LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

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_U\METHOD\SOMUTR100820WMA.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	1.607	74	83	99	rVB	87874	97467	1.06%	0.326%
2	2.581	374	386	405	rBV	138136	235329	2.57%	0.786%
3	3.102	518	548	567	rBV	1192387	2761347	30.10%	9.225%
4	3.382	615	635	662	rBV	2036227	4505384	49.11%	15.052%
5	3.720	720	740	765	rBV	4144564	9173244	100.00%	30.646%
6	4.318	910	926	948	rBV3	44902	133607	1.46%	0.446%
7	4.552	980	999	1019	rVV	2561180	6134371	66.87%	20.494%
8	4.658	1019	1032	1080	rVB	87908	352269	3.84%	1.177%
9	5.083	1148	1164	1183	rBV	112068	244128	2.66%	0.816%
10	5.408	1249	1265	1282	rVB2	159595	357604	3.90%	1.195%
11	5.742	1345	1369	1391	rBV2	227652	593353	6.47%	1.982%
12	6.263	1516	1531	1553	rBV	192760	361422	3.94%	1.207%
13	6.703	1653	1668	1683	rBV	143762	276339	3.01%	0.923%
14	7.575	1925	1939	1955	rBV	72809	129584	1.41%	0.433%
15	7.906	2029	2042	2055	rBV	264134	450798	4.91%	1.506%
16	8.642	2257	2271	2306	rBV	409461	778091	8.48%	2.599%
17	9.420	2499	2513	2538	rBV	267666	456420	4.98%	1.525%
18	10.755	2916	2928	2943	rBV	114312	183783	2.00%	0.614%
19	10.902	2962	2974	2990	rVB	117158	178506	1.95%	0.596%
20	10.996	2990	3003	3009	rBV	285274	501427	5.47%	1.675%
21	11.086	3021	3031	3049	rVB	211307	327580	3.57%	1.094%
22	11.465	3135	3149	3164	rBV	334617	508997	5.55%	1.700%
23	11.806	3243	3255	3271	rVB	293680	485185	5.29%	1.621%
24	12.185	3361	3373	3388	rVB	337444	557872	6.08%	1.864%
25	13.828	3873	3884	3901	rBV	90049	148553	1.62%	0.496%

Sum of corrected areas: 29932660

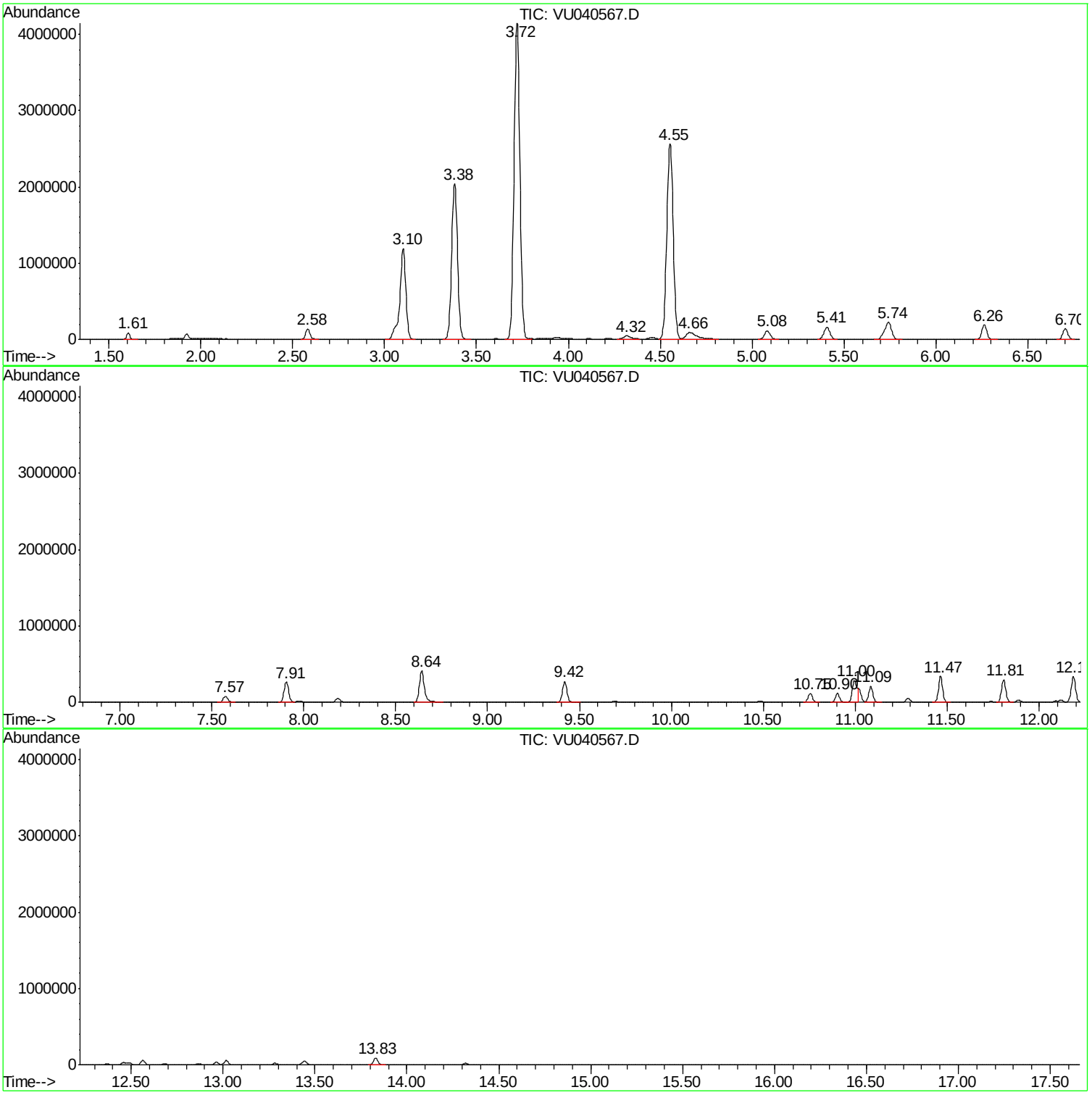
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

