LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

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\SOMUTR050720WMA.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	2.446	331	344	362	rBV	15267356	23508907	15.05%	5.595%
2	4.105	834	860	892	rBV	17397365	45416952	29.07%	10.810%
3	5.198	1168	1200	1244	rBV2	2259892	8154336	5.22%	1.941%
4	5.864	1371	1407	1430	rBV3	69873786	156242875	100.00%	37.187%
5	8.677	2267	2282	2295	rBV3	1220658	2312524	1.48%	0.550%
6	9.478	2509	2531	2557	rBV3	50504239	85737890	54.87%	20.407%
7	9.597	2557	2568	2591	rVB3	2486760	5417952	3.47%	1.290%
8	9.716	2591	2605	2621	rBV	15864223	25943993	16.60%	6.175%
9	10.124	2720	2732	2754	rVB2	3281764	6104158	3.91%	1.453%
10	10.504	2835	2850	2867	rBV	7771570	12550673	8.03%	2.987%
11	10.912	2961	2977	2996	rVB2	5903967	10800040	6.91%	2.571%
12	11.105	3026	3037	3049	rVB	1122224	1741326	1.11%	0.414%
13	11.308	3089	3100	3121	rVB	1978429	3281410	2.10%	0.781%
14	11.481	3144	3154	3173	rVB	3858874	6548723	4.19%	1.559%
15	11.848	3248	3268	3276	rBV3	1131745	3275412	2.10%	0.780%
16	11.902	3276	3285	3309	rVB3	3680285	6246964	4.00%	1.487%
17	12.108	3336	3349	3366	rVV2	2755682	4440064	2.84%	1.057%
18	12.211	3366	3381	3402	rVB5	1315005	3549628	2.27%	0.845%
19	12.587	3487	3498	3506	rBV	1137866	1723814	1.10%	0.410%
20	12.992	3607	3624	3632	rBV2	982060	2037168	1.30%	0.485%
21	13.475	3765	3774	3787	rVB4	1026271	1699586	1.09%	0.405%
22	14.114	3962	3973	3998	rVB	2080184	3414960	2.19%	0.813%

Sum of corrected areas: 420149355

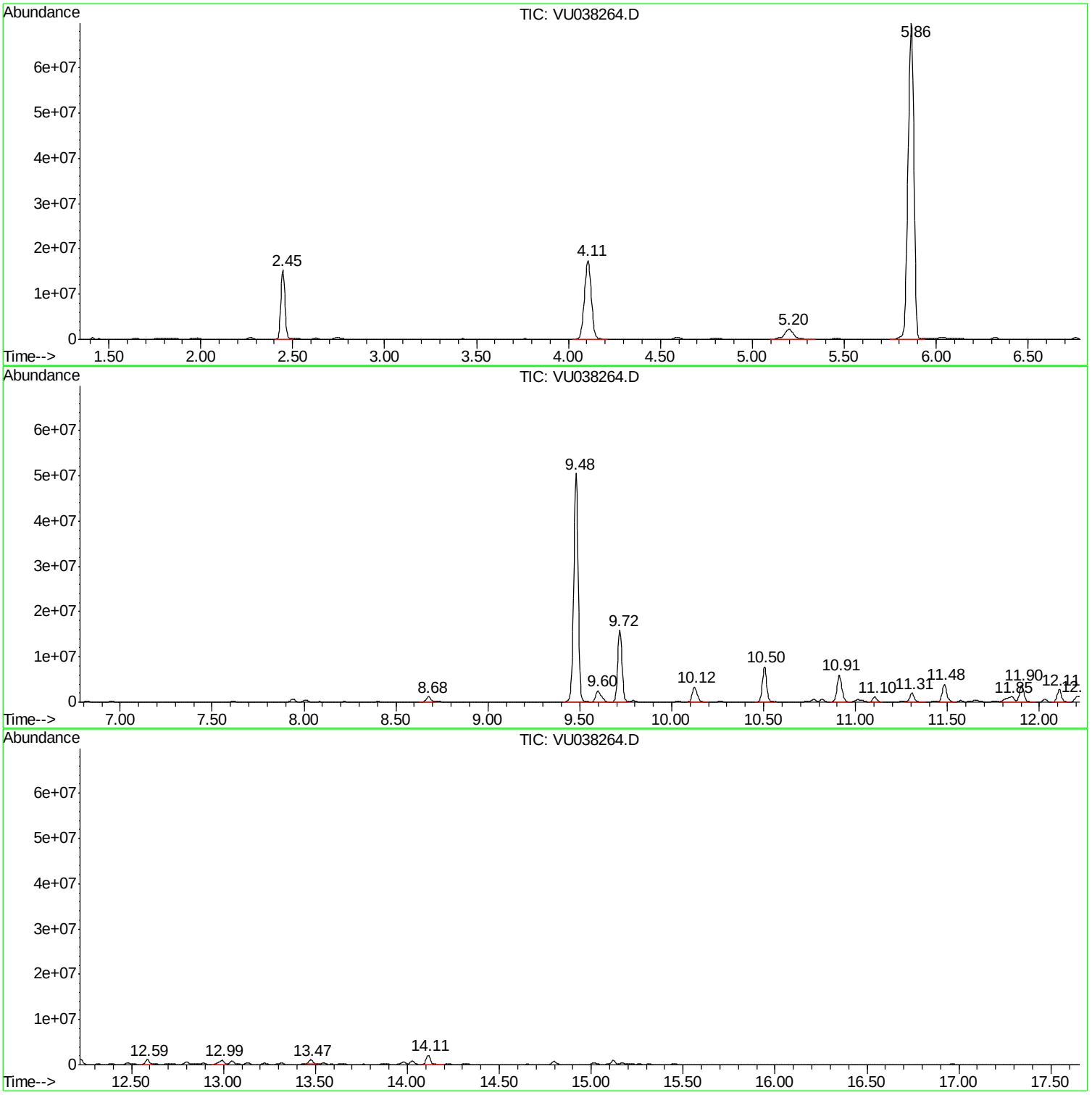
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

