LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112119\
Data File : VV013705.D
Acq On : 21 Nov 2019 11:43
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR111519WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.226	37	42	46	rBV2	16135	14030	1.09%	0.092%
2	1.316	63	70	78	rVB	188816	183128	14.25%	1.196%
3	1.579	144	152	164	rBV	149453	168850	13.14%	1.103%
4	1.647	164	173	182	rBV	380431	456648	35.54%	2.982%
5	1.820	219	227	238	rBV	101857	129514	10.08%	0.846%
6	1.917	252	257	267	rVB2	27803	37864	2.95%	0.247%
7	1.994	276	281	288	rBV3	10683	14012	1.09%	0.091%
8	2.042	290	296	302	rVB2	23018	28732	2.24%	0.188%
9	2.126	313	322	345	rVB	277863	459243	35.74%	2.999%
10	2.524	434	446	449	rBV5	34854	60548	4.71%	0.395%
11	2.602	463	470	486	rVB4	37632	74783	5.82%	0.488%
12	2.788	514	528	541	rBV3	39780	80360	6.25%	0.525%
13	3.071	608	616	627	rVB4	11628	17645	1.37%	0.115%
14	3.306	683	689	701	rVB5	12212	22865	1.78%	0.149%
15	3.402	709	719	730	rVB7	9850	20344	1.58%	0.133%
16	3.483	730	744	756	rBV7	10093	28142	2.19%	0.184%
17	3.624	778	788	800	rVB9	10250	24067	1.87%	0.157%
18	3.804	828	844	861	rBV4	57556	152298	11.85%	0.994%
19	3.949	877	889	919	rBV2	73931	273382	21.27%	1.785%
20	4.393	1011	1027	1052	rBV2	194322	519432	40.42%	3.392%
21	4.717	1113	1128	1141	rBV4	30758	76877	5.98%	0.502%
22	5.090	1226	1244	1276	rBV2	441341	1163001	90.50%	7.594%
23	5.656	1407	1420	1453	rBV	487102	1011217	78.69%	6.603%
24	5.942	1505	1509	1521	rVB8	8526	13164	1.02%	0.086%
25	6.110	1547	1561	1591	rBV	244956	537985	41.87%	3.513%
26	6.839	1777	1788	1801	rVB7	8985	19509	1.52%	0.127%
27	7.023	1832	1845	1862	rBV	114860	214450	16.69%	1.400%
28	7.354	1935	1948	1961	rBV	519782	898759	69.94%	5.868%
29	7.425	1961	1970	1985	rVB	224606	392684	30.56%	2.564%
30	7.659	2033	2043	2060	rBV2	71053	124489	9.69%	0.813%
31	8.138	2180	2192	2236	rBV2	291906	892368	69.44%	5.827%
32	8.891	2411	2426	2447	rBV	739448	1211460	94.28%	7.910%
33	9.052	2462	2476	2492	rBV	251723	407864	31.74%	2.663%
34	9.174	2500	2514	2539	rBV	777193	1285015	100.00%	8.390%

LSC Area Percent Report

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ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR111519WMA.M
Title : TRACE VOA SOM01.0

35	9.582	2629	2641	2653	rBV	182065	294218	22.90%	1.921%
36	9.974	2751	2763	2773	rVB3	18660	33686	2.62%	0.220%
37	10.254	2840	2850	2868	rBV2	166376	272804	21.23%	1.781%
38	10.392	2881	2893	2911	rBV	50794	97458	7.58%	0.636%
39	10.486	2911	2922	2940	rVV	157764	351178	27.33%	2.293%
40	10.579	2942	2951	2960	rVB	76597	115661	9.00%	0.755%
41	10.778	3003	3013	3034	rBV	68155	119305	9.28%	0.779%
42	10.955	3056	3068	3082	rBV	296315	464760	36.17%	3.035%
43	11.289	3160	3172	3190	rBV	777899	1227985	95.56%	8.018%
44	11.376	3190	3199	3211	rVB	67623	109547	8.52%	0.715%
45	11.569	3247	3259	3270	rBV2	53997	101537	7.90%	0.663%
46	11.666	3278	3289	3309	rVB	548436	888509	69.14%	5.801%
47	11.955	3369	3379	3383	rBV4	12301	19615	1.53%	0.128%
48	12.058	3402	3411	3418	rBV2	15705	27620	2.15%	0.180%
49	12.158	3435	3442	3454	rVB3	16359	27080	2.11%	0.177%
50	12.457	3524	3535	3542	rBV2	12194	20337	1.58%	0.133%
51	12.505	3542	3550	3561	rVB3	18719	30435	2.37%	0.199%
52	12.765	3621	3631	3640	rBV5	11681	19058	1.48%	0.124%
53	12.926	3667	3681	3694	rBV4	25320	45174	3.52%	0.295%
54	13.550	3864	3875	3890	rBV2	17581	34466	2.68%	0.225%