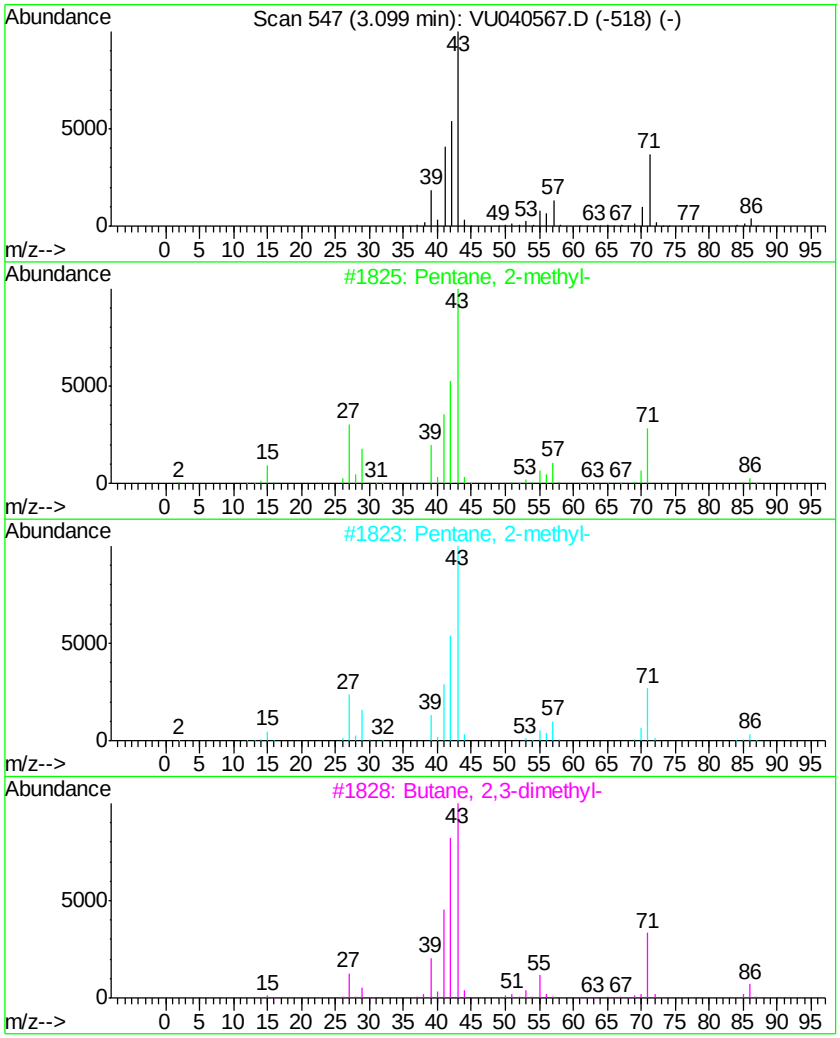
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

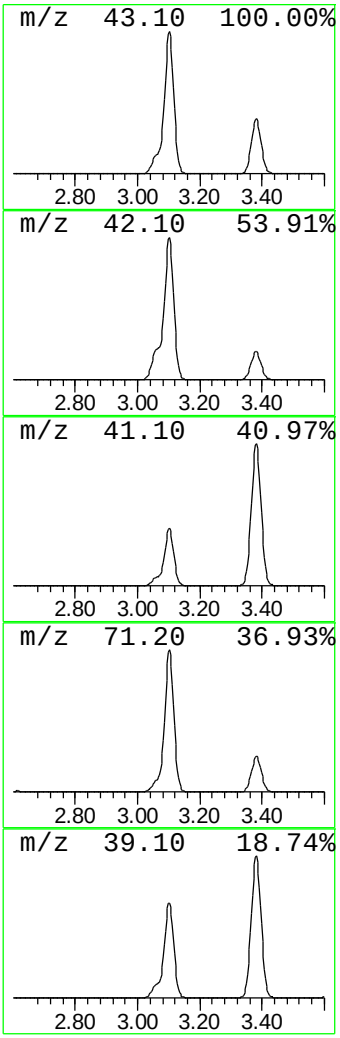
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	38.20 ug/L	2761350	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

