LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

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\SOMUTR070720WMA.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	72	83	93	rVB	39074	49100	6.80%	0.685%
2	1.925	174	182	200	rVB2	42214	70338	9.75%	0.981%
3	2.388	314	326	347	rVB	136085	212761	29.48%	2.968%
4	2.581	372	386	400	rBV	62145	106000	14.69%	1.479%
5	3.382	620	635	652	rBV2	25715	56548	7.83%	0.789%
6	3.874	773	788	812	rBV	31096	76024	10.53%	1.061%
7	4.015	812	832	858	rBV2	277738	721737	100.00%	10.068%
8	4.655	1015	1031	1064	rBV2	76874	242449	33.59%	3.382%
9	5.086	1149	1165	1190	rBV	85252	206069	28.55%	2.875%
10	5.742	1348	1369	1376	rBV3	133107	352102	48.79%	4.912%
11	5.793	1377	1385	1400	rVB	227160	448515	62.14%	6.257%
12	6.263	1516	1531	1551	rBV	123220	234374	32.47%	3.269%
13	6.520	1602	1611	1623	rBV3	3387	8009	1.11%	0.112%
14	6.706	1652	1669	1687	rVB	89514	176366	24.44%	2.460%
15	7.575	1926	1939	1951	rBV2	48993	88131	12.21%	1.229%
16	7.687	1964	1974	1984	rBV2	8384	15352	2.13%	0.214%
17	7.906	2023	2042	2057	rBV	155113	269643	37.36%	3.761%
18	7.976	2057	2064	2073	rVB2	10720	16330	2.26%	0.228%
19	8.185	2119	2129	2140	rBV2	31515	53752	7.45%	0.750%
20	8.642	2256	2271	2302	rBV	325476	593876	82.28%	8.284%
21	9.279	2461	2469	2479	rVB3	5810	9104	1.26%	0.127%
22	9.423	2501	2514	2518	rBV	185078	309783	42.92%	4.321%
23	9.574	2549	2561	2585	rVB2	76500	148618	20.59%	2.073%
24	9.693	2588	2598	2611	rBV3	13683	22584	3.13%	0.315%
25	9.764	2611	2620	2638	rVB5	4990	8599	1.19%	0.120%
26	10.102	2713	2725	2748	rVB	359991	570479	79.04%	7.958%
27	10.484	2829	2844	2856	rBV	78612	125766	17.43%	1.754%
28	10.758	2907	2929	2938	rBV	86640	147363	20.42%	2.056%
29	10.800	2938	2942	2952	rVB5	11951	16233	2.25%	0.226%
30	10.902	2958	2974	2991	rBV2	46526	91325	12.65%	1.274%
31	10.996	2991	3003	3008	rBV4	17956	31287	4.33%	0.436%
32	11.288	3083	3094	3109	rVB	86068	133389	18.48%	1.861%
33	11.465	3138	3149	3163	rVB	106452	167087	23.15%	2.331%
34	11.639	3198	3203	3214	rVB4	6843	9553	1.32%	0.133%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

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\SOMUTR070720WMA.M
Title : TRACE VOA SOM01.0

35	11.742	3223	3235	3243	rBV5	8629	12762	1.77%	0.178%
36	11.809	3243	3256	3271	rVV2	194984	365793	50.68%	5.103%
37	11.890	3271	3281	3293	rVB	153914	247307	34.27%	3.450%
38	12.012	3310	3319	3326	rBV3	6217	9175	1.27%	0.128%
39	12.089	3326	3343	3362	rVV2	96364	185505	25.70%	2.588%
40	12.189	3362	3374	3394	rVB2	202903	361815	50.13%	5.047%
41	12.369	3421	3430	3440	rVB	8224	11980	1.66%	0.167%
42	12.459	3447	3458	3463	rBV2	11551	18530	2.57%	0.258%
43	12.565	3481	3491	3500	rBV	31731	46096	6.39%	0.643%
44	12.677	3516	3526	3542	rBV6	5420	11292	1.56%	0.158%
45	12.867	3577	3585	3594	rVB5	7101	11736	1.63%	0.164%
46	12.963	3601	3615	3623	rBV3	13832	21030	2.91%	0.293%
47	13.015	3623	3631	3641	rVB2	10796	16036	2.22%	0.224%
48	13.285	3707	3715	3724	rVB4	5839	8571	1.19%	0.120%
49	13.442	3753	3764	3778	rVB5	16595	28750	3.98%	0.401%
50	14.079	3952	3962	3975	rVB4	8665	14497	2.01%	0.202%
51	14.758	4160	4173	4184	rBV8	4459	9149	1.27%	0.128%

