LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080518\
Data File : VX003858.D
Acq On : 03 Aug 2018 19:34
Operator : JC/MD
Sample : J4263-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0522

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\82X080318W.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	1.074	68	80	90	rBV	411139	539549	100.00%	7.010%
2	1.788	191	197	206	rVB	26935	38034	7.05%	0.494%
3	2.001	227	232	241	rVB	15584	20890	3.87%	0.271%
4	2.391	288	296	302	rBV	26077	51928	9.62%	0.675%
5	2.440	302	304	313	rVB2	4288	7228	1.34%	0.094%
6	2.623	329	334	340	rVB	3588	6147	1.14%	0.080%
7	2.842	362	370	373	rBV	36720	77890	14.44%	1.012%
8	2.885	373	377	396	rVB	58627	128027	23.73%	1.663%
9	3.166	413	423	440	rVB	102139	228298	42.31%	2.966%
10	4.135	572	582	594	rBV3	4085	12083	2.24%	0.157%
11	4.300	599	609	615	rBV2	4582	13723	2.54%	0.178%
12	4.397	615	625	641	rVV	96923	273050	50.61%	3.548%
13	4.549	641	650	660	rVB5	1819	6141	1.14%	0.080%
14	5.232	750	762	774	rVB4	6338	22410	4.15%	0.291%
15	5.507	794	807	812	rBV	52885	146960	27.24%	1.909%
16	5.574	812	818	826	rVB	48827	130357	24.16%	1.694%
17	5.665	826	833	841	rBV	64475	166122	30.79%	2.158%
18	5.939	865	878	890	rBV7	24111	85546	15.86%	1.111%
19	6.074	890	900	916	rVV	52079	135200	25.06%	1.757%
20	6.256	918	930	940	rVV5	30773	97010	17.98%	1.260%
21	6.354	940	946	954	rVV3	31192	80100	14.85%	1.041%
22	6.452	954	962	974	rVB	32499	86962	16.12%	1.130%
23	6.866	1019	1030	1046	rBV	116994	277865	51.50%	3.610%
24	7.464	1116	1128	1141	rBV	211308	480673	89.09%	6.245%
25	7.732	1162	1172	1181	rVB2	17589	38315	7.10%	0.498%
26	7.854	1185	1192	1201	rVB2	11743	22581	4.19%	0.293%
27	8.031	1211	1221	1234	rBV3	13651	29194	5.41%	0.379%
28	8.390	1274	1280	1286	rVB2	9825	17805	3.30%	0.231%
29	8.671	1317	1326	1328	rBV2	26274	45927	8.51%	0.597%
30	8.719	1328	1334	1344	rVV	286633	457375	84.77%	5.942%
31	8.841	1348	1354	1359	rVV	25096	42608	7.90%	0.554%
32	8.915	1362	1366	1372	rVB	7150	11234	2.08%	0.146%
33	9.043	1381	1387	1394	rVB	47525	75757	14.04%	0.984%
34	9.164	1398	1407	1413	rBV	18548	29459	5.46%	0.383%

LSC Area Percent Report

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Data File : VX003858.D
Acq On : 03 Aug 2018 19:34
Operator : JC/MD
Sample : J4263-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0522

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\82X080318W.M
Title : SW846 8260

