LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100720\
Data File : VU040543.D
Acq On : 07 Oct 2020 14:14
Operator : SY/MD
Sample : L4153-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

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\SFAMUL100620WMA.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	1.485	41	45	52	rVB	4039	4059	0.20%	0.018%
2	1.607	74	83	99	rBV2	397755	477179	23.41%	2.078%
3	1.797	137	142	150	rBV	12045	15273	0.75%	0.067%
4	1.932	170	184	200	rVB2	288471	521993	25.61%	2.274%
5	2.584	371	387	401	rBV4	700965	1413126	69.32%	6.155%
6	2.649	401	407	423	rVV	24364	42147	2.07%	0.184%
7	2.758	433	441	447	rVB5	880	1369	0.07%	0.006%
8	2.790	447	451	453	rBV	408	287	0.01%	0.001%
9	2.871	473	476	479	rBV2	528	361	0.02%	0.002%
10	2.929	491	494	495	rBV	526	291	0.01%	0.001%
11	3.060	526	535	548	rVB6	2405	4384	0.22%	0.019%
12	3.121	548	554	558	rVB2	441	388	0.02%	0.002%
13	3.202	564	579	594	rBV2	12214	28470	1.40%	0.124%
14	3.366	611	630	657	rBV	439792	864606	42.42%	3.766%
15	3.462	657	660	665	rVB3	433	328	0.02%	0.001%
16	3.533	678	682	686	rBV2	359	326	0.02%	0.001%
17	3.591	696	700	705	rBV2	289	286	0.01%	0.001%
18	3.713	720	738	758	rBV	562265	1232796	60.48%	5.370%
19	3.890	791	793	797	rVV2	475	313	0.02%	0.001%
20	3.986	821	823	826	rVV2	379	286	0.01%	0.001%
21	4.002	826	828	831	rVV	341	290	0.01%	0.001%
22	4.099	853	858	865	rBV2	252	321	0.02%	0.001%
23	4.141	865	871	873	rBV2	317	279	0.01%	0.001%
24	4.211	886	893	894	rBV	422	373	0.02%	0.002%
25	4.401	948	952	955	rBV2	265	266	0.01%	0.001%
26	4.424	955	959	962	rBV2	578	486	0.02%	0.002%
27	4.549	987	998	1007	rBV6	1971	4132	0.20%	0.018%
28	4.639	1011	1026	1046	rBV	133730	333528	16.36%	1.453%
29	5.080	1144	1163	1184	rBV	213848	475314	23.32%	2.070%
30	5.211	1198	1204	1205	rBV2	366	301	0.01%	0.001%
31	5.330	1224	1241	1252	rBV	230058	527858	25.90%	2.299%
32	5.401	1252	1263	1284	rVB	407180	912805	44.78%	3.976%
33	5.539	1289	1306	1325	rVB	132027	284359	13.95%	1.239%
34	5.613	1325	1329	1332	rVB2	304	268	0.01%	0.001%

LSC Area Percent Report

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Operator : SY/MD
Sample : L4153-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

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\SFAMUL100620WMA.M
Title : VOC Analysis