Sum of corrected areas: 7168670

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
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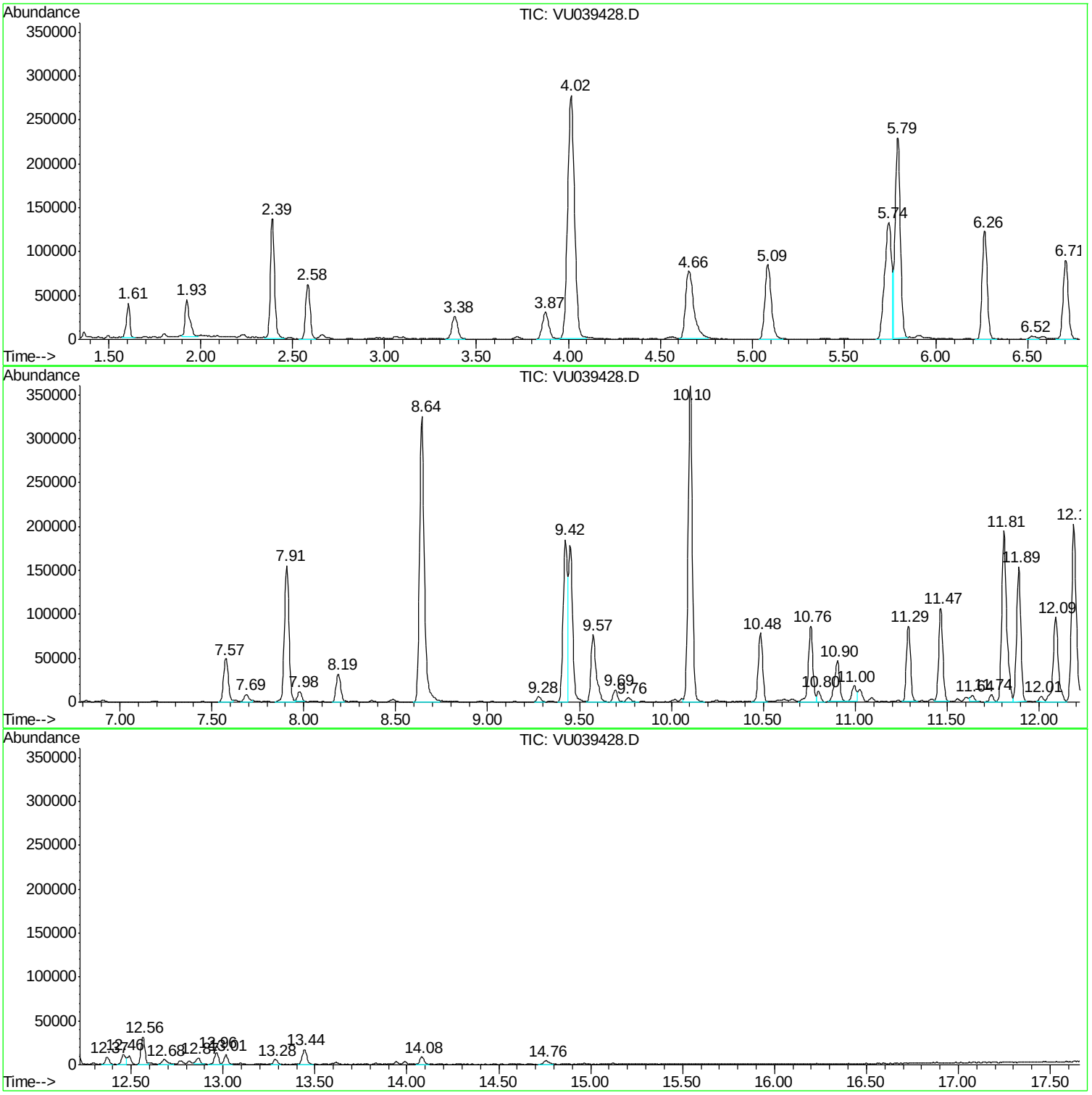
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.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\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

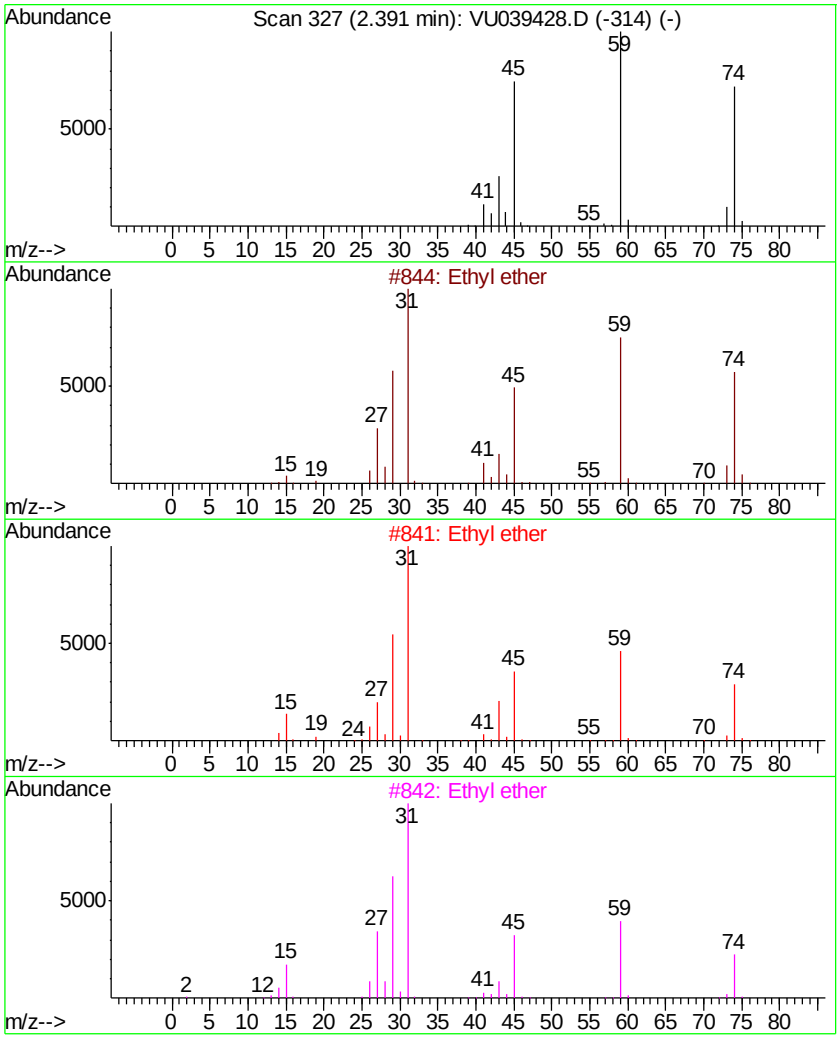
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

