LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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	2.003	196	206	223	rBV	529443	680528	1.43%	0.651%
2	3.096	540	546	556	rVV	253813	483560	1.02%	0.463%
3	3.411	615	644	676	rBV	18394024	47556622	100.00%	45.488%
4	4.700	1028	1045	1092	rVB2	434359	1368893	2.88%	1.309%
5	5.391	1246	1260	1275	rBV4	262143	653866	1.37%	0.625%
6	5.481	1275	1288	1311	rVB2	553293	1309052	2.75%	1.252%
7	5.613	1311	1329	1339	rBV	624715	1346448	2.83%	1.288%
8	5.752	1356	1372	1381	rBV2	377136	891486	1.87%	0.853%
9	5.800	1381	1387	1397	rVV	248684	511618	1.08%	0.489%
10	5.871	1398	1409	1416	rVV	623774	1328166	2.79%	1.270%
11	5.925	1416	1426	1438	rVV5	1006692	2858444	6.01%	2.734%
12	5.986	1439	1445	1466	rVB4	505320	1340670	2.82%	1.282%
13	6.279	1521	1536	1543	rBV	324087	649165	1.37%	0.621%
14	6.568	1610	1626	1640	rBV3	254833	537994	1.13%	0.515%
15	6.758	1679	1685	1698	rVB3	323579	637293	1.34%	0.610%
16	7.276	1831	1846	1860	rVB	618454	1306704	2.75%	1.250%
17	7.398	1860	1884	1894	rBV2	737983	1623123	3.41%	1.553%
18	7.874	2015	2032	2038	rBV3	332560	713869	1.50%	0.683%
19	7.915	2038	2045	2056	rVB	473429	835594	1.76%	0.799%
20	8.385	2169	2191	2197	rBV2	296346	619164	1.30%	0.592%
21	8.427	2197	2204	2218	rVB	332358	560715	1.18%	0.536%
22	8.665	2267	2278	2289	rBV	880847	1558149	3.28%	1.490%
23	9.433	2506	2517	2526	rBV	453714	739220	1.55%	0.707%
24	11.822	3249	3260	3275	rVB	493073	789925	1.66%	0.756%
25	12.108	3333	3349	3362	rVV	5547331	8157755	17.15%	7.803%
26	12.195	3365	3376	3394	rVB5	1421015	2365126	4.97%	2.262%
27	12.693	3519	3531	3550	rBV	2535659	4275966	8.99%	4.090%
28	12.992	3604	3624	3638	rBV2	693039	1343168	2.82%	1.285%
29	13.127	3655	3666	3688	rVB2	749859	1290418	2.71%	1.234%
30	13.652	3821	3829	3844	rVB2	355751	595837	1.25%	0.570%
31	13.864	3885	3895	3903	rBV2	572016	923208	1.94%	0.883%
32	13.938	3903	3918	3921	rVV2	857858	1560738	3.28%	1.493%
33	13.967	3922	3927	3948	rVB2	1367280	3220418	6.77%	3.080%
34	14.234	3999	4010	4022	rVB	1490941	2336108	4.91%	2.235%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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	14.314	4023	4035	4048	rVB2	643969	1098484	2.31%	1.051%
36	14.703	4144	4156	4167	rBV2	939423	1774238	3.73%	1.697%
37	14.844	4191	4200	4210	rBV	685303	1071503	2.25%	1.025%
38	14.912	4211	4221	4234	rVB3	807359	1423123	2.99%	1.361%
39	15.205	4300	4312	4333	rBV	837748	1651197	3.47%	1.579%
40	15.465	4381	4393	4400	rBV	323809	559301	1.18%	0.535%

Sum of corrected areas: 104546856

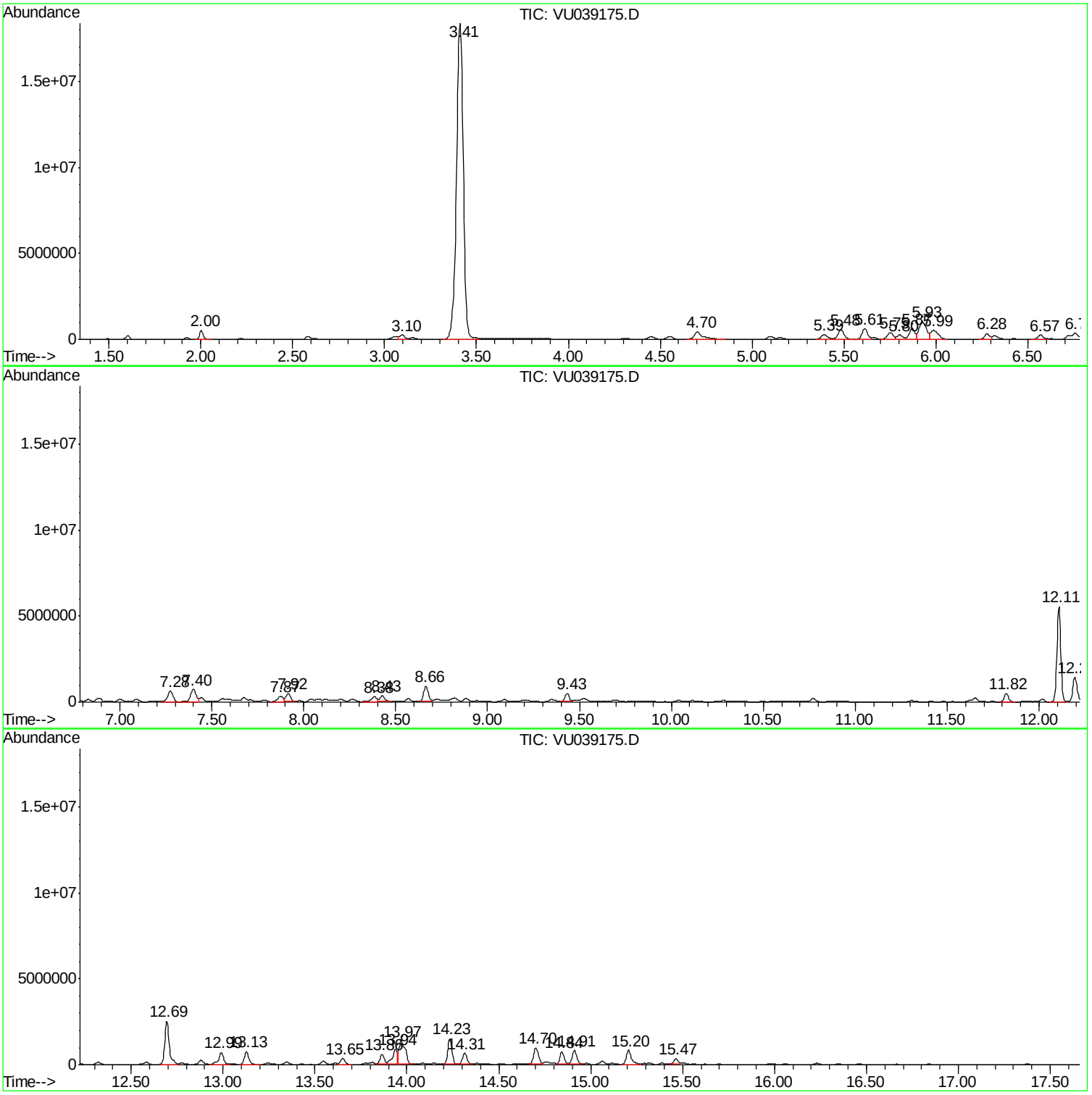
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

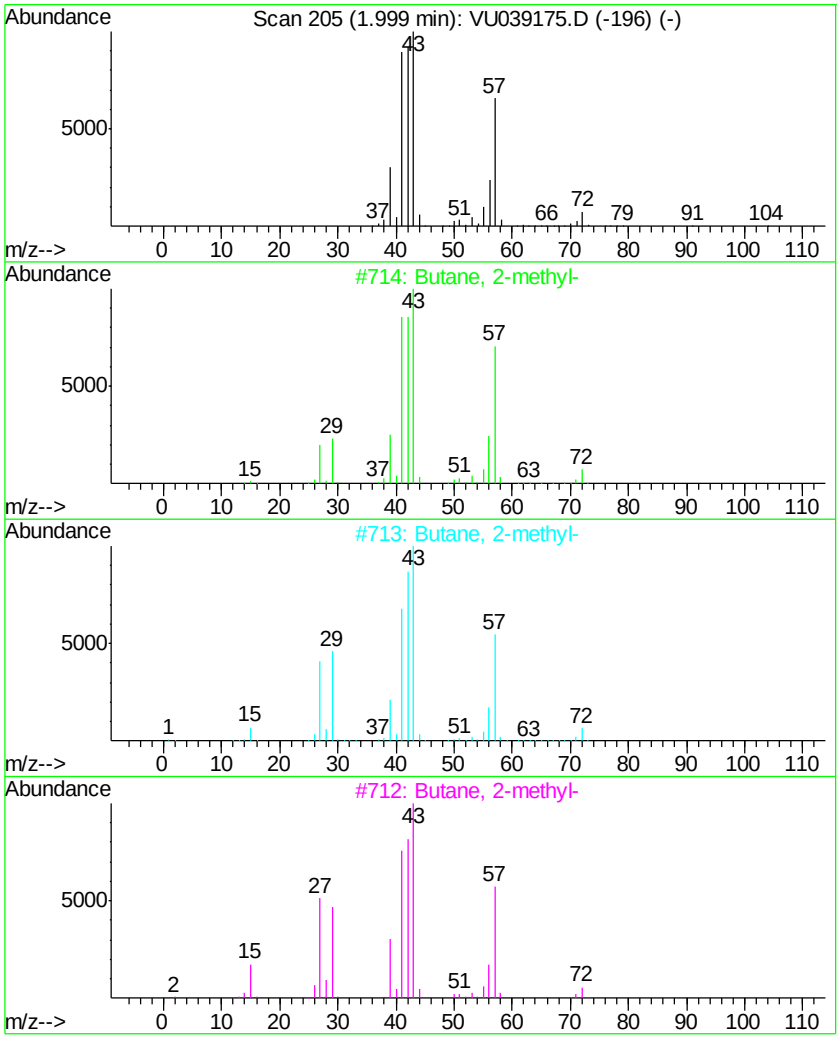
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

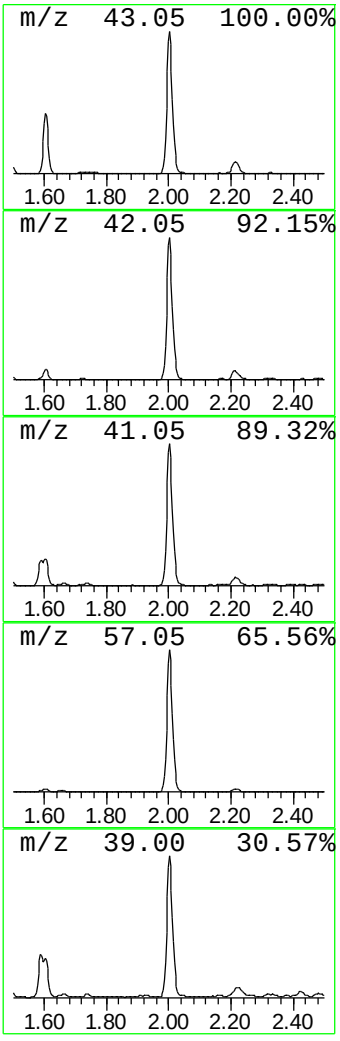
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	5.24 ug/L	680528	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	91
4	3-Buten-1-ol	72	C4H8O	000627-27-0	50
5	Pentane	72	C5H12	000109-66-0	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

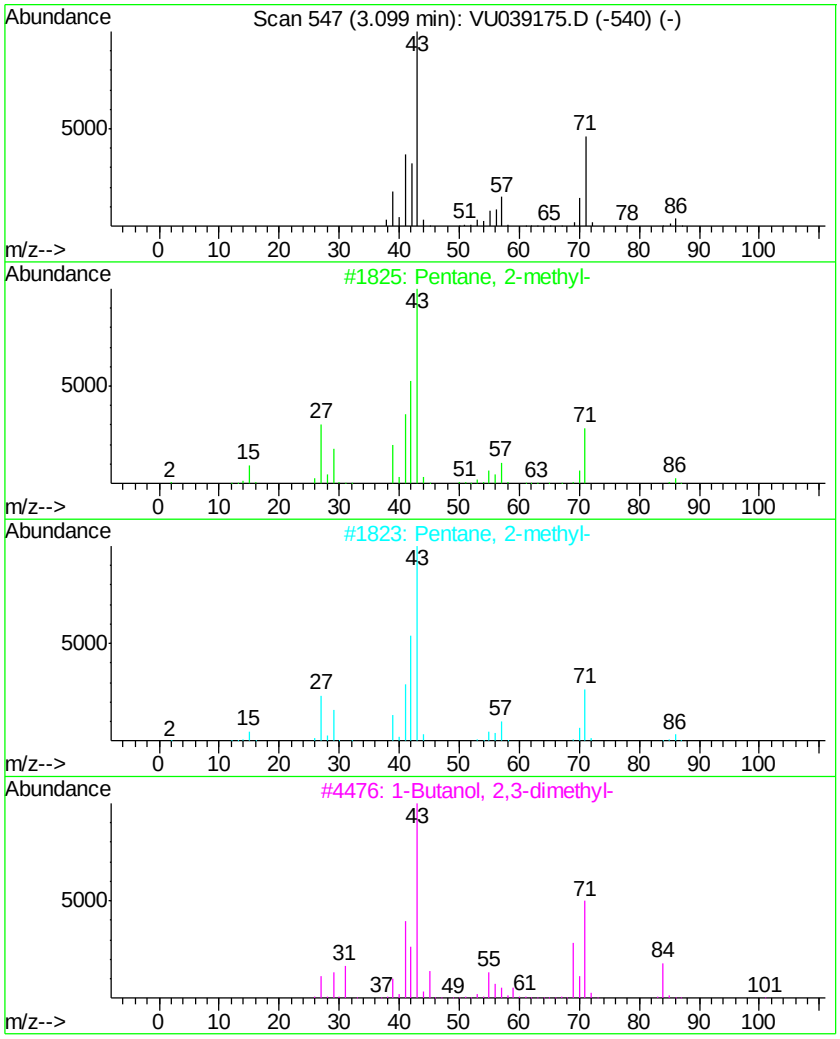
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