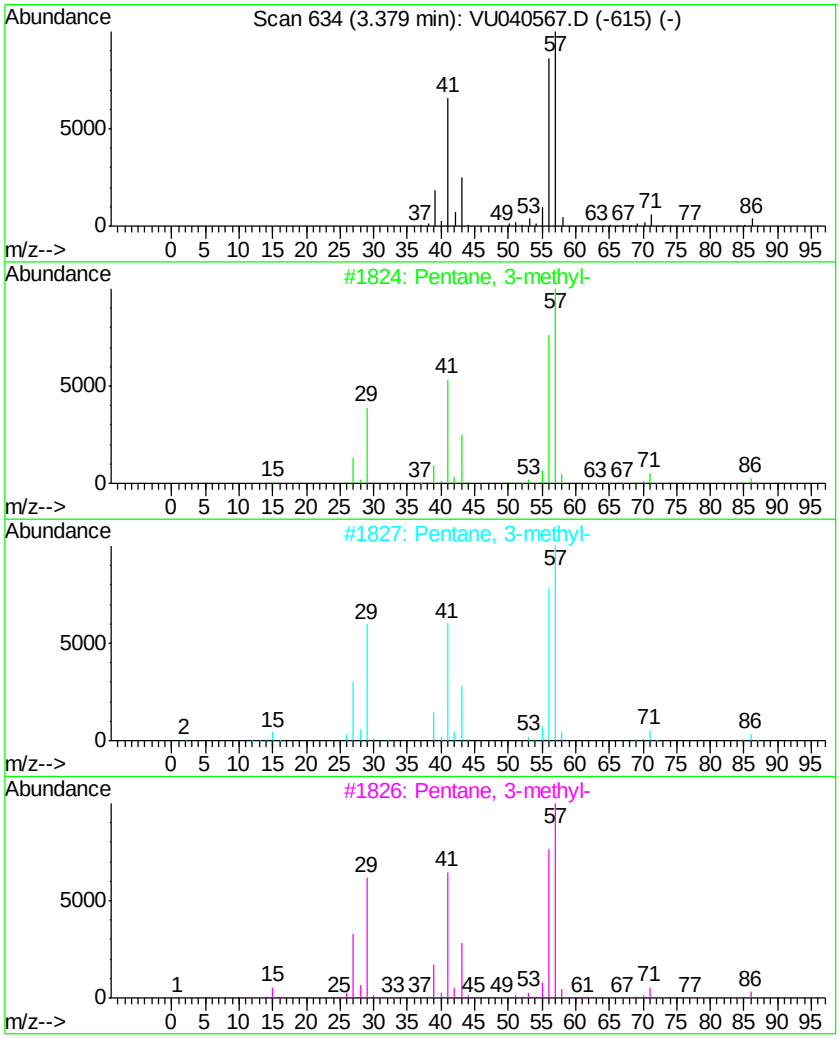
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

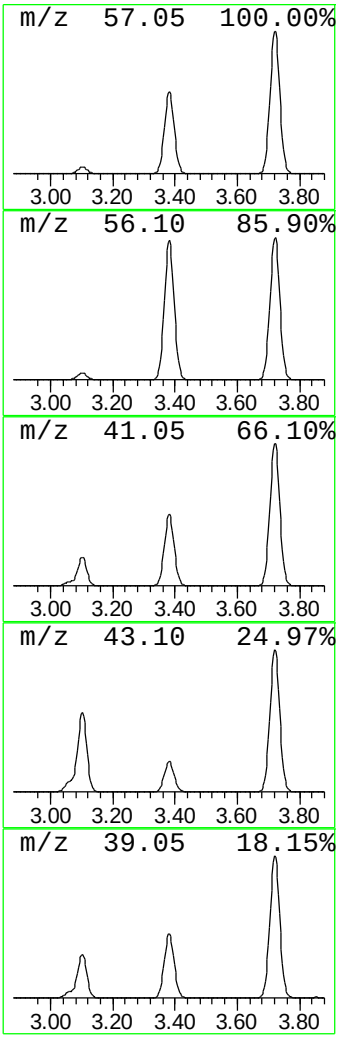
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.38	62.33 ug/L	4505380	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

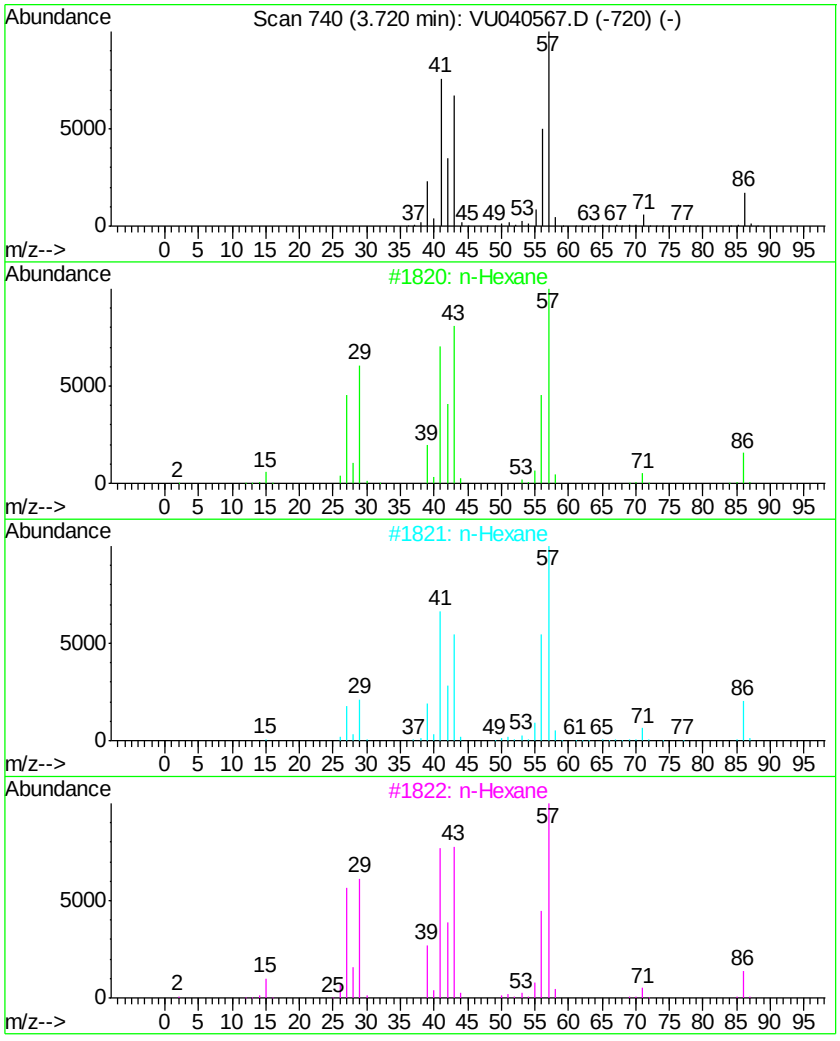
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

