LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

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\SOMVTR111718WMA.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	1.119	4	9	26	rVB	532529	503657	86.02%	6.532%
2	1.229	38	43	51	rVB	75982	68019	11.62%	0.882%
3	1.312	61	69	81	rBV2	349377	479201	81.84%	6.215%
4	1.370	83	87	93	rVB2	19301	19161	3.27%	0.249%
5	1.434	100	107	117	rVB	39925	44861	7.66%	0.582%
6	1.582	145	153	164	rVV2	68770	97922	16.72%	1.270%
7	1.653	167	175	187	rVB	43979	54132	9.24%	0.702%
8	1.788	208	217	224	rBV	101913	126900	21.67%	1.646%
9	1.839	224	233	244	rVB4	72357	125628	21.46%	1.629%
10	1.926	253	260	269	rVB2	13878	18576	3.17%	0.241%
11	2.007	277	285	293	rVV	28471	36962	6.31%	0.479%
12	2.052	293	299	309	rVB4	8953	11750	2.01%	0.152%
13	2.135	315	325	337	rBV	116810	167692	28.64%	2.175%
14	2.380	393	401	411	rBV2	5090	8189	1.40%	0.106%
15	2.476	419	431	446	rBV7	21181	53465	9.13%	0.693%
16	2.611	465	473	488	rVB4	11961	25416	4.34%	0.330%
17	2.814	519	536	558	rBV2	223367	519197	88.67%	6.734%
18	2.981	575	588	602	rVB3	38092	85367	14.58%	1.107%
19	3.077	608	618	627	rVB4	7273	12591	2.15%	0.163%
20	3.190	637	653	659	rBV7	9146	18554	3.17%	0.241%
21	3.241	660	669	684	rVB6	12138	30559	5.22%	0.396%
22	3.492	731	747	760	rBV5	12293	31325	5.35%	0.406%
23	3.624	779	788	801	rVB6	3042	6558	1.12%	0.085%
24	3.968	878	895	927	rBV4	127168	357498	61.05%	4.637%
25	4.408	1013	1032	1052	rVB	97628	241521	41.25%	3.132%
26	4.621	1083	1098	1100	rBV6	3012	6208	1.06%	0.081%
27	4.801	1138	1154	1166	rBV6	7189	21483	3.67%	0.279%
28	4.958	1190	1203	1216	rBV7	4131	9640	1.65%	0.125%
29	5.100	1229	1247	1279	rBV2	234745	585541	100.00%	7.594%
30	5.360	1318	1328	1338	rBV2	7408	16143	2.76%	0.209%
31	5.421	1338	1347	1368	rVB7	10512	28813	4.92%	0.374%
32	5.669	1409	1424	1450	rBV2	214139	441955	75.48%	5.732%
33	5.971	1502	1518	1531	rVB2	8245	22733	3.88%	0.295%
34	6.122	1544	1565	1584	rBV	125398	256345	43.78%	3.325%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

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\SOMVTR111718WMA.M
Title : TRACE VOA SOM01.0

35	6.878	1784	1800	1803	rBV8	3599	6982	1.19%	0.091%
36	7.032	1835	1848	1860	rBV	58570	102842	17.56%	1.334%
37	7.283	1915	1926	1939	rBV	65096	121881	20.82%	1.581%
38	7.363	1939	1951	1964	rVV	276871	485578	82.93%	6.298%
39	7.434	1965	1973	1985	rVB	25507	46528	7.95%	0.603%
40	7.669	2036	2046	2063	rBV	33458	59938	10.24%	0.777%
41	8.141	2180	2193	2228	rBV	209407	423048	72.25%	5.487%
42	8.444	2276	2287	2297	rBV2	19163	32106	5.48%	0.416%
43	8.897	2414	2428	2446	rBV	299760	496328	84.76%	6.437%
44	9.058	2469	2478	2490	rBV	38935	60619	10.35%	0.786%
45	9.183	2503	2517	2528	rBV2	28764	47903	8.18%	0.621%
46	9.592	2634	2644	2661	rVB	51231	85440	14.59%	1.108%
47	9.977	2753	2764	2773	rBV4	4681	6792	1.16%	0.088%
48	10.264	2842	2853	2866	rBV	83030	130387	22.27%	1.691%
49	10.788	3007	3016	3020	rBV2	5713	8623	1.47%	0.112%
50	10.964	3060	3071	3088	rVB	20320	32903	5.62%	0.427%
51	11.299	3162	3175	3194	rBV	270676	455964	77.87%	5.914%
52	11.386	3194	3202	3215	rVB	10049	15824	2.70%	0.205%
53	11.579	3250	3262	3275	rBV	66819	108664	18.56%	1.409%
54	11.675	3280	3292	3316	rVB	234198	386092	65.94%	5.007%
55	11.794	3321	3329	3344	rVV2	10734	17706	3.02%	0.230%
56	11.871	3344	3353	3370	rVB4	15585	29755	5.08%	0.386%
57	12.218	3451	3461	3474	rVB5	8439	14859	2.54%	0.193%

