LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
Data File : VX002424.D
Acq On : 09 Jun 2018 16:36
Operator : JC/MD
Sample : J3396-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-09

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_X\METHOD\82X060418W.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	1.075	76	80	94	rBV	931786	1222995	44.94%	3.833%
2	1.301	114	117	124	rVB	269645	253601	9.32%	0.795%
3	1.404	130	134	140	rBV	1112391	1061786	39.01%	3.327%
4	1.788	192	197	215	rVB	1582263	2287287	84.04%	7.168%
5	2.002	227	232	246	rVB3	311978	618189	22.71%	1.937%
6	2.117	246	251	257	rBV	167008	237848	8.74%	0.745%
7	2.215	263	267	271	rBV	41735	56609	2.08%	0.177%
8	2.270	271	276	286	rVB	881142	1362087	50.05%	4.268%
9	2.398	290	297	302	rBV	105381	208558	7.66%	0.654%
10	2.447	302	305	311	rVB	29696	48278	1.77%	0.151%
11	2.843	354	370	376	rBV2	139562	399183	14.67%	1.251%
12	2.934	377	385	399	rVB	795283	1788019	65.70%	5.603%
13	3.172	416	424	436	rVB	84868	198231	7.28%	0.621%
14	3.392	452	460	470	rBV2	28178	68042	2.50%	0.213%
15	3.812	520	529	538	rBV	135692	329668	12.11%	1.033%
16	3.922	538	547	554	rVV2	105216	277662	10.20%	0.870%
17	3.989	554	558	567	rVV	46315	113861	4.18%	0.357%
18	4.081	567	573	582	rVB	24600	61339	2.25%	0.192%
19	4.196	582	592	602	rBV	91256	240293	8.83%	0.753%
20	4.398	615	625	637	rVV	232527	679892	24.98%	2.131%
21	4.526	637	646	658	rVB2	64115	186241	6.84%	0.584%
22	5.306	762	774	793	rVB2	165098	493582	18.14%	1.547%
23	5.507	796	807	814	rBV2	137855	405179	14.89%	1.270%
24	5.580	814	819	825	rVV2	82444	227498	8.36%	0.713%
25	5.666	825	833	859	rVB	214074	693620	25.49%	2.174%
26	6.074	890	900	915	rBV2	153833	403787	14.84%	1.265%
27	6.306	923	938	946	rBV2	104356	343258	12.61%	1.076%
28	6.458	959	963	976	rVB4	17803	46890	1.72%	0.147%
29	6.867	1020	1030	1040	rBV	308476	762396	28.01%	2.389%
30	7.263	1086	1095	1103	rBV2	29487	67604	2.48%	0.212%
31	7.458	1116	1127	1140	rBV5	33441	99524	3.66%	0.312%
32	7.934	1198	1205	1206	rBV2	23551	38043	1.40%	0.119%
33	7.964	1207	1210	1215	rVB2	26341	42866	1.58%	0.134%
34	8.214	1237	1251	1257	rBV2	59552	132578	4.87%	0.415%

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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
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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
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Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Title : SW846 8260