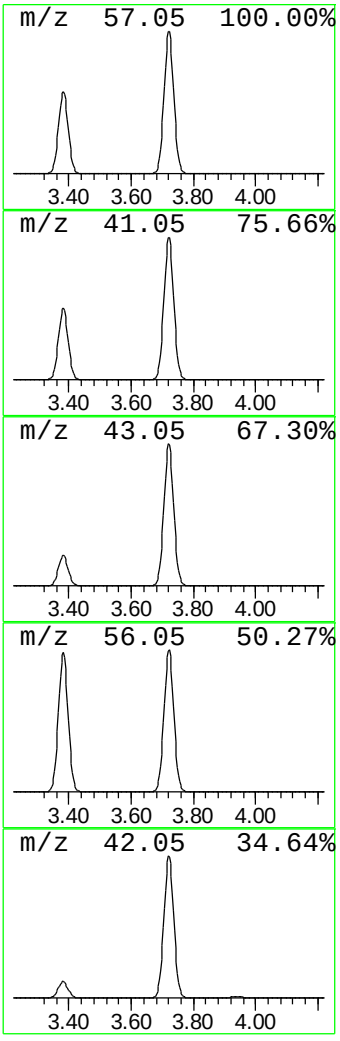
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	126.91 ug/L	9173240	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	91
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

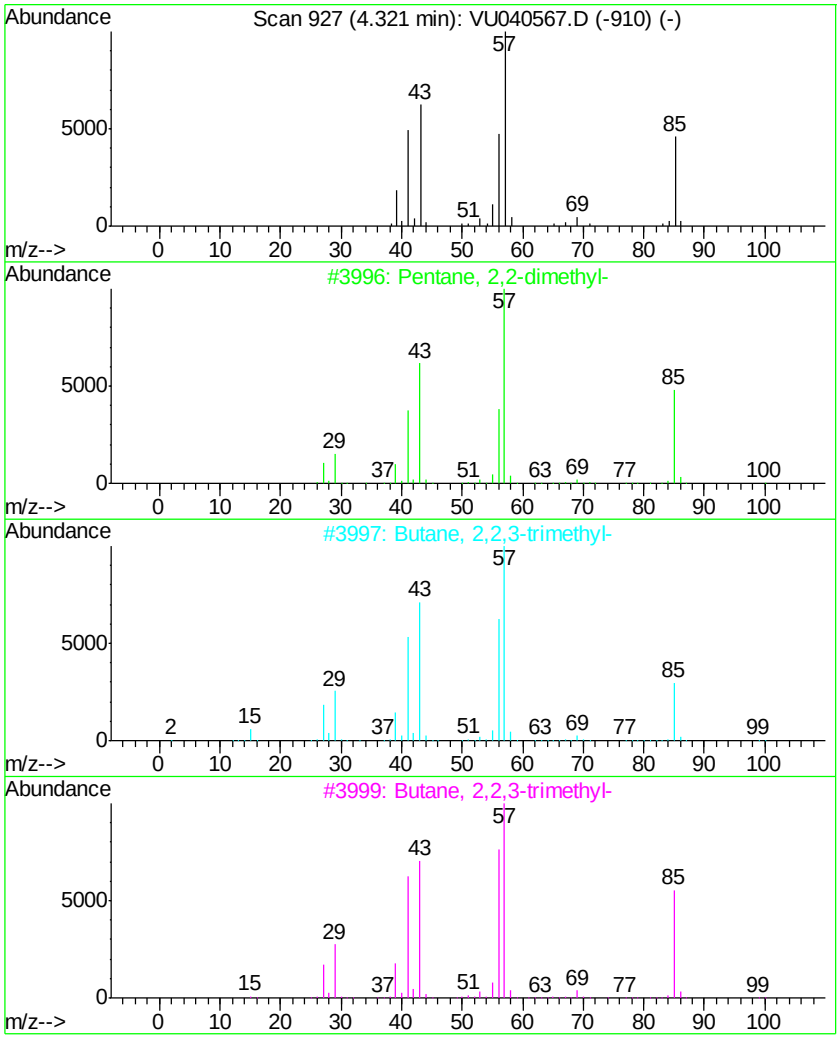
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

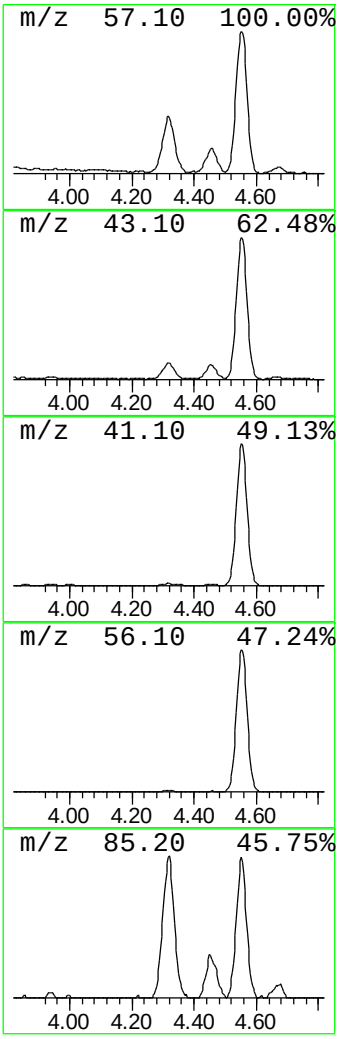
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.32	1.85 ug/L	133607	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

