LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

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_V\METHOD\SOMVTR061720WMA.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	1.116	3	8	20	rVB	787367	716102	7.54%	2.861%
2	1.322	60	72	82	rBV	3267340	3756939	39.56%	15.009%
3	1.428	99	105	118	rVB	111110	116727	1.23%	0.466%
4	1.518	122	133	140	rBV	85421	178712	1.88%	0.714%
5	1.576	146	151	165	rVB2	104832	161138	1.70%	0.644%
6	1.782	208	215	222	rBV	94188	115524	1.22%	0.462%
7	2.132	309	324	338	rBV2	189025	337827	3.56%	1.350%
8	2.778	512	525	550	rBV	1221140	2110144	22.22%	8.430%
9	3.939	864	886	918	rBV	3920292	9496259	100.00%	37.937%
10	4.380	1007	1023	1039	rBV2	107042	263450	2.77%	1.052%
11	5.074	1221	1239	1250	rBV3	219306	544749	5.74%	2.176%
12	5.643	1400	1416	1439	rBV	206393	423786	4.46%	1.693%
13	5.939	1492	1508	1533	rBV	1194229	2335205	24.59%	9.329%
14	6.097	1548	1557	1573	rVB2	126341	246075	2.59%	0.983%
15	7.010	1830	1841	1858	rBV	59979	114417	1.20%	0.457%
16	7.338	1932	1943	1956	rBV	248751	427799	4.50%	1.709%
17	7.412	1956	1966	1986	rVB	160385	282406	2.97%	1.128%
18	8.109	2173	2183	2212	rBV	215997	420015	4.42%	1.678%
19	8.875	2408	2421	2448	rBV	315286	515595	5.43%	2.060%
20	9.161	2498	2510	2525	rVB	78129	134073	1.41%	0.536%
21	10.238	2828	2845	2857	rBV2	91094	152813	1.61%	0.610%
22	11.270	3154	3166	3182	rBV	322452	500081	5.27%	1.998%
23	11.357	3182	3193	3208	rVB	120498	187353	1.97%	0.748%
24	11.550	3239	3253	3263	rBV2	92394	186473	1.96%	0.745%
25	11.646	3273	3283	3307	rVB3	332509	613362	6.46%	2.450%
26	12.039	3393	3405	3413	rBV	77010	124026	1.31%	0.495%
27	12.161	3427	3443	3462	rBV3	41314	107161	1.13%	0.428%
28	12.338	3487	3498	3510	rBV	71686	113312	1.19%	0.453%
29	12.434	3519	3528	3536	rBV	71835	106004	1.12%	0.423%
30	12.485	3536	3544	3557	rVB	96044	145382	1.53%	0.581%
31	12.907	3656	3675	3690	rBV3	54225	98771	1.04%	0.395%

Sum of corrected areas: 25031680

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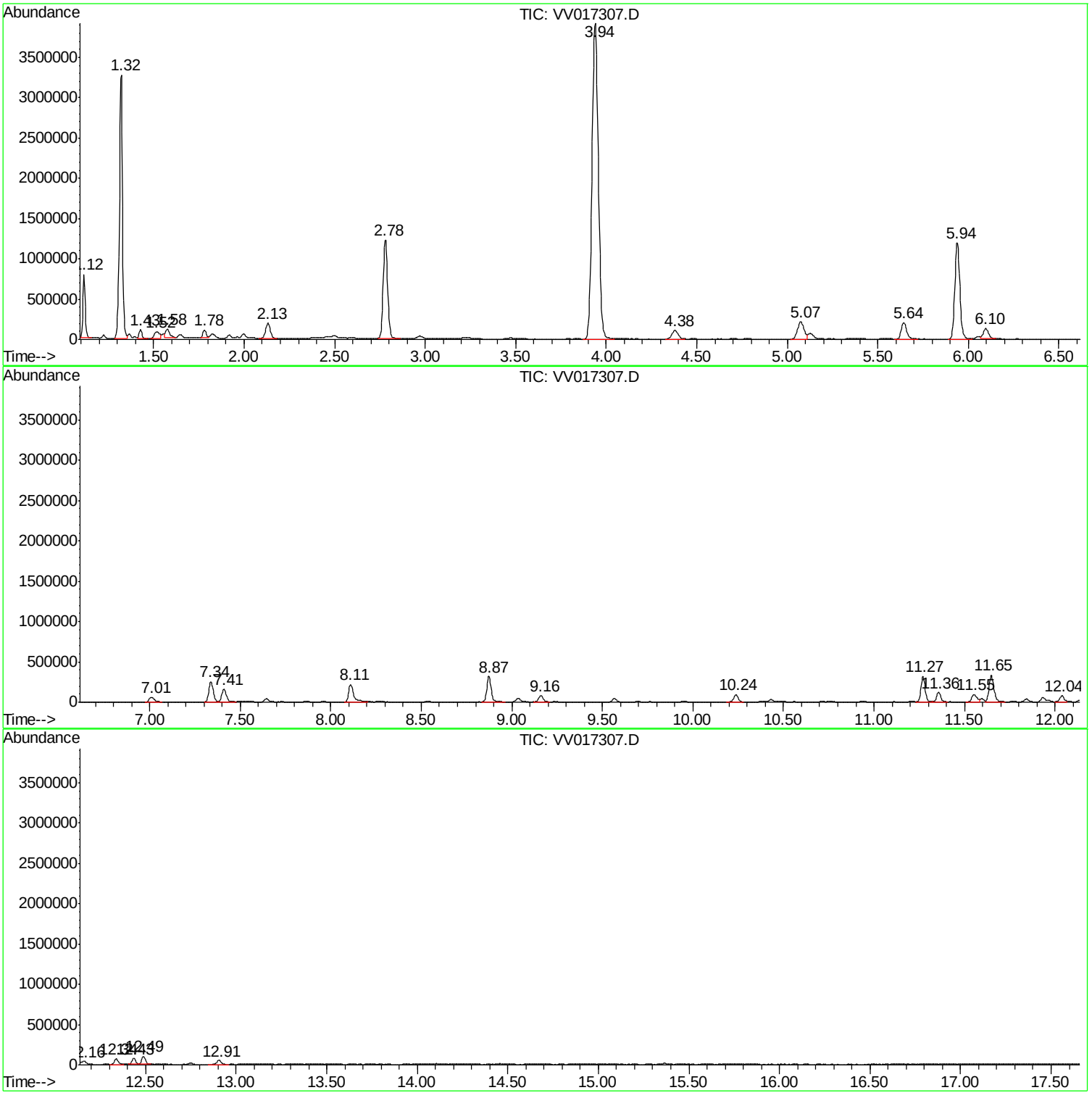
Sample : L3154-02
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

