LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037918.D
Acq On : 29 Apr 2020 17:44
Operator : JC/MD
Sample : L2410-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBFF4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_U\METHOD\SOMULM042320WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.372	4	10	20	rBV	52295	51133	1.34%	0.194%
2	1.488	41	46	49	rBV3	18753	21301	0.56%	0.081%
3	1.613	76	85	96	rBV2	361633	398265	10.42%	1.510%
4	1.928	175	183	196	rVB	260418	334481	8.75%	1.268%
5	2.012	201	209	226	rVB	97140	135148	3.54%	0.512%
6	2.224	267	275	286	rVB	90104	126867	3.32%	0.481%
7	2.591	377	389	402	rBV	456643	751241	19.66%	2.849%
8	2.787	443	450	457	rBV	4500	6433	0.17%	0.024%
9	2.983	503	511	518	rVV3	3677	6743	0.18%	0.026%
10	3.070	528	538	540	rBV3	10490	13341	0.35%	0.051%
11	3.166	561	568	580	rVB2	26870	49823	1.30%	0.189%
12	3.395	625	639	662	rVB3	24215	56925	1.49%	0.216%
13	3.735	730	745	762	rBV3	16532	38645	1.01%	0.147%
14	3.793	762	763	772	rVB5	740	813	0.02%	0.003%
15	3.880	782	790	791	rBV5	859	1067	0.03%	0.004%
16	3.941	802	809	811	rBV5	866	802	0.02%	0.003%
17	4.005	824	829	833	rBV4	834	856	0.02%	0.003%
18	4.031	833	837	839	rBV3	1023	858	0.02%	0.003%
