LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

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\SOMUTR092920WMA.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	2.388	316	326	342	rVB	222084	336214	2.69%	1.004%
2	4.012	809	831	853	rBV	468879	1207683	9.68%	3.606%
3	4.652	1016	1030	1071	rVB	83670	245394	1.97%	0.733%
4	5.083	1149	1164	1191	rBV	113391	265864	2.13%	0.794%
5	5.790	1348	1384	1413	rBV	6057457	12476787	100.00%	37.252%
6	6.263	1519	1531	1550	rVB2	175575	337863	2.71%	1.009%
7	6.703	1655	1668	1681	rBV3	99564	188975	1.51%	0.564%
8	7.906	2023	2042	2055	rBV	152604	267276	2.14%	0.798%
9	8.639	2257	2270	2302	rBV	321491	581416	4.66%	1.736%
10	9.449	2499	2522	2548	rBV2	1116173	2237417	17.93%	6.680%
11	9.571	2548	2560	2583	rVB2	201983	439267	3.52%	1.312%
12	9.694	2583	2598	2613	rBV	4621837	7352077	58.93%	21.951%
13	10.099	2708	2724	2751	rVB	2123674	3331384	26.70%	9.947%
14	10.481	2830	2843	2855	rBV	162992	255089	2.04%	0.762%
15	10.755	2908	2928	2936	rBV	92283	158075	1.27%	0.472%
16	10.896	2957	2972	2990	rBV2	217322	445720	3.57%	1.331%
17	10.993	2990	3002	3019	rVV2	210817	366825	2.94%	1.095%
18	11.086	3020	3031	3043	rVB	132346	206315	1.65%	0.616%
19	11.288	3083	3094	3112	rVB	147962	234766	1.88%	0.701%
20	11.462	3135	3148	3166	rVB	439766	687746	5.51%	2.053%
21	11.806	3242	3255	3270	rBV2	281714	575795	4.61%	1.719%
22	11.886	3270	3280	3299	rVB	252977	426786	3.42%	1.274%
23	12.089	3327	3343	3360	rVV2	247096	417686	3.35%	1.247%
24	12.185	3361	3373	3392	rVB2	251316	450206	3.61%	1.344%

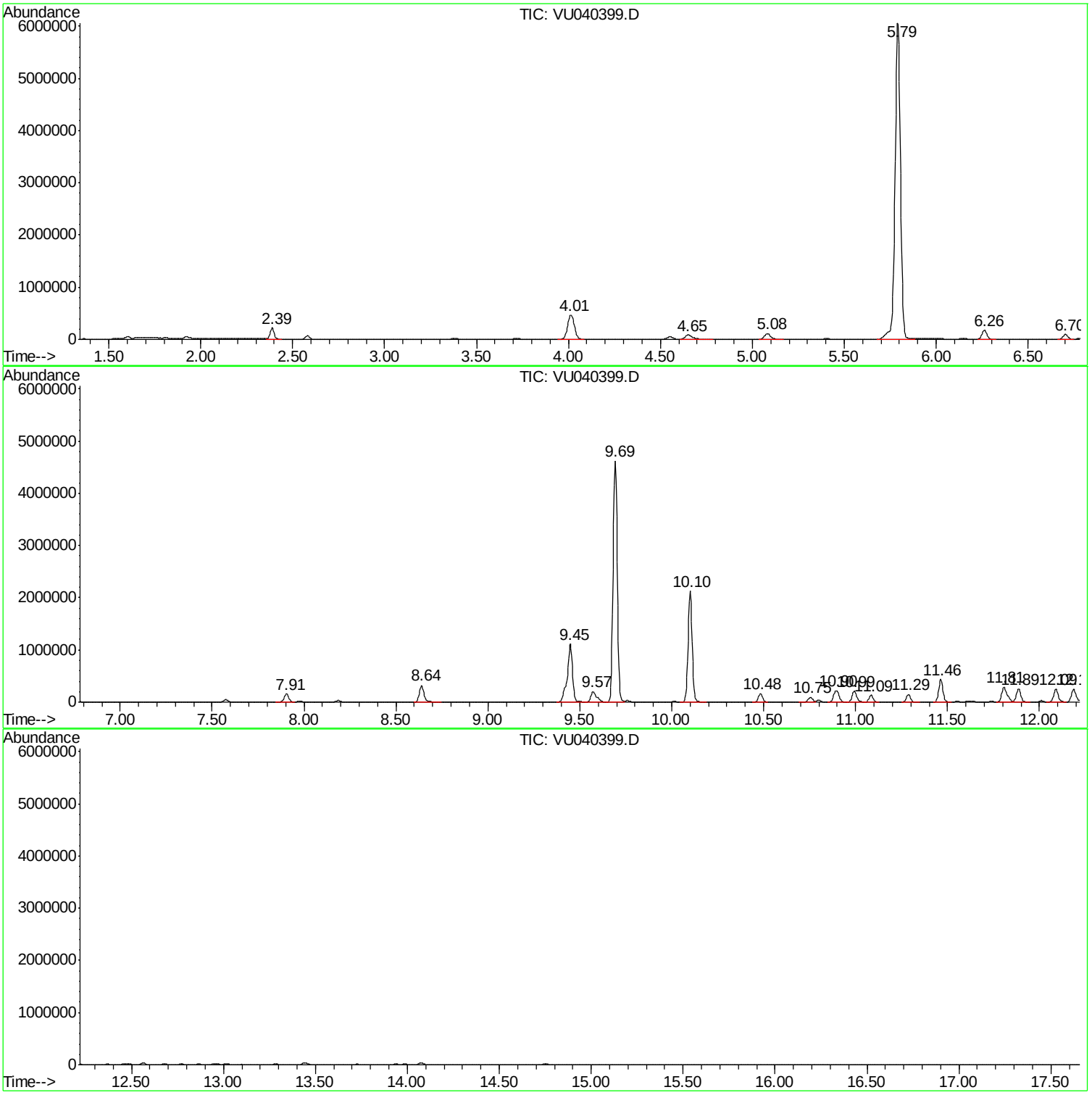
Sum of corrected areas: 33492626

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.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\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

