LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

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\SOMUTR083120WMA.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	2.391	315	327	344	rBV	2748011	4263761	3.91%	1.140%
2	4.028	809	836	872	rBV	4318053	11323533	10.39%	3.028%
3	4.533	976	993	1030	rVB	1119330	2819712	2.59%	0.754%
4	5.796	1351	1386	1413	rBV2	43063551	94447984	86.67%	25.256%
5	7.992	2050	2069	2097	rBV3	53003200	108971081	100.00%	29.139%
6	9.455	2501	2524	2549	rBV	25312987	42403946	38.91%	11.339%
7	9.574	2549	2561	2584	rVB	8833866	14421444	13.23%	3.856%
8	9.700	2584	2600	2614	rBV	21628854	35846014	32.89%	9.585%
9	10.102	2711	2725	2751	rVB	9869391	15819603	14.52%	4.230%
10	10.484	2828	2844	2857	rBV	5133157	8059280	7.40%	2.155%
11	10.899	2955	2973	2989	rBV	2105777	3960855	3.63%	1.059%
12	10.989	2989	3001	3008	rBV3	1333954	2488136	2.28%	0.665%
13	11.086	3022	3031	3044	rVB2	817053	1284091	1.18%	0.343%
14	11.288	3083	3094	3116	rVB	1806542	2919732	2.68%	0.781%
15	11.462	3139	3148	3168	rVB	3554618	5594164	5.13%	1.496%
16	11.828	3242	3262	3271	rBV3	788565	1900416	1.74%	0.508%
17	11.886	3271	3280	3293	rVB	2593365	4124416	3.78%	1.103%
18	12.089	3328	3343	3360	rVB2	2763765	4451102	4.08%	1.190%
19	12.182	3360	3372	3376	rBV4	769405	1372758	1.26%	0.367%
20	12.475	3446	3463	3473	rBV2	705854	1628212	1.49%	0.435%
21	12.851	3573	3580	3599	rVB	2232031	3485665	3.20%	0.932%
22	13.442	3754	3764	3779	rVB4	636426	1196807	1.10%	0.320%
23	16.870	4818	4830	4842	rBV	793721	1185032	1.09%	0.317%

Sum of corrected areas: 373967744

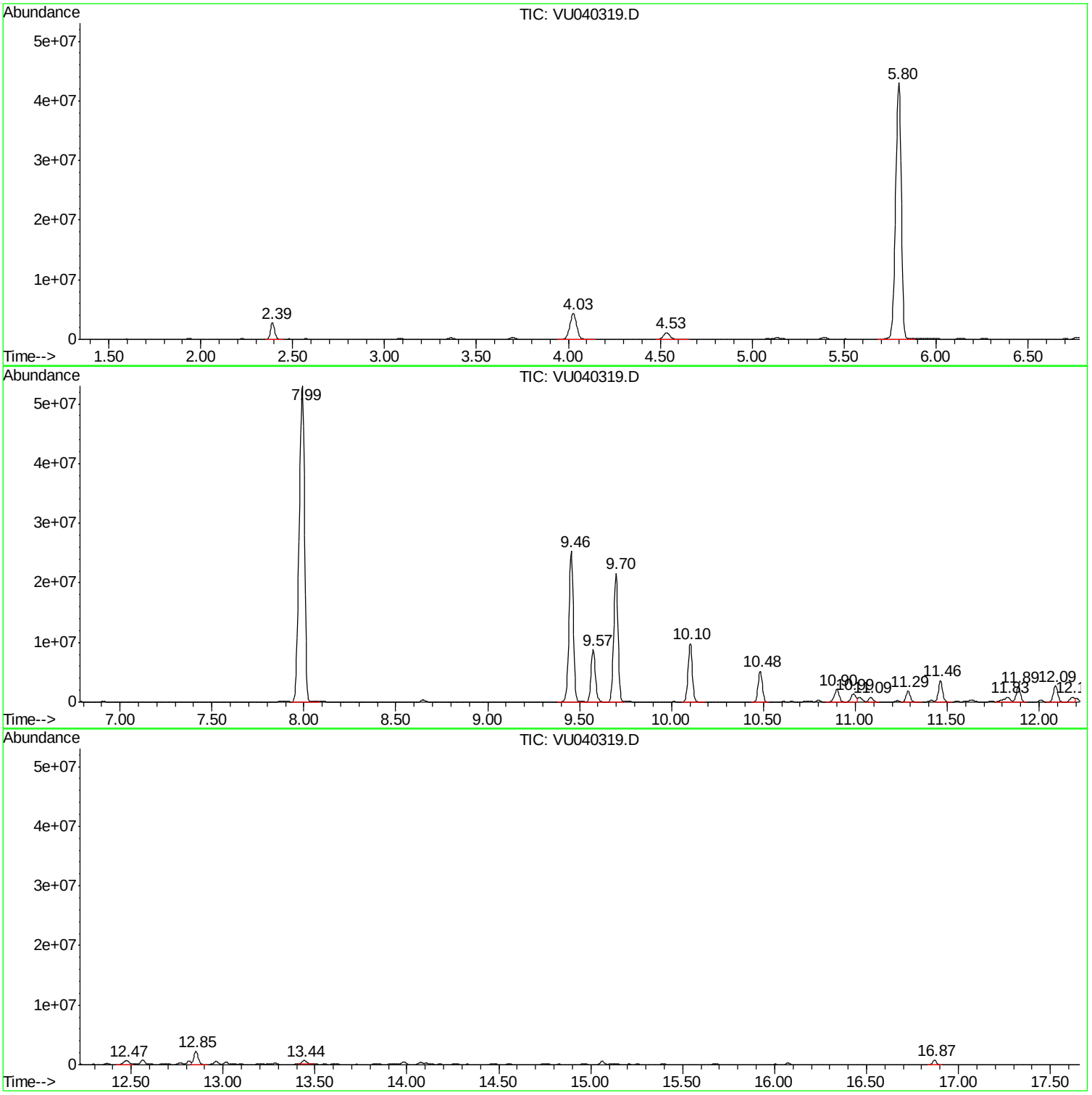
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.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\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

