LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

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\SOMVTR072320WMA.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	1.316	63	70	77	rVB3	23656	28377	56.47%	4.796%
2	1.582	145	153	161	rBV	7562	10200	20.30%	1.724%
3	1.647	166	173	182	rBV2	20424	26733	53.19%	4.519%
4	1.827	220	229	242	rVB8	9202	15972	31.78%	2.700%
5	2.042	289	296	305	rVB2	10661	16149	32.13%	2.730%
6	2.126	312	322	332	rBV	18881	28279	56.27%	4.780%
7	2.592	460	467	476	rBV5	5942	10320	20.54%	1.744%
8	4.383	1010	1024	1025	rBV3	8141	12671	25.21%	2.142%
9	4.711	1112	1126	1127	rBV10	4022	6975	13.88%	1.179%
10	4.785	1141	1149	1150	rBV5	6461	6388	12.71%	1.080%
11	5.081	1228	1241	1253	rBV3	19203	46770	93.07%	7.905%
12	5.257	1284	1296	1314	rVB4	18016	45224	89.99%	7.644%
13	5.653	1407	1419	1430	rBV2	21851	49193	97.89%	8.315%
14	6.100	1547	1558	1567	rBV9	9961	19985	39.77%	3.378%
15	6.679	1723	1738	1747	rBV4	10763	22710	45.19%	3.839%
16	6.801	1767	1776	1783	rBV8	7335	11931	23.74%	2.017%
17	7.344	1936	1945	1960	rBV2	24474	42568	84.70%	7.195%
18	8.138	2182	2192	2196	rBV9	3800	6529	12.99%	1.104%
19	8.878	2413	2422	2430	rBV	23526	38364	76.34%	6.484%
20	9.042	2465	2473	2480	rBV5	4838	6566	13.07%	1.110%
21	9.161	2500	2510	2522	rBV3	27347	50255	100.00%	8.494%
22	10.765	3002	3009	3017	rVB6	3396	5340	10.63%	0.903%
23	10.939	3054	3063	3072	rBV3	12880	21456	42.69%	3.627%
24	11.277	3159	3168	3178	rBV3	17269	28706	57.12%	4.852%
25	11.556	3247	3255	3265	rBV6	5670	9756	19.41%	1.649%
26	11.653	3274	3285	3296	rBV3	13559	24210	48.17%	4.092%

Sum of corrected areas: 591627

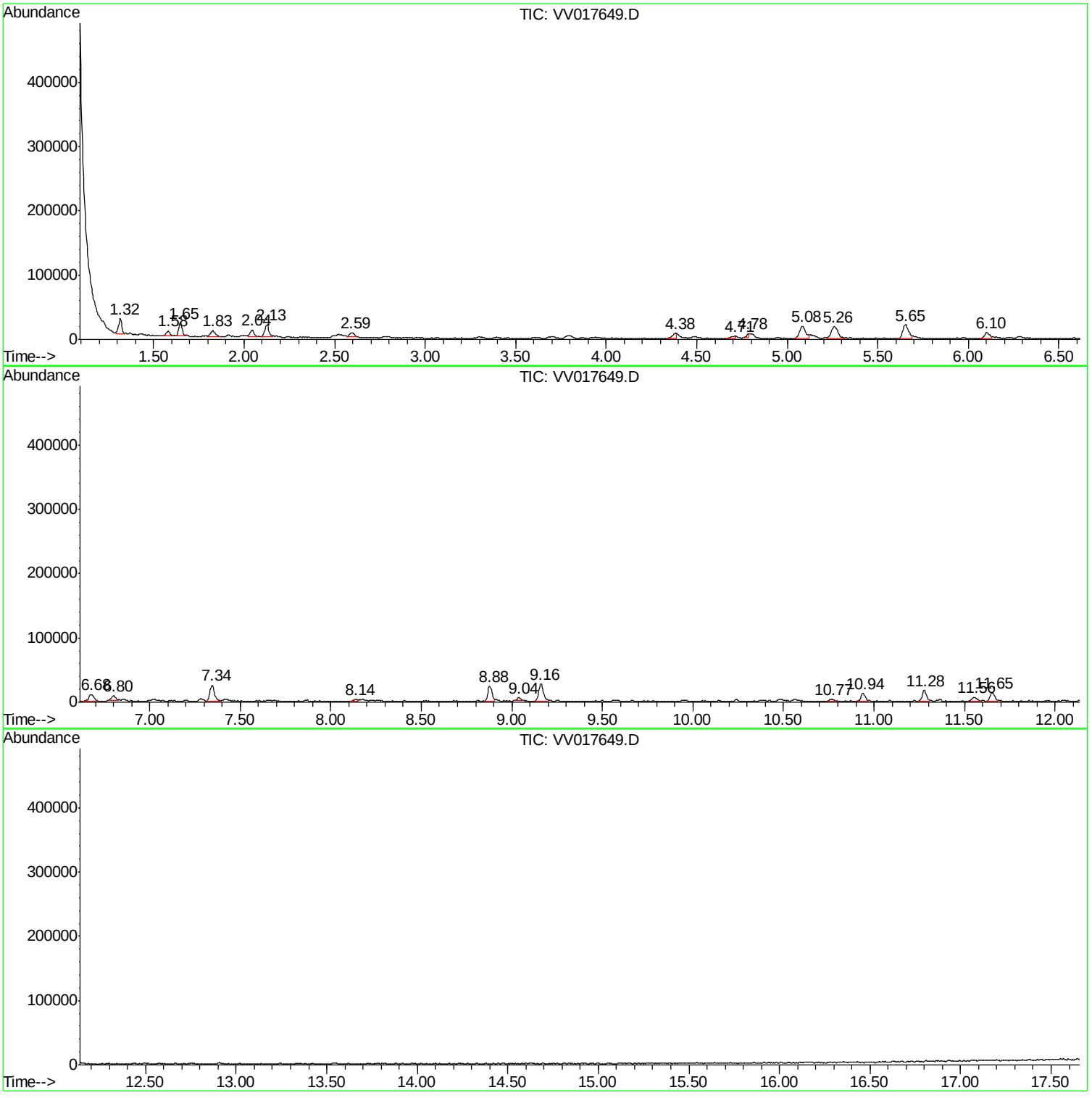
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.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\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

