LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
Data File : VD060173.D
Acq On : 10 Oct 2018 14:11
Operator : VA/AP
Sample : J5366-01
Misc : 6.07g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RBR200035

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\82D100118S.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	3.702	216	221	237	rVB	283816	795265	8.56%	1.239%
2	6.310	480	486	490	rBV	725239	1792554	19.30%	2.794%
3	6.398	490	495	511	rVB	1121603	3059144	32.94%	4.767%
4	6.772	527	533	546	rBV	579019	1400370	15.08%	2.182%
5	7.432	594	600	615	rBV	1528408	3566419	38.40%	5.558%
6	9.449	799	805	812	rBV	1896248	4060187	43.72%	6.327%
7	10.187	875	880	887	rBV	70059	182159	1.96%	0.284%
8	11.279	987	991	999	rBV	2418042	3860704	41.57%	6.017%
9	12.263	1087	1091	1098	rBV	1475931	2181206	23.49%	3.399%
10	12.421	1104	1107	1114	rBV	2021707	2834725	30.52%	4.418%
11	13.090	1172	1175	1178	rBV	87971	104906	1.13%	0.163%
12	13.307	1192	1197	1199	rBV3	163111	352482	3.80%	0.549%
13	13.366	1200	1203	1207	rVB	2692793	3477249	37.44%	5.419%
14	13.553	1219	1222	1227	rBV	1053593	1545406	16.64%	2.408%
15	13.720	1236	1239	1245	rBV	346792	481105	5.18%	0.750%
16	13.808	1245	1248	1250	rBV2	73778	94143	1.01%	0.147%
17	13.897	1254	1257	1259	rBV	108412	124679	1.34%	0.194%
18	13.936	1259	1261	1263	rVV	267754	331052	3.56%	0.516%
19	13.986	1263	1266	1269	rVB	564614	750307	8.08%	1.169%
20	14.222	1288	1290	1293	rVV2	142938	274311	2.95%	0.427%
21	14.271	1293	1295	1298	rVB3	72234	129475	1.39%	0.202%
22	14.409	1306	1309	1314	rBV	1390042	1785087	19.22%	2.782%
23	14.517	1317	1320	1323	rVB	2289909	2767306	29.80%	4.313%
24	14.635	1329	1332	1336	rBV	6783953	9286731	100.00%	14.472%
25	14.714	1338	1340	1347	rVV3	119972	367163	3.95%	0.572%
26	14.842	1351	1353	1359	rVB	68754	101841	1.10%	0.159%
27	14.960	1362	1365	1369	rBV	3363884	4769816	51.36%	7.433%
28	15.039	1371	1373	1378	rVB	217268	293031	3.16%	0.457%
29	15.718	1438	1442	1443	rBV	179259	264748	2.85%	0.413%
30	15.767	1443	1447	1450	rVV	5031202	7630621	82.17%	11.892%
31	15.845	1453	1455	1458	rVV2	65257	100304	1.08%	0.156%
32	15.905	1458	1461	1465	rVV	3508179	4783585	51.51%	7.455%
33	16.338	1499	1505	1511	rVB	234780	392504	4.23%	0.612%
34	16.534	1522	1525	1534	rVB	68076	129848	1.40%	0.202%