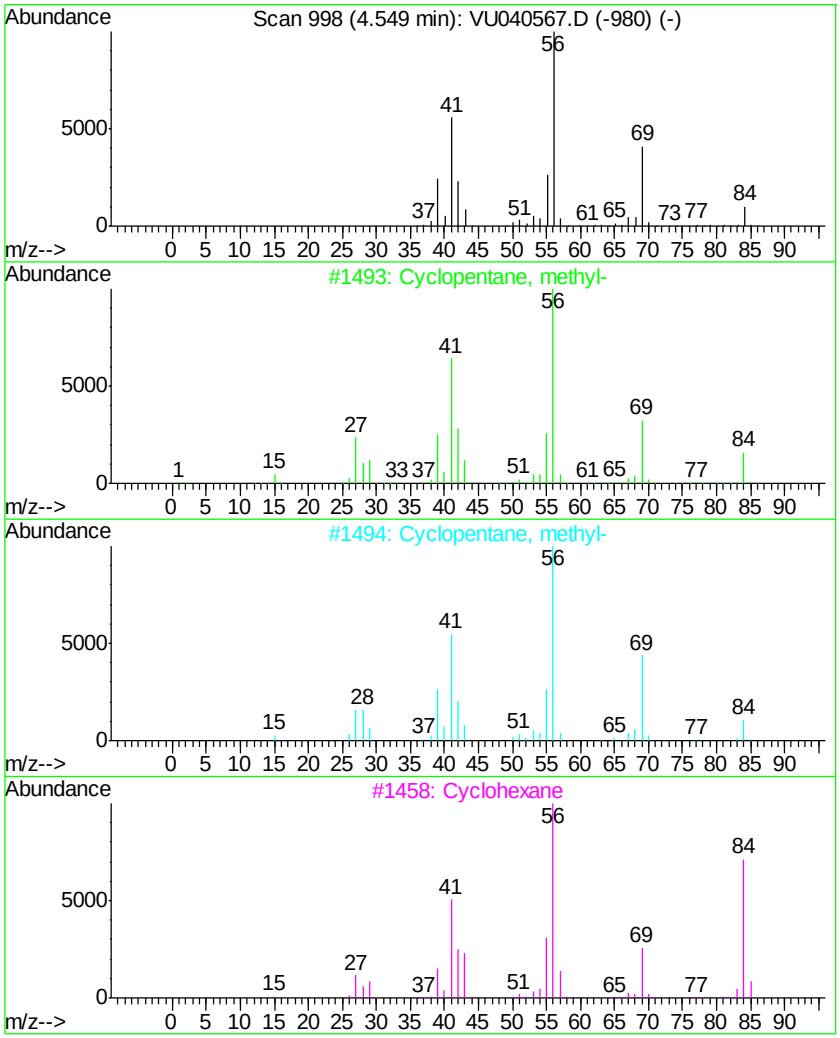
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

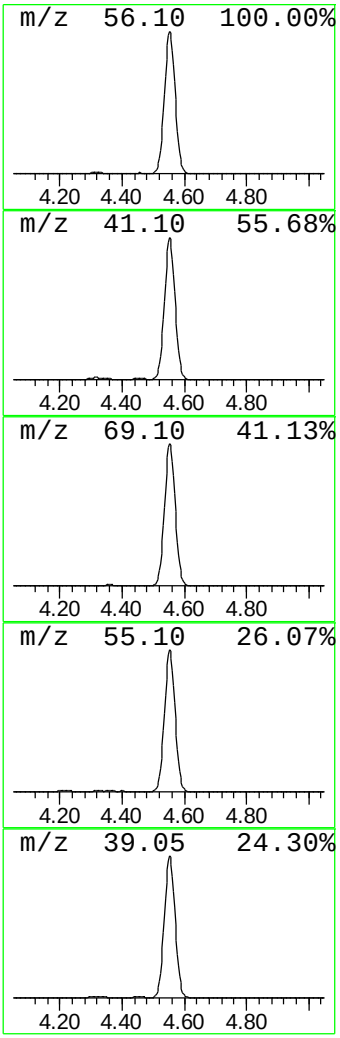
****

Peak Number 5 (DEL) Alkane: Cyclic4.55 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	84.86 ug/L	6134370	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