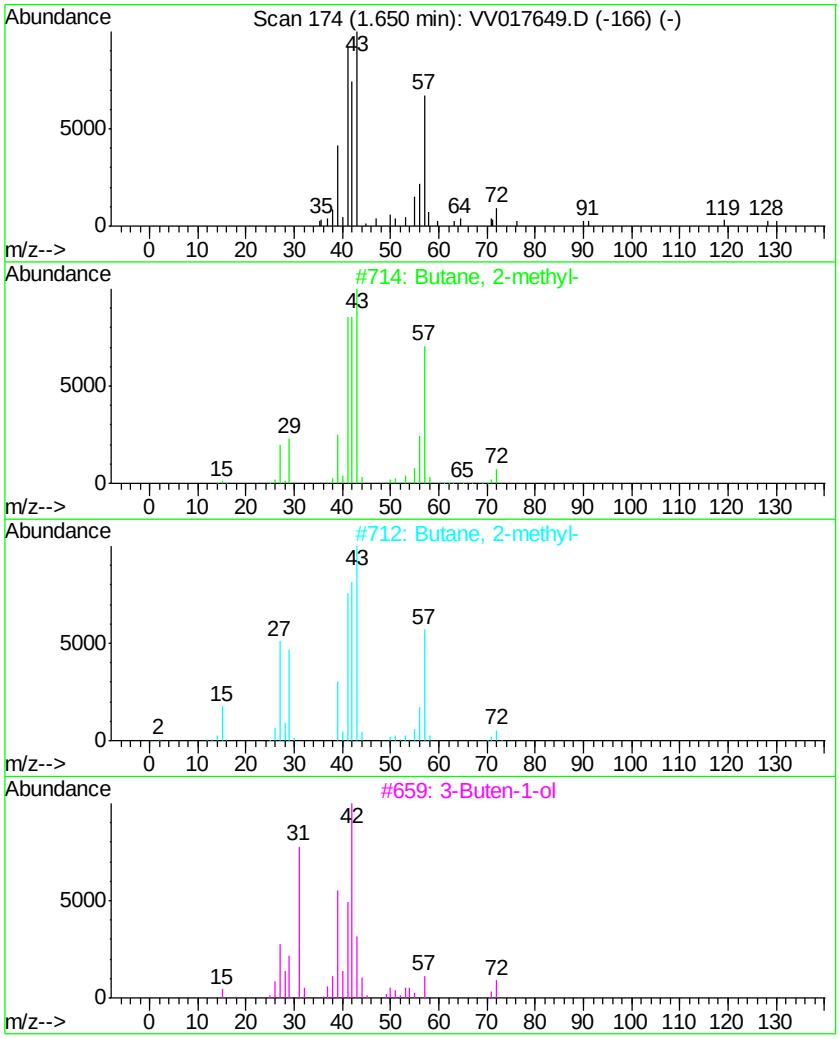
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

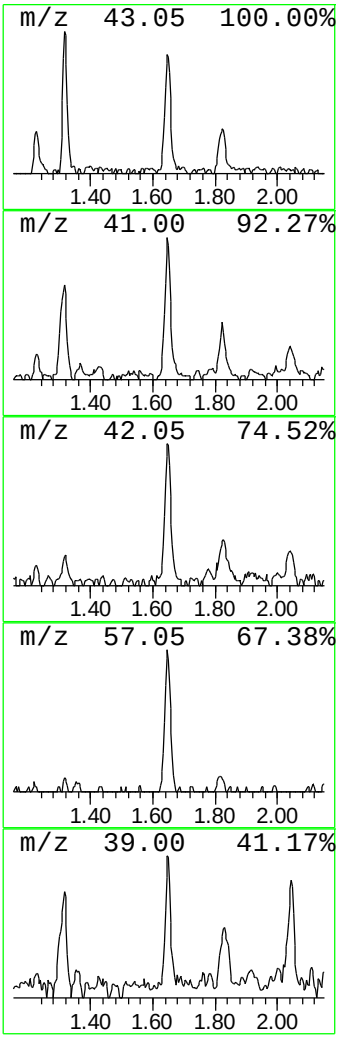
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	2.72 ug/L	26733	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	64
2	Butane, 2-methyl-	72	C5H12	000078-78-4	59
3	3-Buten-1-ol	72	C4H8O	000627-27-0	50
4	3-Buten-1-ol	72	C4H8O	000627-27-0	50
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

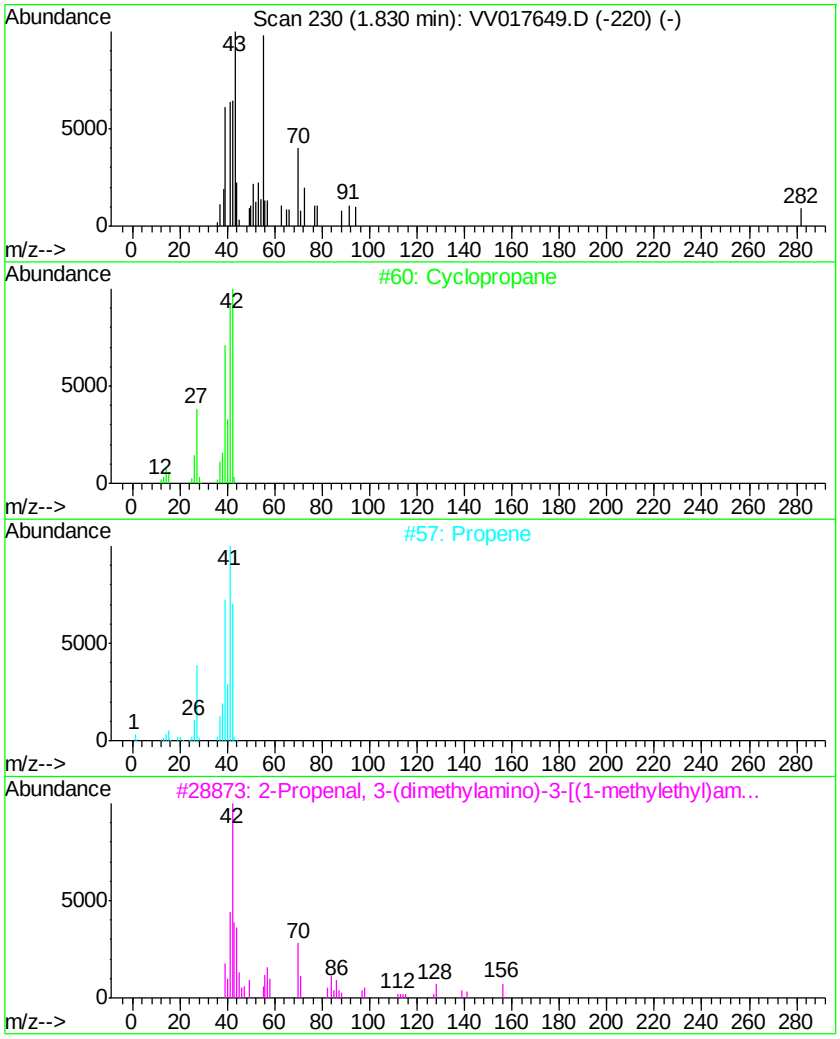
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