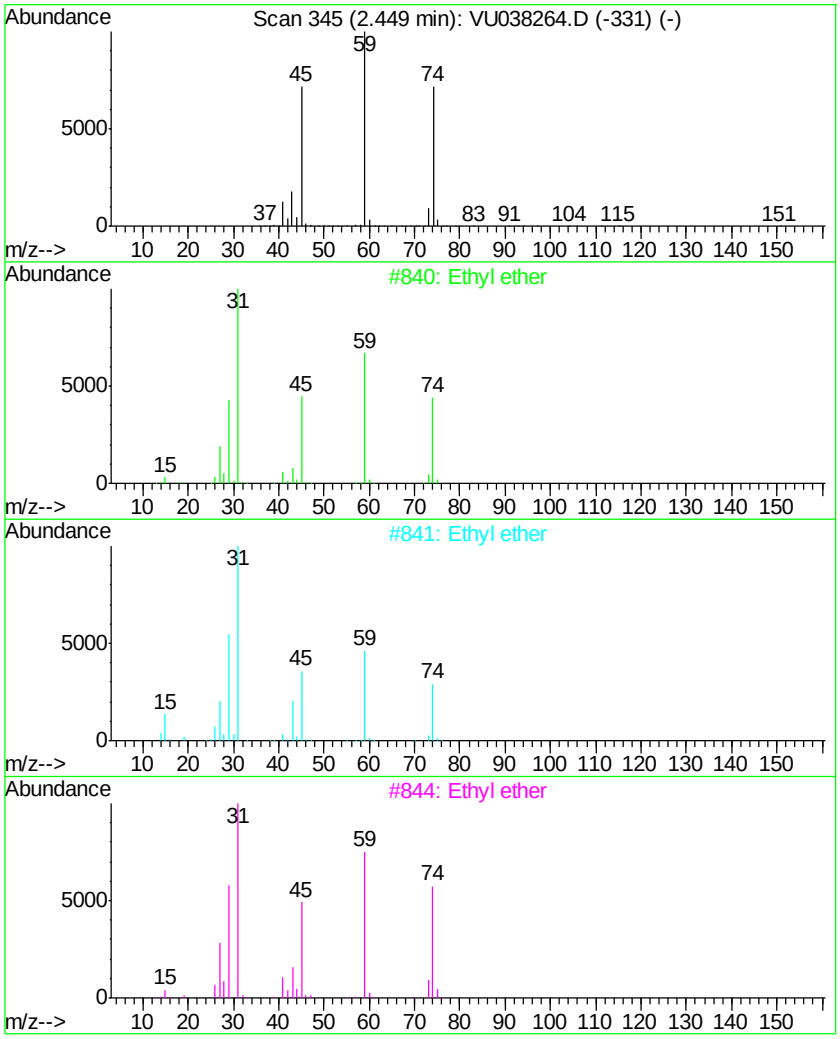
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

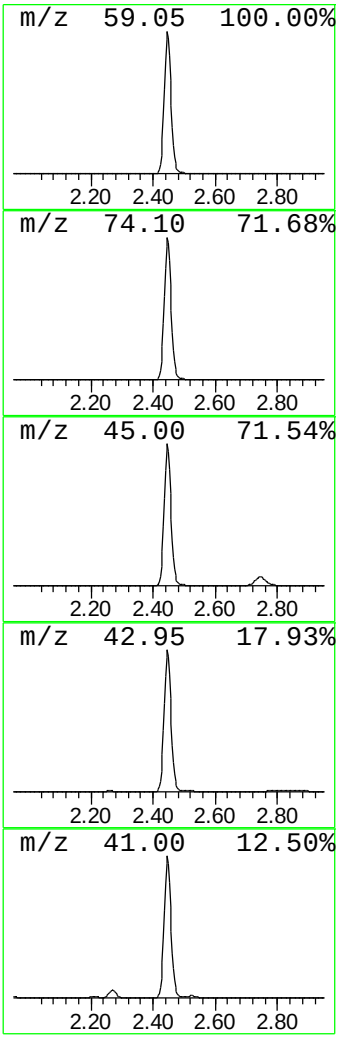
****

Peak Number 1 Ethyl ether Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	0.75 ug/L	23508900	1,4-Difluorobenzene	6.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	91
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethyl ether	74	C4H10O	000060-29-7	78
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

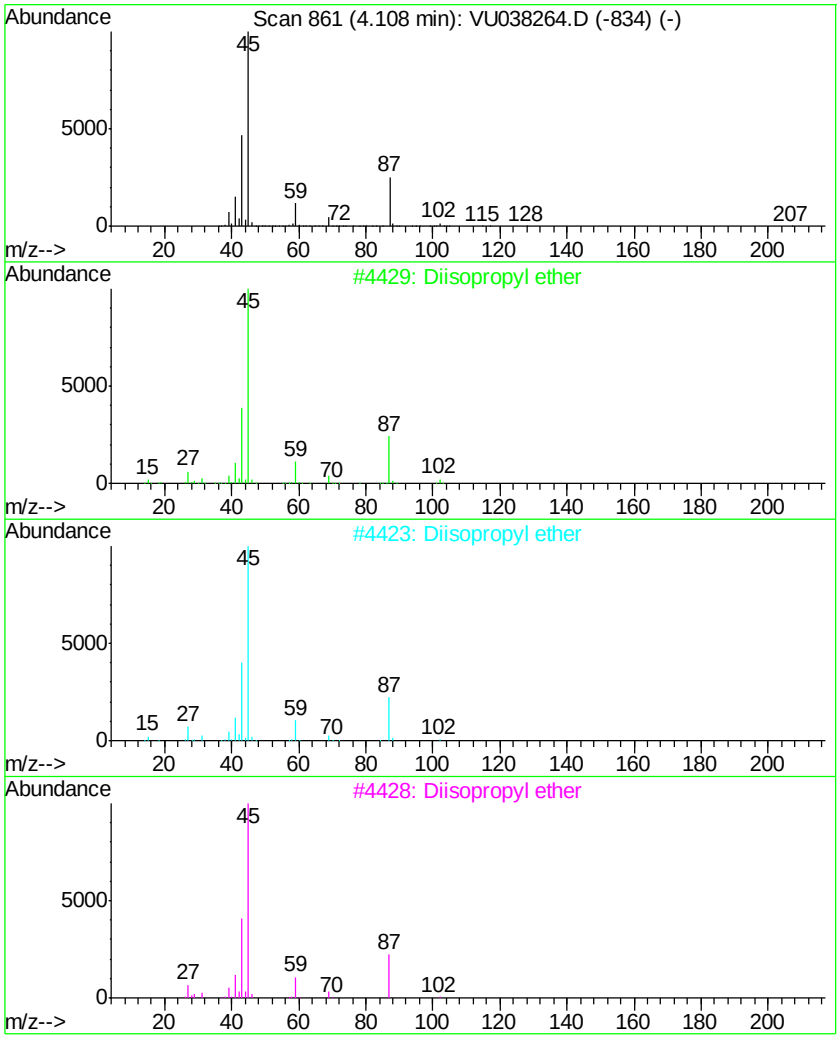
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

