LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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_N\METHODS\82N042720W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.638	3	15	62	rBV	4043957	14000131	100.00%	49.828%
2	2.159	171	177	193	rVB	164394	251167	1.79%	0.894%
3	4.484	876	900	934	rBV2	92477	329026	2.35%	1.171%
4	6.474	1496	1519	1542	rBV2	75704	242553	1.73%	0.863%
5	6.779	1589	1614	1674	rBV	2381445	6949083	49.64%	24.732%
6	7.548	1833	1853	1864	rBV2	79807	211393	1.51%	0.752%
7	7.625	1865	1877	1889	rVV	141675	340663	2.43%	1.212%
8	7.706	1889	1902	1925	rVB2	181448	471187	3.37%	1.677%
9	7.988	1976	1990	2011	rVB	93818	216979	1.55%	0.772%
10	8.172	2015	2047	2067	rBV	251728	780373	5.57%	2.777%
11	8.551	2146	2165	2187	rBV	219541	451207	3.22%	1.606%
12	9.014	2294	2309	2316	rBV2	74811	168462	1.20%	0.600%
13	9.487	2436	2456	2475	rBV2	198388	410968	2.94%	1.463%
14	9.622	2482	2498	2514	rBV	272665	577975	4.13%	2.057%
15	10.059	2621	2634	2654	rVB	398861	742635	5.30%	2.643%
16	10.226	2664	2686	2704	rVB	84656	196872	1.41%	0.701%
17	10.403	2730	2741	2758	rVB2	76682	143615	1.03%	0.511%
18	11.381	3031	3045	3062	rBV	342761	597906	4.27%	2.128%
19	12.377	3342	3355	3367	rBV	267839	448114	3.20%	1.595%
20	13.316	3634	3647	3663	rBV	342282	566869	4.05%	2.018%

Sum of corrected areas: 28097178

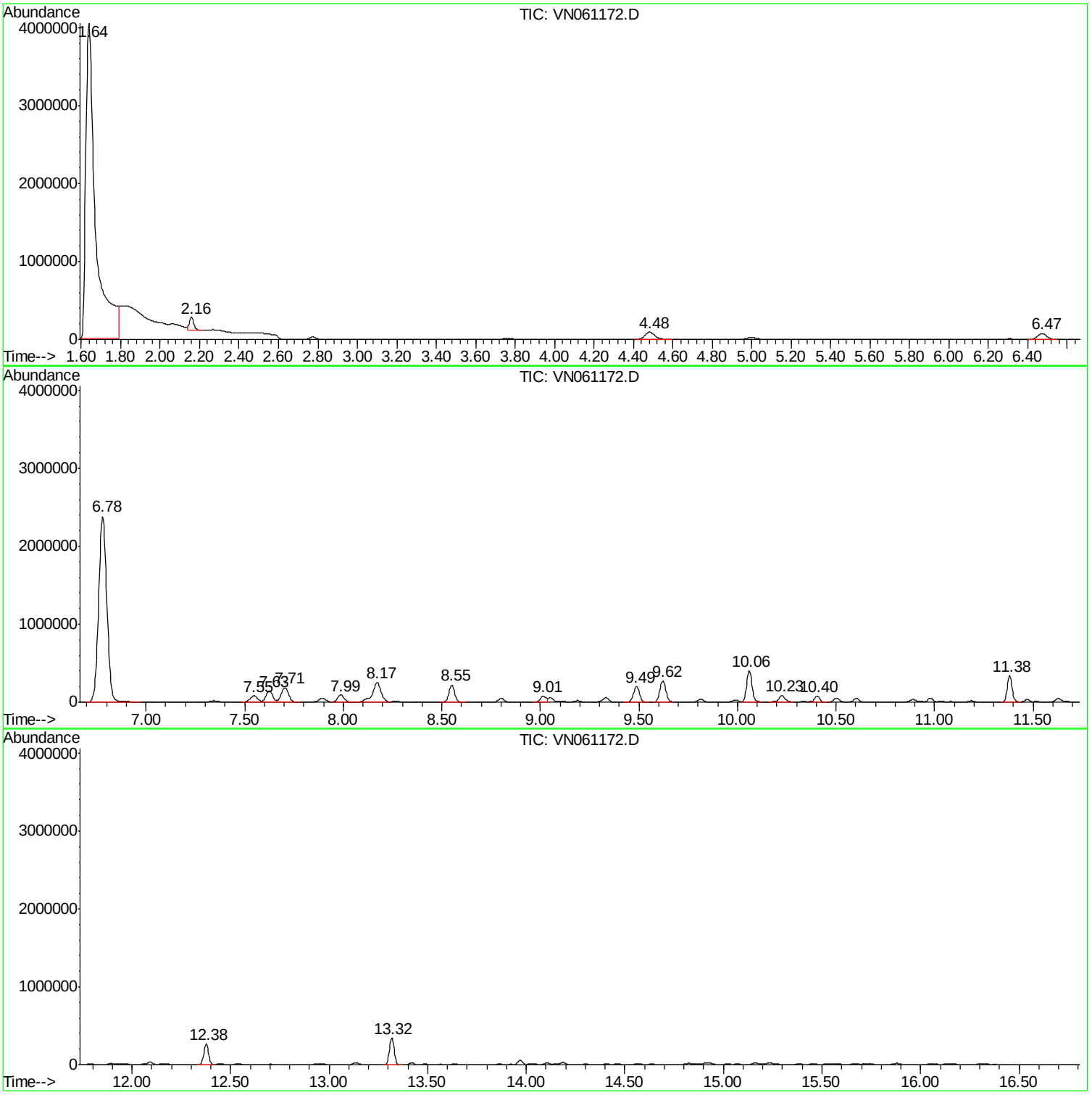
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

