LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

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\SOMUTR062320WMA.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	2.591	375	389	411	rBV	193139	358764	1.07%	0.520%
2	3.398	620	640	736	rVB	13662042	33614800	100.00%	48.730%
3	4.703	1020	1046	1100	rBV3	452142	1456594	4.33%	2.112%
4	5.102	1155	1170	1181	rBV2	189085	419013	1.25%	0.607%
5	5.494	1279	1292	1312	rVB	299765	701176	2.09%	1.016%
6	5.623	1315	1332	1343	rBV	315888	694699	2.07%	1.007%
7	5.758	1357	1374	1383	rBV2	393090	989913	2.94%	1.435%
8	5.880	1401	1412	1419	rBV	299434	592513	1.76%	0.859%
9	5.935	1419	1429	1451	rVB6	519936	1816772	5.40%	2.634%
10	6.279	1520	1536	1545	rBV	343734	672601	2.00%	0.975%
11	6.719	1660	1673	1680	rBV	255111	496167	1.48%	0.719%
12	6.764	1681	1687	1700	rVB3	173137	339532	1.01%	0.492%
13	7.279	1833	1847	1862	rVB	429118	899485	2.68%	1.304%
14	7.404	1874	1886	1895	rBV	453843	873801	2.60%	1.267%
15	7.588	1926	1943	1954	rBV3	153653	466494	1.39%	0.676%
16	7.880	2017	2034	2038	rBV5	212741	448587	1.33%	0.650%
17	7.919	2039	2046	2057	rVB	510995	881388	2.62%	1.278%
18	8.388	2170	2192	2198	rBV2	191391	393681	1.17%	0.571%
19	8.655	2265	2275	2290	rBV	877863	1638992	4.88%	2.376%
20	9.433	2505	2517	2528	rBV	496288	838379	2.49%	1.215%
21	10.771	2924	2933	2947	rVB	230088	382529	1.14%	0.555%
22	11.822	3248	3260	3276	rVB	510056	818659	2.44%	1.187%
23	12.108	3336	3349	3364	rBV	3037369	4448405	13.23%	6.449%
24	12.198	3365	3377	3394	rVB3	932743	1641750	4.88%	2.380%
25	12.693	3519	3531	3550	rBV	1369430	2377883	7.07%	3.447%
26	12.992	3617	3624	3640	rVB	263630	430612	1.28%	0.624%
27	13.128	3655	3666	3685	rVB3	446959	771491	2.30%	1.118%
28	13.652	3821	3829	3845	rVB2	204140	352822	1.05%	0.511%
29	13.867	3885	3896	3903	rBV2	333268	542174	1.61%	0.786%
30	13.938	3903	3918	3922	rVV2	535336	1039302	3.09%	1.507%
31	13.967	3922	3927	3948	rVB2	853146	2008684	5.98%	2.912%
32	14.234	3999	4010	4022	rVB	890067	1425367	4.24%	2.066%
33	14.314	4023	4035	4047	rVB2	372266	635207	1.89%	0.921%
34	14.703	4144	4156	4167	rBV2	560221	1062251	3.16%	1.540%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

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\SOMUTR062320WMA.M
Title : TRACE VOA SOM01.0

35	14.844	4191	4200	4211	rBV	412901	647302	1.93%	0.938%
36	14.912	4211	4221	4234	rVB3	472306	837728	2.49%	1.214%
37	15.205	4300	4312	4333	rBV	474060	966299	2.87%	1.401%

Sum of corrected areas: 68981816

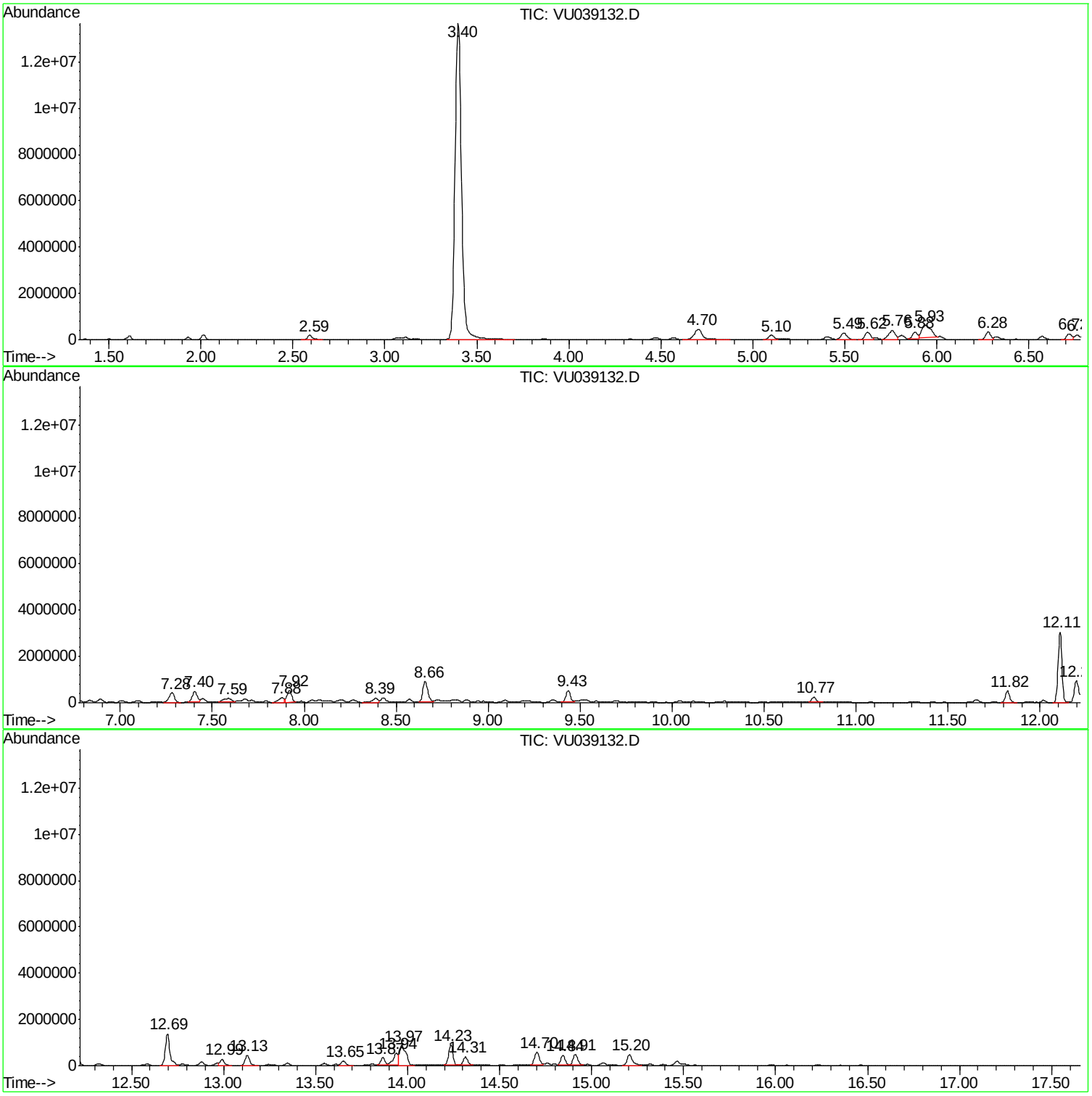
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.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\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

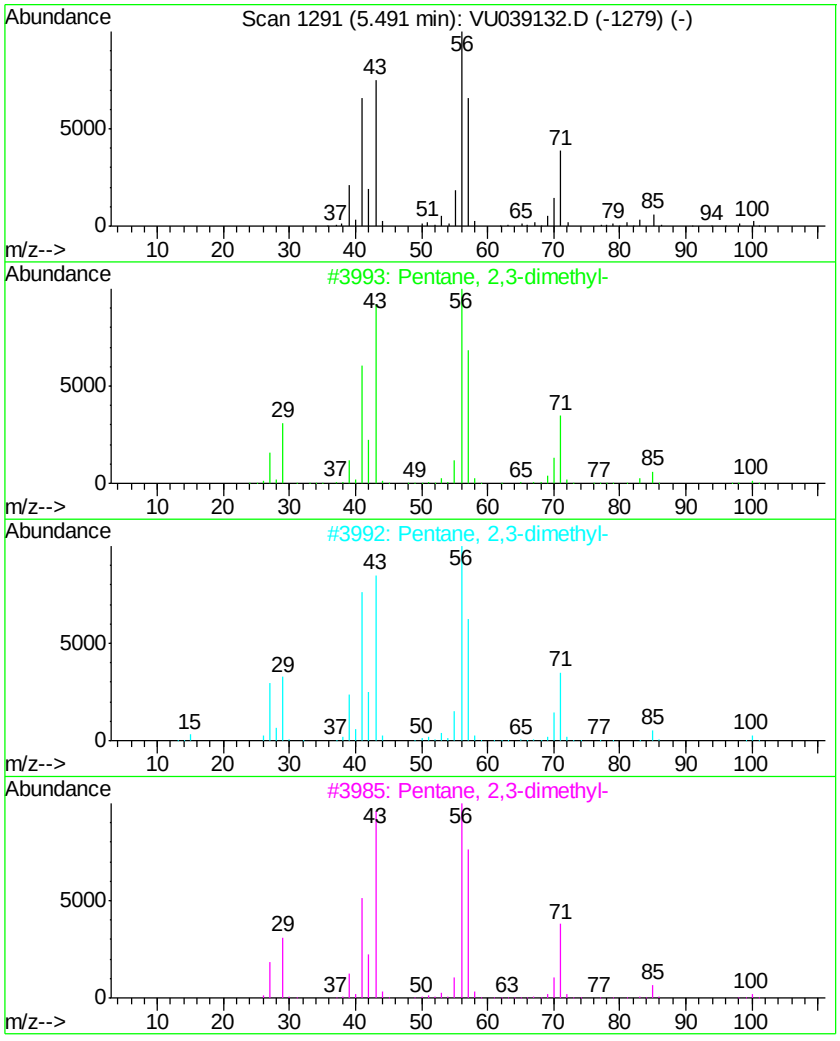
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

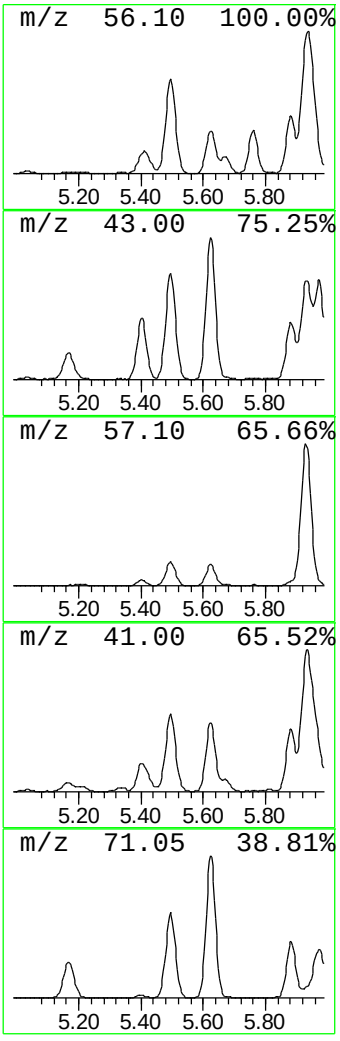
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.49	5.21 ug/L	701176	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