Sum of corrected areas: 15315162

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Data File : VV013705.D
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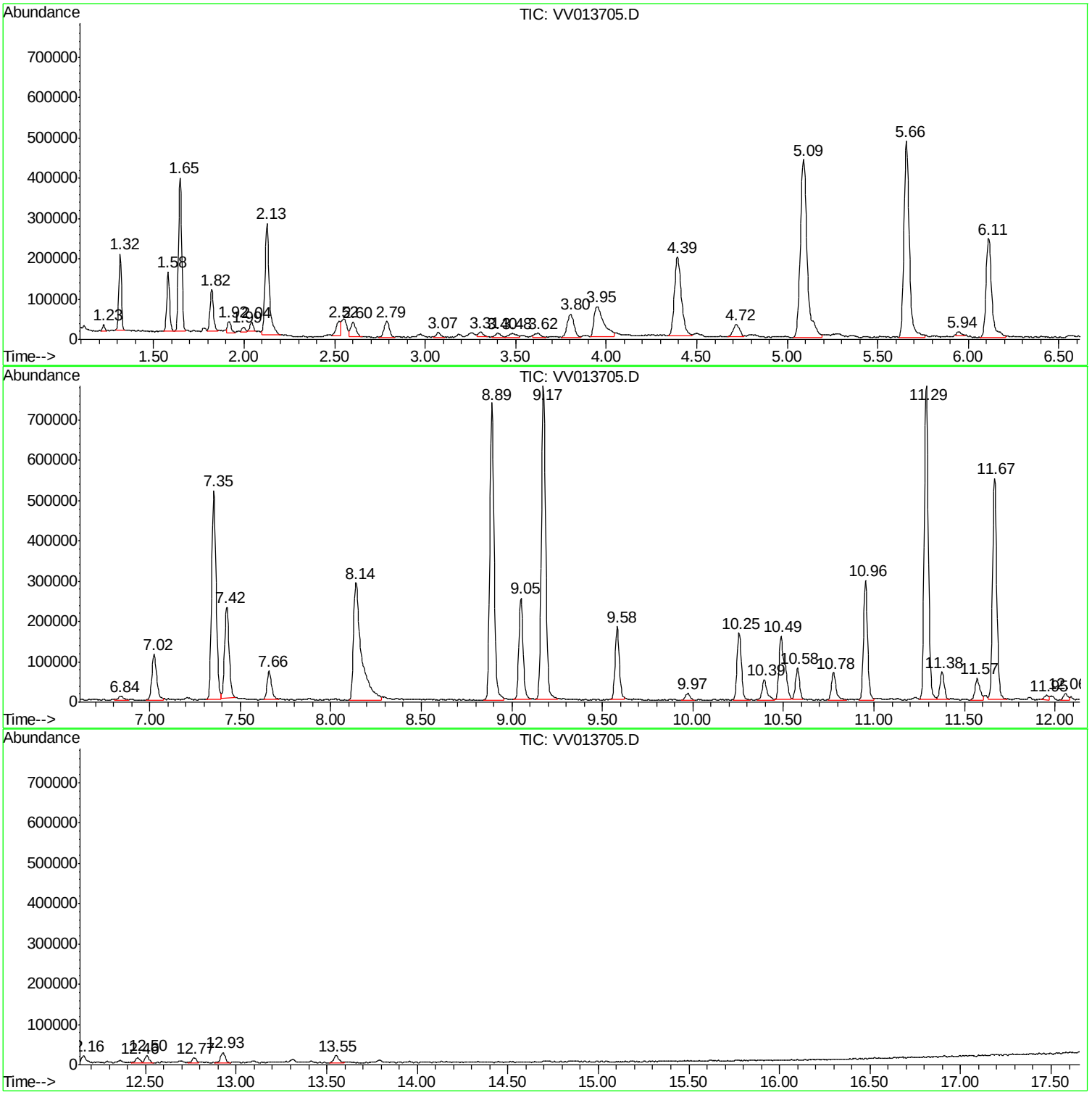
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