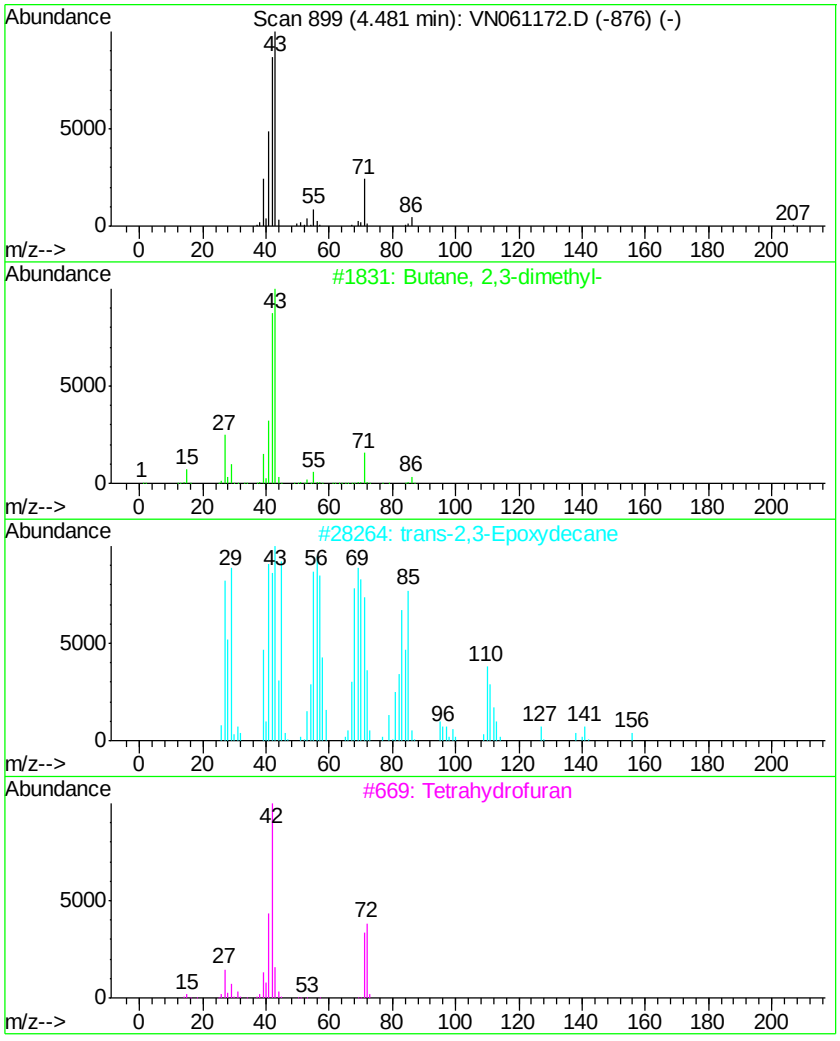
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

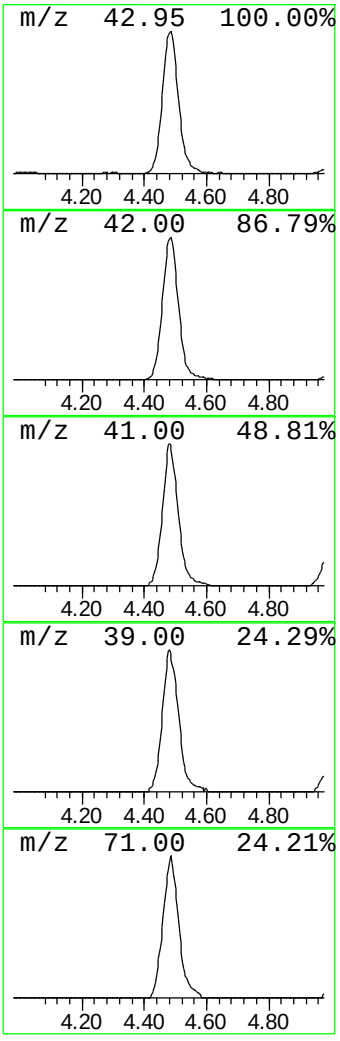
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	48.29 ug/l	329026	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	81
3	Tetrahydrofuran	72	C4H8O	000109-99-9	38
4	Pentane	72	C5H12	000109-66-0	38
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