35	9.335	1427	1435	1440	rBV2	3668	7361	1.36%	0.096%
36	9.573	1468	1474	1478	rBV	12500	18950	3.51%	0.246%
37	9.622	1478	1482	1487	rVB	21198	30289	5.61%	0.394%
38	9.683	1487	1492	1496	rBV	19007	27949	5.18%	0.363%
39	9.896	1518	1527	1534	rBV3	3102	5570	1.03%	0.072%
40	10.116	1557	1563	1569	rBV	242782	316217	58.61%	4.108%
41	10.189	1569	1575	1580	rVV	26499	38583	7.15%	0.501%
42	10.256	1580	1586	1591	rVV	29857	41730	7.73%	0.542%
43	10.359	1591	1603	1609	rVB2	39052	72770	13.49%	0.945%
44	10.518	1624	1629	1633	rVB	4143	5705	1.06%	0.074%
45	10.664	1640	1653	1658	rBV5	4854	11877	2.20%	0.154%
46	10.835	1678	1681	1687	rVB2	4877	6698	1.24%	0.087%
47	10.920	1687	1695	1703	rBV6	2260	5541	1.03%	0.072%
48	11.018	1706	1711	1723	rVB	40430	53764	9.96%	0.699%
49	11.140	1726	1731	1736	rBV	245059	296860	55.02%	3.857%
50	11.359	1762	1767	1775	rVV	99054	128483	23.81%	1.669%
51	11.457	1775	1783	1787	rVV	48810	87744	16.26%	1.140%
52	11.506	1787	1791	1797	rVB	84821	106720	19.78%	1.387%
53	11.670	1810	1818	1827	rVB	13141	16868	3.13%	0.219%
54	11.810	1836	1841	1846	rVB	244526	278830	51.68%	3.623%
55	11.920	1855	1859	1861	rBV	14747	20135	3.73%	0.262%
56	11.951	1861	1864	1872	rVB	42666	52191	9.67%	0.678%
57	12.030	1872	1877	1880	rBV	35246	42999	7.97%	0.559%
58	12.079	1880	1885	1891	rVV	307884	385812	71.51%	5.013%
59	12.146	1891	1896	1901	rVV	50708	60773	11.26%	0.790%
60	12.237	1906	1911	1915	rVB	12352	15648	2.90%	0.203%
61	12.304	1917	1922	1924	rBV	62080	78266	14.51%	1.017%
62	12.371	1929	1933	1942	rVB2	61984	95646	17.73%	1.243%
63	12.463	1942	1948	1953	rBV	26595	32410	6.01%	0.421%
64	12.518	1953	1957	1964	rBV	59250	74624	13.83%	0.970%
65	12.591	1964	1969	1971	rBV	63093	86702	16.07%	1.126%
66	12.615	1971	1973	1977	rVV	59163	58216	10.79%	0.756%
67	12.670	1977	1982	1985	rVV	92500	105392	19.53%	1.369%
68	12.700	1985	1987	1992	rVB	22919	27733	5.14%	0.360%
69	12.761	1992	1997	2004	rBV4	56064	105593	19.57%	1.372%
70	12.908	2015	2021	2025	rVB2	48458	67821	12.57%	0.881%
71	12.981	2025	2033	2036	rBV	53785	69005	12.79%	0.897%

LSC Area Percent Report

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Operator : JC/MD
Sample : J4263-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0522

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\82X080318W.M
Title : SW846 8260

72	13.024	2036	2040	2046	rVB	93795	117611	21.80%	1.528%
73	13.085	2046	2050	2056	rBV2	12077	20912	3.88%	0.272%
74	13.152	2058	2061	2064	rVB	6204	6270	1.16%	0.081%
75	13.194	2064	2068	2071	rBV2	13091	16386	3.04%	0.213%
76	13.225	2071	2073	2076	rVV	14266	16271	3.02%	0.211%
77	13.261	2076	2079	2083	rVB2	5444	8925	1.65%	0.116%
78	13.310	2083	2087	2089	rBV3	8884	12258	2.27%	0.159%
79	13.347	2089	2093	2099	rVB2	137041	183639	34.04%	2.386%
80	13.481	2111	2115	2121	rVB	49362	60908	11.29%	0.791%
81	13.566	2121	2129	2132	rBV3	8112	13350	2.47%	0.173%
82	13.603	2132	2135	2138	rVV	13192	18508	3.43%	0.240%
83	13.645	2138	2142	2146	rVV2	25194	46381	8.60%	0.603%
84	13.700	2146	2151	2152	rVV3	15529	24021	4.45%	0.312%
85	13.725	2152	2155	2161	rVB2	24092	36152	6.70%	0.470%
86	13.810	2164	2169	2171	rBV	4528	5570	1.03%	0.072%
87	13.853	2171	2176	2181	rVB2	10937	18868	3.50%	0.245%
88	13.914	2181	2186	2190	rBV	10432	13177	2.44%	0.171%
89	13.987	2190	2198	2202	rBV2	19280	27859	5.16%	0.362%
90	14.029	2202	2205	2209	rVB2	6852	8103	1.50%	0.105%
91	14.133	2218	2222	2225	rBV2	5220	6715	1.24%	0.087%
92	14.164	2225	2227	2235	rVV3	4717	6569	1.22%	0.085%
93	14.292	2235	2248	2256	rVV	24750	43866	8.13%	0.570%
94	14.432	2266	2271	2276	rVB	6118	7537	1.40%	0.098%
95	14.542	2285	2289	2297	rBV2	25068	32044	5.94%	0.416%
96	14.700	2308	2315	2319	rBV	45847	58346	10.81%	0.758%
97	14.840	2333	2338	2344	rBV	37505	49750	9.22%	0.646%
98	15.554	2448	2455	2460	rBV	4098	6074	1.13%	0.079%
99	15.694	2470	2478	2481	rBV2	6197	10926	2.03%	0.142%