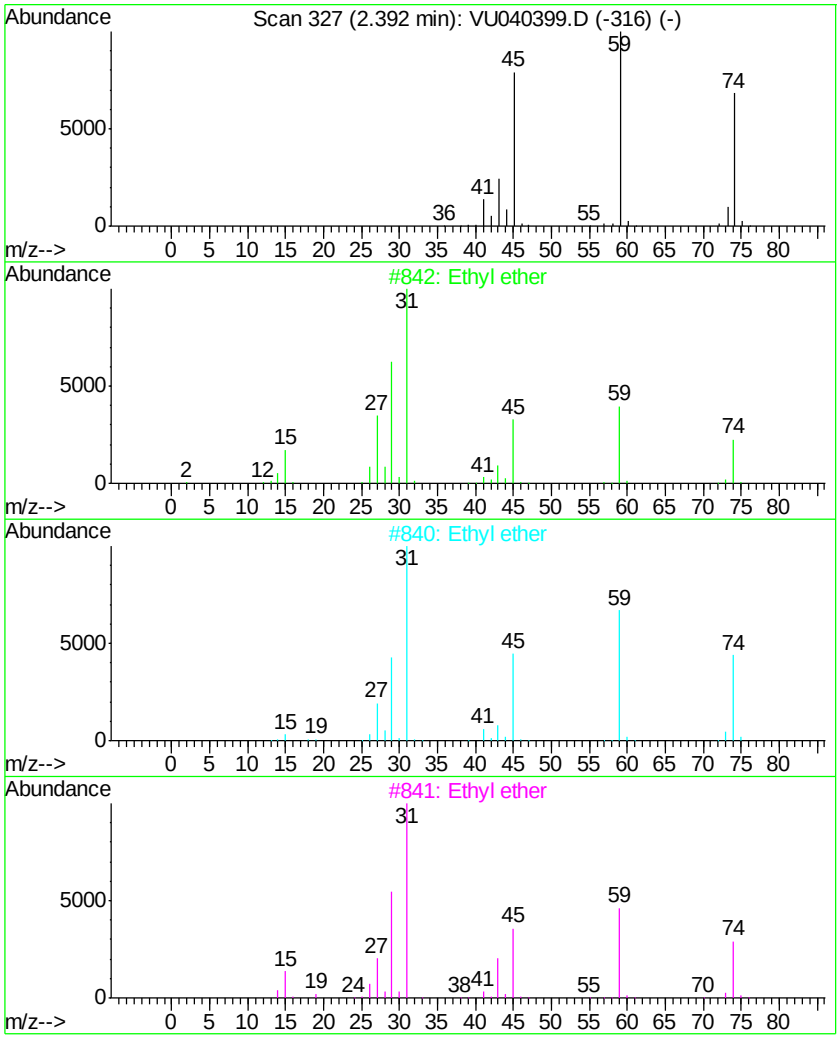
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

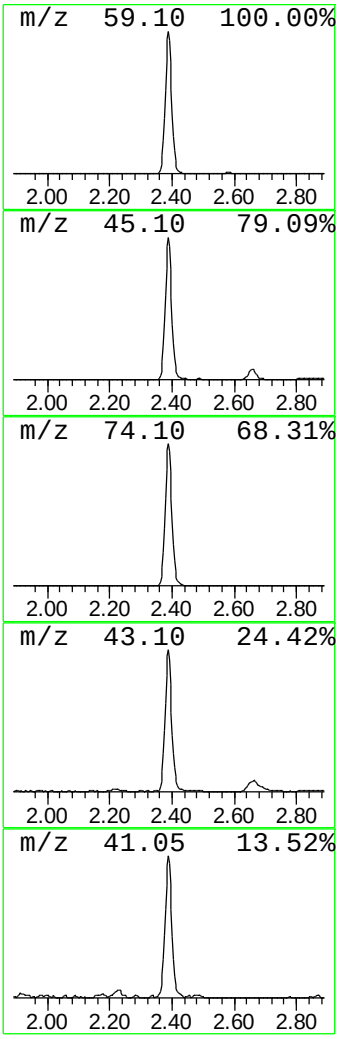
****

Peak Number 1 Ethyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	4.98 ug/L	336214	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	86
3	Ethyl ether	74	C4H10O	000060-29-7	78
4	Ethyl ether	74	C4H10O	000060-29-7	72
5	Ethyl ether	74	C4H10O	000060-29-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