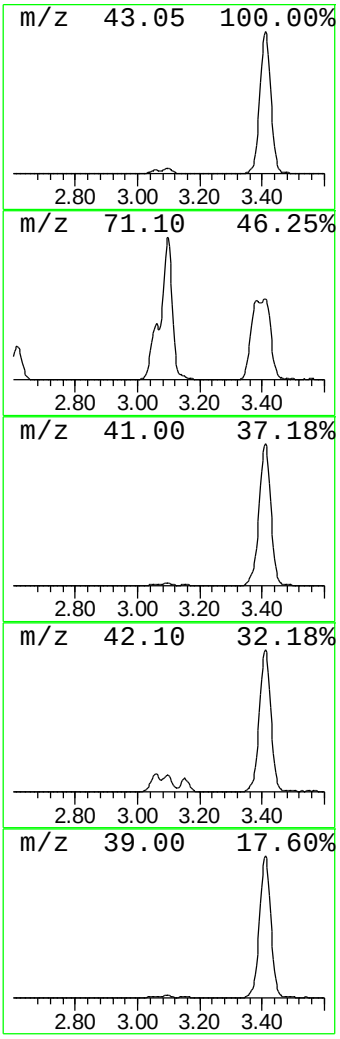
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	3.72 ug/L	483560	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	64
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	45
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	42





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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

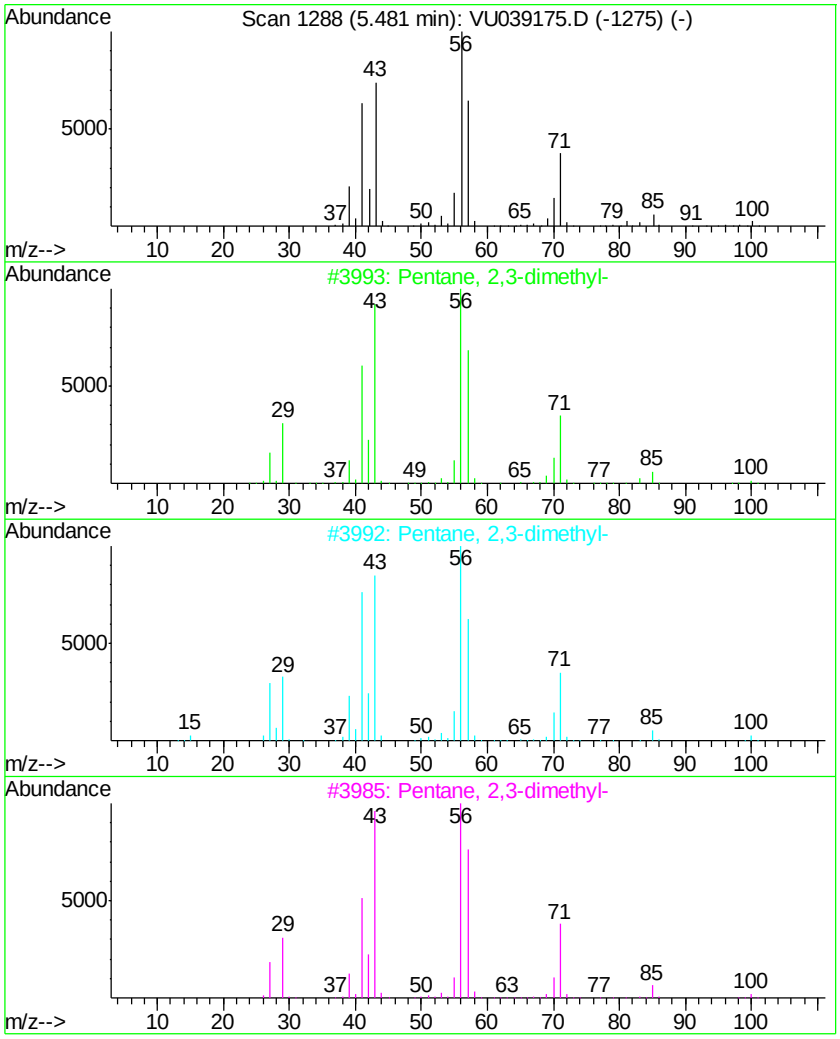
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

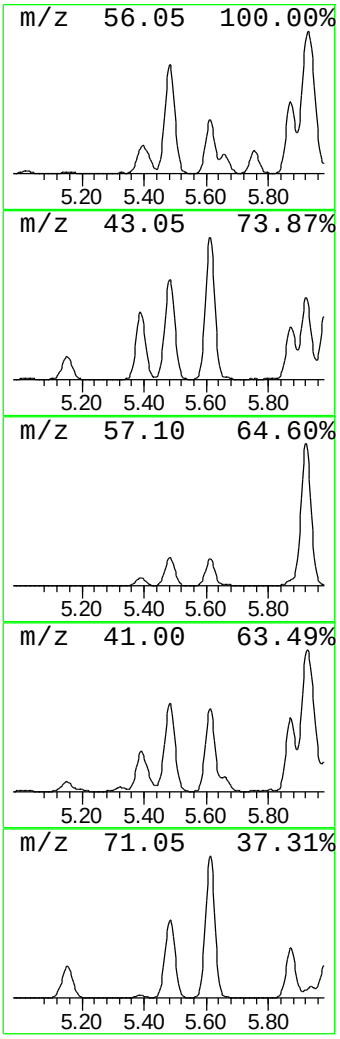
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	10.08 ug/L	1309050	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	94
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

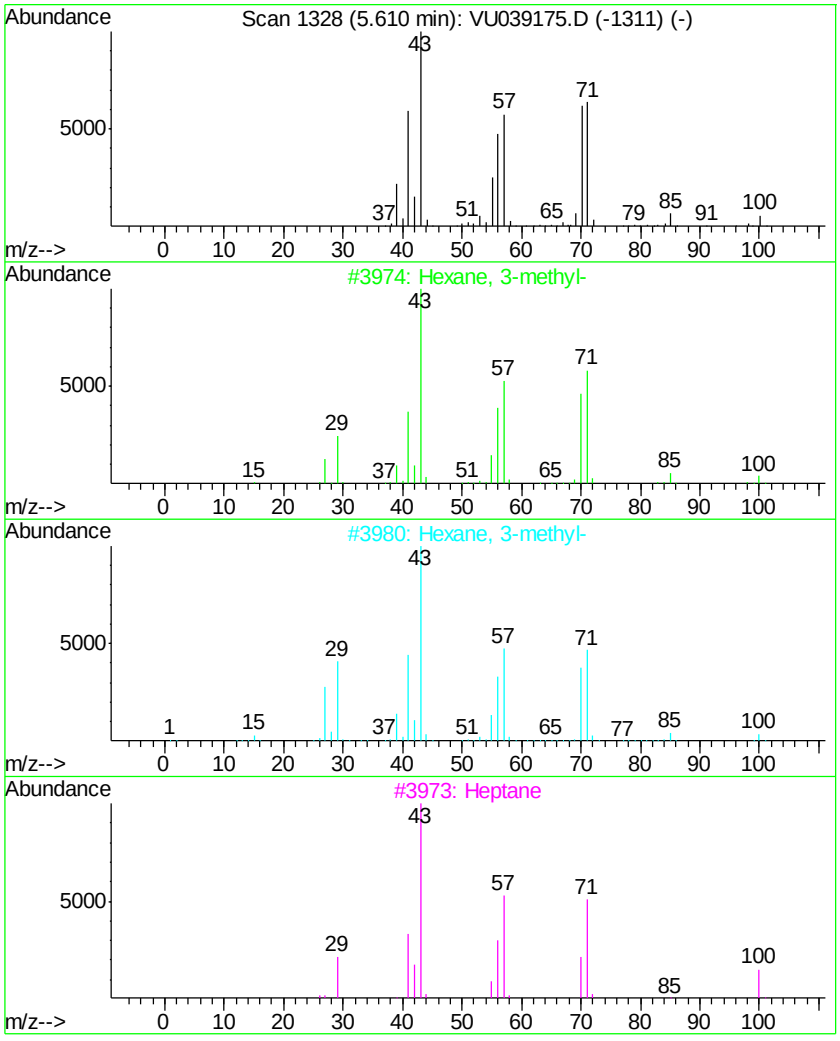
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

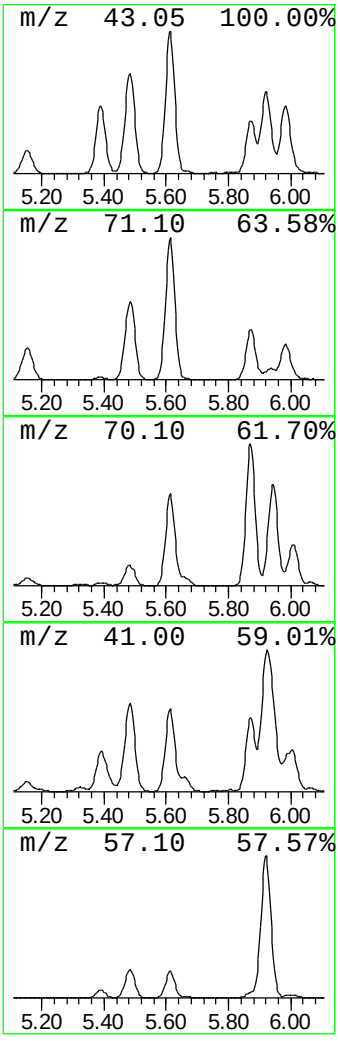
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	10.37 ug/L	1346450	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	87
3	Heptane	100	C7H16	000142-82-5	80
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
5	Heptane	100	C7H16	000142-82-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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

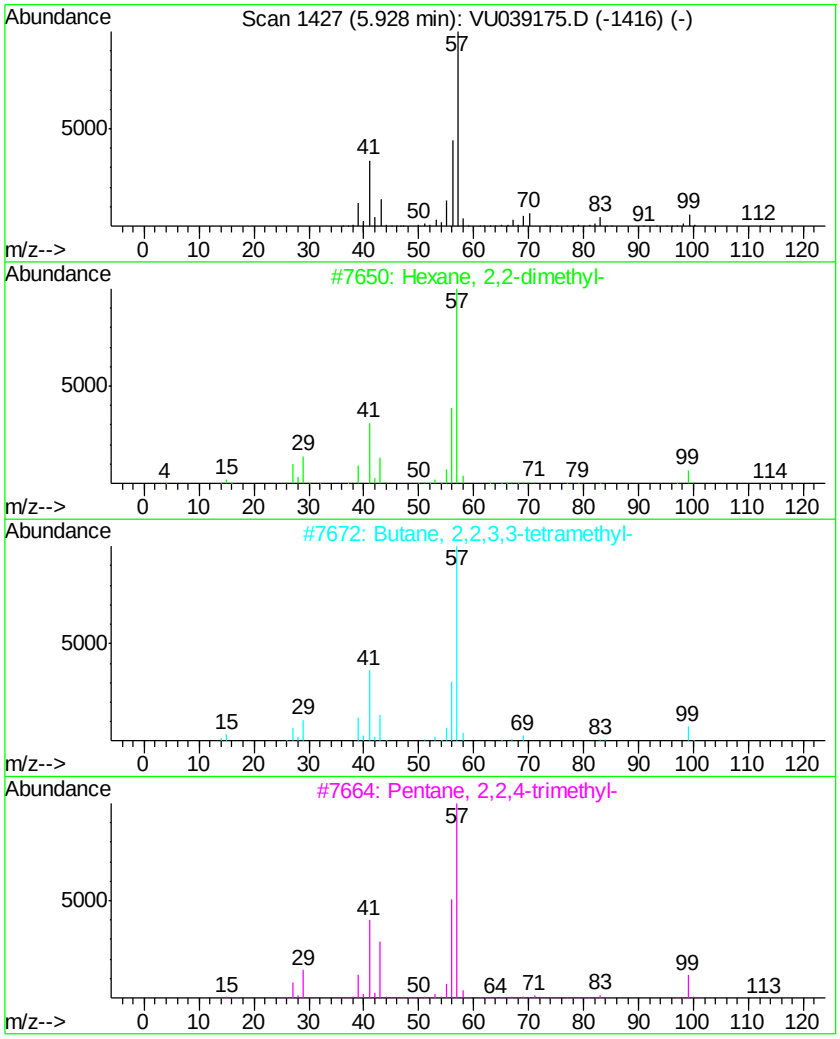
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

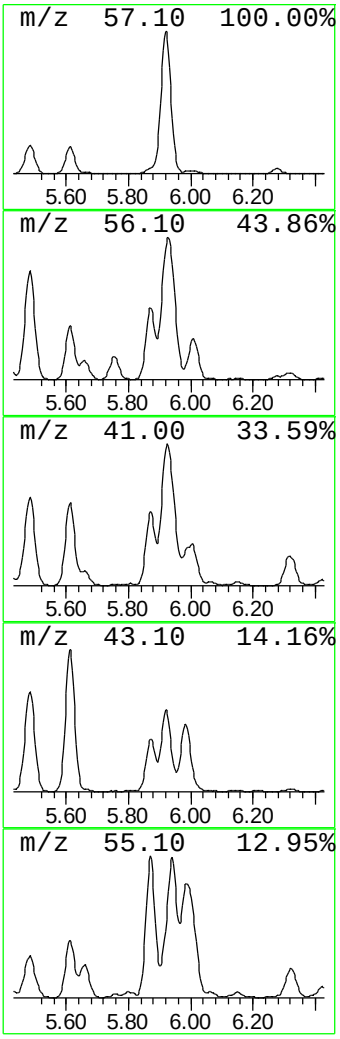
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	22.02 ug/L	2858440	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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