19	4.186	883	885	892	rVB3	779	916	0.02%	0.003%
20	4.224	892	897	899	rBV3	1098	790	0.02%	0.003%
21	4.330	926	930	935	rVB6	843	790	0.02%	0.003%
22	4.571	987	1005	1019	rBV	63348	148714	3.89%	0.564%
23	4.665	1019	1034	1075	rVB	302025	723001	18.92%	2.742%
24	5.018	1140	1144	1148	rVB3	1249	1129	0.03%	0.004%
25	5.102	1153	1170	1192	rBV	446780	968858	25.35%	3.674%
26	5.423	1253	1270	1285	rBV3	62109	145796	3.81%	0.553%
27	5.626	1323	1333	1341	rBV5	6730	13674	0.36%	0.052%
28	5.758	1353	1374	1406	rBV2	909876	2590322	67.78%	9.822%
29	6.018	1448	1455	1465	rBV6	6429	11411	0.30%	0.043%
30	6.089	1465	1477	1478	rBV7	6989	11325	0.30%	0.043%
31	6.282	1523	1537	1568	rVB	865357	1712419	44.81%	6.493%
32	6.568	1614	1626	1640	rBV5	29856	66412	1.74%	0.252%
33	6.722	1659	1674	1687	rBV	606660	1176338	30.78%	4.461%
34	7.009	1755	1763	1772	rVB5	5357	8719	0.23%	0.033%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037918.D
Acq On : 29 Apr 2020 17:44
Operator : JC/MD
Sample : L2410-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBFF4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_U\METHOD\SOMULM042320WMA.M
Title : VOC Analysis

35	7.073	1776	1783	1797	rVB2	5881	10842	0.28%	0.041%
36	7.201	1817	1823	1835	rVB5	5579	9375	0.25%	0.036%