35	5.739	1344	1368	1376	rBV2	451204	1219156	59.81%	5.310%
36	5.935	1426	1429	1433	rVB2	431	343	0.02%	0.001%
37	5.983	1440	1444	1448	rVB3	421	352	0.02%	0.002%
38	6.057	1465	1467	1472	rVB2	544	363	0.02%	0.002%
39	6.125	1472	1488	1509	rBV	437555	849558	41.68%	3.700%
40	6.260	1515	1530	1548	rBV	385977	716806	35.16%	3.122%
41	6.395	1568	1572	1574	rBV2	533	441	0.02%	0.002%
42	6.462	1591	1593	1600	rVB2	412	260	0.01%	0.001%
43	6.552	1605	1621	1639	rVB2	131304	248609	12.20%	1.083%
44	6.700	1652	1667	1685	rBV	283782	549784	26.97%	2.395%
45	6.764	1685	1687	1689	rVV2	477	299	0.01%	0.001%
46	6.777	1689	1691	1696	rVB4	856	698	0.03%	0.003%
47	6.932	1732	1739	1745	rBV3	944	1571	0.08%	0.007%
48	7.115	1781	1796	1813	rVV	379746	697002	34.19%	3.036%
49	7.192	1816	1820	1827	rVB7	2035	2636	0.13%	0.011%
50	7.575	1925	1939	1955	rBV	153437	272030	13.35%	1.185%
51	7.690	1969	1975	1978	rBV5	600	588	0.03%	0.003%
52	7.800	1993	2009	2029	rBV	596669	1081393	53.05%	4.710%
53	7.903	2029	2041	2058	rVB	556657	954212	46.81%	4.156%
54	8.054	2087	2088	2094	rVB2	397	293	0.01%	0.001%
55	8.186	2117	2129	2148	rBV	119759	198815	9.75%	0.866%
56	8.324	2168	2172	2176	rBV2	443	382	0.02%	0.002%
57	8.414	2189	2200	2208	rVB3	3607	6083	0.30%	0.026%
58	8.555	2231	2244	2258	rBV	679426	1145124	56.18%	4.988%
59	8.639	2258	2270	2295	rVB	418520	730557	35.84%	3.182%
60	8.813	2317	2324	2333	rVB7	2993	4508	0.22%	0.020%
61	8.867	2337	2341	2343	rBV	465	308	0.02%	0.001%
62	8.925	2351	2359	2363	rBV5	1047	1467	0.07%	0.006%
63	9.169	2430	2435	2438	rBV2	428	492	0.02%	0.002%
64	9.317	2468	2481	2499	rBV	360443	587576	28.83%	2.559%
65	9.420	2499	2513	2516	rBV	564092	841903	41.30%	3.667%
66	9.571	2547	2560	2576	rBV	734197	1148934	56.36%	5.004%
67	9.697	2591	2599	2607	rBV5	3583	5018	0.25%	0.022%
68	10.002	2686	2694	2698	rVB3	315	399	0.02%	0.002%
69	10.182	2744	2750	2753	rBV2	297	305	0.01%	0.001%
70	10.230	2761	2765	2769	rBV2	276	256	0.01%	0.001%
71	10.555	2865	2866	2873	rVB2	454	322	0.02%	0.001%

LSC Area Percent Report

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Sample : L4153-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Title : VOC Analysis

72	10.603	2873	2881	2882	rBV2	369	423	0.02%	0.002%
73	10.761	2916	2930	2931	rBV	430948	553221	27.14%	2.410%
74	10.886	2962	2969	2971	rBV3	604	532	0.03%	0.002%
75	10.986	2994	3000	3001	rBV2	458	439	0.02%	0.002%
76	11.095	3029	3034	3035	rBV2	624	509	0.02%	0.002%
77	11.269	3085	3088	3095	rVB2	288	274	0.01%	0.001%
78	11.317	3100	3103	3107	rVB2	415	340	0.02%	0.001%
79	11.349	3107	3113	3117	rBV2	373	393	0.02%	0.002%
80	11.468	3145	3150	3156	rVB4	425	499	0.02%	0.002%
81	11.523	3164	3167	3170	rBV	346	276	0.01%	0.001%
82	11.690	3215	3219	3223	rVB3	477	408	0.02%	0.002%
83	11.742	3223	3235	3245	rBV	218572	338909	16.63%	1.476%
84	11.809	3245	3256	3273	rVB	556495	885789	43.45%	3.858%
85	11.928	3289	3293	3298	rVB6	643	690	0.03%	0.003%
86	12.005	3313	3317	3324	rVB4	916	1007	0.05%	0.004%
87	12.092	3340	3344	3347	rBV3	397	402	0.02%	0.002%
88	12.201	3358	3378	3397	rBV2	869445	2038421	100.00%	8.879%
89	12.320	3411	3415	3424	rVB3	1703	1617	0.08%	0.007%
90	12.517	3472	3476	3482	rBV2	387	386	0.02%	0.002%
91	12.681	3523	3527	3534	rBV2	420	597	0.03%	0.003%
92	12.931	3602	3605	3611	rVB3	372	334	0.02%	0.001%
93	12.989	3611	3623	3638	rBV2	444960	712534	34.96%	3.104%
94	13.243	3699	3702	3709	rBV2	533	572	0.03%	0.002%
95	13.590	3805	3810	3815	rVB3	492	536	0.03%	0.002%
96	13.671	3832	3835	3838	rBV2	343	256	0.01%	0.001%
97	13.832	3882	3885	3890	rVB3	672	600	0.03%	0.003%
98	14.073	3957	3960	3962	rBV2	514	345	0.02%	0.002%
99	14.147	3978	3983	3984	rBV2	484	354	0.02%	0.002%
100	14.459	4076	4080	4082	rBV	416	364	0.02%	0.002%