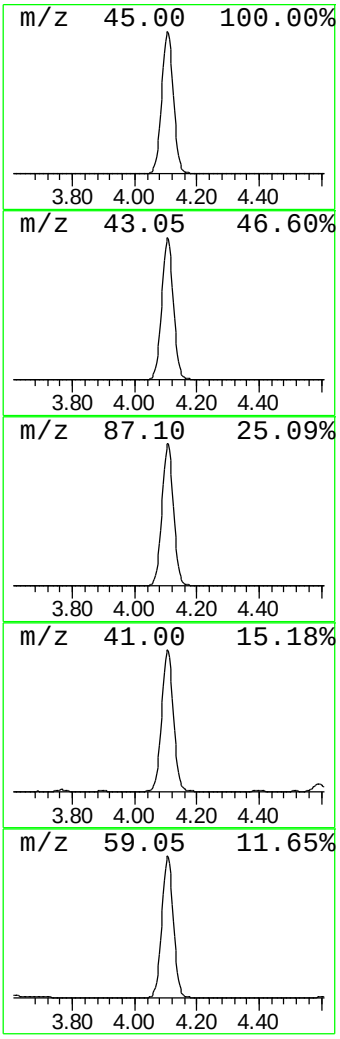
****

Peak Number 2 Diisopropyl ether Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.11	1.45 ug/L	45417000	1,4-Difluorobenzene	6.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	90
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78
5	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

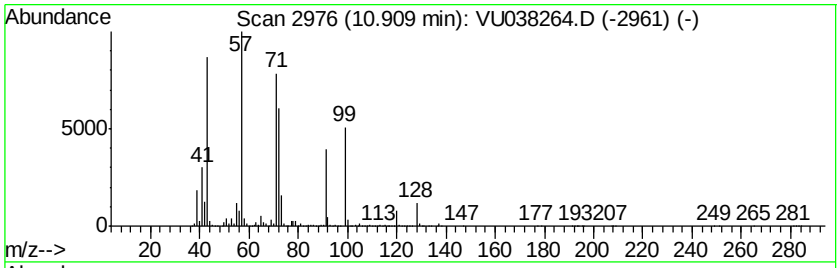
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

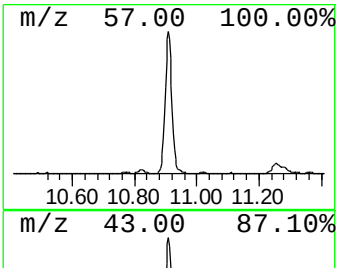
****

Peak Number 3 3-Heptanone, 6-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	16.49 ug/L	10800000	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	94
2	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	90
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	90
4	3-Octanone	128	C8H16O	000106-68-3	87
5	3-Octanone	128	C8H16O	000106-68-3	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

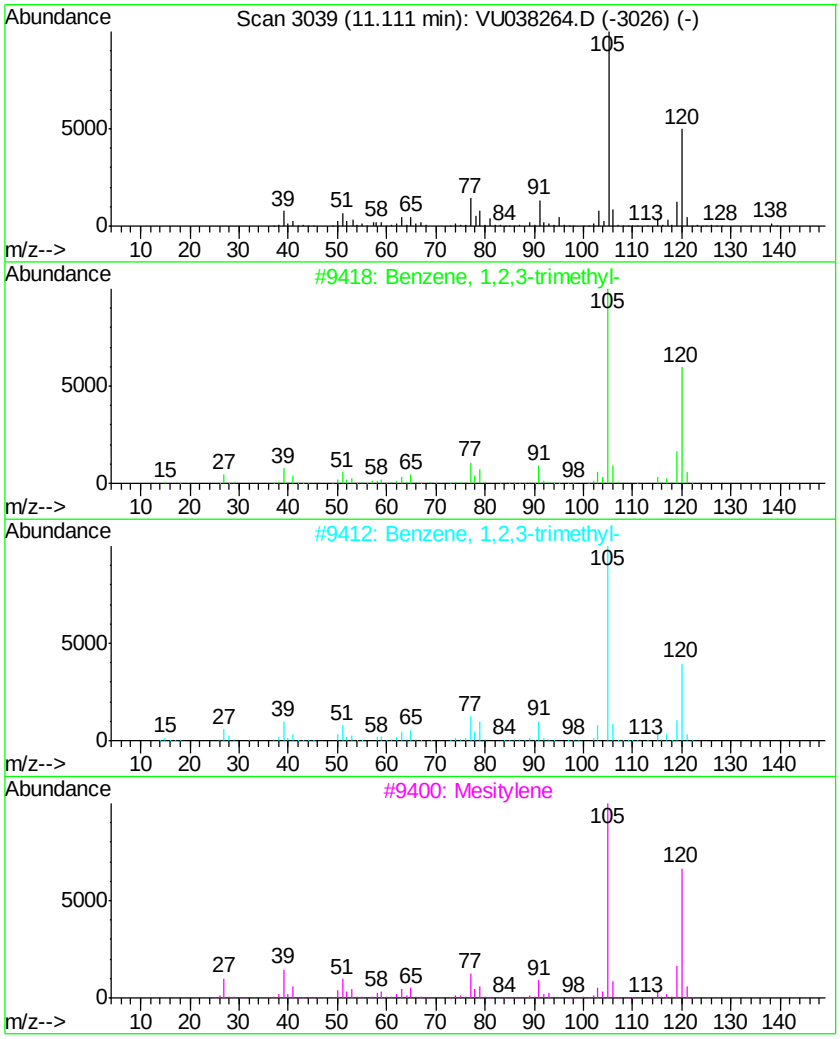
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