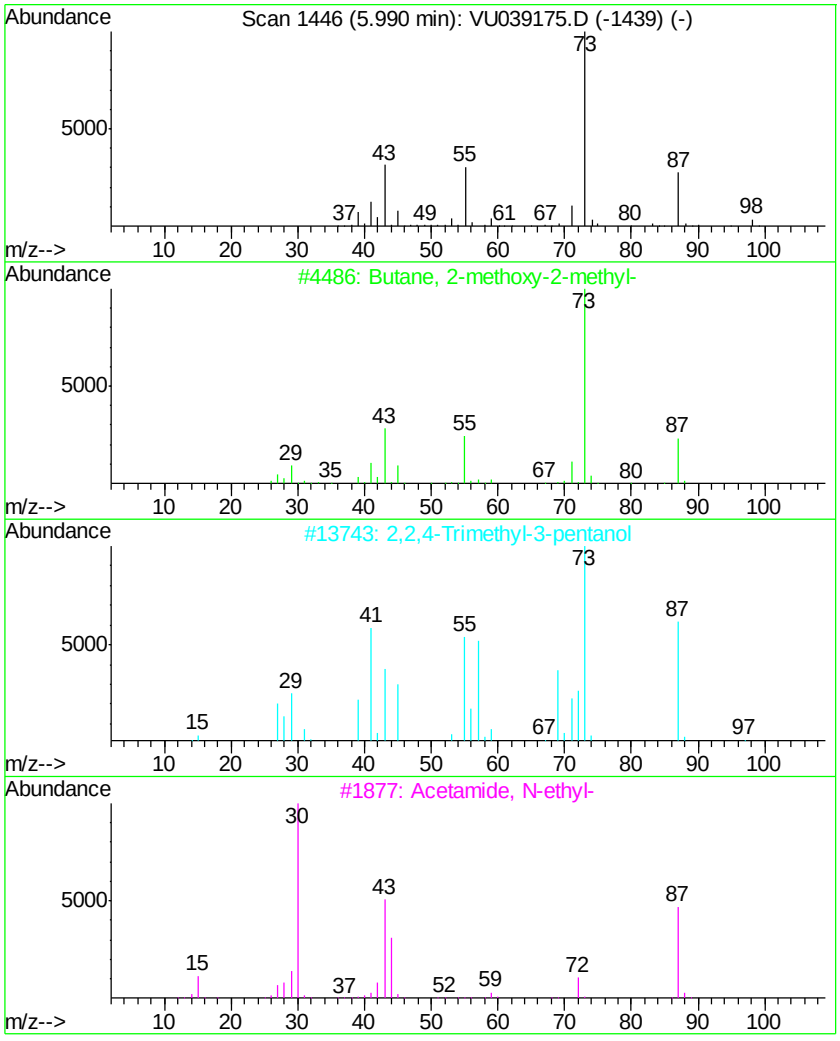
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

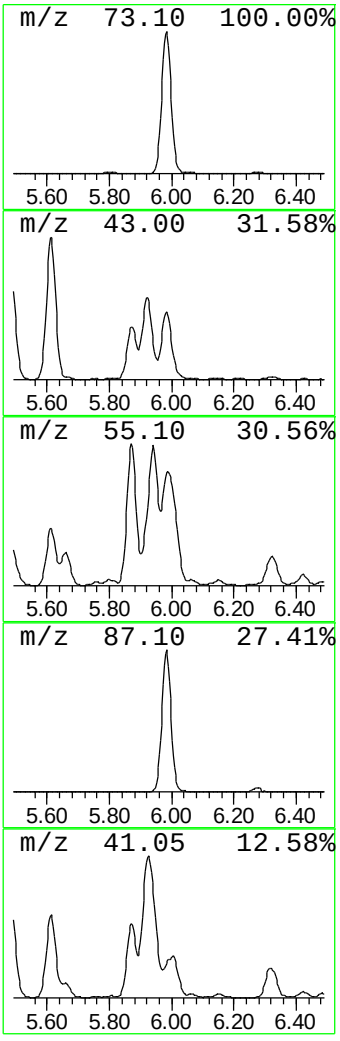
****

Peak Number 6 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	10.33 ug/L	1340670	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1-Propene-1-thiol	74	C3H6S	000925-89-3	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

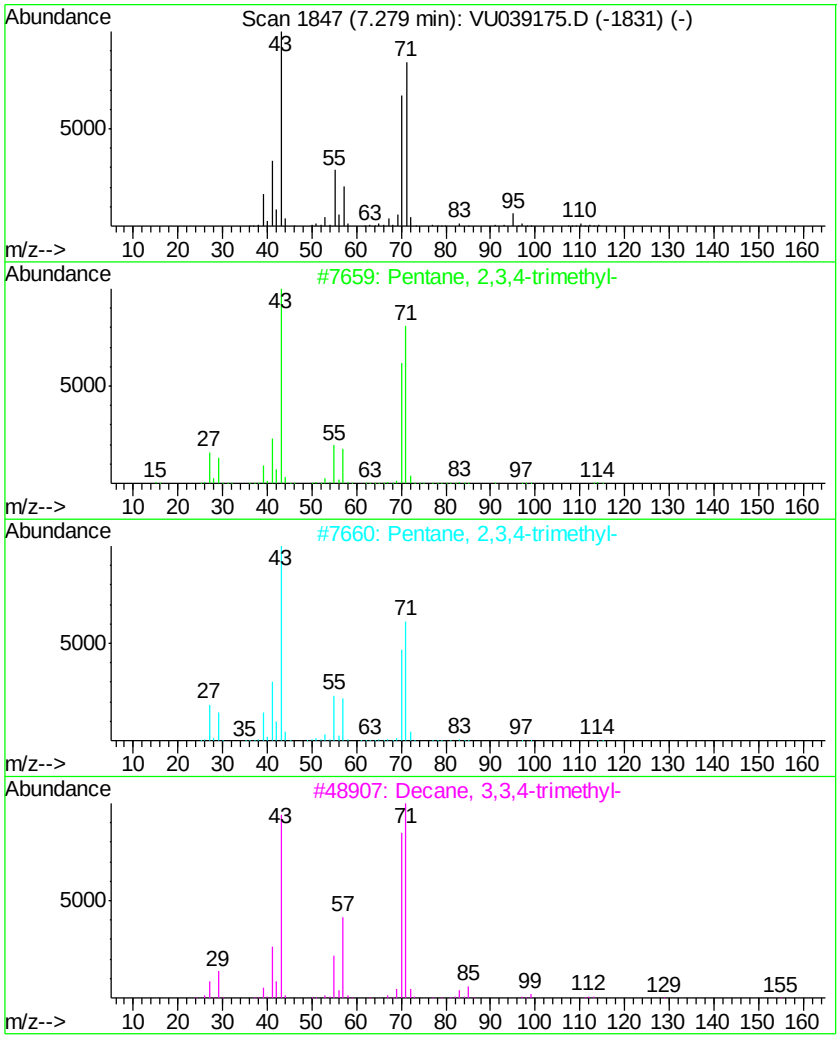
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

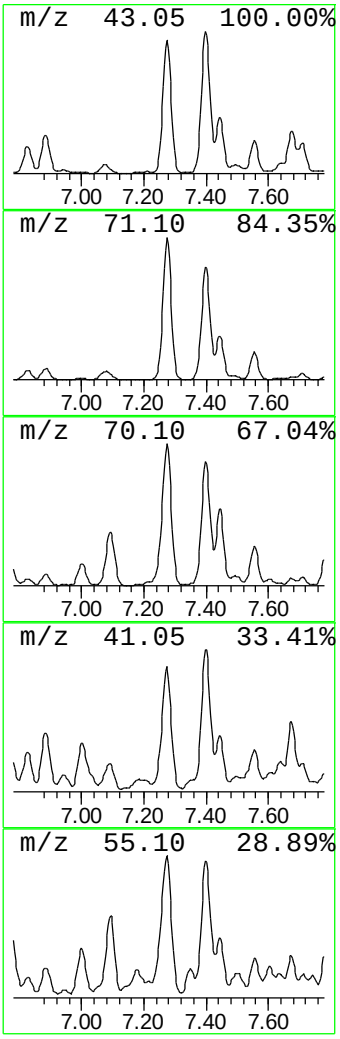
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	10.06 ug/L	1306700	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	90
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	68





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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

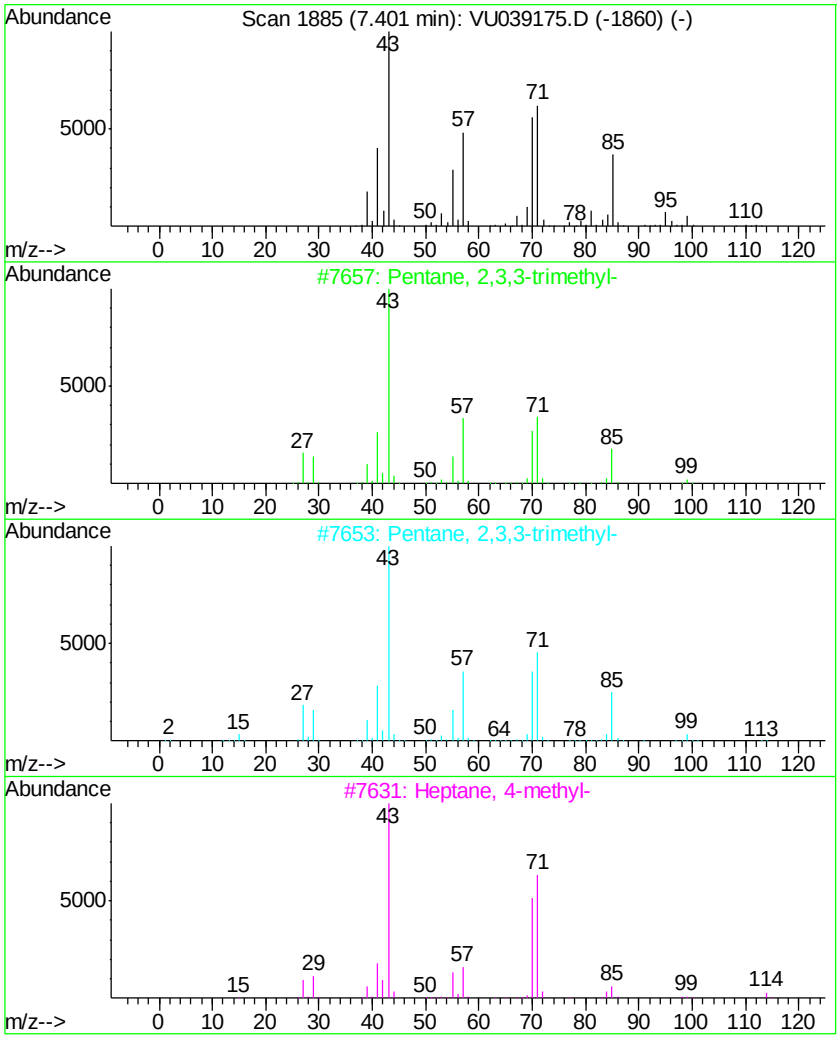
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

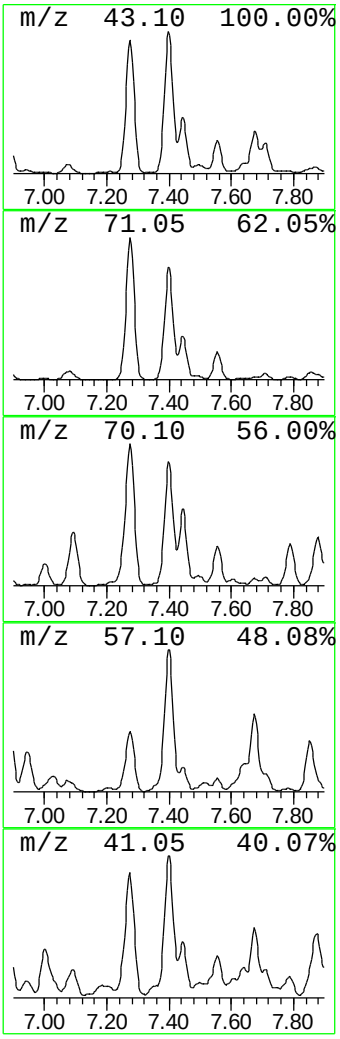
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	12.50 ug/L	1623120	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	64
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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

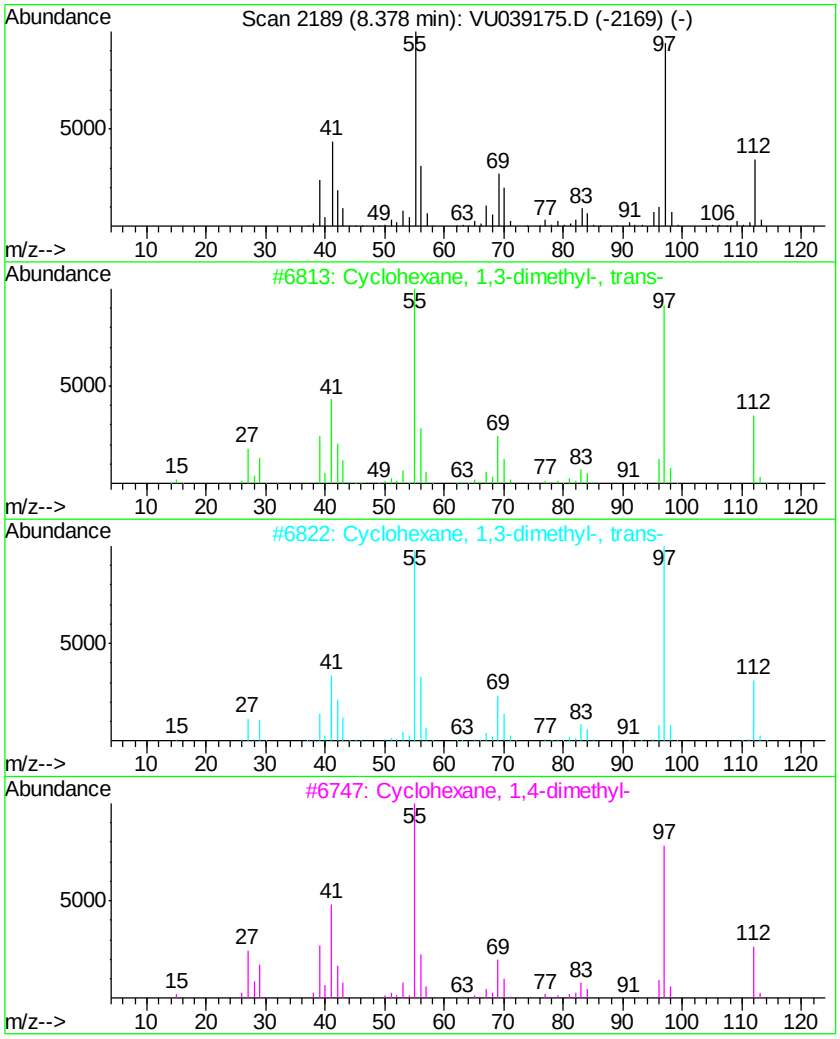
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