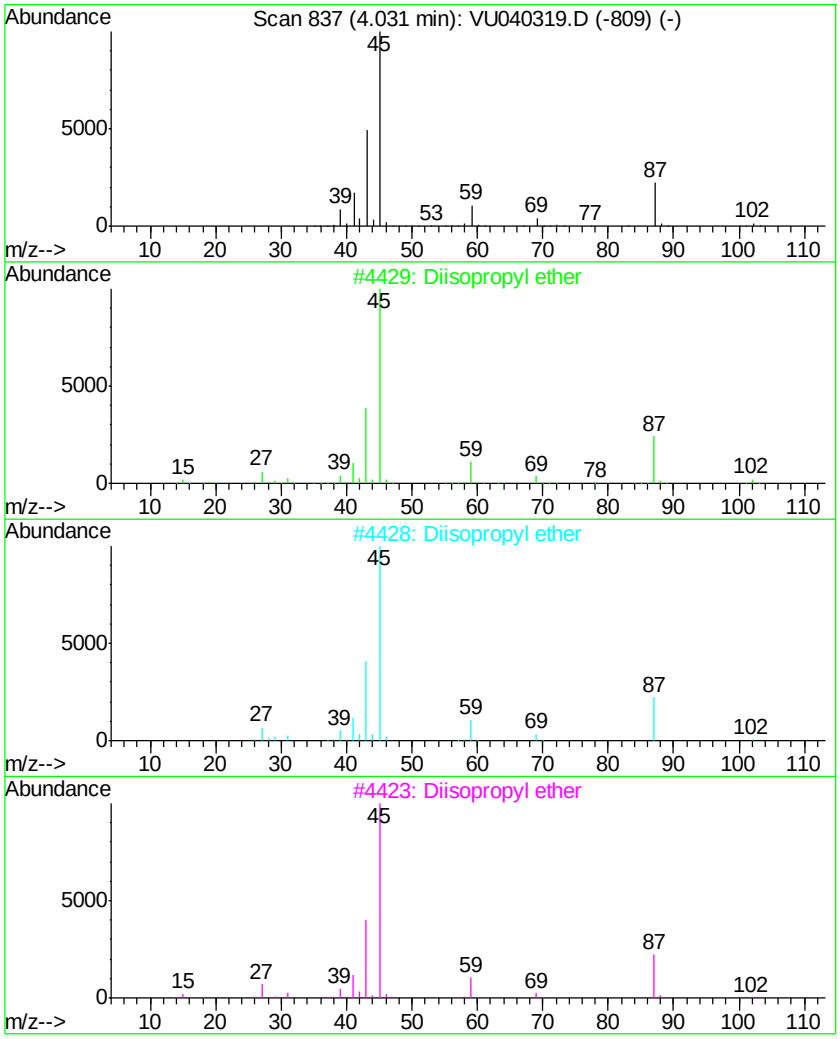
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

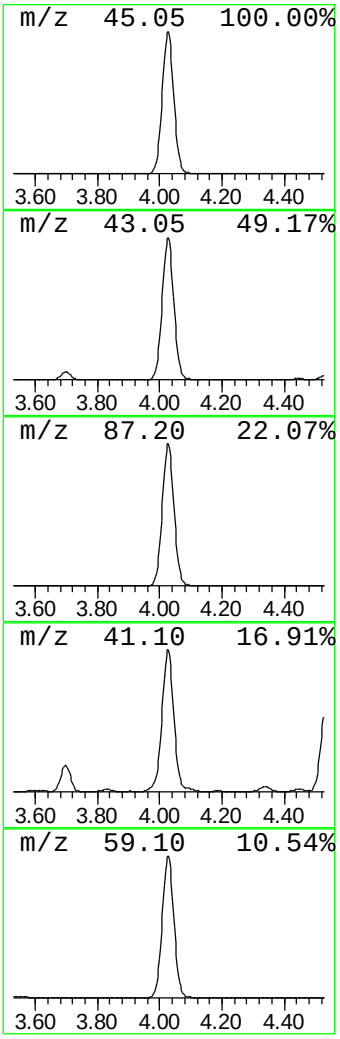
****

Peak Number 1 Diisopropyl ether Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	0.60 ug/L	11323500	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	78
5	Acetoin	88	C4H8O2	000513-86-0	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

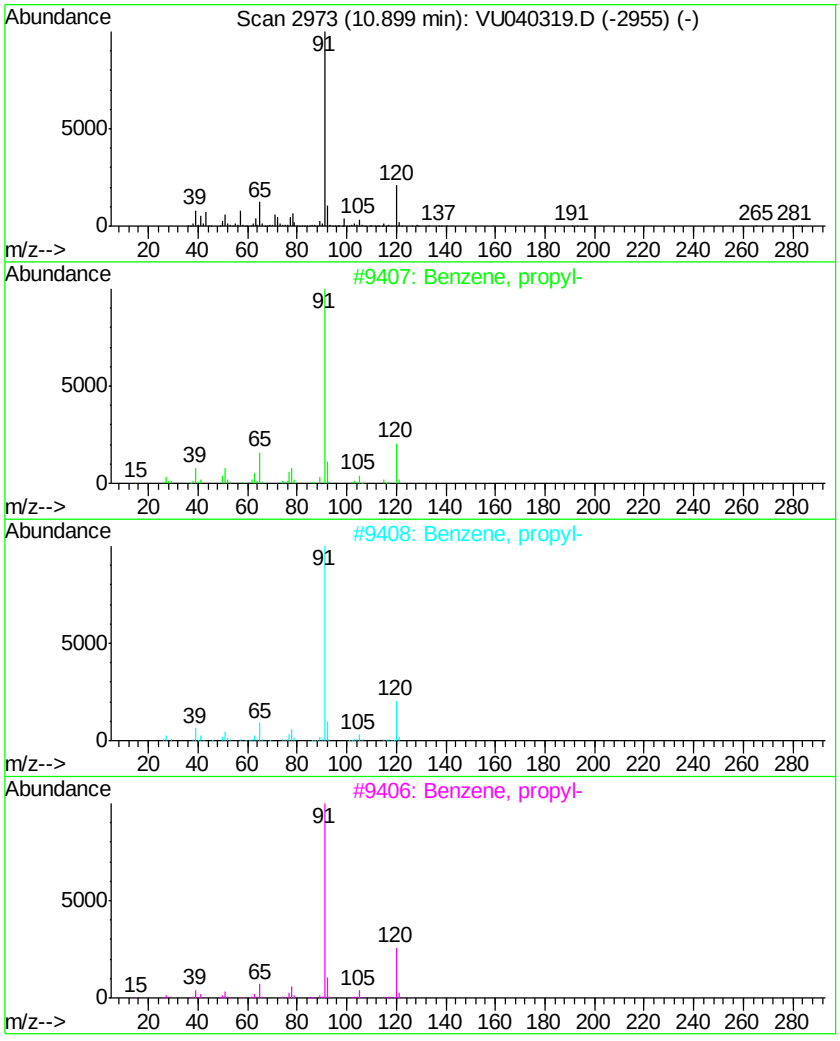
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

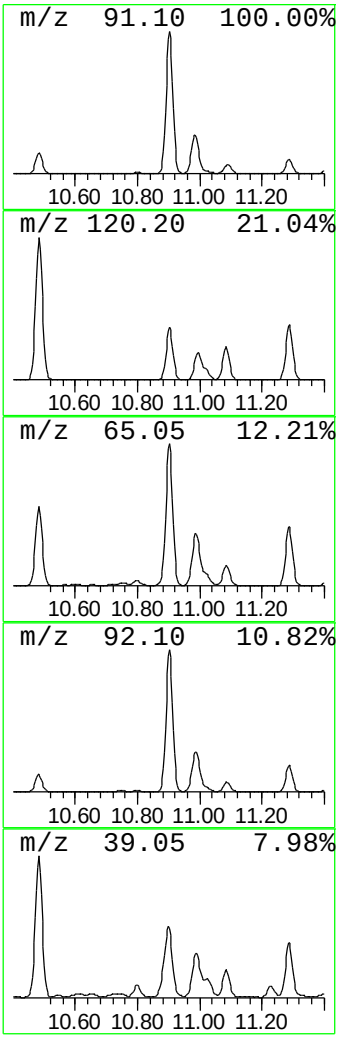
****

Peak Number 2 Benzene, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	10.42 ug/L	3960860	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	81
3	Benzene, propyl-	120	C9H12	000103-65-1	74
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