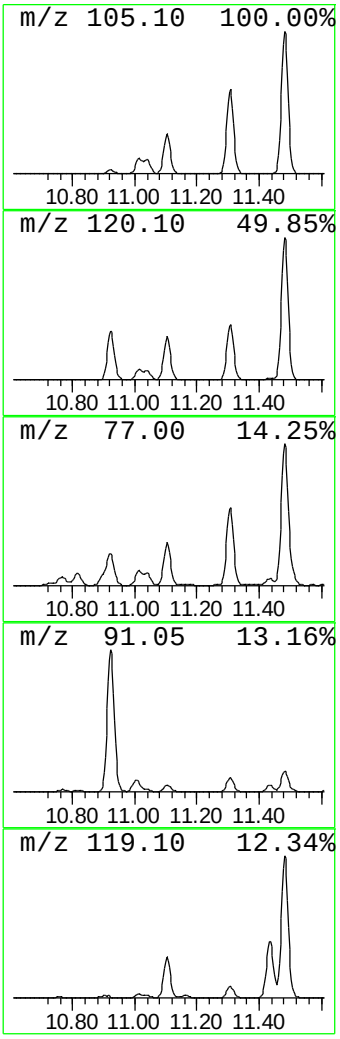
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	2.66 ug/L	1741330	1,4-Dichlorobenzene-d4	11.83

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

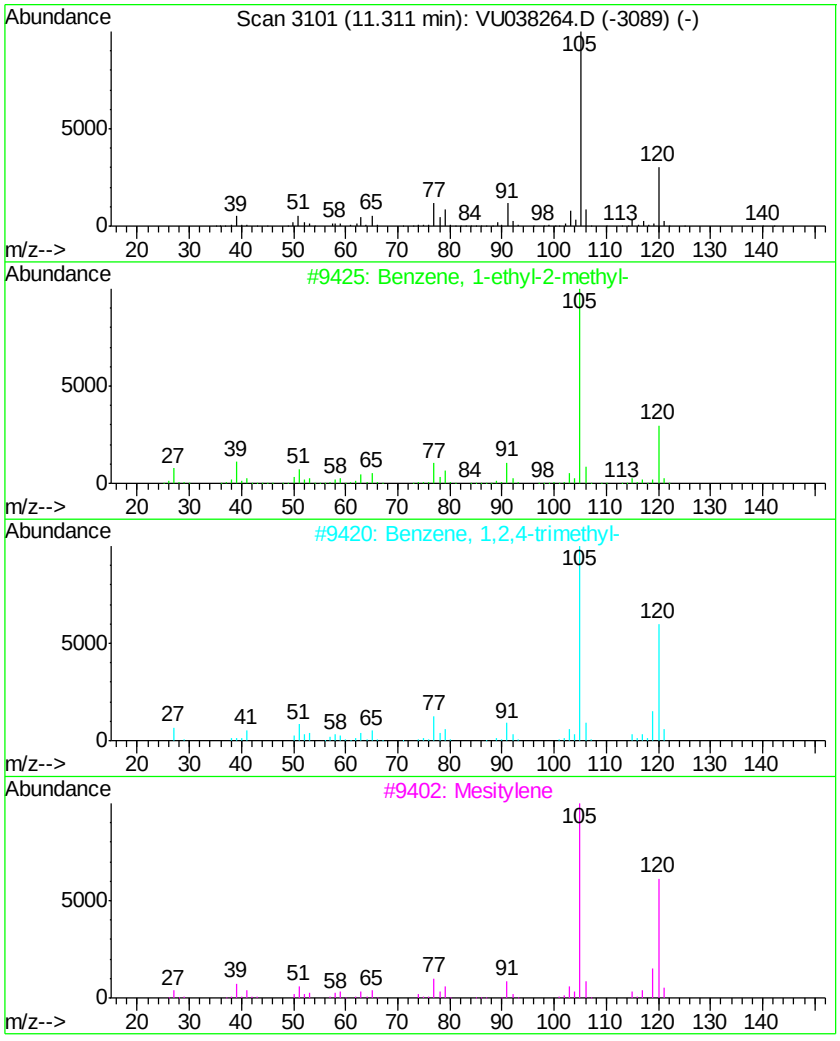
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

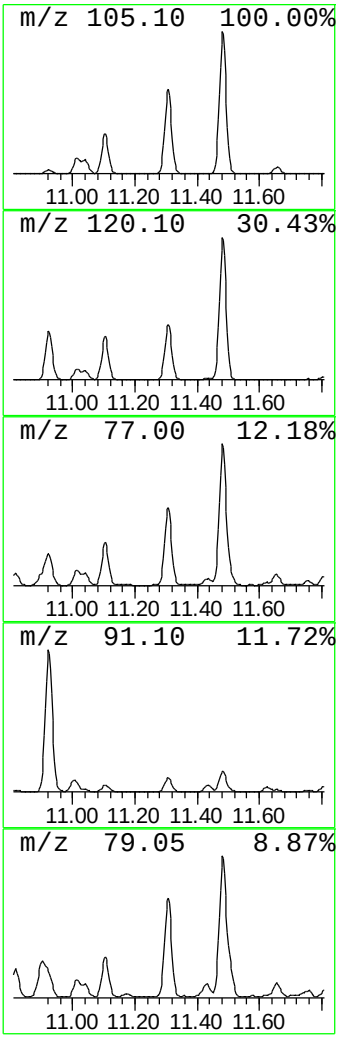
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	5.01 ug/L	3281410	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

