LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
Data File : VD058167.D
Acq On : 15 Jun 2018 22:18
Operator : VA/AP
Sample : J3524-03
Misc : 4.22g/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AREA-3(D)

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\82D060618S.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	1.217	97	101	105	rBV	511676	1275087	4.84%	0.856%
2	5.539	534	540	545	rBV	432986	1200054	4.56%	0.805%
3	5.637	545	550	567	rVB	558885	1598674	6.07%	1.073%
4	6.011	581	588	603	rBV	940655	2559743	9.72%	1.718%
5	6.690	651	657	671	rBV	698886	1788445	6.79%	1.200%
6	8.708	856	862	868	rBV	1046628	2339773	8.89%	1.570%
7	8.797	868	871	881	rVB	146399	315413	1.20%	0.212%
8	10.687	1059	1063	1074	rBV	984863	1724550	6.55%	1.157%
9	10.854	1076	1080	1087	rBV	2964828	5194694	19.73%	3.486%
10	11.012	1091	1096	1103	rVB	1200690	2543137	9.66%	1.707%
11	11.406	1132	1136	1142	rBV	2911634	4486913	17.04%	3.011%
12	11.770	1168	1173	1179	rBV2	892654	1720432	6.53%	1.154%
13	11.927	1186	1189	1194	rBV	890750	1391279	5.28%	0.934%
14	12.233	1217	1220	1221	rBV	839229	1062823	4.04%	0.713%
15	12.262	1221	1223	1226	rVV	1674845	2279516	8.66%	1.530%
16	12.321	1226	1229	1232	rVV	1281541	1561993	5.93%	1.048%
17	12.469	1240	1244	1247	rBV	840390	1147184	4.36%	0.770%
18	12.626	1255	1260	1263	rBV	3323845	4423924	16.80%	2.969%
19	12.676	1263	1265	1269	rVB	772499	952578	3.62%	0.639%
20	12.833	1277	1281	1284	rBV	472366	815318	3.10%	0.547%
21	12.892	1284	1287	1291	rVV2	1363001	3140865	11.93%	2.108%
22	12.951	1291	1293	1296	rVV	2005594	2508126	9.53%	1.683%
23	13.010	1296	1299	1305	rVB	552331	720429	2.74%	0.483%
24	13.099	1305	1308	1314	rBV	11288672	18261045	69.36%	12.254%
25	13.178	1314	1316	1319	rVV	742838	970476	3.69%	0.651%
26	13.266	1322	1325	1327	rVV	439025	542424	2.06%	0.364%
27	13.375	1334	1336	1337	rBV	293732	384530	1.46%	0.258%
28	13.404	1337	1339	1341	rVV2	366333	448838	1.70%	0.301%
29	13.453	1341	1344	1347	rVV	1421369	1874679	7.12%	1.258%
30	13.532	1350	1352	1355	rVV	1641232	2075600	7.88%	1.393%
31	13.581	1355	1357	1360	rVV	861927	1192108	4.53%	0.800%
32	13.631	1360	1362	1364	rVV	280063	352517	1.34%	0.237%
33	13.749	1371	1374	1375	rVV	494969	595606	2.26%	0.400%
34	13.778	1375	1377	1380	rVV	1182912	1584160	6.02%	1.063%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Title : SW846 8260

35	13.818	1380	1381	1385	rVV2	207481	332147	1.26%	0.223%
36	13.887	1385	1388	1394	rVB3	372566	820490	3.12%	0.551%
37	13.975	1394	1397	1400	rBV	1490608	1962427	7.45%	1.317%
38	14.074	1404	1407	1410	rVV	1721024	2342614	8.90%	1.572%
39	14.133	1410	1413	1416	rVV	2772793	3760515	14.28%	2.523%
40	14.202	1416	1420	1423	rVV	4808664	7450415	28.30%	4.999%
41	14.270	1425	1427	1428	rVV	653139	734136	2.79%	0.493%
42	14.300	1428	1430	1438	rVV2	654652	1400757	5.32%	0.940%
43	14.526	1449	1453	1458	rBV	13479848	26327127	100.00%	17.666%
44	14.595	1458	1460	1462	rVV	1764420	2204968	8.38%	1.480%
45	14.625	1462	1463	1466	rVB2	289832	341299	1.30%	0.229%
46	14.753	1472	1476	1478	rBV3	161657	409839	1.56%	0.275%
47	14.782	1478	1479	1485	rVB	455914	958239	3.64%	0.643%
48	14.891	1485	1490	1492	rBV2	761978	1224354	4.65%	0.822%
49	14.920	1492	1493	1495	rVV	511875	458500	1.74%	0.308%
50	14.969	1495	1498	1504	rVB2	960706	1641402	6.23%	1.101%
51	15.147	1513	1516	1521	rVB	329841	540099	2.05%	0.362%
52	15.215	1521	1523	1525	rBV	527986	752635	2.86%	0.505%
53	15.265	1525	1528	1533	rVB	8583938	11804511	44.84%	7.921%
54	15.393	1538	1541	1544	rVB	6288005	8524971	32.38%	5.721%