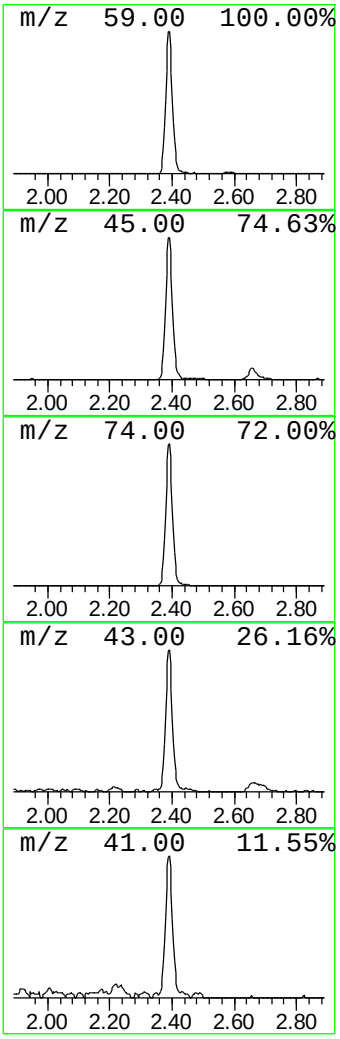
****

Peak Number 1 Ethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	4.54 ug/L	212761	1,4-Difluorobenzene	6.27

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	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethyl ether	74	C4H10O	000060-29-7	90
5	Ethyl ether	74	C4H10O	000060-29-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

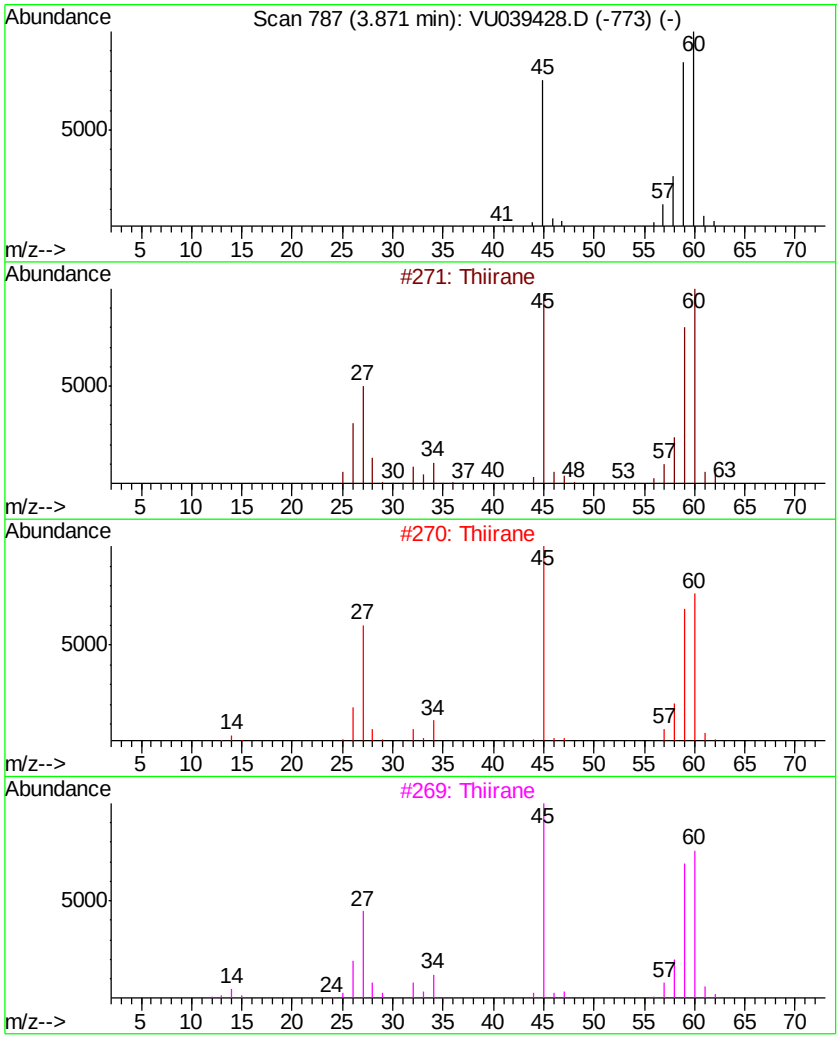
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

