LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067058.D
Acq On : 03 Oct 2020 02:54
Operator : VA/SY
Sample : L4247-04
Misc : 5.08G/5.00ml/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-18(5-7)

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\82D100120S.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	4.968	507	518	530	rBV5	27996	99375	3.20%	0.274%
2	7.203	888	898	907	rBV	52006	155840	5.01%	0.429%
3	7.914	1008	1019	1024	rBV	416252	995127	32.02%	2.740%
4	7.979	1024	1030	1041	rVB	769016	1730792	55.70%	4.766%
5	8.332	1074	1090	1100	rBV2	335621	900198	28.97%	2.479%
6	8.861	1170	1180	1195	rBV	1053229	2163880	69.63%	5.959%
7	9.356	1255	1264	1274	rVB5	24938	63727	2.05%	0.175%
8	10.108	1384	1392	1397	rBV7	12249	32637	1.05%	0.090%
9	10.338	1423	1431	1447	rBV	1685719	3107481	100.00%	8.557%
10	10.520	1455	1462	1468	rVB4	45929	88454	2.85%	0.244%
11	10.720	1491	1496	1501	rVV	96423	174767	5.62%	0.481%
12	10.773	1501	1505	1514	rVV8	18046	39207	1.26%	0.108%
13	10.867	1516	1521	1529	rVB7	23275	49122	1.58%	0.135%
14	10.950	1529	1535	1540	rBV4	21256	37456	1.21%	0.103%
15	11.085	1553	1558	1562	rBV3	28134	47831	1.54%	0.132%
16	11.185	1572	1575	1580	rVB2	34270	51185	1.65%	0.141%
17	11.244	1580	1585	1591	rVB2	52721	89488	2.88%	0.246%
18	11.350	1598	1603	1608	rBV5	29515	57578	1.85%	0.159%
19	11.426	1608	1616	1618	rBV4	89166	174909	5.63%	0.482%
20	11.526	1628	1633	1640	rVB2	69692	124639	4.01%	0.343%
21	11.644	1646	1653	1664	rBV	1488660	2591265	83.39%	7.136%
22	11.855	1679	1689	1698	rBV2	303577	651641	20.97%	1.795%
23	12.073	1720	1726	1732	rVB7	22471	38203	1.23%	0.105%
24	12.155	1732	1740	1743	rBV4	102226	234401	7.54%	0.646%
25	12.267	1754	1759	1764	rVB	106506	155879	5.02%	0.429%
26	12.355	1769	1774	1776	rBV5	65729	111067	3.57%	0.306%
27	12.485	1791	1796	1797	rBV5	32490	53351	1.72%	0.147%
28	12.555	1805	1808	1811	rBV2	68803	105618	3.40%	0.291%
29	12.585	1811	1813	1816	rVV2	98573	104669	3.37%	0.288%
30	12.632	1816	1821	1832	rVB	1278764	2280435	73.39%	6.280%
31	12.720	1833	1836	1839	rVB5	27505	37903	1.22%	0.104%
32	12.802	1845	1850	1856	rVB4	108844	221226	7.12%	0.609%
33	12.885	1856	1864	1867	rBV4	139052	290264	9.34%	0.799%
34	12.949	1867	1875	1882	rVV2	921442	1792139	57.67%	4.935%

LSC Area Percent Report

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Acq On : 03 Oct 2020 02:54
Operator : VA/SY
Sample : L4247-04
Misc : 5.08G/5.00ml/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-18(5-7)

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\82D100120S.M
Title : SW846 8260