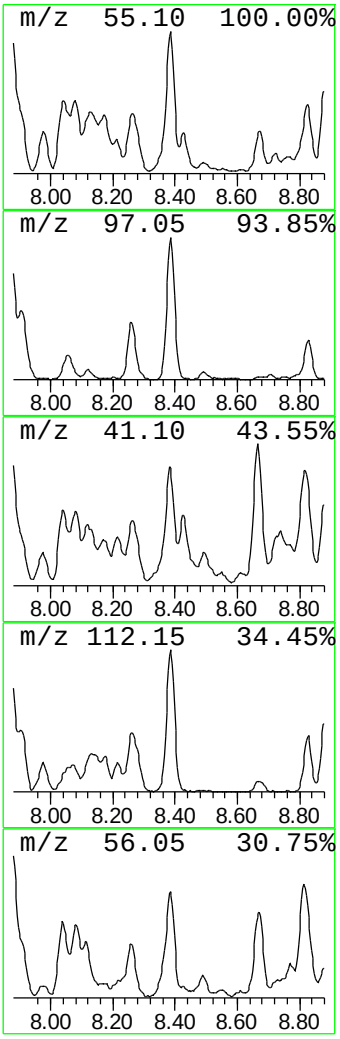
****

Peak Number 9 (DEL) Alkane: Cyclic8.38 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	4.19 ug/L	619164	Chlorobenzene-d5	9.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94





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Acq On : 26 Jun 2020 19:16
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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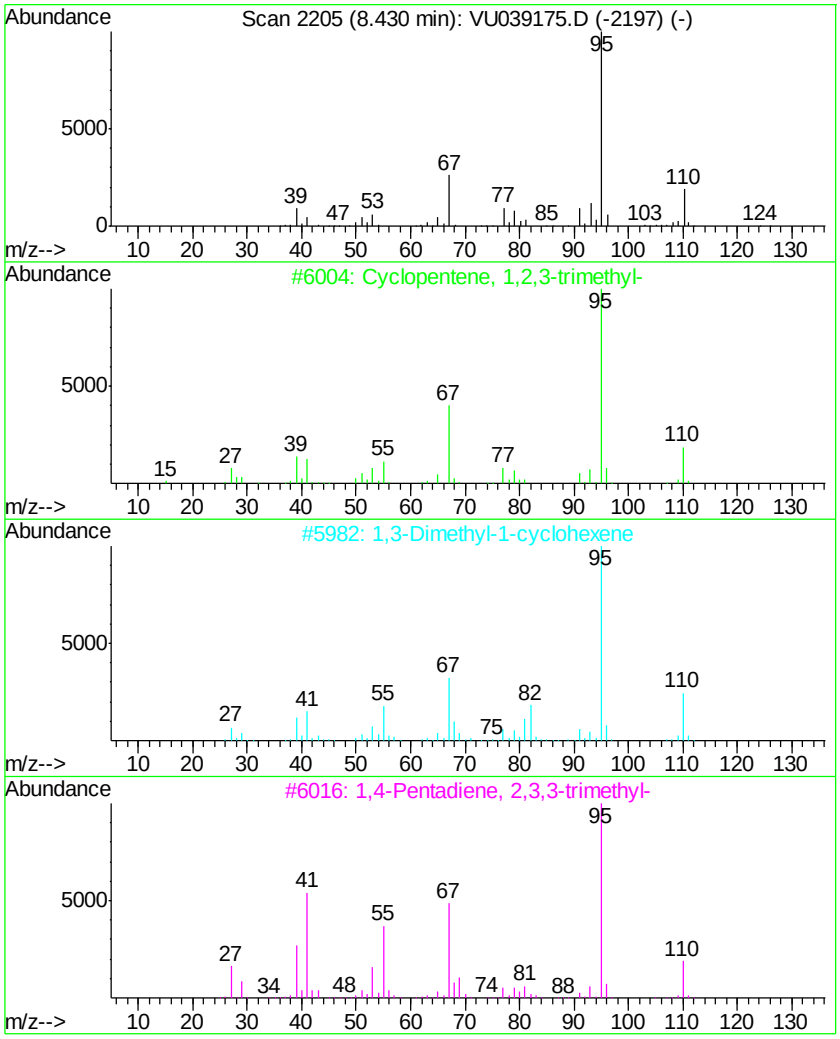
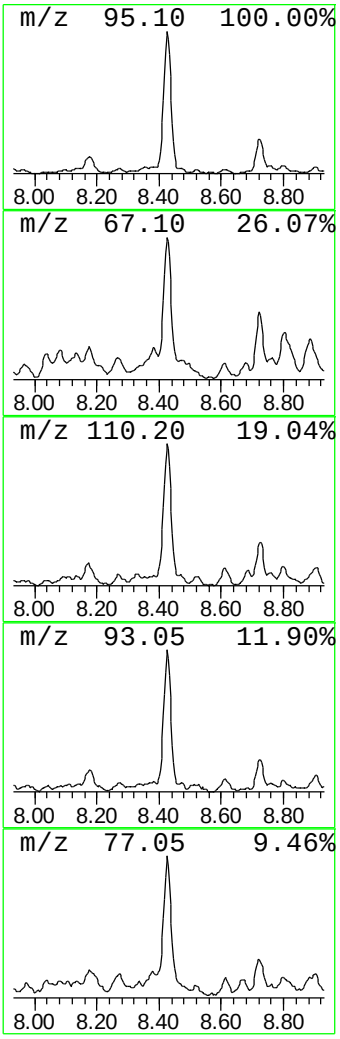
Peak Number 10 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	3.79 ug/L	560715	Chlorobenzene-d5	9.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64





Library Search Compound Report

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Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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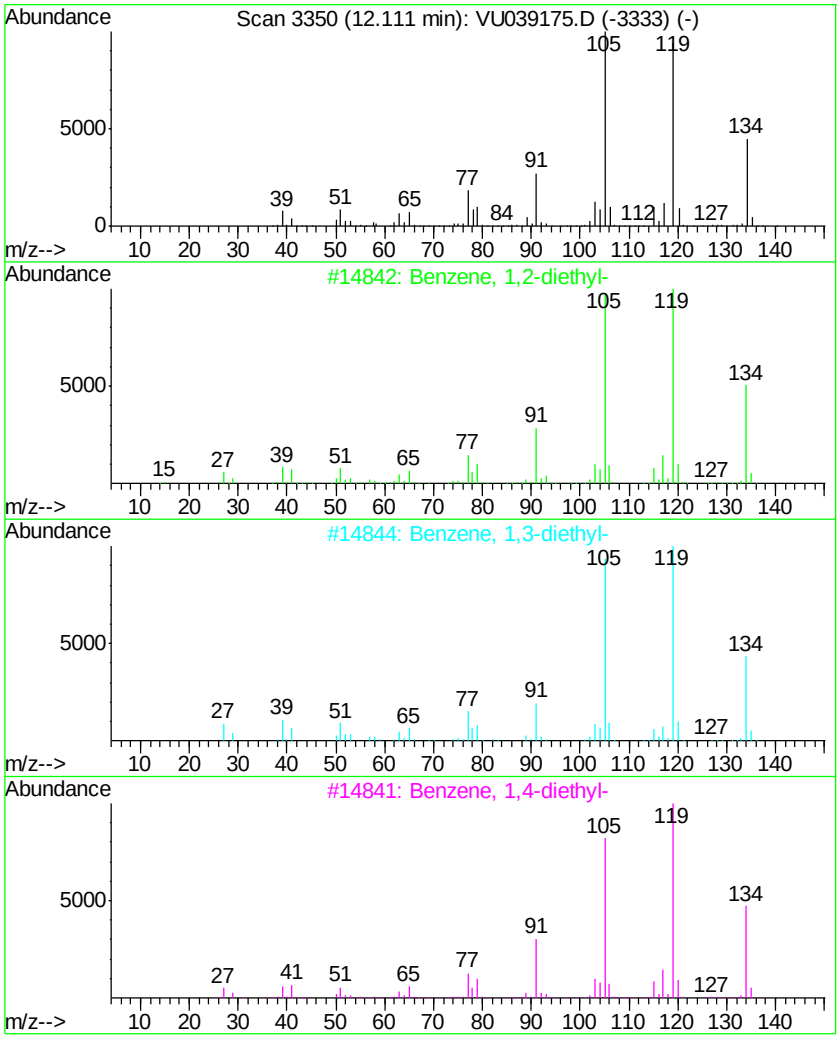
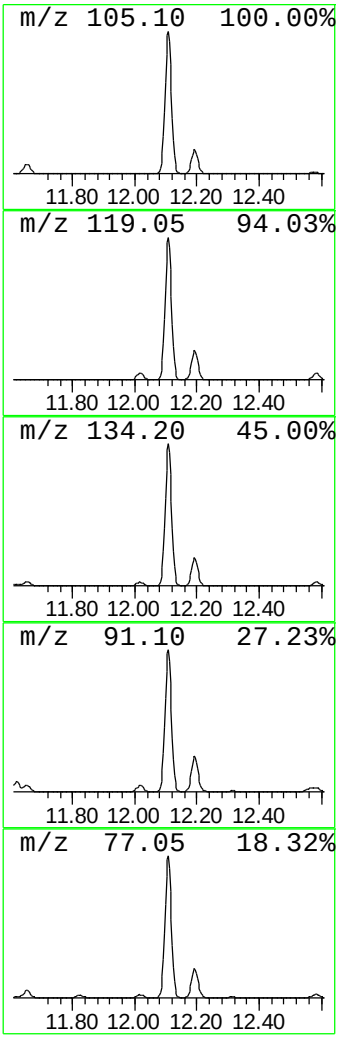
Peak Number 11 Benzene, 1,2-diethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	51.64 ug/L	8157760	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	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

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Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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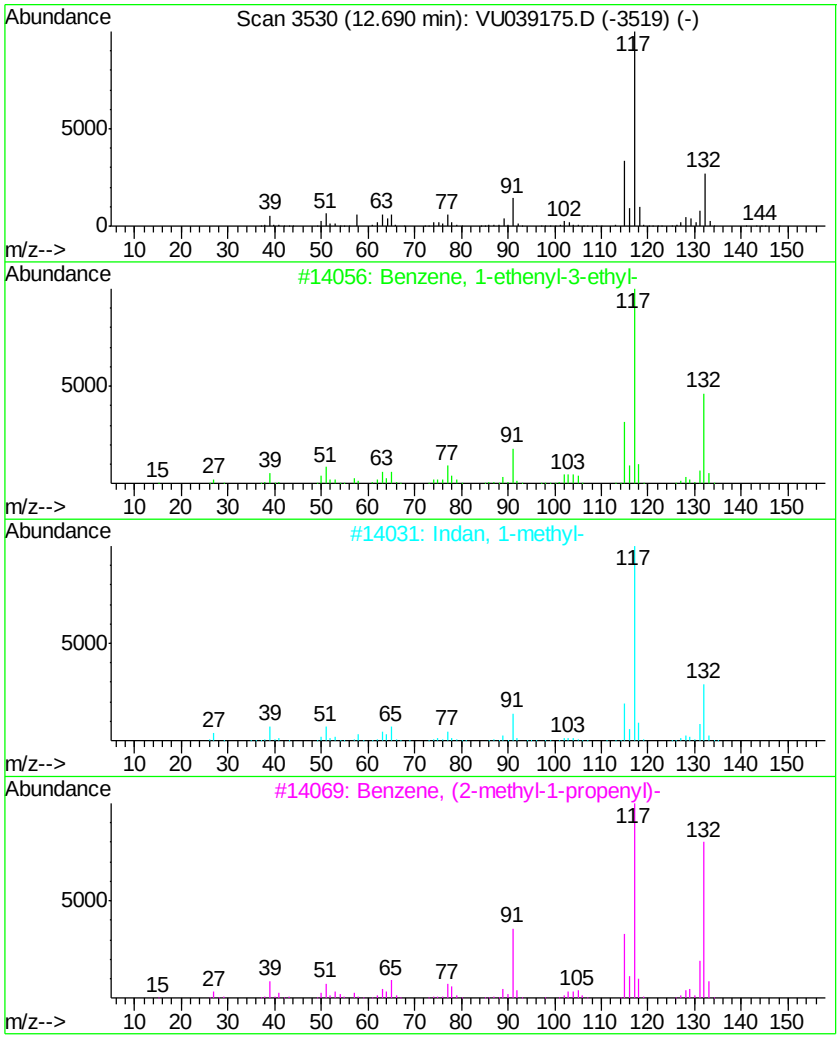
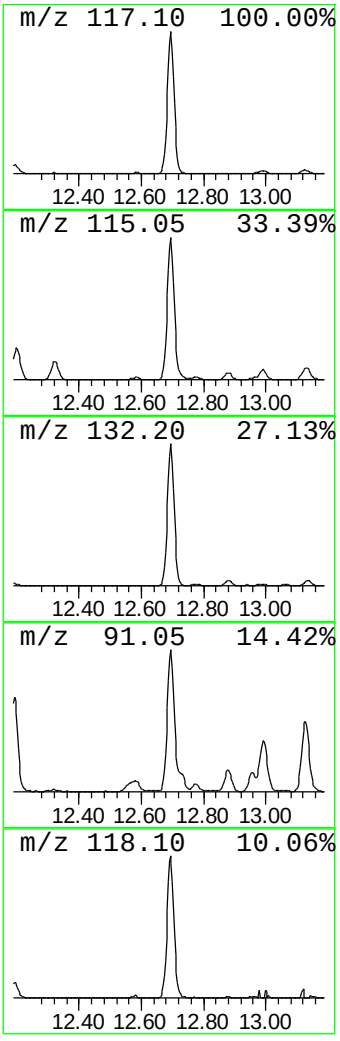
Peak Number 12 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	27.07 ug/L	4275970	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	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83