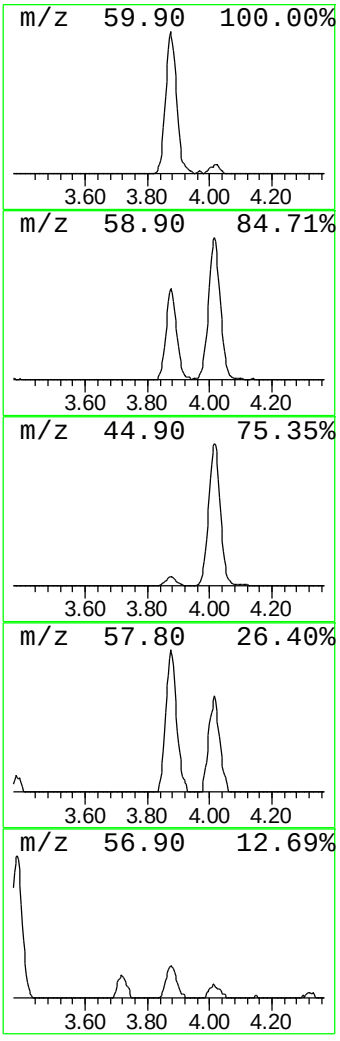
****

Peak Number 2 Thiirane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	1.62 ug/L	76024	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiirane	60	C2H4S	000420-12-2	90
2	Thiirane	60	C2H4S	000420-12-2	52
3	Thiirane	60	C2H4S	000420-12-2	52
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	9
5	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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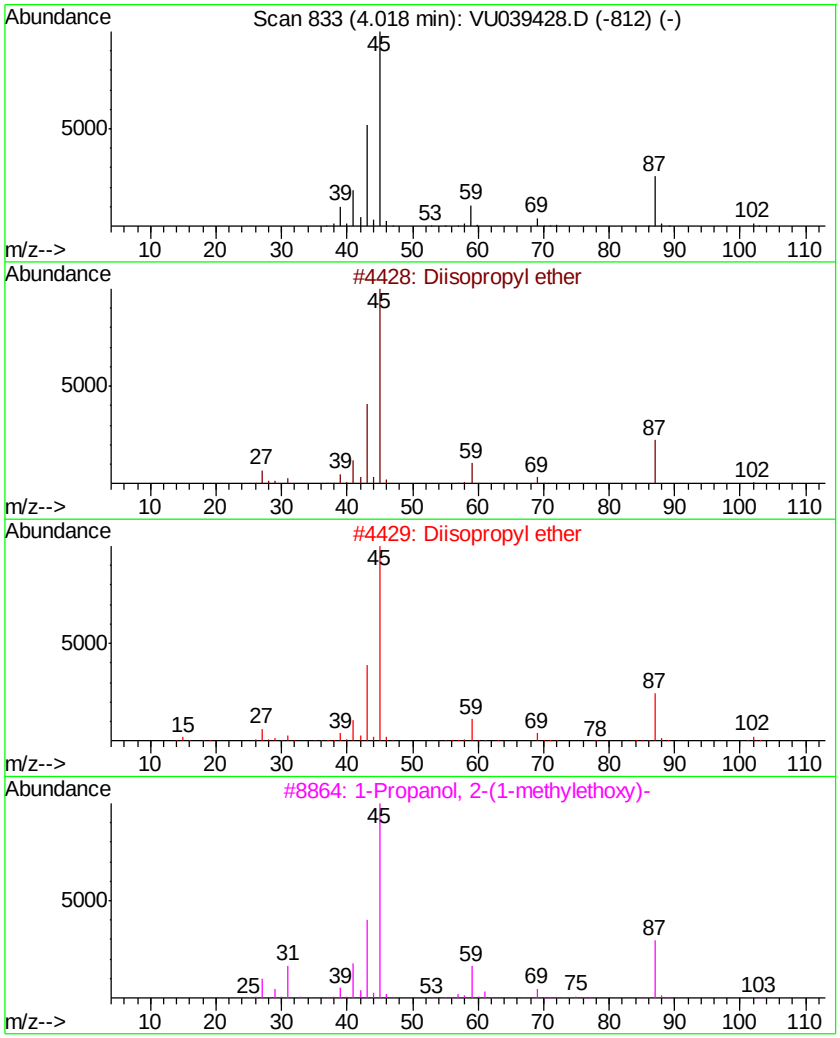
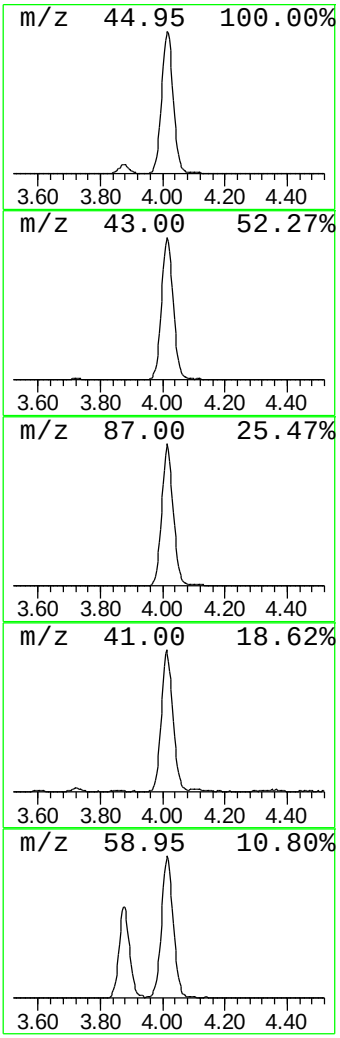
Peak Number 3 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	15.40 ug/L	721737	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	83
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78
4	Diisopropyl ether	102	C6H14O	000108-20-3	74
5	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

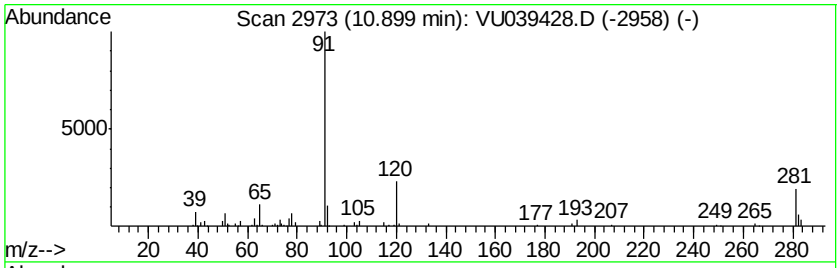
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

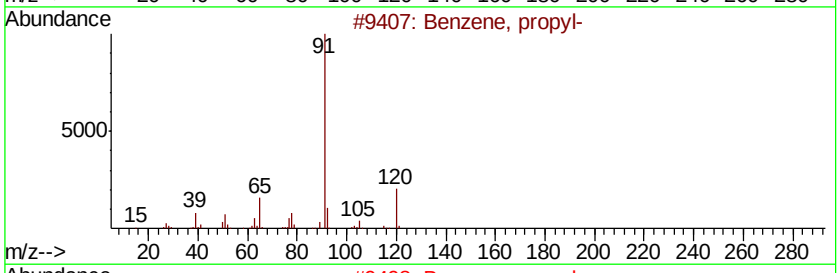
****

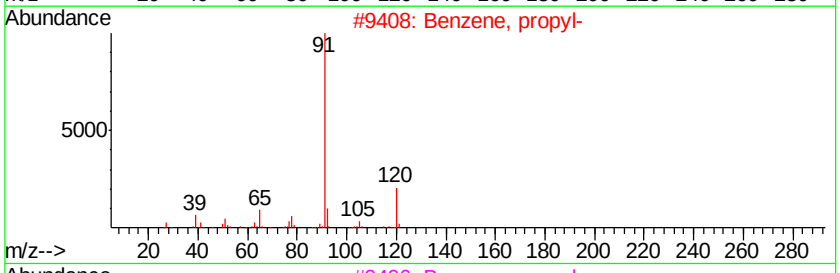
Peak Number 5 Benzene, propyl- Concentration Rank 9