35	13.008	1882	1885	1891	rVB6	91022	159006	5.12%	0.438%
36	13.120	1897	1904	1911	rBV2	131406	375794	12.09%	1.035%
37	13.185	1911	1915	1921	rVB2	225839	354865	11.42%	0.977%
38	13.273	1927	1930	1934	rVB	106464	147915	4.76%	0.407%
39	13.314	1934	1937	1941	rVB3	64530	80576	2.59%	0.222%
40	13.367	1943	1946	1948	rVV3	44280	52704	1.70%	0.145%
41	13.396	1949	1951	1955	rVV3	45946	68080	2.19%	0.187%
42	13.467	1955	1963	1967	rVV4	281165	612224	19.70%	1.686%
43	13.508	1967	1970	1974	rVV3	200975	348302	11.21%	0.959%
44	13.579	1974	1982	1991	rVV2	1616294	3024239	97.32%	8.328%
45	13.649	1991	1994	1999	rVB2	162391	216249	6.96%	0.596%
46	13.738	2001	2009	2011	rBV8	71402	175962	5.66%	0.485%
47	13.773	2011	2015	2019	rVV2	218162	366957	11.81%	1.011%
48	13.814	2019	2022	2031	rVB2	210528	360523	11.60%	0.993%
49	13.896	2031	2036	2042	rBV	906393	1412273	45.45%	3.889%
50	13.944	2042	2044	2045	rVV	70770	65646	2.11%	0.181%
51	13.973	2046	2049	2053	rVV	153352	266254	8.57%	0.733%
52	14.061	2057	2064	2069	rVV4	205314	560939	18.05%	1.545%
53	14.120	2069	2074	2079	rVV	255677	472412	15.20%	1.301%
54	14.161	2079	2081	2087	rVB7	76543	123235	3.97%	0.339%
55	14.232	2087	2093	2098	rVB3	278848	477994	15.38%	1.316%
56	14.296	2098	2104	2110	rBV6	77257	175356	5.64%	0.483%
57	14.373	2110	2117	2119	rBV5	148810	313267	10.08%	0.863%
58	14.414	2120	2124	2128	rVV3	243310	499396	16.07%	1.375%
59	14.455	2128	2131	2133	rVV2	162427	247944	7.98%	0.683%
60	14.485	2134	2136	2140	rVV	165833	199004	6.40%	0.548%
61	14.532	2140	2144	2147	rVV	171406	234337	7.54%	0.645%
62	14.573	2147	2151	2158	rVB3	129151	216860	6.98%	0.597%
63	14.632	2158	2161	2163	rBV4	34465	48923	1.57%	0.135%
64	14.667	2165	2167	2172	rVV2	81024	106055	3.41%	0.292%
65	14.720	2172	2176	2178	rVV3	101461	164116	5.28%	0.452%
66	14.755	2178	2182	2188	rVV2	462579	703336	22.63%	1.937%
67	14.832	2188	2195	2200	rVV5	363939	872921	28.09%	2.404%
68	14.879	2200	2203	2210	rVB3	174061	332501	10.70%	0.916%
69	14.991	2217	2222	2229	rVB2	169508	294034	9.46%	0.810%
70	15.102	2236	2241	2244	rBV3	107824	170270	5.48%	0.469%
71	15.214	2254	2260	2268	rVB3	135116	289408	9.31%	0.797%

LSC Area Percent Report

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ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-18(5-7)

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

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Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Title : SW846 8260

72	15.373	2282	2287	2290	rBV2	120873	238615	7.68%	0.657%
73	15.402	2290	2292	2298	rVB	125612	189130	6.09%	0.521%
74	15.467	2298	2303	2307	rBV2	79562	137799	4.43%	0.379%
75	15.520	2308	2312	2314	rBV5	48117	71237	2.29%	0.196%
76	15.602	2322	2326	2335	rVB2	182707	357249	11.50%	0.984%
77	15.702	2337	2343	2352	rVV5	78467	196335	6.32%	0.541%
78	15.785	2355	2357	2363	rVV7	50624	75840	2.44%	0.209%
79	15.873	2367	2372	2375	rVV4	54863	125869	4.05%	0.347%
80	15.920	2375	2380	2387	rVB3	143134	274098	8.82%	0.755%
81	16.079	2401	2407	2422	rVB7	60265	229865	7.40%	0.633%
82	16.238	2425	2434	2441	rBV6	91139	252571	8.13%	0.696%
83	16.355	2451	2454	2460	rVB8	24358	42070	1.35%	0.116%
84	16.438	2460	2468	2474	rVV7	65257	176331	5.67%	0.486%
85	16.508	2474	2480	2485	rVV	98557	210100	6.76%	0.579%
86	16.573	2487	2491	2496	rVB2	47933	80276	2.58%	0.221%
87	16.714	2506	2515	2523	rBV5	74596	214047	6.89%	0.589%