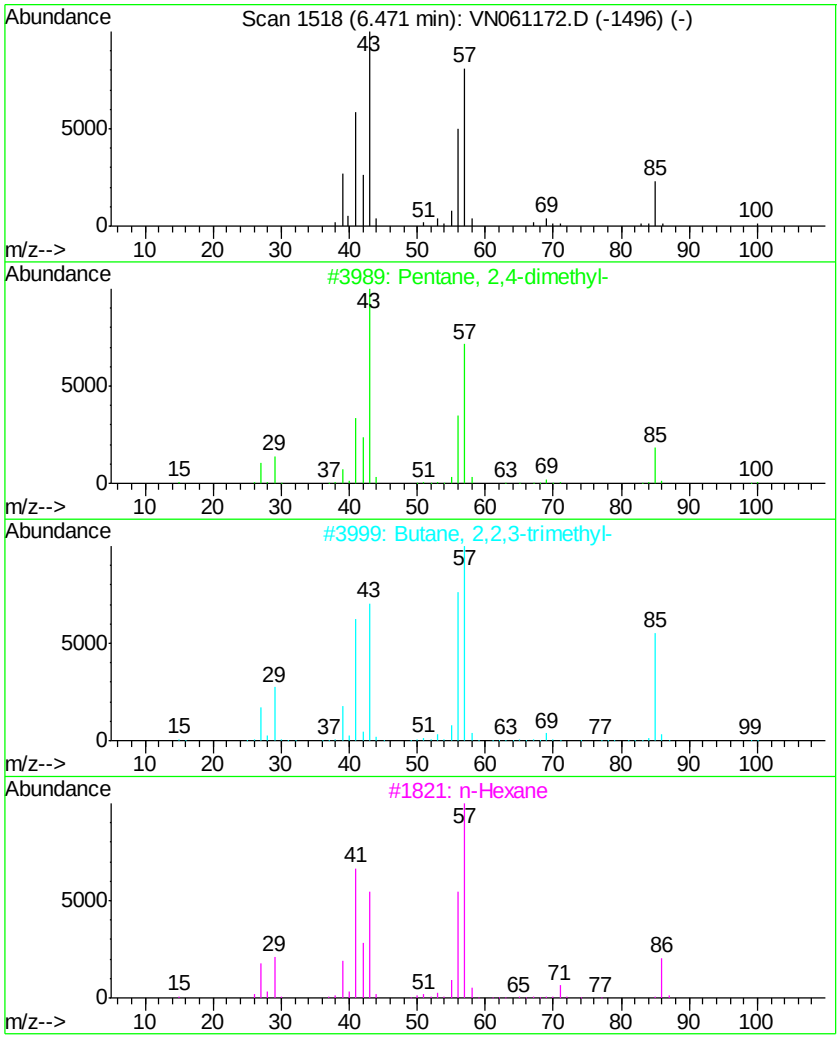
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

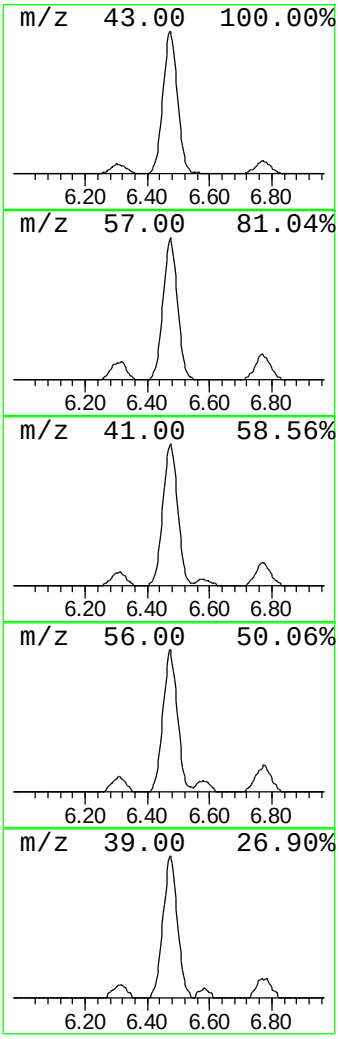
****

Peak Number 3 Pentane, 2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	35.60 ug/l	242553	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
3	n-Hexane	86	C6H14	000110-54-3	53
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

