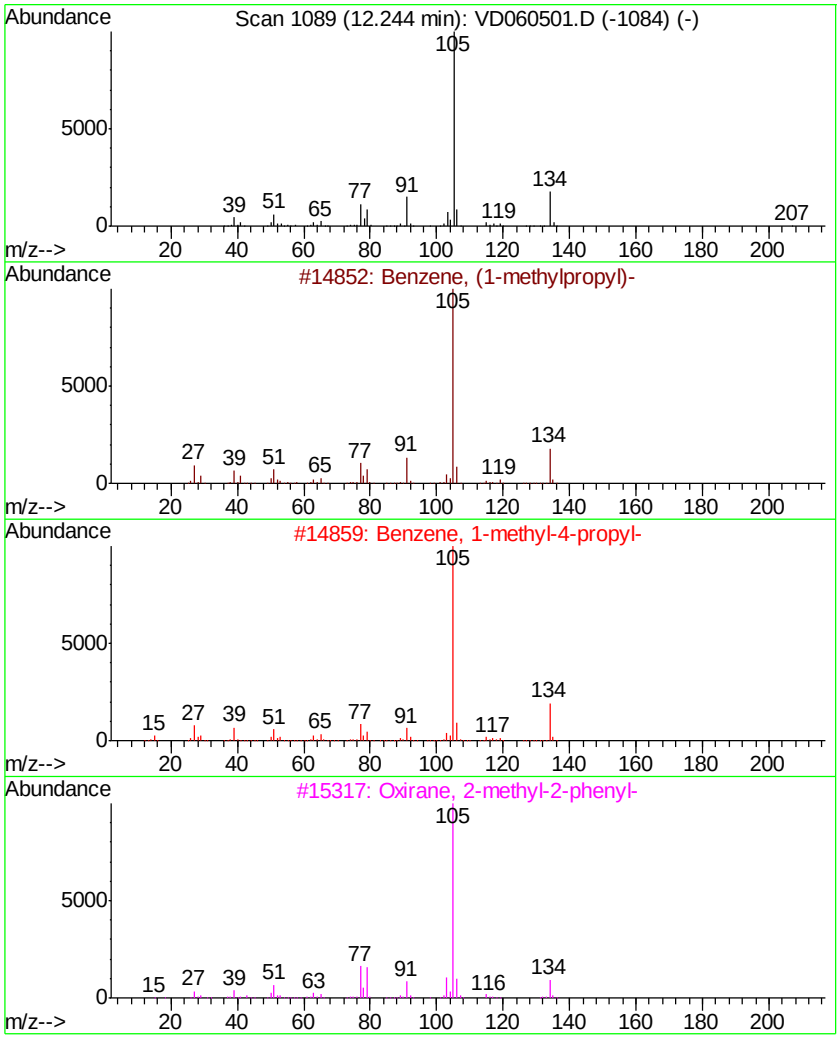
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

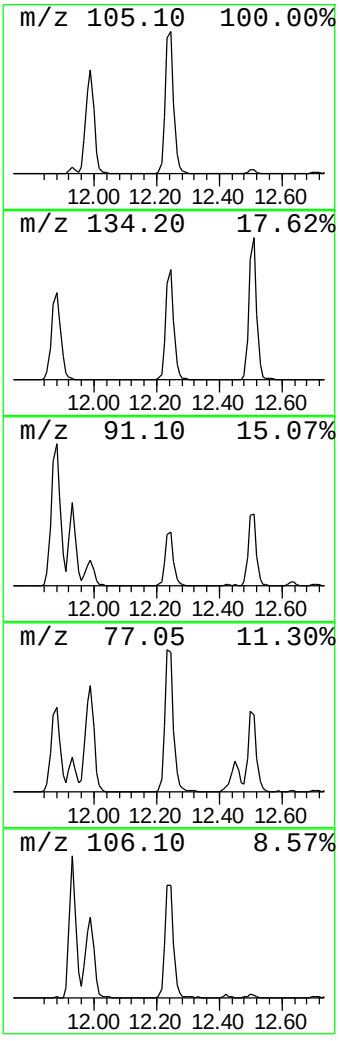
****

Peak Number 6 Benzene, (1-methylpropyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	32.55 ug/l	3214330	Chlorobenzene-d5	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