Sum of corrected areas: 7710324

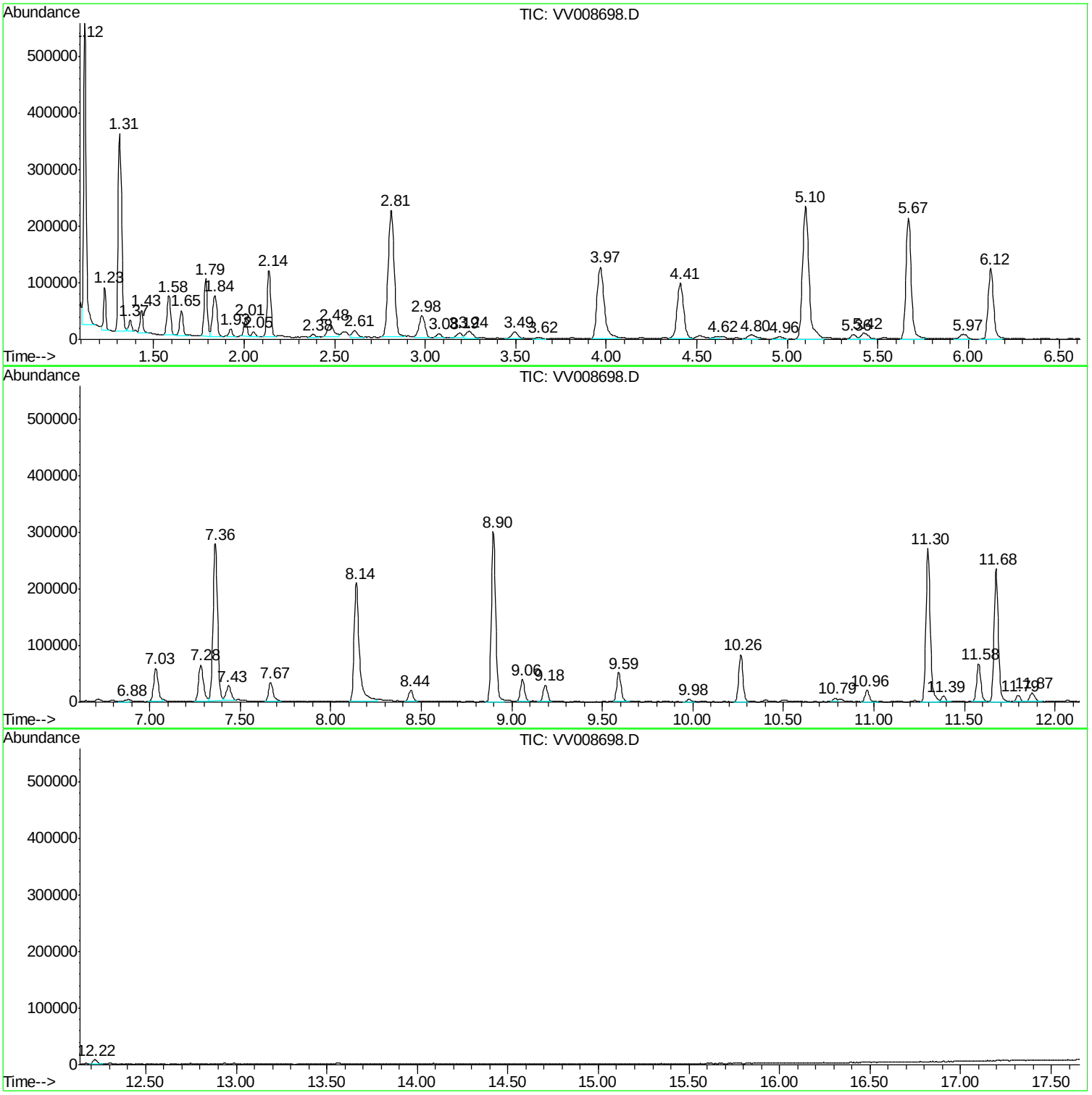
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

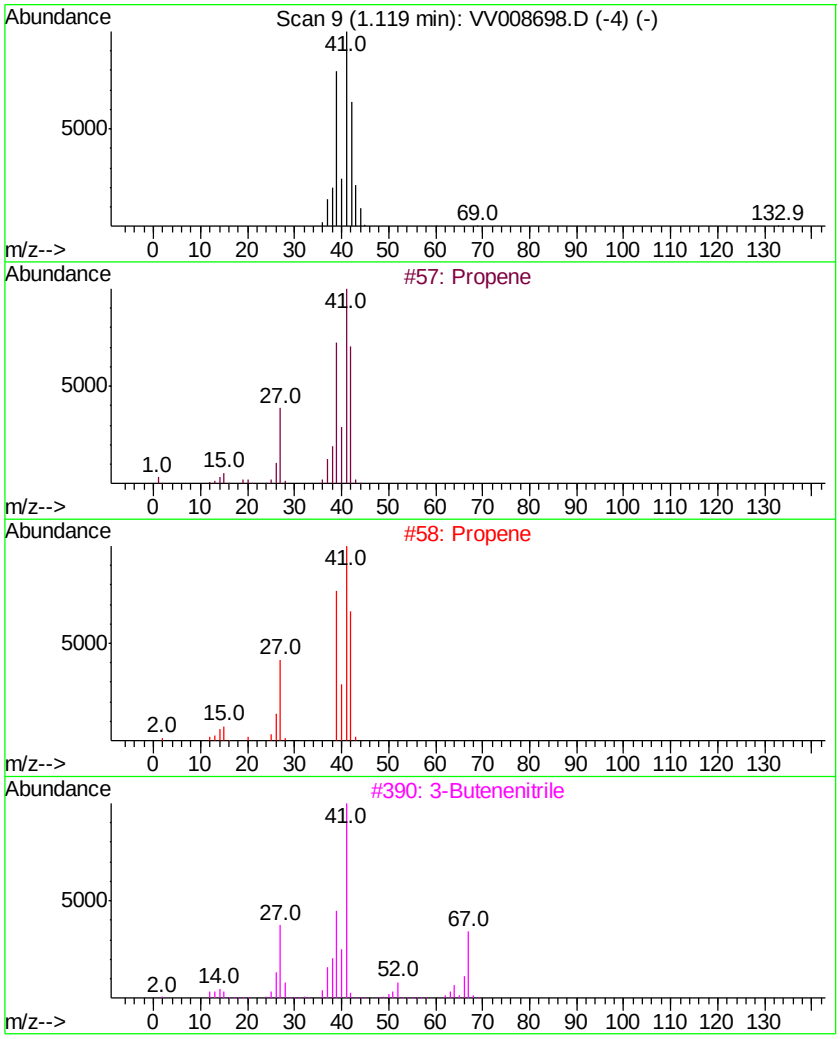
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