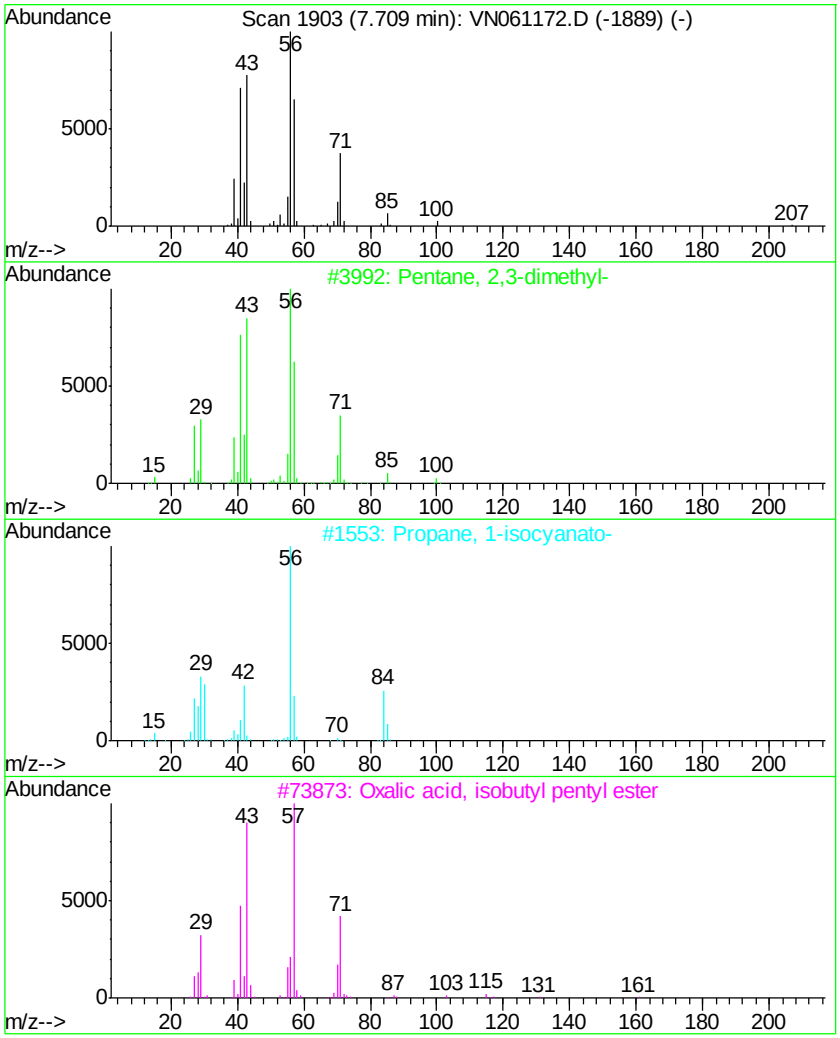
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

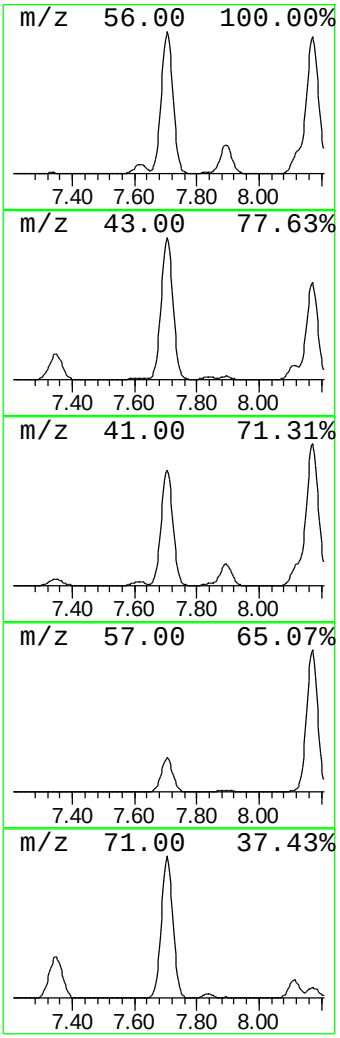
****

Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	69.16 ug/l	471187	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	38
3	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	38
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	37
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

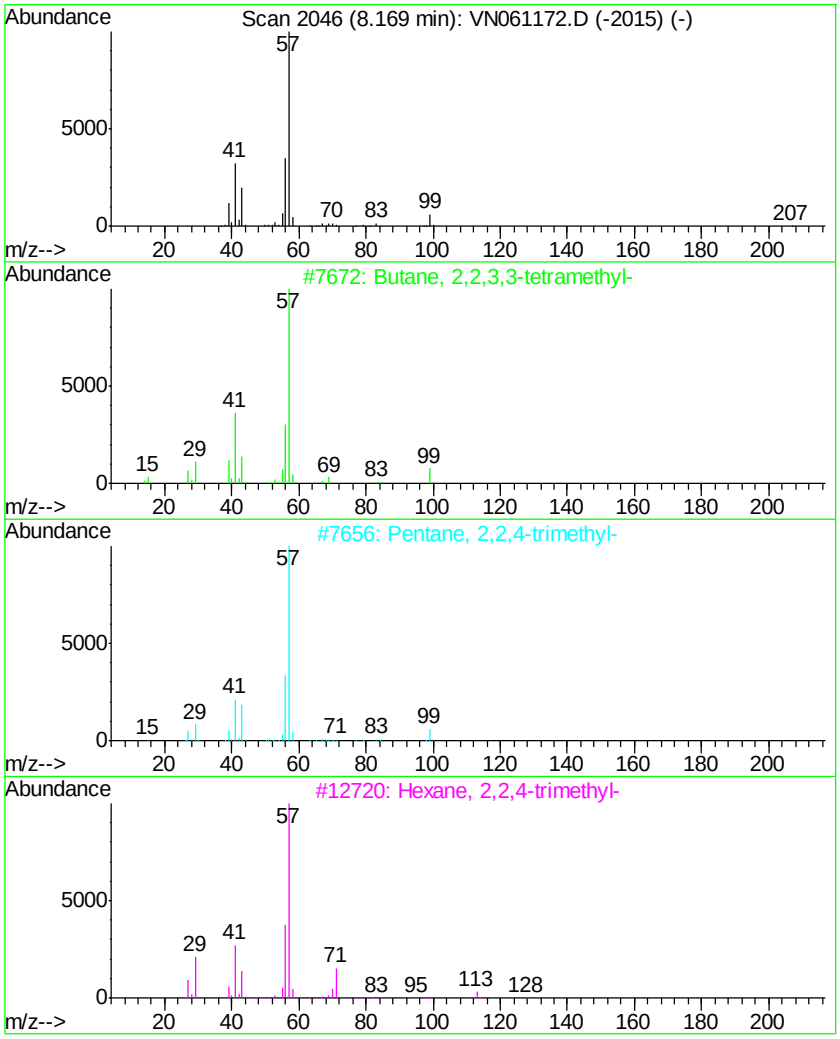
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