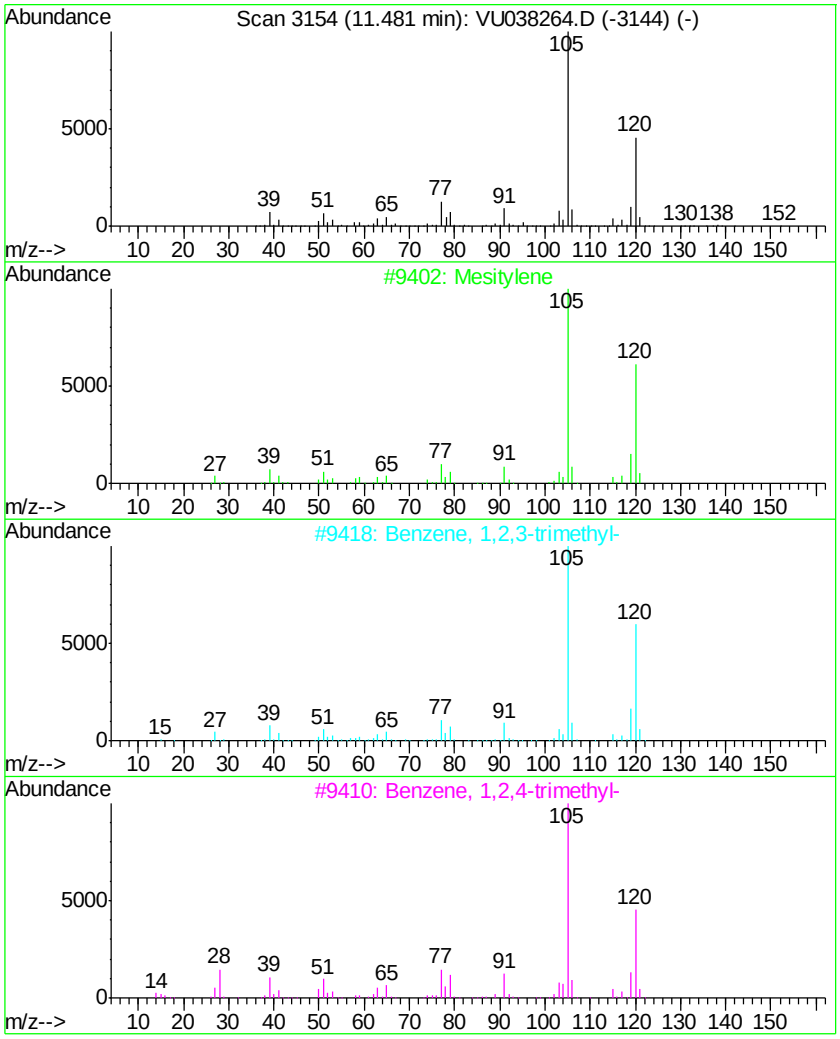
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

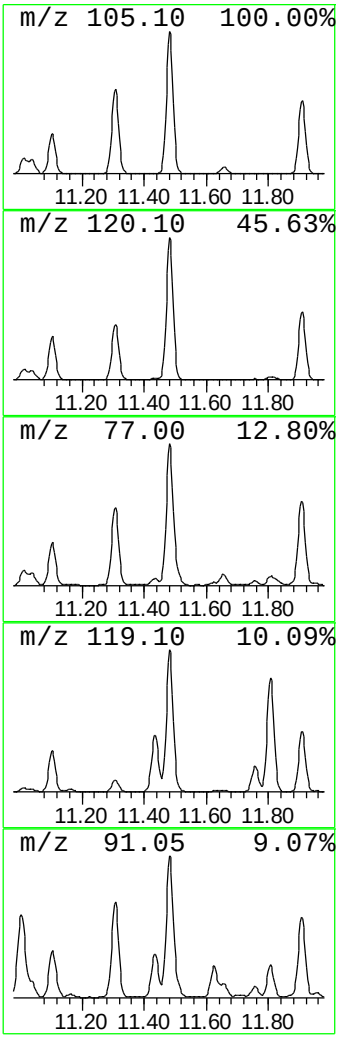
****

Peak Number 6 Mesitylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	10.00 ug/L	6548720	1,4-Dichlorobenzene-d4	11.83

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

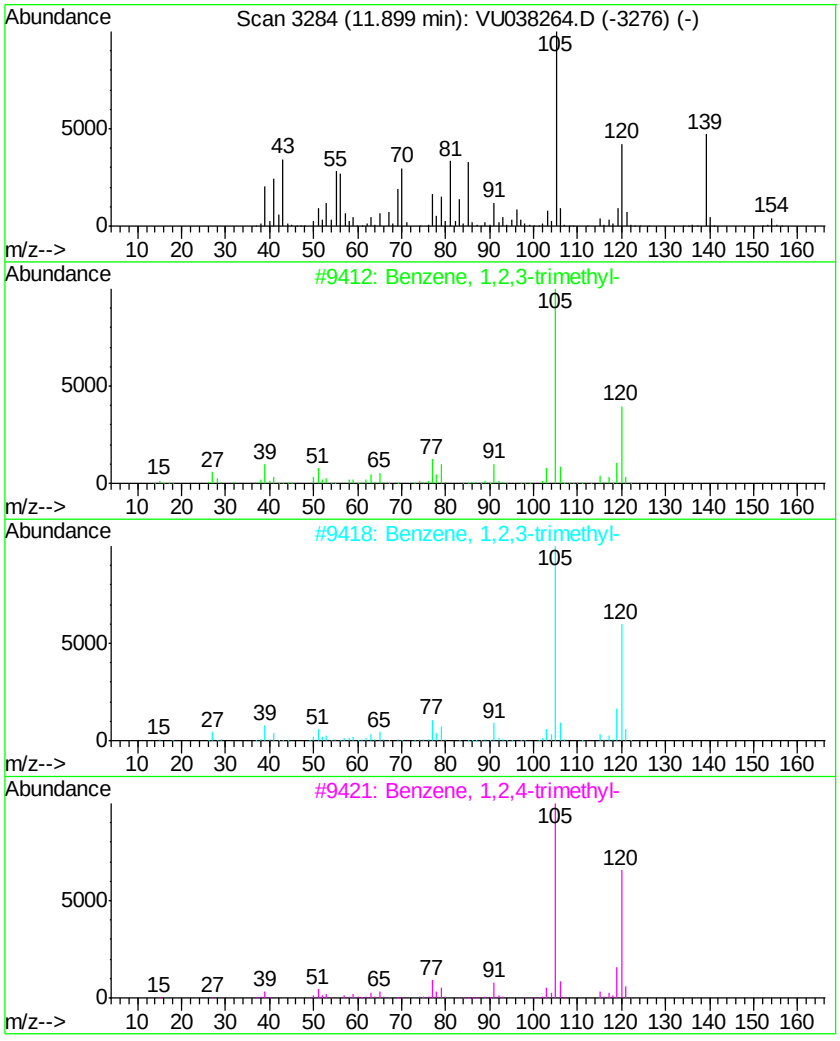
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