Sum of corrected areas: 22958718

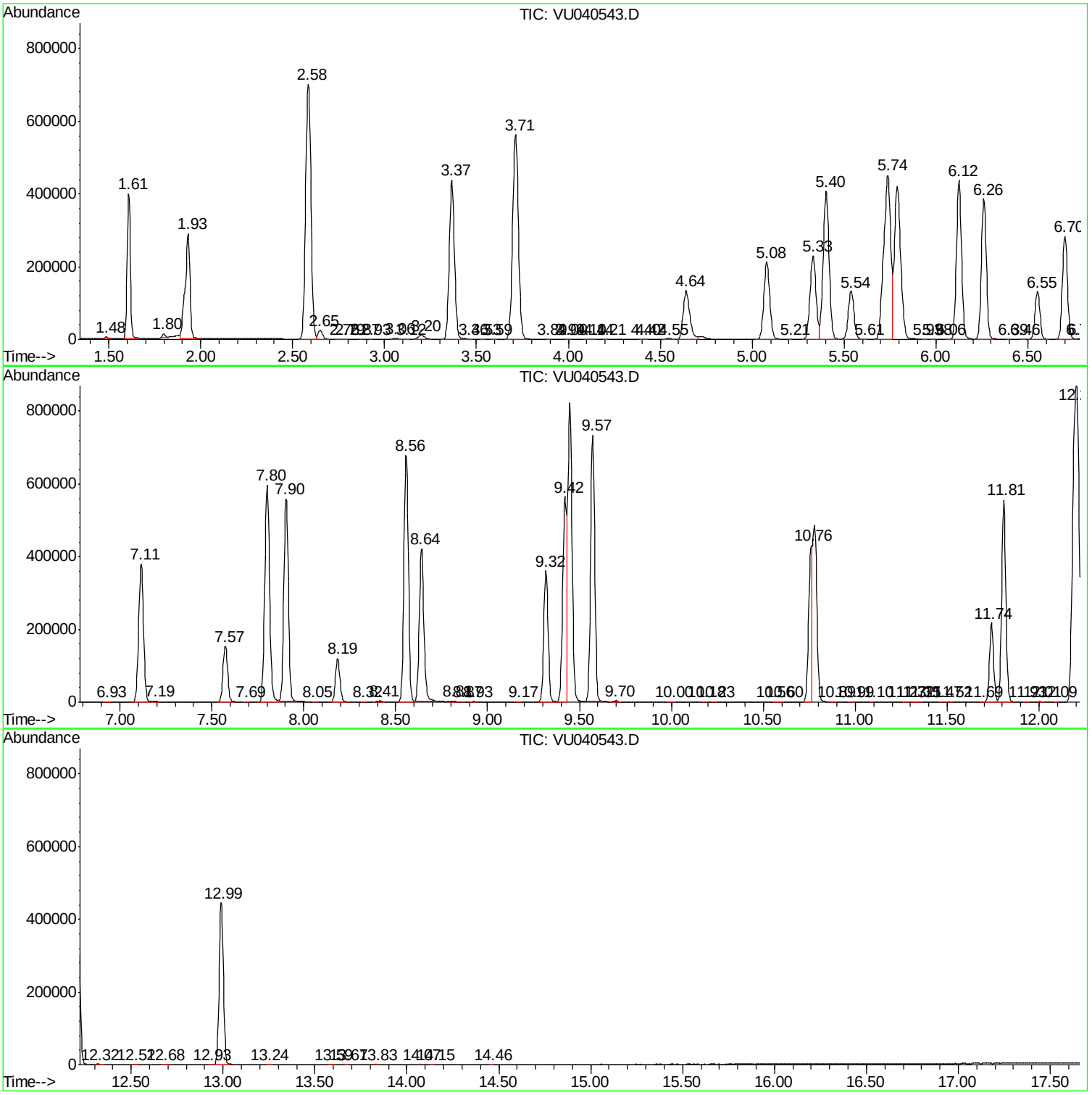
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100720\
Data File : VU040543.D
Acq On : 07 Oct 2020 14:14
Operator : SY/MD
Sample : L4153-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100720\
Data File : VU040543.D
Acq On : 07 Oct 2020 14:14
Operator : SY/MD
Sample : L4153-01
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Instrument : MSVOA_U
ClientSampleId : X2N55