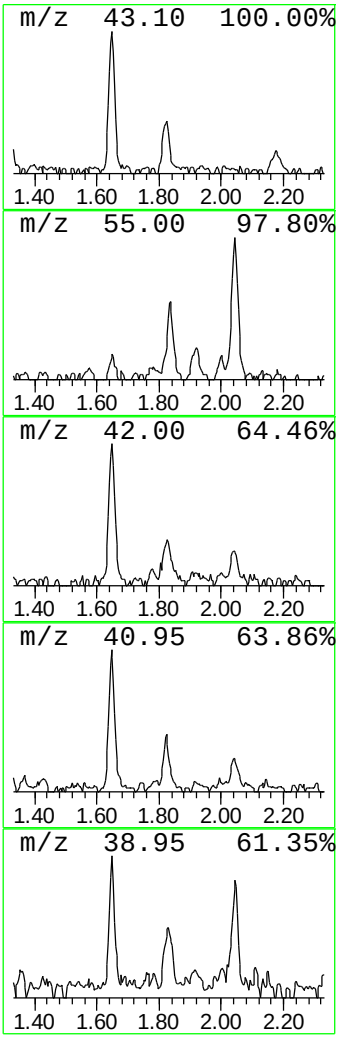
****

Peak Number 2 (DEL) Alkane: Cyclic1.83 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.83	1.62 ug/L	15972	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane	42	C3H6	000075-19-4	47
2	Propene	42	C3H6	000115-07-1	38
3	2-Propenal, 3-(dimethylamino)-3-...	156	C8H16N2O	042801-00-3	37
4	2-Pentene, (E)-	70	C5H10	000646-04-8	32
5	3-Buten-1-ol	72	C4H8O	000627-27-0	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

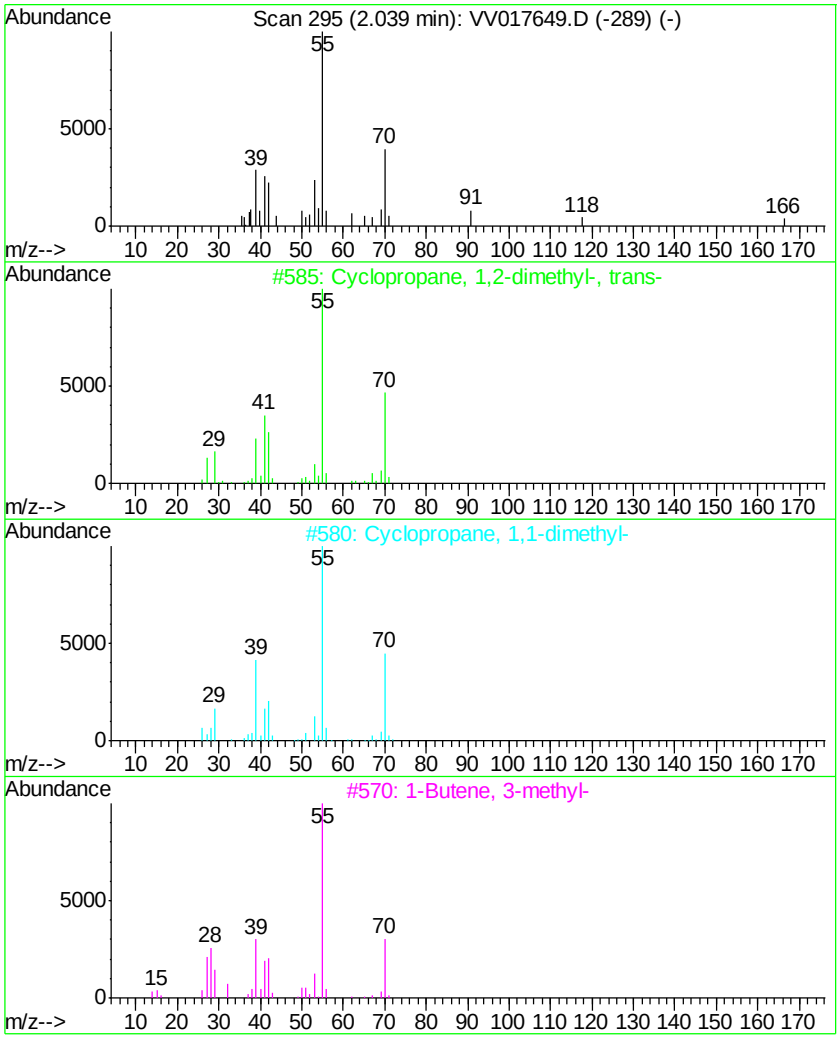
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

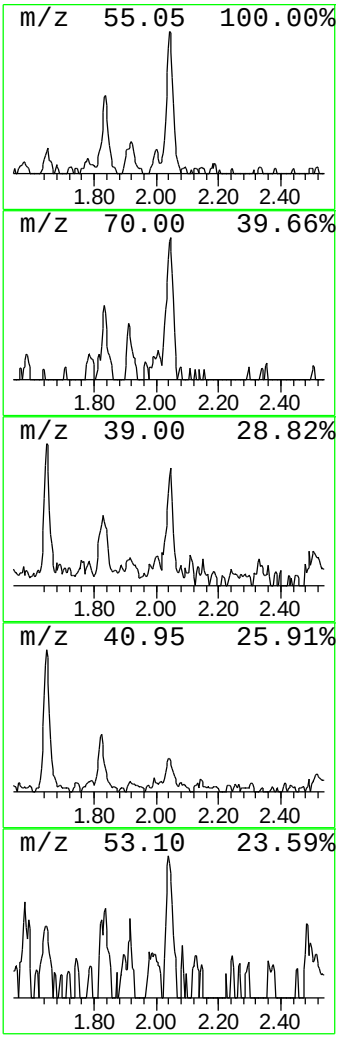
****

Peak Number 3 (DEL) Alkane: Cyclic2.04 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	1.64 ug/L	16149	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	59
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	58
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	50
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	50
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