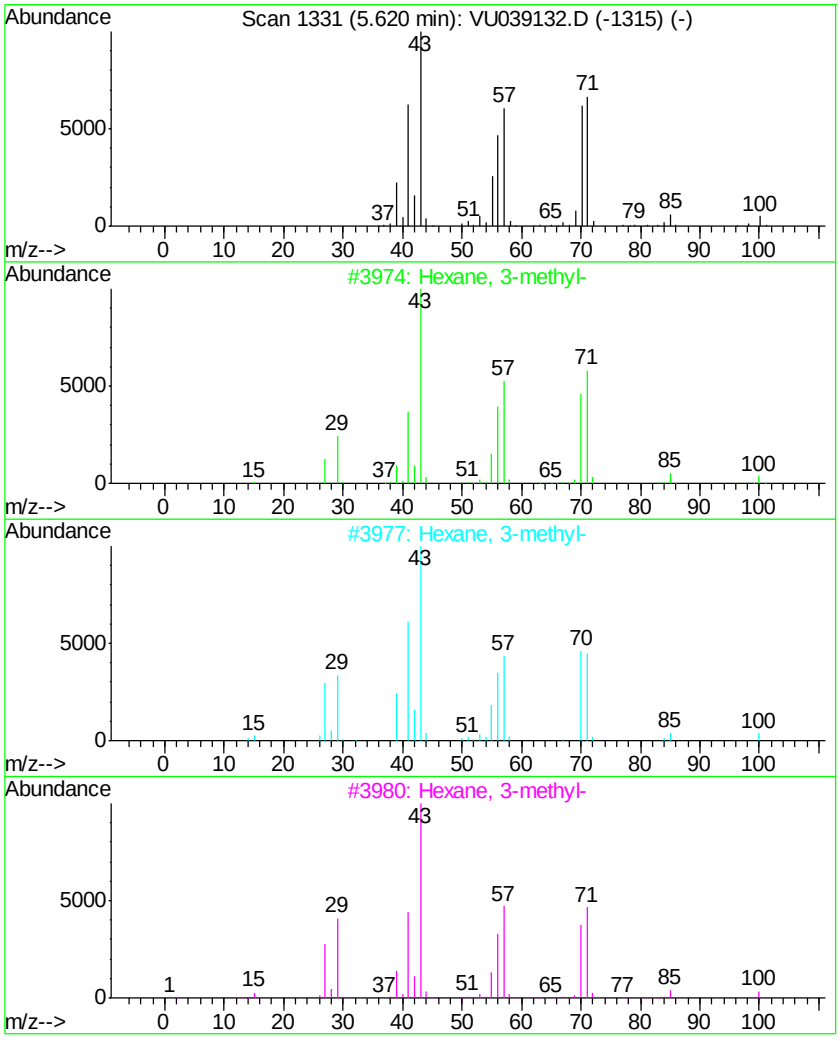
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

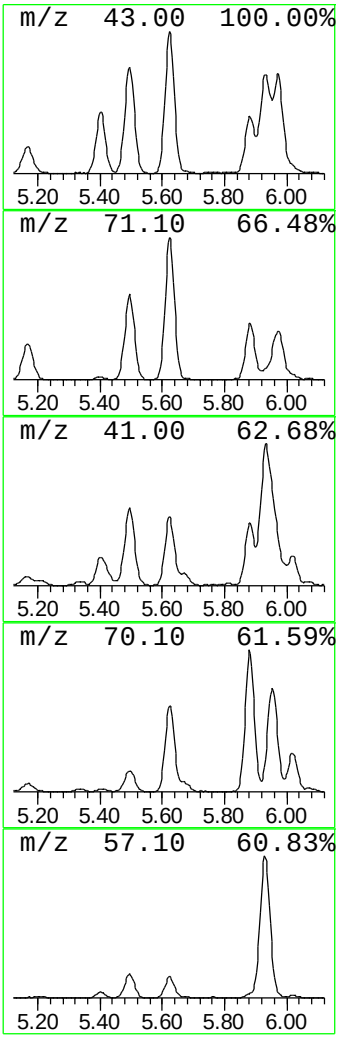
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	5.16 ug/L	694699	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

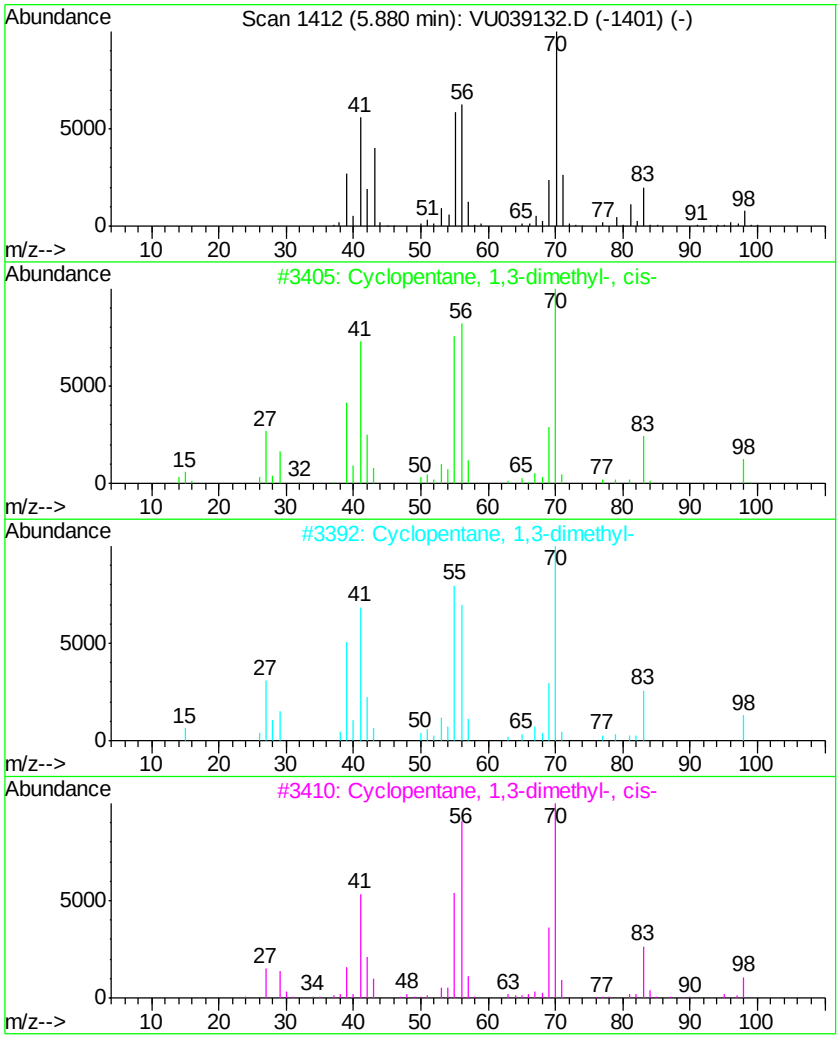
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

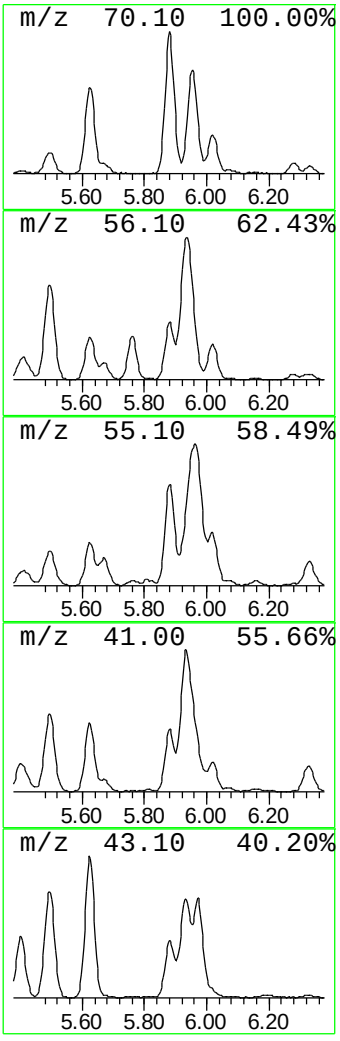
****

Peak Number 3 (DEL) Alkane: Cyclic5.88 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.88	4.40 ug/L	592513	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	92
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	74
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

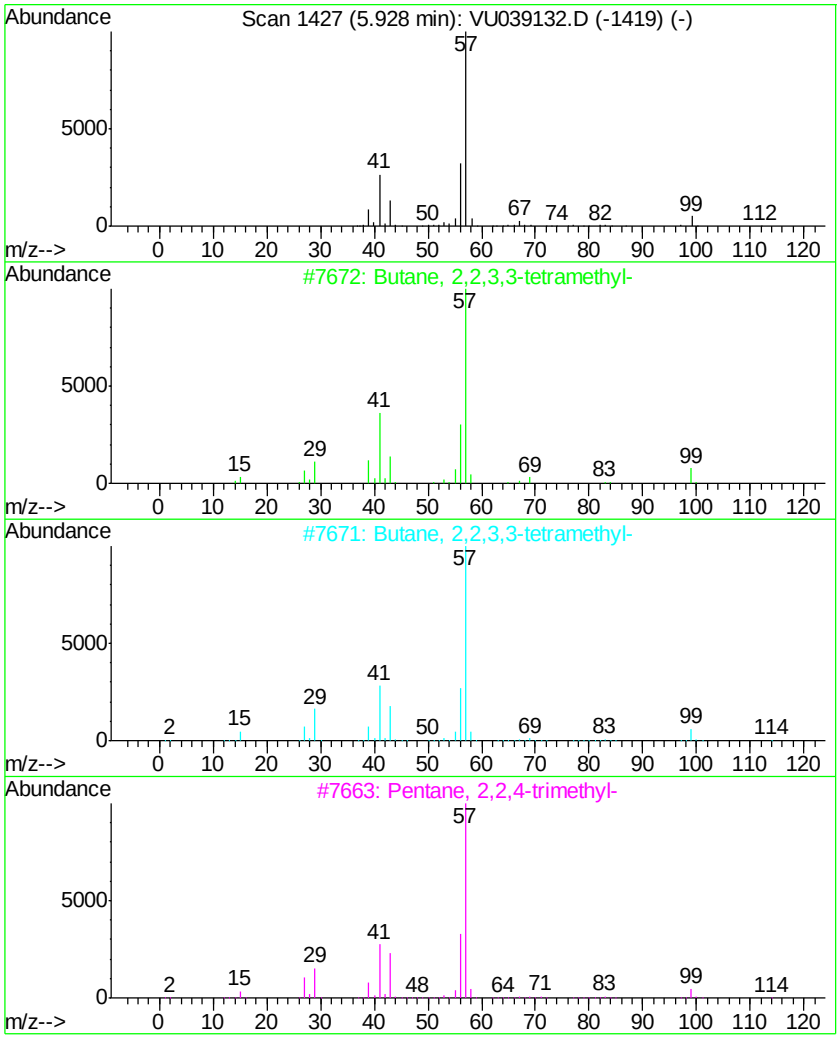
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

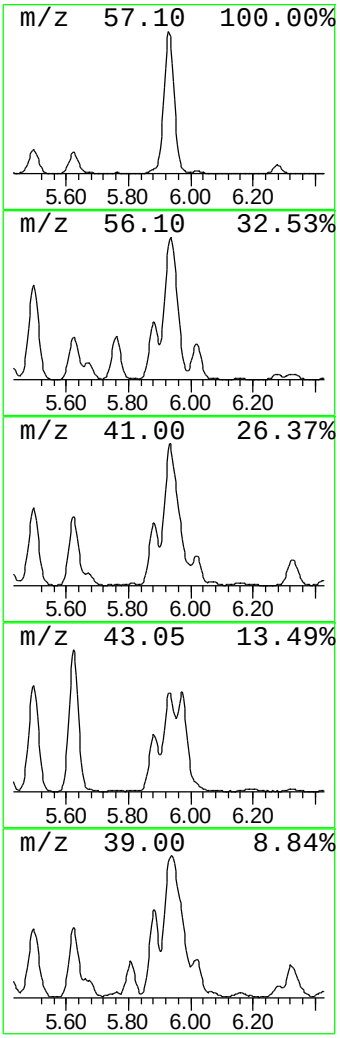
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	13.51 ug/L	1816770	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