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis

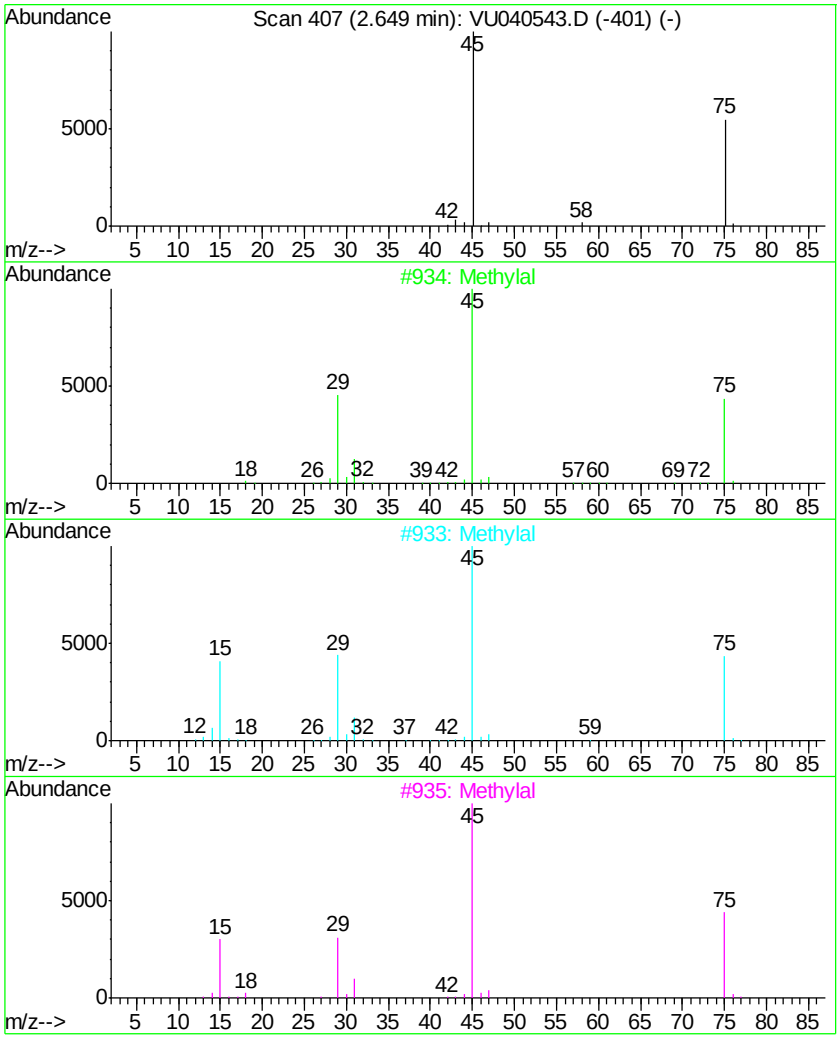
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

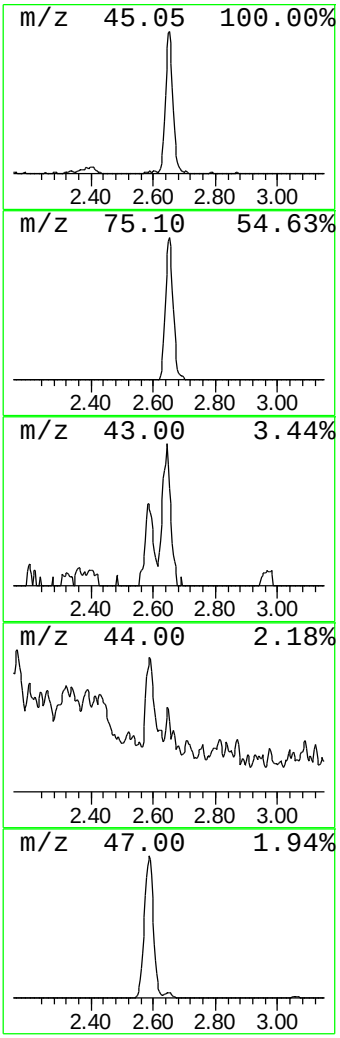
****

Peak Number 1 Methylal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.65	2.94 ug/L	42147	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	64
2	Methylal	76	C3H8O2	000109-87-5	9
3	Methylal	76	C3H8O2	000109-87-5	9
4	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	4
5	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100720\
Data File : VU040543.D
Acq On : 07 Oct 2020 14:14
Operator : SY/MD
Sample : L4153-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