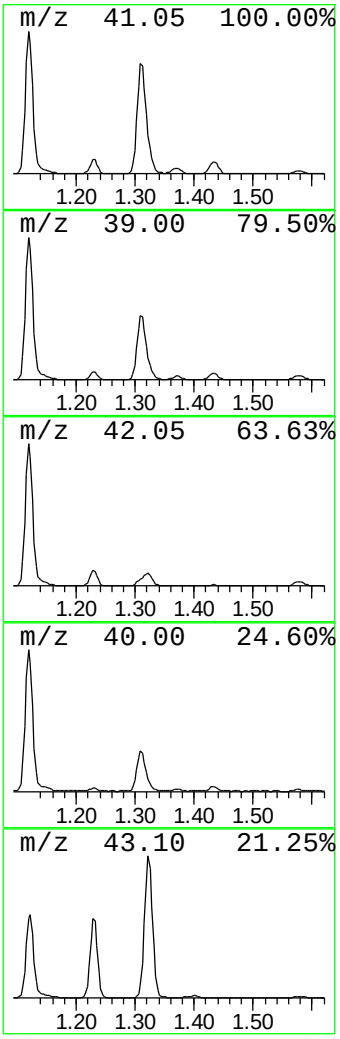
****

Peak Number 1 (DEL) Alkane: Cyclic1.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	5.70 ug/L	503657	1,4-Difluorobenzene	5.67

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	3-Butenenitrile	67	C4H5N	000109-75-1	9
4	3-Butenenitrile	67	C4H5N	000109-75-1	9
5	2-Butenenitrile	67	C4H5N	004786-20-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

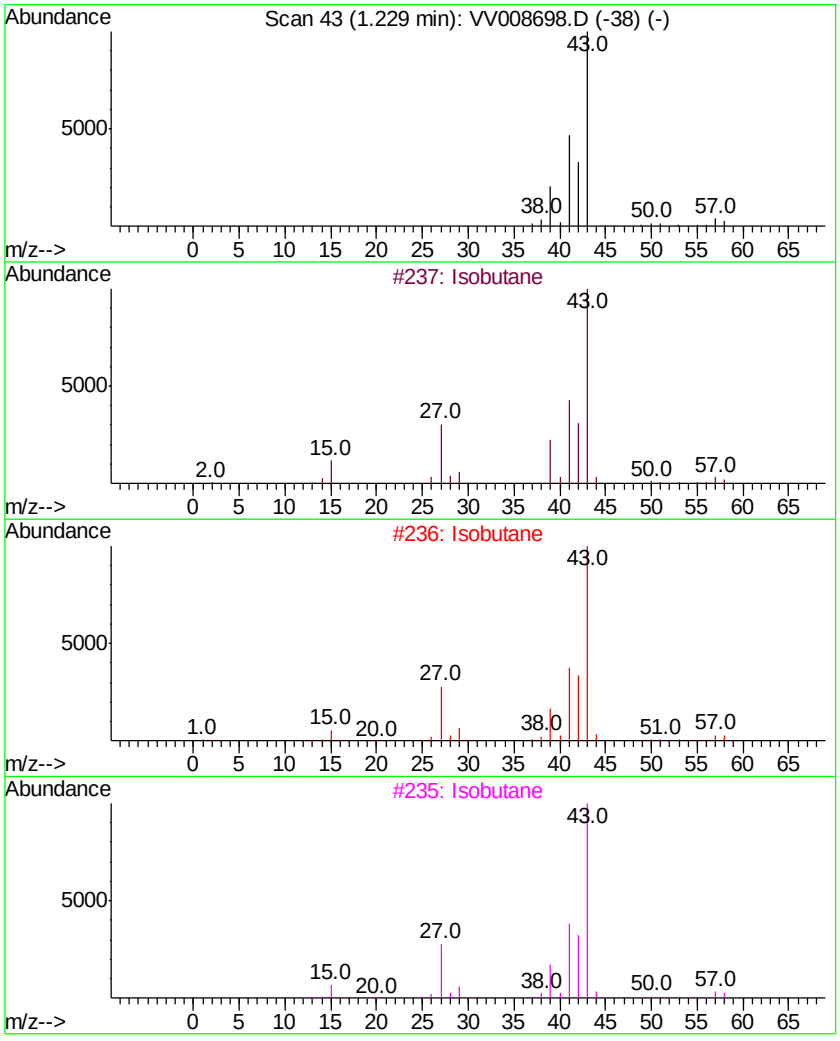
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

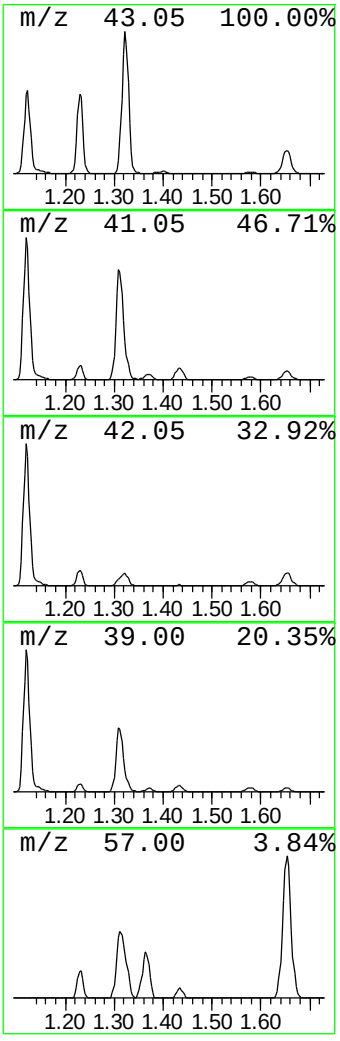
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.23	0.77 ug/L	68019	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	42
5	Cyclobutylamine	71	C4H9N	002516-34-9	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