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Data File : VV013705.D
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Quant Title : TRACE VOA SOM01.0

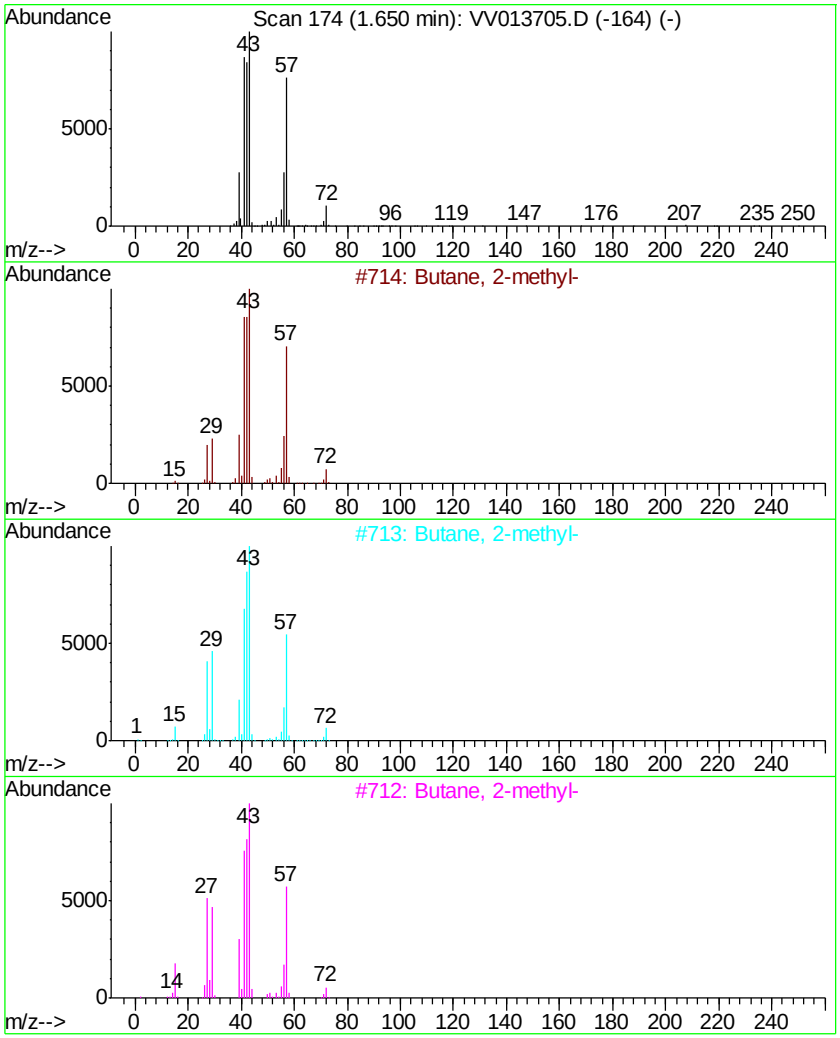
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

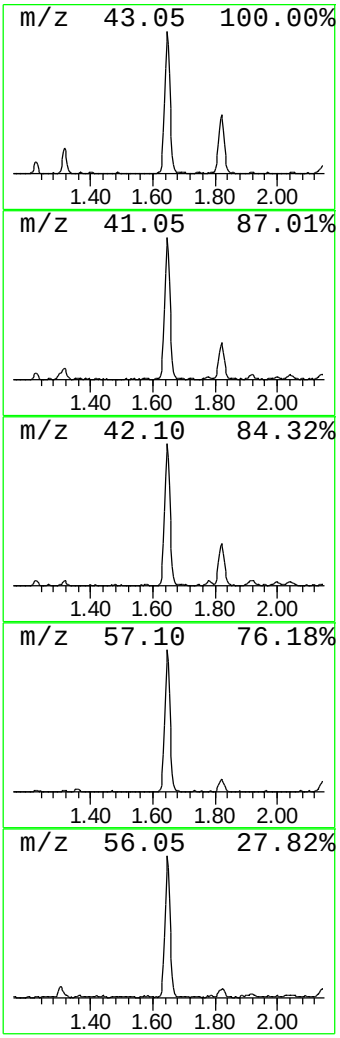
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	2.26 ug/L	456648	1,4-Difluorobenzene	5.66