37	7.253	1835	1839	1841	rBV4	1124	770	0.02%	0.003%
38	7.407	1883	1887	1888	rBV3	1363	813	0.02%	0.003%
39	7.481	1903	1910	1911	rBV3	757	711	0.02%	0.003%
40	7.520	1918	1922	1927	rVB4	1181	832	0.02%	0.003%
41	7.591	1930	1944	1968	rBV	350494	617699	16.16%	2.342%
42	7.709	1975	1981	1992	rVB3	5307	8144	0.21%	0.031%
43	7.922	2026	2047	2064	rBV	1085377	1992764	52.14%	7.556%
44	8.057	2083	2089	2102	rVB9	5444	10773	0.28%	0.041%
45	8.201	2122	2134	2148	rBV	247927	412067	10.78%	1.563%
46	8.394	2184	2194	2201	rVV6	4426	8074	0.21%	0.031%
47	8.491	2210	2224	2236	rBV2	13248	24566	0.64%	0.093%
48	8.574	2236	2250	2265	rBV	2202196	3821701	100.00%	14.492%
49	8.655	2265	2275	2299	rVB	922500	1656504	43.34%	6.281%
50	8.816	2316	2325	2327	rBV5	8404	11904	0.31%	0.045%
51	8.886	2341	2347	2356	rVB6	7080	11088	0.29%	0.042%
52	8.941	2361	2364	2366	rBV3	1105	759	0.02%	0.003%
53	9.089	2407	2410	2415	rVB4	905	821	0.02%	0.003%
54	9.179	2432	2438	2439	rBV3	2528	2338	0.06%	0.009%
55	9.230	2447	2454	2463	rVB6	3958	5639	0.15%	0.021%
56	9.291	2470	2473	2480	rVB6	903	892	0.02%	0.003%
57	9.356	2480	2493	2503	rBV6	2457	4692	0.12%	0.018%
58	9.436	2503	2518	2542	rBV	1218999	2102817	55.02%	7.974%