Sum of corrected areas: 36313063

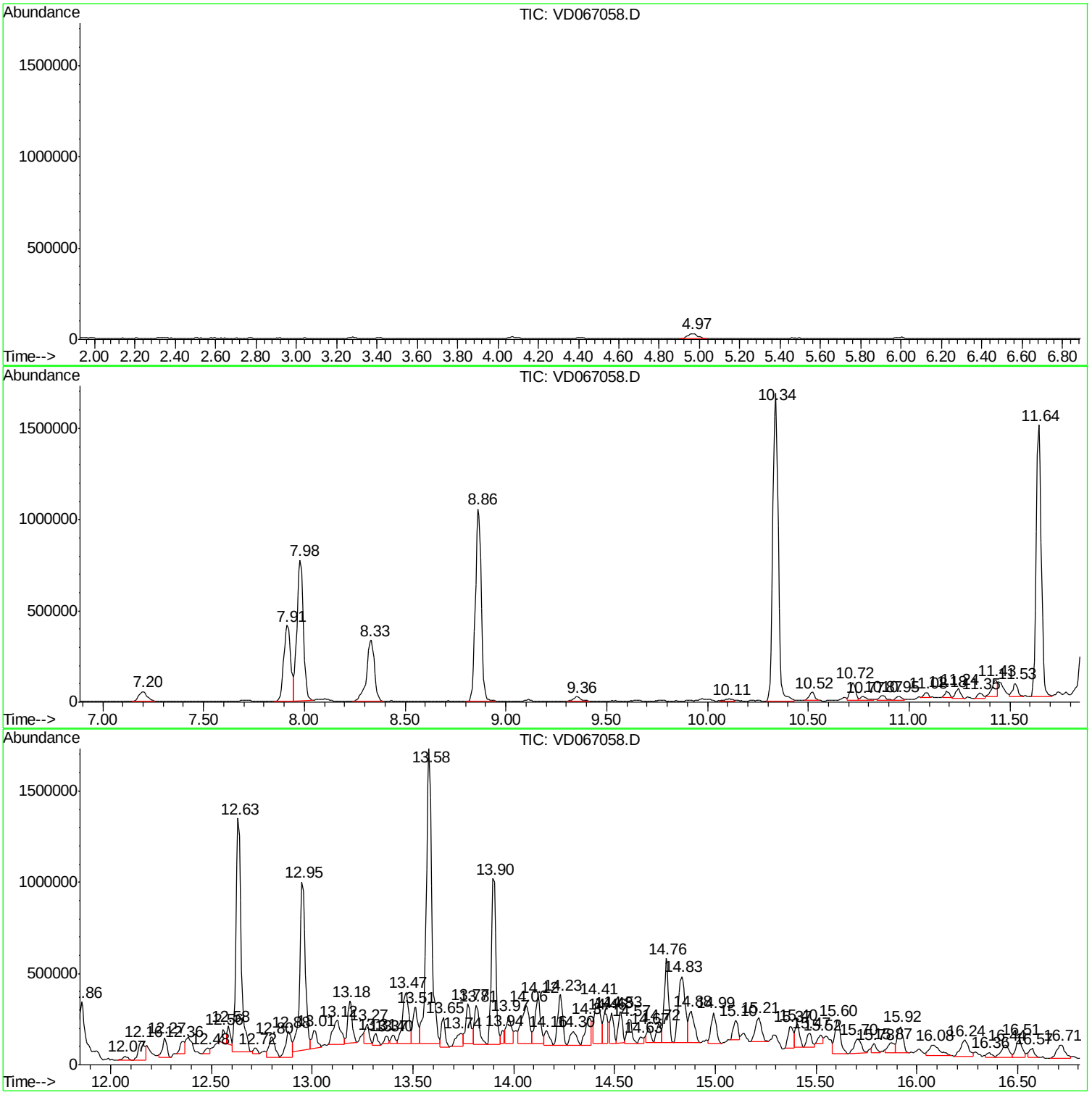
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067058.D
Acq On : 03 Oct 2020 02:54
Operator : VA/SY
Sample : L4247-04
Misc : 5.08G/5.00ml/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-18(5-7)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100220\
Data File : VD067058.D
Acq On : 03 Oct 2020 02:54
Operator : VA/SY
Sample : L4247-04
Misc : 5.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-18(5-7)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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