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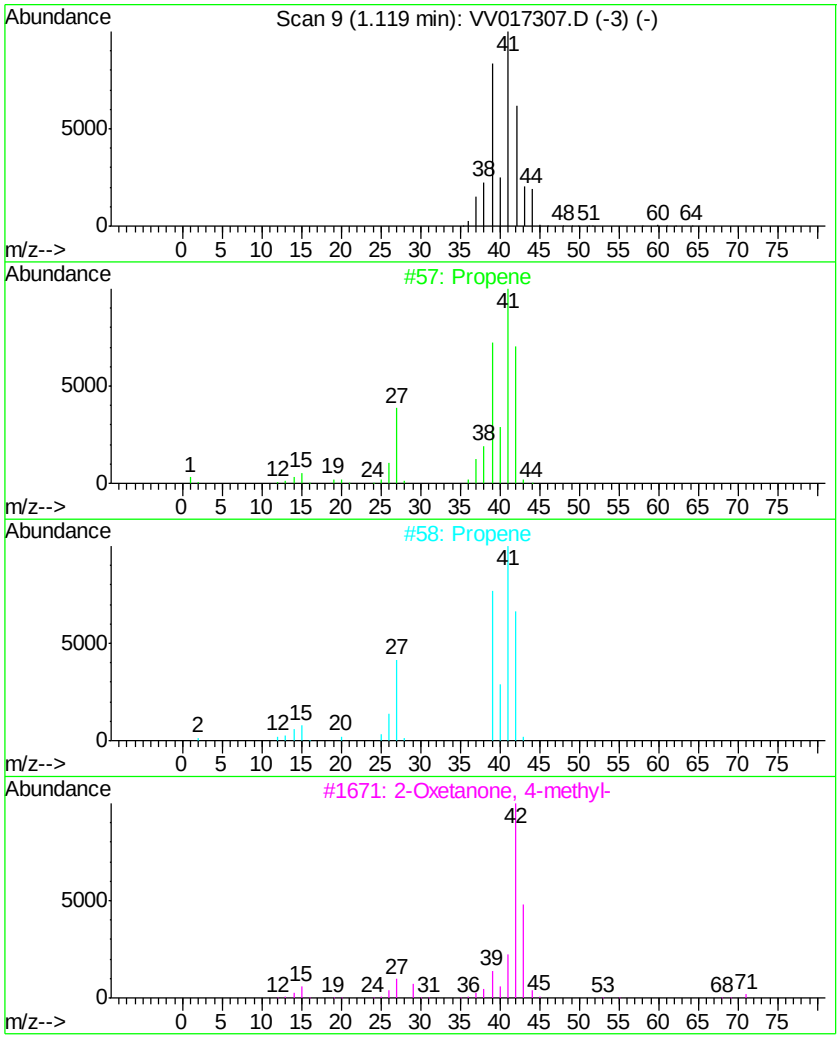
Quant Title : TRACE VOA SOM01.0

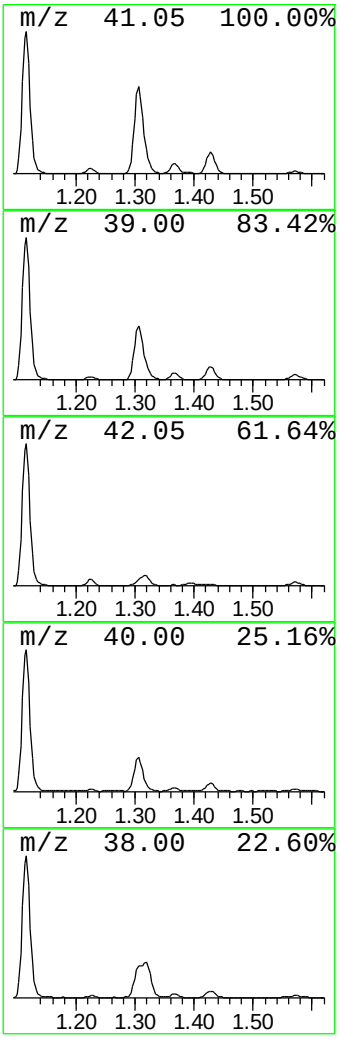
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	8.45 ug/L	716102	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropene	40	C3H4	002781-85-3	9





Library Search Compound Report

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Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

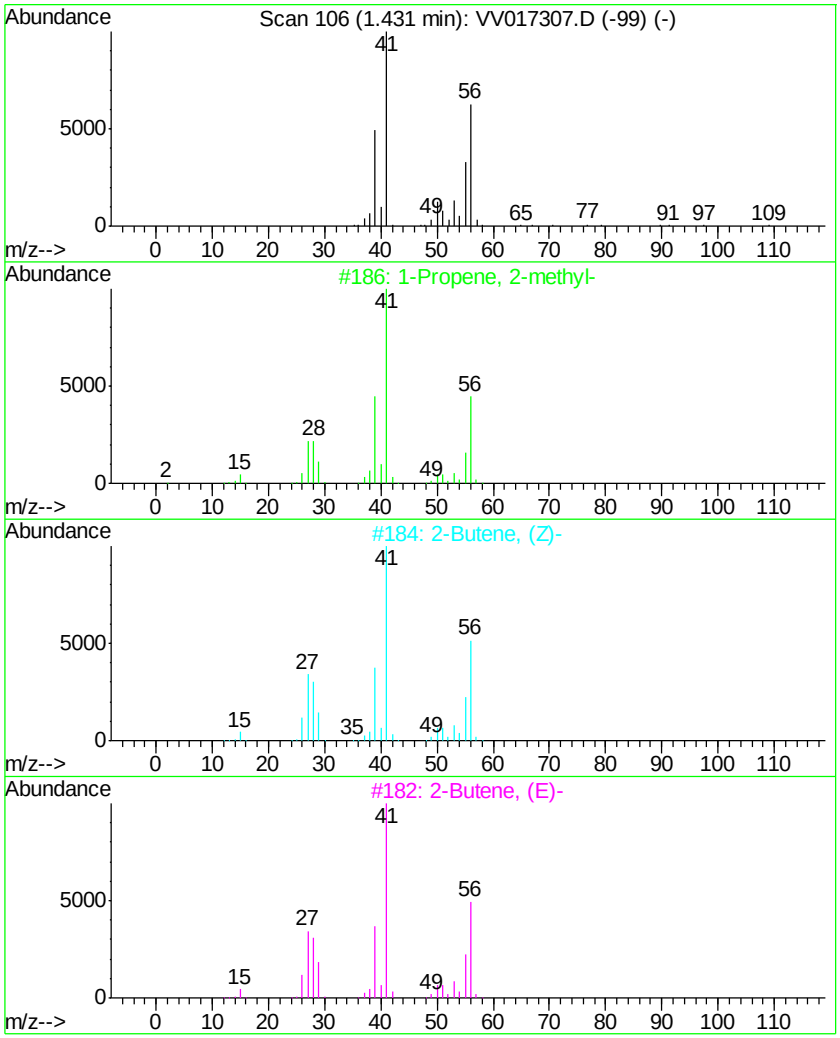
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

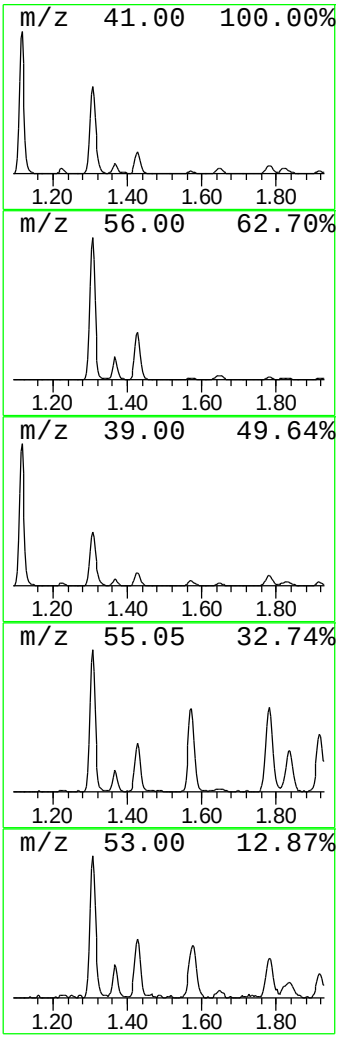
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	1.38 ug/L	116727	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
2	2-Butene, (Z)-	56	C4H8	000590-18-1	74
3	2-Butene, (E)-	56	C4H8	000624-64-6	72
4	2-Butene, (E)-	56	C4H8	000624-64-6	72
5	2-Butene, (Z)-	56	C4H8	000590-18-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