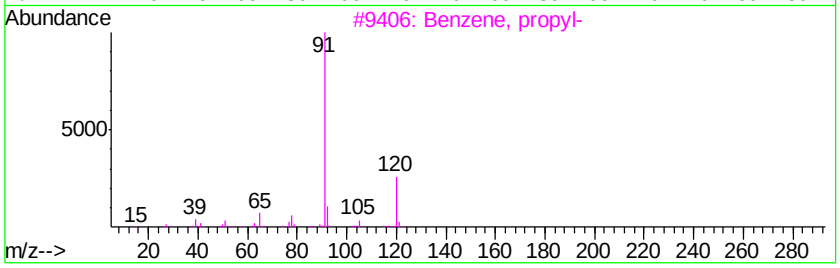
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	1.25 ug/L	91325	1,4-Dichlorobenzene-d4	11.81

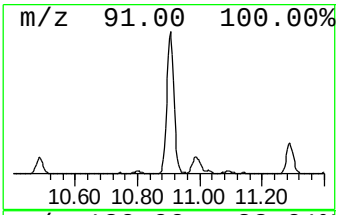
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	70
2	Benzene, propyl-	120	C9H12	000103-65-1	70
3	Benzene, propyl-	120	C9H12	000103-65-1	58
4	n-Butylbenzylamine	163	C11H17N	002403-22-7	53
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	53

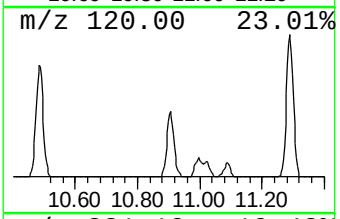


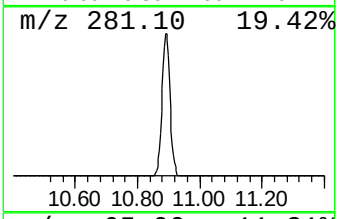


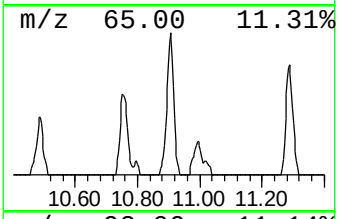


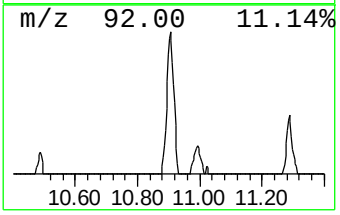












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

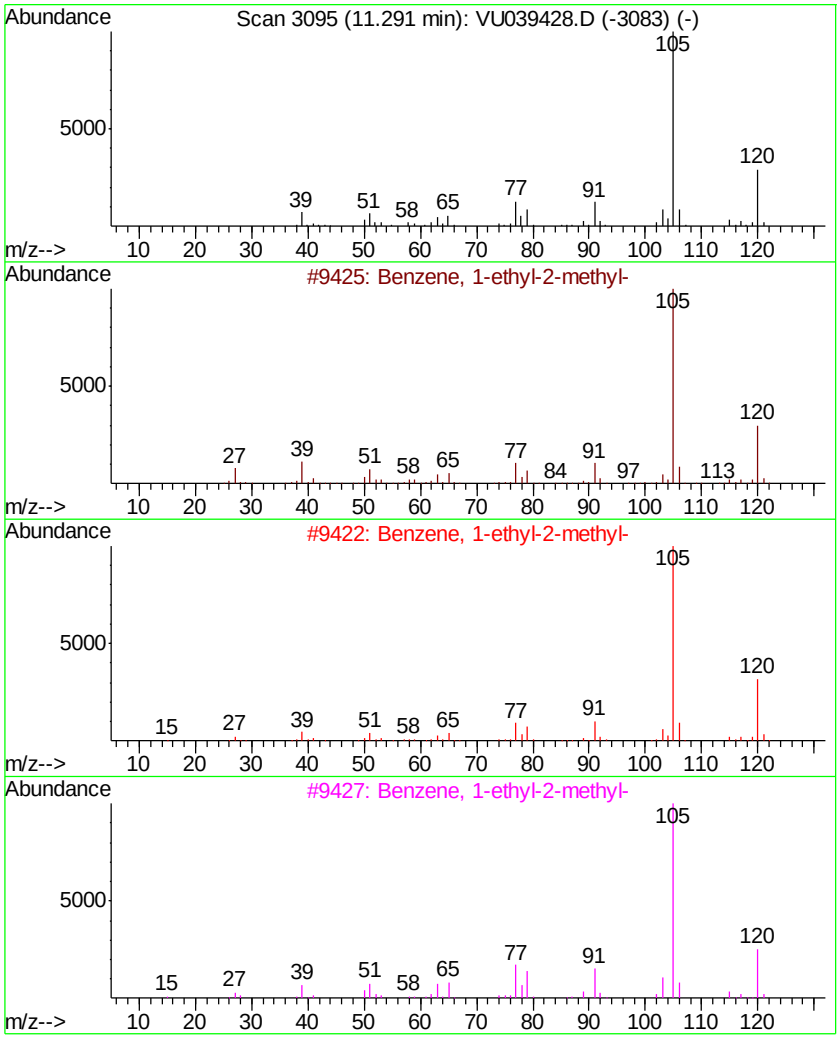
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

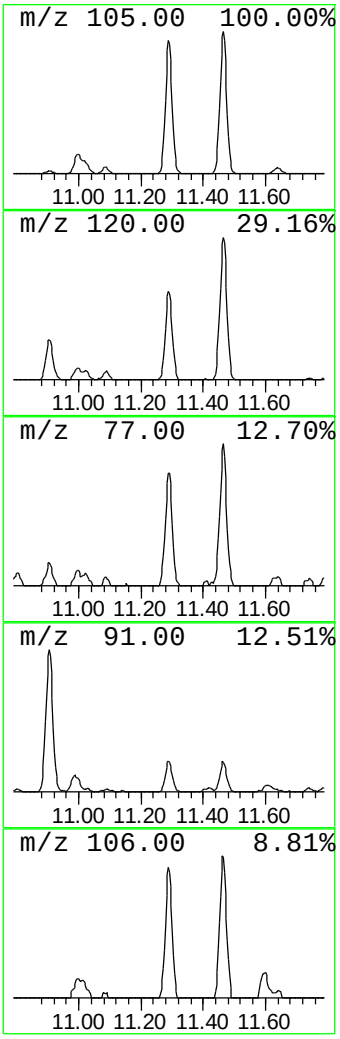
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	1.82 ug/L	133389	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