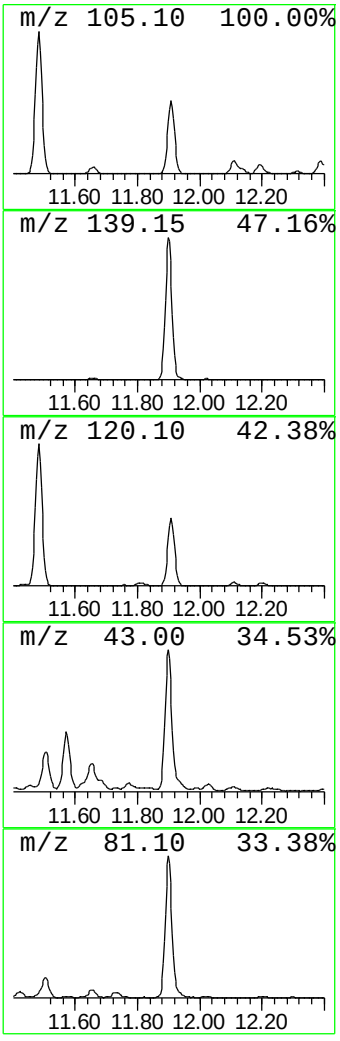
****

Peak Number 7 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	9.54 ug/L	6246960	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	89
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	89
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	89
4	Mesitylene	120	C9H12	000108-67-8	86
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

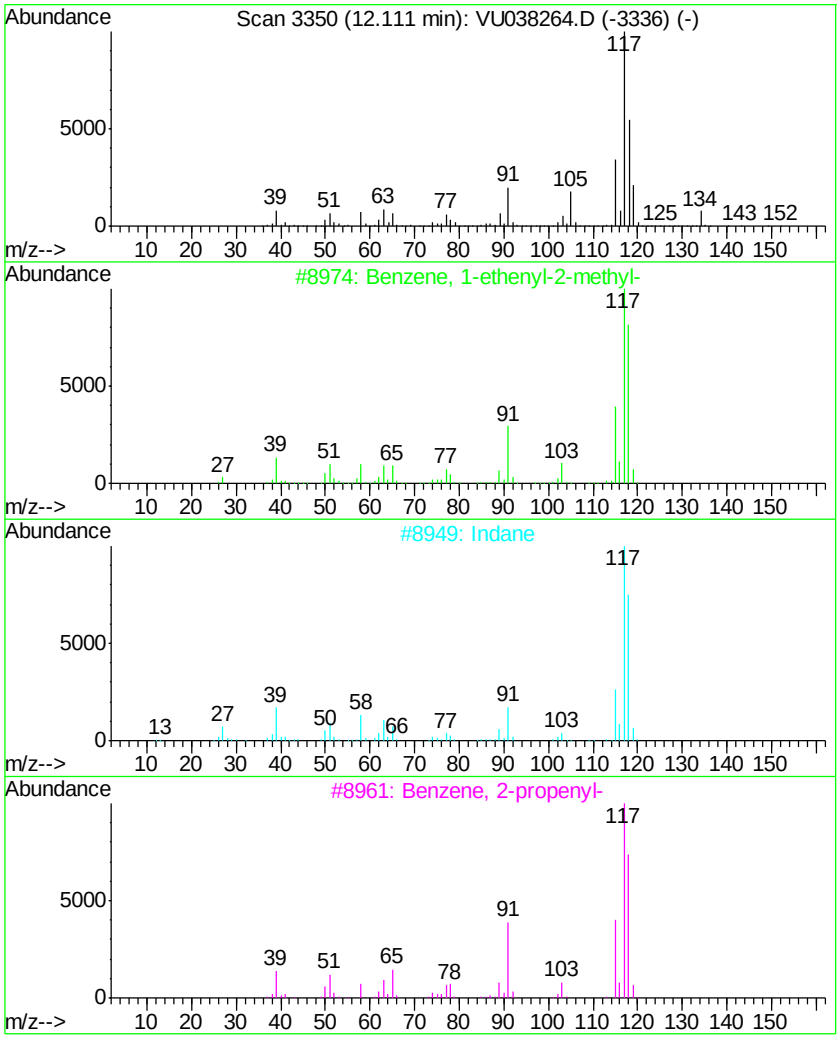
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

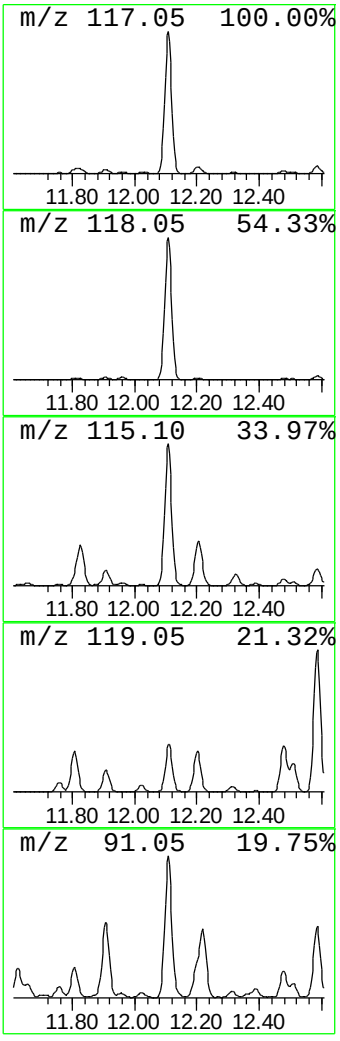
****

Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.78 ug/L	4440060	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70





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Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