59	9.587	2558	2565	2567	rBV7	2919	3540	0.09%	0.013%
60	9.713	2592	2604	2619	rVB	94195	161383	4.22%	0.612%
61	9.899	2656	2662	2663	rBV2	1241	883	0.02%	0.003%
62	10.015	2688	2698	2704	rBV4	10996	20467	0.54%	0.078%
63	10.118	2718	2730	2750	rVB	141859	244722	6.40%	0.928%
64	10.250	2763	2771	2778	rBV8	4244	7596	0.20%	0.029%
65	10.291	2779	2784	2793	rVB8	4694	7547	0.20%	0.029%
66	10.362	2800	2806	2807	rBV4	3268	2969	0.08%	0.011%
67	10.500	2838	2849	2860	rBV2	19083	31072	0.81%	0.118%
68	10.709	2908	2914	2920	rBV4	3365	4148	0.11%	0.016%
69	10.770	2921	2933	2947	rVV	813821	1302742	34.09%	4.940%
70	10.902	2965	2974	2984	rVB2	7622	12696	0.33%	0.048%
71	11.034	3009	3015	3020	rBV7	2249	3403	0.09%	0.013%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037918.D
Acq On : 29 Apr 2020 17:44
Operator : JC/MD
Sample : L2410-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBFF4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_U\METHOD\SOMULM042320WMA.M
Title : VOC Analysis

72	11.102	3027	3036	3051	rVB	53826	86891	2.27%	0.329%
73	11.269	3078	3088	3091	rBV3	3014	3944	0.10%	0.015%
74	11.307	3091	3100	3111	rVB2	24700	43558	1.14%	0.165%
75	11.391	3121	3126	3130	rBV3	665	818	0.02%	0.003%