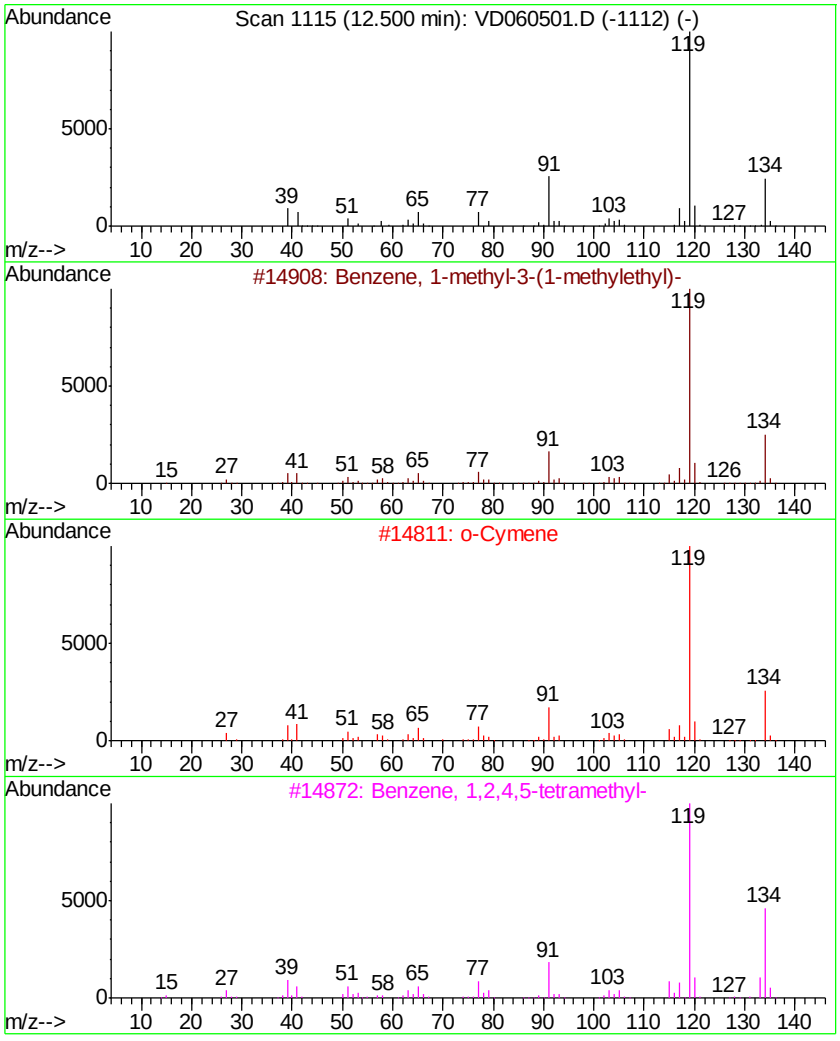
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

