LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049237.D
Acq On : 14 Jun 2018 19:16
Operator : MD\SY
Sample : J3435-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : NW1

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_N\METHODS\82N061318W.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	1.658	3	21	50	rBV	3703954	5528105	22.40%	4.105%
2	2.018	116	133	152	rBV	1699233	2568374	10.41%	1.907%
3	2.179	170	183	199	rBV	6142509	8606539	34.87%	6.390%
4	2.654	320	331	345	rVB	277793	515369	2.09%	0.383%
5	2.802	360	377	401	rBV	12366109	24683902	100.00%	18.327%
6	3.134	465	480	504	rVB3	2019051	4925180	19.95%	3.657%
7	3.314	519	536	558	rVV	650258	1418453	5.75%	1.053%
8	3.471	560	585	597	rVV2	279187	721083	2.92%	0.535%
9	3.561	597	613	640	rVB	1180126	2874494	11.65%	2.134%
10	3.796	663	686	716	rVB5	224283	801515	3.25%	0.595%
11	4.423	839	881	897	rBV3	480862	1667254	6.75%	1.238%
12	4.535	898	916	919	rBV3	528271	1358817	5.50%	1.009%
13	5.053	1049	1077	1107	rBV2	964538	3485599	14.12%	2.588%
14	5.928	1335	1349	1369	rVB3	115609	345732	1.40%	0.257%
15	6.069	1373	1393	1406	rBV4	191561	607094	2.46%	0.451%
16	6.159	1407	1421	1439	rVV2	310351	1021784	4.14%	0.759%
17	6.259	1440	1452	1470	rVV3	152679	461708	1.87%	0.343%
18	6.371	1471	1487	1504	rVB5	119427	354425	1.44%	0.263%
19	6.629	1545	1567	1589	rBV	2498623	7729973	31.32%	5.739%
20	7.387	1792	1803	1824	rVB3	128995	353026	1.43%	0.262%
21	7.593	1846	1867	1873	rBV2	473194	1126482	4.56%	0.836%
22	7.661	1874	1888	1904	rVB2	2169472	5910975	23.95%	4.389%
23	7.876	1940	1955	1965	rBV3	187811	455699	1.85%	0.338%
24	8.037	1987	2005	2025	rBV3	742622	1984950	8.04%	1.474%
25	8.172	2026	2047	2058	rBV6	620661	1991518	8.07%	1.479%
26	8.304	2079	2088	2107	rVB3	218823	507865	2.06%	0.377%
27	8.587	2159	2176	2199	rBV	1328362	3042677	12.33%	2.259%
28	8.828	2238	2251	2288	rVB9	74378	278032	1.13%	0.206%
29	9.082	2303	2330	2344	rBV2	866853	2381038	9.65%	1.768%
30	9.272	2378	2389	2401	rVB3	120333	247062	1.00%	0.183%
31	9.972	2595	2607	2630	rVB8	115084	297709	1.21%	0.221%
32	10.091	2630	2644	2655	rBV	2023346	3886444	15.74%	2.886%
33	10.159	2656	2665	2677	rVB	770968	1426466	5.78%	1.059%
34	10.304	2702	2710	2722	rVB2	146447	271511	1.10%	0.202%