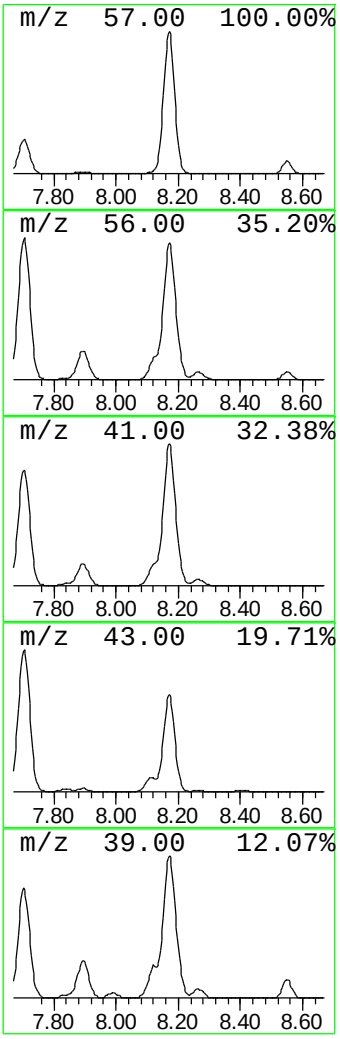
****

Peak Number 5 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	86.48 ug/l	780373	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

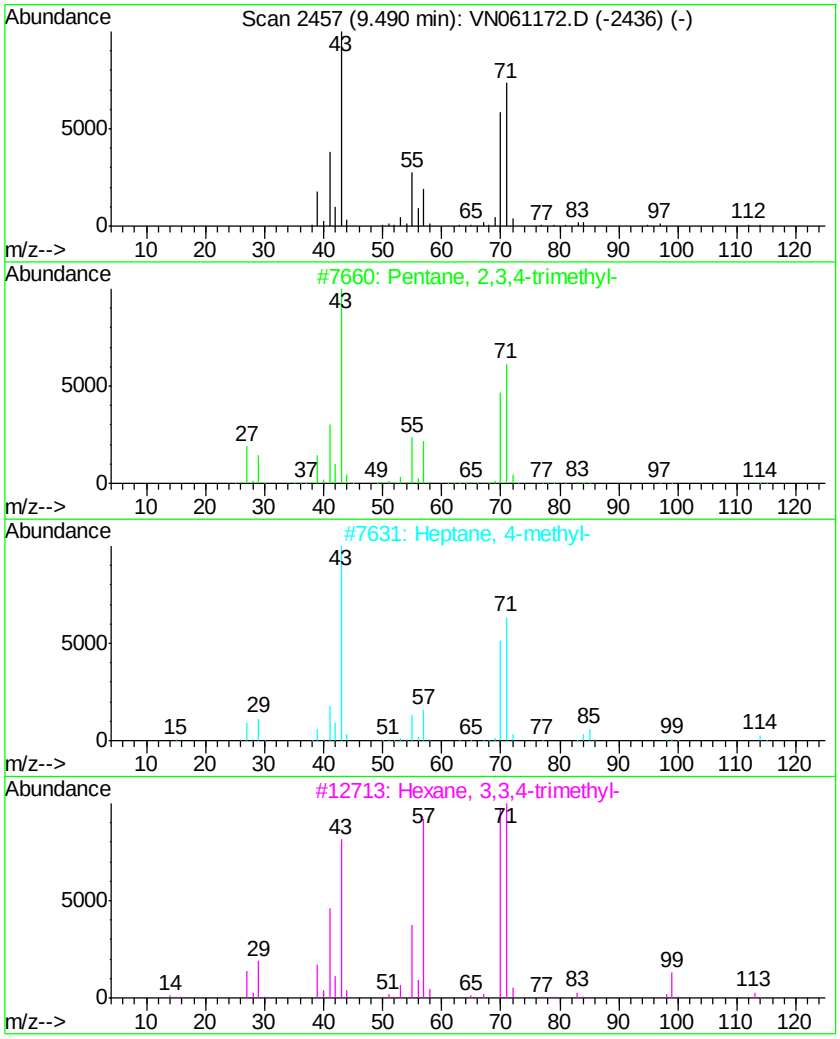
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