76	11.420	3132	3135	3139	rBV4	1162	1133	0.03%	0.004%
77	11.478	3144	3153	3165	rVB2	49265	77090	2.02%	0.292%
78	11.526	3165	3168	3178	rVB6	1030	1324	0.03%	0.005%
79	11.584	3181	3186	3193	rBV7	2955	3942	0.10%	0.015%
80	11.754	3229	3239	3246	rVB6	4785	7026	0.18%	0.027%
81	11.825	3248	3261	3277	rBV	1289607	2040175	53.38%	7.736%
82	11.909	3277	3287	3297	rBV2	26178	42188	1.10%	0.160%
83	11.960	3300	3303	3305	rBV3	1342	891	0.02%	0.003%
84	12.076	3329	3339	3354	rVV3	20576	38642	1.01%	0.147%
85	12.204	3367	3379	3395	rVB	1165641	1866965	48.85%	7.079%
86	12.385	3428	3435	3445	rVB	4757	7024	0.18%	0.027%
87	12.481	3459	3465	3469	rBV5	2546	3044	0.08%	0.012%
88	12.561	3484	3490	3494	rBV5	1907	2818	0.07%	0.011%
89	12.693	3524	3531	3541	rVB4	5627	8684	0.23%	0.033%
90	12.796	3557	3563	3572	rVB4	5483	7804	0.20%	0.030%
91	12.989	3615	3623	3632	rBV6	3099	4777	0.12%	0.018%
92	13.047	3633	3641	3649	rVB5	5491	8279	0.22%	0.031%
93	13.227	3695	3697	3701	rVV3	816	694	0.02%	0.003%
94	13.536	3790	3793	3795	rBV2	884	724	0.02%	0.003%
95	13.860	3887	3894	3902	rBV7	4014	6176	0.16%	0.023%
96	13.986	3930	3933	3936	rBV2	1015	742	0.02%	0.003%
97	14.111	3967	3972	3979	rVB3	4131	5056	0.13%	0.019%
98	14.246	4011	4014	4018	rBV4	693	708	0.02%	0.003%