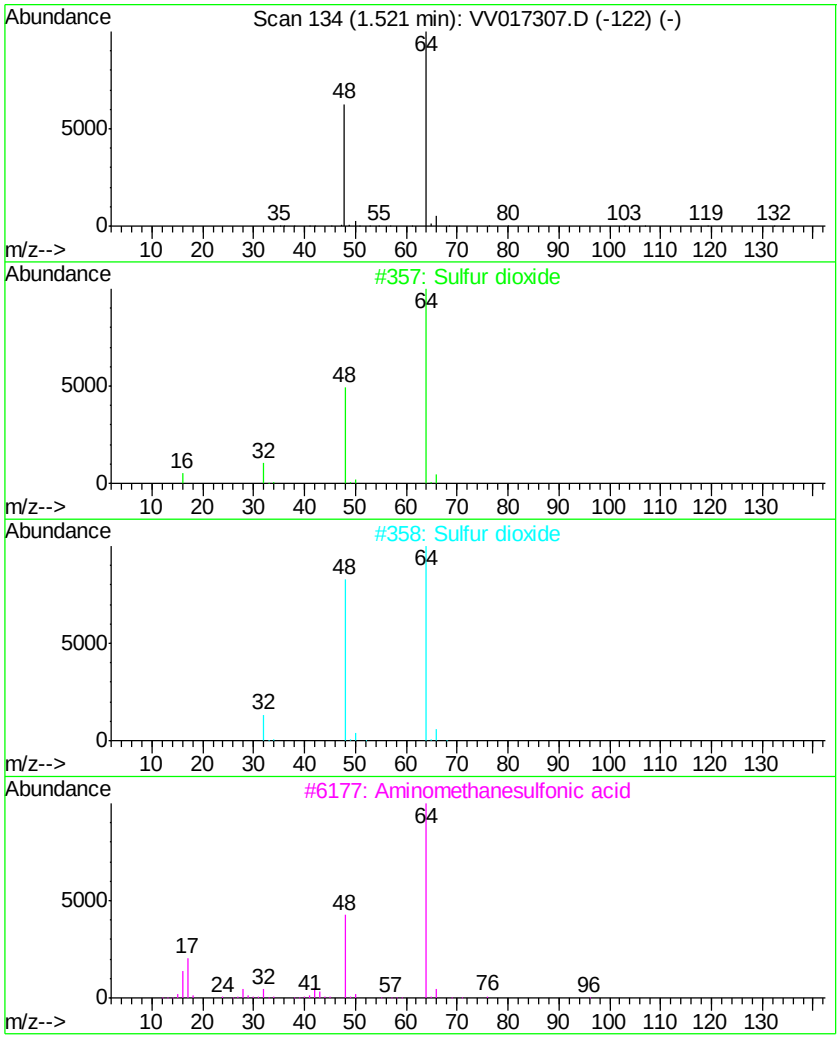
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

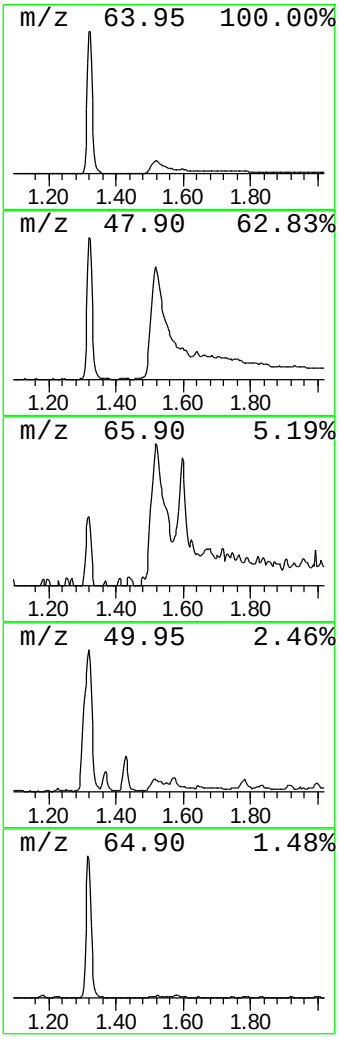
****

Peak Number 3 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.52	2.11 ug/L	178712	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Sulfur dioxide	64	O2S	007446-09-5	83
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	83
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
5	(N-(-2-Acetamido))-2-aminoethane...	182	C4H10N2O4S	007365-82-4	9





Library Search Compound Report

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Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

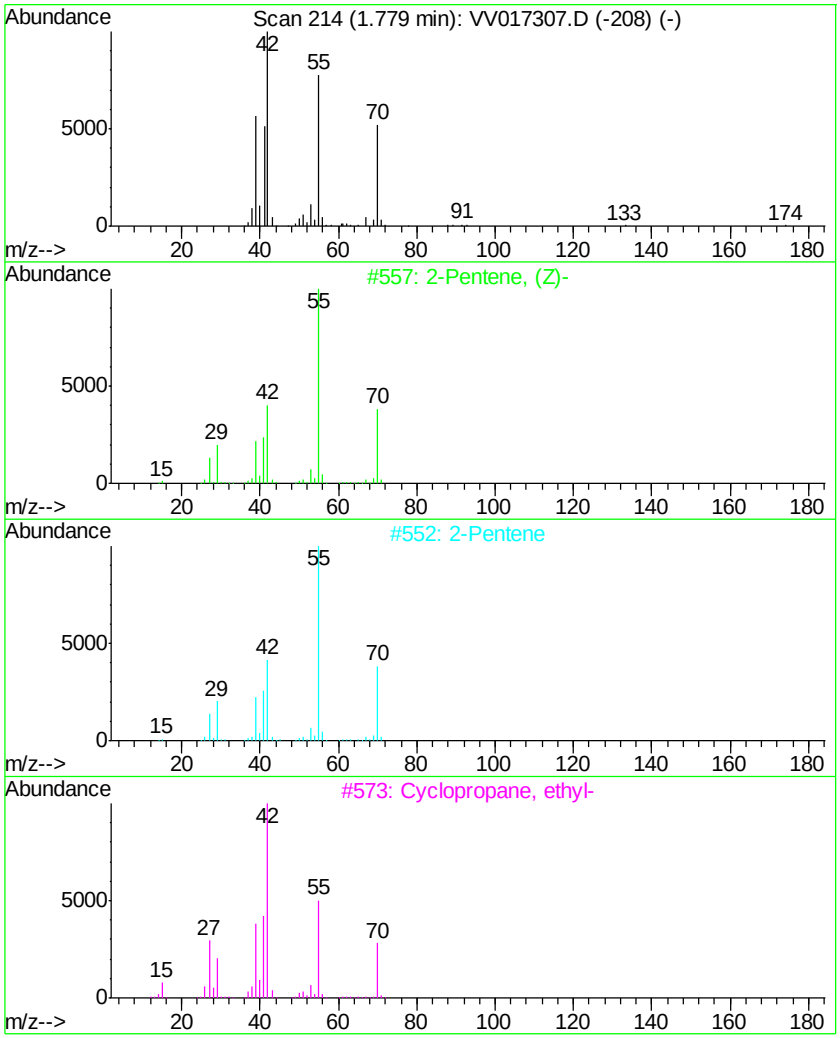
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