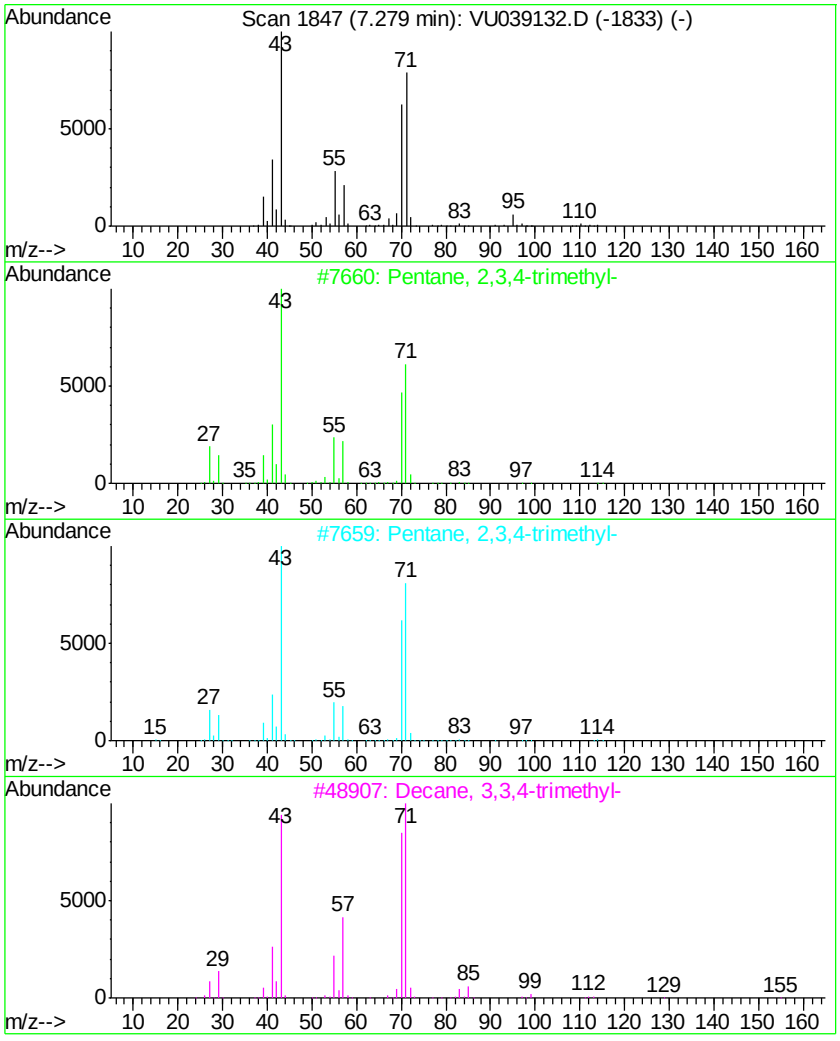
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

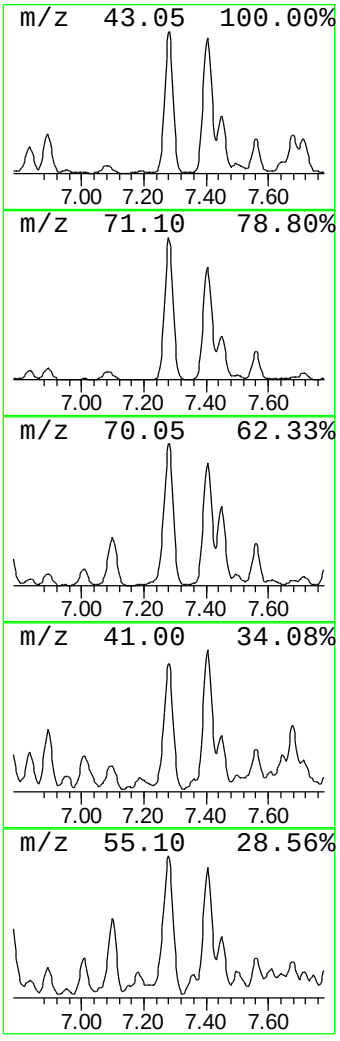
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	6.69 ug/L	899485	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
4	Hexanoic acid, 1,1-dimethylpropy...	186	C11H22O2	116423-69-9	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

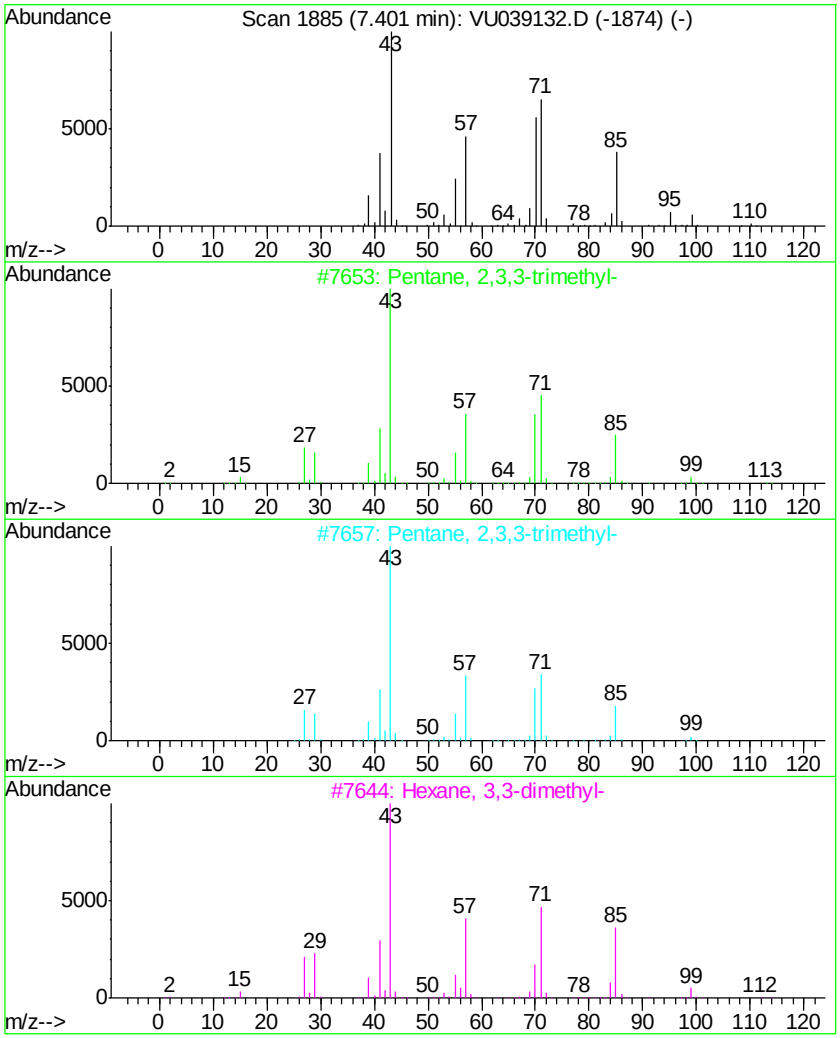
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

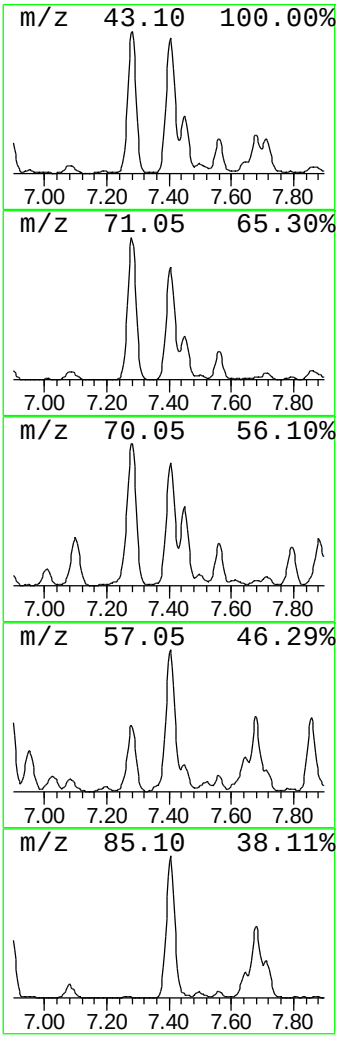
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	6.50 ug/L	873801	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

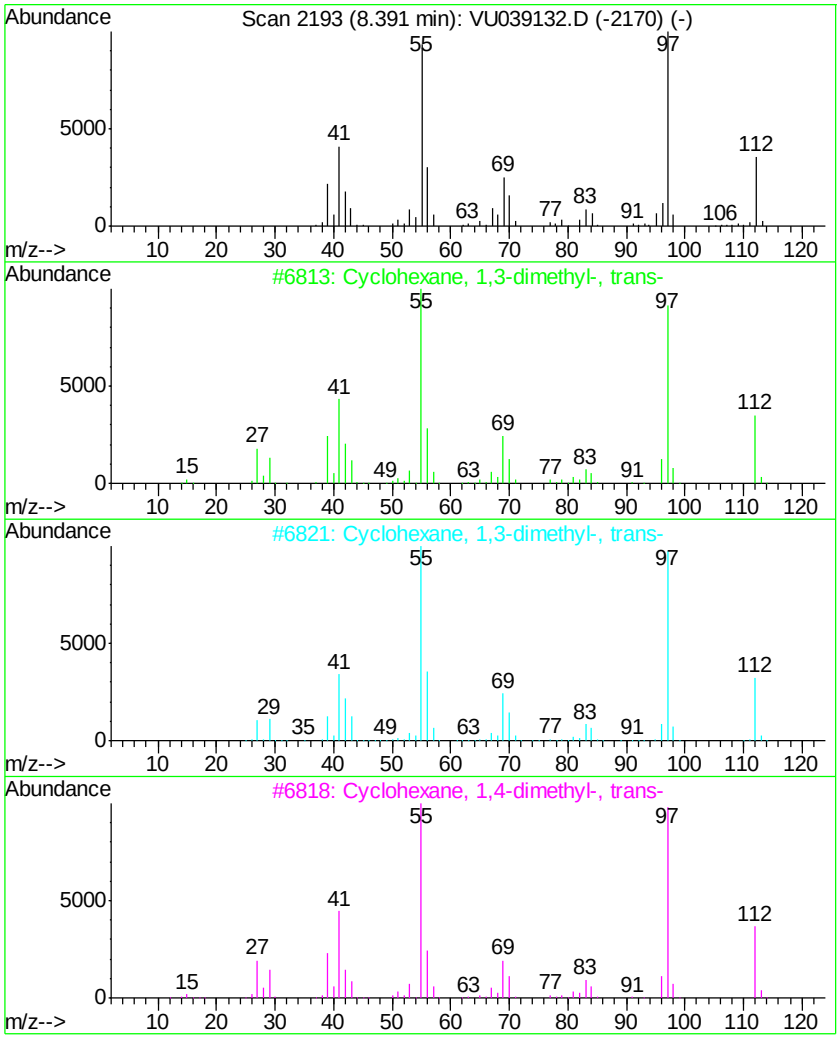
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

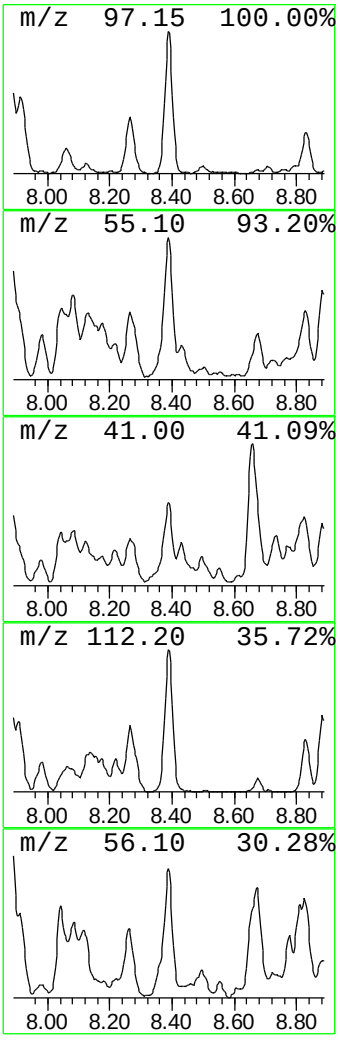
****

Peak Number 8 (DEL) Alkane: Cyclic8.39 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	2.35 ug/L	393681	Chlorobenzene-d5	9.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