35	8.513	1294	1300	1305	rBV2	23636	40599	1.49%	0.127%
36	8.580	1305	1311	1319	rVV4	80153	163452	6.01%	0.512%
37	8.671	1319	1326	1328	rVV2	24981	42007	1.54%	0.132%
38	8.720	1328	1334	1340	rVV	765945	1179429	43.34%	3.696%
39	8.787	1340	1345	1351	rVV	287696	445147	16.36%	1.395%
40	8.842	1351	1354	1358	rVV	24883	37975	1.40%	0.119%
41	8.915	1358	1366	1373	rVB	43836	81616	3.00%	0.256%
42	9.043	1381	1387	1393	rVB3	57061	99361	3.65%	0.311%
43	9.165	1402	1407	1412	rVB	26840	44291	1.63%	0.139%
44	9.226	1412	1417	1421	rBV	31422	50010	1.84%	0.157%
45	9.573	1469	1474	1479	rVB4	20267	34746	1.28%	0.109%
46	9.634	1479	1484	1488	rBV2	33621	49231	1.81%	0.154%
47	10.116	1554	1563	1570	rBV	651471	889034	32.67%	2.786%
48	10.189	1570	1575	1581	rVV	30476	55089	2.02%	0.173%
49	10.256	1581	1586	1590	rVV	66228	88026	3.23%	0.276%
50	10.360	1595	1603	1610	rVB	1120744	1574439	57.85%	4.934%
51	10.518	1620	1629	1640	rVB5	26088	64965	2.39%	0.204%
52	10.665	1641	1653	1655	rBV6	25394	72145	2.65%	0.226%
53	10.701	1655	1659	1665	rVB	245237	316260	11.62%	0.991%
54	10.842	1671	1682	1686	rBV2	37236	64605	2.37%	0.202%
55	11.024	1707	1712	1716	rBV	275942	361703	13.29%	1.133%
56	11.140	1726	1731	1736	rBV	670565	834251	30.65%	2.614%
57	11.366	1762	1768	1772	rBV	376908	475377	17.47%	1.490%
58	11.457	1778	1783	1788	rVB	88322	113296	4.16%	0.355%
59	11.671	1813	1818	1827	rVB	327805	407207	14.96%	1.276%
60	11.768	1828	1834	1837	rVV3	28467	51571	1.89%	0.162%
61	11.811	1837	1841	1852	rVB2	59207	101001	3.71%	0.317%
62	11.921	1854	1859	1861	rBV	40482	61962	2.28%	0.194%
63	11.951	1861	1864	1872	rVB	106579	141336	5.19%	0.443%
64	12.085	1880	1886	1890	rBV	767943	1024640	37.65%	3.211%
65	12.146	1893	1896	1901	rVB	150911	179170	6.58%	0.561%
66	12.305	1916	1922	1928	rBV	2244454	2721590	100.00%	8.529%
67	12.372	1929	1933	1943	rVB3	47306	88522	3.25%	0.277%
68	12.463	1943	1948	1953	rBV	78284	100250	3.68%	0.314%
69	12.670	1973	1982	1985	rBV	174139	233606	8.58%	0.732%
70	12.707	1985	1988	1992	rVV	95493	130691	4.80%	0.410%
71	12.762	1992	1997	2004	rVV	409319	554285	20.37%	1.737%

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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Title : SW846 8260

72	12.902	2011	2020	2025	rVB2	85279	142256	5.23%	0.446%
73	12.981	2025	2033	2038	rBV	192964	268410	9.86%	0.841%
74	13.091	2047	2051	2056	rVB	39069	57998	2.13%	0.182%
75	13.201	2064	2069	2071	rVV2	65102	90288	3.32%	0.283%
76	13.231	2071	2074	2077	rVV	126163	169408	6.22%	0.531%
77	13.256	2077	2078	2083	rVV	51454	39703	1.46%	0.124%
78	13.317	2083	2088	2089	rVV2	21534	33059	1.21%	0.104%
79	13.353	2089	2094	2099	rVV2	525282	712501	26.18%	2.233%
80	13.408	2099	2103	2109	rVV3	39923	62336	2.29%	0.195%
81	13.481	2109	2115	2121	rVB4	34402	61121	2.25%	0.192%
82	13.603	2132	2135	2138	rVV2	30030	43967	1.62%	0.138%
83	13.646	2138	2142	2145	rVV2	60994	87665	3.22%	0.275%
84	13.682	2145	2148	2149	rVV2	48299	57535	2.11%	0.180%
85	13.725	2153	2155	2164	rVB2	70364	95057	3.49%	0.298%
86	13.841	2165	2174	2182	rBV	376237	540038	19.84%	1.692%
87	13.914	2182	2186	2191	rVB	53197	66392	2.44%	0.208%
88	13.987	2191	2198	2202	rBV2	75152	123747	4.55%	0.388%
89	14.030	2202	2205	2214	rVB2	35857	58002	2.13%	0.182%
90	14.134	2218	2222	2225	rBV2	22633	32972	1.21%	0.103%
91	14.170	2225	2228	2232	rVB	31141	35347	1.30%	0.111%
92	14.274	2242	2245	2256	rVB	43775	63825	2.35%	0.200%
93	14.384	2256	2263	2267	rBV	46467	66109	2.43%	0.207%
94	14.432	2267	2271	2276	rVV3	34368	55581	2.04%	0.174%
95	14.542	2285	2289	2297	rBV3	65846	112073	4.12%	0.351%
96	14.664	2302	2309	2317	rBV3	29604	62031	2.28%	0.194%
97	14.737	2317	2321	2325	rBV3	25595	34739	1.28%	0.109%
98	14.847	2334	2339	2346	rVB2	150612	225438	8.28%	0.706%
99	15.255	2400	2406	2412	rVB4	17994	36162	1.33%	0.113%
100	15.694	2470	2478	2481	rBV4	20971	47651	1.75%	0.149%