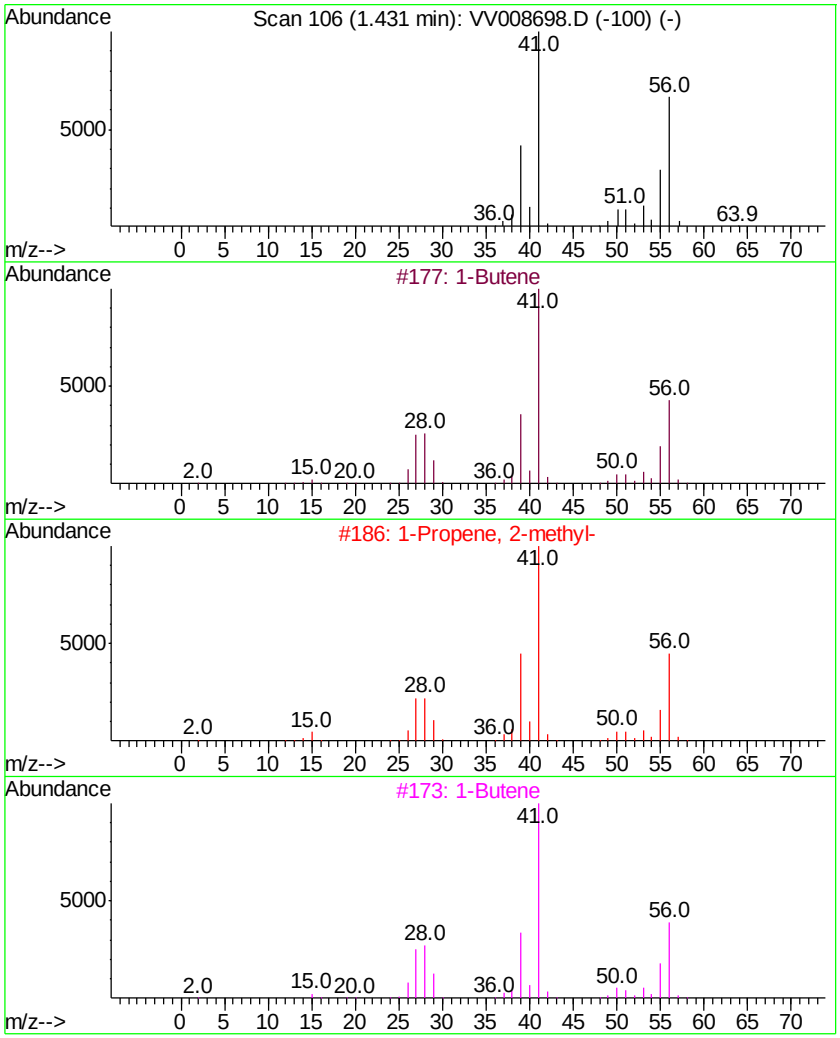
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

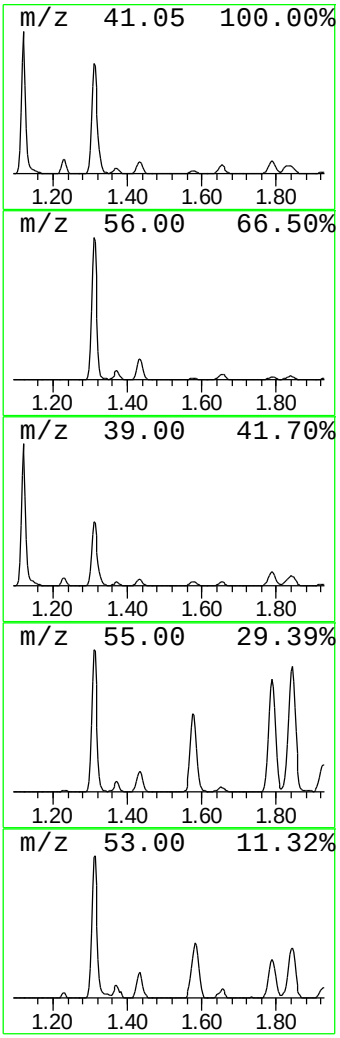
****

Peak Number 3 (DEL) Alkane: Cyclic1.43 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	0.51 ug/L	44861	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	87
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	86
3	1-Butene	56	C4H8	000106-98-9	86
4	1-Butene	56	C4H8	000106-98-9	86
5	2-Butene, (Z)-	56	C4H8	000590-18-1	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

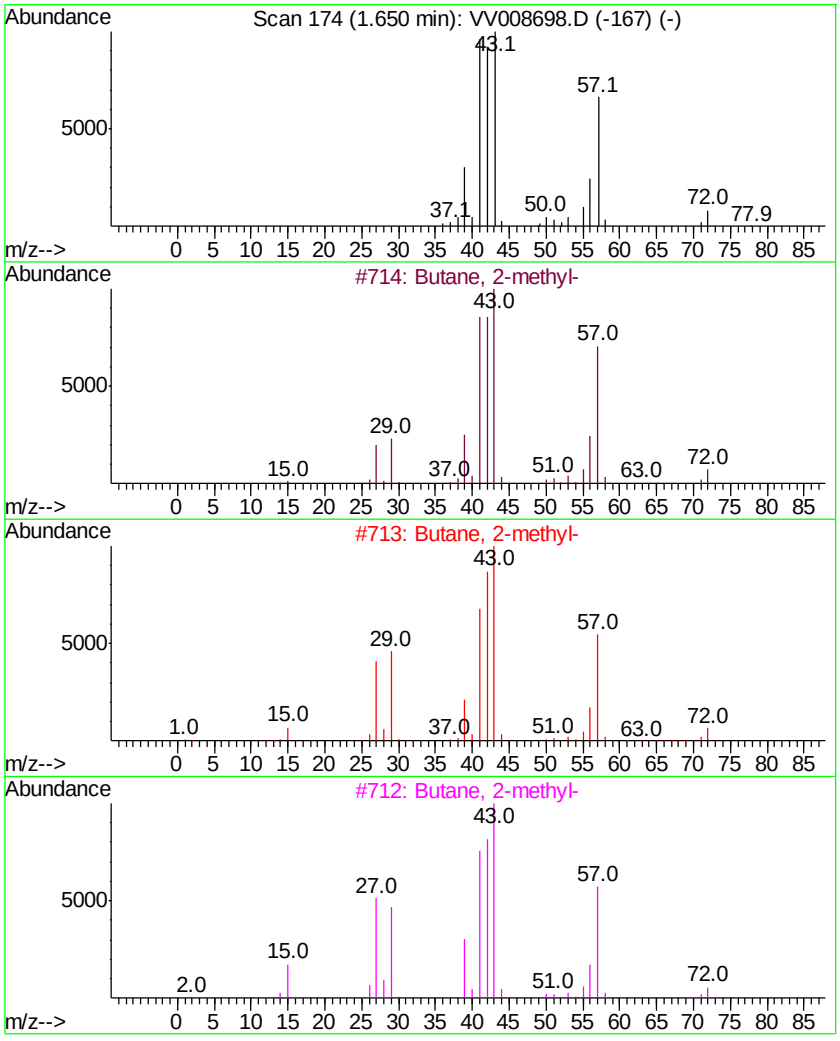
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