Sum of corrected areas: 7696919

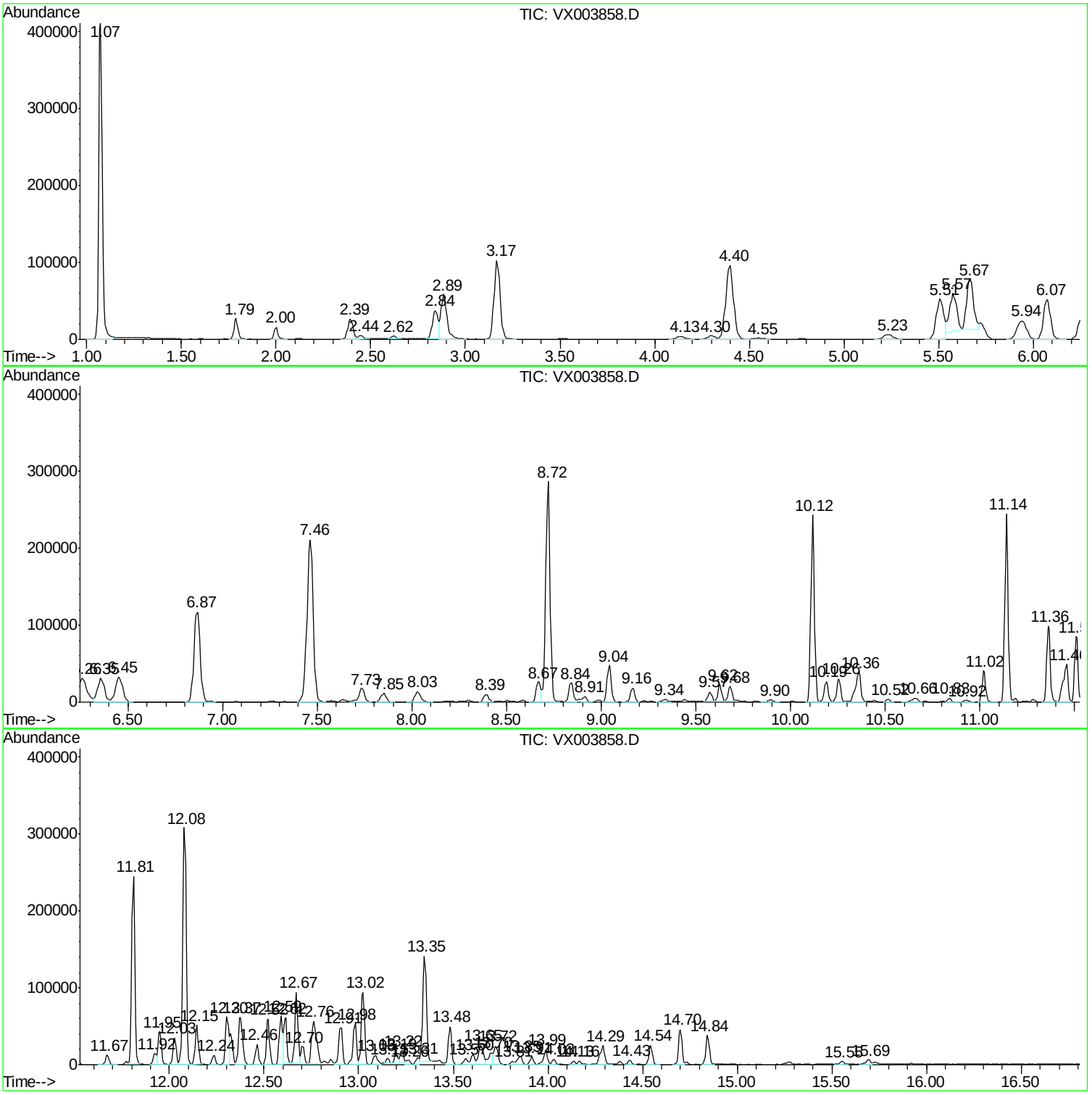
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080518\
Data File : VX003858.D
Acq On : 03 Aug 2018 19:34
Operator : JC/MD
Sample : J4263-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0522