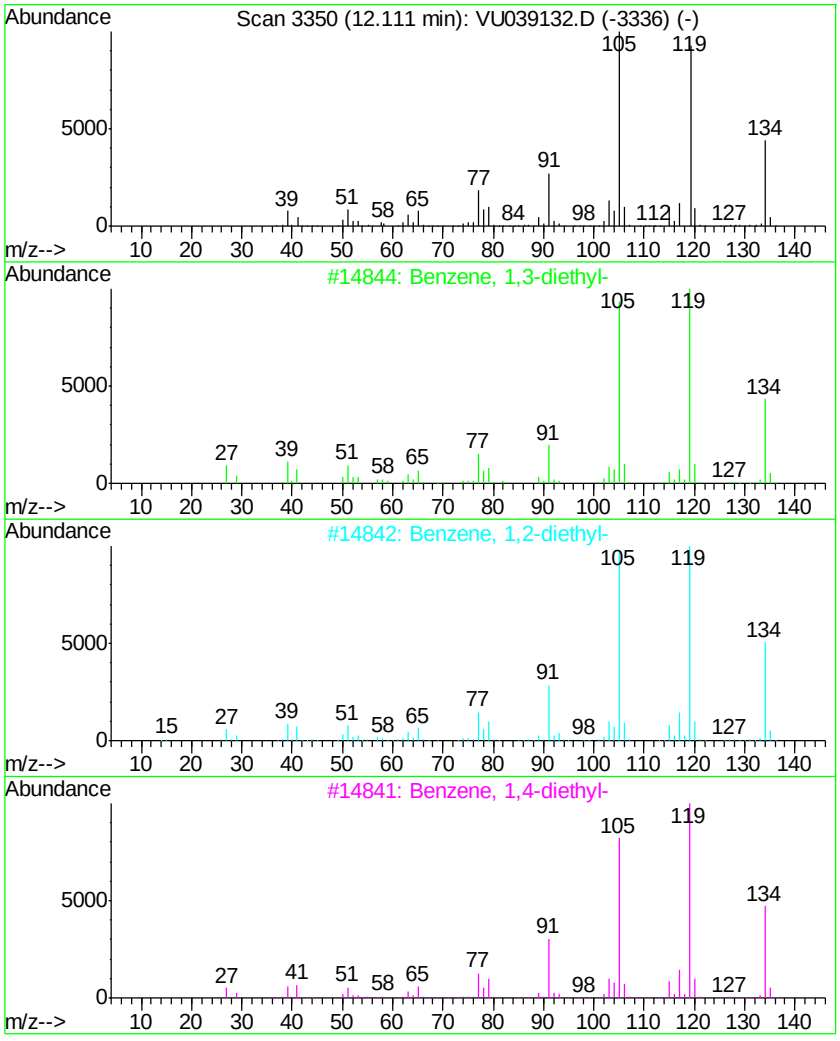
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

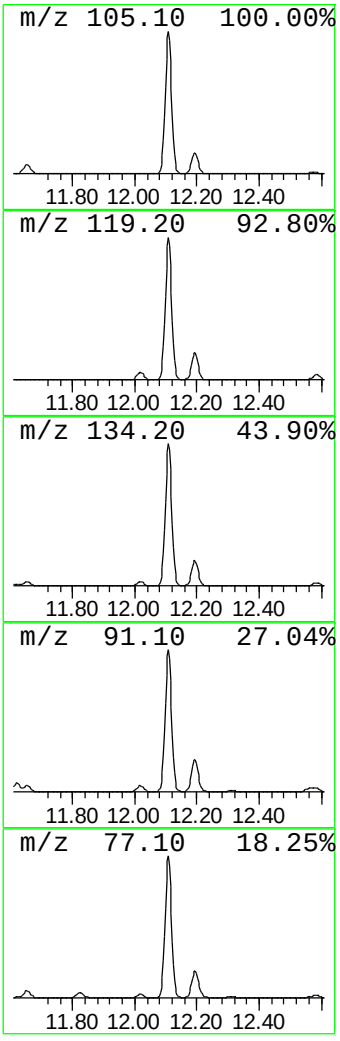
****

Peak Number 9 Benzene, 1,3-diethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	27.17 ug/L	4448410	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

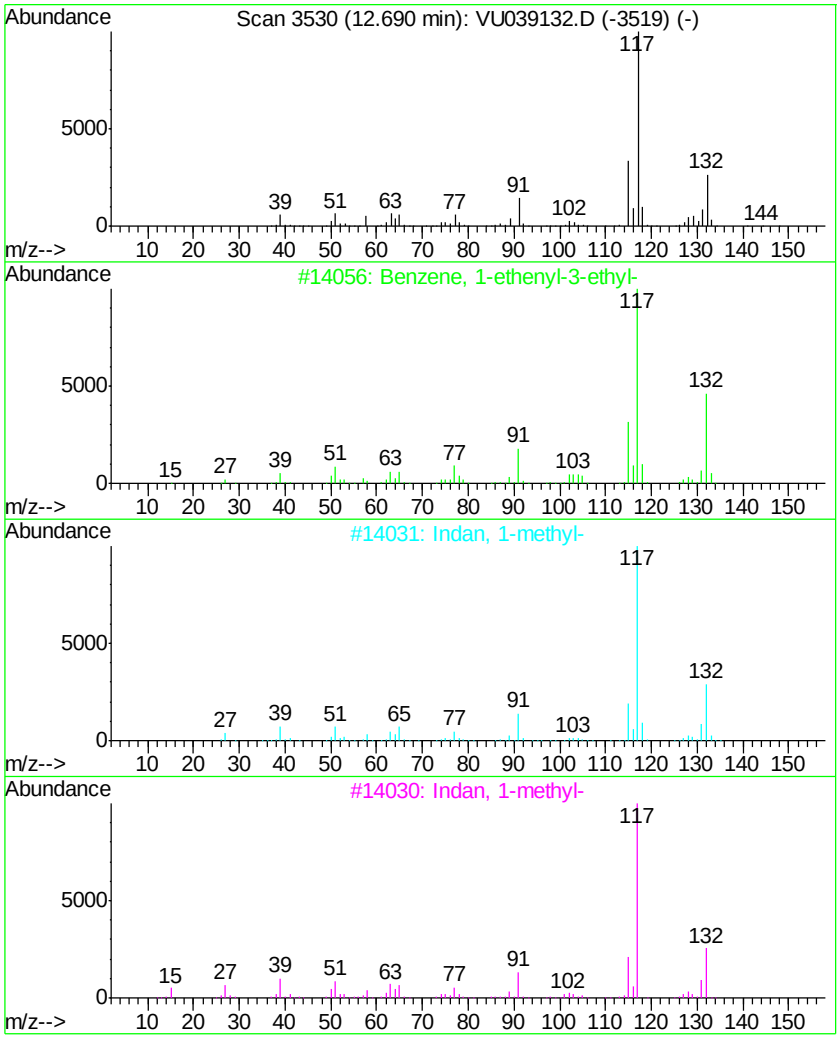
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

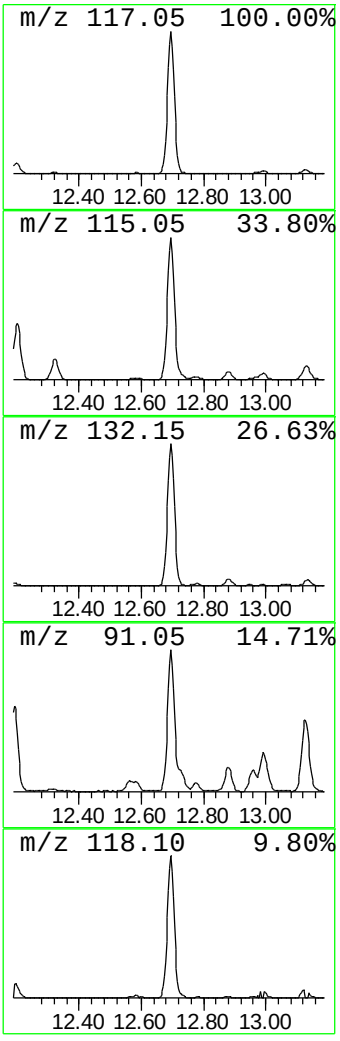
****

Peak Number 10 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	14.52 ug/L	2377880	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80