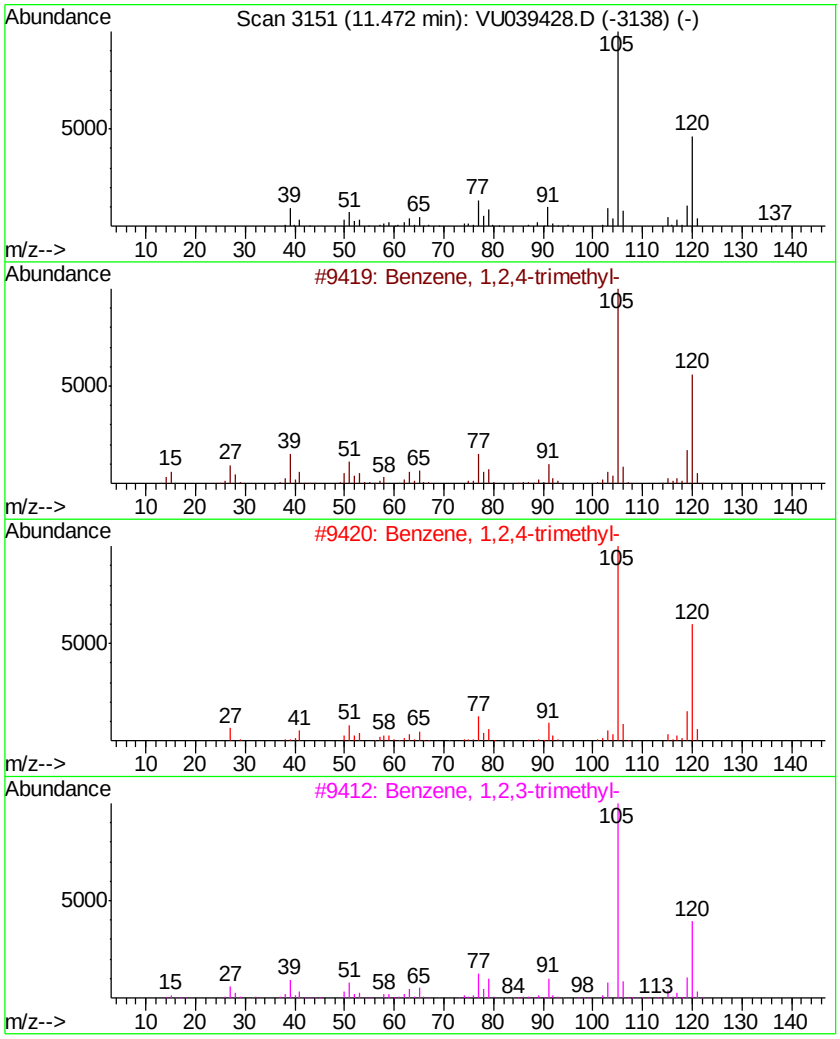
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

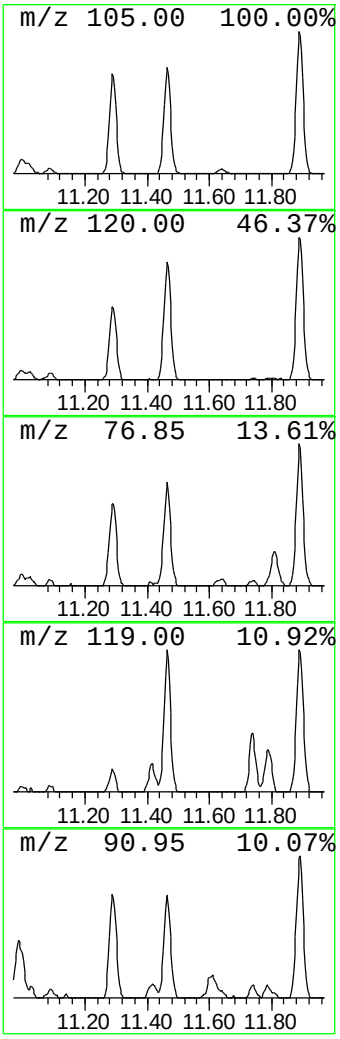
****

Peak Number 7 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	2.28 ug/L	167087	1,4-Dichlorobenzene-d4	11.81

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

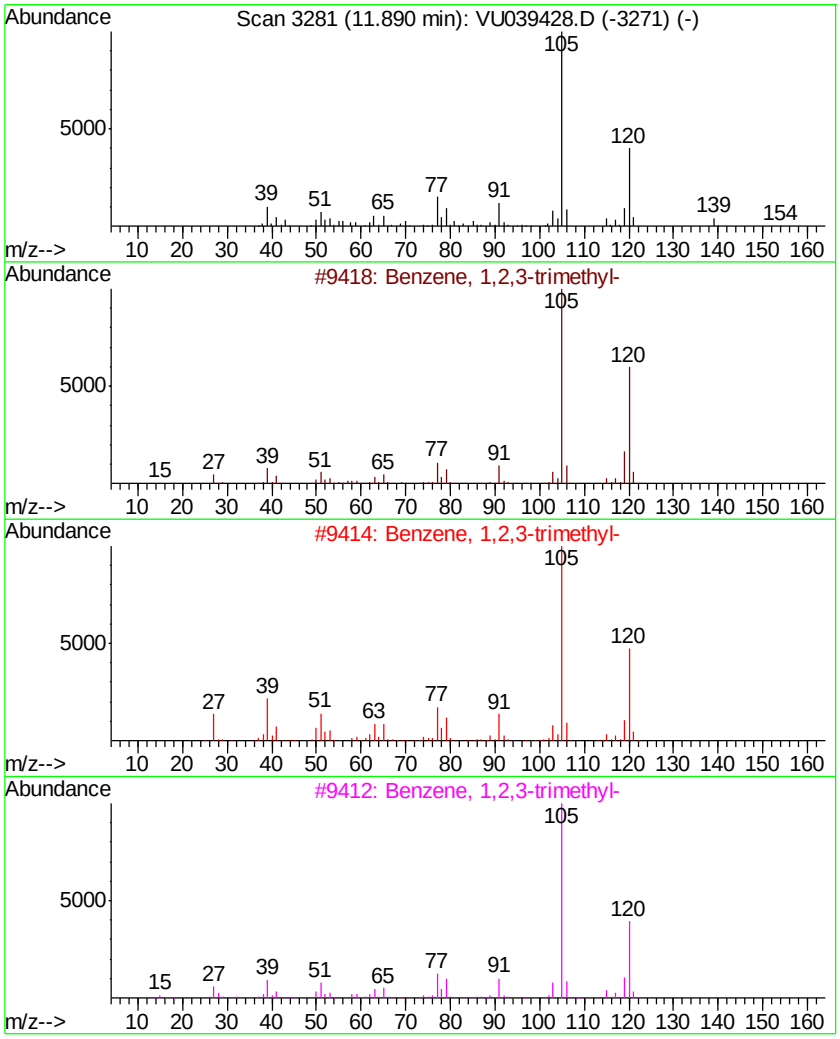
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