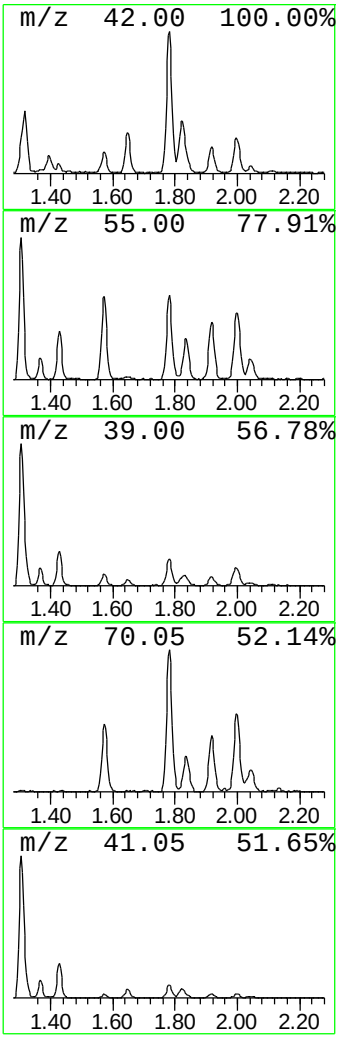
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	1.36 ug/L	115524	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
2	2-Pentene	70	C5H10	000109-68-2	83
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64





Library Search Compound Report

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Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

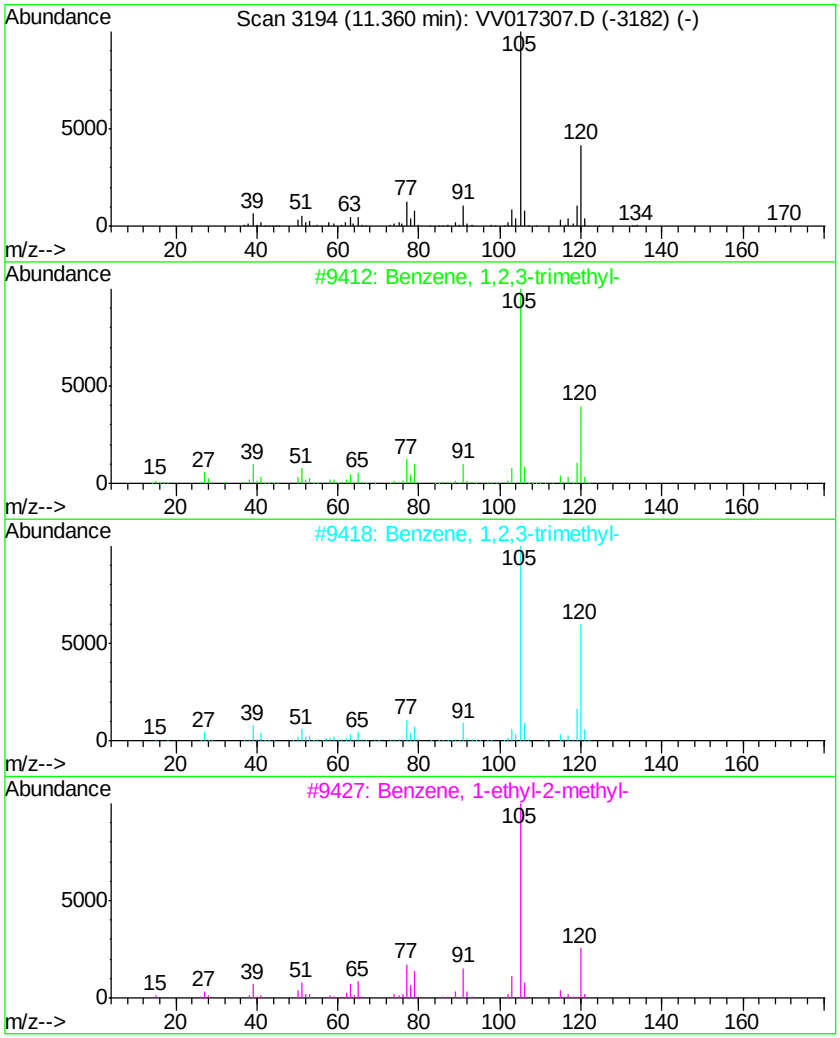
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

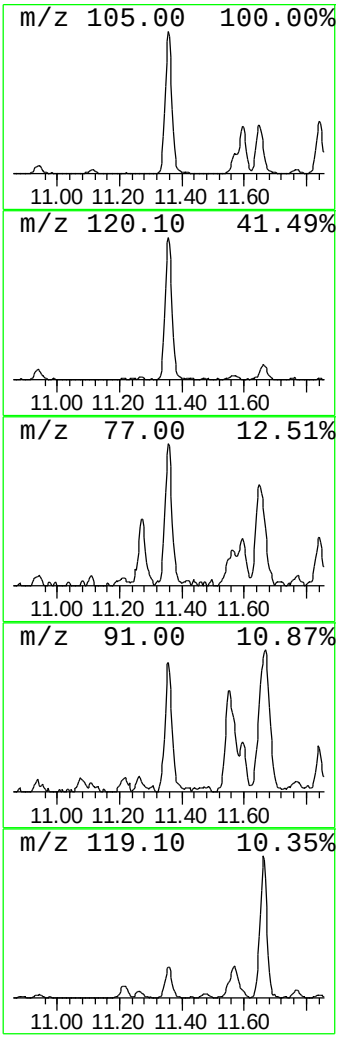
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	1.87 ug/L	187353	1,4-Dichlorobenzene-d4	11.27

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	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