Sum of corrected areas: 31910790

LSC Report - Integrated Chromatogram

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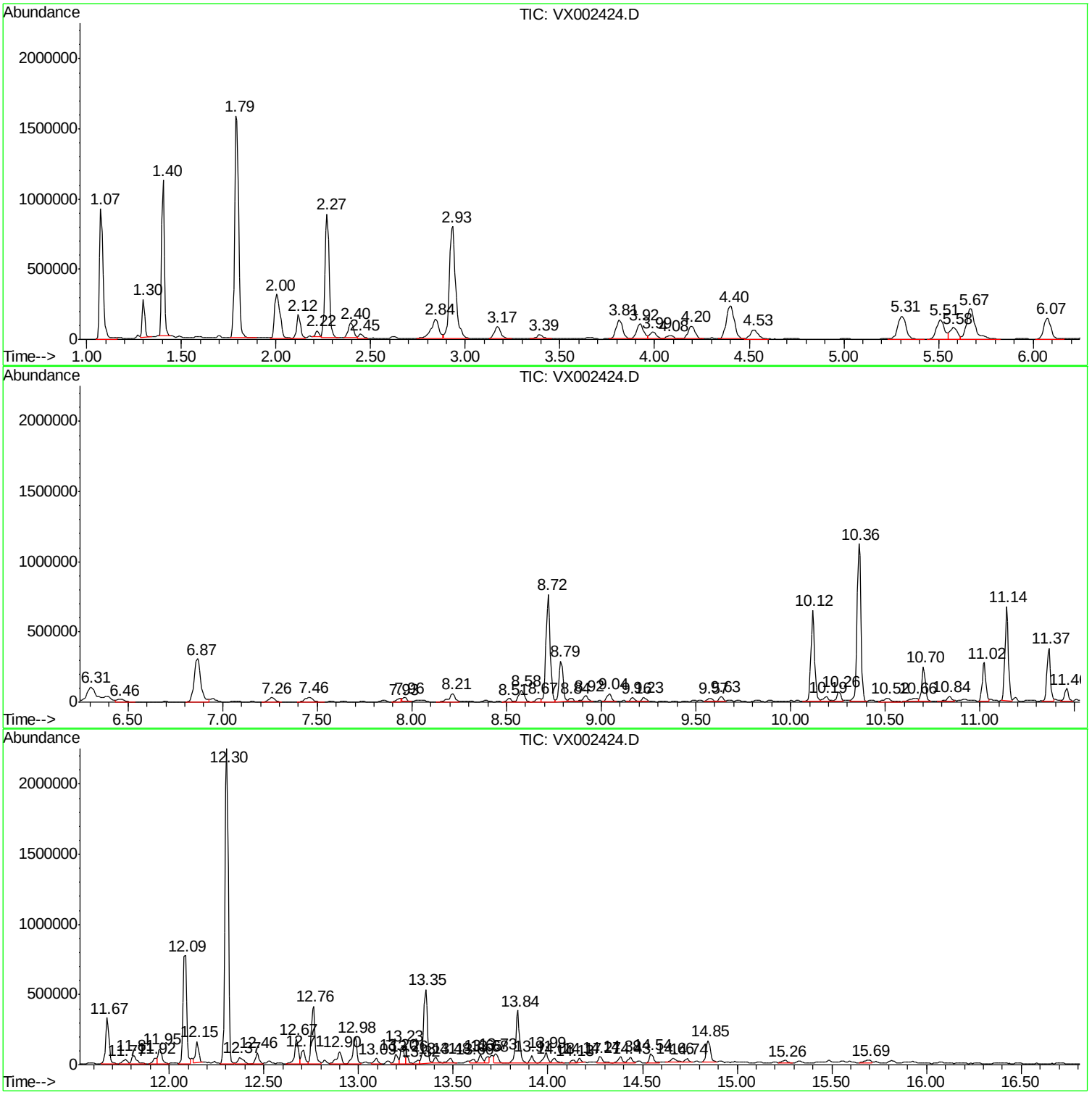
Instrument : MSVOA_X
ClientSampleId : W-09