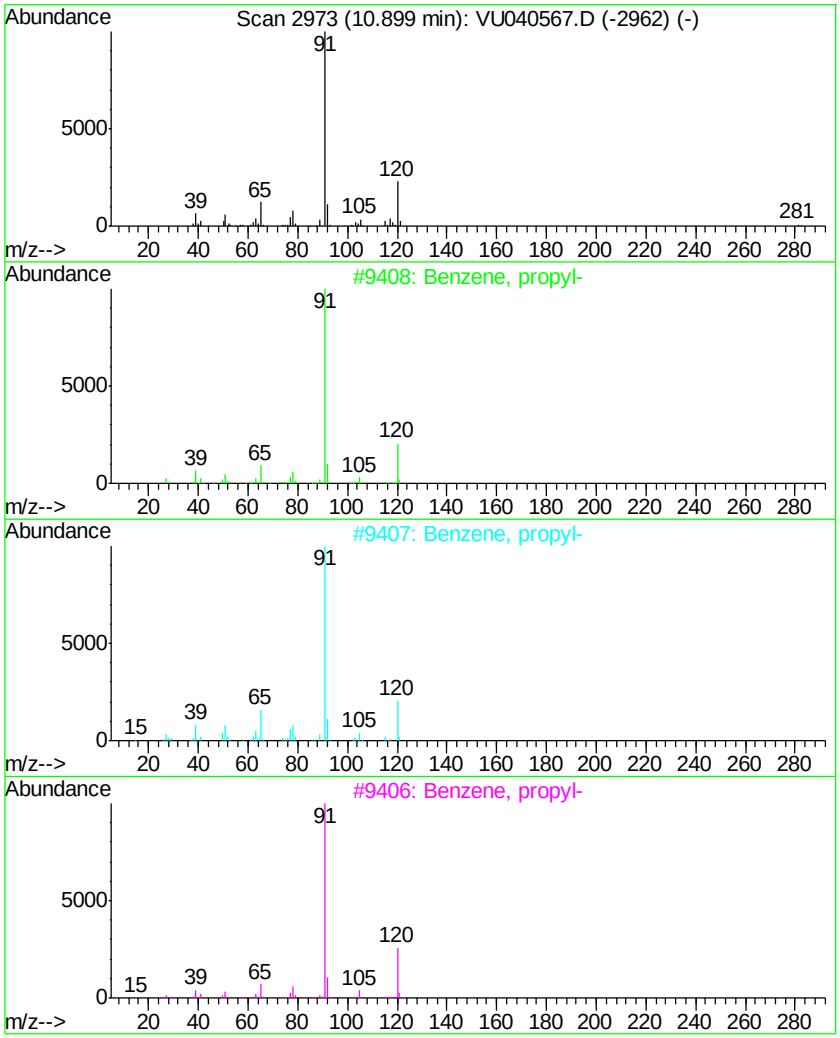
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

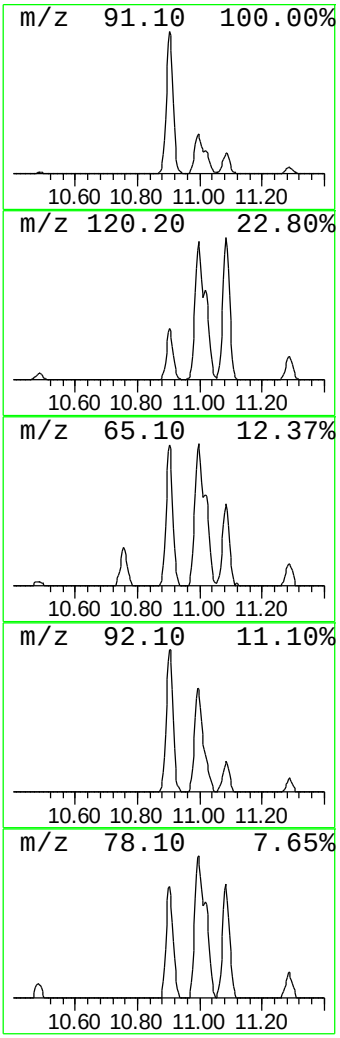
****

Peak Number 7 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	1.84 ug/L	178506	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	Benzene, propyl-	120	C9H12	000103-65-1	81
3	Benzene, propyl-	120	C9H12	000103-65-1	74
4	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72
5	N,N-Dibenzylethylenediamine diac...	324	C20H24N2O2	000122-75-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

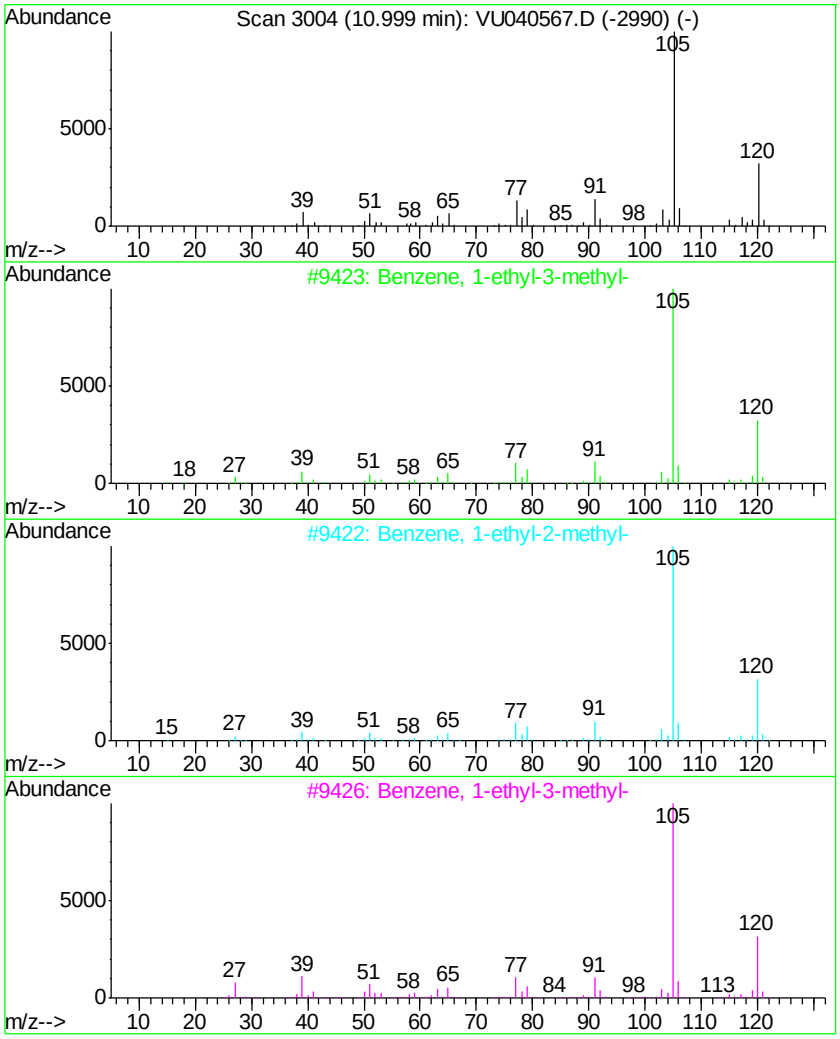
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