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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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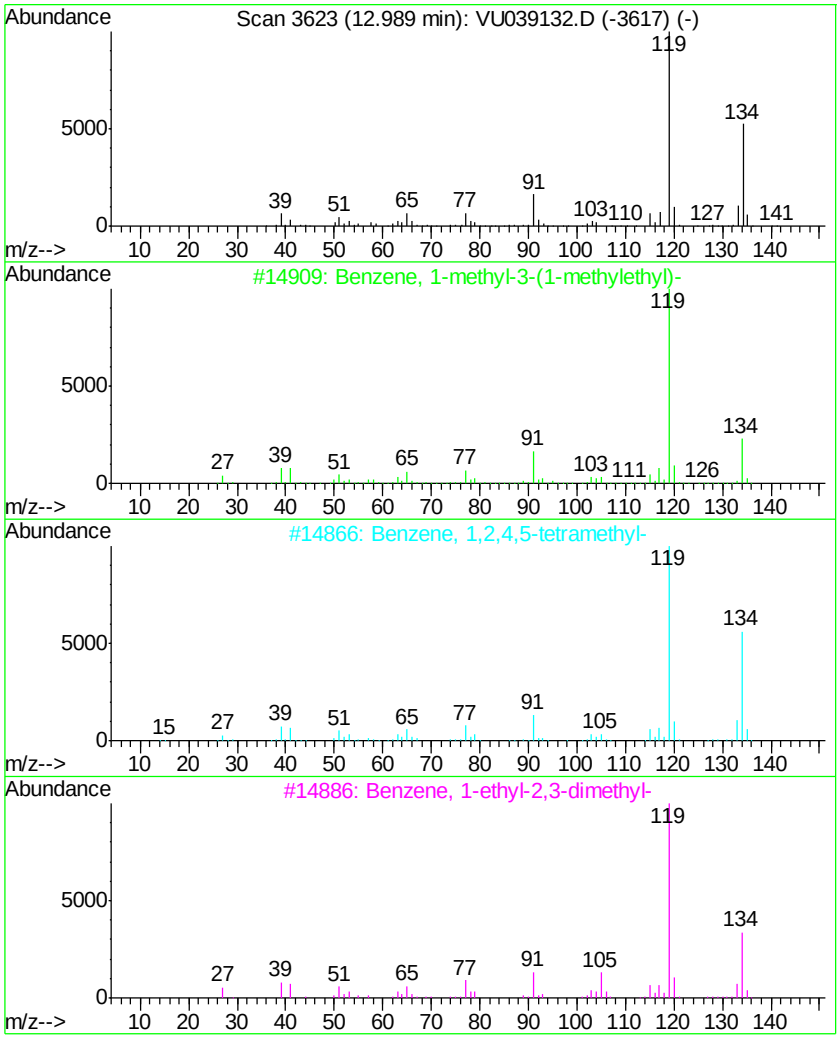
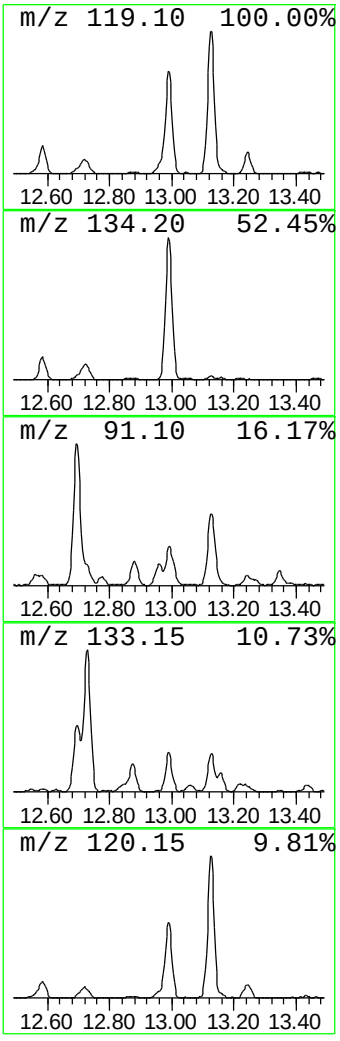
Peak Number 11 Benzene, 1-methyl-3-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.63 ug/L	430612	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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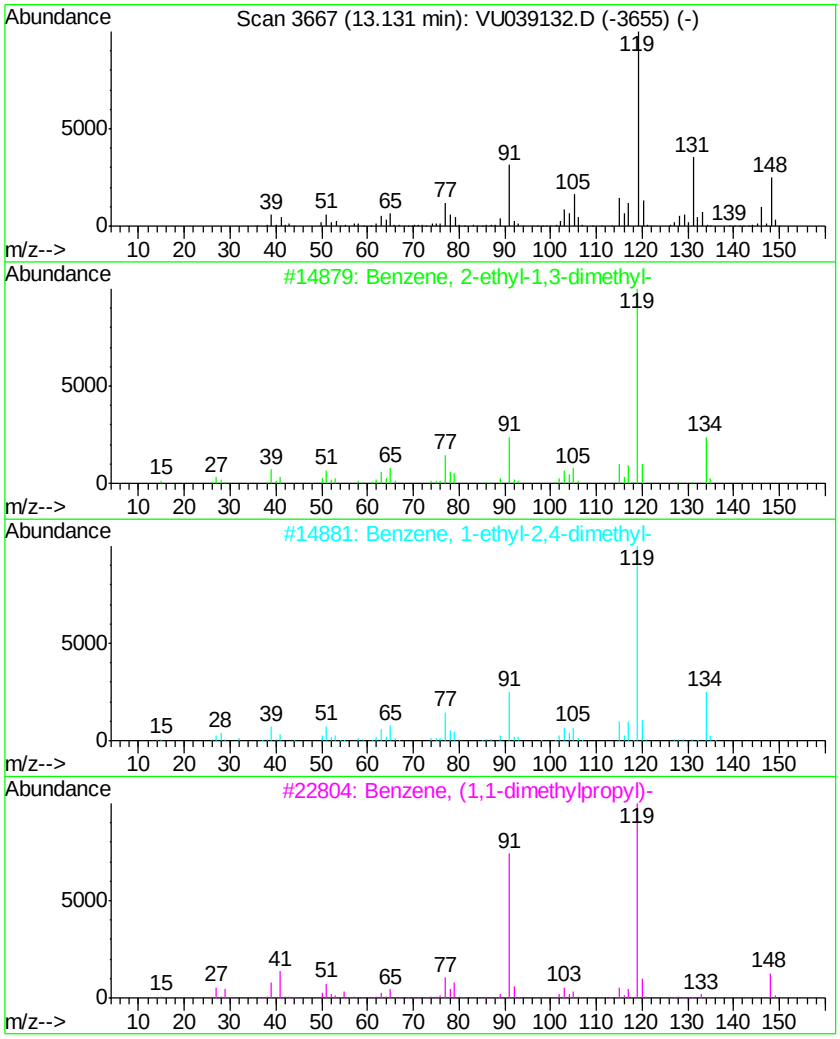
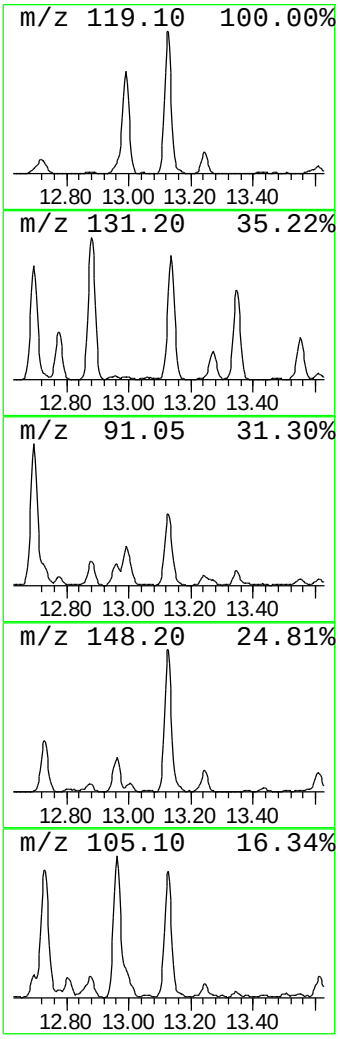
Peak Number 12 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	4.71 ug/L	771491	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53
5	o-Cymene	134	C10H14	000527-84-4	53





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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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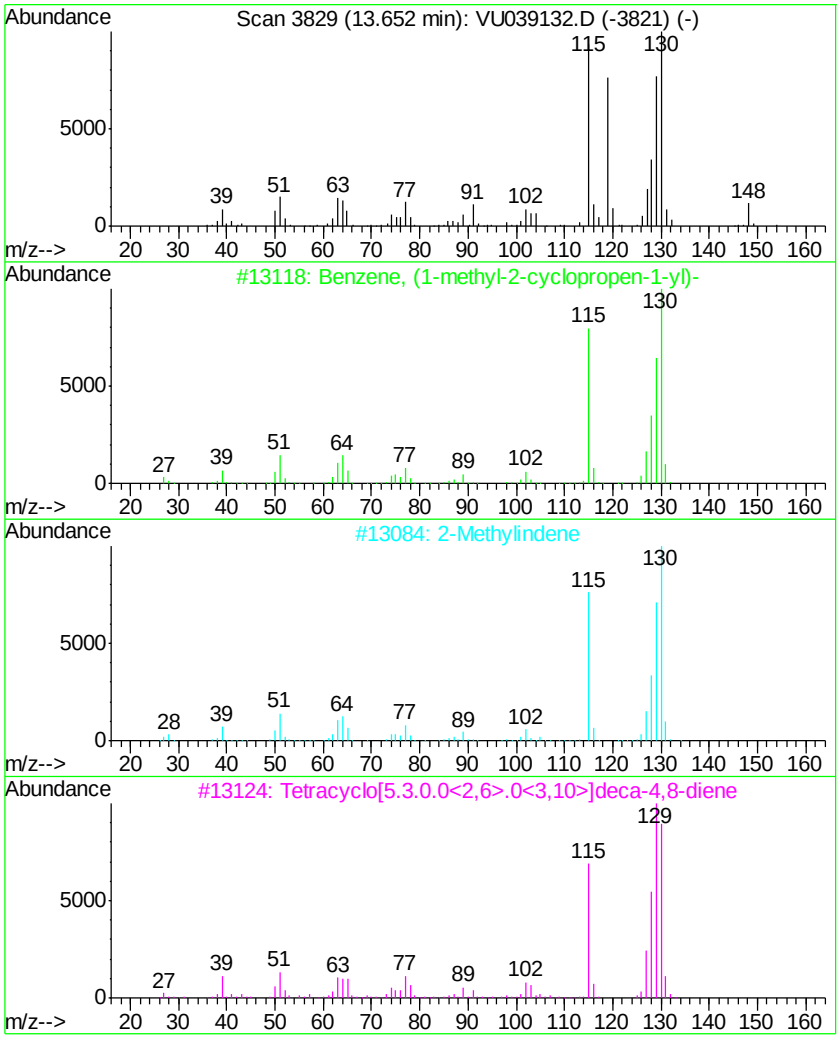
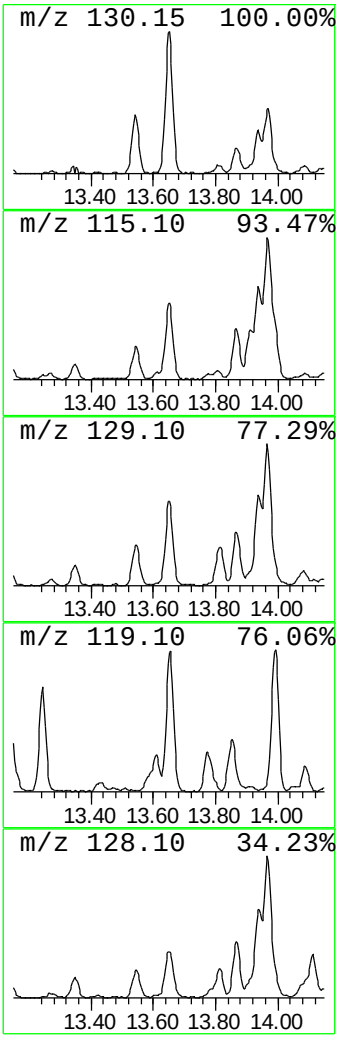
Peak Number 13 Benzene, (1-methyl-2-cyclop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.15 ug/L	352822	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2	2-Methylindene	130	C10H10	002177-47-1	95
3	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	95
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	91