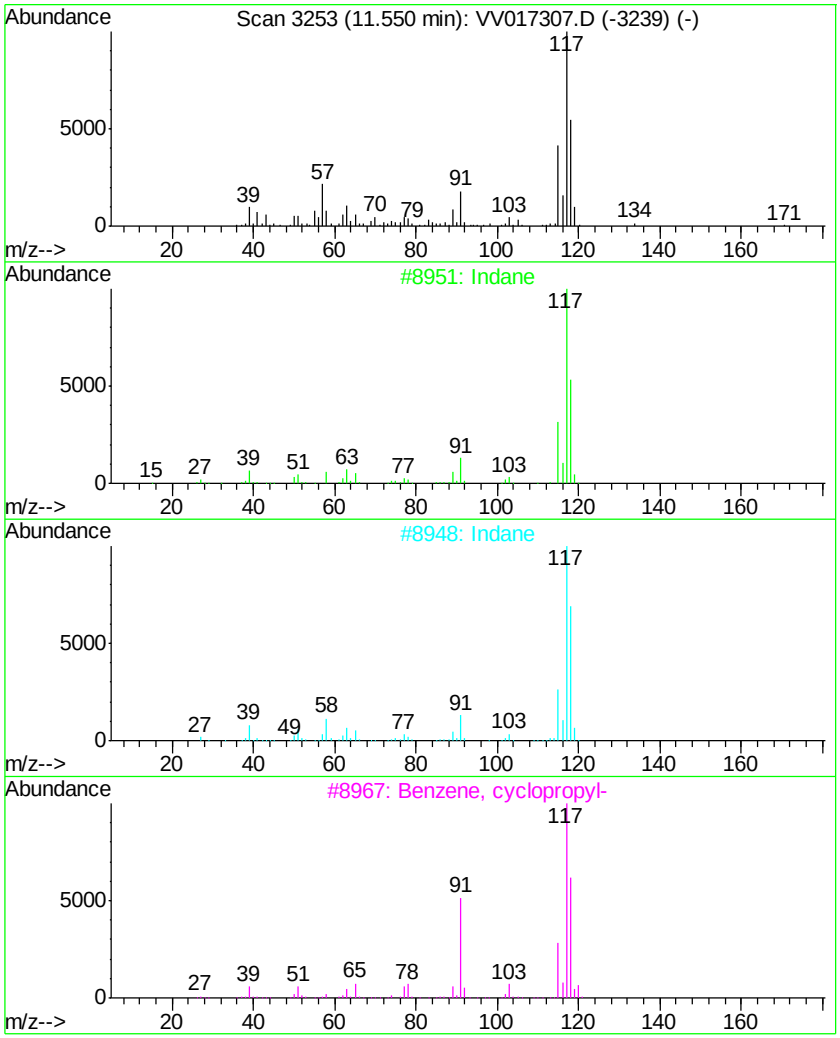
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

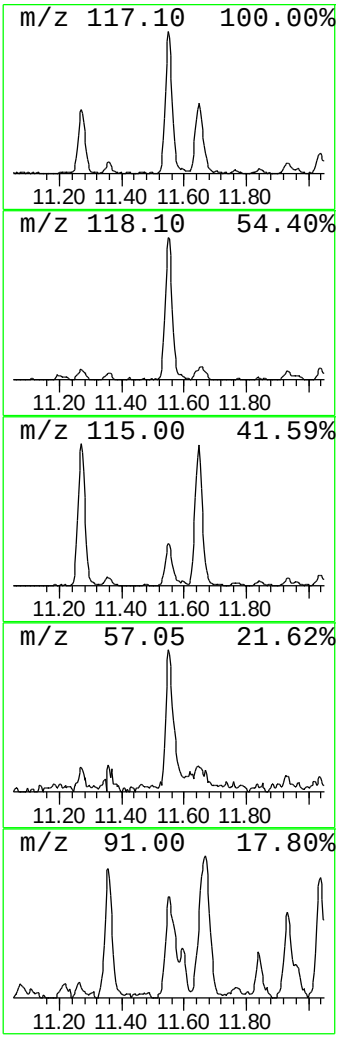
****

Peak Number 7 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	1.86 ug/L	186473	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	64





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Operator : SY/MD
Sample : L3154-02
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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

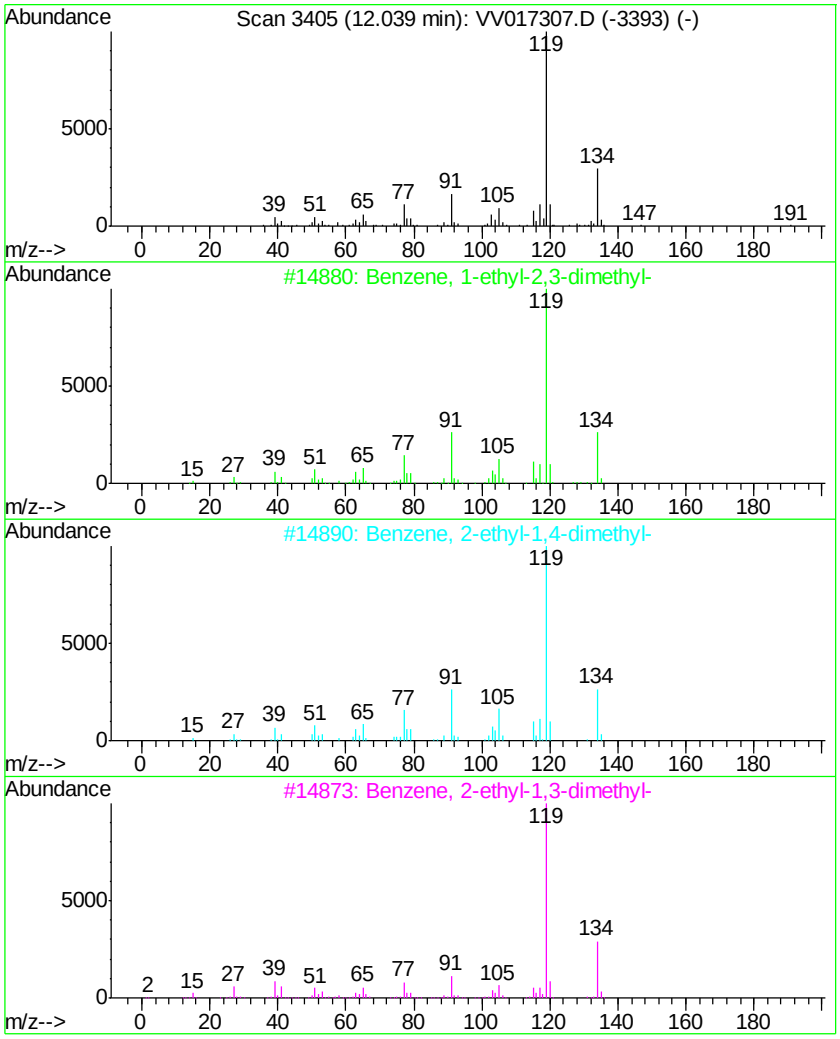
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

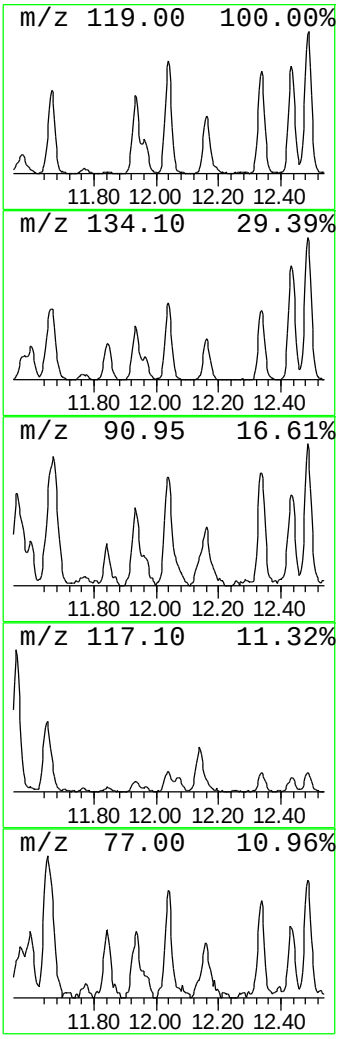
****

Peak Number 8 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	1.24 ug/L	124026	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





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Instrument : MSVOA_V
ClientSampleId : H4269