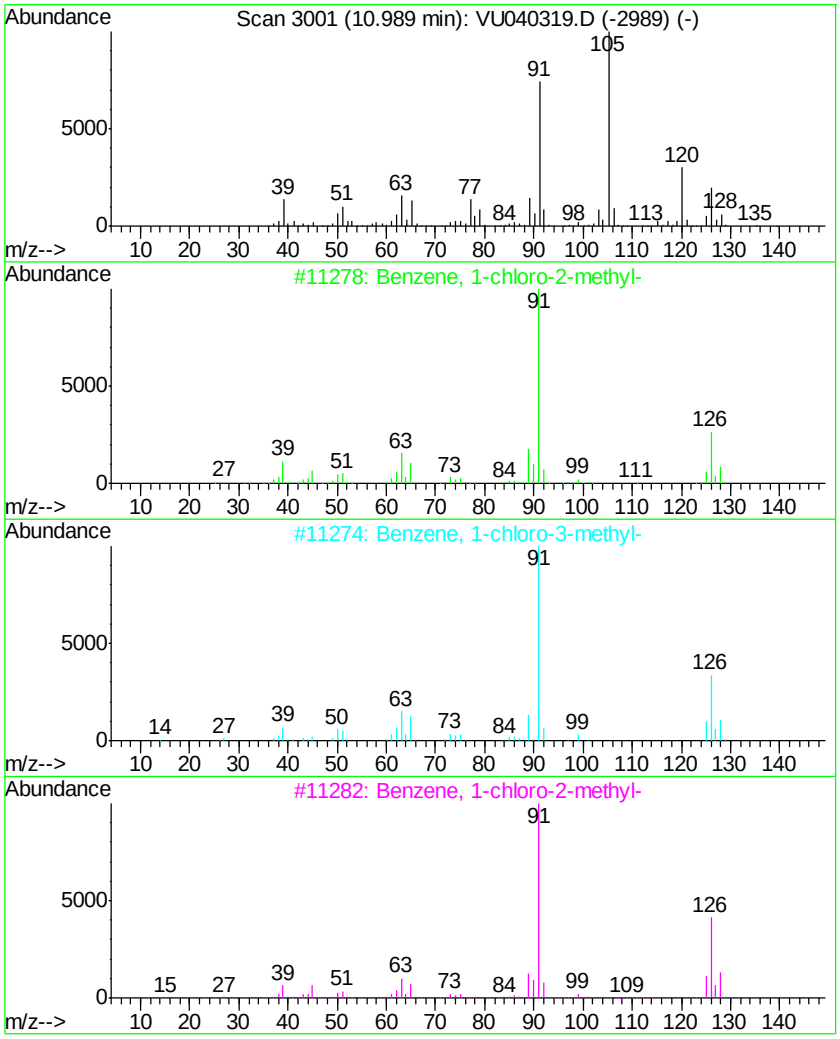
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

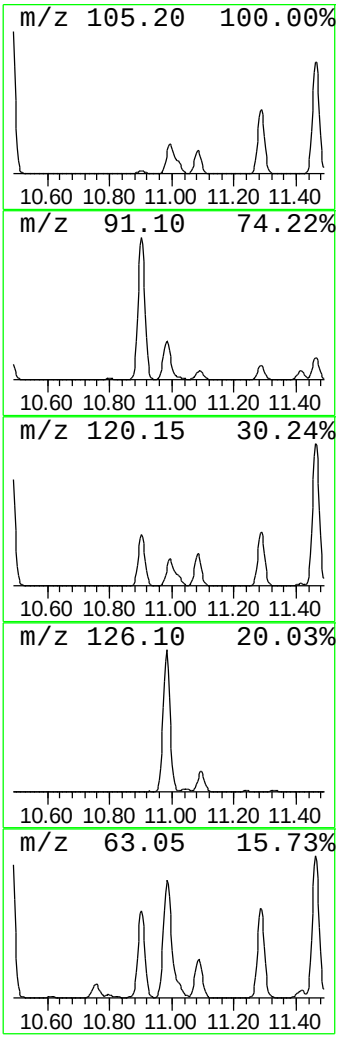
****

Peak Number 3 Benzene, 1-chloro-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	6.55 ug/L	2488140	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	89
2	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	89
3	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	87
4	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	87
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

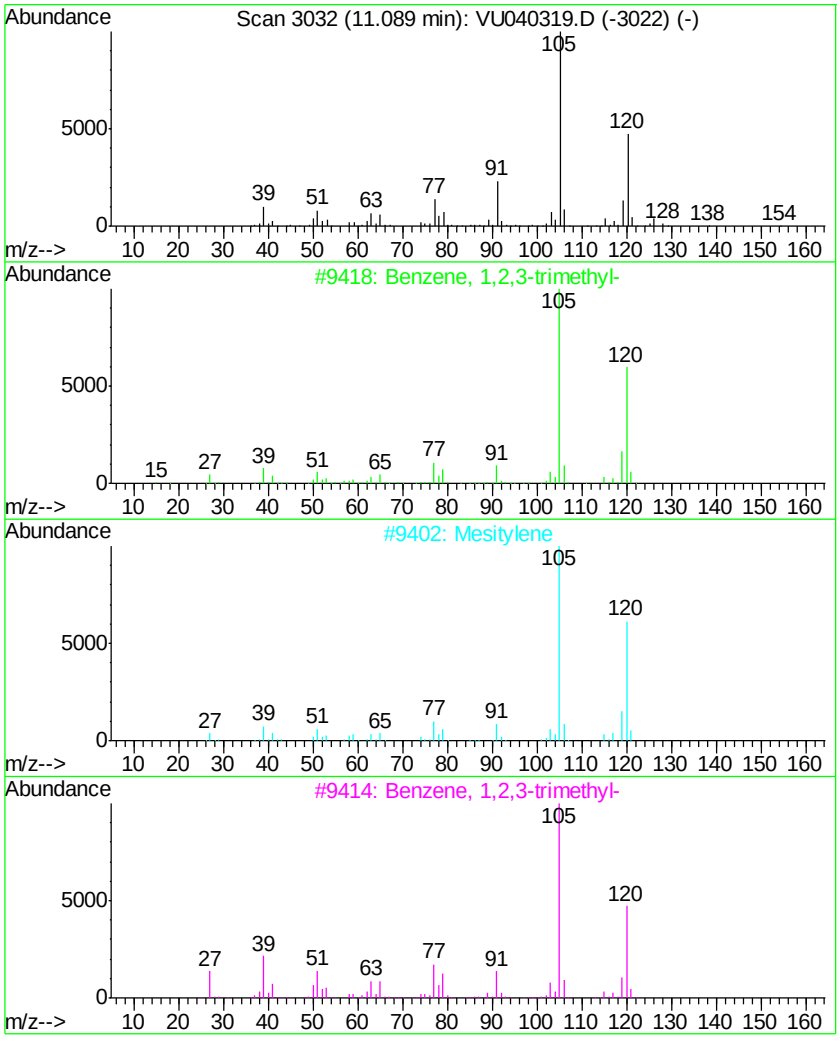
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