99	14.622	4123	4131	4139	rBV6	2847	4588	0.12%	0.017%
100	15.089	4273	4276	4280	rVB4	1153	836	0.02%	0.003%

Sum of corrected areas: 26371650

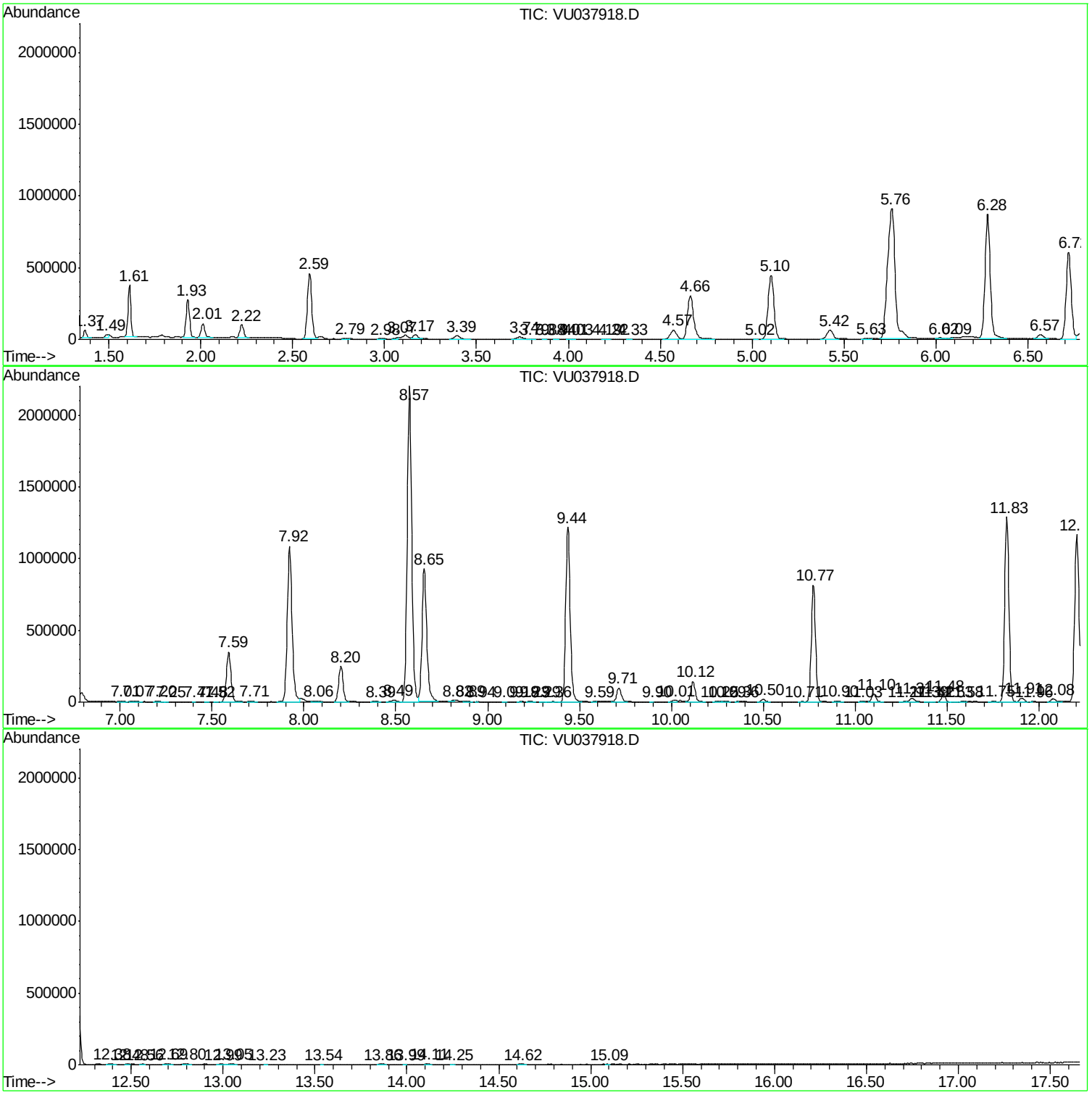
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042920\
Data File : VU037918.D
Acq On : 29 Apr 2020 17:44
Operator : JC/MD
Sample : L2410-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBFF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037918.D
Acq On : 29 Apr 2020 17:44
Operator : JC/MD
Sample : L2410-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBFF4

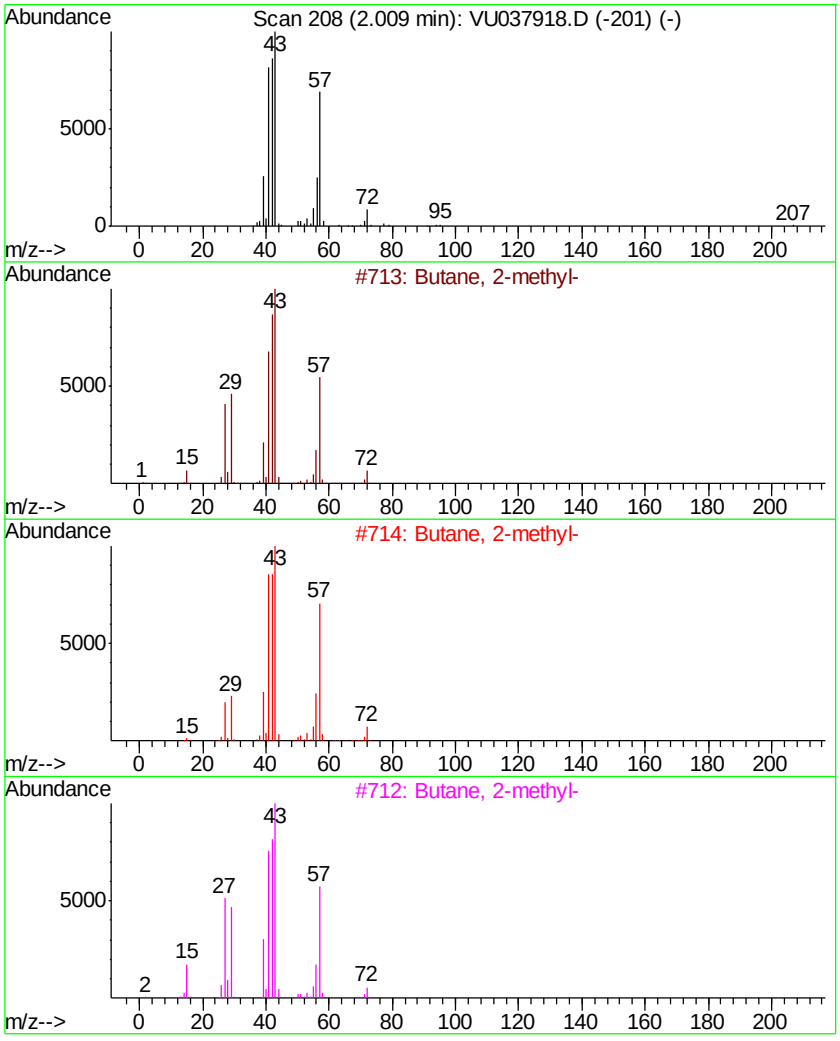
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

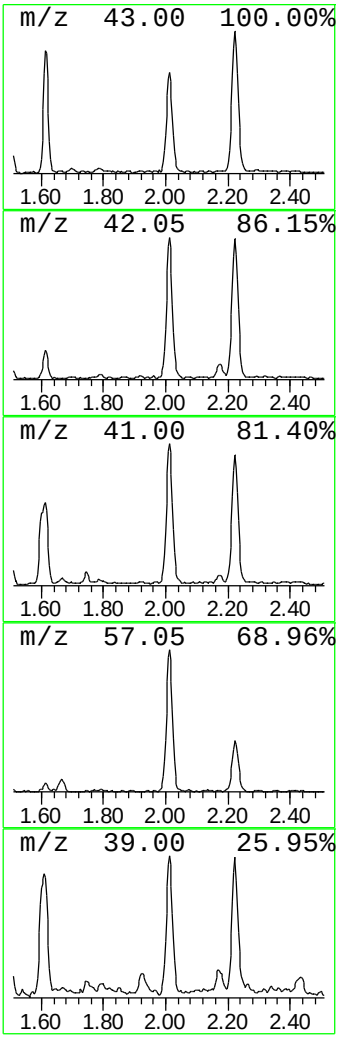
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	3.95 ug/L	135148	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Isobutylene epoxide	72	C4H8O	000558-30-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037918.D
Acq On : 29 Apr 2020 17:44
Operator : JC/MD
Sample : L2410-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBFF4

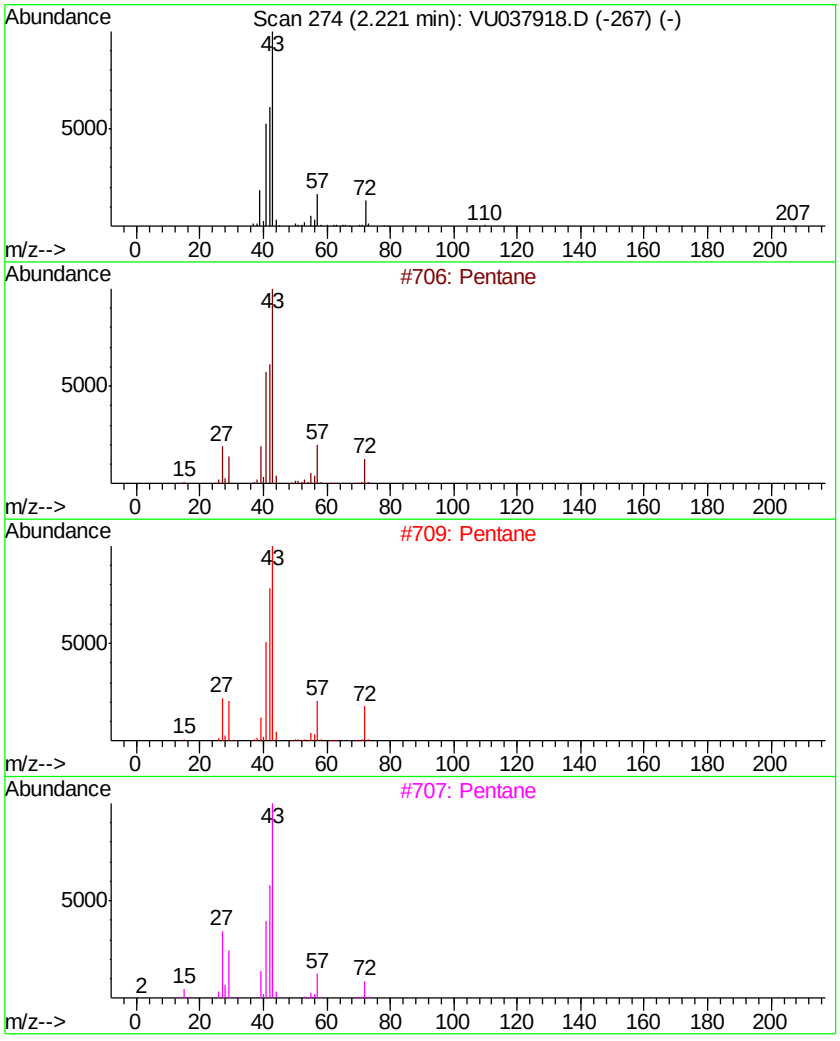
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

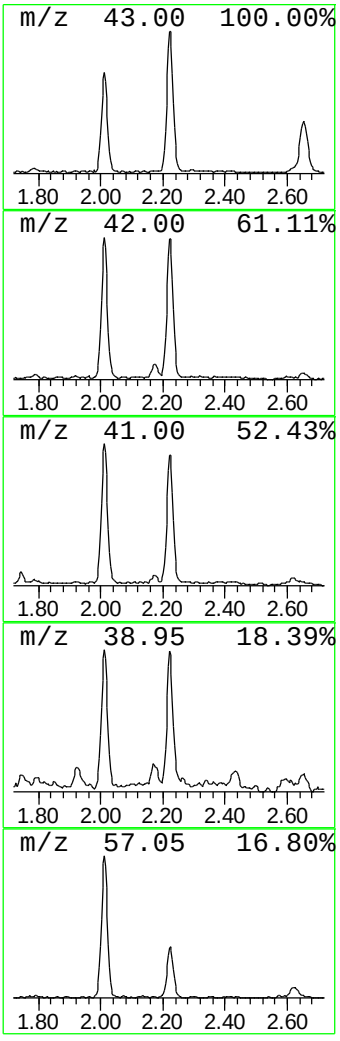