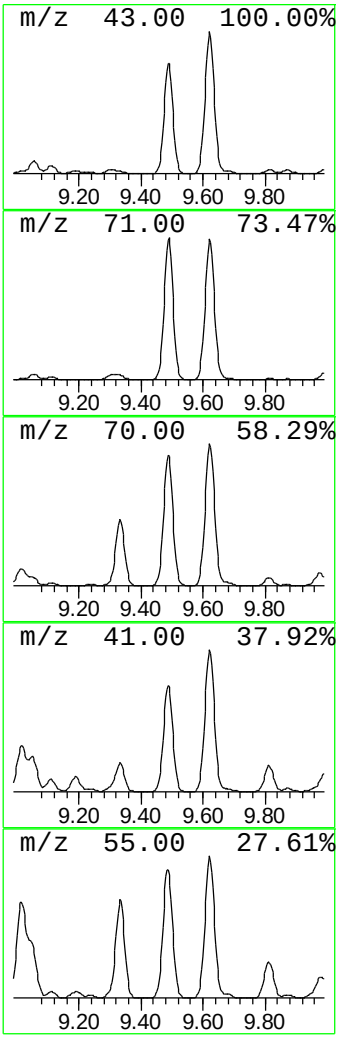
****

Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	45.54 ug/l	410968	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64
4	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	56
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

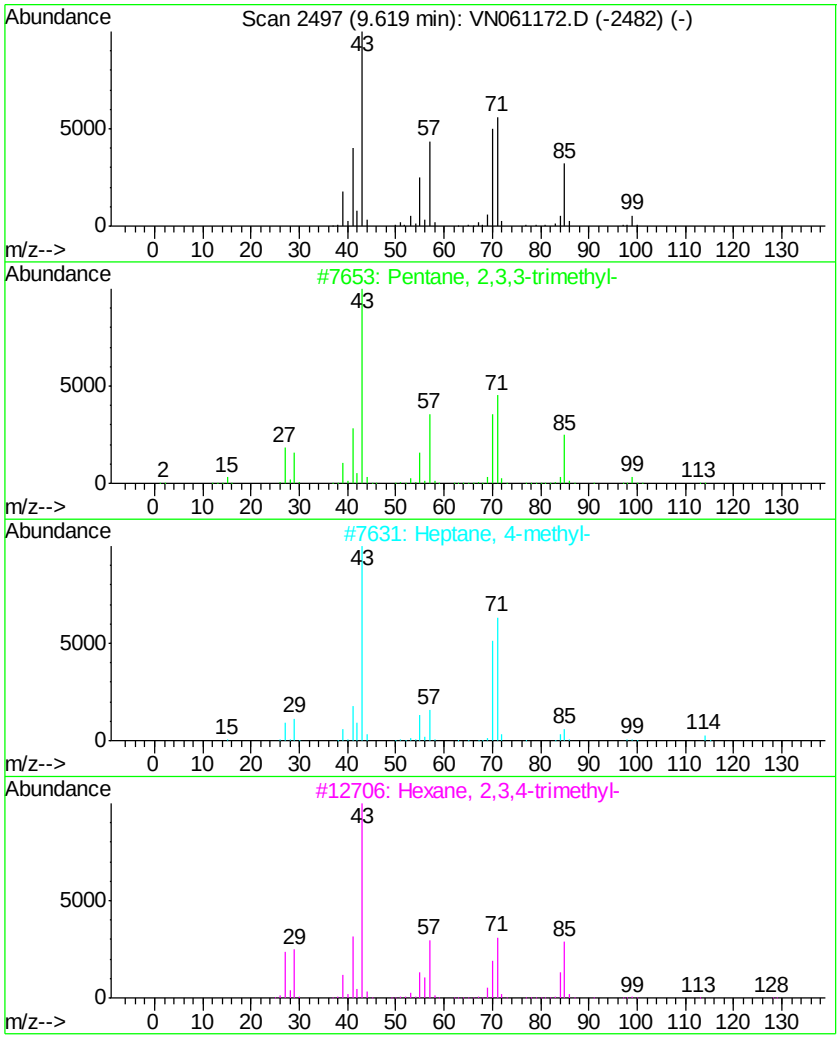
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

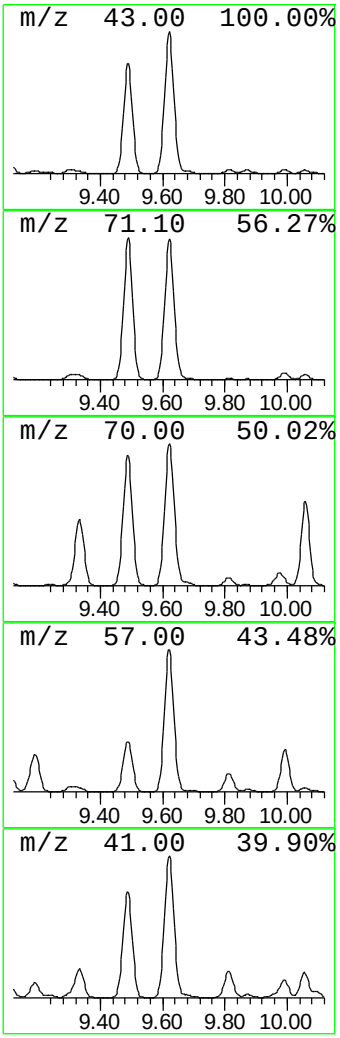
****

Peak Number 7 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	64.05 ug/l	577975	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