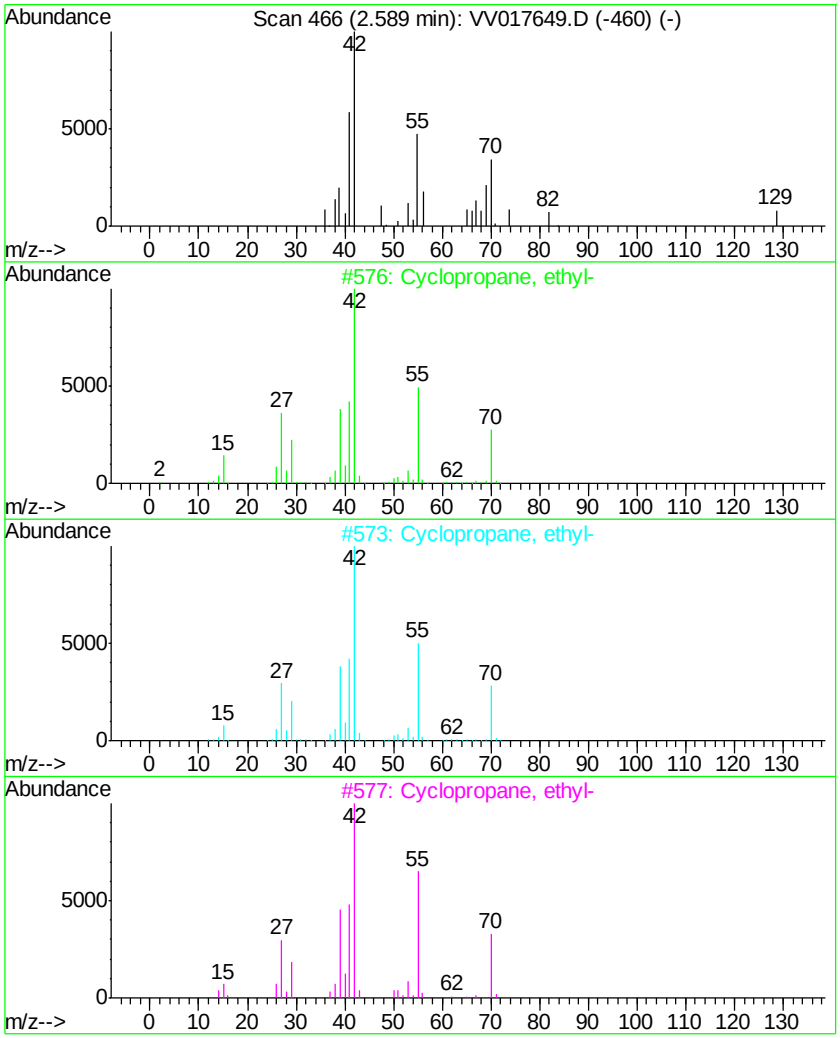
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

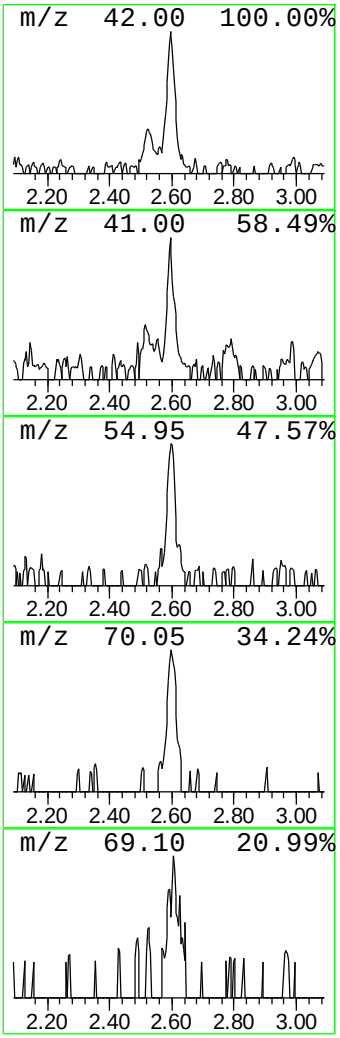
****

Peak Number 4 (DEL) Alkane: Cyclic2.59 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	1.05 ug/L	10320	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	53
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	50
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	38
4	1-Pentanol	88	C5H12O	000071-41-0	25
5	10-Azido-1-decanethiol	215	C10H21N3S	1152113-44-4	17





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

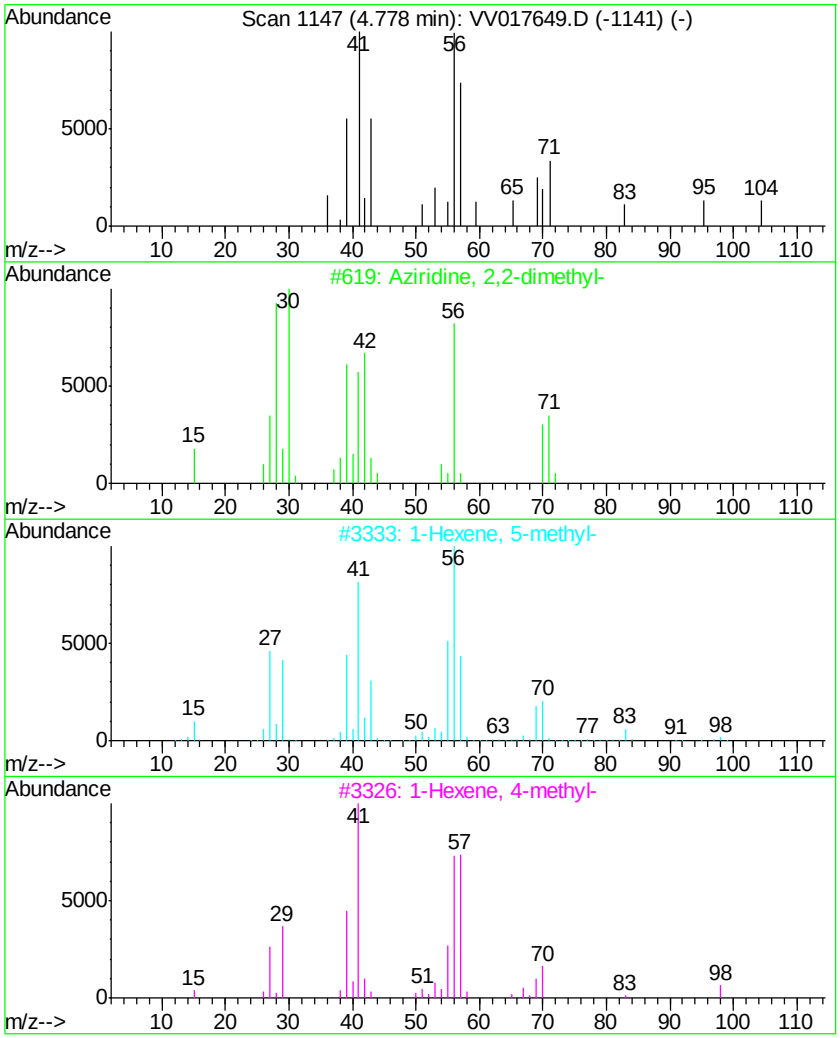
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

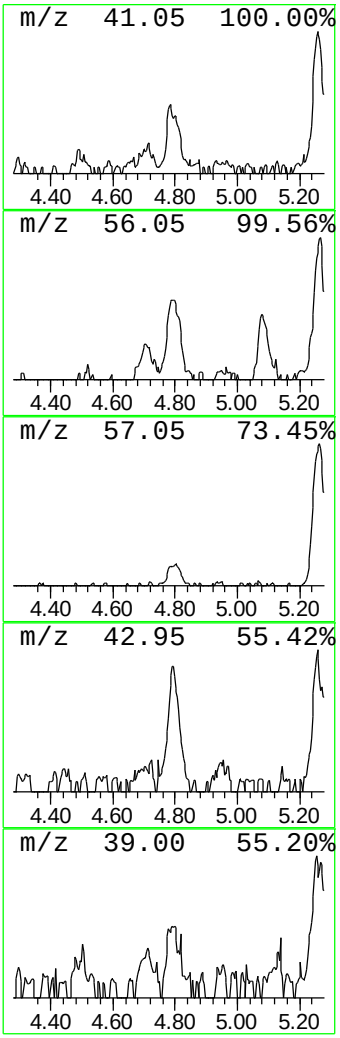
****

Peak Number 5 Aziridine, 2,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	0.65 ug/L	6388	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	50
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	43
3	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	38
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	38
5	1-Pentene, 3,4-dimethyl-	98	C7H14	007385-78-6	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