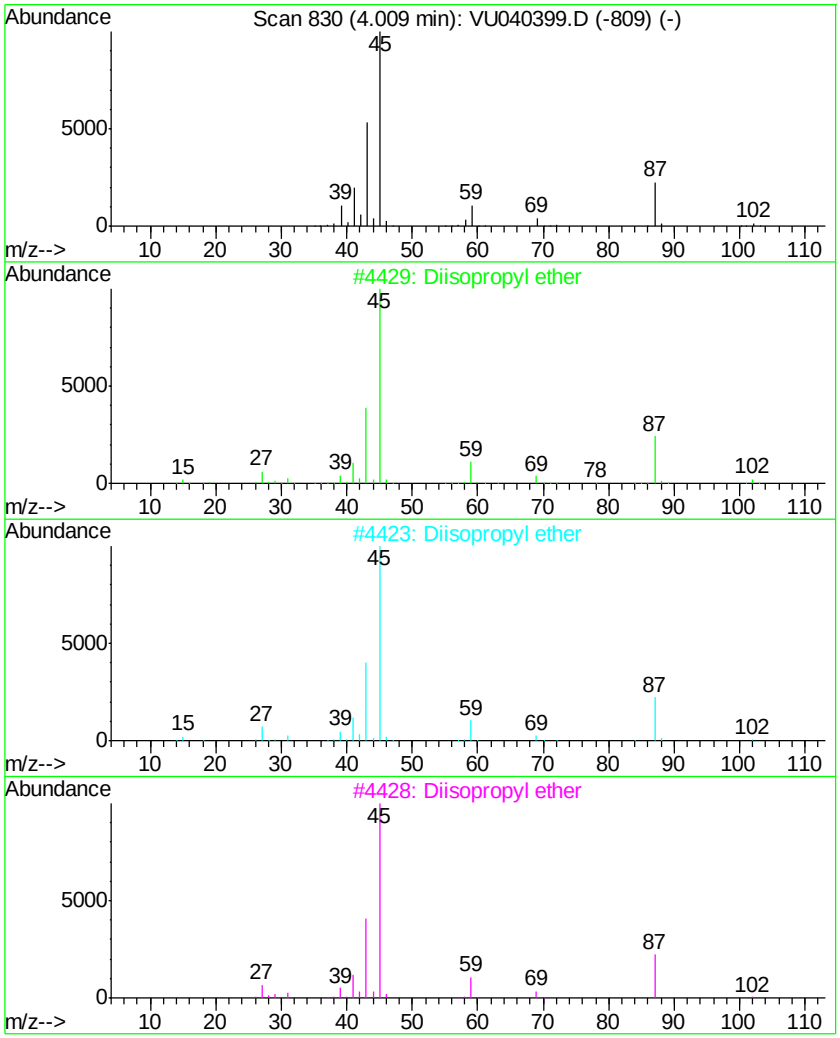
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

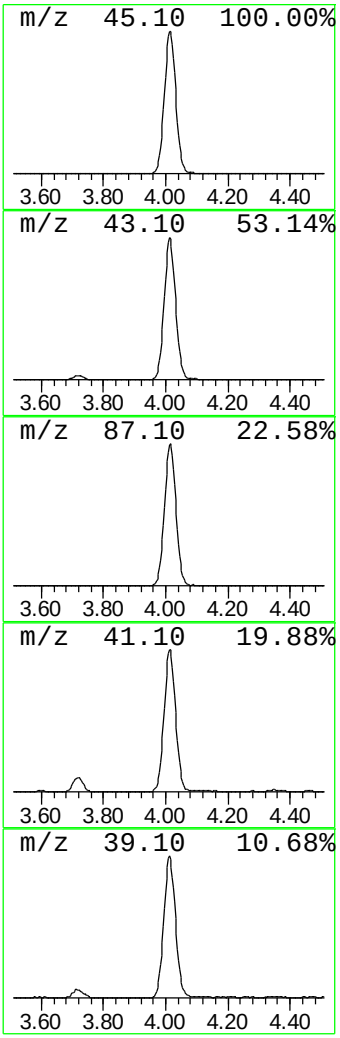
****

Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	17.87 ug/L	1207680	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	86
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	64
5	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

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

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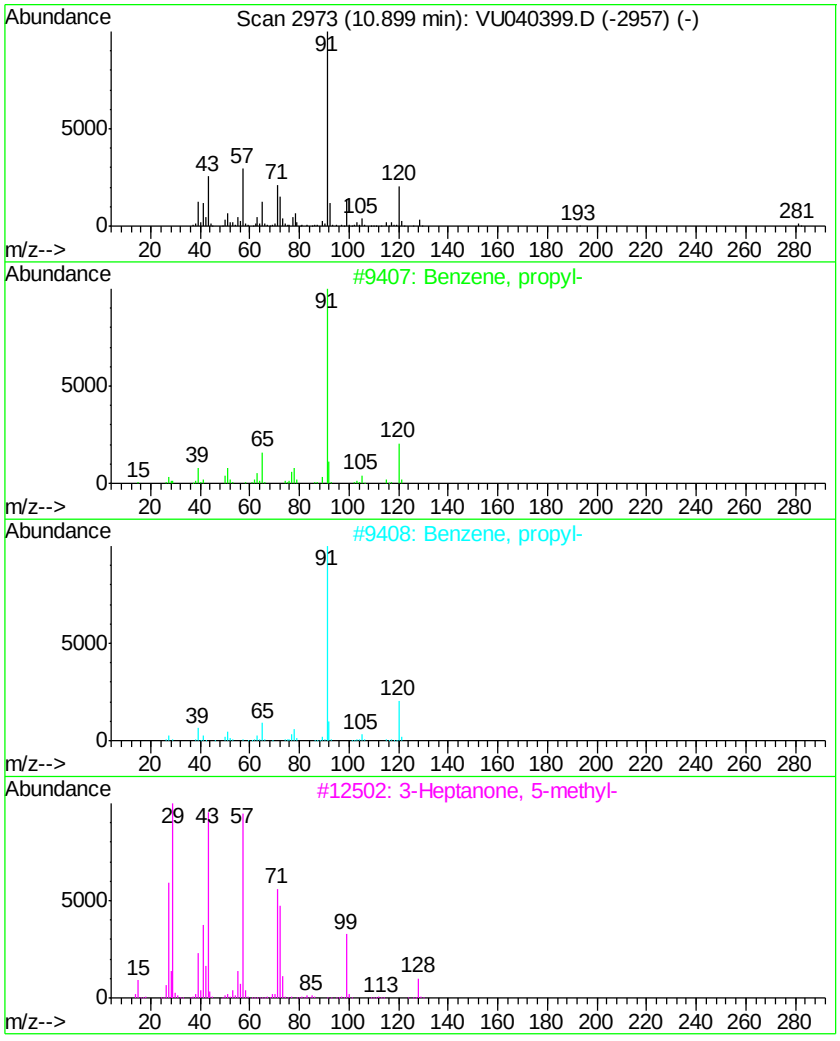
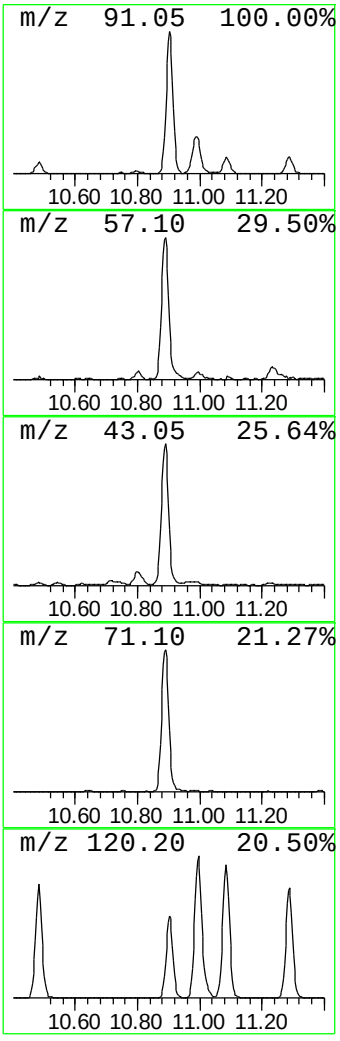
Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	3.87 ug/L	445720	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	46
2	Benzene, propyl-	120	C9H12	000103-65-1	46
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	43
4	Benzene, propyl-	120	C9H12	000103-65-1	41
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