****

Peak Number 1 Nonane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	12.57 ug/l	651641	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Octane	114	C8H18	000111-65-9	50
3	Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	50
4	4,4-Dimethyl octane	142	C10H22	015869-95-1	50
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47

****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	6.21 ug/l	375794	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Mesitylene	120	C9H12	000108-67-8	90

****

Peak Number 3 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	10.12 ug/l	612224	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	80
2	p-Cymene	134	C10H14	000099-87-6	80
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	42
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	38
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	38

****

Peak Number 4 Undecane Concentration Rank 1

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

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Misc : 5.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-18(5-7)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.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.
13.90	23.35 ug/l	1412270	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	96
2	Hexadecane	226	C16H34	000544-76-3	72
3	Tetradecane	198	C14H30	000629-59-4	72
4	Decane	142	C10H22	000124-18-5	59
5	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	53

****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	9.27 ug/l	560939	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	92
3	p-Cymene	134	C10H14	000099-87-6	86
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70

****

Peak Number 6 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	7.81 ug/l	472412	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90

****

Peak Number 7 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	7.90 ug/l	477994	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-18(5-7)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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

1	Benzene, 2-butenyl-	132	C10H12	001560-06-1 90
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3 50
3	1-Phenyl-1-butene	132	C10H12	000824-90-8 50
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0 50
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7 43

****

Peak Number 8 unknown14.41 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	8.26 ug/l	499396	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Dodecyne	166	C12H22	006975-99-1	38
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	35
5	trans-1-Butenylcyclopentane	124	C9H16	1000113-50-9	18

****

Peak Number 9 Dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	11.63 ug/l	703336	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	58
3	Tetradecane	198	C14H30	000629-59-4	58
4	Tridecane	184	C13H28	000629-50-5	53
5	Hexadecane	226	C16H34	000544-76-3	53

****

Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	14.43 ug/l	872921	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50

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ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-18(5-7)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260

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

4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	50
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	50

Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.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
Nonane	11.86	12.6	ug/l	651641	3	11.64	2591270	50.0
Benzene, 1-ethyl-...	13.12	6.2	ug/l	375794	4	13.58	3024240	50.0
o-Cymene	13.47	10.1	ug/l	612224	4	13.58	3024240	50.0
Undecane	13.90	23.4	ug/l	1412270	4	13.58	3024240	50.0
Benzene, 2-ethyl-...	14.06	9.3	ug/l	560939	4	13.58	3024240	50.0
Benzene, 1-methyl...	14.12	7.8	ug/l	472412	4	13.58	3024240	50.0
Benzene, 2-butenyl-	14.23	7.9	ug/l	477994	4	13.58	3024240	50.0
unknown14.41	14.41	8.3	ug/l	499396	4	13.58	3024240	50.0
Dodecane	14.76	11.6	ug/l	703336	4	13.58	3024240	50.0
Benzene, 1-methyl...	14.83	14.4	ug/l	872921	4	13.58	3024240	50.0