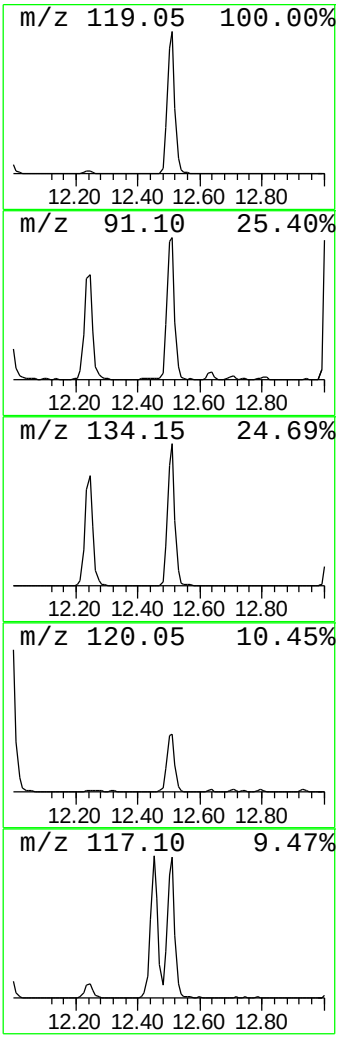
****

Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	62.52 ug/l	5200090	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	o-Cymene	134	C10H14	000527-84-4	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	p-Cymene	134	C10H14	000099-87-6	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

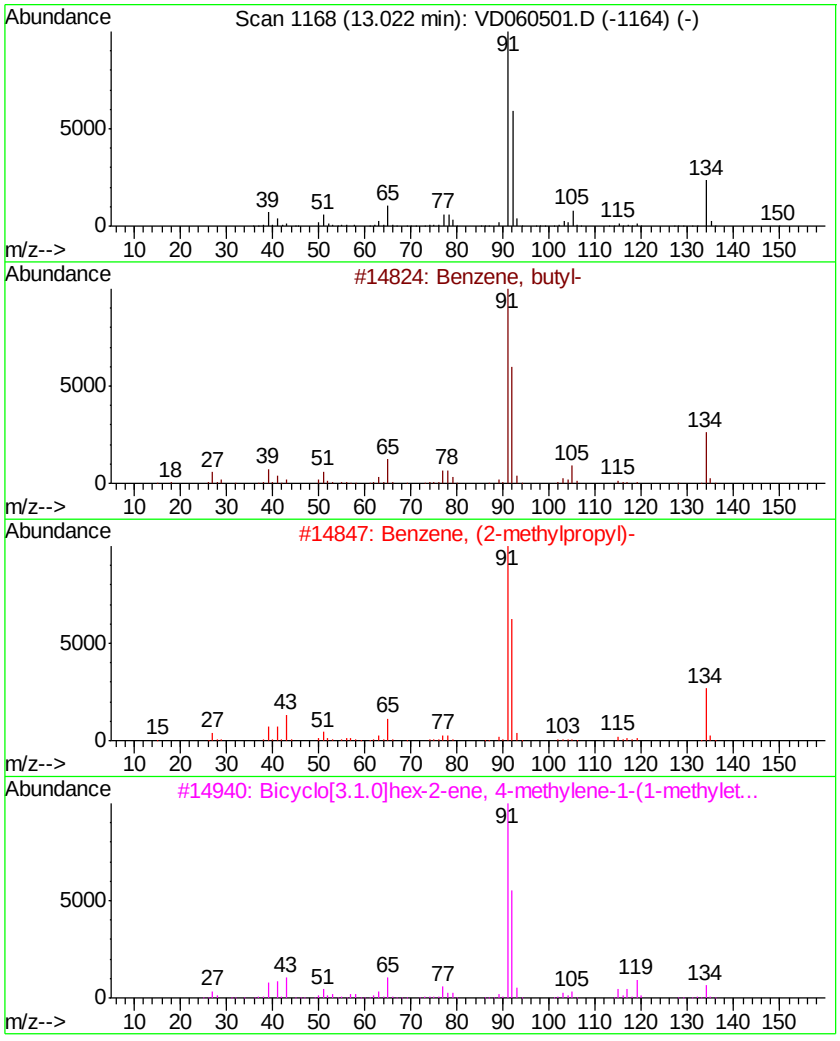
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