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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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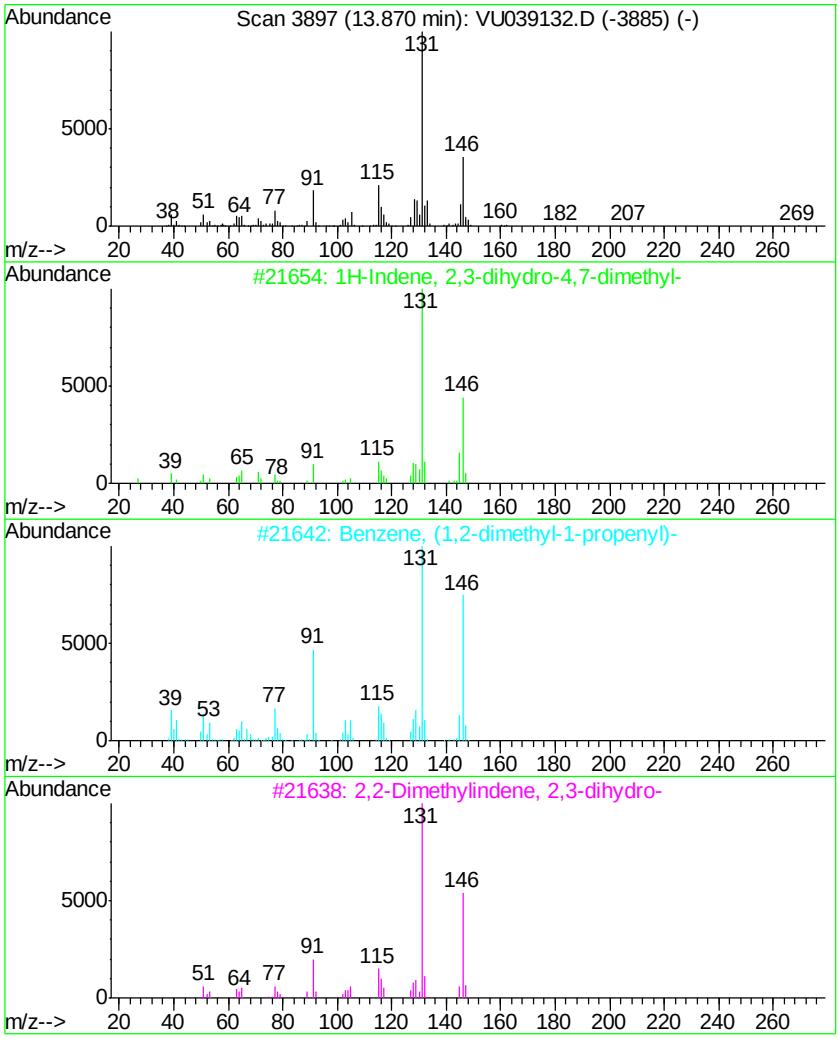
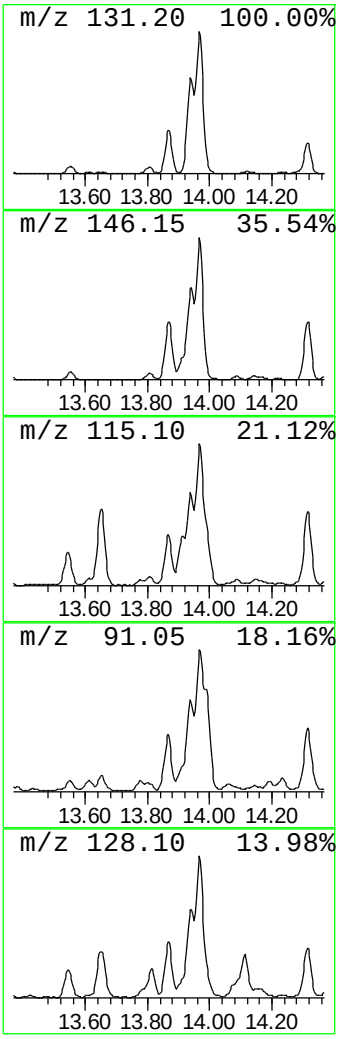
Peak Number 14 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.31 ug/L	542174	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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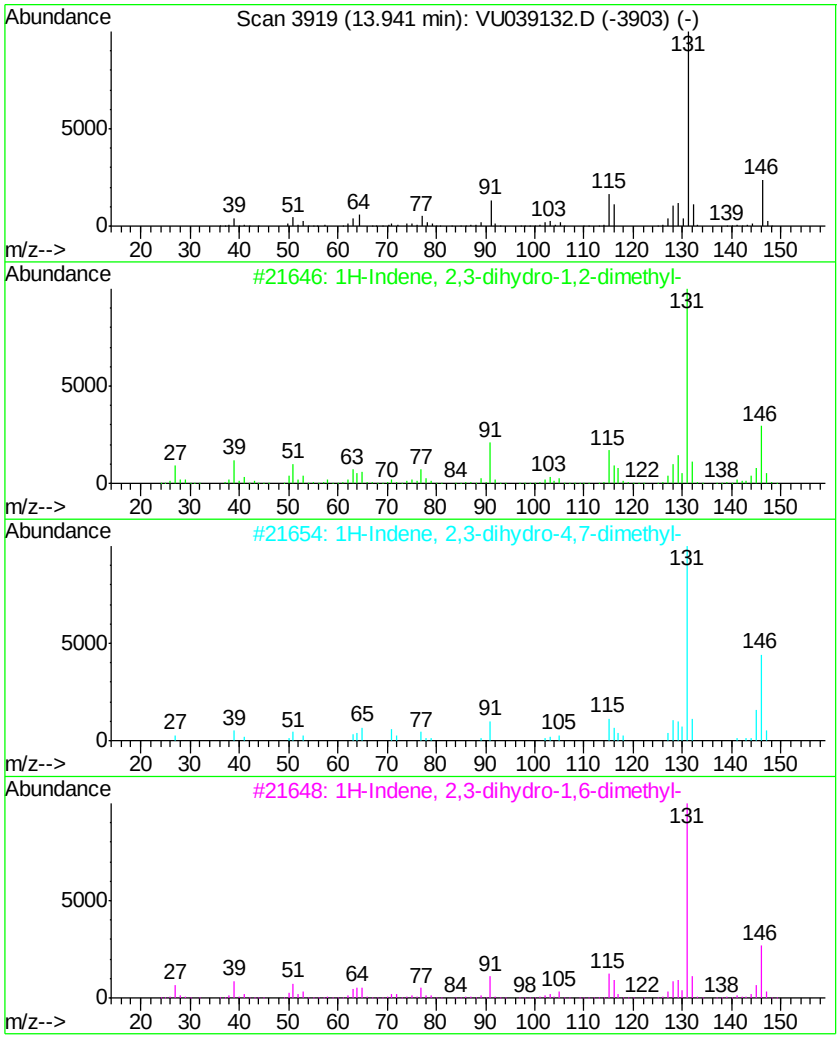
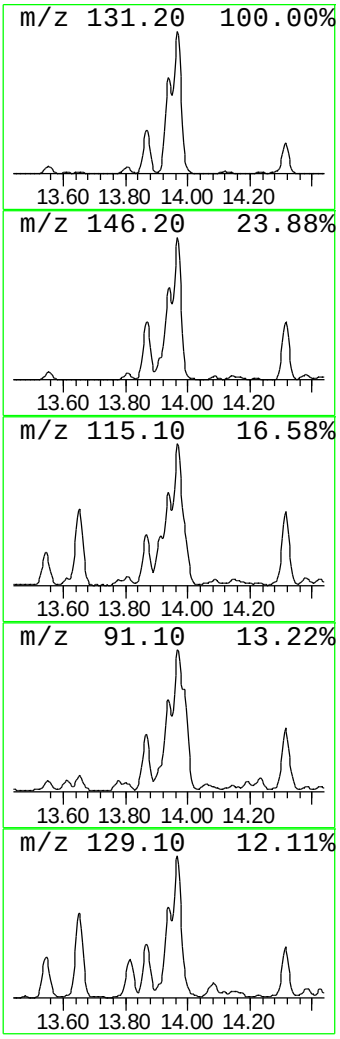
Peak Number 15 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	6.35 ug/L	1039300	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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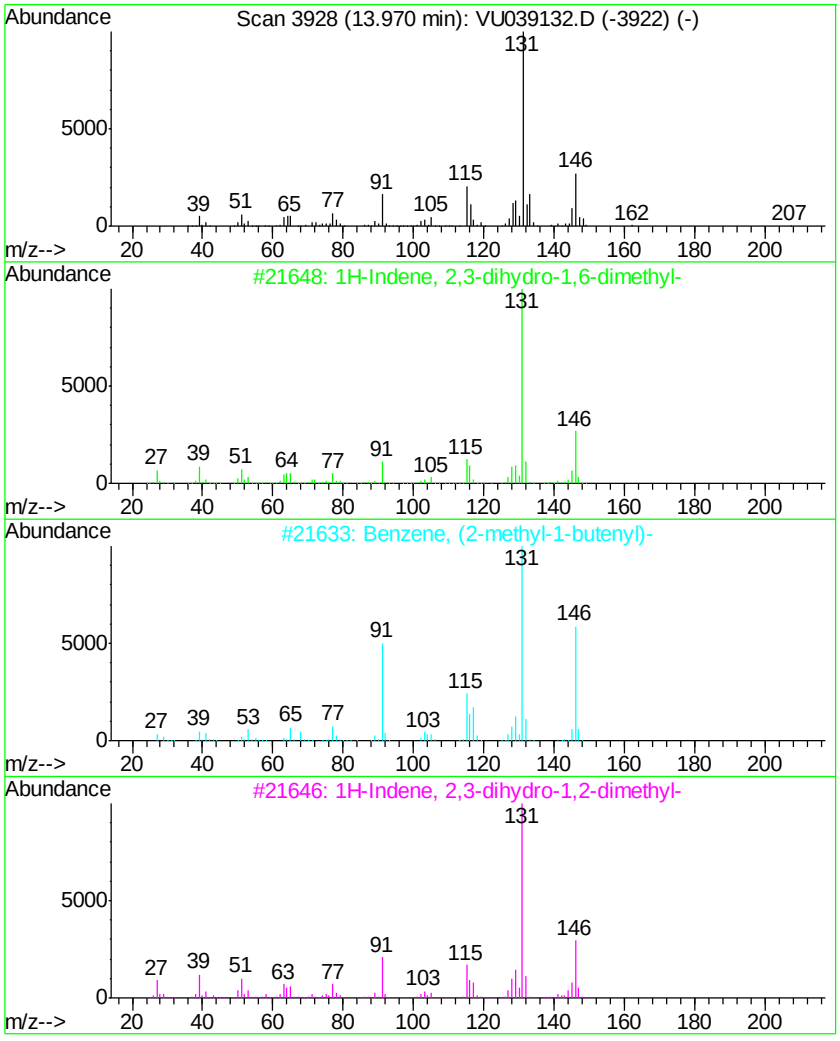
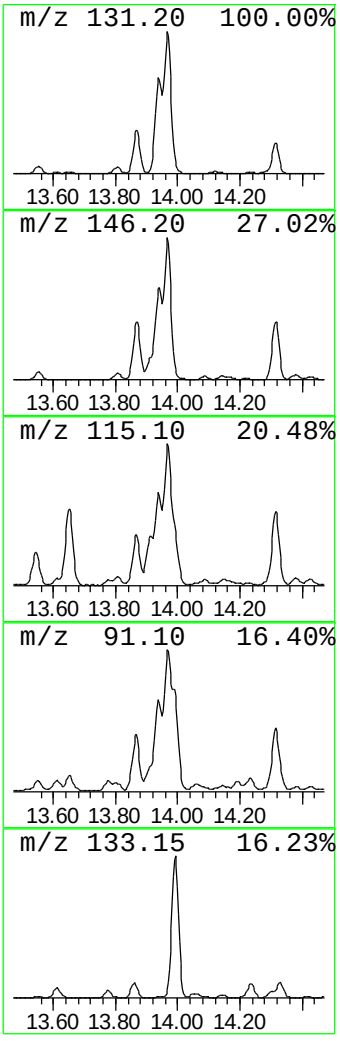
Peak Number 16 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	12.27 ug/L	2008680	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91