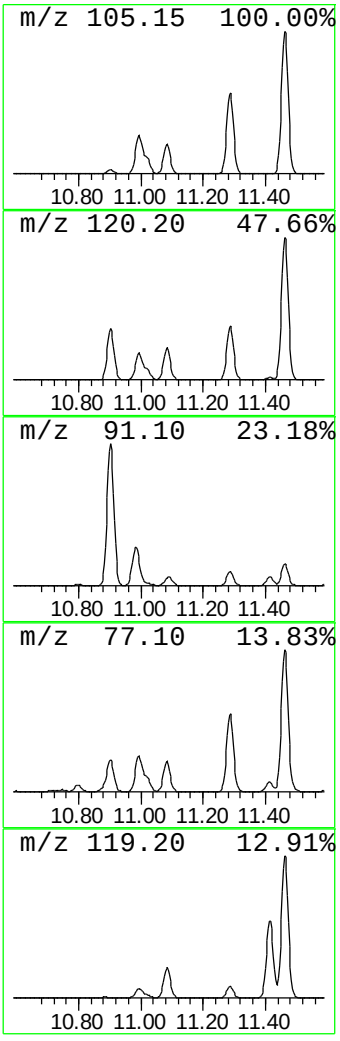
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	3.38 ug/L	1284090	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	95
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

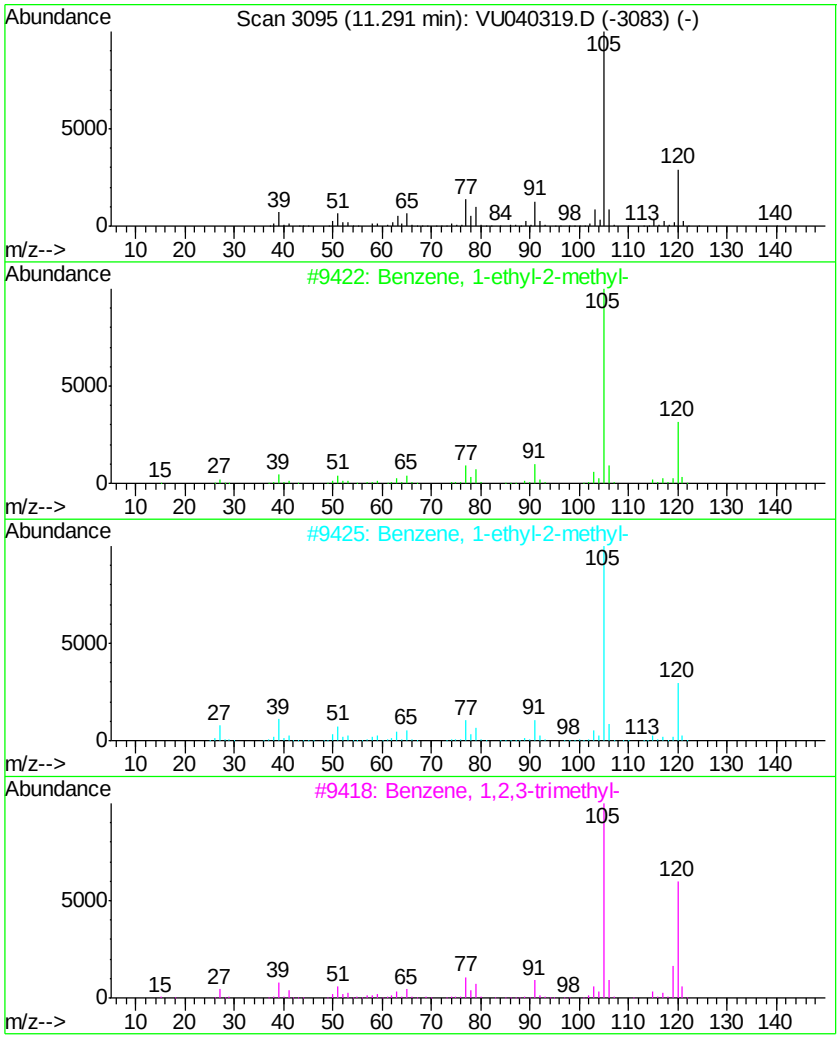
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

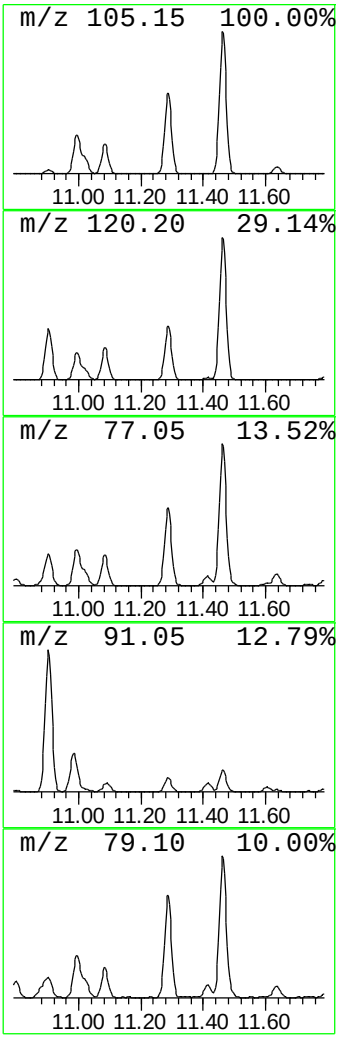
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	7.68 ug/L	2919730	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	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\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

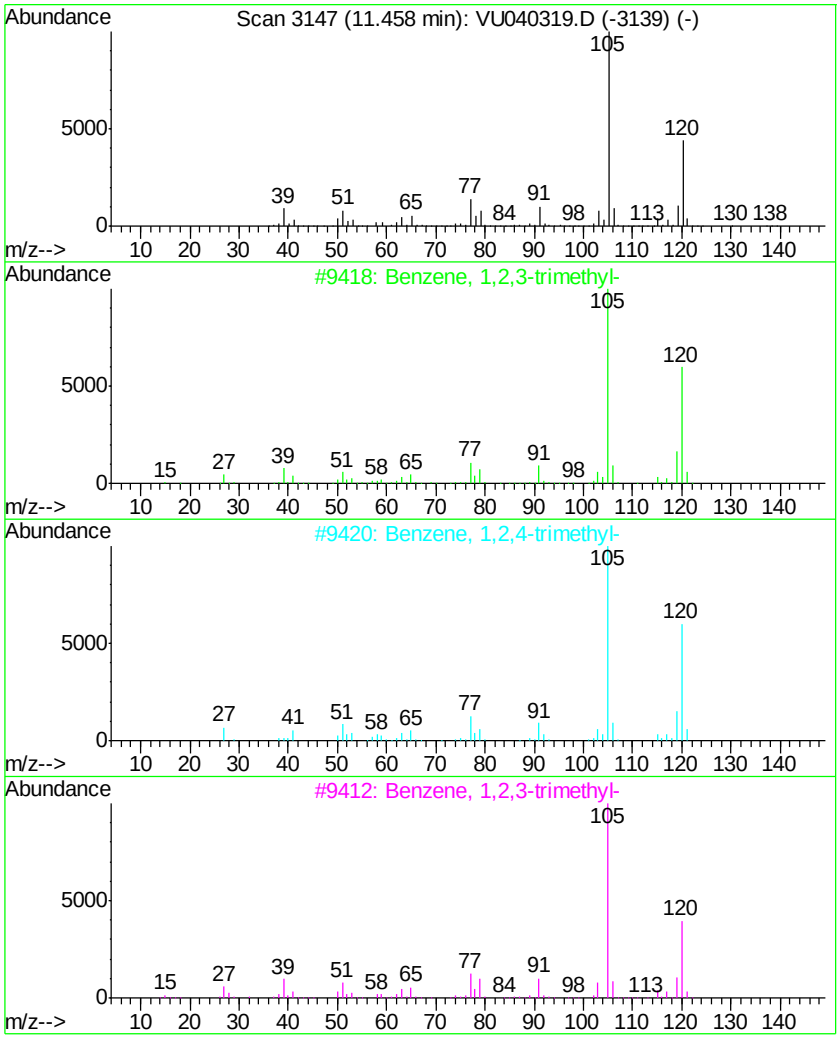
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