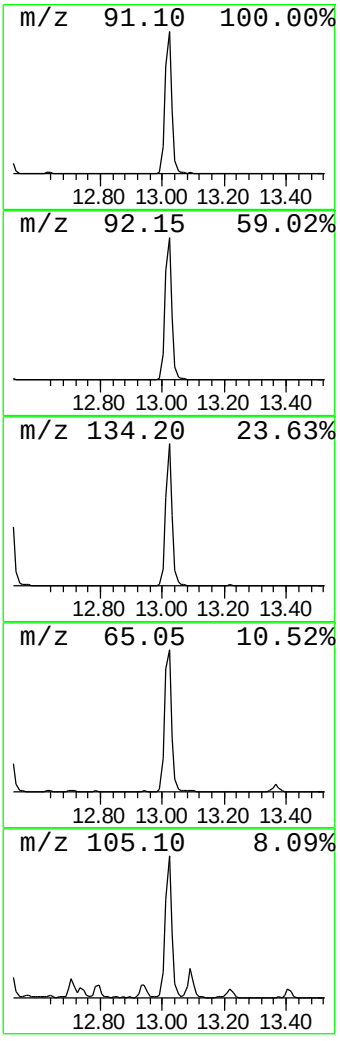
****

Peak Number 8 Benzene, butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	42.34 ug/l	3521520	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, butyl-	134	C10H14	000104-51-8	95
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Bicyclo[3.1.0]hex-2-ene, 4-methy...	134	C10H14	036262-09-6	59
4	Phenylethyl Alcohol	122	C8H10O	000060-12-8	53
5	Benzene, (butoxymethyl)-	164	C11H16O	000588-67-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

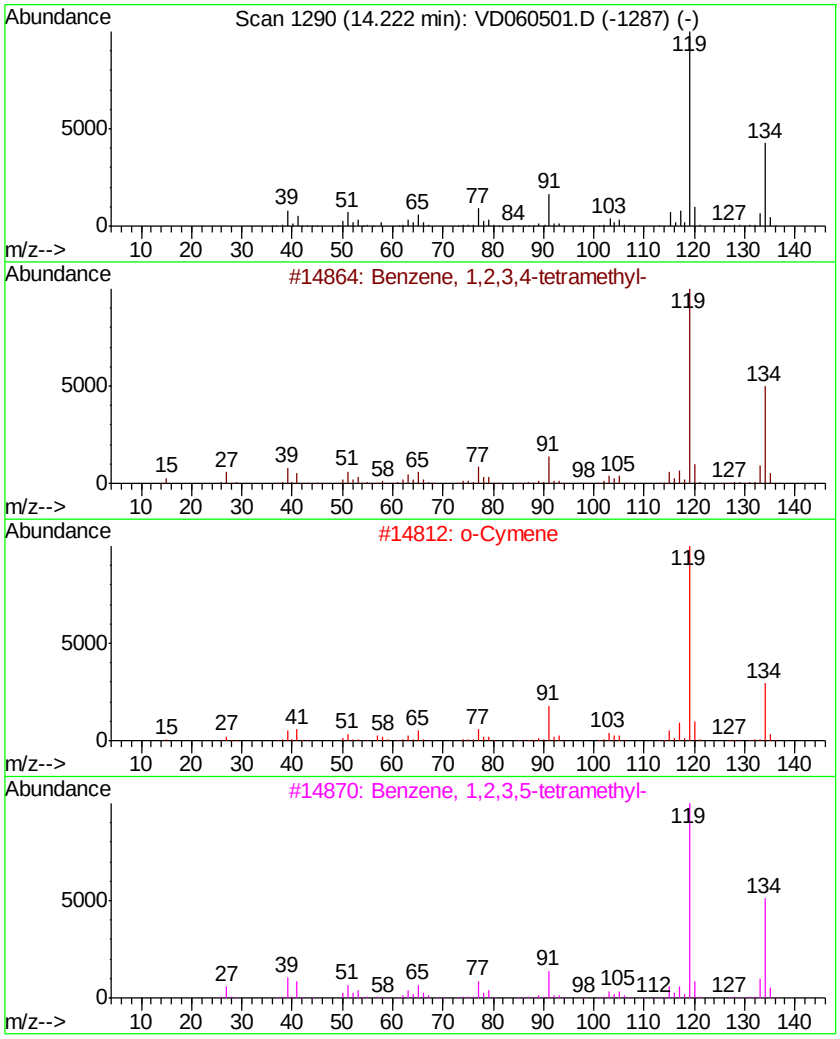
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