Library Search Compound Report

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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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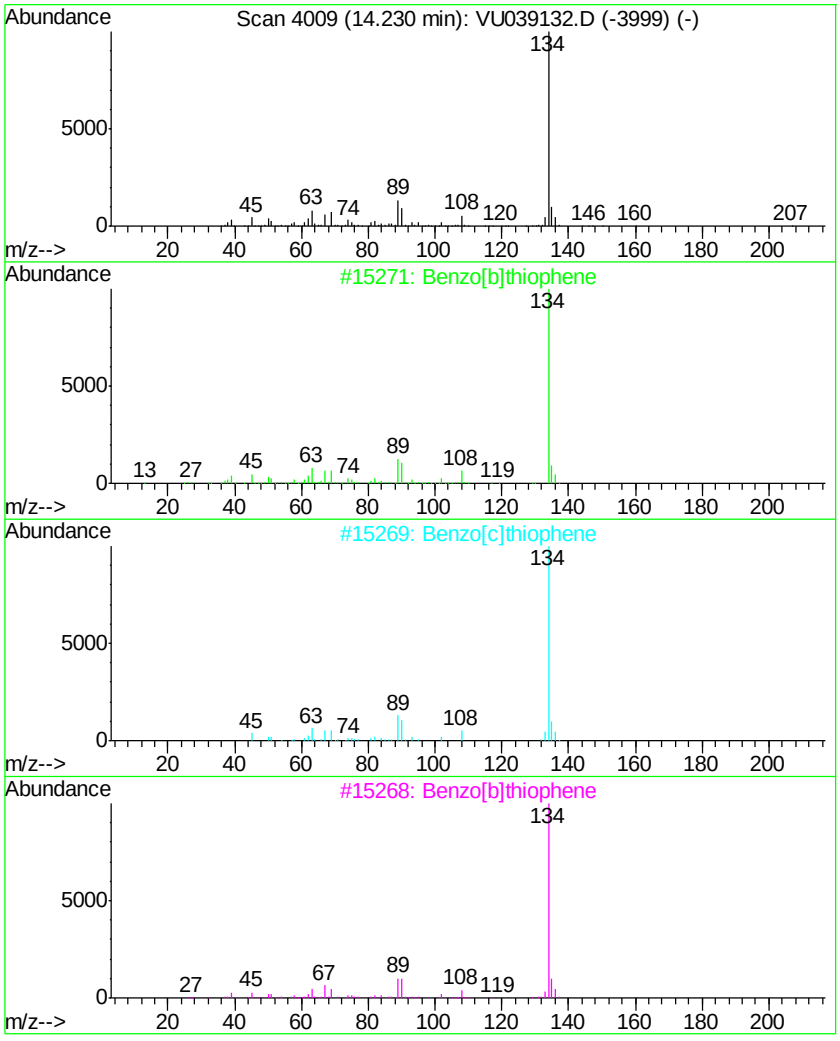
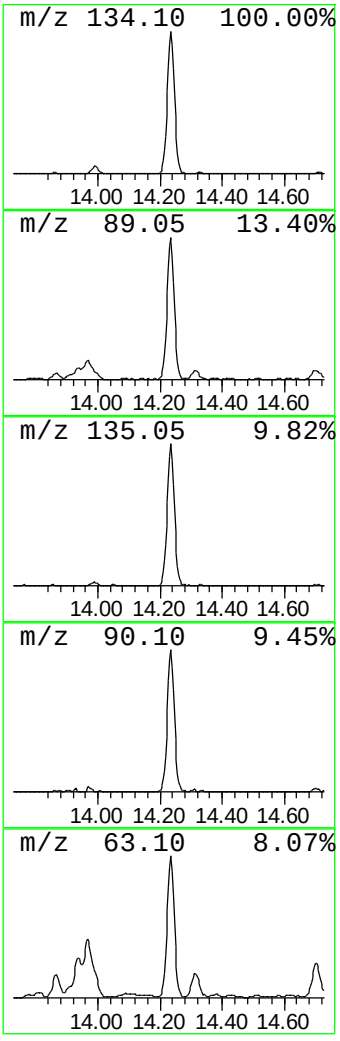
Peak Number 17 Benzo[b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	8.71 ug/L	1425370	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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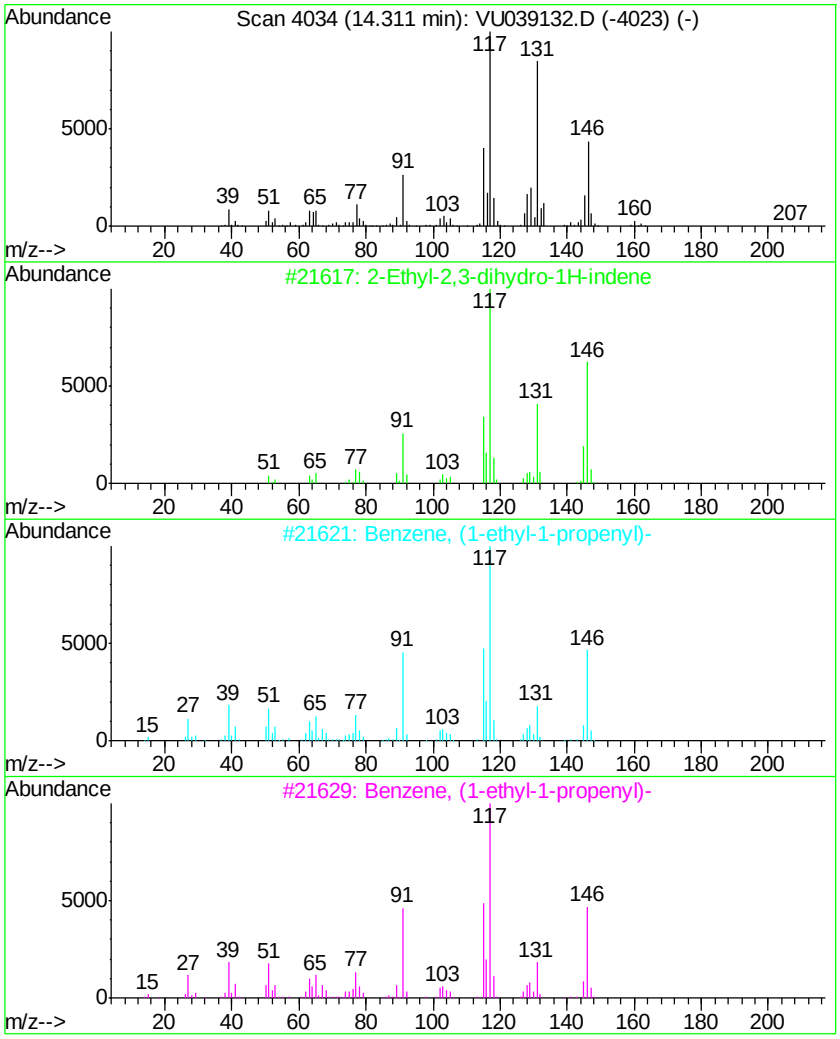
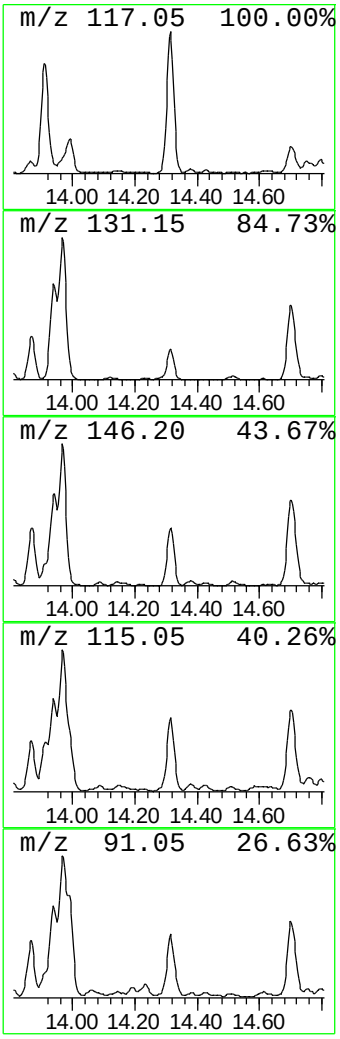
Peak Number 18 2-Ethyl-2,3-dihydro-1H-indene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	3.88 ug/L	635207	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	64
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	60
3	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	60
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55





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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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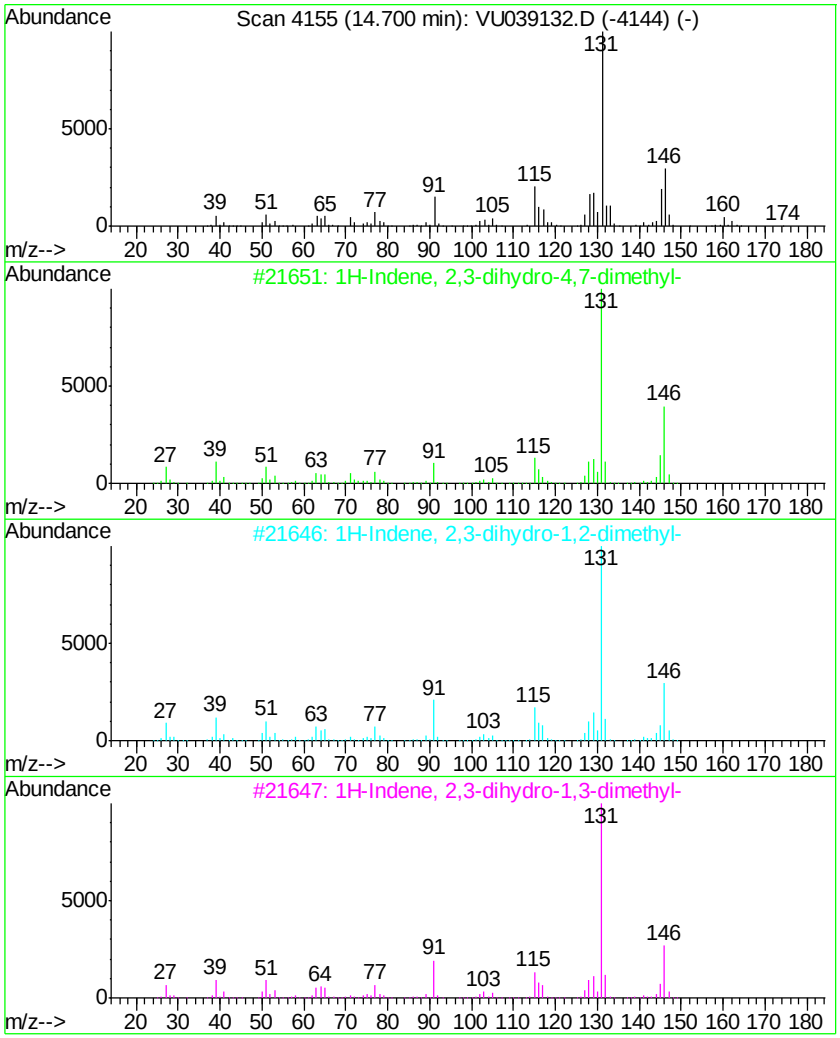
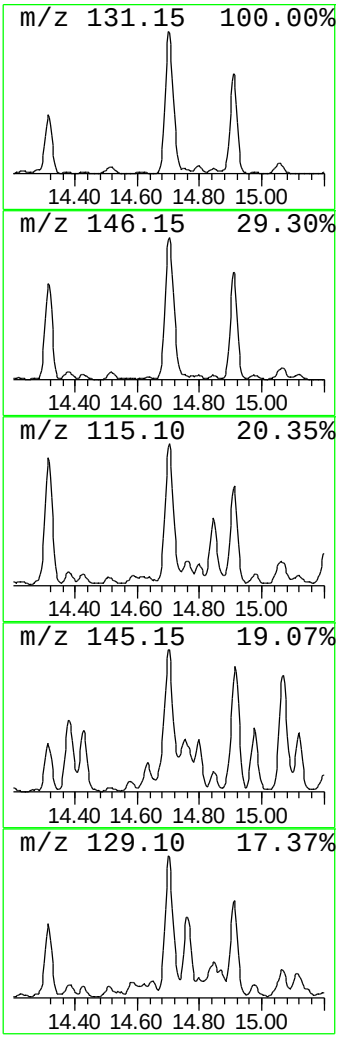
Peak Number 19 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	6.49 ug/L	1062250	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	83
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	81





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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

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

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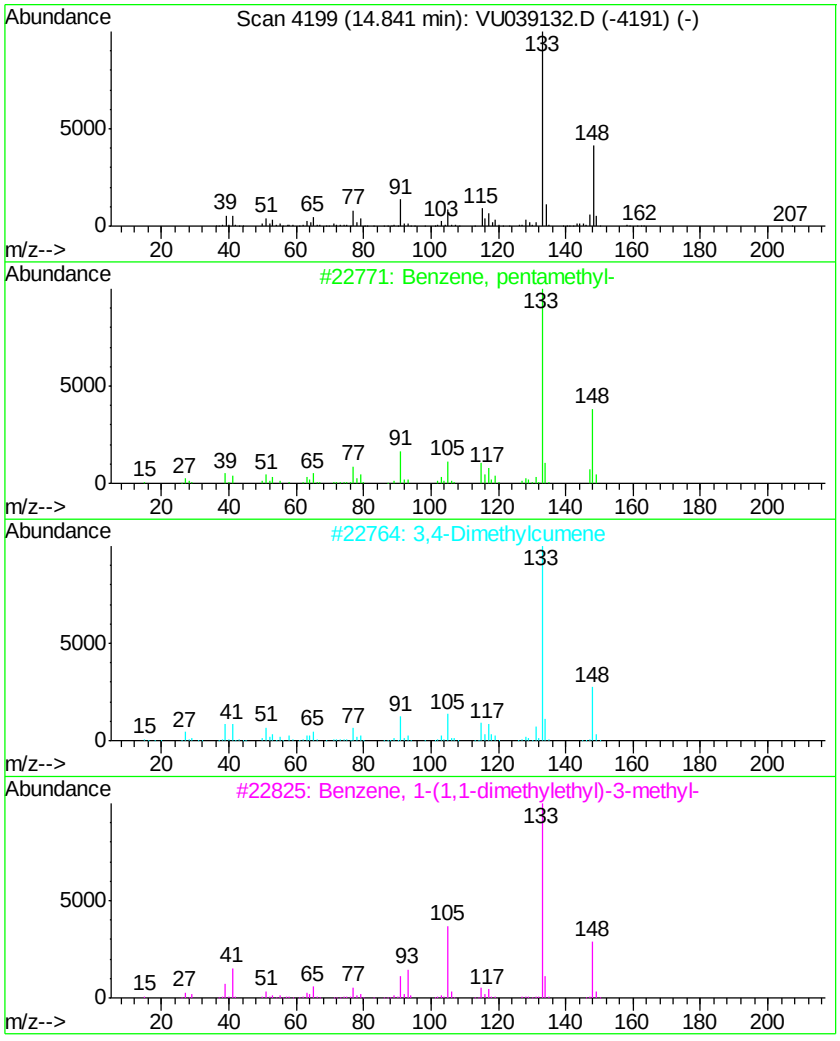
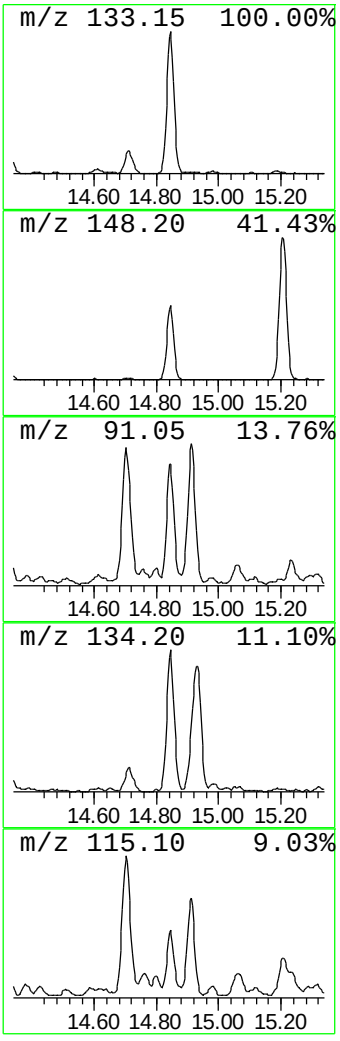
Peak Number 20 Benzene, pentamethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	3.95 ug/L	647302	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	91
3	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	91
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90