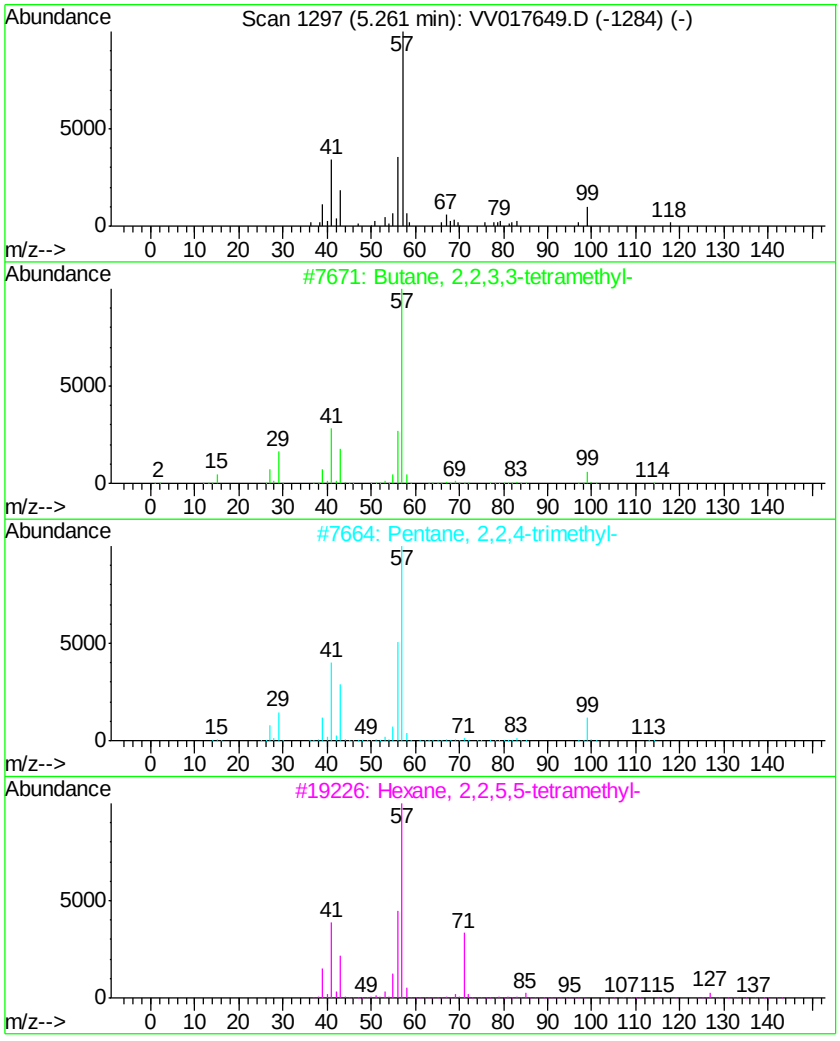
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

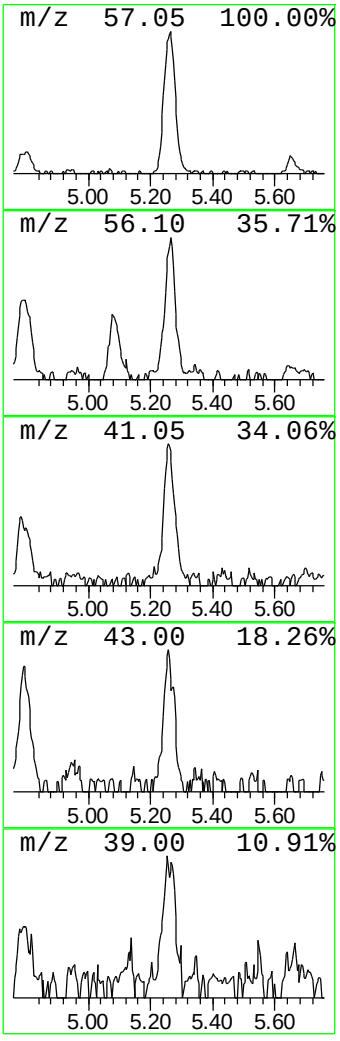
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	4.60 ug/L	45224	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	53
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	53
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	43
4	Heptane, 3-bromo-	178	C7H15Br	001974-05-6	43
5	Butane, 2-azido-2,3,3-trimethyl-	141	C7H15N3	051677-41-9	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

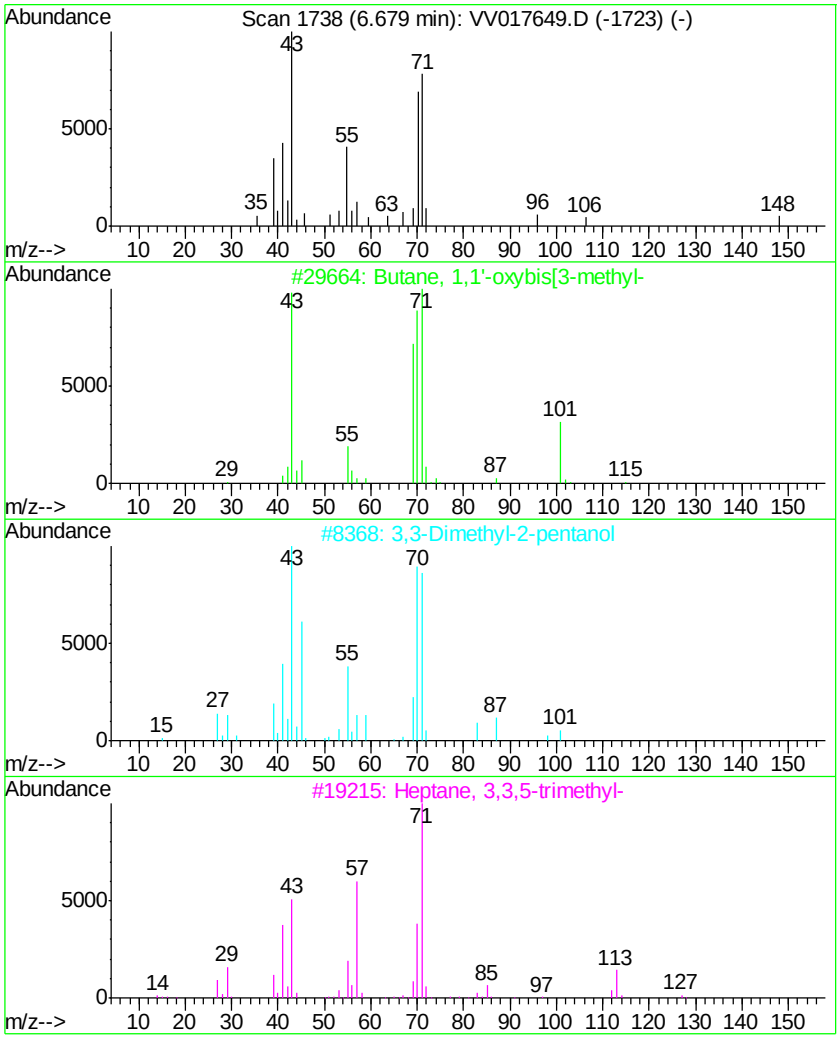
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