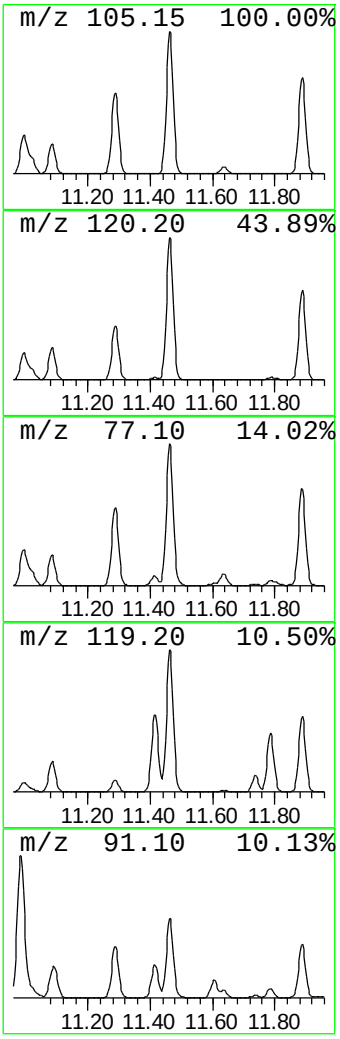
****

Peak Number 6 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	14.72 ug/L	5594160	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	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

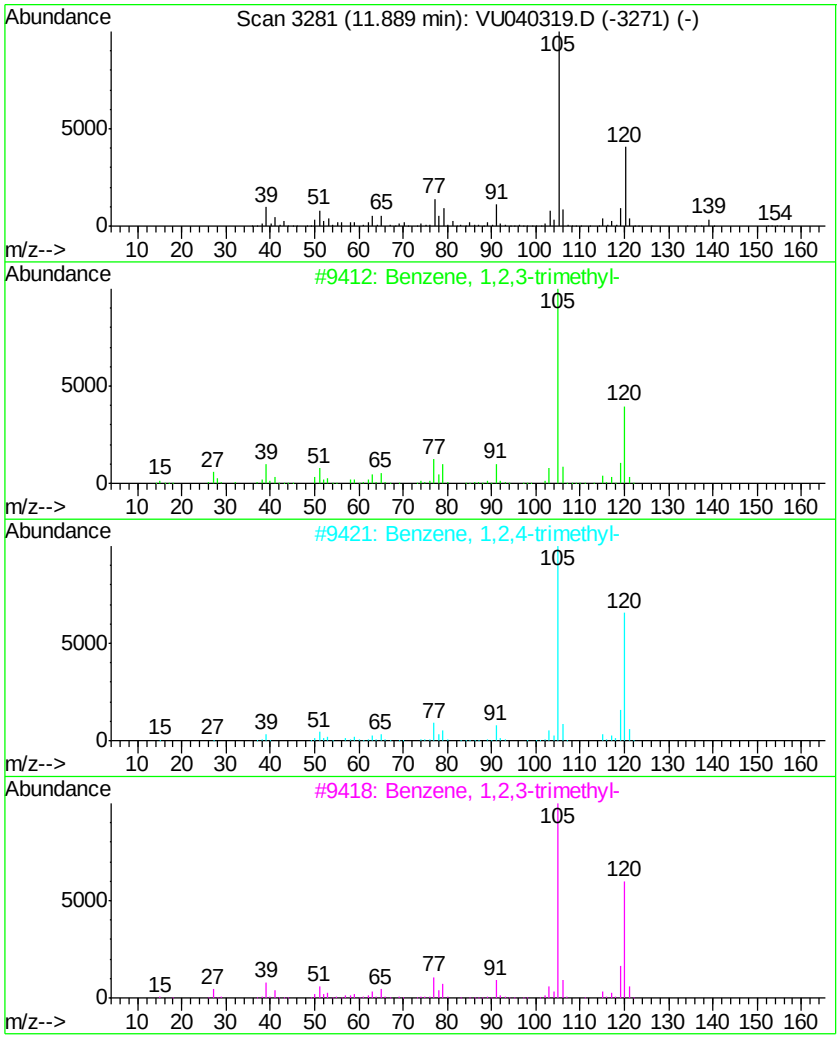
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

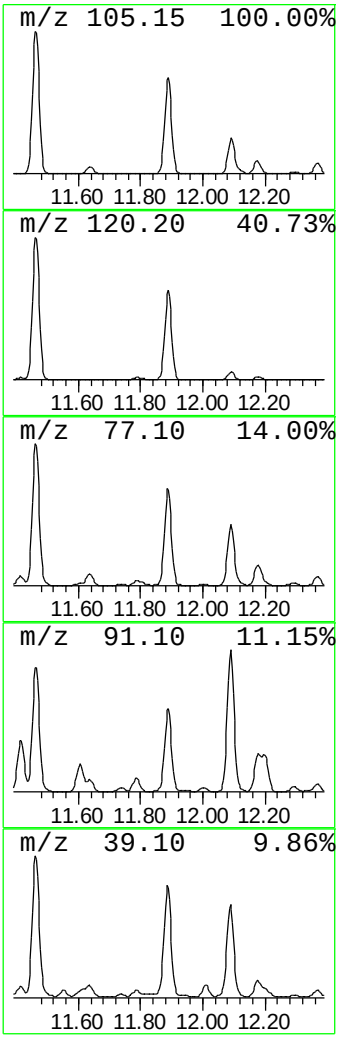
****

Peak Number 7 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	10.85 ug/L	4124420	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	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





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Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