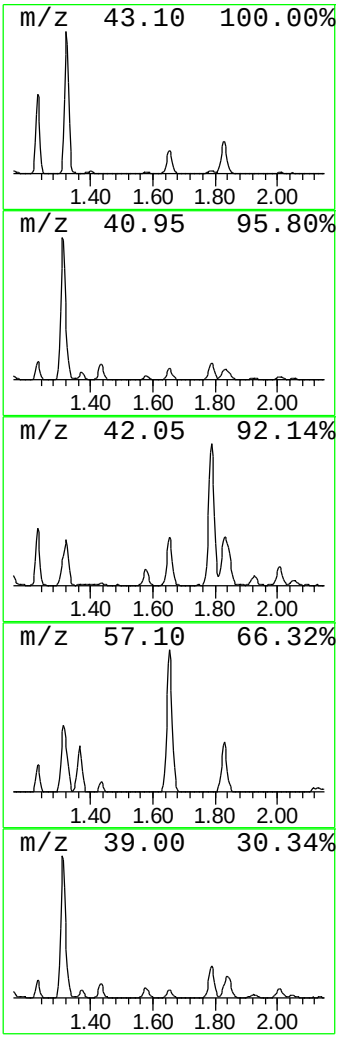
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	0.61 ug/L	54132	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Pentane	72	C5H12	000109-66-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

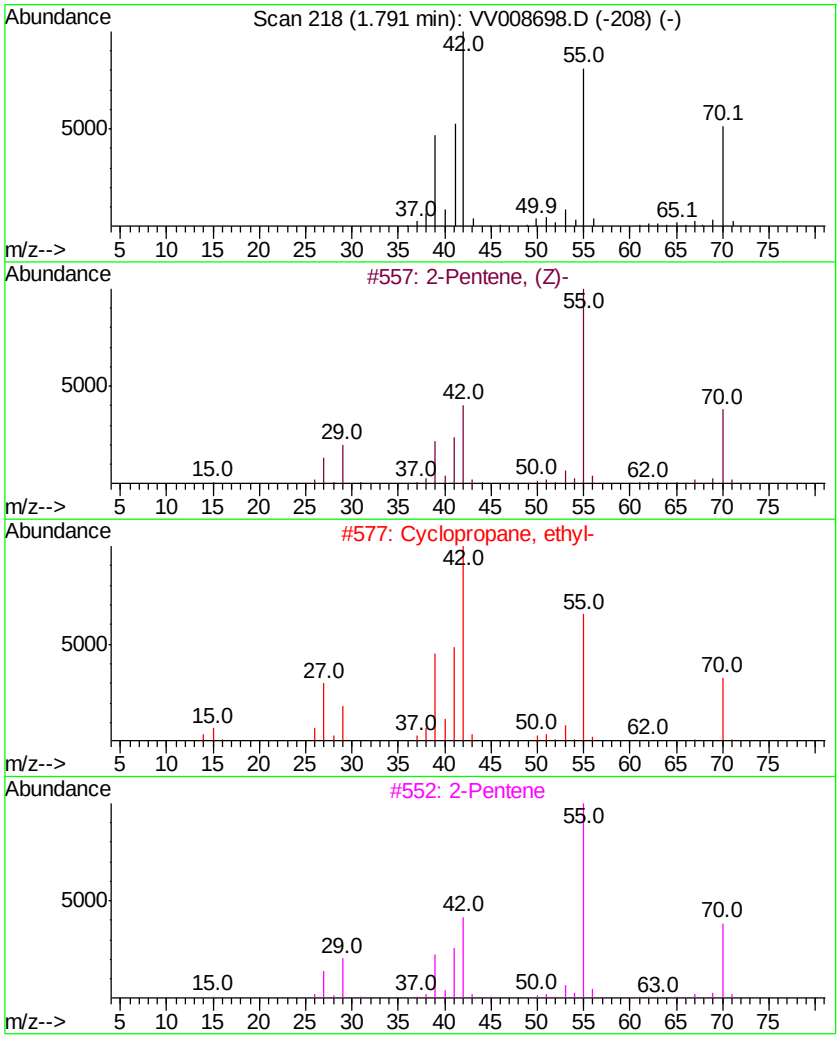
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

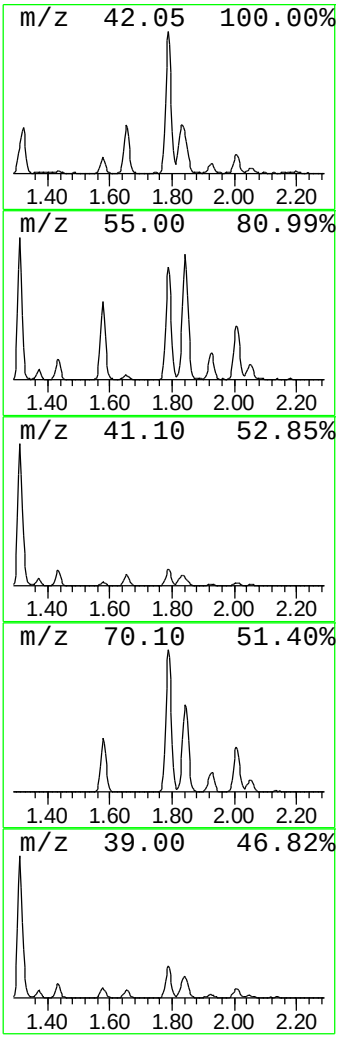
****

Peak Number 5 (DEL) Alkane: Cyclic1.79 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	1.44 ug/L	126900	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
3	2-Pentene	70	C5H10	000109-68-2	74
4	1-Pentene	70	C5H10	000109-67-1	70
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