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080518\
Data File : VX003858.D
Acq On : 03 Aug 2018 19:34
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0522

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
Quant Title : SW846 8260

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

****

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	23.44 ug/l	77890	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Tetrahydrofuran	72	C4H8O	000109-99-9	38
4	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	12
5	C2H5C(CH3)2COCH3	114	C7H14O	020669-04-9	10

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	38.53 ug/l	128027	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	53
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	43
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	42
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	40

****

Peak Number 3 Pentane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	68.71 ug/l	228298	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	59
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50

****

Peak Number 4 Cyclopentane, methyl- Concentration Rank 2

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

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Acq On : 03 Aug 2018 19:34
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Sample : J4263-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0522

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.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.
4.40	82.18 ug/l	273050	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43

****

Peak Number 5 Cyclopentane, 1,1-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	25.75 ug/l	85546	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	62
2	Heptane, 2-chloro-	134	C7H15Cl	001001-89-4	47
3	2-n-Propylaziridine	85	C5H11N	003647-38-9	43
4	Isopropylcyclobutane	98	C7H14	000872-56-0	38
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	35

****

Peak Number 6 Cyclopentane, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	29.20 ug/l	97010	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	97
2	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	94
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	64

****

Peak Number 7 Isopropylcyclobutane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	15.65 ug/l	86962	1,4-Difluorobenzene	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Sample : J4263-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0522

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
Quant Title : SW846 8260

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

1	Isopropylcyclobutane	98 C7H14	000872-56-0	93
2	Cyclopentane, 1,2-dimethyl-, trans-	98 C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-	98 C7H14	002452-99-5	90
4	Cyclopentane, 1,3-dimethyl-	98 C7H14	002453-00-1	80
5	Cyclopentane, 1,3-dimethyl-, cis-	98 C7H14	002532-58-3	72

****

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	15.24 ug/l	117611	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93

****

Peak Number 9 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	23.80 ug/l	183639	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	81
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
4	p-Cymene	134	C10H14	000099-87-6	74
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	74

Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080518\
Data File : VX003858.D
Acq On : 03 Aug 2018 19:34
Operator : JC/MD
Sample : J4263-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0522

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.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, 2,3-dimet...	2.84	23.4	ug/l	77890	1	5.67	166122	50.0
Pentane, 2-methyl-	2.89	38.5	ug/l	128027	1	5.67	166122	50.0
Pentane, 3-methyl-	3.17	68.7	ug/l	228298	1	5.67	166122	50.0
Cyclopentane, met...	4.40	82.2	ug/l	273050	1	5.67	166122	50.0
Cyclopentane, 1,1...	5.94	25.8	ug/l	85546	1	5.67	166122	50.0
Cyclopentane, 1,3...	6.26	29.2	ug/l	97010	1	5.67	166122	50.0
Isopropylcyclobutane	6.45	15.7	ug/l	86962	2	6.87	277865	50.0
Benzene, 1,2,3,5-...	13.02	15.2	ug/l	117611	4	12.08	385812	50.0
o-Cymene	13.35	23.8	ug/l	183639	4	12.08	385812	50.0