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060918\
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Quant Title : SW846 8260

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

****

Peak Number 1 Butane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	76.54 ug/l	1061790	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Isobutane	58	C4H10	000075-28-5	9
3	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
5	Diazene, dimethyl-	58	C2H6N2	000503-28-6	5

****

Peak Number 2 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	164.88 ug/l	2287290	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	14
5	1-Butene	56	C4H8	000106-98-9	10

****

Peak Number 3 Pentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	44.56 ug/l	618189	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	72
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
4	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	12
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9

****

Peak Number 4 2-Butene, 2-methyl- Concentration Rank 4

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-09

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.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.
2.27	98.19 ug/l	1362090	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	87
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	81

****

Peak Number 5 Cyclopentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	128.89 ug/l	1788020	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	1-Pentene	70	C5H10	000109-67-1	86
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	23
5	Cyclobutanone	70	C4H6O	001191-95-3	9

****

Peak Number 6 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	49.01 ug/l	679892	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59

****

Peak Number 7 Cyclopentene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.31	35.58 ug/l	493582	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Instrument : MSVOA_X
ClientSampleId : W-09

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

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

1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5 87
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0 87
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3 86
4	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4 86
5	Cyclopentane, methylene-	82	C6H10	001528-30-9 83

****

Peak Number 8 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	132.81 ug/l	2721590	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Deltacyclene	118	C9H10	007785-10-6	72
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64

****

Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	34.77 ug/l	712501	1,4-Dichlorobenzene-d4	12.09

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-4-methyl-	132	C10H12	000824-22-6	93
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87

Tentatively Identified Compound (LSC) summary

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ClientSampleId : W-09

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.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
Butane	1.40	76.5	ug/l	1061790	1	5.67	693620	50.0
Butane, 2-methyl-	1.79	164.9	ug/l	2287290	1	5.67	693620	50.0
Pentane	2.00	44.6	ug/l	618189	1	5.67	693620	50.0
2-Butene, 2-methyl-	2.27	98.2	ug/l	1362090	1	5.67	693620	50.0
Cyclopentane	2.93	128.9	ug/l	1788020	1	5.67	693620	50.0
Cyclopentane, met...	4.40	49.0	ug/l	679892	1	5.67	693620	50.0
Cyclopentene, 4-m...	5.31	35.6	ug/l	493582	1	5.67	693620	50.0
Indane	12.30	132.8	ug/l	2721590	4	12.09	1024640	50.0
Benzene, 1-etheny...	13.35	34.8	ug/l	712501	4	12.09	1024640	50.0