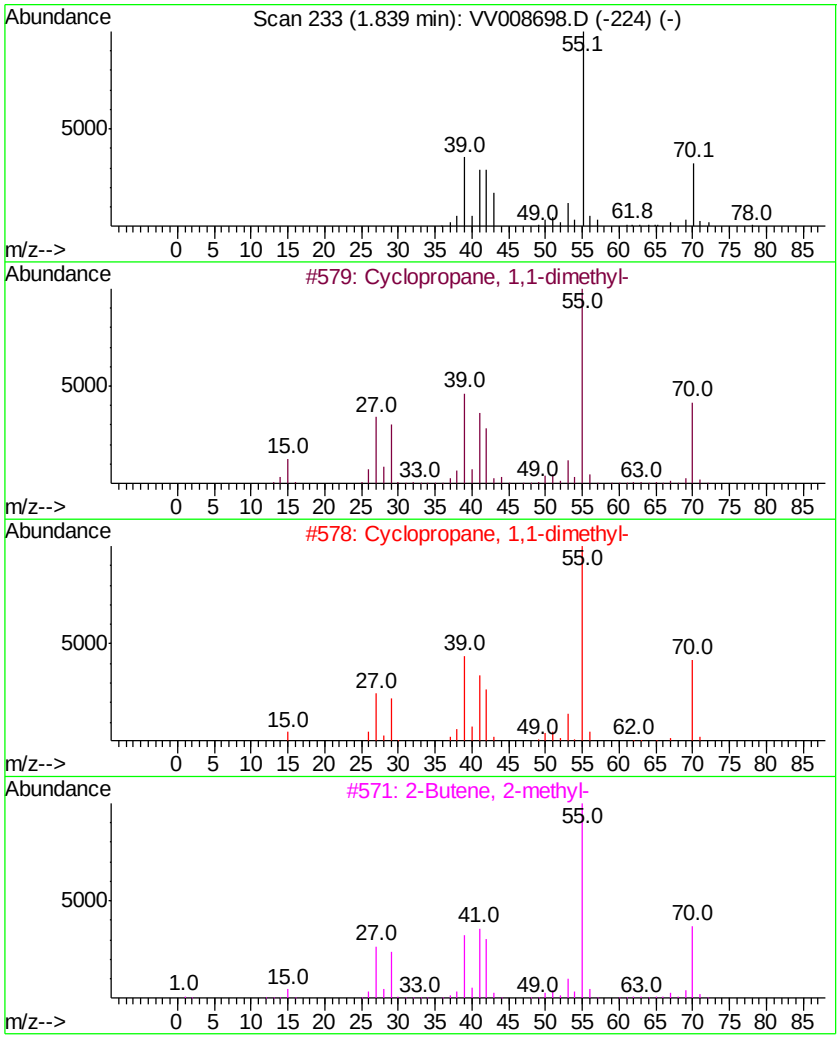
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

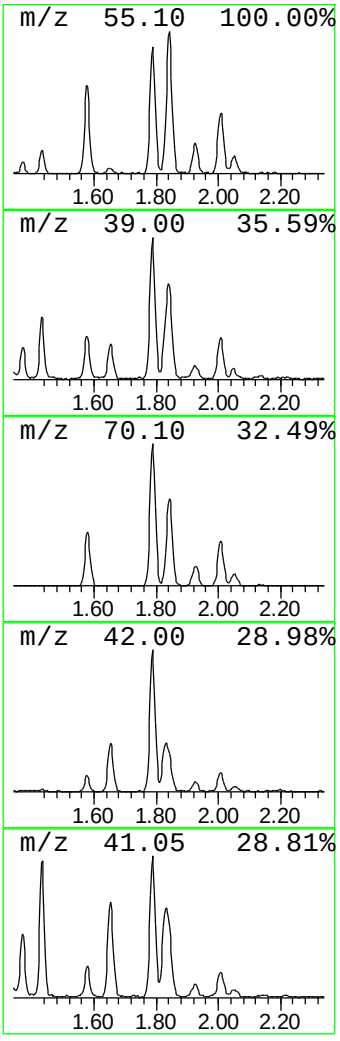
****

Peak Number 6 (DEL) Alkane: Cyclic1.84 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.84	1.42 ug/L	125628	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	90
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	90
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	2-Pentene	70	C5H10	000109-68-2	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

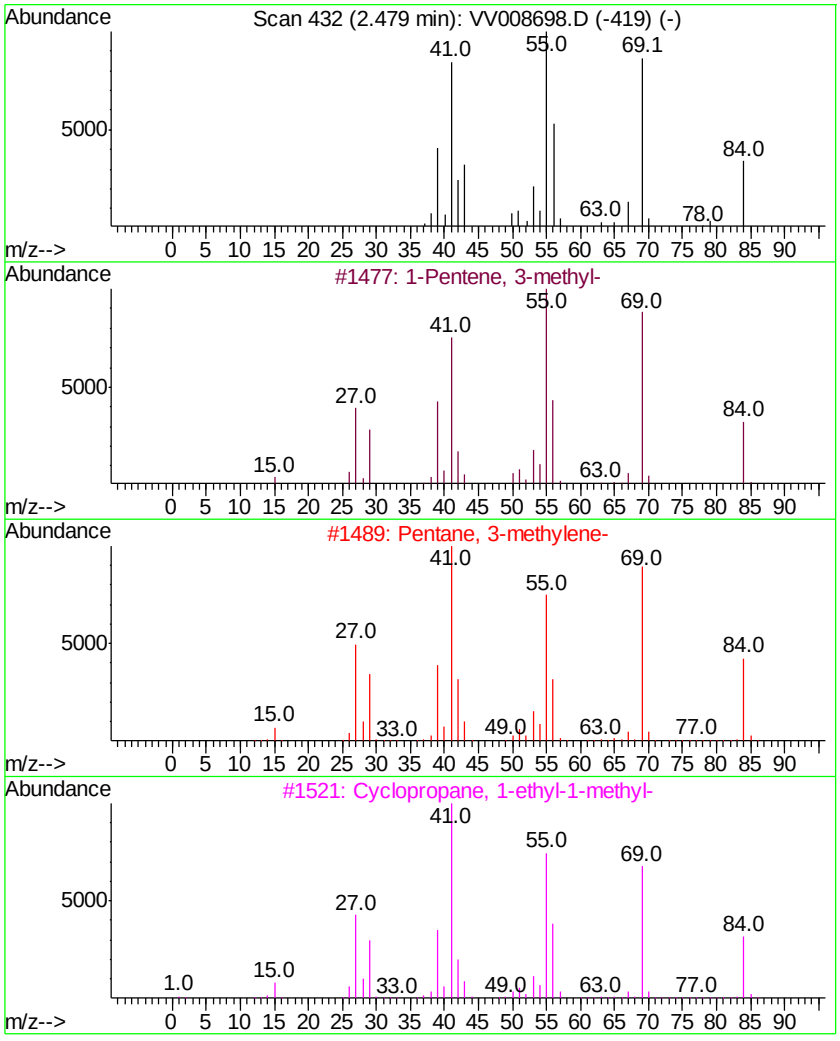
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