Library Search Compound Report

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Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

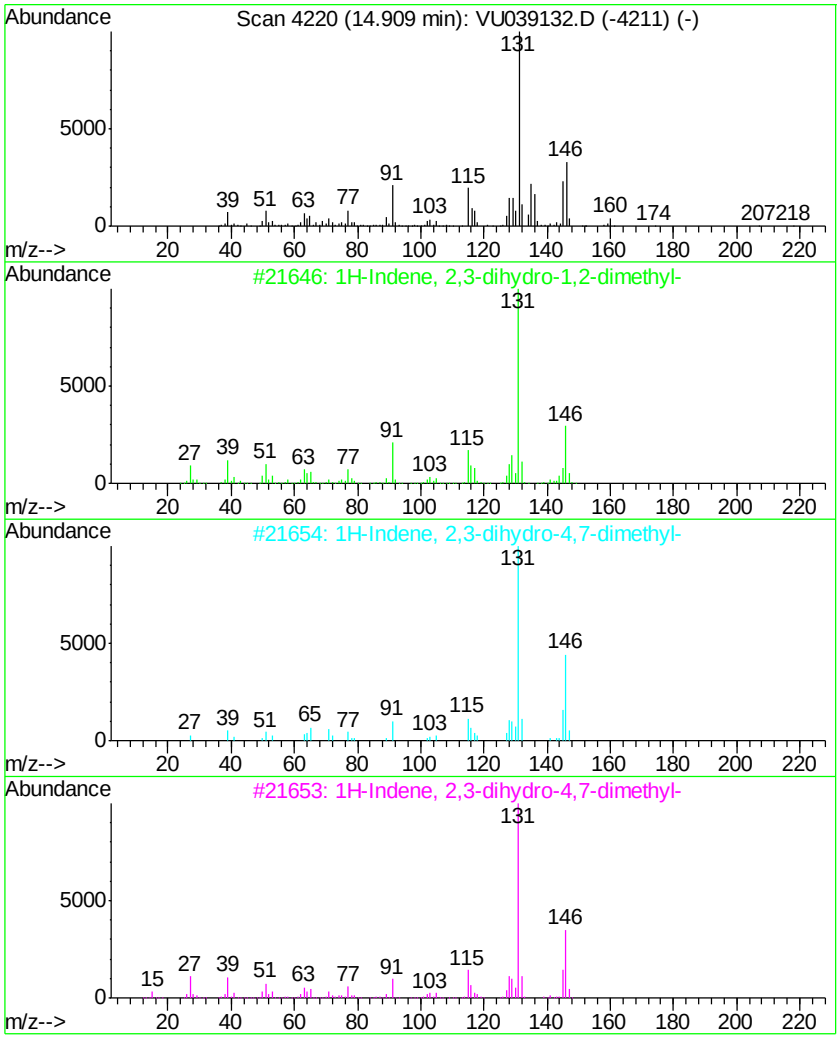
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

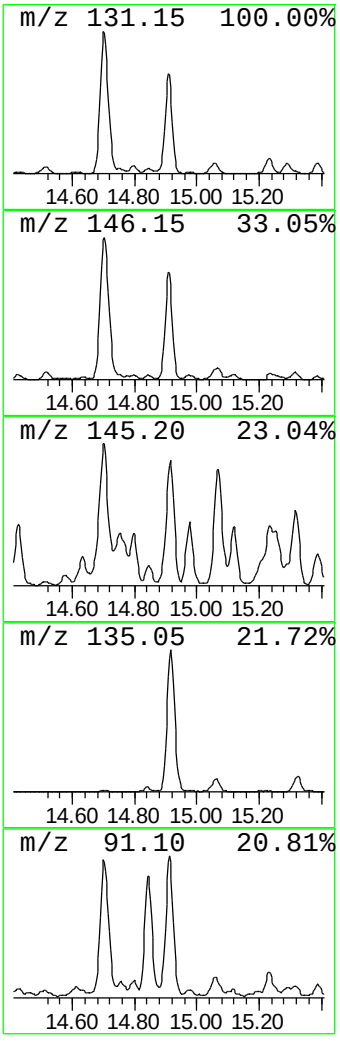
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	5.12 ug/L	837728	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	89
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

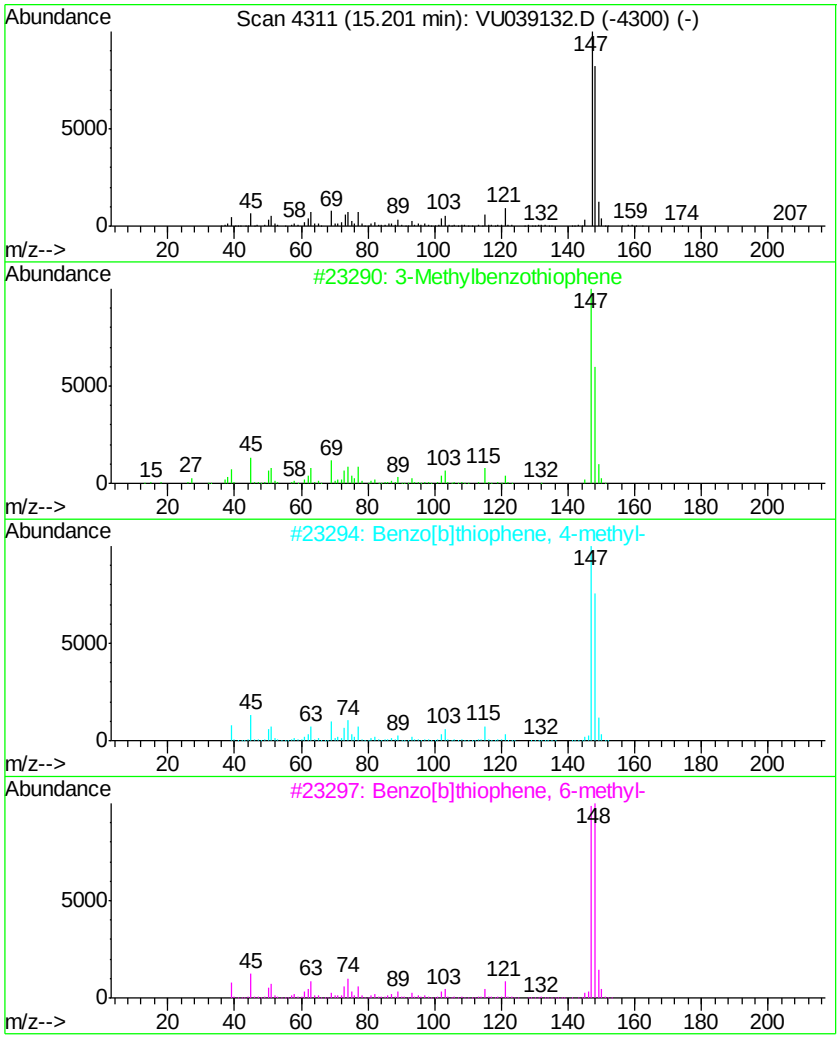
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

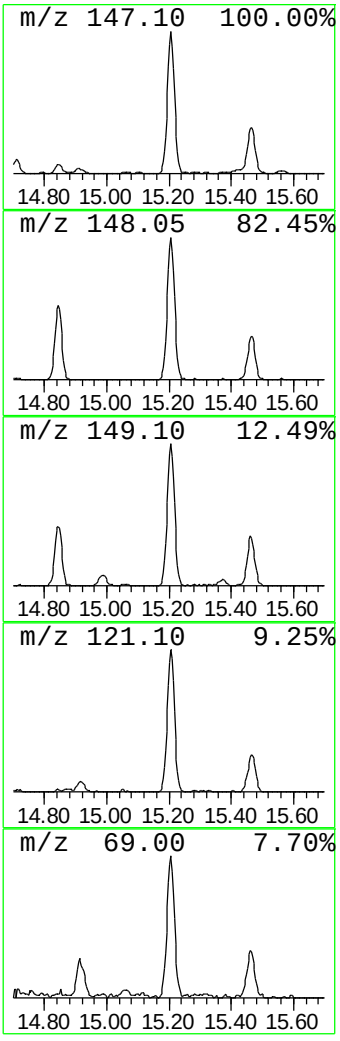
****

Peak Number 22 3-Methylbenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	5.90 ug/L	966299	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
3	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062520\
Data File : VU039132.D
Acq On : 25 Jun 2020 23:09
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.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...	5.49	5.2	ug/L	701176	1	6.28	672601	5.0
(DEL) Alkane: Str...	5.62	5.2	ug/L	694699	1	6.28	672601	5.0
(DEL) Alkane: Cyc...	5.88	4.4	ug/L	592513	1	6.28	672601	5.0
(DEL) Alkane: Str...	5.93	13.5	ug/L	1816770	1	6.28	672601	5.0
(DEL) Alkane: Str...	7.28	6.7	ug/L	899485	1	6.28	672601	5.0
(DEL) Alkane: Str...	7.40	6.5	ug/L	873801	1	6.28	672601	5.0
(DEL) Alkane: Cyc...	8.39	2.4	ug/L	393681	2	9.43	838379	5.0
Benzene, 1,3-diet...	12.11	27.2	ug/L	4448410	3	11.82	818659	5.0
Benzene, 1-etheny...	12.69	14.5	ug/L	2377880	3	11.82	818659	5.0
Benzene, 1-methyl...	12.99	2.6	ug/L	430612	3	11.82	818659	5.0
Benzene, 2-ethyl-...	13.13	4.7	ug/L	771491	3	11.82	818659	5.0
Benzene, (1-methy...	13.65	2.1	ug/L	352822	3	11.82	818659	5.0
1H-Indene, 2,3-di...	13.87	3.3	ug/L	542174	3	11.82	818659	5.0
1H-Indene, 2,3-di...	13.94	6.3	ug/L	1039300	3	11.82	818659	5.0
1H-Indene, 2,3-di...	13.97	12.3	ug/L	2008680	3	11.82	818659	5.0
Benzo[b]thiophene	14.23	8.7	ug/L	1425370	3	11.82	818659	5.0
2-Ethyl-2,3-dihyd...	14.31	3.9	ug/L	635207	3	11.82	818659	5.0
1H-Indene, 2,3-di...	14.70	6.5	ug/L	1062250	3	11.82	818659	5.0
Benzene, pentamet...	14.84	4.0	ug/L	647302	3	11.82	818659	5.0
Benzene, (1,2-dim...	14.91	5.1	ug/L	837728	3	11.82	818659	5.0
3-Methylbenzothio...	15.20	5.9	ug/L	966299	3	11.82	818659	5.0