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Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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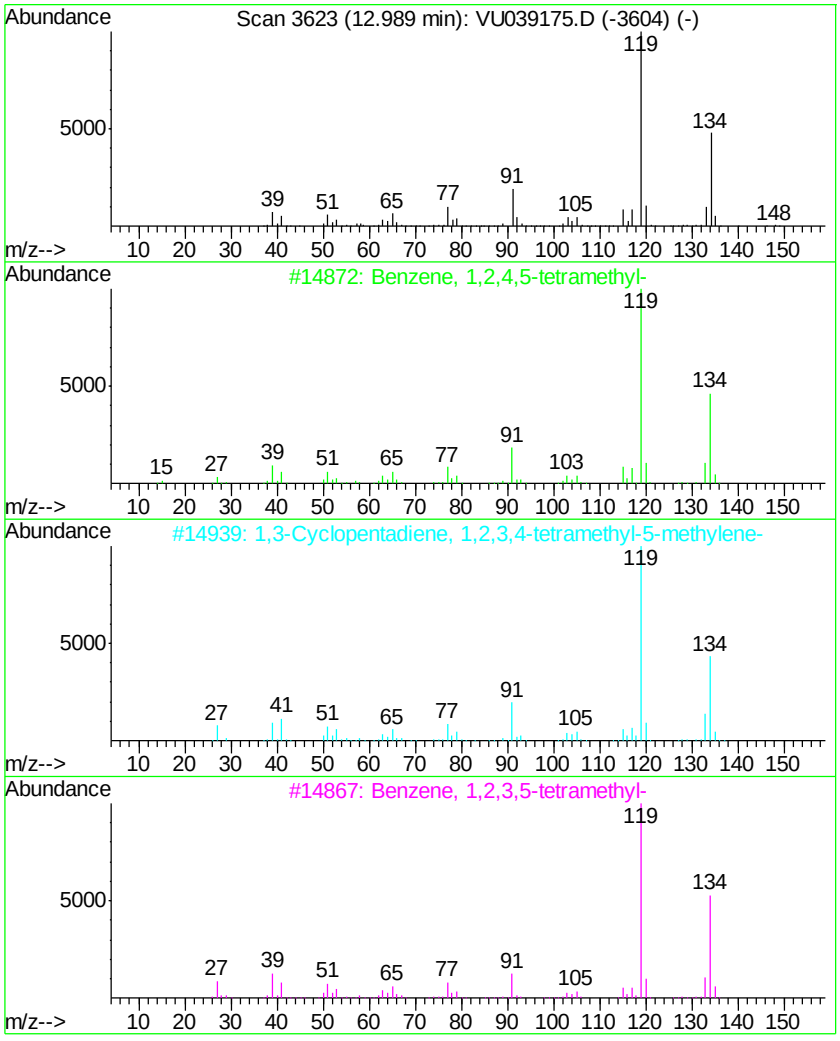
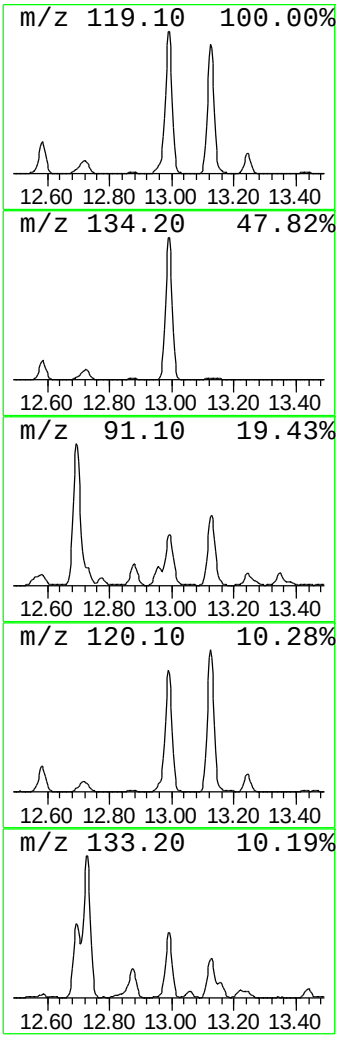
Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	8.50 ug/L	1343170	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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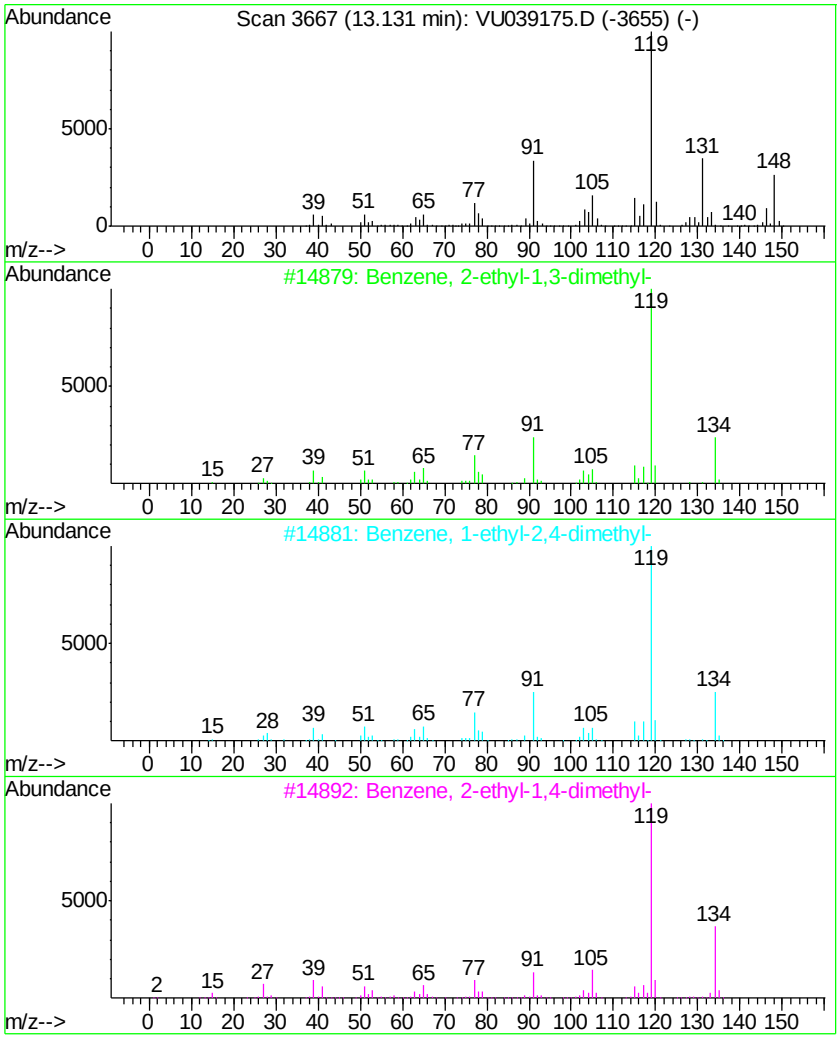
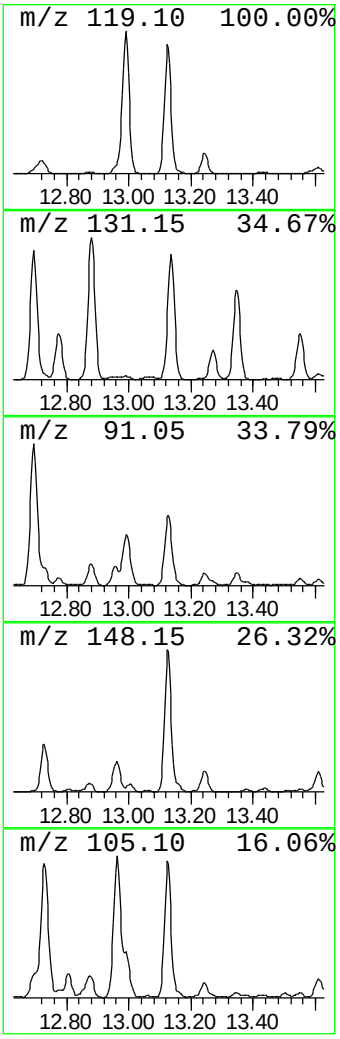
Peak Number 14 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	8.17 ug/L	1290420	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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53
4	o-Cymene	134	C10H14	000527-84-4	53
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53





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Acq On : 26 Jun 2020 19:16
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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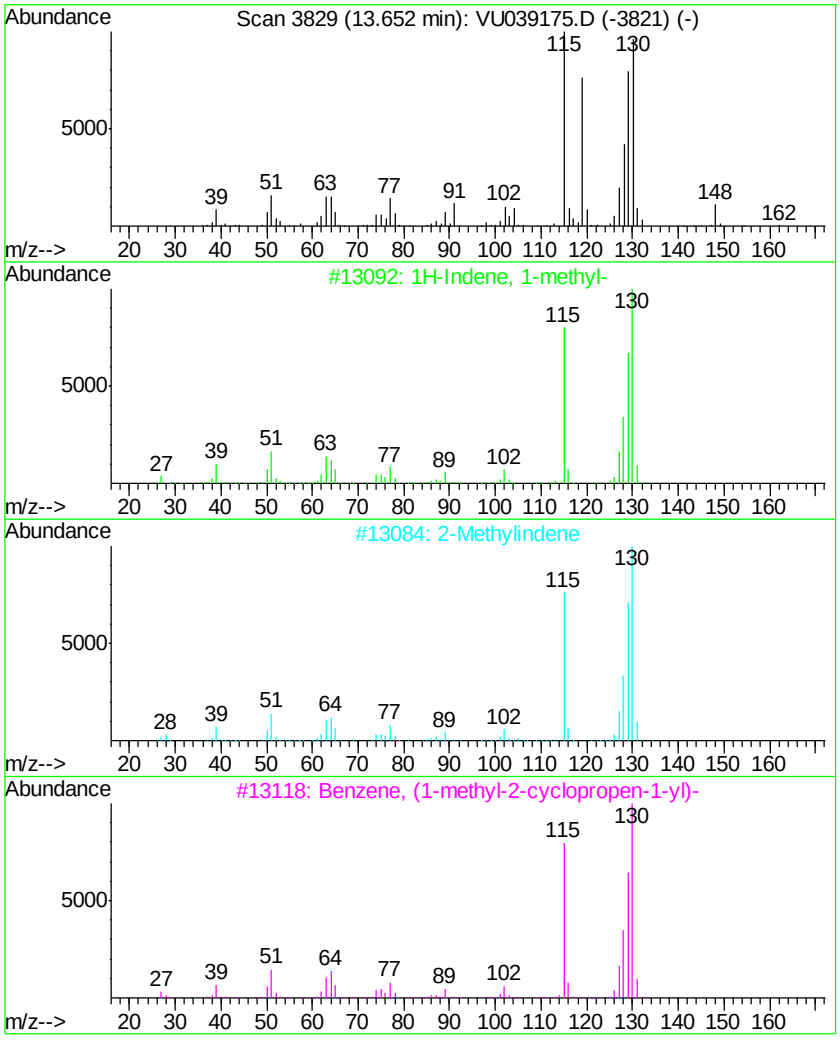
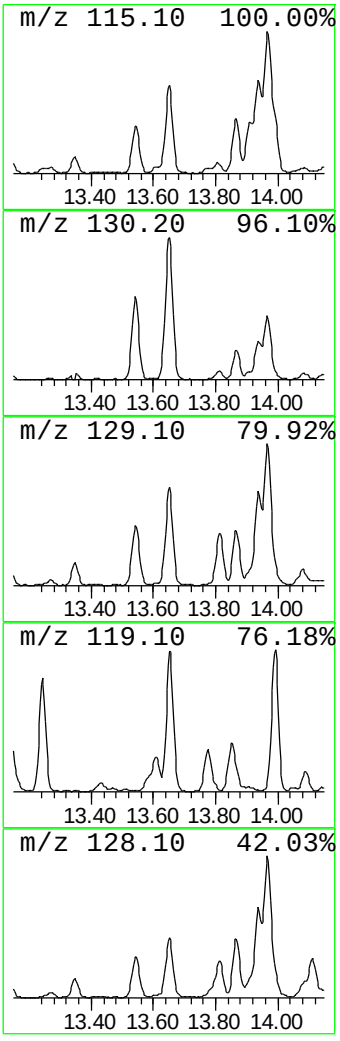
Peak Number 15 1H-Indene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	3.77 ug/L	595837	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	97
2	2-Methylindene	130	C10H10	002177-47-1	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93