Sum of corrected areas: 149024378

LSC Report - Integrated Chromatogram

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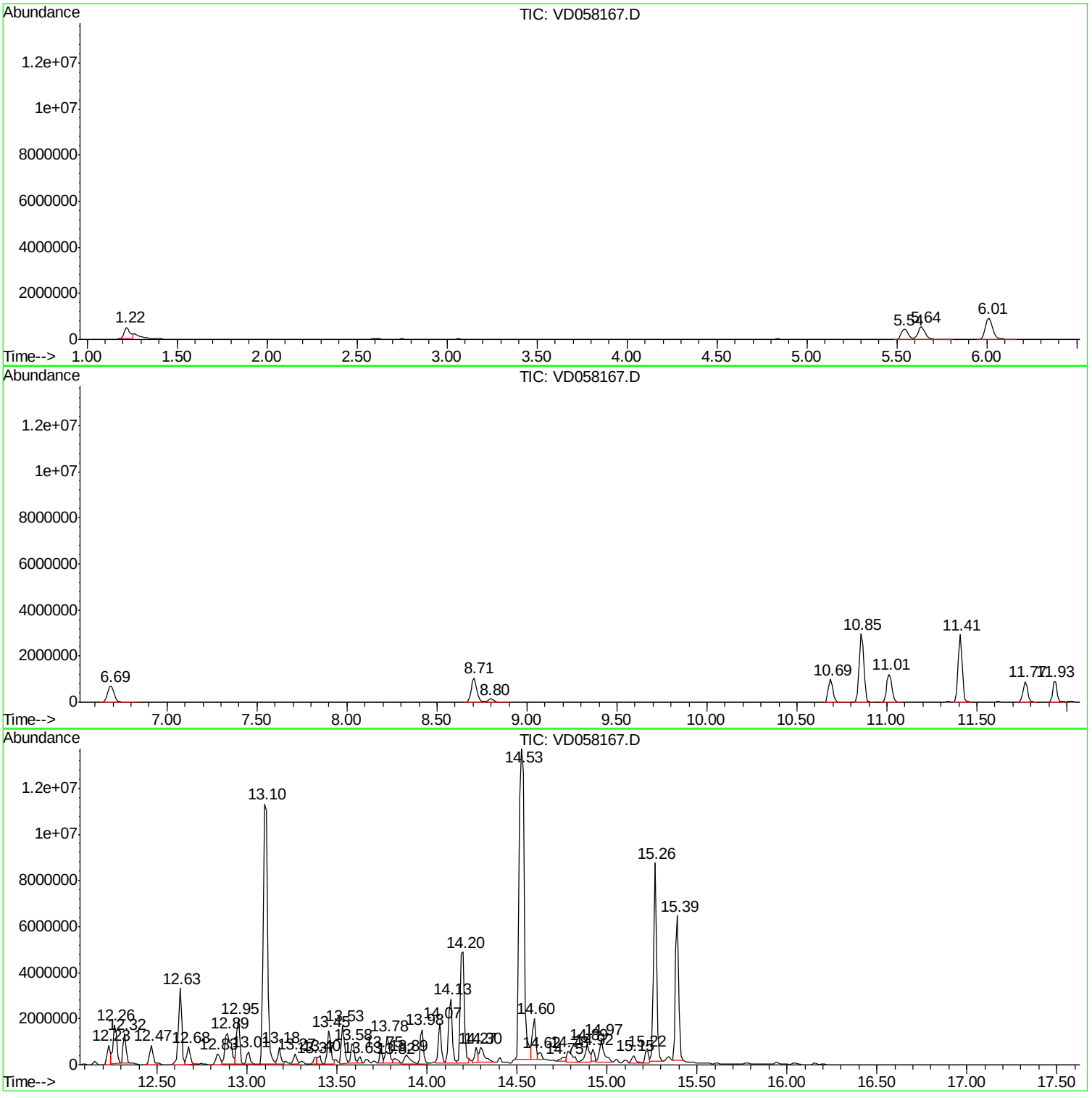
Instrument : MSVOA_D
ClientSampleId : AREA-3(D)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260

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



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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	36.29 ug/l	2279520	1,4-Dichlorobenzene-d4	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90

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Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	290.70 ug/l	18261000	1,4-Dichlorobenzene-d4	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	86
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76

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Peak Number 3 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	33.04 ug/l	2075600	1,4-Dichlorobenzene-d4	12.91

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	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87

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Peak Number 4 1-Phenyl-1-butene Concentration Rank 7

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

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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AREA-3(D)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.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.
14.07	37.29 ug/l	2342610	1,4-Dichlorobenzene-d4	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	78
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	78

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Peak Number 5 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	59.86 ug/l	3760520	1,4-Dichlorobenzene-d4	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95

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Peak Number 6 Benzene,1-methyl-1,2-propad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	118.61 ug/l	7450420	1,4-Dichlorobenzene-d4	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
2	2-Methylindene	130	C10H10	002177-47-1	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	92
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91

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Peak Number 7 Cyclopenta[c]thiapyran Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	35.10 ug/l	2204970	1,4-Dichlorobenzene-d4	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Instrument : MSVOA_D
ClientSampleId : AREA-3(D)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260

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

1	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	94
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	45
5	Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	45

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	187.92 ug/l	11804500	1,4-Dichlorobenzene-d4	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	53

Tentatively Identified Compound (LSC) summary

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					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	12.26	36.3	ug/l	2279520	4	12.91	3140870	50.0
Indane	13.10	290.7	ug/l	18261000	4	12.91	3140870	50.0
Benzene, 1-etheny...	13.53	33.0	ug/l	2075600	4	12.91	3140870	50.0
1-Phenyl-1-butene	14.07	37.3	ug/l	2342610	4	12.91	3140870	50.0
2-Methylindene	14.13	59.9	ug/l	3760520	4	12.91	3140870	50.0
Benzene,1-methyl-...	14.20	118.6	ug/l	7450420	4	12.91	3140870	50.0
Cyclopenta[c]thia...	14.60	35.1	ug/l	2204970	4	12.91	3140870	50.0
Naphthalene, 1-me...	15.26	187.9	ug/l	11804500	4	12.91	3140870	50.0