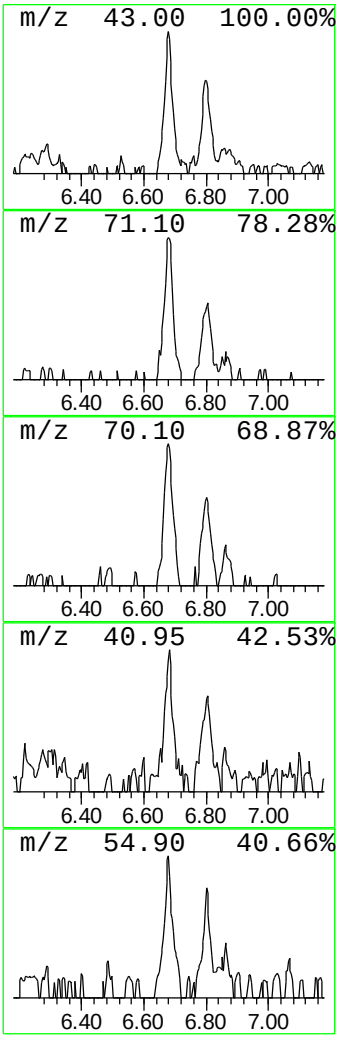
****

Peak Number 7 Butane, 1,1'-oxybis[3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	2.31 ug/L	22710	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,1'-oxybis[3-methyl-	158	C10H22O	000544-01-4	64
2	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	59
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
4	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	53
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

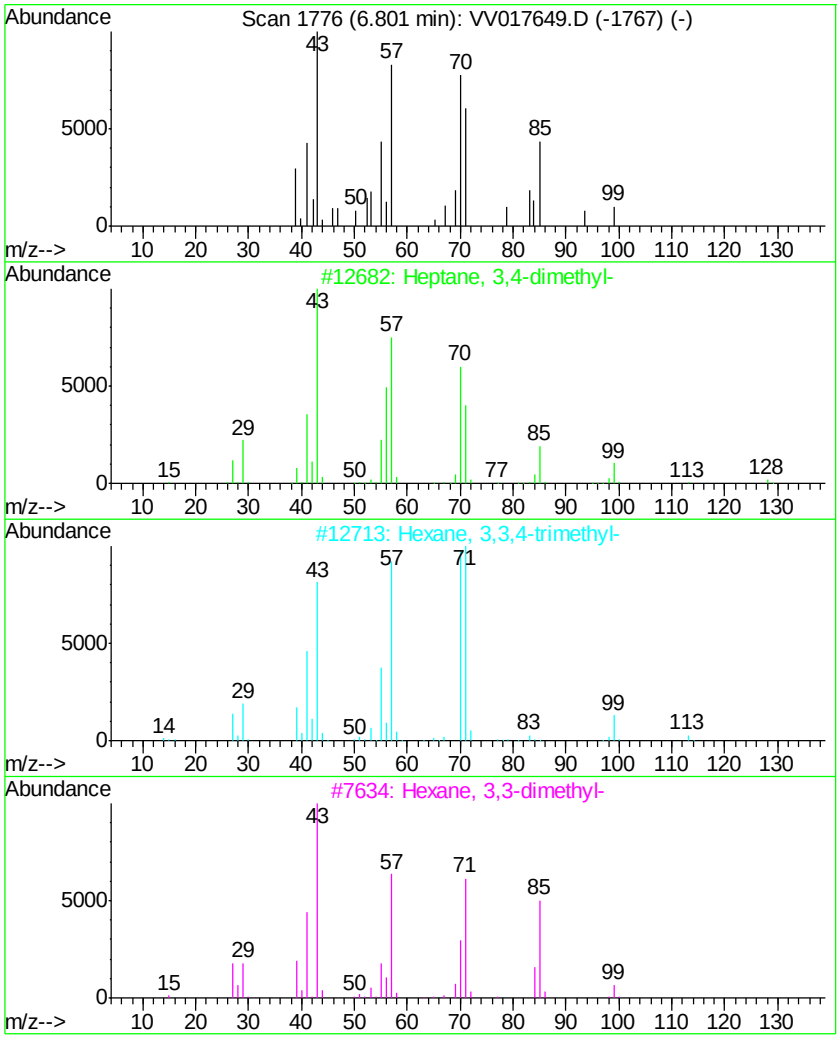
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

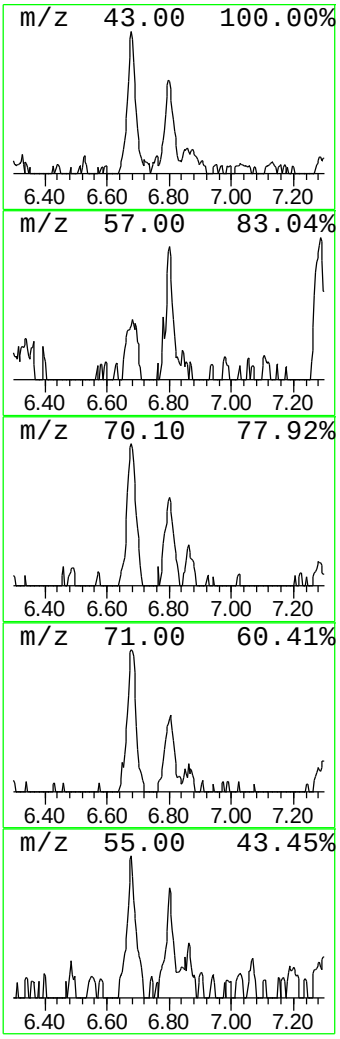
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	1.21 ug/L	11931	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	50
2	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	43
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43
5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