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	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Pentane	72	C5H12	000109-66-0	28





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Acq On : 21 Nov 2019 11:43
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

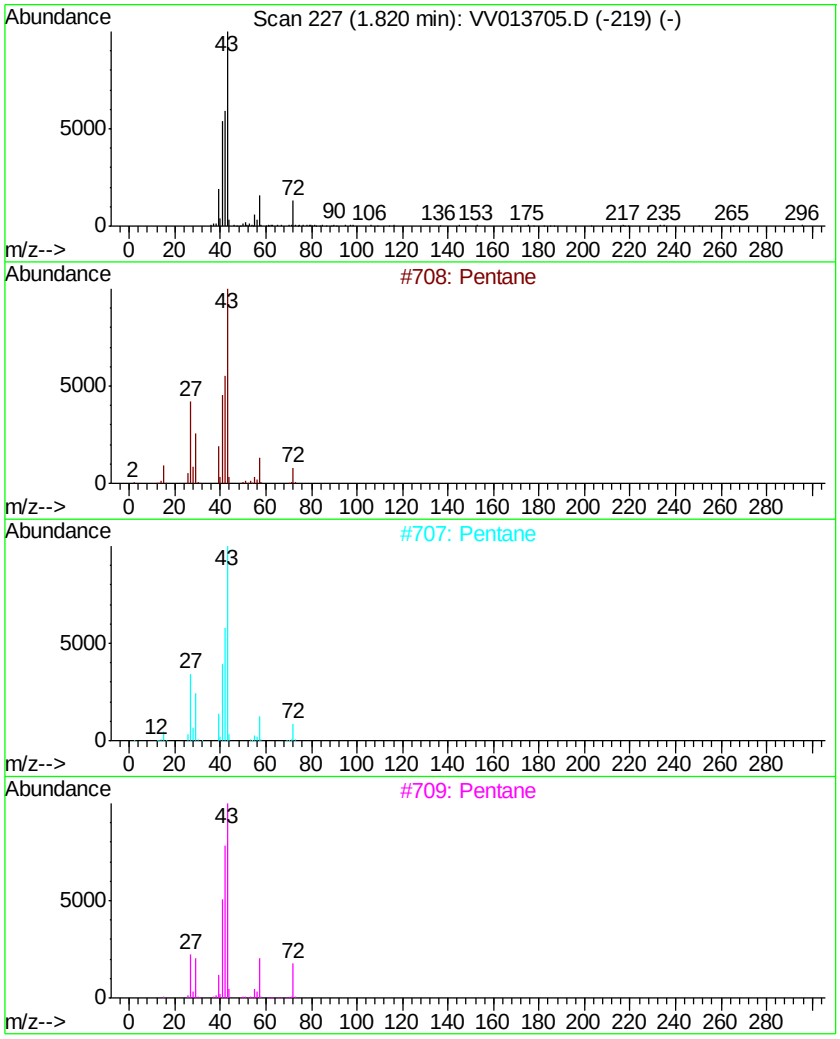
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

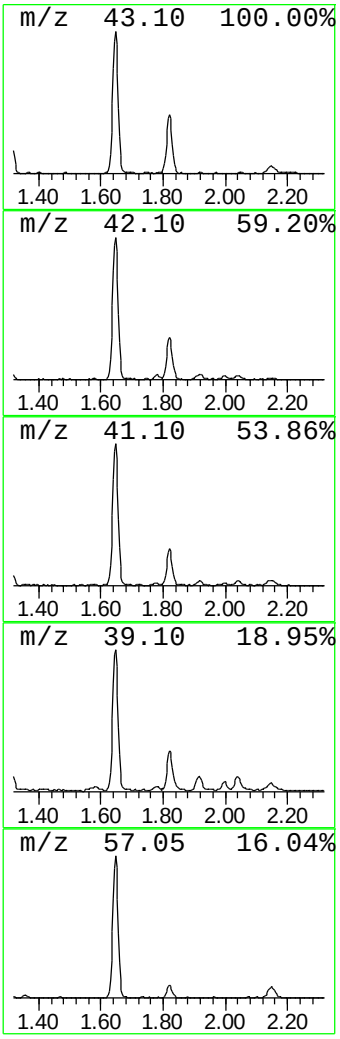
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	0.64 ug/L	129514	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	64
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	47





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Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