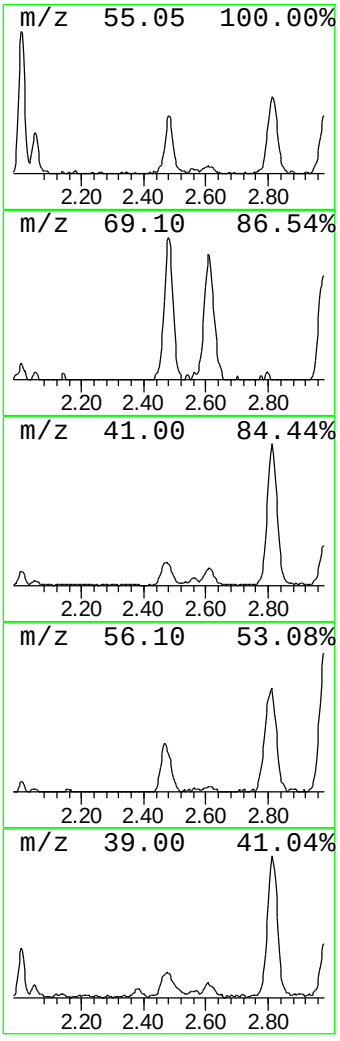
****

Peak Number 7 (DEL) Alkane: Cyclic2.48 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.48	0.60 ug/L	53465	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	90
2	Pentane, 3-methylene-	84	C6H12	000760-21-4	80
3	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	76
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	72
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

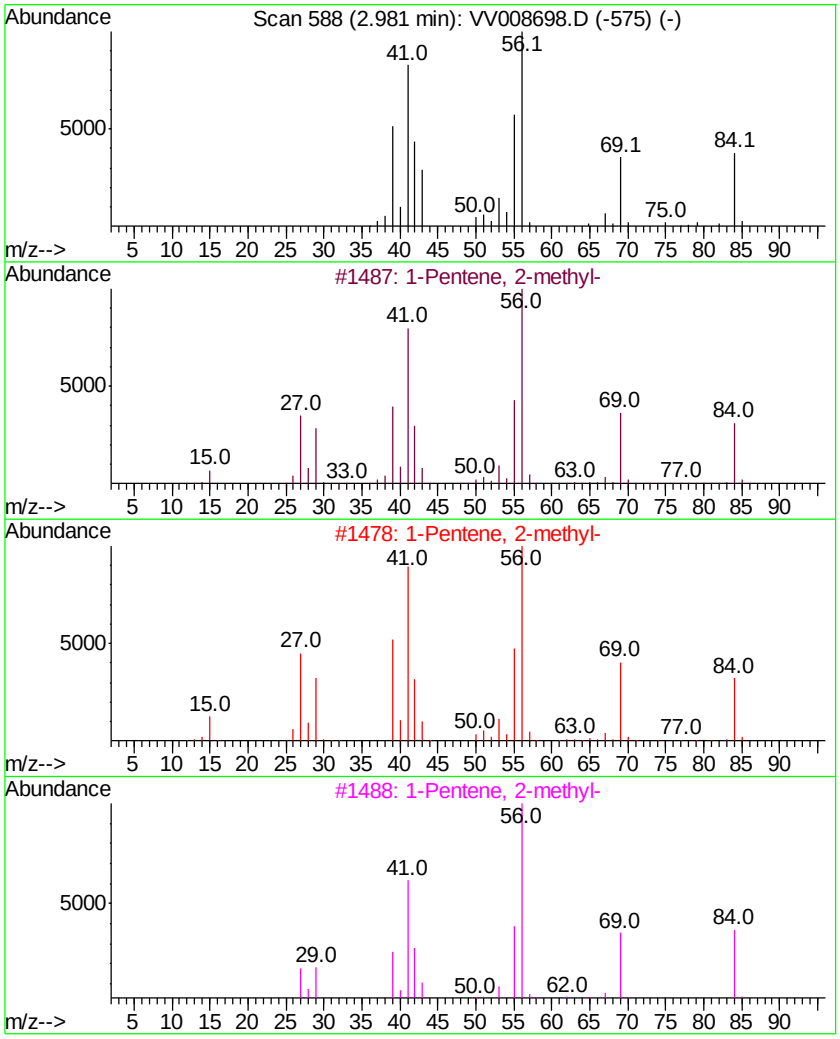
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