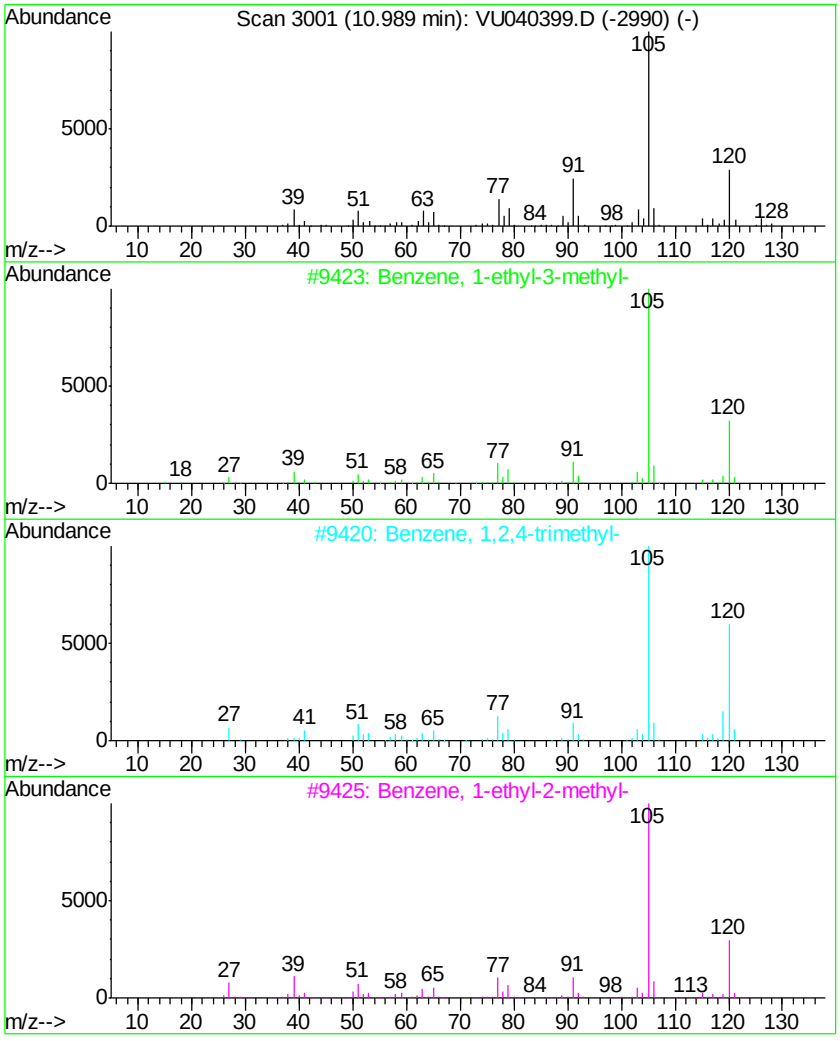
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

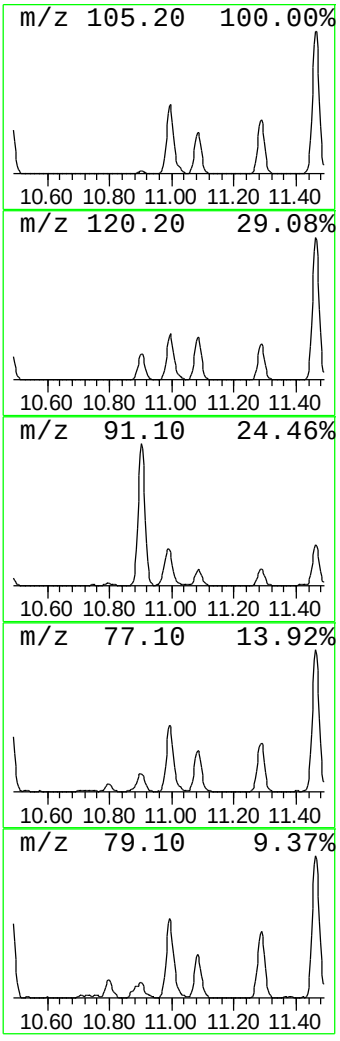
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	3.19 ug/L	366825	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	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