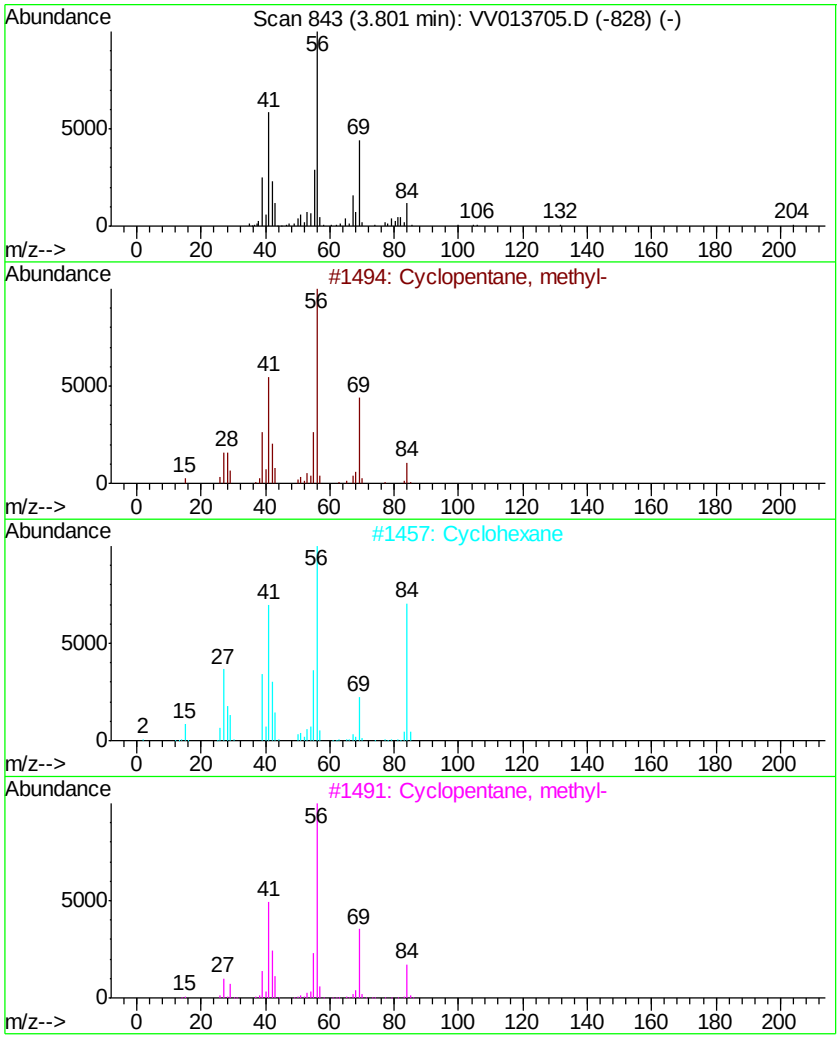
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

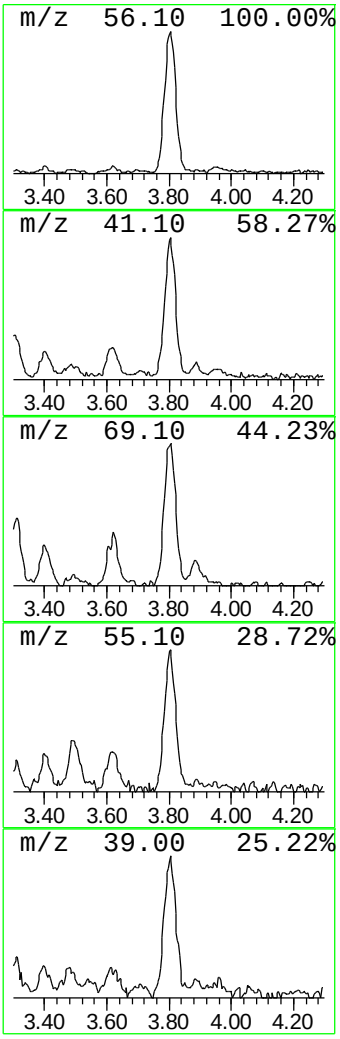
****

Peak Number 3 (DEL) Alkane: Cyclic3.80 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	0.75 ug/L	152298	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2	Cyclohexane	84	C6H12	000110-82-7	74
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72





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ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