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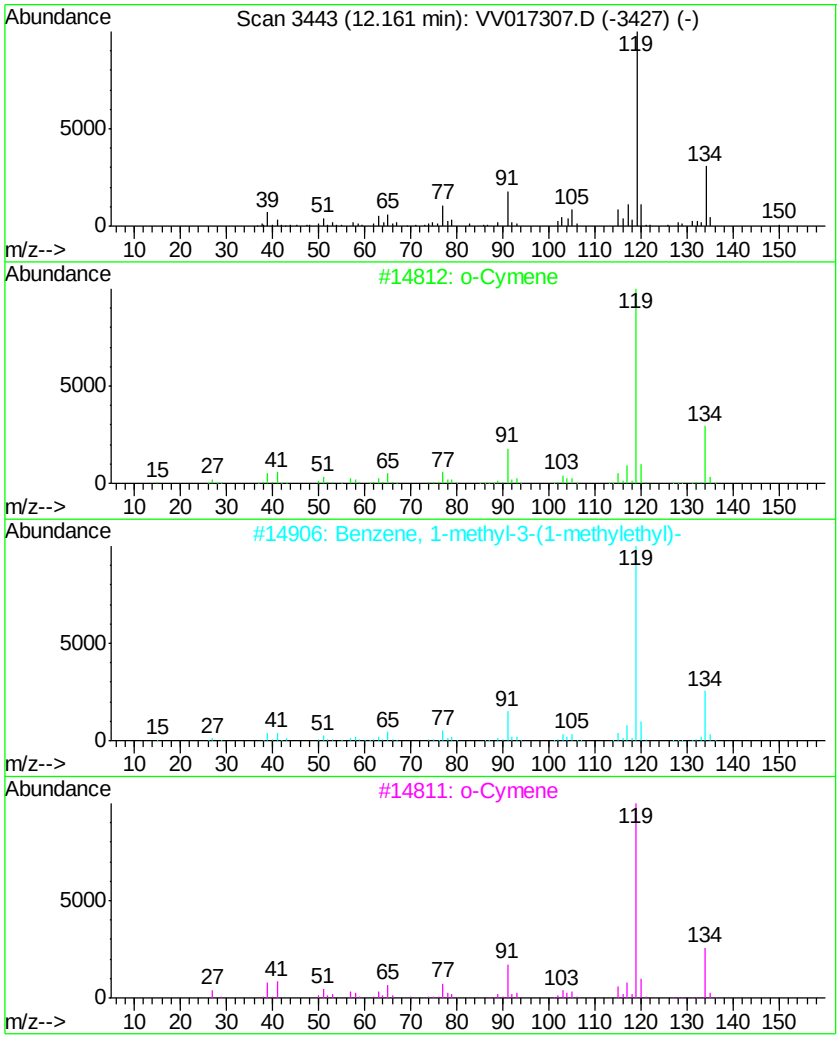
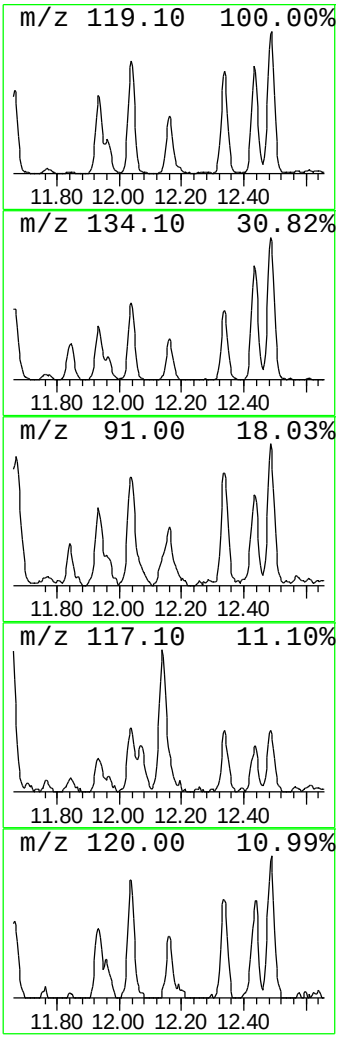
****

Peak Number 9 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	1.07 ug/L	107161	1,4-Dichlorobenzene-d4	11.27

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





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Data File : VV017307.D
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Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

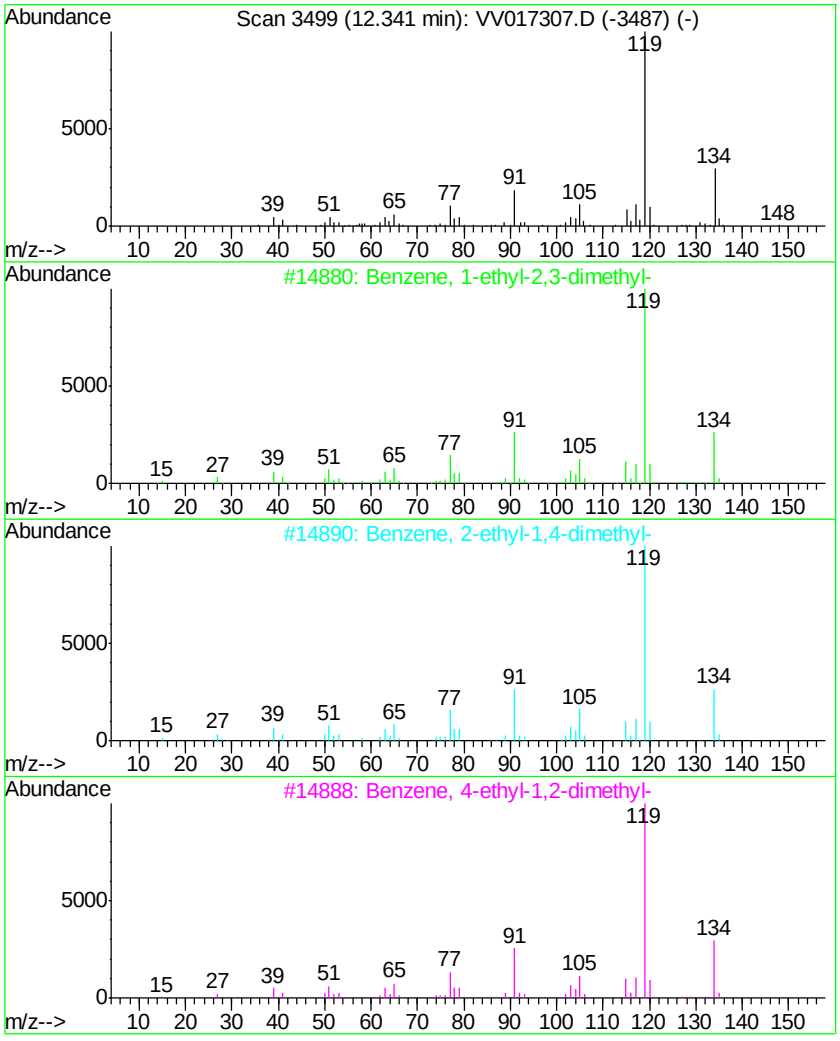
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