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Acq On : 26 Jun 2020 19:16
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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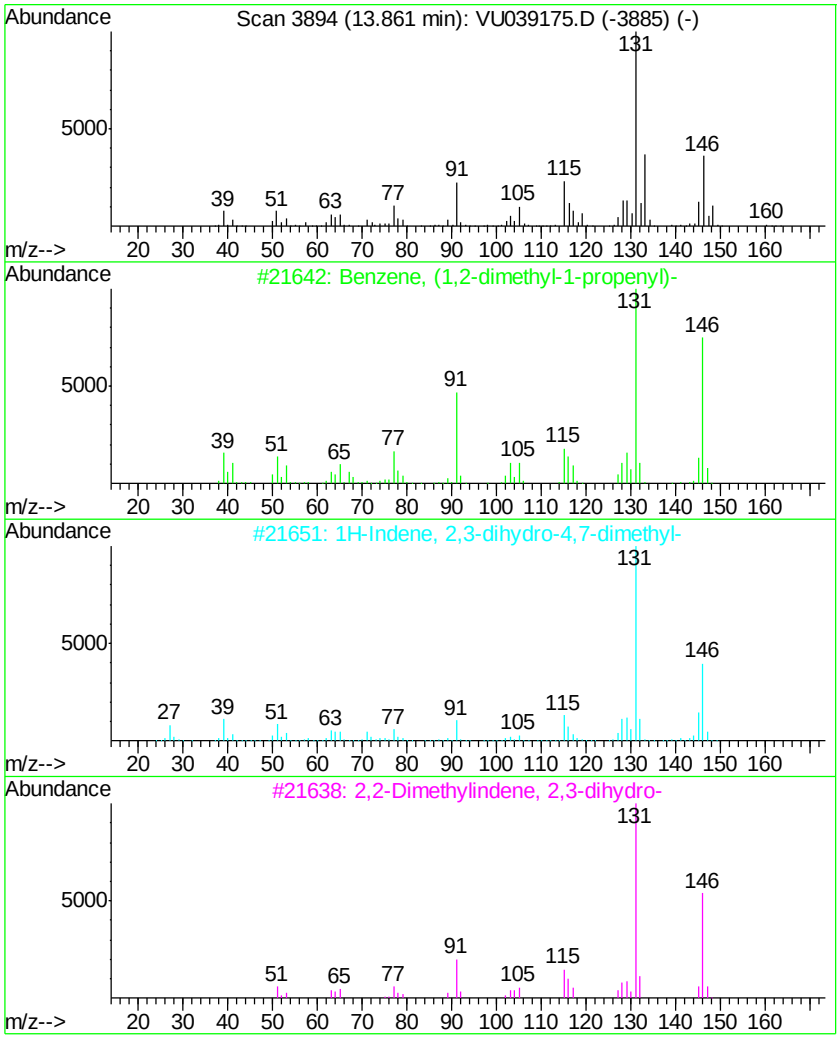
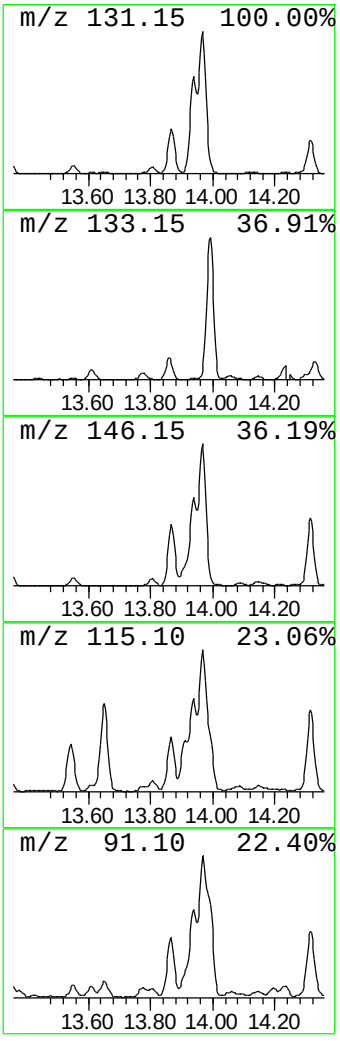
Peak Number 16 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	5.84 ug/L	923208	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90





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Acq On : 26 Jun 2020 19:16
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

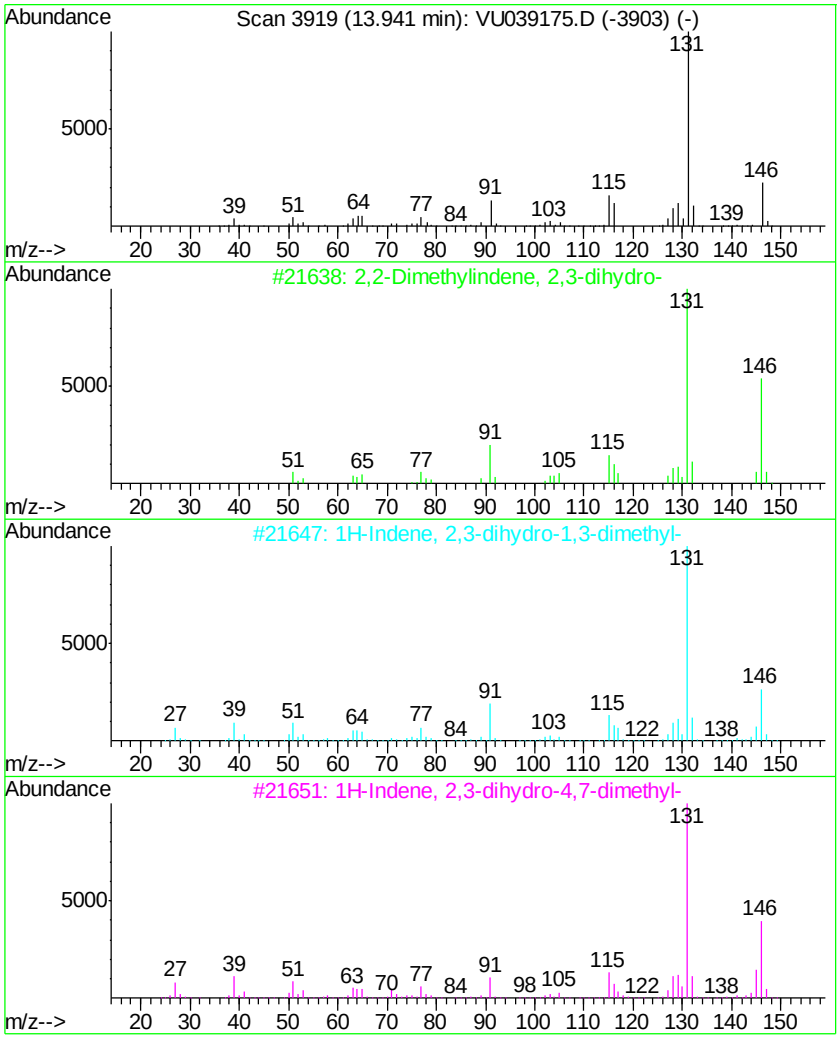
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

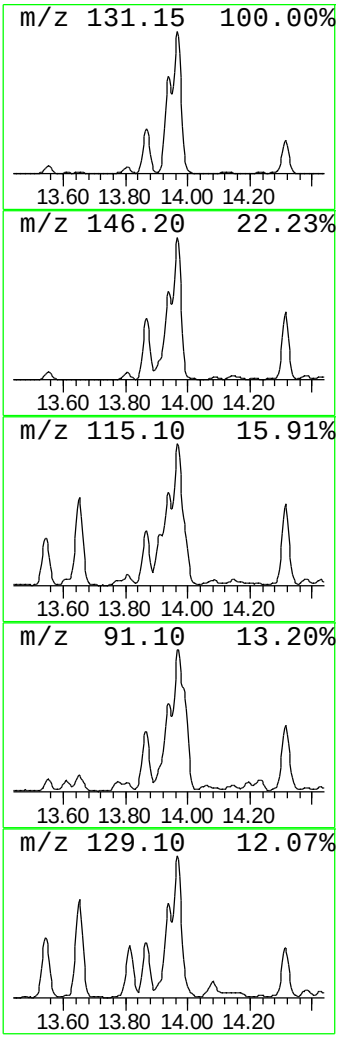
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2,2-Dimethylindene, 2,3-dih... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	9.88 ug/L	1560740	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





Library Search Compound Report

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Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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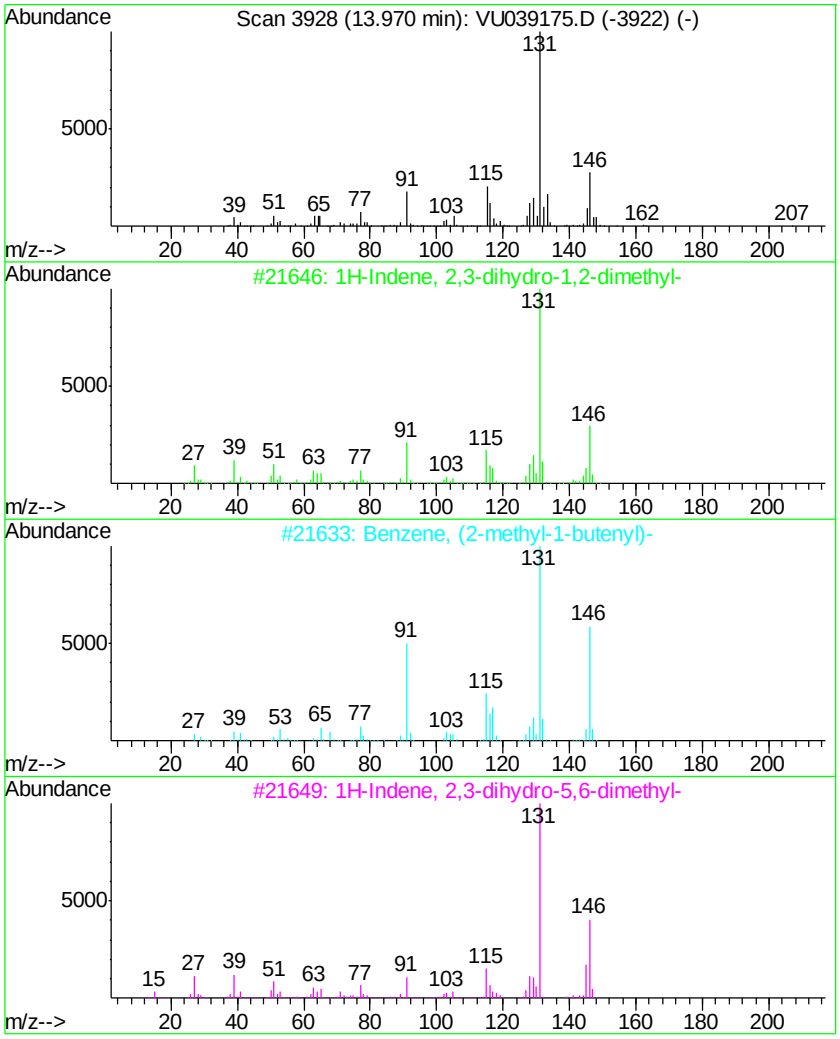
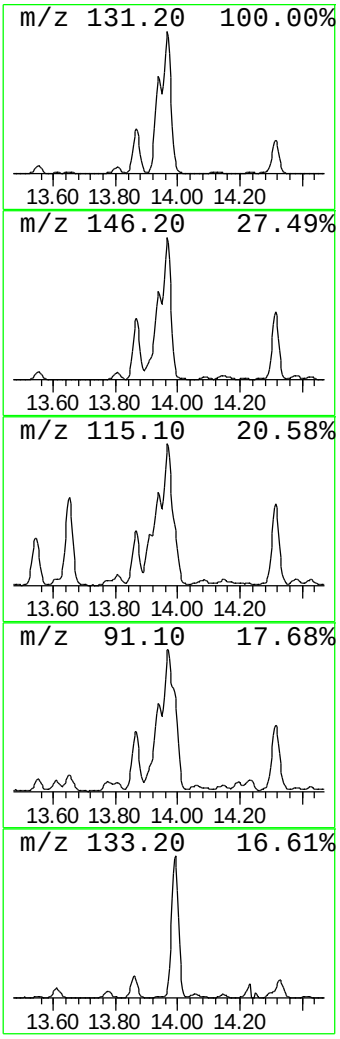
Peak Number 18 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	20.38 ug/L	3220420	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	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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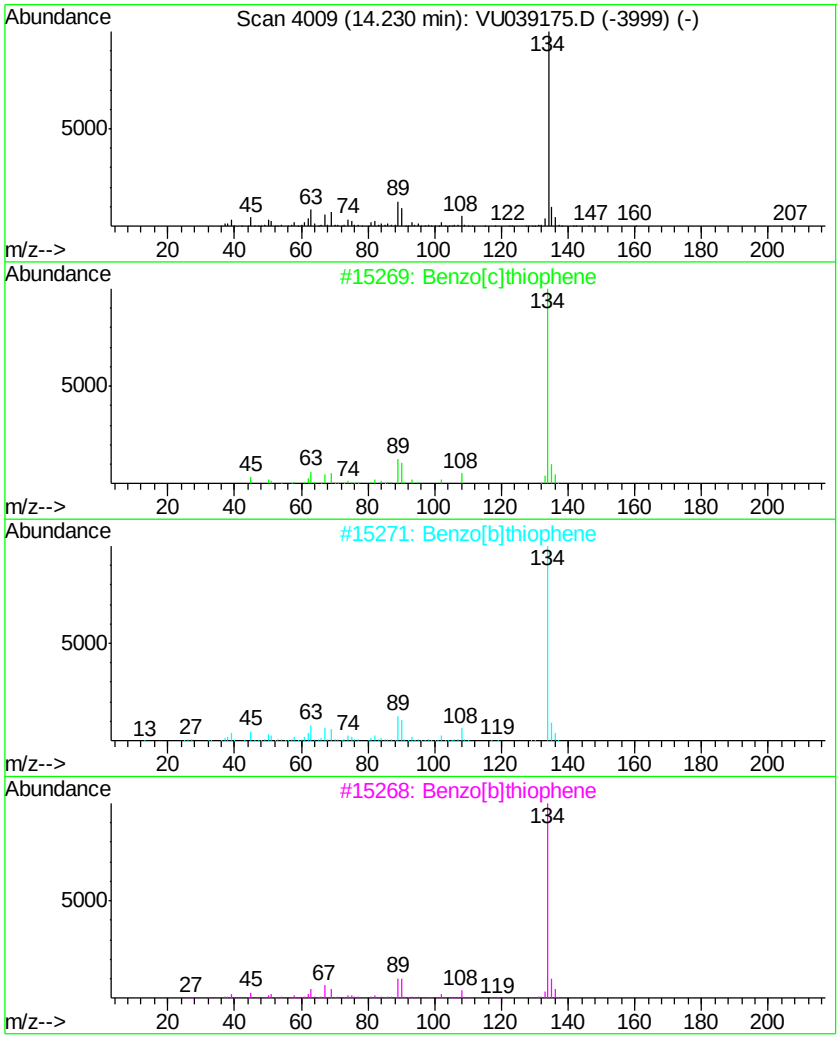
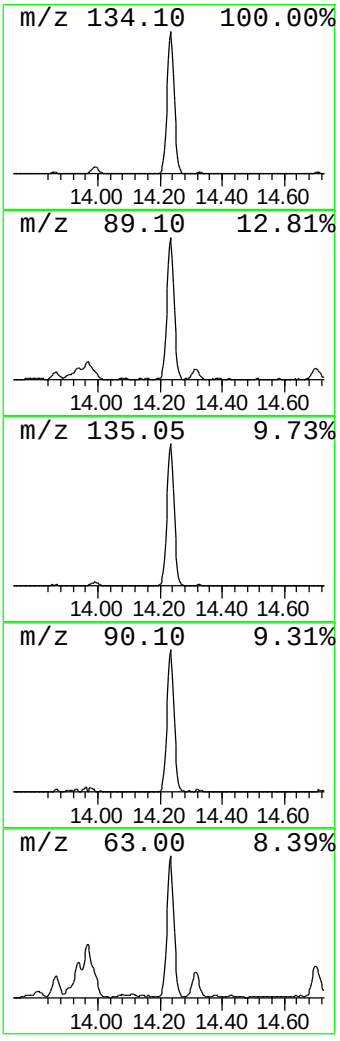
Peak Number 19 Benzo[c]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	14.79 ug/L	2336110	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	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 : VU039175.D
Acq On : 26 Jun 2020 19:16
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