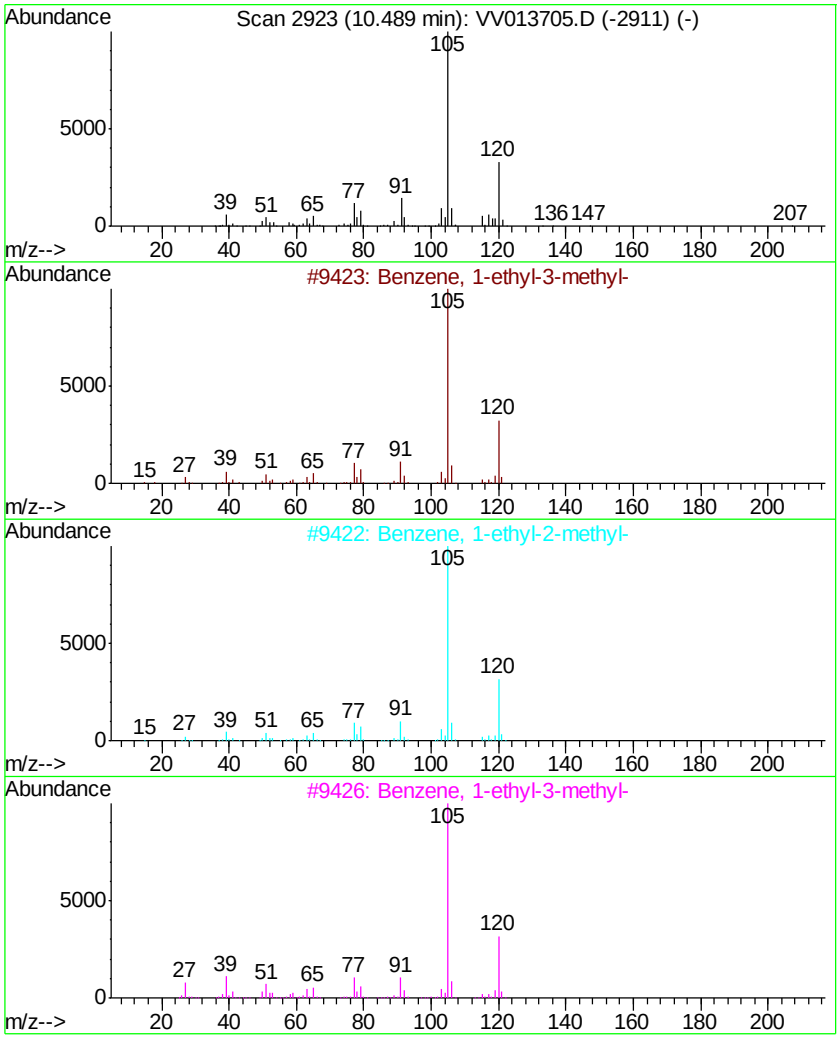
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

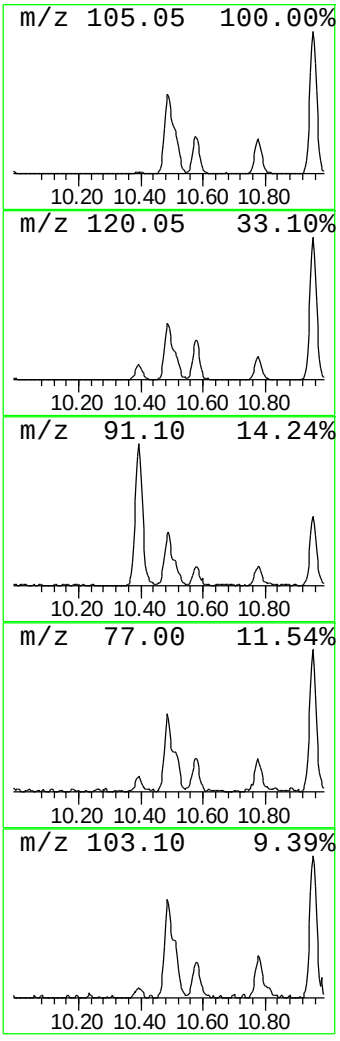
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	1.43 ug/L	351178	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





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ClientSampleId : GAQK4DL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