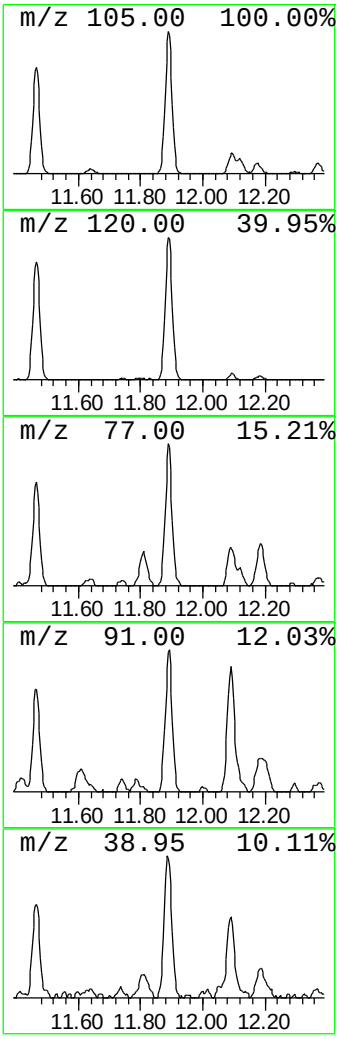
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.38 ug/L	247307	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

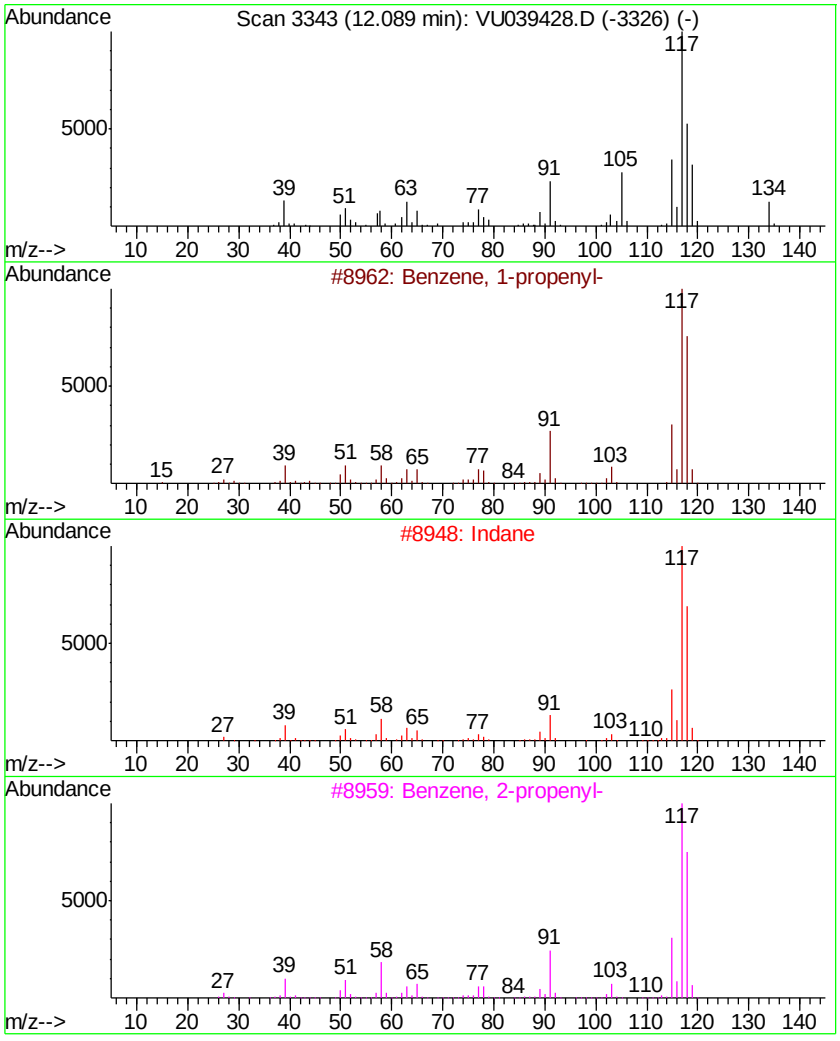
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