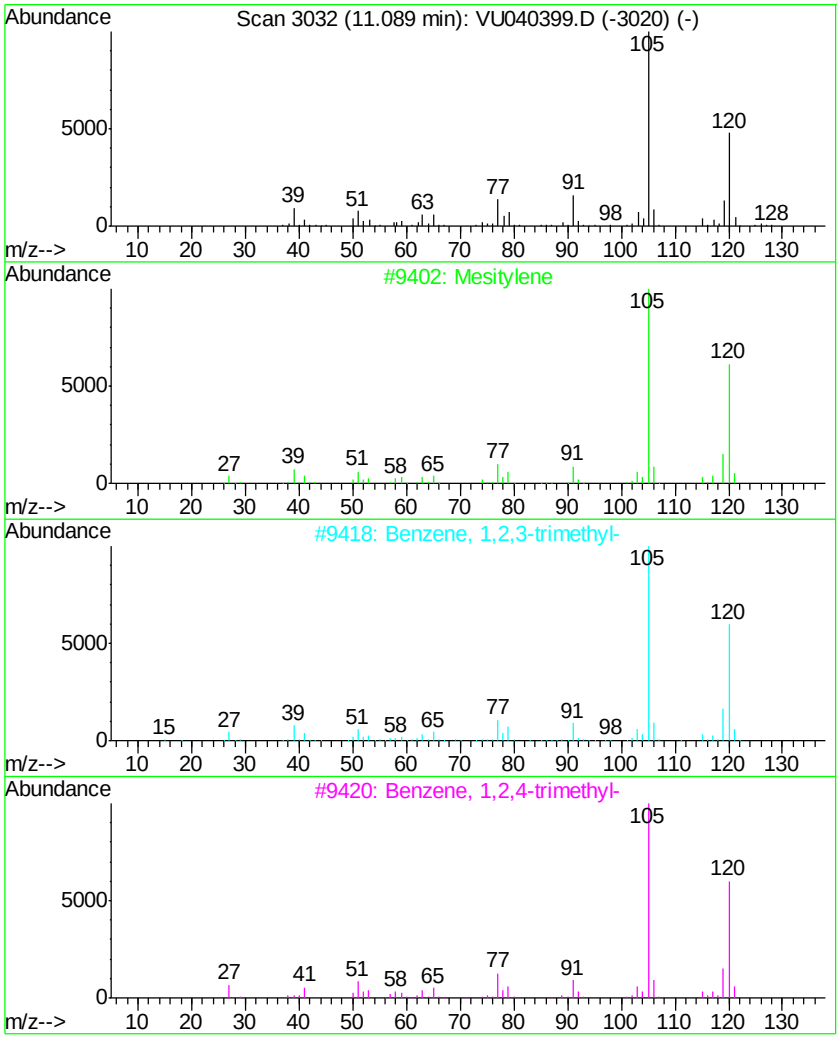
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

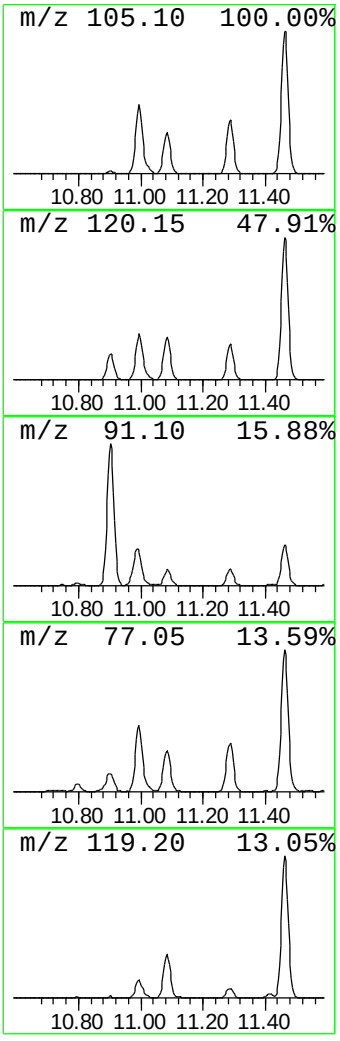
****

Peak Number 5 Mesitylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	1.79 ug/L	206315	1,4-Dichlorobenzene-d4	11.81

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	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