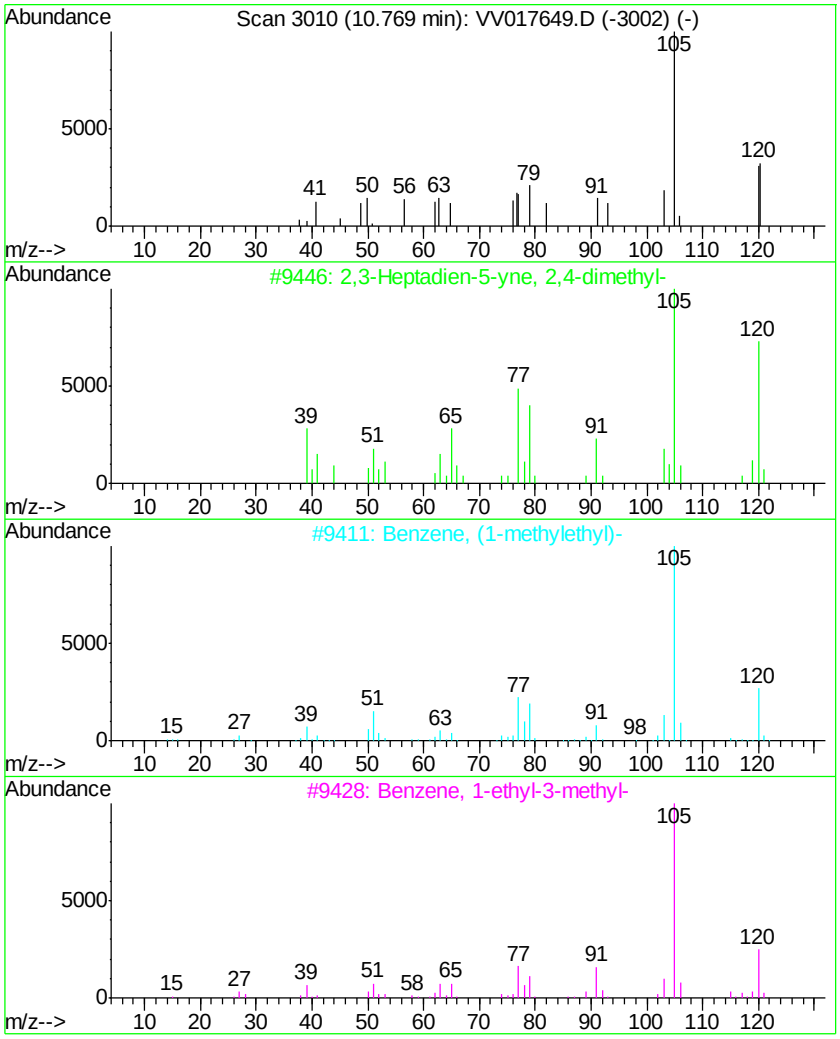
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

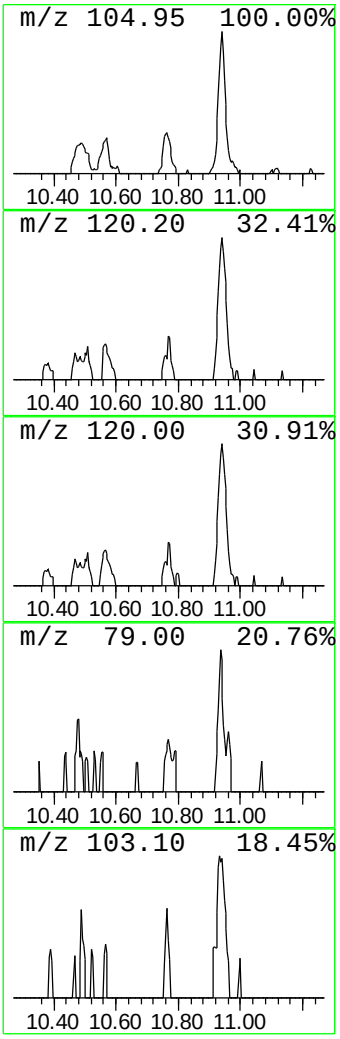
****

Peak Number 9 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	0.93 ug/L	5340	1,4-Dichlorobenzene-d4	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	35
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	22
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	18
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	14
5	Benzeneethanol, .beta.-methyl-	136	C9H12O	001123-85-9	14





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

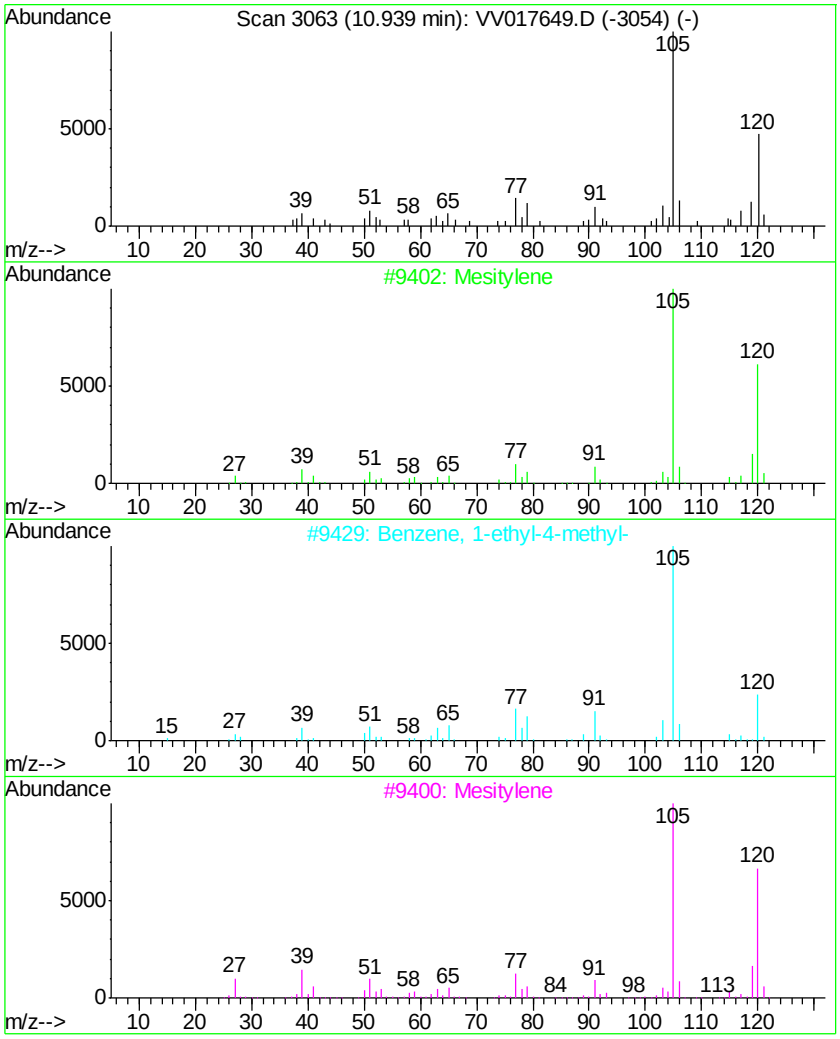
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