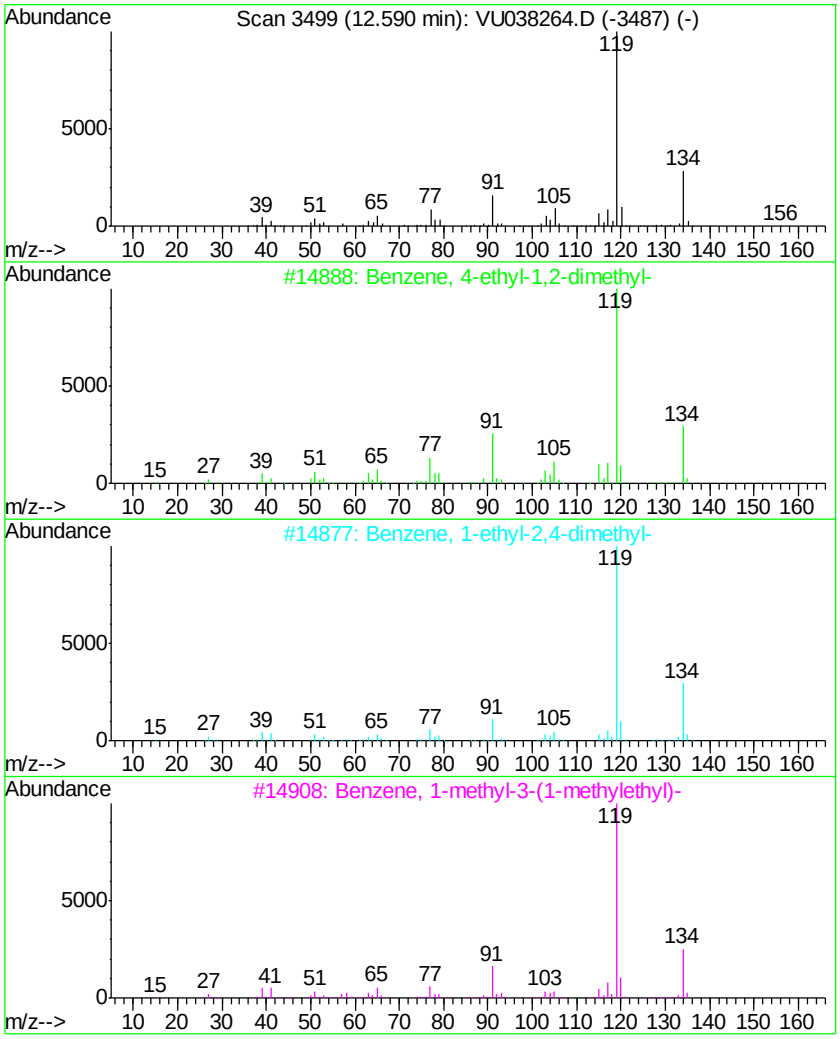
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

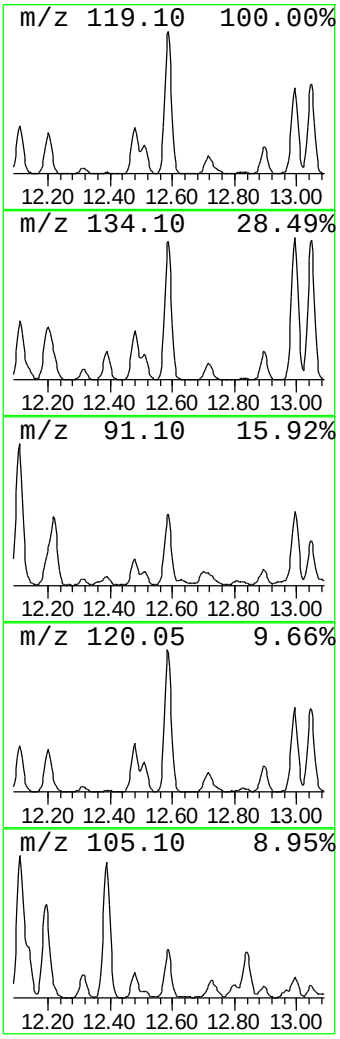
****

Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.63 ug/L	1723810	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

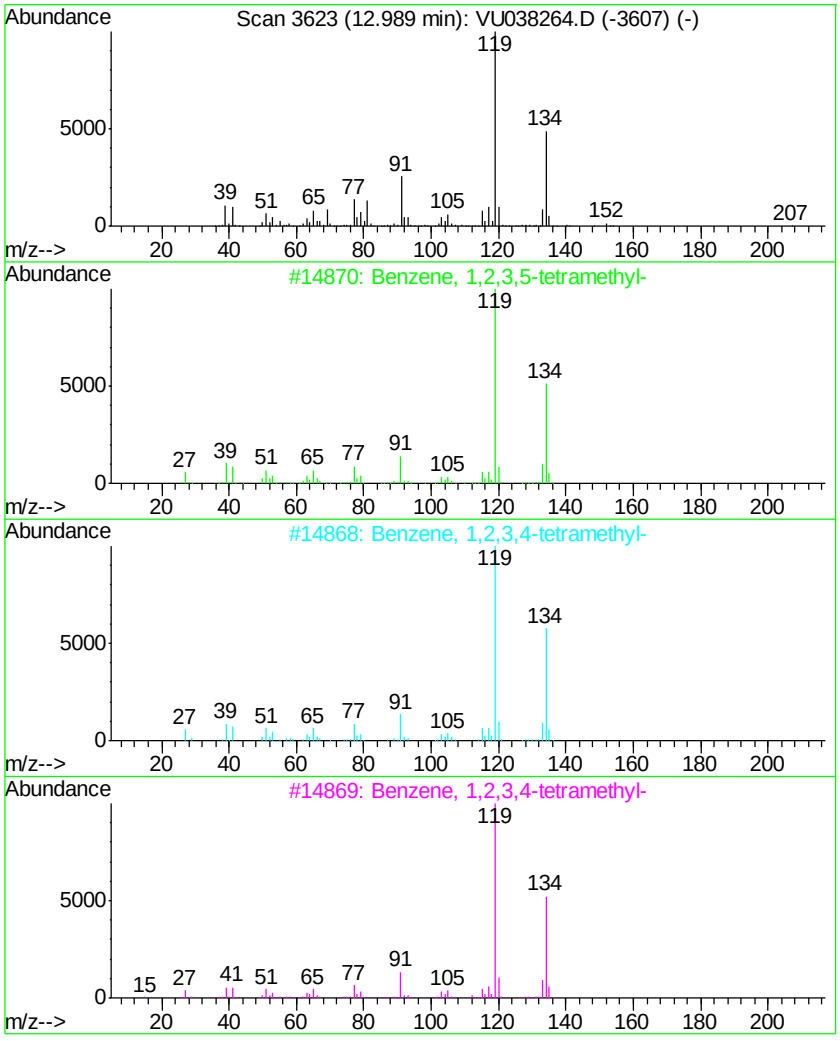
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