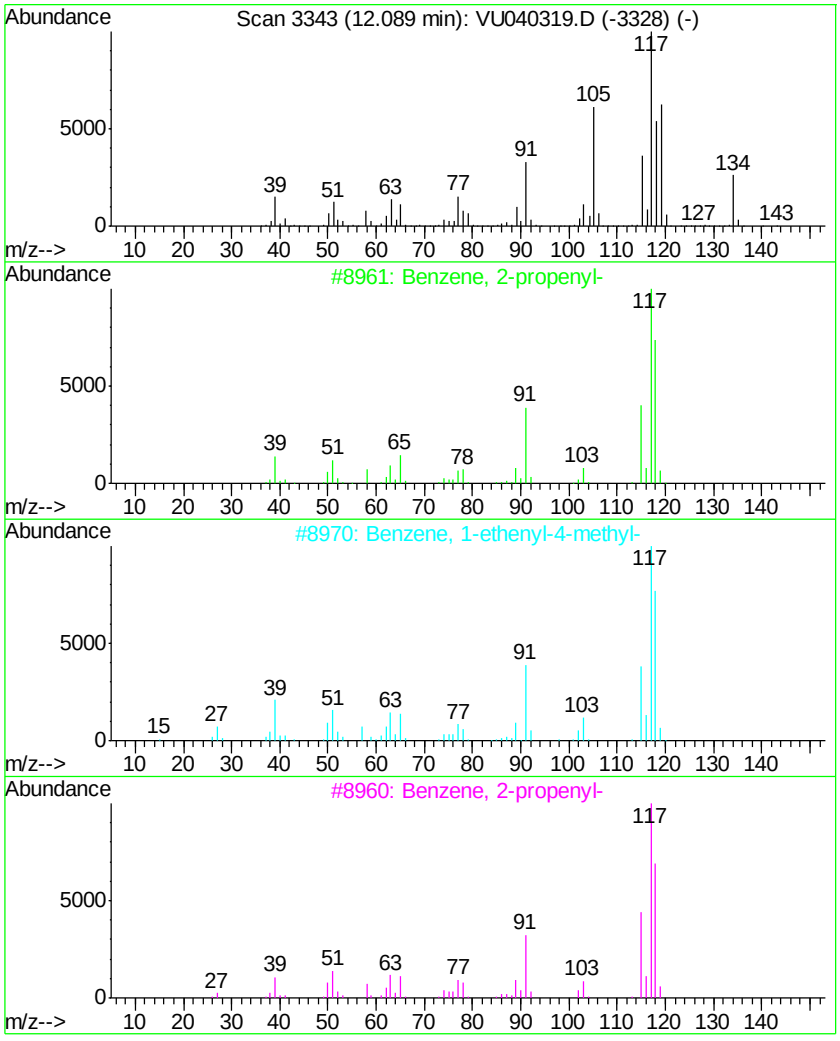
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

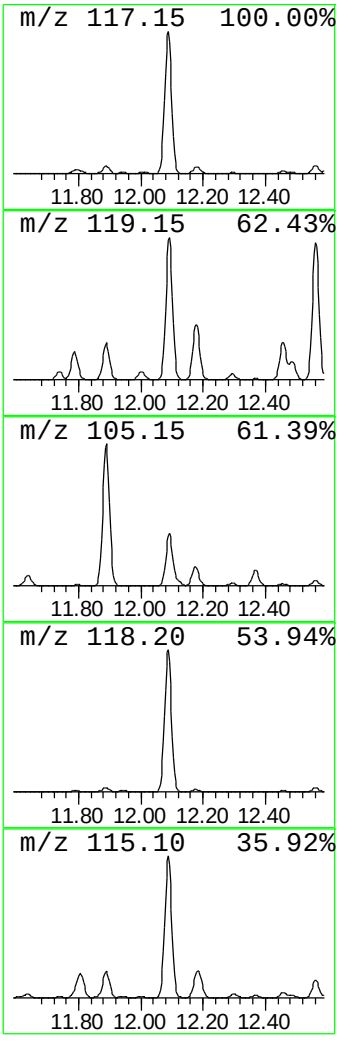
****

Peak Number 8 Benzene, 2-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	11.71 ug/L	4451100	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	91
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	86
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	78
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
5	Deltacyclene	118	C9H10	007785-10-6	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

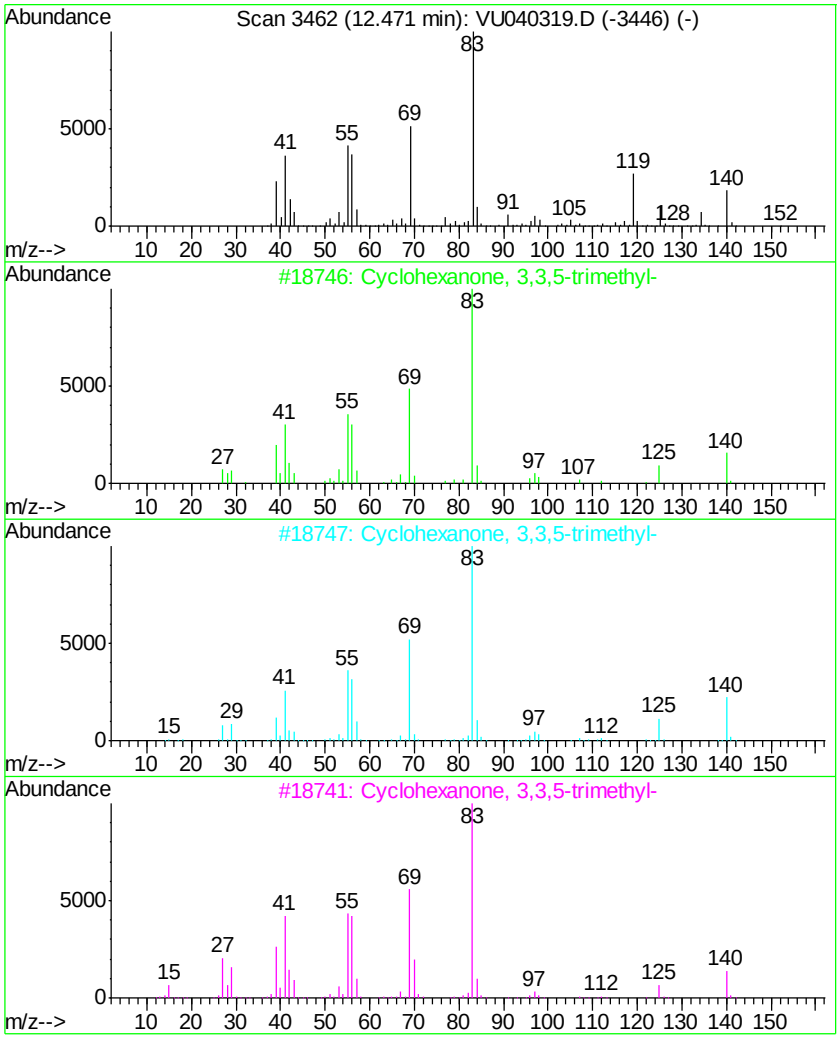
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