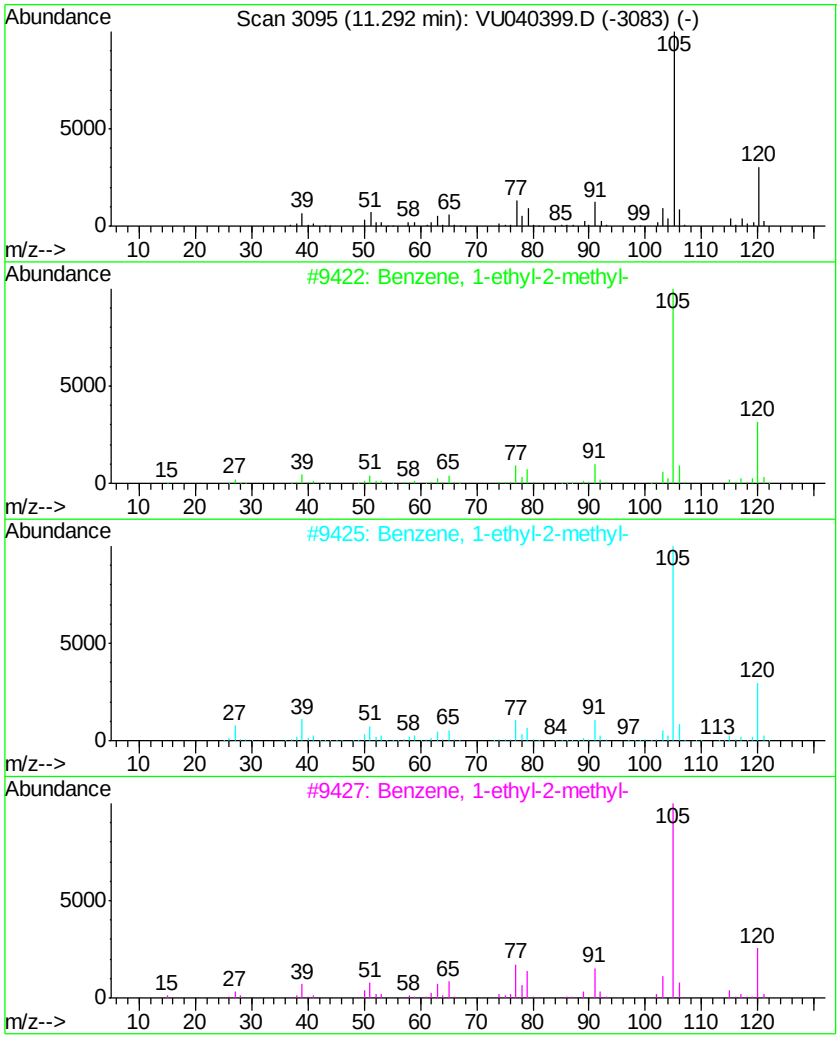
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

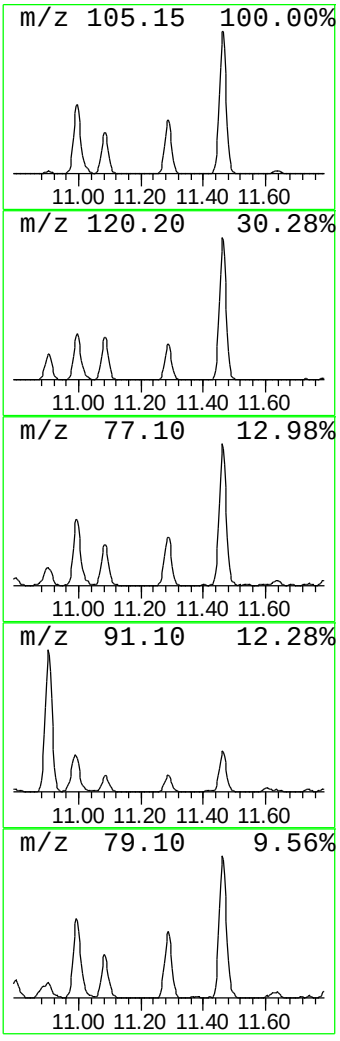
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	2.04 ug/L	234766	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

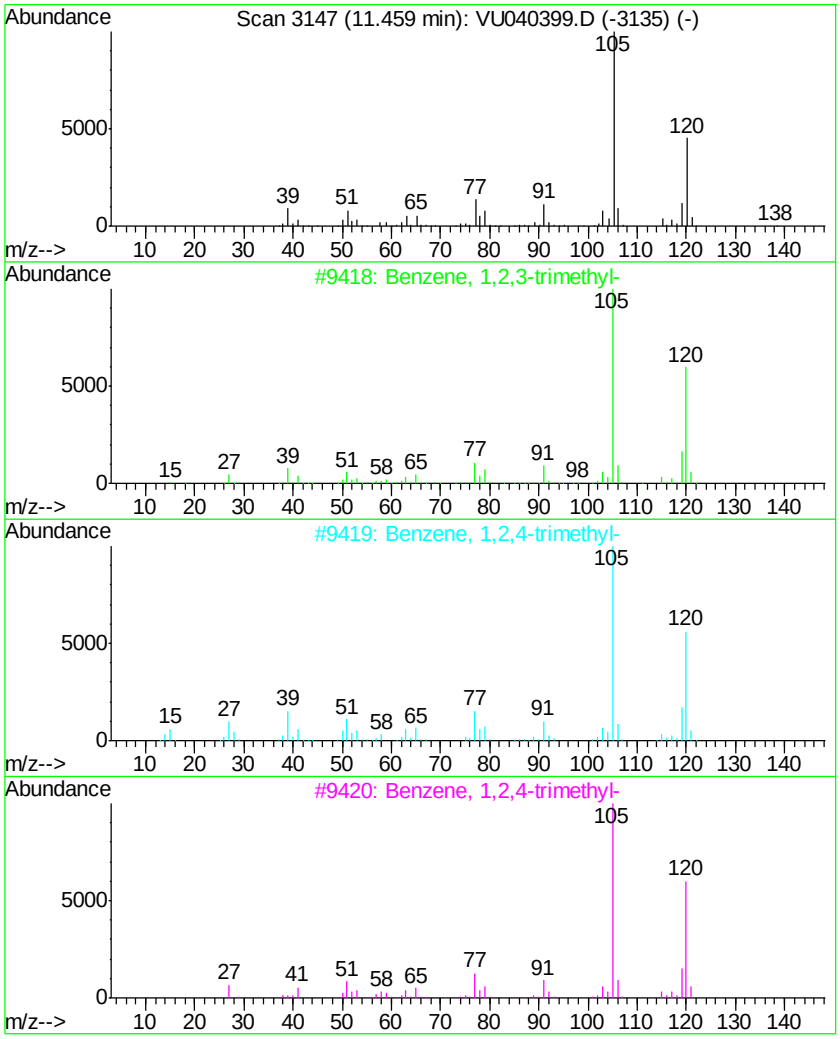
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