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Title : SW846 8260

35	11.410	3040	3054	3074	rBV	2023318	3672056	14.88%	2.726%
36	11.513	3074	3086	3105	rVB	3424474	5841154	23.66%	4.337%
37	11.628	3110	3122	3144	rVB	1651949	2833027	11.48%	2.103%
38	11.950	3202	3222	3237	rBV	374114	665265	2.70%	0.494%
39	12.252	3304	3316	3329	rBV	673634	1089257	4.41%	0.809%
40	12.403	3350	3363	3380	rBV	1589907	2716764	11.01%	2.017%
41	12.593	3410	3422	3435	rBV	725390	1161781	4.71%	0.863%
42	12.693	3435	3453	3473	rVB	576267	994179	4.03%	0.738%
43	12.895	3502	3516	3531	rBV	1508535	2447202	9.91%	1.817%
44	13.043	3550	3562	3579	rVB	1806488	2819924	11.42%	2.094%
45	13.345	3645	3656	3678	rVB2	1685094	3436412	13.92%	2.551%
46	13.545	3698	3718	3728	rBV	1791819	3263053	13.22%	2.423%
47	13.596	3728	3734	3749	rVB2	152893	349726	1.42%	0.260%
48	13.731	3766	3776	3789	rVB2	142485	302303	1.22%	0.224%
49	13.805	3789	3799	3816	rBV	381394	718825	2.91%	0.534%
50	13.892	3816	3826	3836	rVB	482687	723087	2.93%	0.537%
51	13.998	3849	3859	3875	rVB	964276	1572075	6.37%	1.167%
52	14.213	3910	3926	3931	rBV	352385	581668	2.36%	0.432%
53	14.252	3931	3938	3948	rVB	579894	886349	3.59%	0.658%
54	14.480	3999	4009	4019	rVB	410105	628022	2.54%	0.466%
55	14.596	4032	4045	4057	rBV3	1030674	1865609	7.56%	1.385%
56	14.853	4107	4125	4132	rBV4	139314	334821	1.36%	0.249%
57	14.963	4147	4159	4170	rVB2	150605	327096	1.33%	0.243%
58	15.136	4195	4213	4227	rBV	914380	1616199	6.55%	1.200%

Sum of corrected areas: 134682708

LSC Report - Integrated Chromatogram

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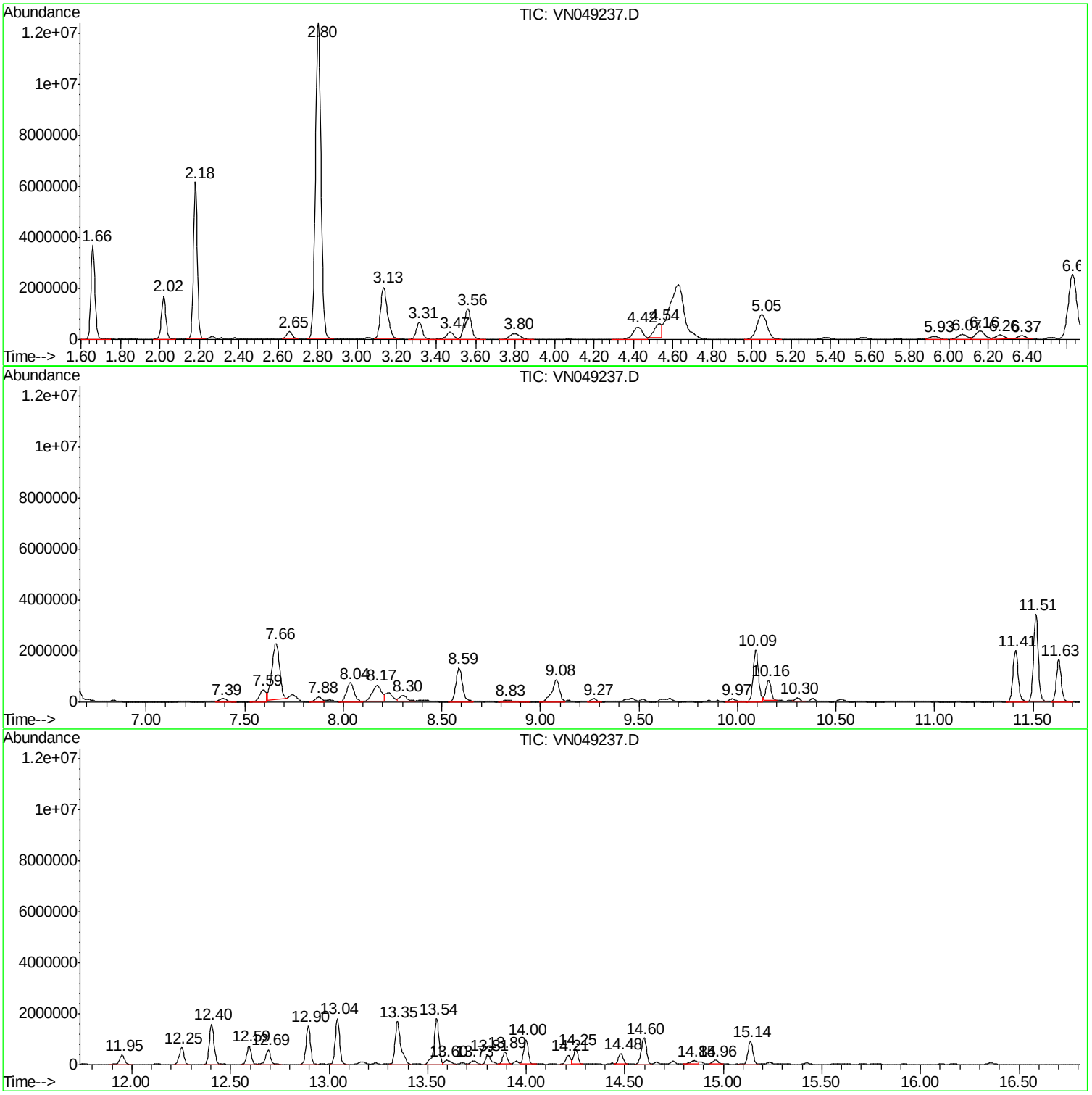
Instrument : MSVOA_N
ClientSampleId : NW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260