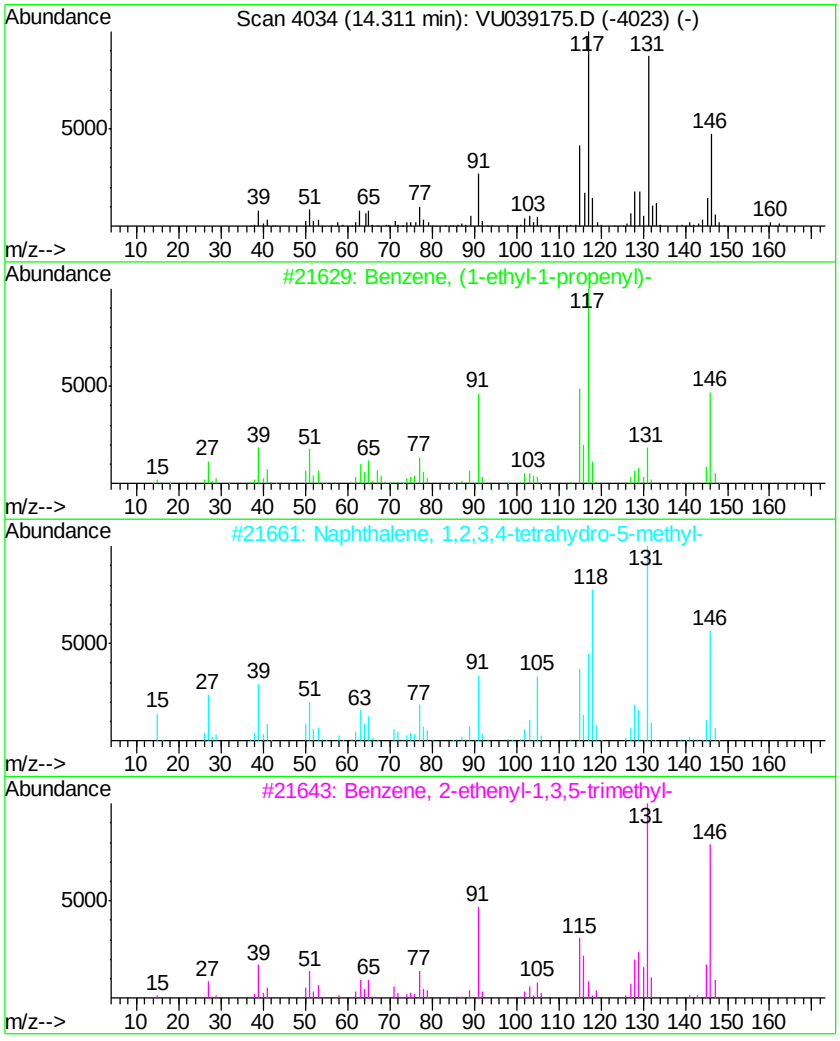
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

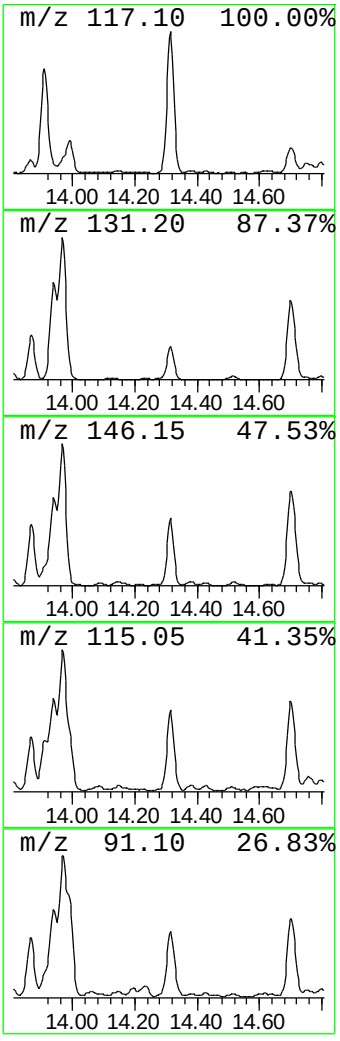
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	6.95 ug/L	1098480	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	72
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	70
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	60





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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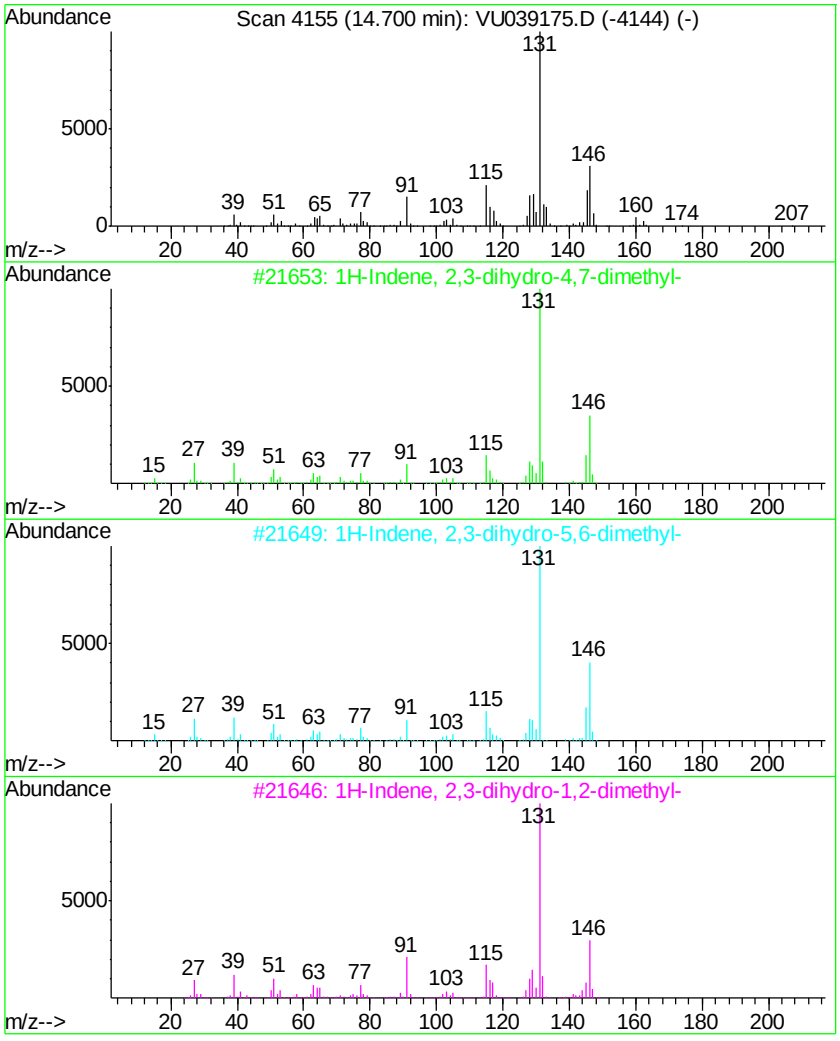
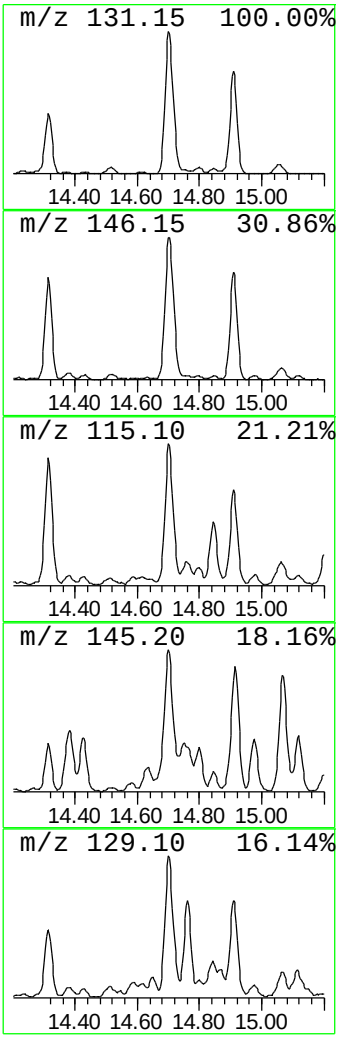
Peak Number 21 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	11.23 ug/L	1774240	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-5,6-dimet...	146	C11H14	001075-22-5	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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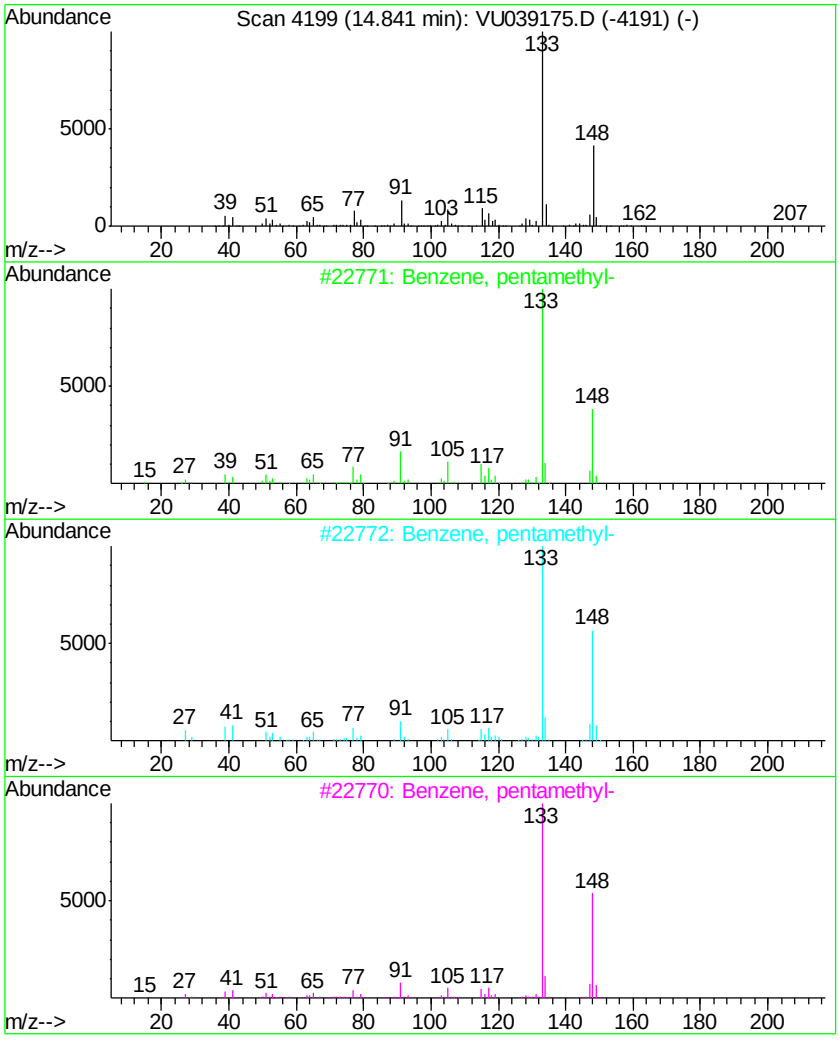
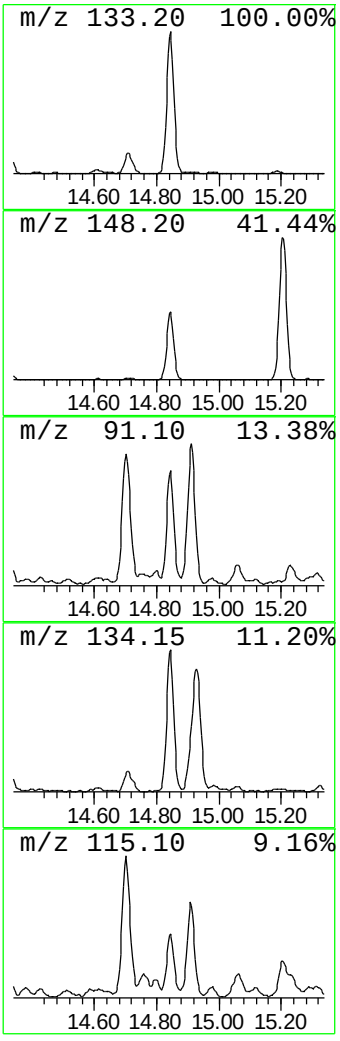
Peak Number 22 Benzene, pentamethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	6.78 ug/L	1071500	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	96
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	94
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	91
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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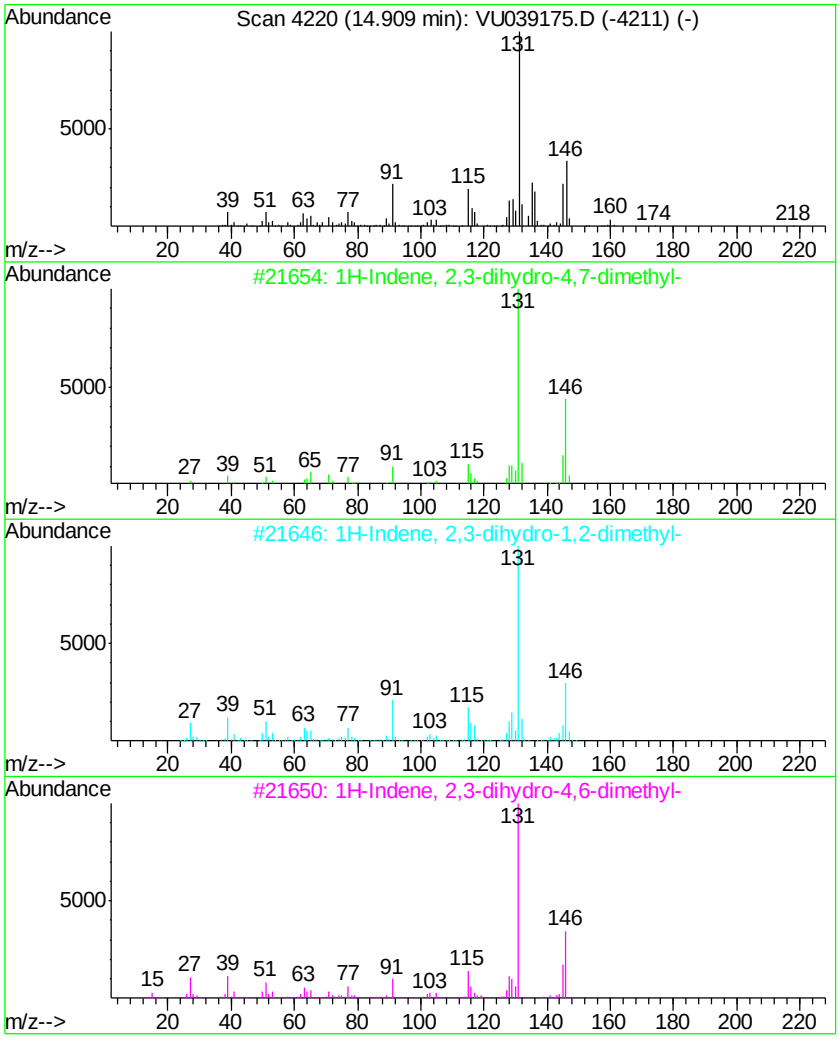
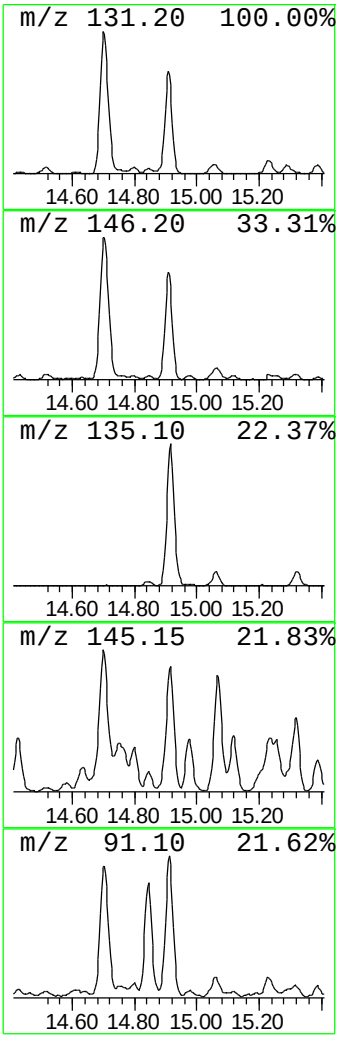
Peak Number 23 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	9.01 ug/L	1423120	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	89
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	76
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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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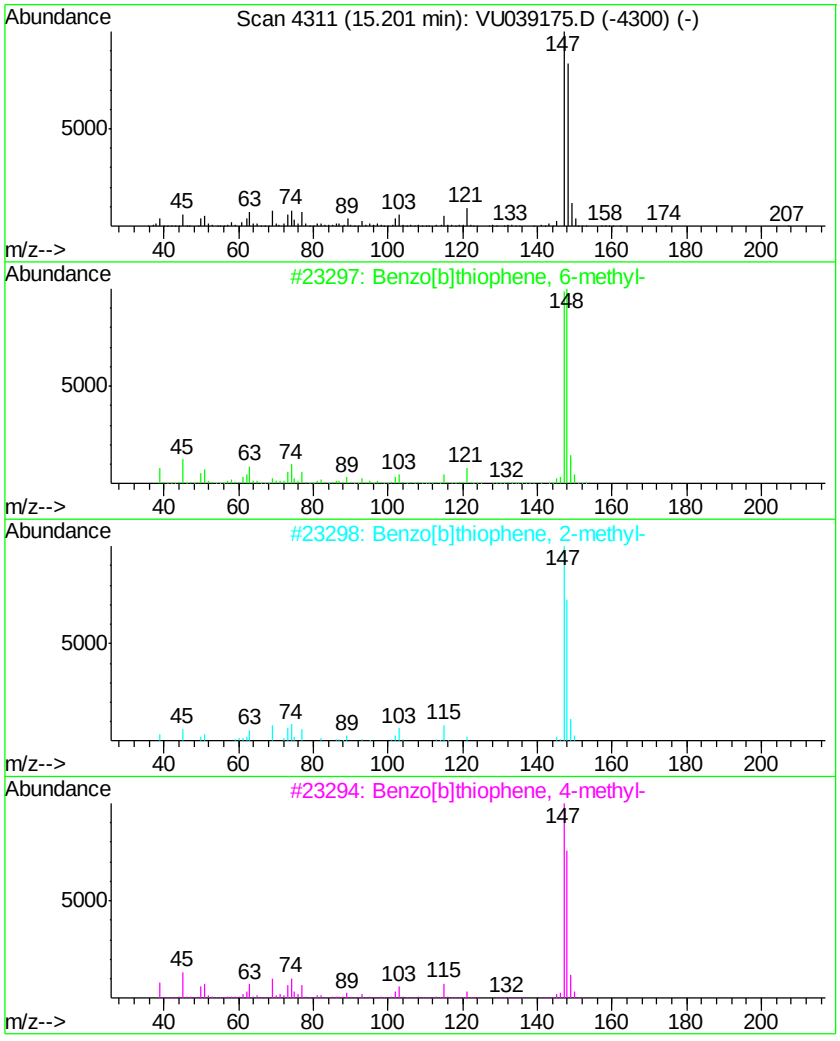
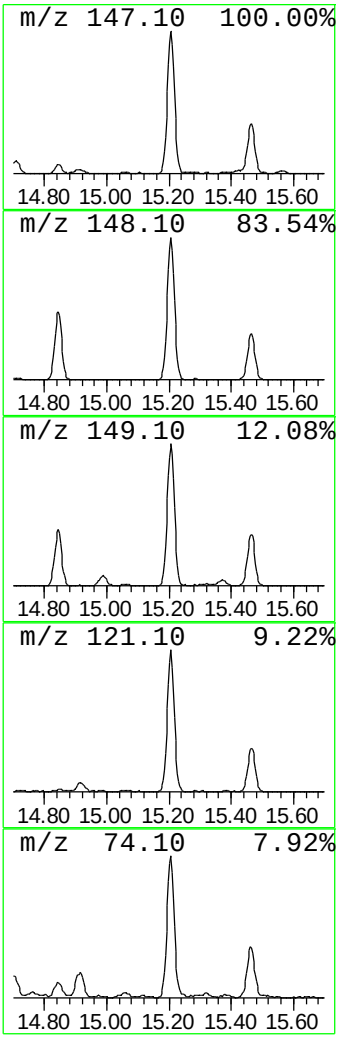
Peak Number 24 Benzo[b]thiophene, 6-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	10.45 ug/L	1651200	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
Operator : SY/MD
Sample : L3121-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F01