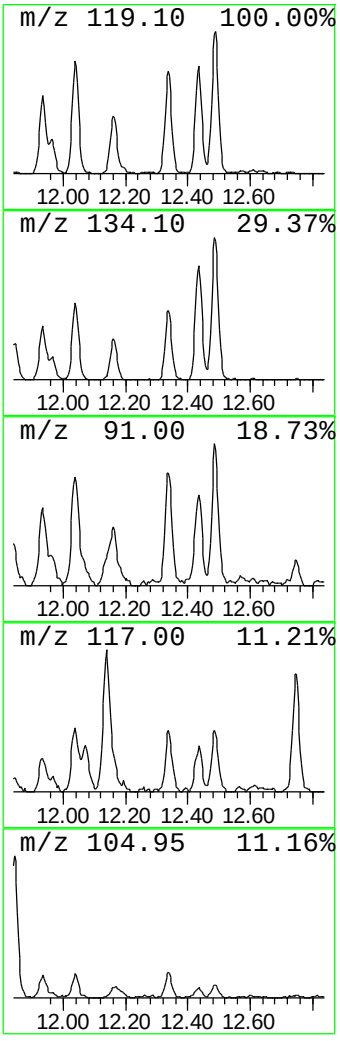
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	1.13 ug/L	113312	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

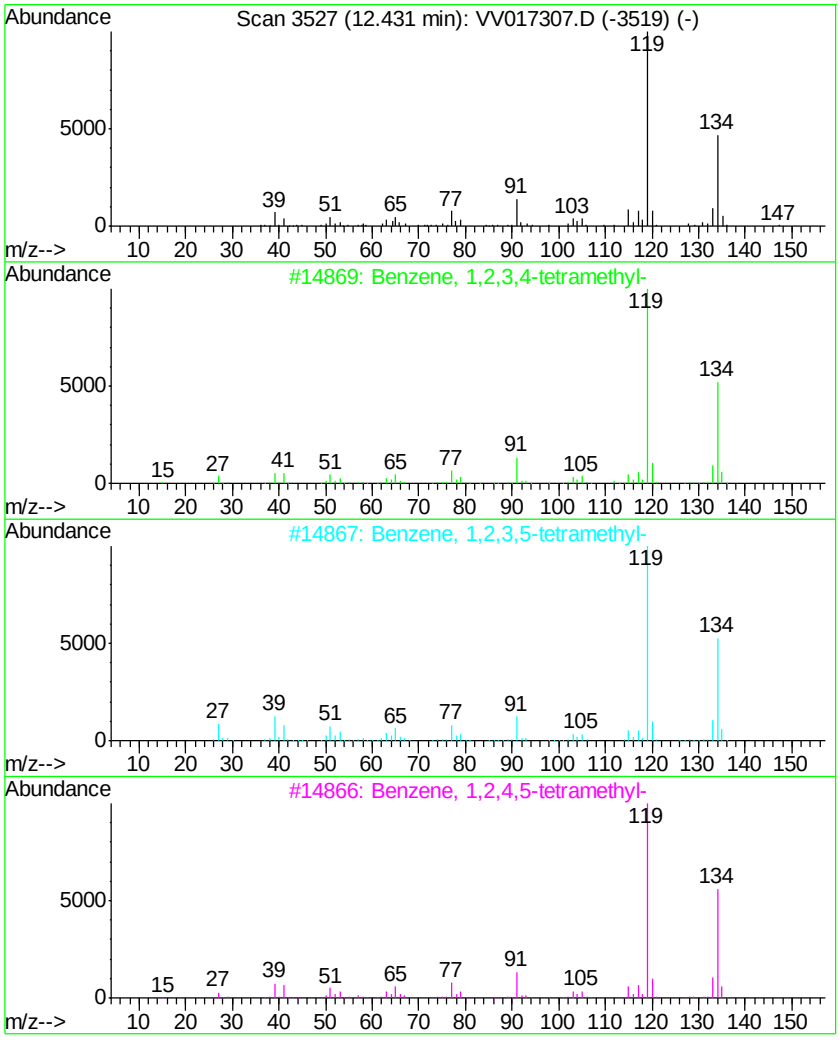
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

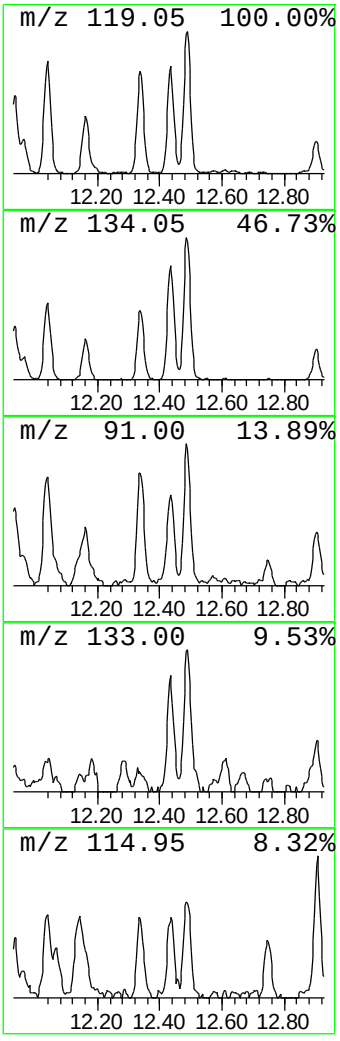
****

Peak Number 11 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	1.06 ug/L	106004	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

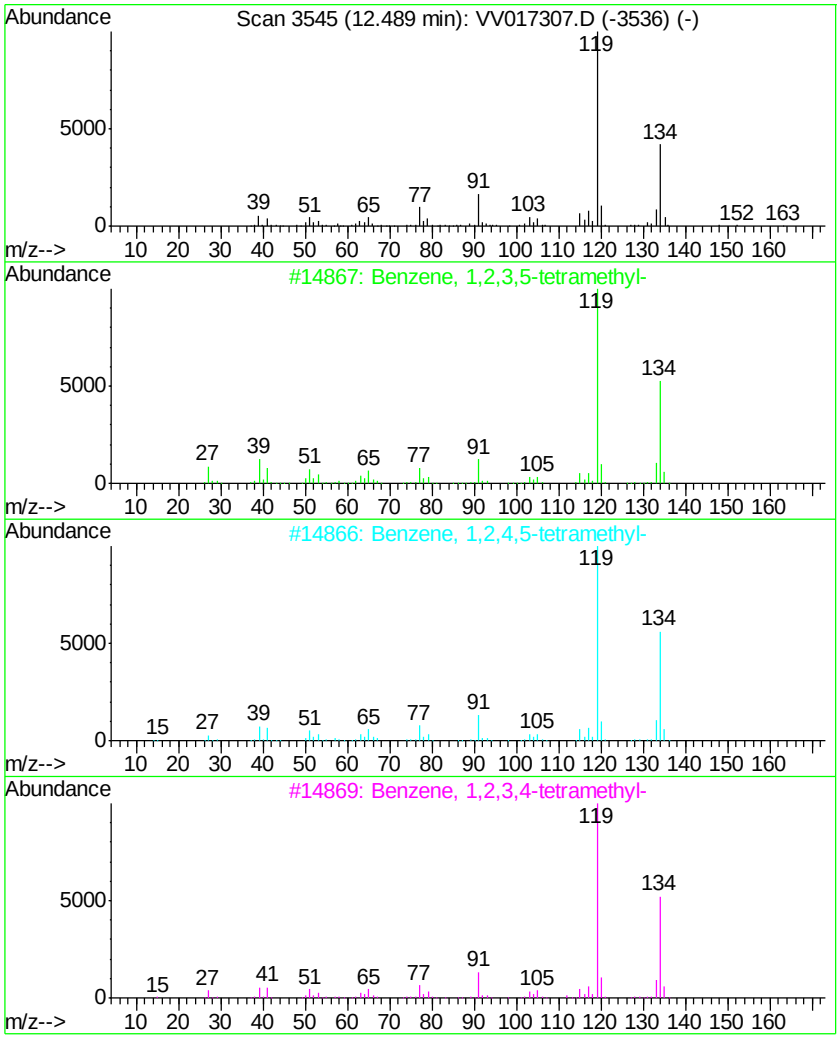
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