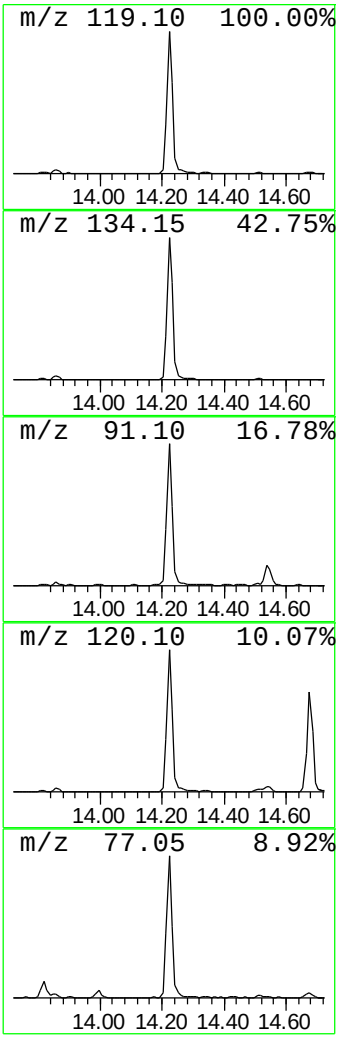
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	29.09 ug/l	2419280	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

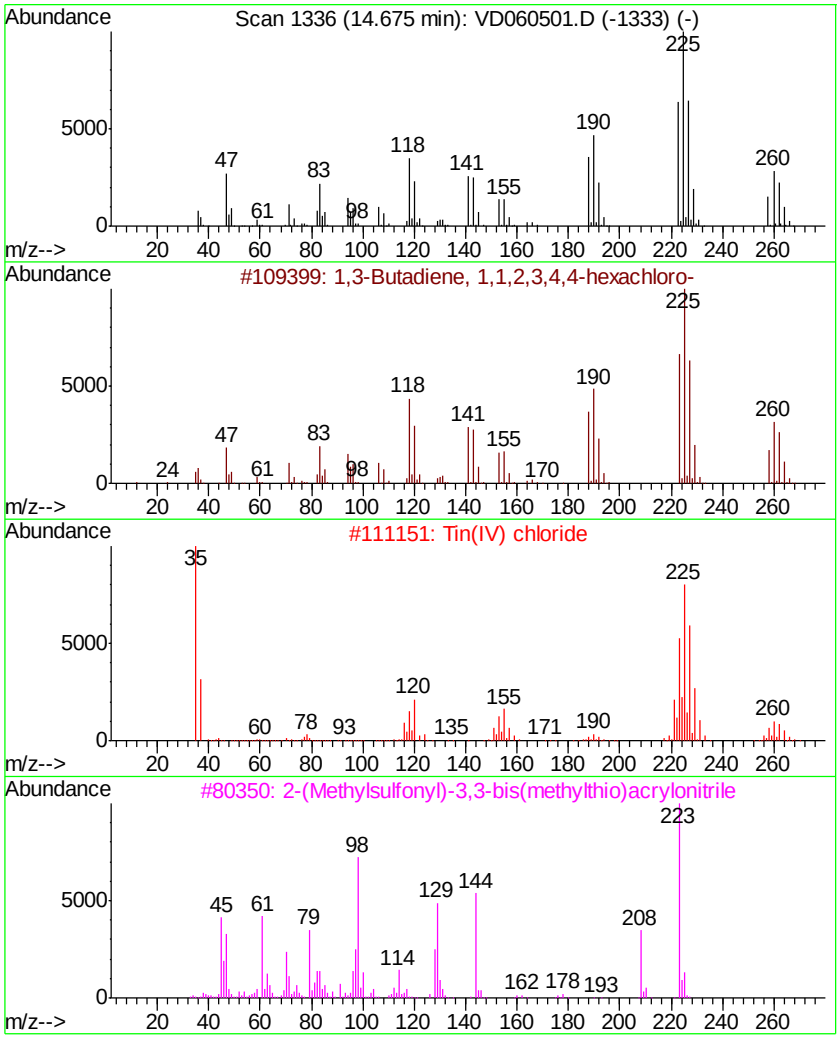
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