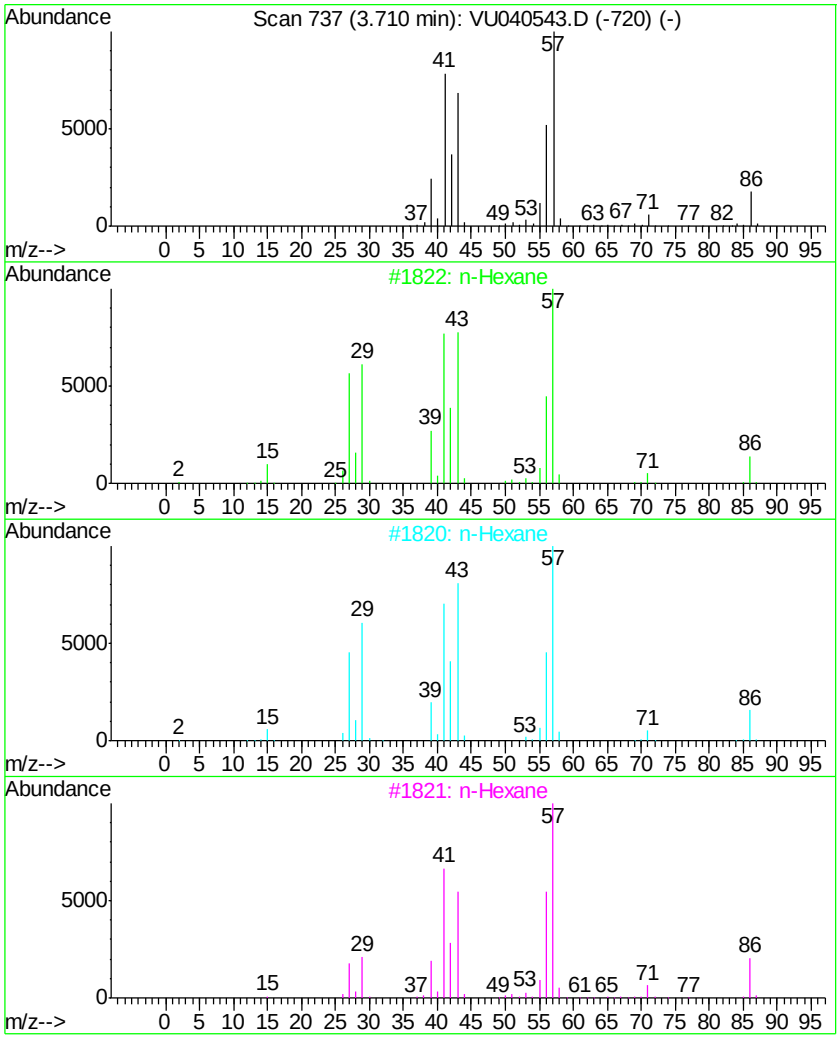
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis

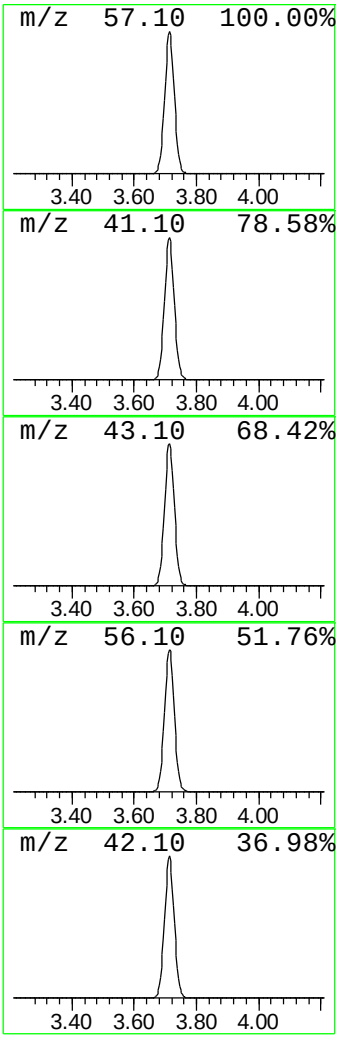
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	85.99 ug/L	1232800	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	87
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100720\
Data File : VU040543.D
Acq On : 07 Oct 2020 14:14
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ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis