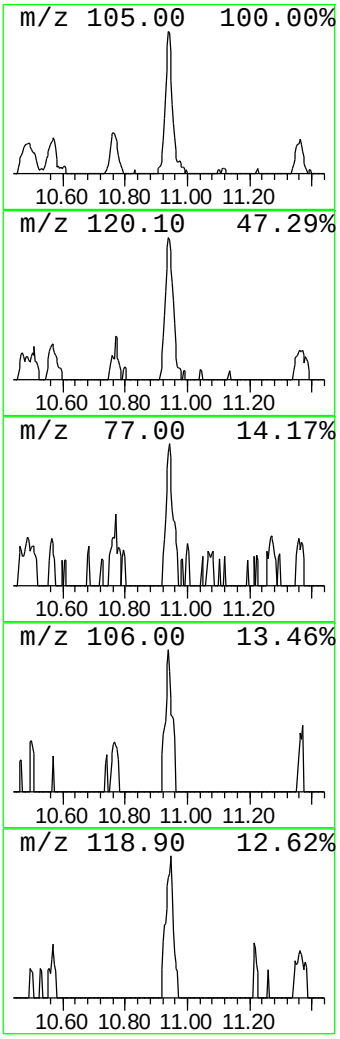
****

Peak Number 10 Mesitylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	3.74 ug/L	21456	1,4-Dichlorobenzene-d4	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

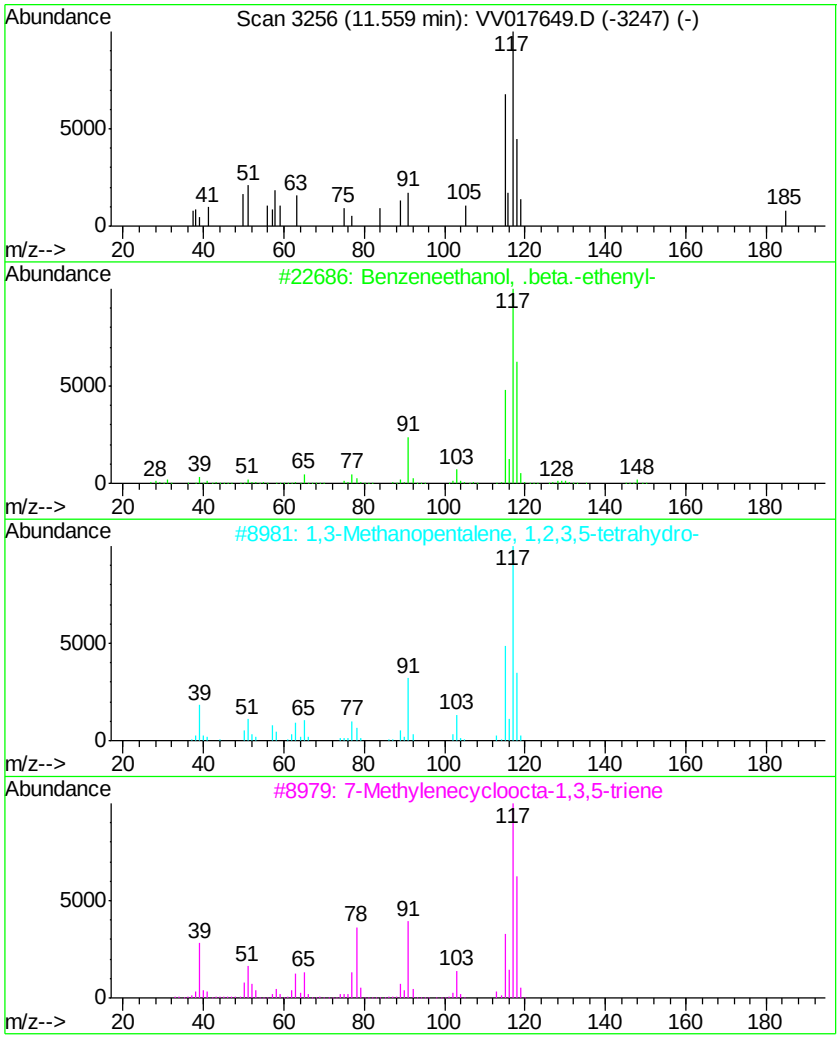
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

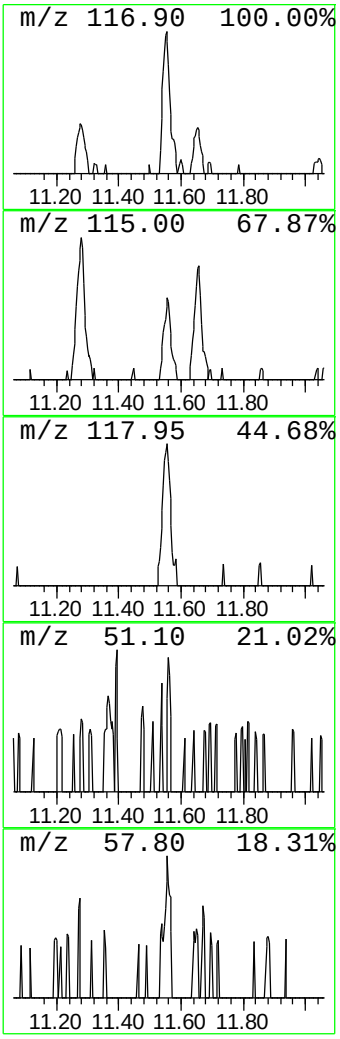
****

Peak Number 11 Benzeneethanol, .beta.-ethe... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	1.70 ug/L	9756	1,4-Dichlorobenzene-d4	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	72
2	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	59
3	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	58
4	Indane	118	C9H10	000496-11-7	53
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072420\
Data File : VV017649.D
Acq On : 24 Jul 2020 15:16
Operator : SY/MD
Sample : L3395-16DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAY24DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.65	2.7	ug/L	26733	1	5.65	49193	5.0
(DEL) Alkane: Cyc...	1.83	1.6	ug/L	15972	1	5.65	49193	5.0
(DEL) Alkane: Cyc...	2.04	1.6	ug/L	16149	1	5.65	49193	5.0
(DEL) Alkane: Cyc...	2.59	1.1	ug/L	10320	1	5.65	49193	5.0
Aziridine, 2,2-di...	4.78	0.7	ug/L	6388	1	5.65	49193	5.0
(DEL) Alkane: Str...	5.26	4.6	ug/L	45224	1	5.65	49193	5.0
Butane, 1,1'-oxyb...	6.68	2.3	ug/L	22710	1	5.65	49193	5.0
(DEL) Alkane: Str...	6.80	1.2	ug/L	11931	1	5.65	49193	5.0
unknown-01	10.77	0.9	ug/L	5340	3	11.28	28706	5.0
Mesitylene	10.94	3.7	ug/L	21456	3	11.28	28706	5.0
Benzeneethanol, ...	11.56	1.7	ug/L	9756	3	11.28	28706	5.0