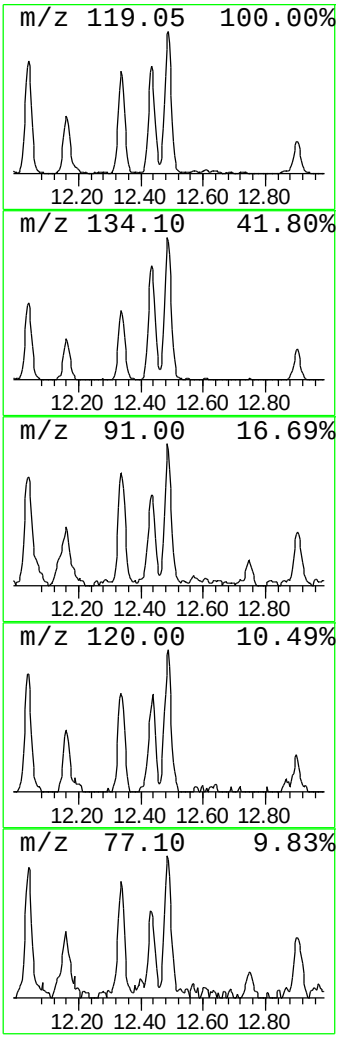
****

Peak Number 12 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	1.45 ug/L	145382	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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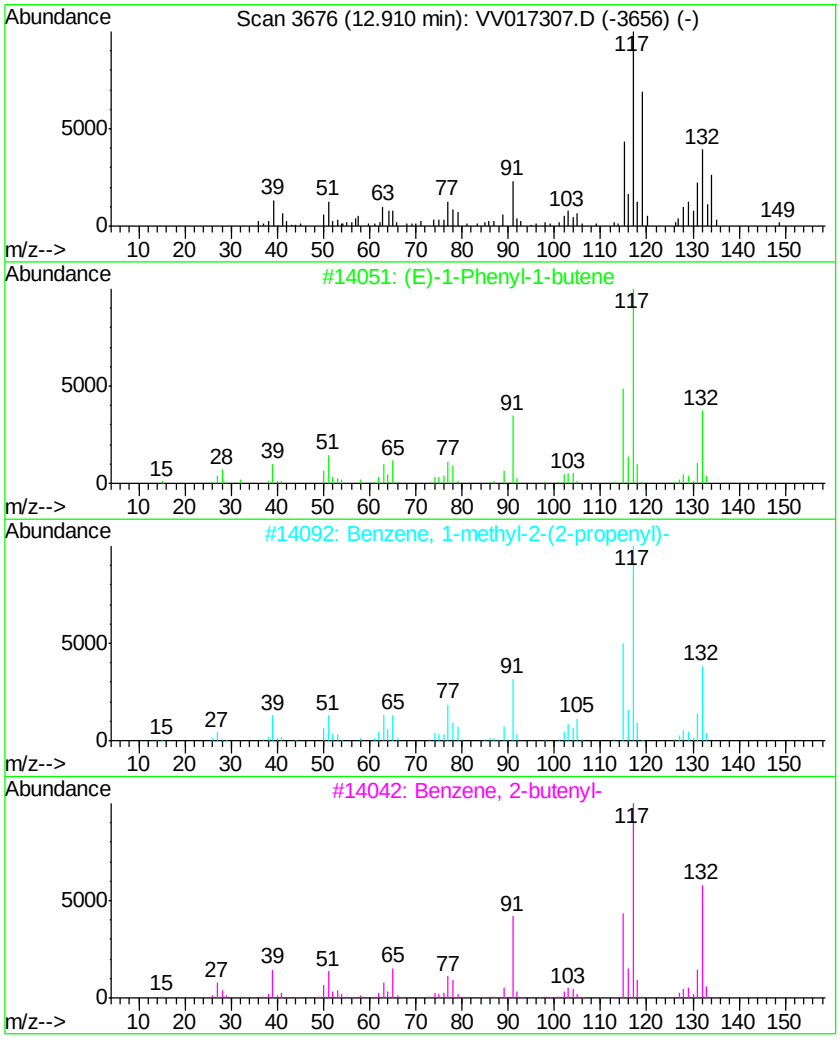
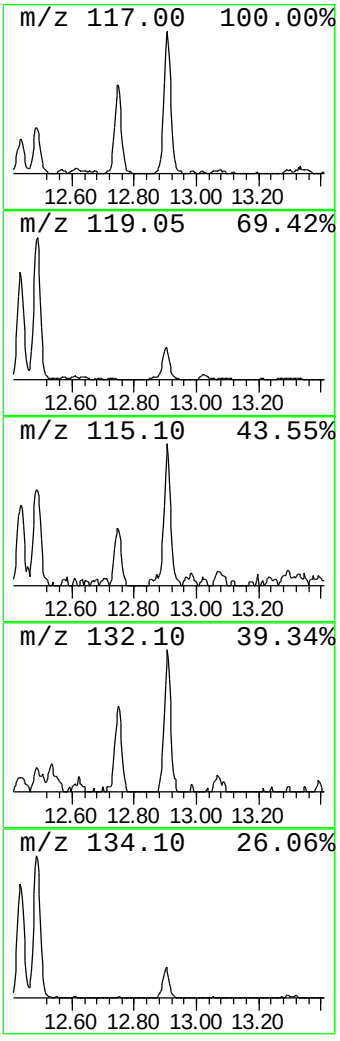
Peak Number 13 (E)-1-Phenyl-1-butene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	0.99 ug/L	98771	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	91
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	60
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017307.D
Acq On : 02 Jul 2020 13:48
Operator : SY/MD
Sample : L3154-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4269

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.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...	1.12	8.4	ug/L	716102	1	5.64	423786	5.0
(DEL) Alkane: Str...	1.43	1.4	ug/L	116727	1	5.64	423786	5.0
Sulfur dioxide	1.52	2.1	ug/L	178712	1	5.64	423786	5.0
(DEL) Alkane: Str...	1.78	1.4	ug/L	115524	1	5.64	423786	5.0
Benzene, 1,2,3-tr...	11.36	1.9	ug/L	187353	3	11.27	500081	5.0
Indane	11.55	1.9	ug/L	186473	3	11.27	500081	5.0
Benzene, 1-ethyl-...	12.04	1.2	ug/L	124026	3	11.27	500081	5.0
o-Cymene	12.16	1.1	ug/L	107161	3	11.27	500081	5.0
Benzene, 2-ethyl-...	12.34	1.1	ug/L	113312	3	11.27	500081	5.0
Benzene, 1,2,3,4-...	12.43	1.1	ug/L	106004	3	11.27	500081	5.0
Benzene, 1,2,3,5-...	12.49	1.5	ug/L	145382	3	11.27	500081	5.0
(E)-1-Phenyl-1-bu...	12.91	1.0	ug/L	98771	3	11.27	500081	5.0