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Title : SW846 8260

35	16.652	1534	1537	1543	rVB	48767	97749	1.05%	0.152%

Sum of corrected areas: 64168182

LSC Report - Integrated Chromatogram

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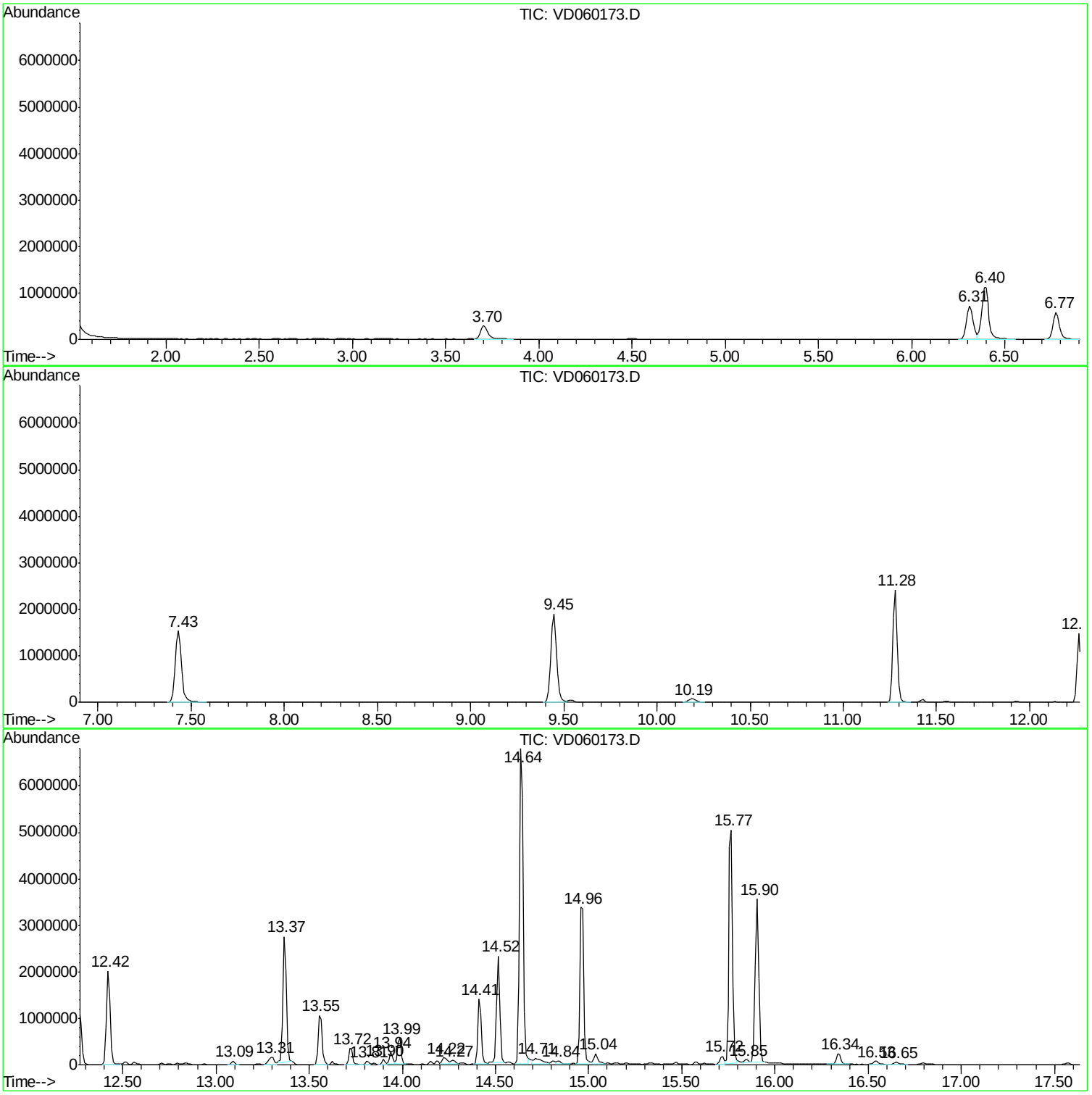
Instrument : MSVOA_D
ClientSampleId : RBR200035

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260

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



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

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Peak Number 1 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	22.22 ug/l	1545410	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	59

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Peak Number 2 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	6.92 ug/l	481105	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	83

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Peak Number 3 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	10.79 ug/l	750307	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87

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Peak Number 4 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.

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Instrument : MSVOA_D
ClientSampleId : RBR200035

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	25.67 ug/l	1785090	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	95
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87

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Peak Number 5 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	39.79 ug/l	2767310	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	Indan, 1-methyl-	132	C10H12	000767-58-8	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91

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Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	133.54 ug/l	9286730	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
3	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	38
4	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	38
5	3(2H)-Furanone, dihydro-2,2-dime...	190	C12H14O2	063678-00-2	38

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Peak Number 7 1,4-Dihydronaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	5.28 ug/l	367163	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RBR200035

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260

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

1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	68
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	64
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	58
4	Benzene, (1-methylene-2-propenyl)-	130	C10H10	002288-18-8	53
5	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	52

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Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	109.72 ug/l	7630620	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	64

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Peak Number 9 Biphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	5.64 ug/l	392504	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	94
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	81
3	1-(2,2-Difluoroethenyl)-4-methyl...	154	C9H8F2	1000305-64-2	50
4	Acenaphthene	154	C12H10	000083-32-9	49
5	1-Isoquinolinecarbonitrile	154	C10H6N2	001198-30-7	38

Tentatively Identified Compound (LSC) summary

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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
Indane	13.55	22.2	ug/l	1545410	4	13.37	3477250	50.0
Indene	13.72	6.9	ug/l	481105	4	13.37	3477250	50.0
Benzene, 1-etheny...	13.99	10.8	ug/l	750307	4	13.37	3477250	50.0
Indan, 1-methyl-	14.41	25.7	ug/l	1785090	4	13.37	3477250	50.0
1H-Indene, 2,3-di...	14.52	39.8	ug/l	2767310	4	13.37	3477250	50.0
Naphthalene, 1,2,...	14.64	133.5	ug/l	9286730	4	13.37	3477250	50.0
1,4-Dihydronaphth...	14.71	5.3	ug/l	367163	4	13.37	3477250	50.0
Naphthalene, 1-me...	15.77	109.7	ug/l	7630620	4	13.37	3477250	50.0
Biphenyl	16.34	5.6	ug/l	392504	4	13.37	3477250	50.0