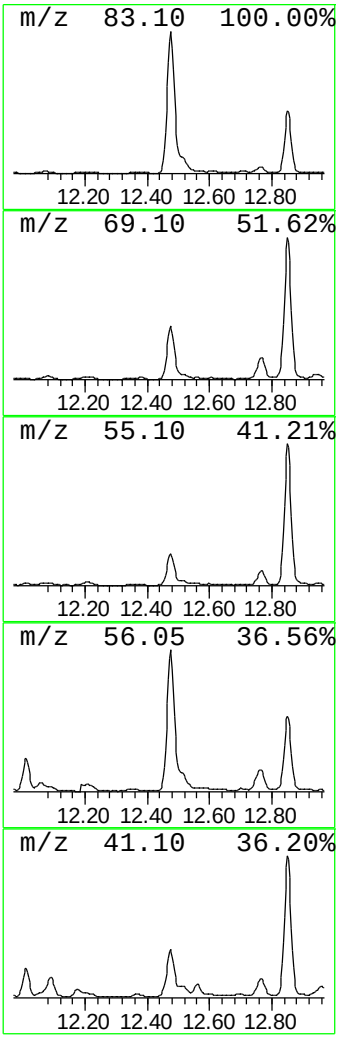
****

Peak Number 9 Cyclohexanone, 3,3,5-trimet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.28 ug/L	1628210	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	95
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	93
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	87
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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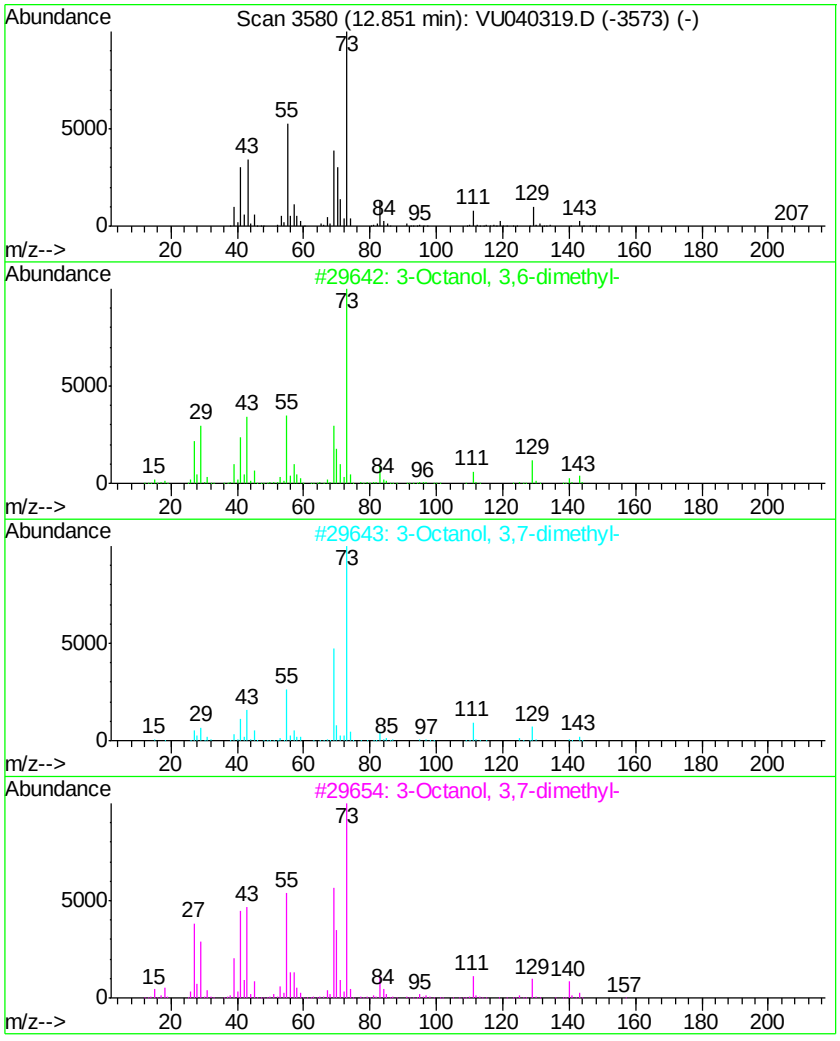
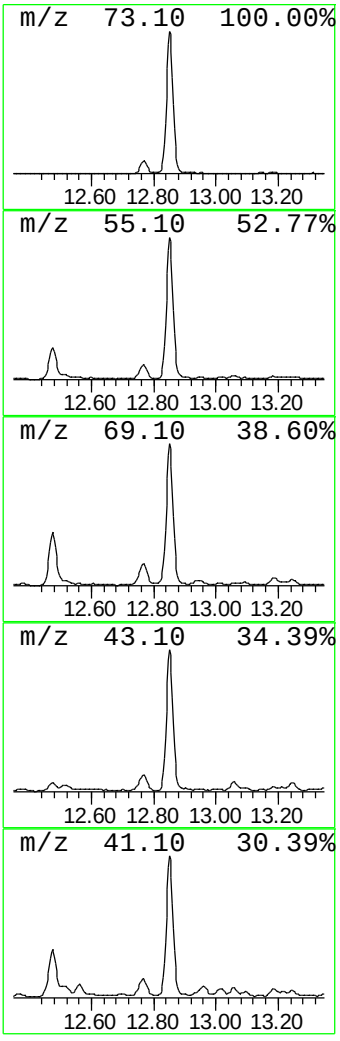
Peak Number 10 3-Octanol, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	9.17 ug/L	3485670	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	53
2	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	47
3	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	45
4	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	42
5	3-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	007278-65-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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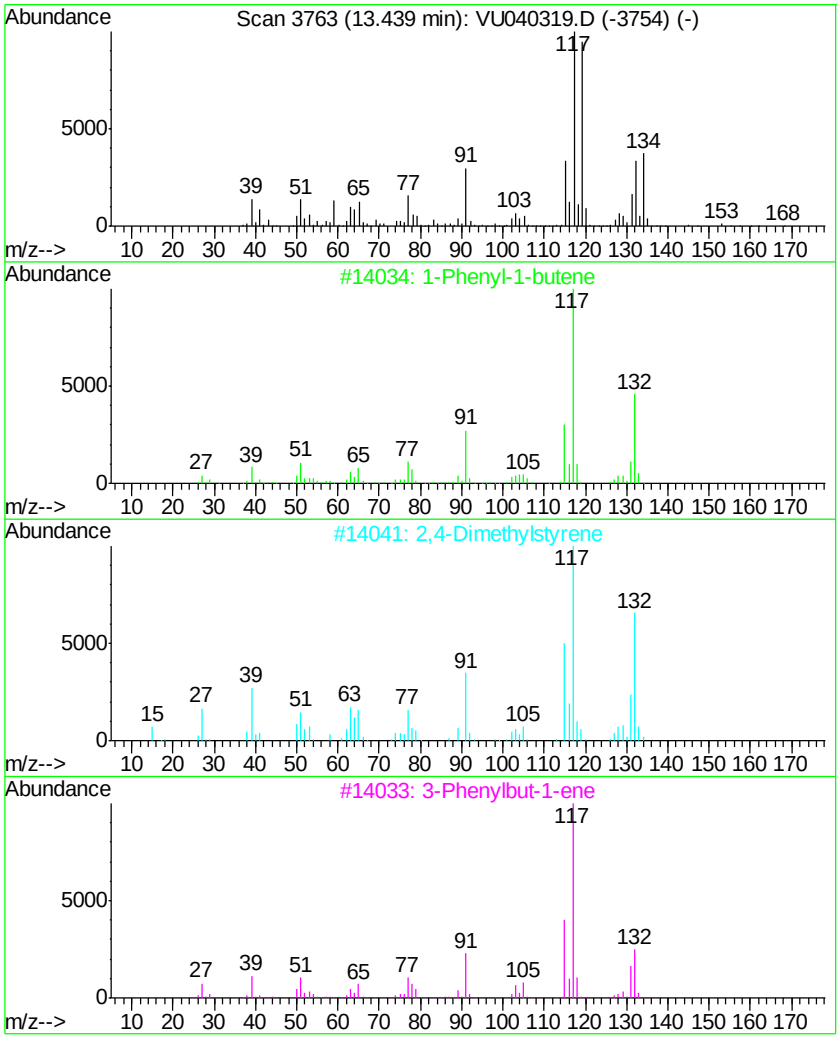
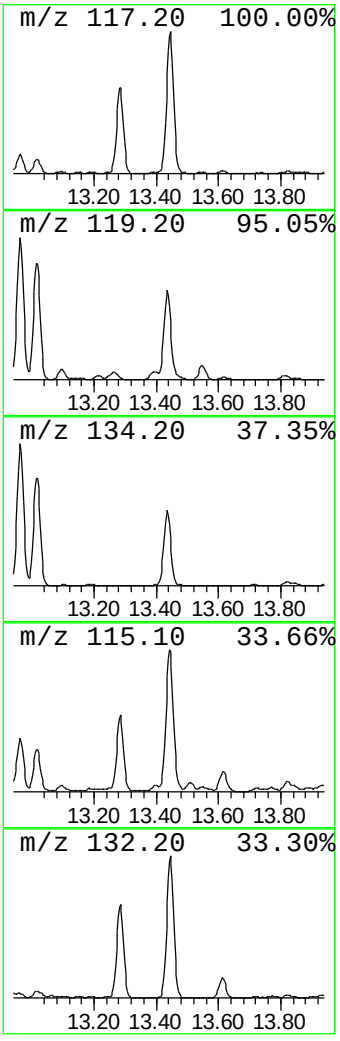
Peak Number 11 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	3.15 ug/L	1196810	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	96
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	92