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



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Quant Title : SW846 8260

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

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Peak Number 1 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	72.80 ug/l	8606540	Pentafluorobenzene	7.67

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.80	208.80 ug/l	24683900	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	45
4	1-Butene	56	C4H8	000106-98-9	9
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9

****

Peak Number 3 Pentane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	41.66 ug/l	4925180	Pentafluorobenzene	7.67

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	64
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	40
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9
5	Formaldehyde, dimethylhydrazone	72	C3H8N2	002035-89-4	9

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Peak Number 4 Pentane, 3-methyl- Concentration Rank 9

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

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : NW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260

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

5.05	29.48 ug/l	3485600	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
4	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45

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Peak Number 5 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	65.39 ug/l	7729970	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Cyclohexane	84	C6H12	000110-82-7	56
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50

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Peak Number 6 Cyclohexene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	32.73 ug/l	1991520	1,4-Difluorobenzene	8.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene	82	C6H10	000110-83-8	93
2	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	64
3	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	64
4	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	64
5	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	64

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Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	35.61 ug/l	2447200	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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ClientSampleId : NW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260

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

1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3 95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8 91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8 91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4 91
5	Mesitylene	120	C9H12	000108-67-8 91

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Peak Number 8 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	47.48 ug/l	3263050	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
5	Deltacyclene	118	C9H10	007785-10-6	68

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Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	27.14 ug/l	1865610	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87

Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane	2.18	72.8	ug/l	8606540	1	7.67	5910980	50.0
Butane, 2-methyl-	2.80	208.8	ug/l	24683900	1	7.67	5910980	50.0
Pentane	3.13	41.7	ug/l	4925180	1	7.67	5910980	50.0
Pentane, 3-methyl-	5.05	29.5	ug/l	3485600	1	7.67	5910980	50.0
Cyclopentane, met...	6.63	65.4	ug/l	7729970	1	7.67	5910980	50.0
Cyclohexene	8.17	32.7	ug/l	1991520	2	8.59	3042680	50.0
Benzene, 1-ethyl-...	12.90	35.6	ug/l	2447200	4	13.35	3436410	50.0
Indane	13.54	47.5	ug/l	3263050	4	13.35	3436410	50.0
Benzene, 2-etheny...	14.60	27.1	ug/l	1865610	4	13.35	3436410	50.0