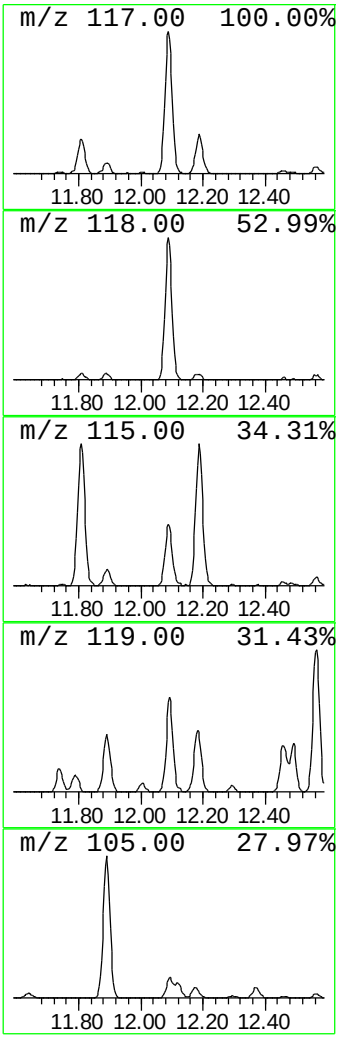
****

Peak Number 9 Benzene, 1-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	2.54 ug/L	185505	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	92
2	Indane	118	C9H10	000496-11-7	70
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Indane	118	C9H10	000496-11-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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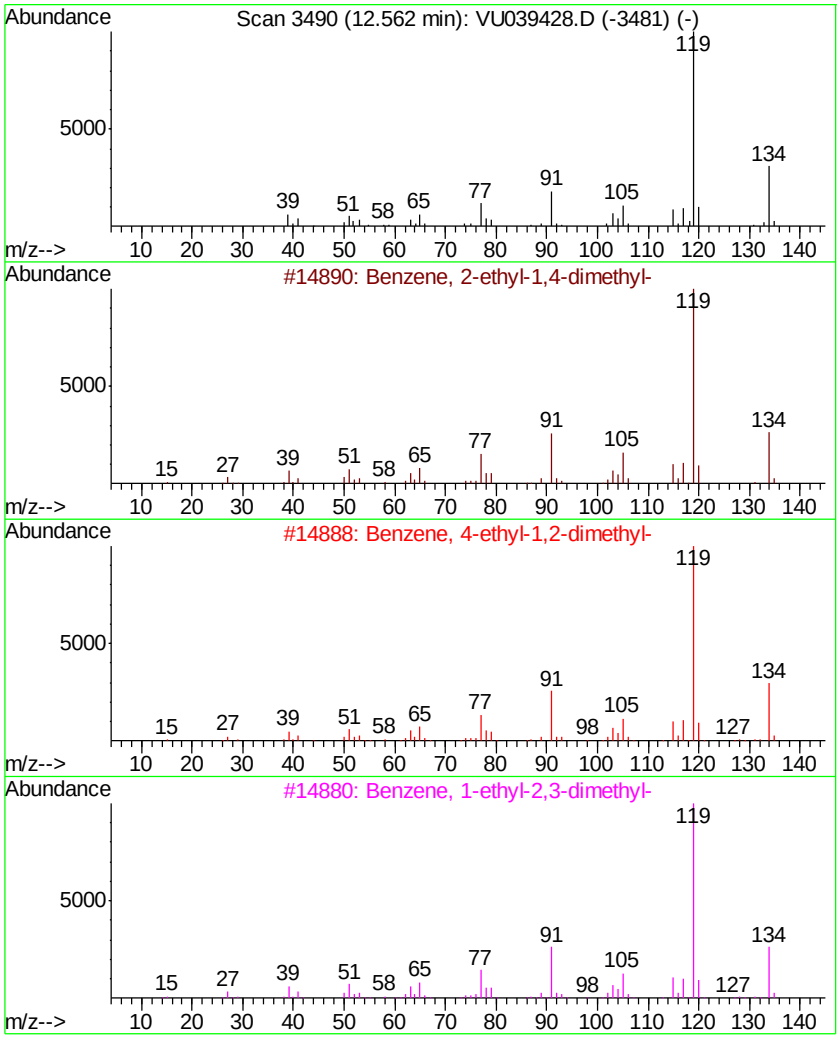
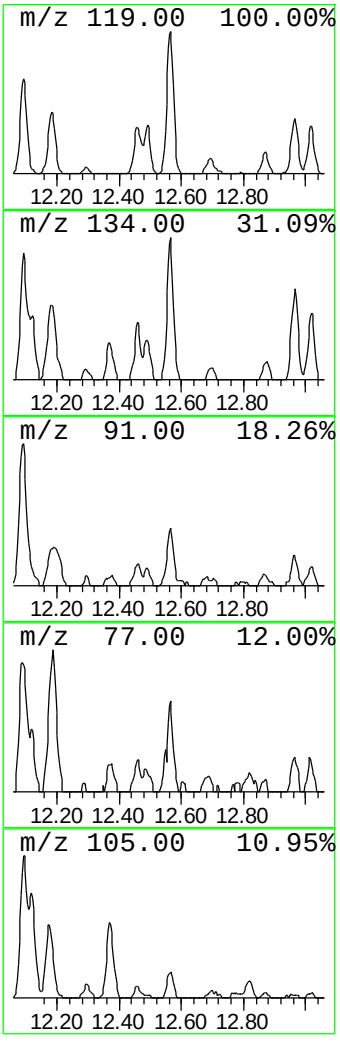
Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	0.63 ug/L	46096	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071020\
Data File : VU039428.D
Acq On : 10 Jul 2020 14:34
Operator : SY/MD
Sample : L3261-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE505

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.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	4.5	ug/L	212761	1	6.27	234374	5.0
Thiirane	3.87	1.6	ug/L	76024	1	6.27	234374	5.0
Diisopropyl ether	4.02	15.4	ug/L	721737	1	6.27	234374	5.0
Benzene, propyl-	10.90	1.3	ug/L	91325	3	11.81	365793	5.0
Benzene, 1-ethyl-...	11.29	1.8	ug/L	133389	3	11.81	365793	5.0
Benzene, 1,2,4-tr...	11.47	2.3	ug/L	167087	3	11.81	365793	5.0
Benzene, 1,2,3-tr...	11.89	3.4	ug/L	247307	3	11.81	365793	5.0
Benzene, 1-propenyl-	12.09	2.5	ug/L	185505	3	11.81	365793	5.0
Benzene, 2-ethyl-...	12.56	0.6	ug/L	46096	3	11.81	365793	5.0