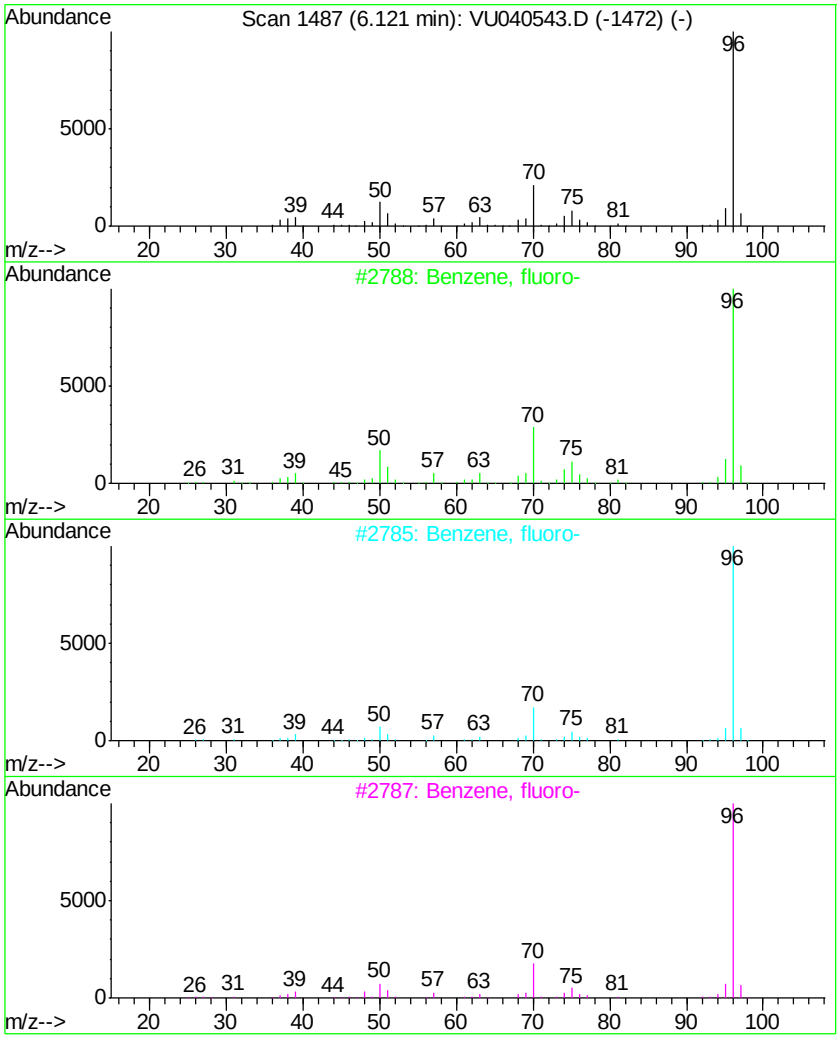
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

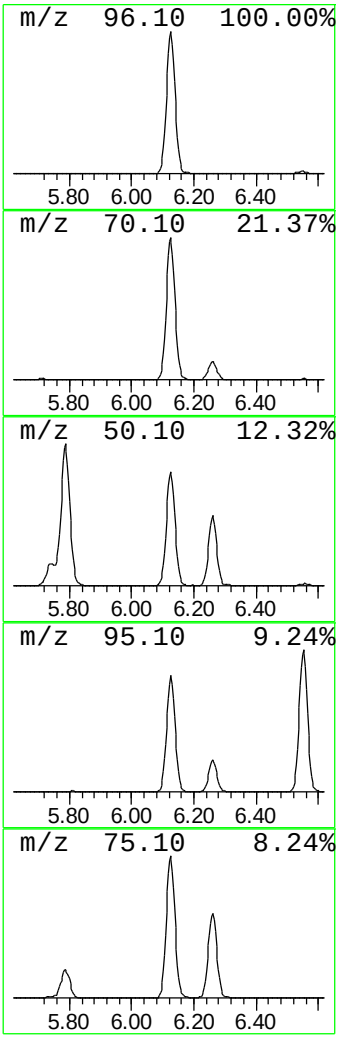
****

Peak Number 3 Benzene, fluoro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	59.26 ug/L	849558	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, fluoro-	96	C6H5F	000462-06-6	97
2	Benzene, fluoro-	96	C6H5F	000462-06-6	91
3	Benzene, fluoro-	96	C6H5F	000462-06-6	91
4	Benzene, fluoro-	96	C6H5F	000462-06-6	91
5	2,4-Dimethylfuran	96	C6H8O	003710-43-8	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100720\
Data File : VU040543.D
Acq On : 07 Oct 2020 14:14
Operator : SY/MD
Sample : L4153-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis