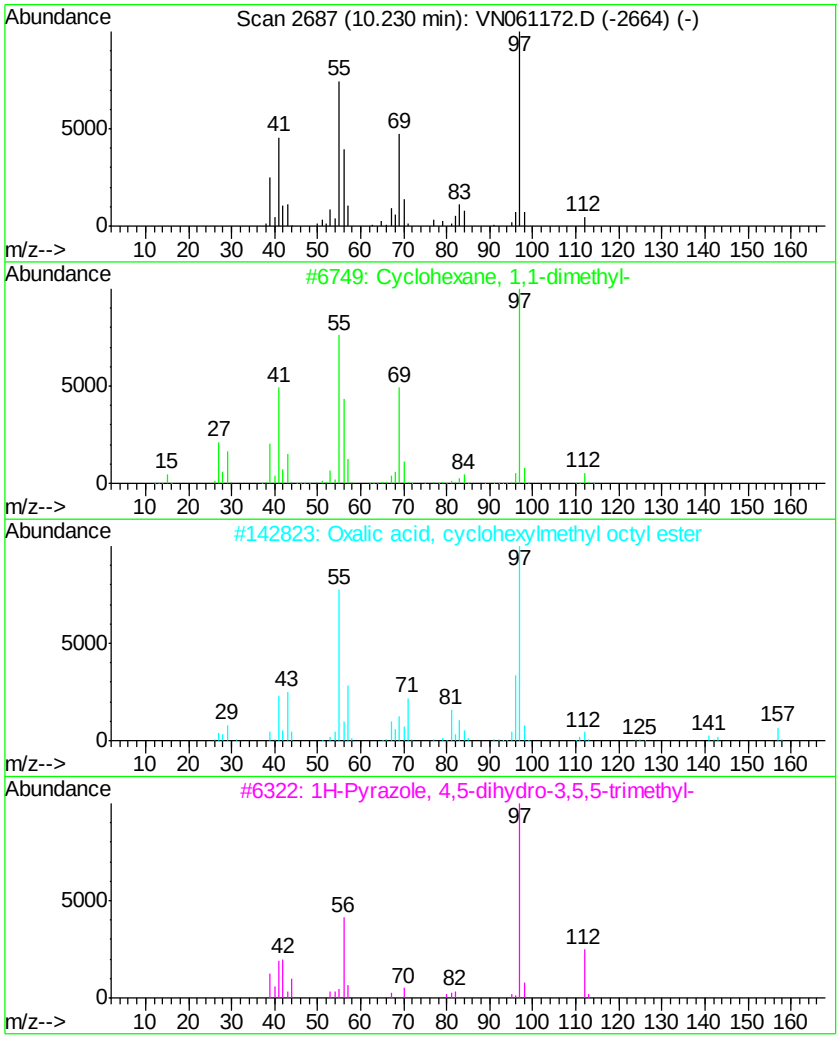
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

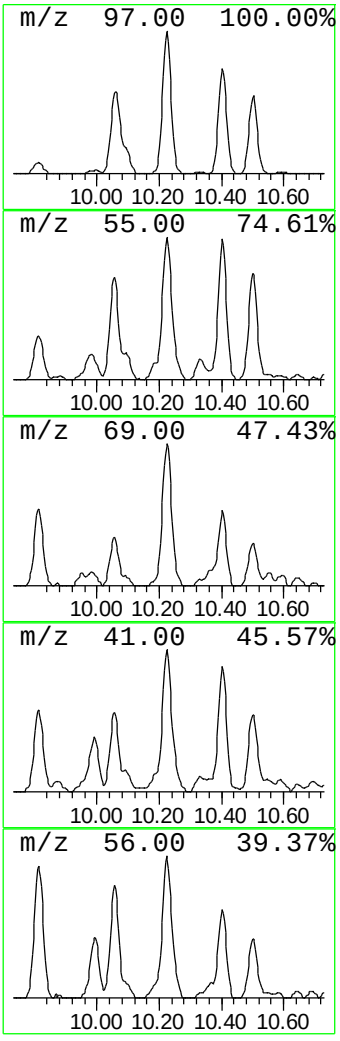
****

Peak Number 8 Cyclohexane, 1,1-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	16.46 ug/l	196872	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	95
2	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	64
3	1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	64
4	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	50
5	1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