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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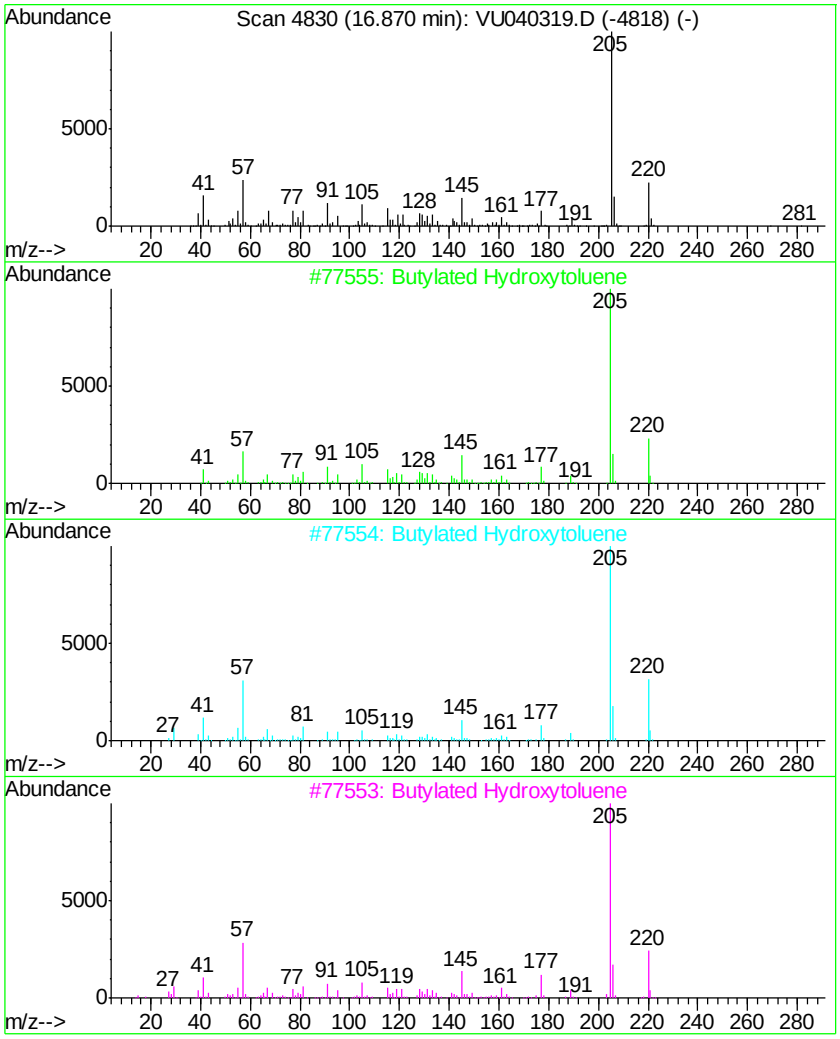
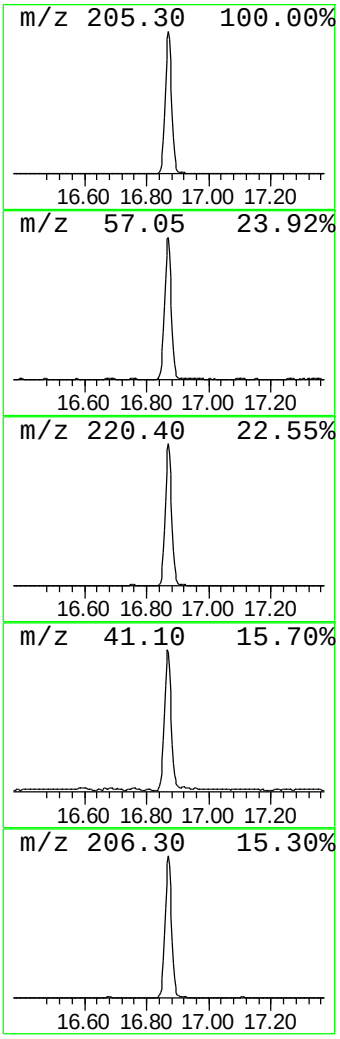
Peak Number 12 Butylated Hydroxytoluene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	3.12 ug/L	1185030	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	98
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	97
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
5	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040319.D
Acq On : 25 Sep 2020 22:53
Operator : SY/MD
Sample : L4139-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.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
Diisopropyl ether	4.03	0.6	ug/L	11323500	1	6.26	94448000	5.0
Benzene, propyl-	10.90	10.4	ug/L	3960860	3	11.81	1900420	5.0
Benzene, 1-chloro...	10.99	6.5	ug/L	2488140	3	11.81	1900420	5.0
Benzene, 1,2,3-tr...	11.09	3.4	ug/L	1284090	3	11.81	1900420	5.0
Benzene, 1-ethyl-...	11.29	7.7	ug/L	2919730	3	11.81	1900420	5.0
Benzene, 1,2,4-tr...	11.46	14.7	ug/L	5594160	3	11.81	1900420	5.0
unknown-01	11.89	10.9	ug/L	4124420	3	11.81	1900420	5.0
Benzene, 2-propenyl-	12.09	11.7	ug/L	4451100	3	11.81	1900420	5.0
Cyclohexanone, 3,...	12.47	4.3	ug/L	1628210	3	11.81	1900420	5.0
3-Octanol, 3,6-di...	12.85	9.2	ug/L	3485670	3	11.81	1900420	5.0
1-Phenyl-1-butene	13.44	3.1	ug/L	1196810	3	11.81	1900420	5.0
Butylated Hydroxy...	16.87	3.1	ug/L	1185030	3	11.81	1900420	5.0