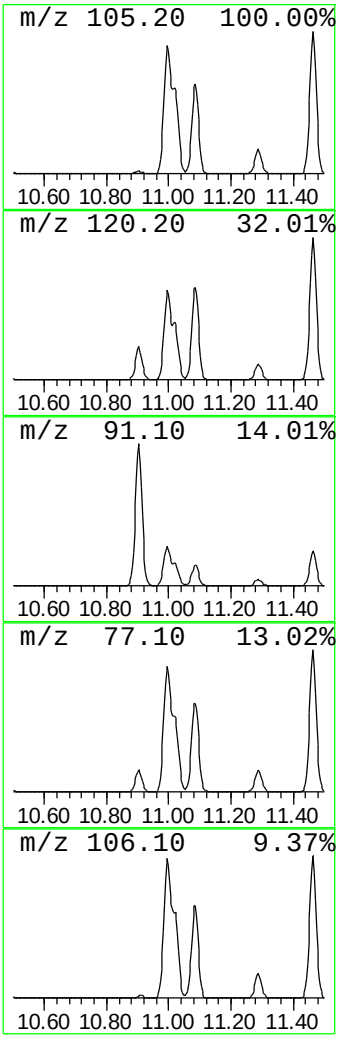
****

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	5.17 ug/L	501427	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

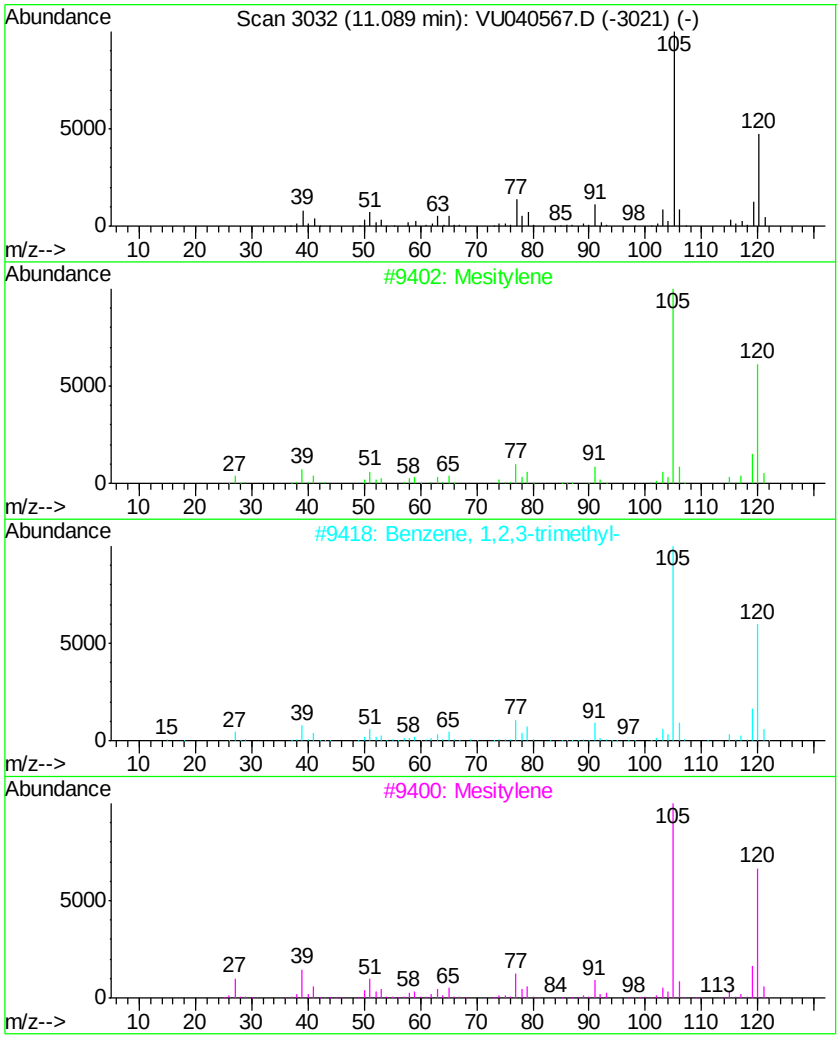
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

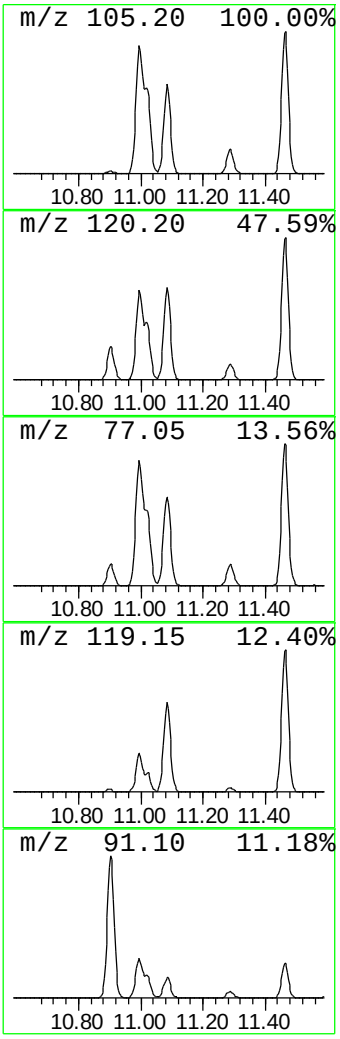
****

Peak Number 9 Mesitylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	3.38 ug/L	327580	1,4-Dichlorobenzene-d4	11.81