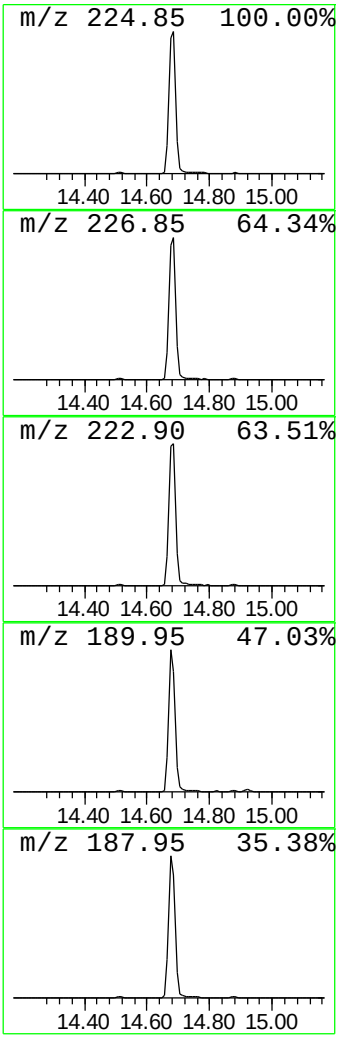
****

Peak Number 10 1,3-Butadiene, 1,1,2,3,4,4-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	26.93 ug/l	2239500	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,1,2,3,4,4-hexac...	258	C4Cl6	000087-68-3	99
2	Tin(IV) chloride	260	Cl4Sn	007646-78-8	38
3	2-(Methylsulfonyl)-3,3-bis(methy...	223	C6H9NO2S3	073618-36-7	11
4	6,8-Dichloro-2,4-dimethylquinoline	225	C11H9Cl2N	1000252-16-9	9
5	4-Amino-4'-methoxystilbene	225	C15H15NO	007570-37-8	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120618\
Data File : VD060501.D
Acq On : 6 Dec 2018 13:15
Operator : VA/AP
Sample : J6195-01
Misc : 6.6g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OR-01-120518-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.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-methy...	9.31	36.2	ug/l	3448300	2	7.44	4763000	50.0
Benzene, 1-bromo-...	9.90	49.7	ug/l	4906320	3	11.28	4937850	50.0
Benzene, propyl-	10.84	39.3	ug/l	3879730	3	11.28	4937850	50.0
Benzene, 1,2,3-tr...	11.34	34.7	ug/l	3429720	3	11.28	4937850	50.0
Mesitylene	11.99	30.2	ug/l	2984030	3	11.28	4937850	50.0
Benzene, (1-methy...	12.24	32.5	ug/l	3214330	3	11.28	4937850	50.0
Benzene, 1-methyl...	12.50	62.5	ug/l	5200090	4	13.37	4158590	50.0
Benzene, butyl-	13.02	42.3	ug/l	3521520	4	13.37	4158590	50.0
Benzene, 1,2,3,4-...	14.22	29.1	ug/l	2419280	4	13.37	4158590	50.0
1,3-Butadiene, 1,...	14.67	26.9	ug/l	2239500	4	13.37	4158590	50.0