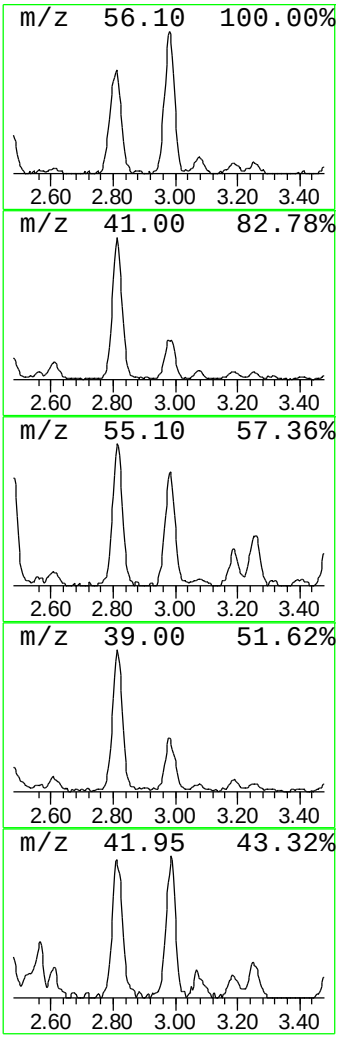
****

Peak Number 8 (DEL) Alkane: Cyclic2.98 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	0.97 ug/L	85367	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	90
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	90
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4	1-Hexene	84	C6H12	000592-41-6	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

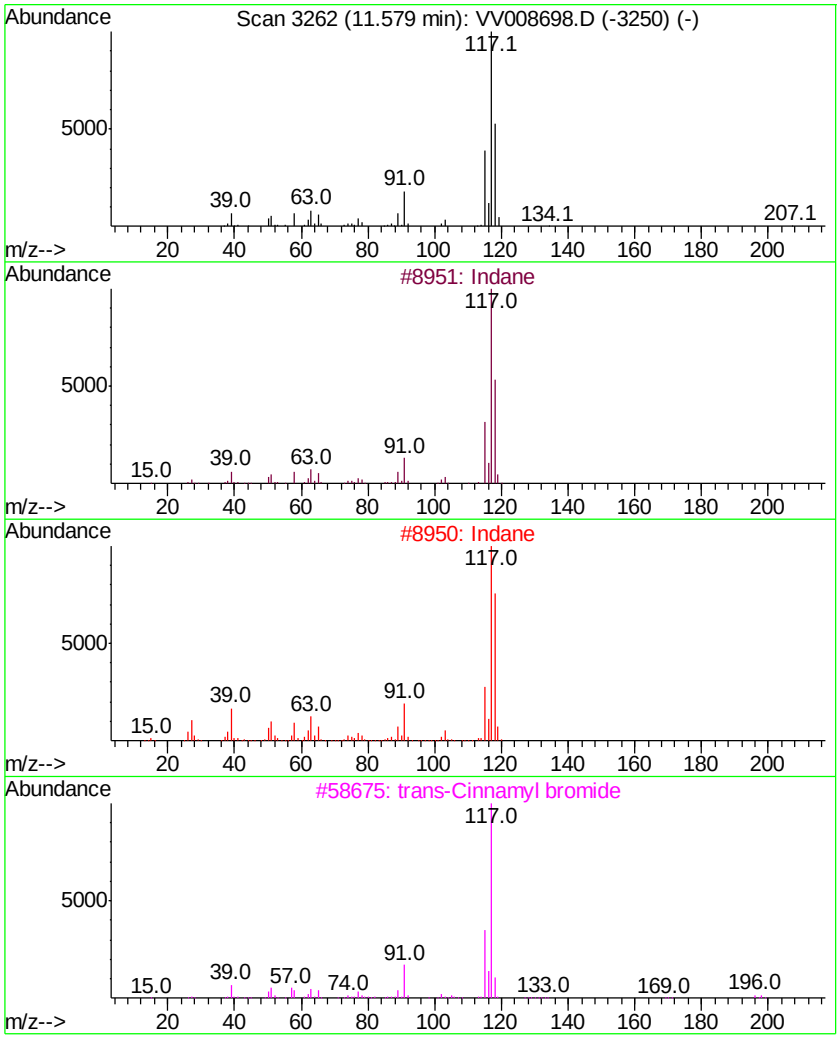
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

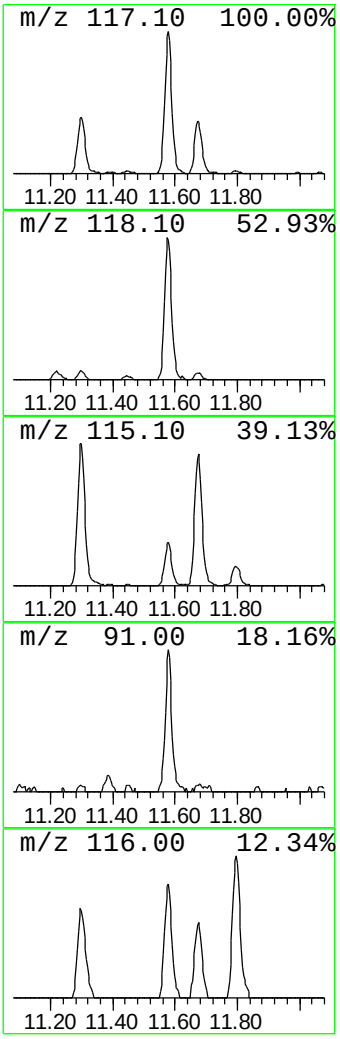
****

Peak Number 10 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	1.19 ug/L	108664	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	87
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	72
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H0FK5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.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: Cyc...	1.12	5.7	ug/L	503657	1	5.67	441955	5.0
(DEL) Alkane: Str...	1.23	0.8	ug/L	68019	1	5.67	441955	5.0
(DEL) Alkane: Cyc...	1.43	0.5	ug/L	44861	1	5.67	441955	5.0
(DEL) Alkane: Str...	1.65	0.6	ug/L	54132	1	5.67	441955	5.0
(DEL) Alkane: Cyc...	1.79	1.4	ug/L	126900	1	5.67	441955	5.0
(DEL) Alkane: Cyc...	1.84	1.4	ug/L	125628	1	5.67	441955	5.0
(DEL) Alkane: Cyc...	2.48	0.6	ug/L	53465	1	5.67	441955	5.0
(DEL) Alkane: Cyc...	2.98	1.0	ug/L	85367	1	5.67	441955	5.0
Indane	11.58	1.2	ug/L	108664	3	11.30	455964	5.0