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

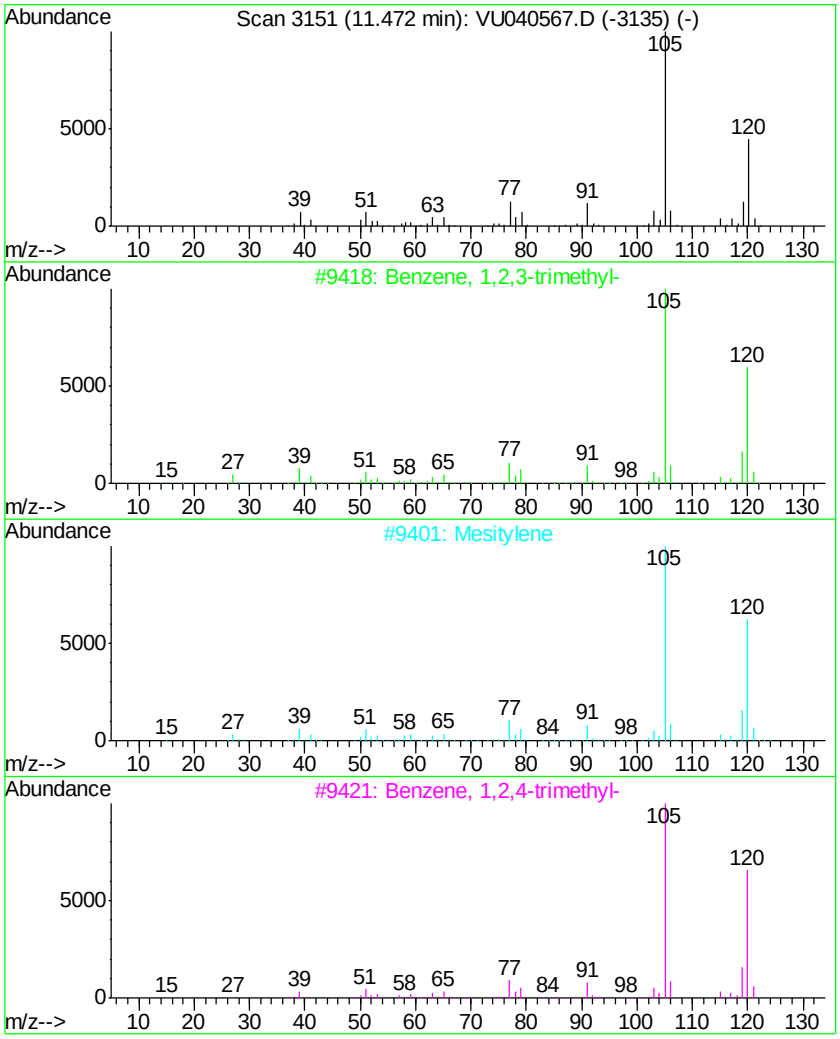
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

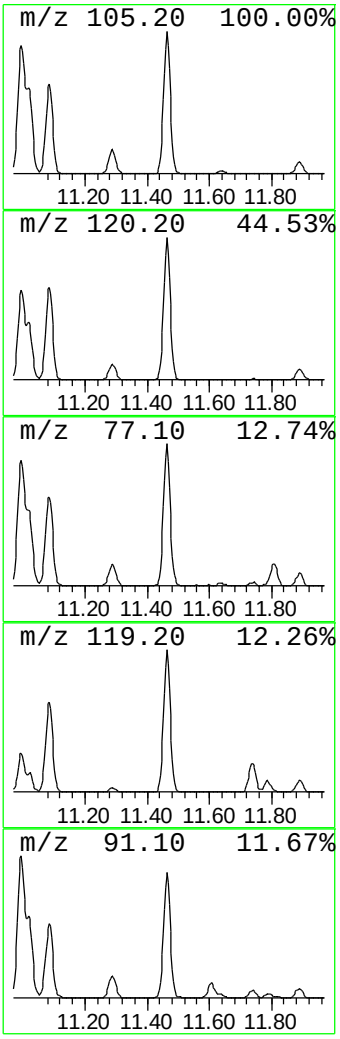
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	5.25 ug/L	508997	1,4-Dichlorobenzene-d4	11.81

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100820\
Data File : VU040567.D
Acq On : 08 Oct 2020 17:33
Operator : SY/MD
Sample : L4240-08DL 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL 20X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
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...	3.10	38.2	ug/L	2761350	1	6.26	361422	5.0
(DEL) Alkane: Str...	3.38	62.3	ug/L	4505380	1	6.26	361422	5.0
(DEL) Alkane: Str...	3.72	126.9	ug/L	9173240	1	6.26	361422	5.0
(DEL) Alkane: Str...	4.32	1.9	ug/L	133607	1	6.26	361422	5.0
(DEL) Alkane: Cyc...	4.55	84.9	ug/L	6134370	1	6.26	361422	5.0
Benzene, propyl-	10.90	1.8	ug/L	178506	3	11.81	485185	5.0
Benzene, 1-ethyl-...	11.00	5.2	ug/L	501427	3	11.81	485185	5.0
Mesitylene	11.09	3.4	ug/L	327580	3	11.81	485185	5.0
Benzene, 1,2,3-tr...	11.47	5.3	ug/L	508997	3	11.81	485185	5.0