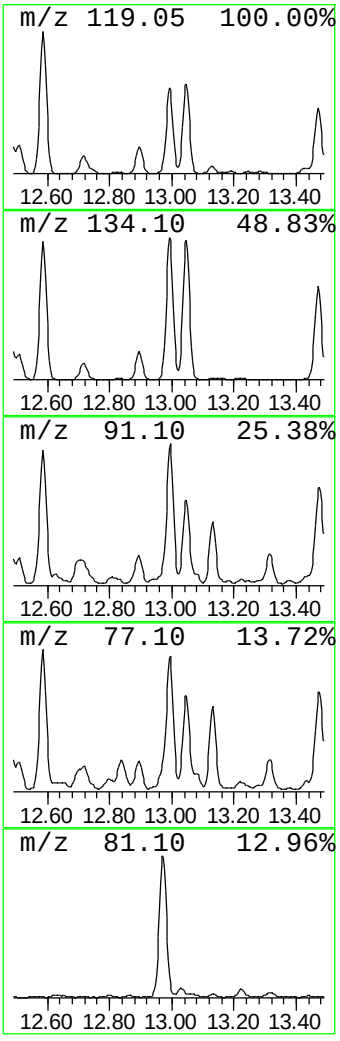
****

Peak Number 10 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.11 ug/L	2037170	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

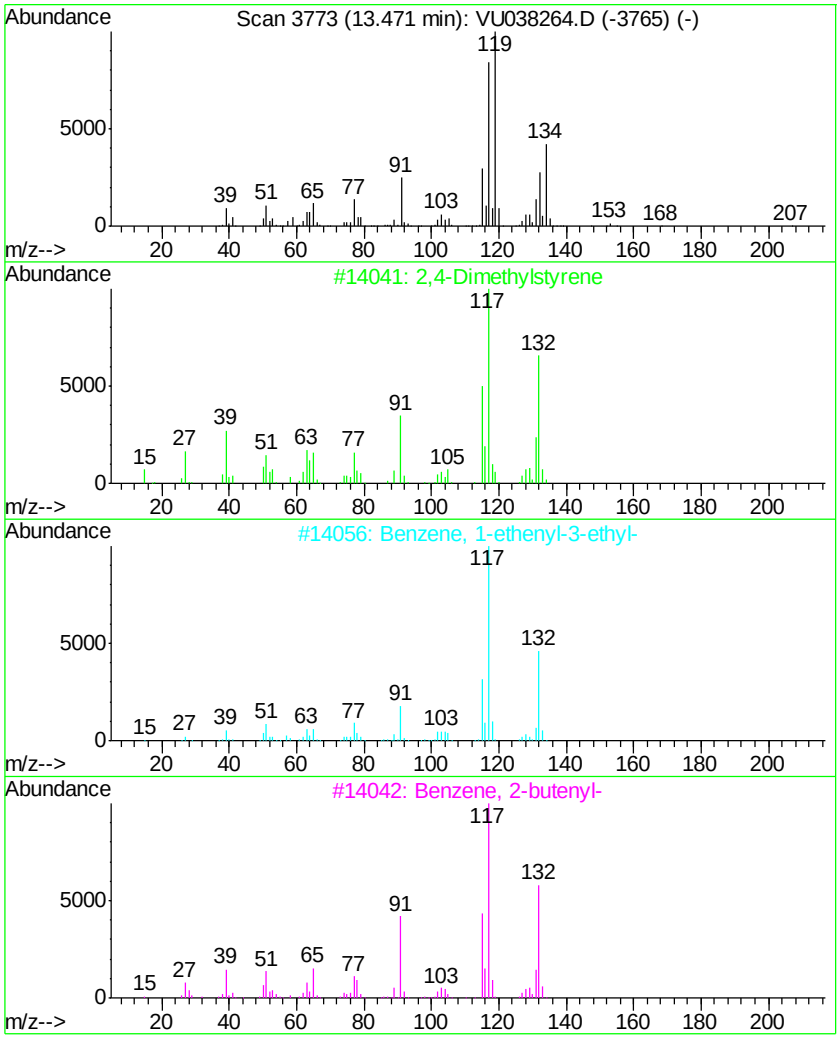
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

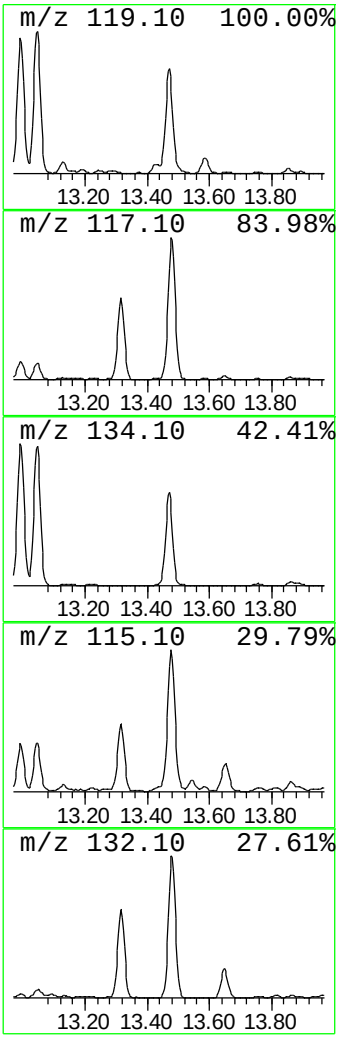
****

Peak Number 11 2,4-Dimethylstyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.59 ug/L	1699590	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052120\
Data File : VU038264.D
Acq On : 21 May 2020 15:07
Operator : JC/MD
Sample : L2724-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.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
Ethyl ether	2.45	0.8	ug/L	23508900	1	6.32	156243000	5.0
Diisopropyl ether	4.11	1.5	ug/L	45417000	1	6.32	156243000	5.0
3-Heptanone, 6-me...	10.91	16.5	ug/L	10800000	3	11.83	3275410	5.0
Benzene, 1,2,3-tr...	11.11	2.7	ug/L	1741330	3	11.83	3275410	5.0
Benzene, 1-ethyl-...	11.31	5.0	ug/L	3281410	3	11.83	3275410	5.0
Mesitylene	11.48	10.0	ug/L	6548720	3	11.83	3275410	5.0
Benzene, 1,2,4-tr...	11.90	9.5	ug/L	6246960	3	11.83	3275410	5.0
Benzene, 1-etheny...	12.11	6.8	ug/L	4440060	3	11.83	3275410	5.0
Benzene, 4-ethyl-...	12.59	2.6	ug/L	1723810	3	11.83	3275410	5.0
Benzene, 1,2,3,5-...	12.99	3.1	ug/L	2037170	3	11.83	3275410	5.0
2,4-Dimethylstyrene	13.47	2.6	ug/L	1699590	3	11.83	3275410	5.0