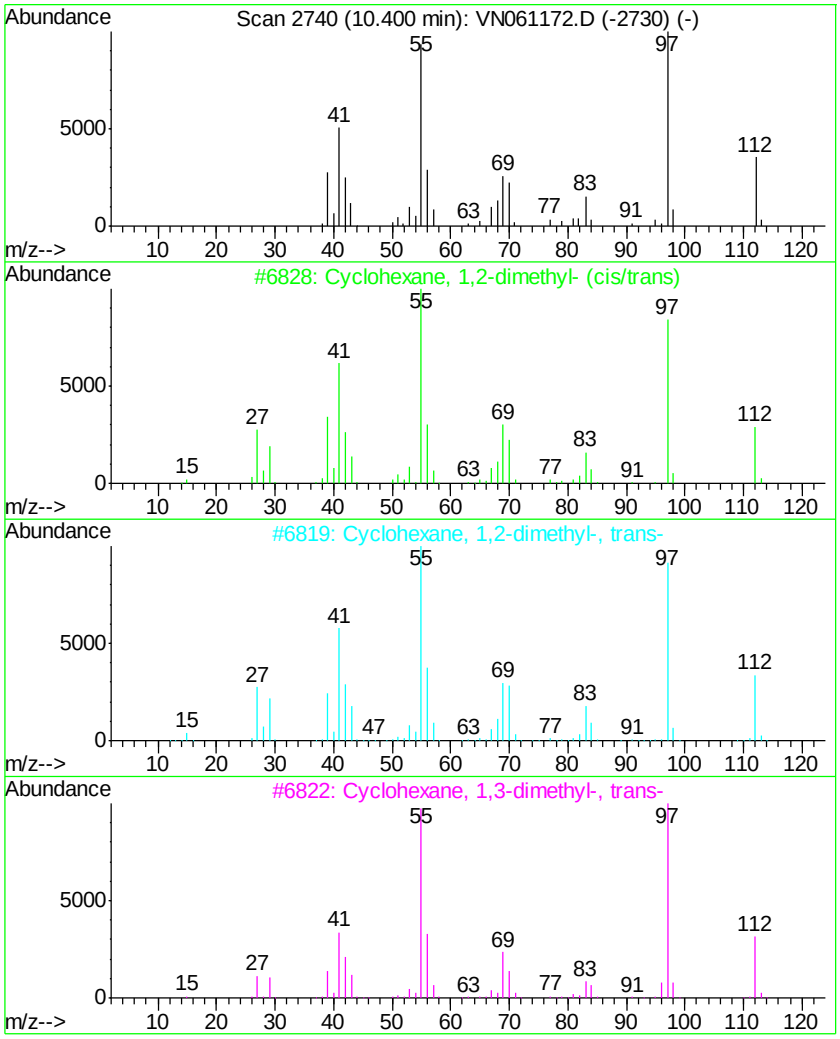
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

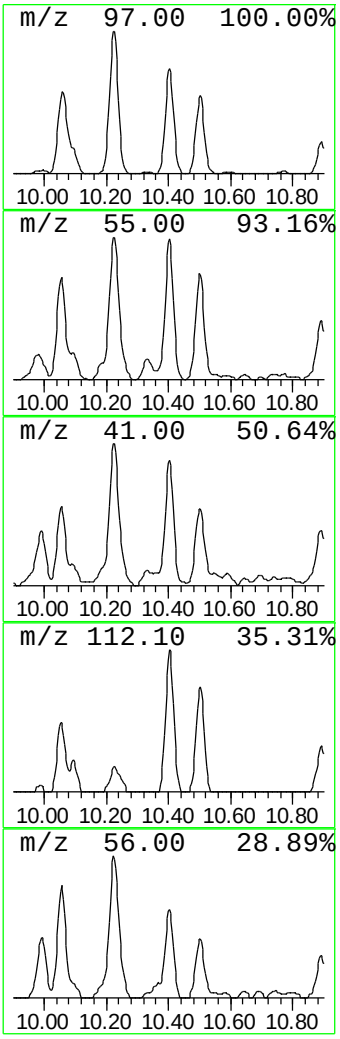
****

Peak Number 9 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	12.01 ug/l	143615	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042820\
Data File : VN061172.D
Acq On : 28 Apr 2020 18:46
Operator : JC/MD
Sample : L2414-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ST006RW149-200422

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2,3-dimet...	4.48	48.3	ug/l	329026	1	7.63	340663	50.0
Pentane, 2,4-dime...	6.47	35.6	ug/l	242553	1	7.63	340663	50.0
Pentane, 2,3-dime...	7.71	69.2	ug/l	471187	1	7.63	340663	50.0
Butane, 2,2,3,3-t...	8.17	86.5	ug/l	780373	2	8.55	451207	50.0
Pentane, 2,3,4-tr...	9.49	45.5	ug/l	410968	2	8.55	451207	50.0
Pentane, 2,3,3-tr...	9.62	64.0	ug/l	577975	2	8.55	451207	50.0
Cyclohexane, 1,1-...	10.23	16.5	ug/l	196872	3	11.38	597906	50.0
Cyclohexane, 1,2-...	10.40	12.0	ug/l	143615	3	11.38	597906	50.0