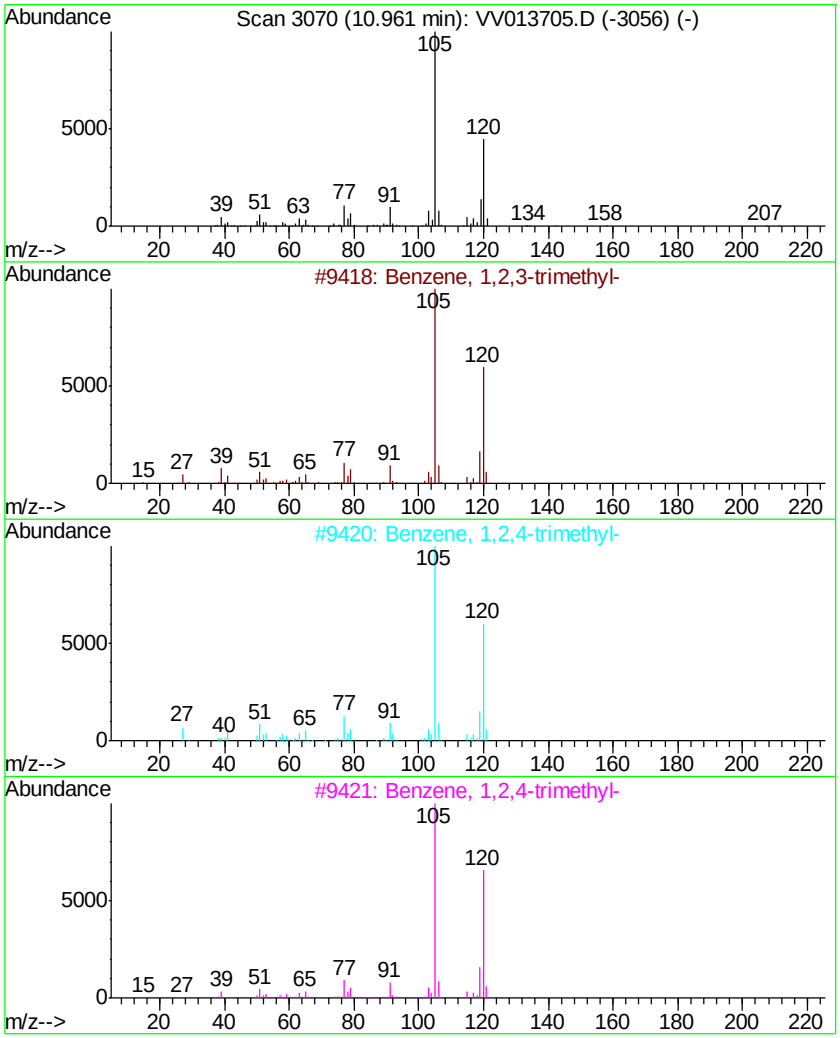
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

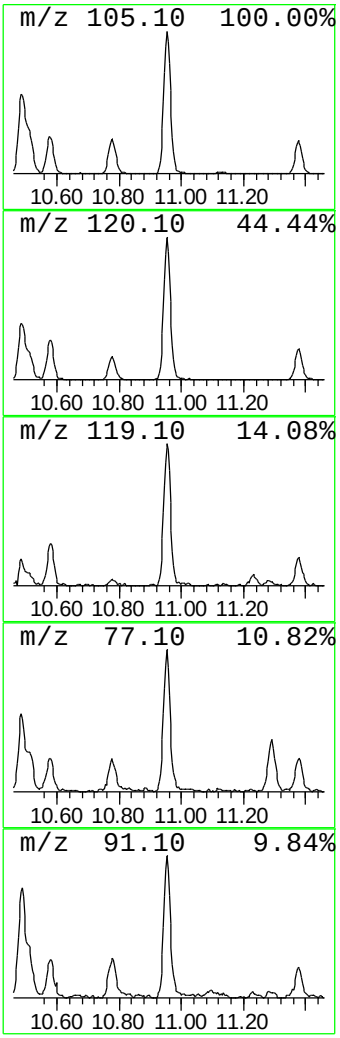
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	1.89 ug/L	464760	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Tentatively Identified Compound (LSC) summary

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Quant Title : TRACE VOA SOM01.0

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...	1.65	2.3	ug/L	456648	1	5.66	1011220	5.0
(DEL) Alkane: Str...	1.82	0.6	ug/L	129514	1	5.66	1011220	5.0
(DEL) Alkane: Cyc...	3.80	0.8	ug/L	152298	1	5.66	1011220	5.0
Benzene, 1-ethyl-...	10.49	1.4	ug/L	351178	3	11.29	1227990	5.0
Benzene, 1,2,3-tr...	10.96	1.9	ug/L	464760	3	11.29	1227990	5.0