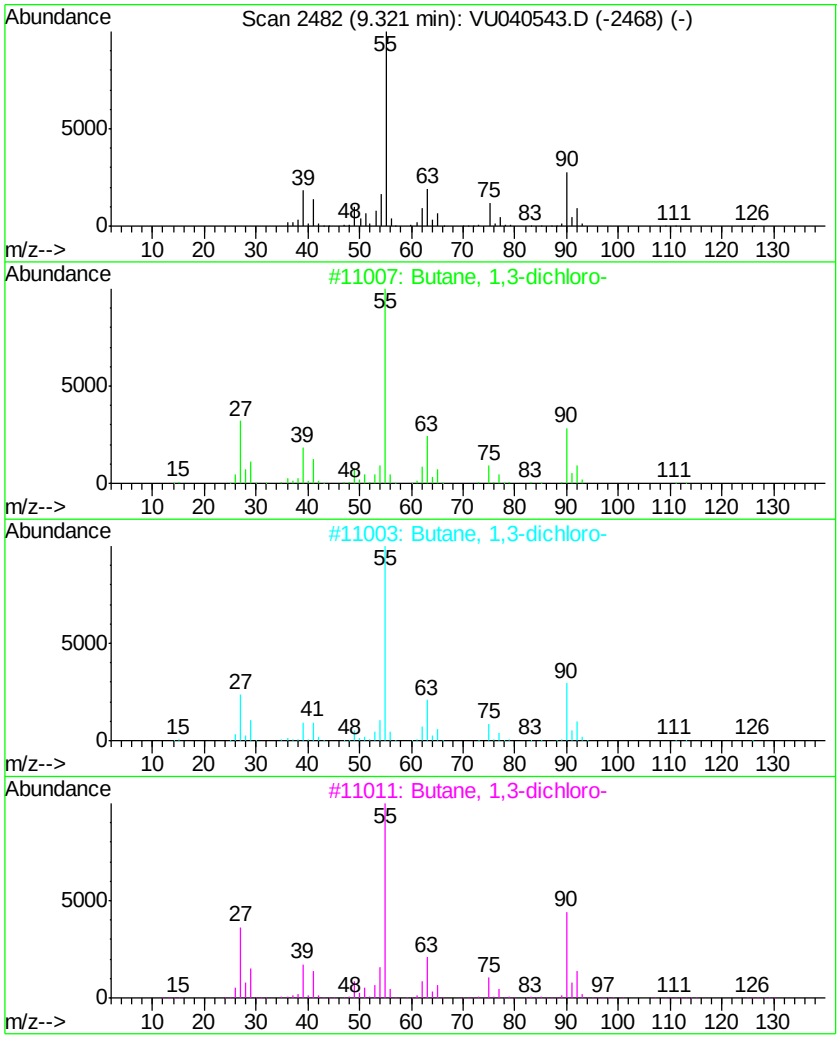
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

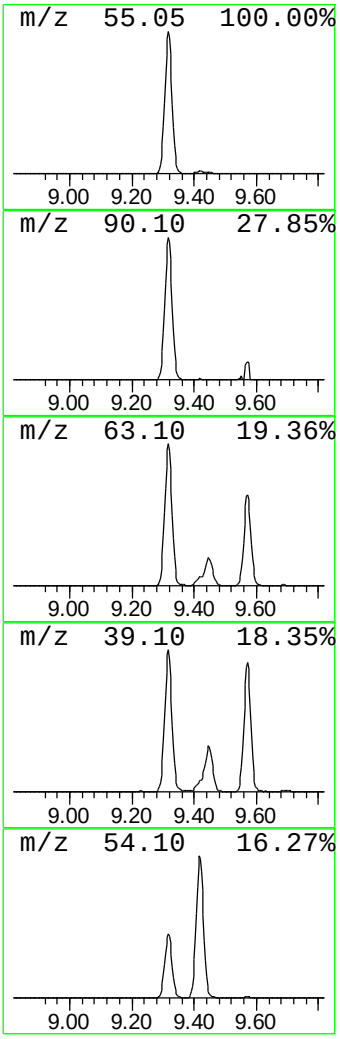
****

Peak Number 5 Butane, 1,3-dichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	34.90 ug/L	587576	Chlorobenzene-d5	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,3-dichloro-	126	C4H8Cl2	001190-22-3	90
2	Butane, 1,3-dichloro-	126	C4H8Cl2	001190-22-3	83
3	Butane, 1,3-dichloro-	126	C4H8Cl2	001190-22-3	78
4	2-Butene, 1-chloro-	90	C4H7Cl	000591-97-9	68
5	2-Butene, 1-chloro-	90	C4H7Cl	000591-97-9	64





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Data File : VU040543.D
Acq On : 07 Oct 2020 14:14
Operator : SY/MD
Sample : L4153-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis