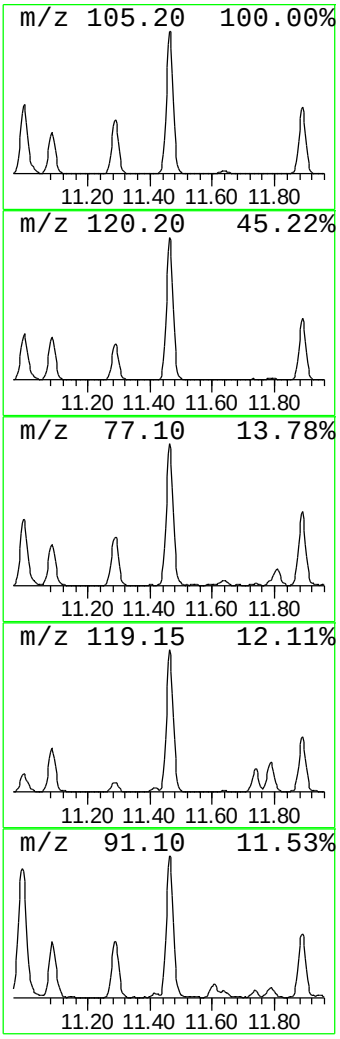
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	5.97 ug/L	687746	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

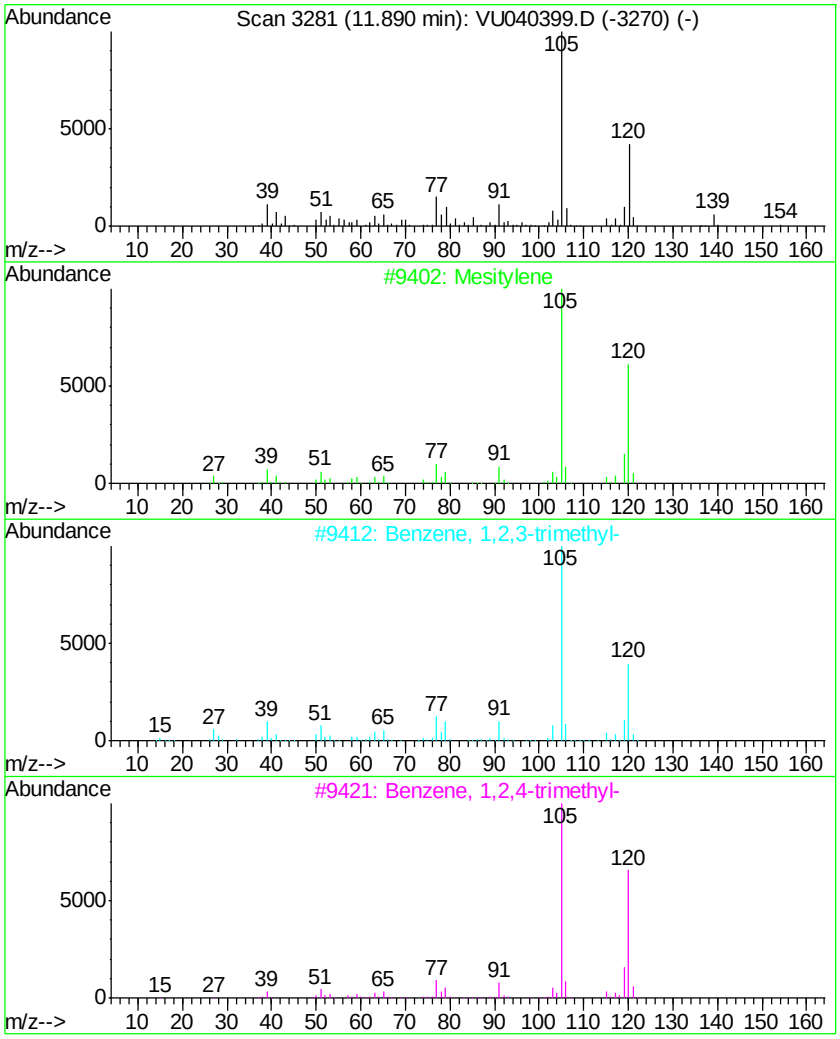
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

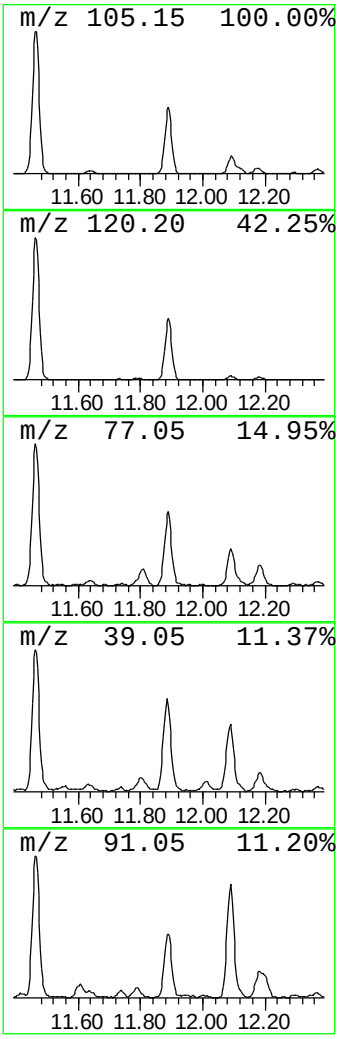
****

Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.71 ug/L	426786	1,4-Dichlorobenzene-d4	11.81