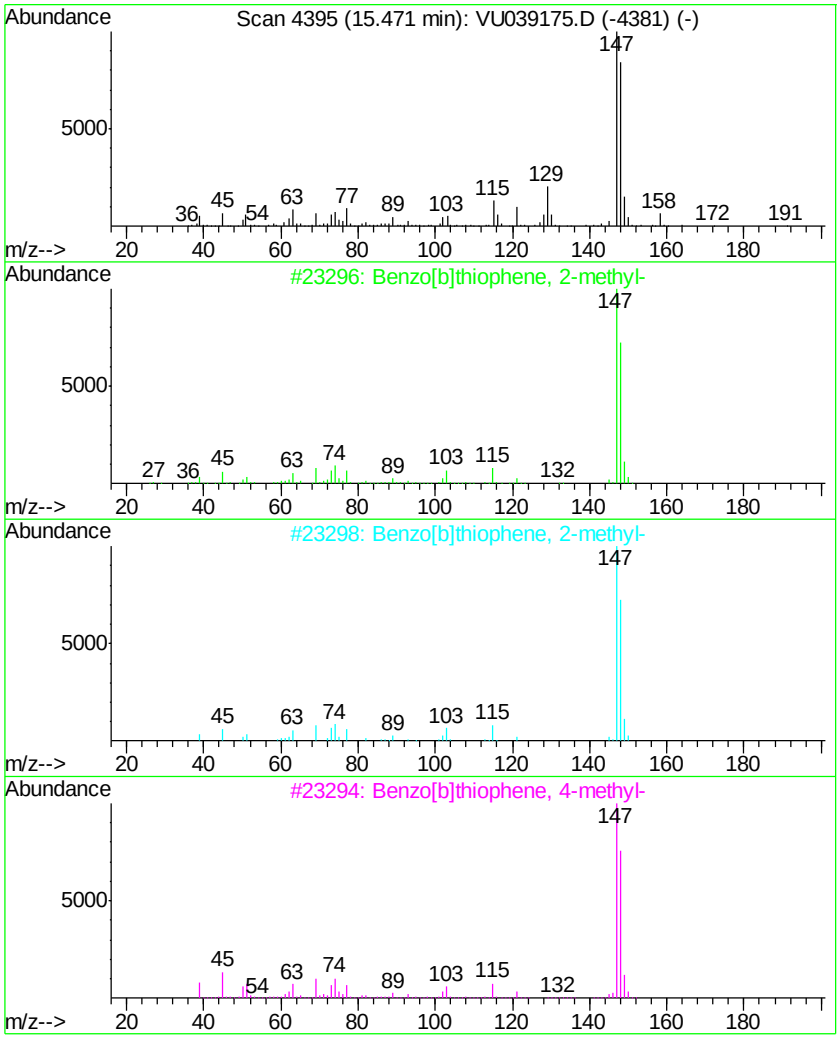
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0

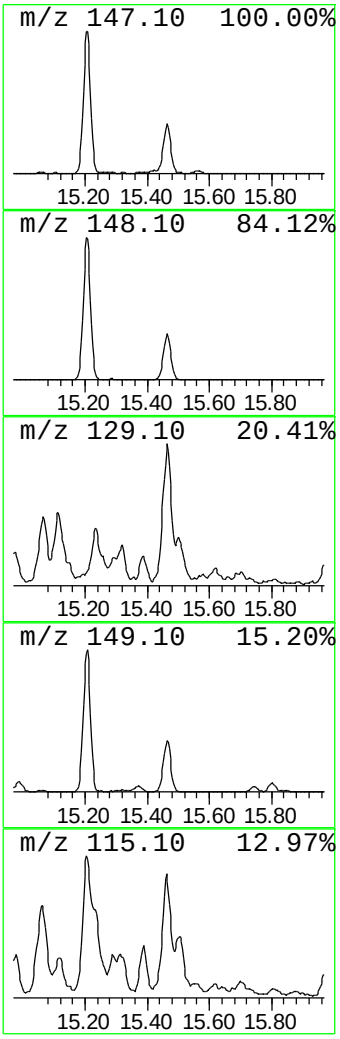
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzo[b]thiophene, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	3.54 ug/L	559301	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	93
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	93
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062620\
Data File : VU039175.D
Acq On : 26 Jun 2020 19:16
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...	2.00	5.2	ug/L	680528	1	6.28	649165	5.0
(DEL) Alkane: Str...	3.10	3.7	ug/L	483560	1	6.28	649165	5.0
(DEL) Alkane: Str...	5.48	10.1	ug/L	1309050	1	6.28	649165	5.0
(DEL) Alkane: Str...	5.61	10.4	ug/L	1346450	1	6.28	649165	5.0
(DEL) Alkane: Str...	5.93	22.0	ug/L	2858440	1	6.28	649165	5.0
Butane, 2-methoxy...	5.99	10.3	ug/L	1340670	1	6.28	649165	5.0
(DEL) Alkane: Str...	7.28	10.1	ug/L	1306700	1	6.28	649165	5.0
(DEL) Alkane: Str...	7.40	12.5	ug/L	1623120	1	6.28	649165	5.0
(DEL) Alkane: Cyc...	8.38	4.2	ug/L	619164	2	9.43	739220	5.0
Cyclopentene, 1,2...	8.43	3.8	ug/L	560715	2	9.43	739220	5.0
Benzene, 1,2-diet...	12.11	51.6	ug/L	8157760	3	11.82	789925	5.0
Benzene, 1-etheny...	12.69	27.1	ug/L	4275970	3	11.82	789925	5.0
Benzene, 1,2,4,5-...	12.99	8.5	ug/L	1343170	3	11.82	789925	5.0
Benzene, 2-ethyl-...	13.13	8.2	ug/L	1290420	3	11.82	789925	5.0
1H-Indene, 1-methyl-	13.65	3.8	ug/L	595837	3	11.82	789925	5.0
Benzene, (1,2-dim...	13.86	5.8	ug/L	923208	3	11.82	789925	5.0
2,2-Dimethylinden...	13.94	9.9	ug/L	1560740	3	11.82	789925	5.0
1H-Indene, 2,3-di...	13.97	20.4	ug/L	3220420	3	11.82	789925	5.0
Benzo[c]thiophene	14.23	14.8	ug/L	2336110	3	11.82	789925	5.0
Benzene, (1-ethyl...	14.31	7.0	ug/L	1098480	3	11.82	789925	5.0
1H-Indene, 2,3-di...	14.70	11.2	ug/L	1774240	3	11.82	789925	5.0
Benzene, pentamet...	14.84	6.8	ug/L	1071500	3	11.82	789925	5.0
1H-Indene, 2,3-di...	14.91	9.0	ug/L	1423120	3	11.82	789925	5.0
Benzo[b]thiophene...	15.20	10.4	ug/L	1651200	3	11.82	789925	5.0
Benzo[b]thiophene...	15.47	3.5	ug/L	559301	3	11.82	789925	5.0