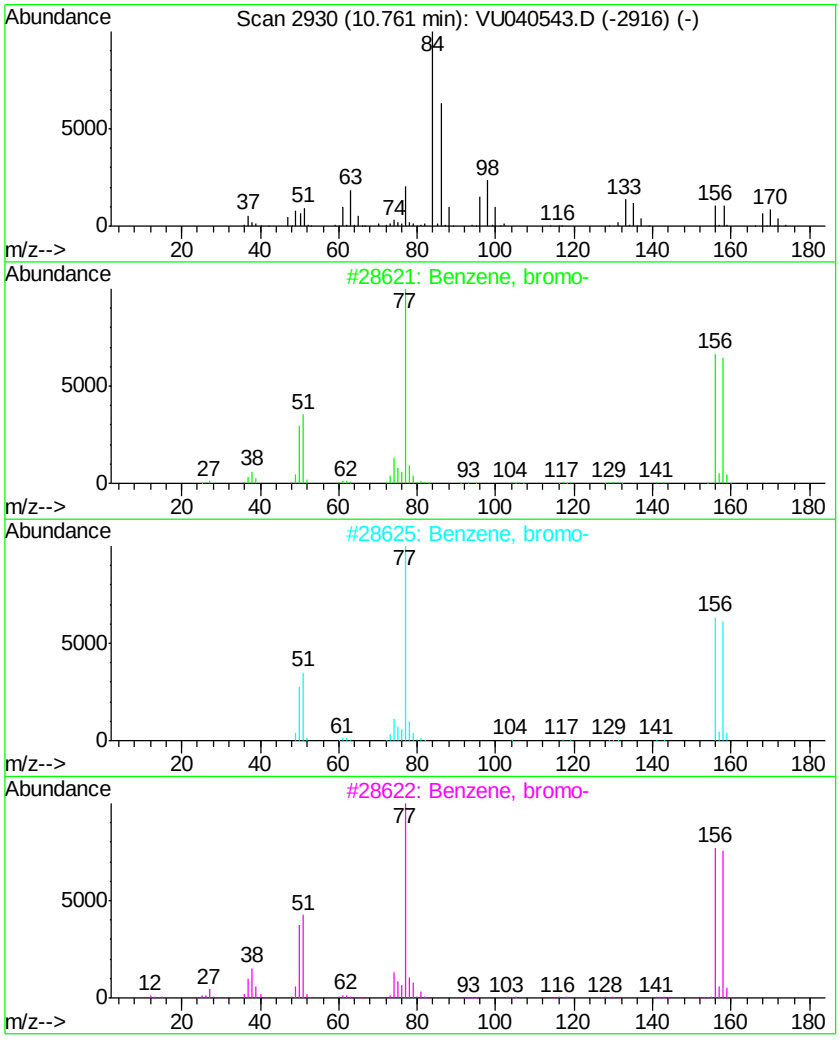
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

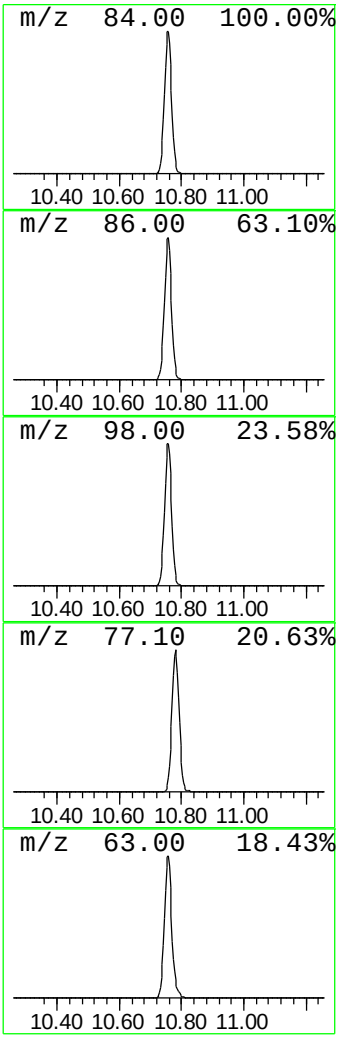
****

Peak Number 6 Benzene, bromo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	31.23 ug/L	553221	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	97
2	Benzene, bromo-	156	C6H5Br	000108-86-1	96
3	Benzene, bromo-	156	C6H5Br	000108-86-1	94
4	Benzene, bromo-	156	C6H5Br	000108-86-1	94
5	Benzene, bromo-	156	C6H5Br	000108-86-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100720\
Data File : VU040543.D
Acq On : 07 Oct 2020 14:14
Operator : SY/MD
Sample : L4153-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2N55

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.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
Methylal	2.65	2.9	ug/L	42147	1	6.26	716806	50.0
(DEL) Alkane: Str...	3.71	86.0	ug/L	1232800	1	6.26	716806	50.0
Benzene, fluoro-	6.12	59.3	ug/L	849558	1	6.26	716806	50.0
Butane, 1,3-dichl...	9.32	34.9	ug/L	587576	2	9.42	841903	50.0
Benzene, bromo-	10.76	31.2	ug/L	553221	3	11.81	885789	50.0