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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

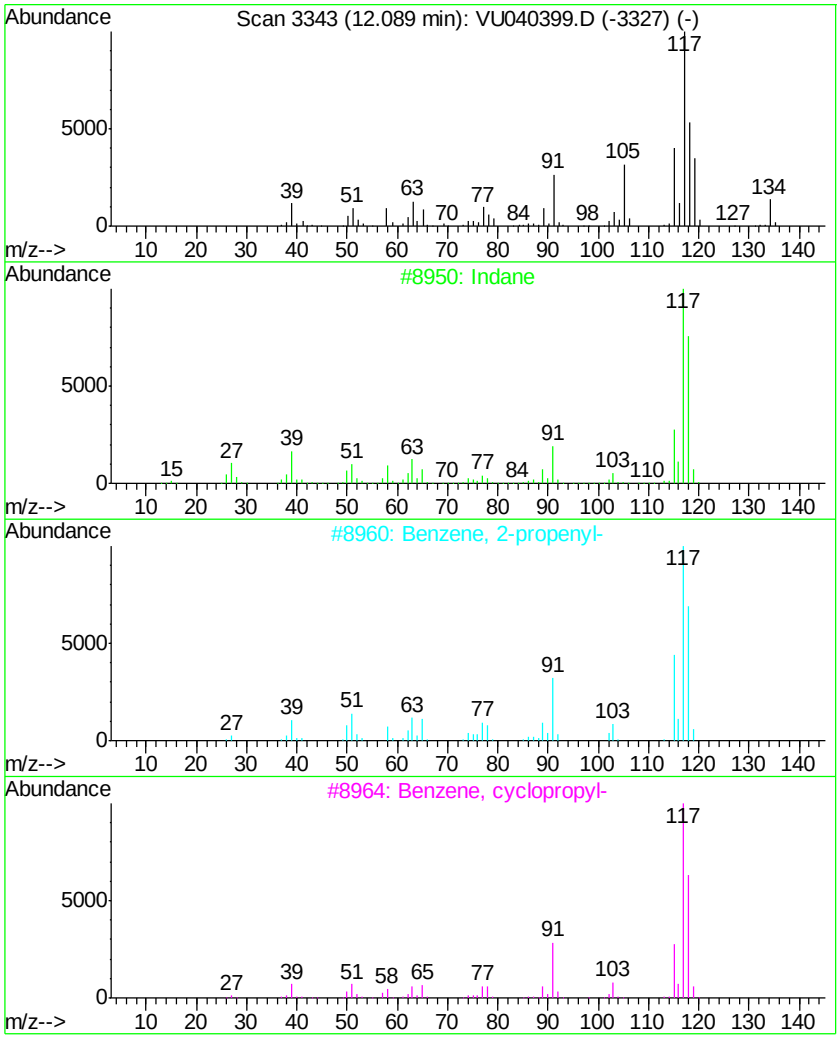
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

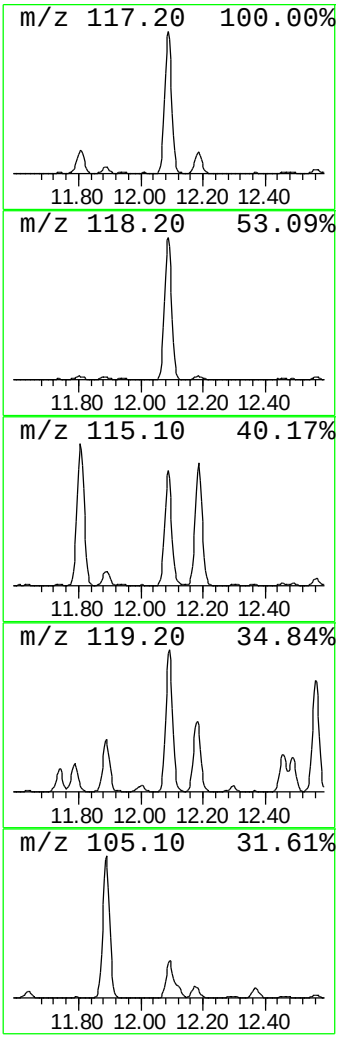
****

Peak Number 9 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	3.63 ug/L	417686	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	78
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Indane	118	C9H10	000496-11-7	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040399.D
Acq On : 30 Sep 2020 15:16
Operator : SY/MD
Sample : L4139-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.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	2.39	5.0	ug/L	336214	1	6.26	337863	5.0
Diisopropyl ether	4.01	17.9	ug/L	1207680	1	6.26	337863	5.0
unknown-01	10.90	3.9	ug/L	445720	3	11.81	575795	5.0
Benzene, 1-ethyl-...	10.99	3.2	ug/L	366825	3	11.81	575795	5.0
Mesitylene	11.09	1.8	ug/L	206315	3	11.81	575795	5.0
Benzene, 1-ethyl-...	11.29	2.0	ug/L	234766	3	11.81	575795	5.0
Benzene, 1,2,3-tr...	11.46	6.0	ug/L	687746	3	11.81	575795	5.0
Benzene, 1,2,4-tr...	11.89	3.7	ug/L	426786	3	11.81	575795	5.0
Indane	12.09	3.6	ug/L	417686	3	11.81	575795	5.0