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	3.70 ug/L	126867	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	90
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042920\
Data File : VU037918.D
Acq On : 29 Apr 2020 17:44
Operator : JC/MD
Sample : L2410-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBFF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

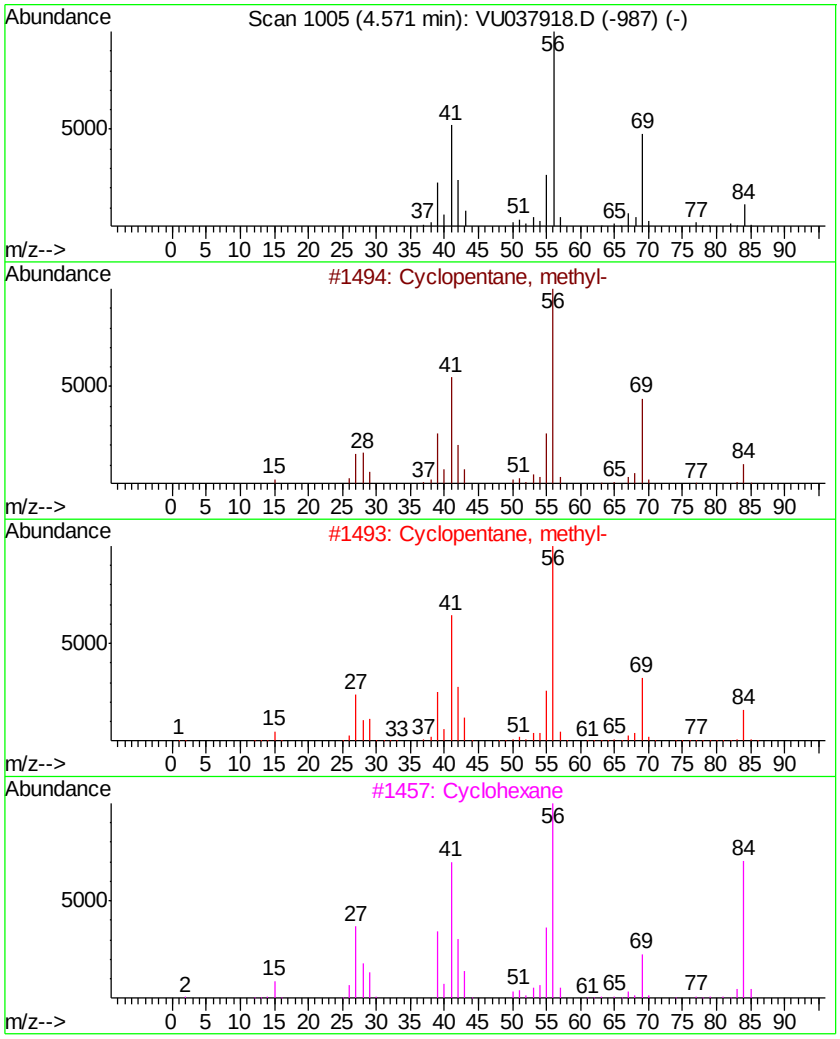
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

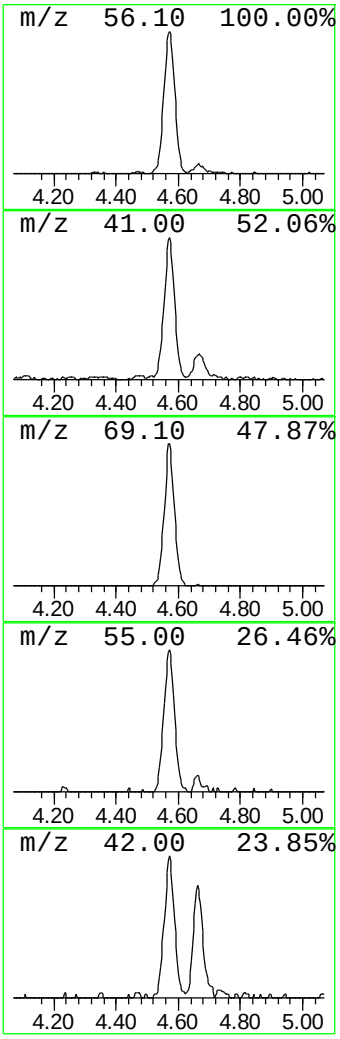
****

Peak Number 3 (DEL) Alkane: Cyclic4.57 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	4.34 ug/L	148714	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclohexane	84	C6H12	000110-82-7	86
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
5	Cyclohexane	84	C6H12	000110-82-7	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042920\
Data File : VU037918.D
Acq On : 29 Apr 2020 17:44
Operator : JC/MD
Sample : L2410-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBFF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.01	4.0	ug/L	135148	1	6.28	1712420	50.0
(DEL) Alkane: Str...	2.22	3.7	ug/L	126867	1	6.28	1712420	50.0
(DEL) Alkane: Cyc...	4.57	4.3	ug/L	148714	1	6.28	1712420	50.0