LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

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\82N111820W.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	2.779	310	323	339	rVB	280289	577337	1.84%	0.792%
2	3.129	415	432	453	rVB5	239119	644676	2.05%	0.884%
3	3.287	466	481	500	rVB	240528	518030	1.65%	0.711%
4	3.525	541	555	582	rVB	374208	909131	2.89%	1.247%
5	4.380	796	821	839	rBV3	103163	327214	1.04%	0.449%
6	5.000	983	1014	1037	rBV3	87718	322860	1.03%	0.443%
7	7.348	1728	1744	1762	rVB2	130743	328306	1.04%	0.450%
8	7.550	1788	1807	1817	rBV2	164195	426863	1.36%	0.586%
9	7.624	1817	1830	1846	rVB	346310	858430	2.73%	1.178%
10	7.997	1925	1946	1970	rBV3	485581	1287226	4.09%	1.766%
11	8.550	2102	2118	2144	rBV	589863	1270015	4.04%	1.742%
12	10.058	2574	2587	2595	rBV	880294	1583120	5.04%	2.172%
13	10.126	2595	2608	2636	rVB	16102022	31434598	100.00%	43.125%
14	11.380	2981	2998	3015	rBV	910758	1603061	5.10%	2.199%
15	11.482	3016	3030	3047	rVV	2251222	3707591	11.79%	5.086%
16	11.592	3048	3064	3094	rVB	6213725	11631045	37.00%	15.957%
17	11.920	3152	3166	3188	rBV	2709073	4451664	14.16%	6.107%
18	12.222	3246	3260	3276	rBV	345157	559982	1.78%	0.768%
19	12.373	3295	3307	3326	rBV	781301	1317208	4.19%	1.807%
20	12.563	3353	3366	3376	rBV	322456	516675	1.64%	0.709%
21	12.627	3376	3386	3393	rBV	922205	1530959	4.87%	2.100%
22	12.707	3403	3411	3427	rVB	492557	796893	2.54%	1.093%
23	12.865	3445	3460	3473	rBV	399515	641275	2.04%	0.880%
24	13.013	3491	3506	3530	rBV	1870577	2911356	9.26%	3.994%
25	13.315	3587	3600	3607	rBV	990856	1743123	5.55%	2.391%
26	13.518	3643	3663	3671	rBV	377836	673727	2.14%	0.924%
27	15.100	4144	4155	4169	rBV	173901	318957	1.01%	0.438%

Sum of corrected areas: 72891322

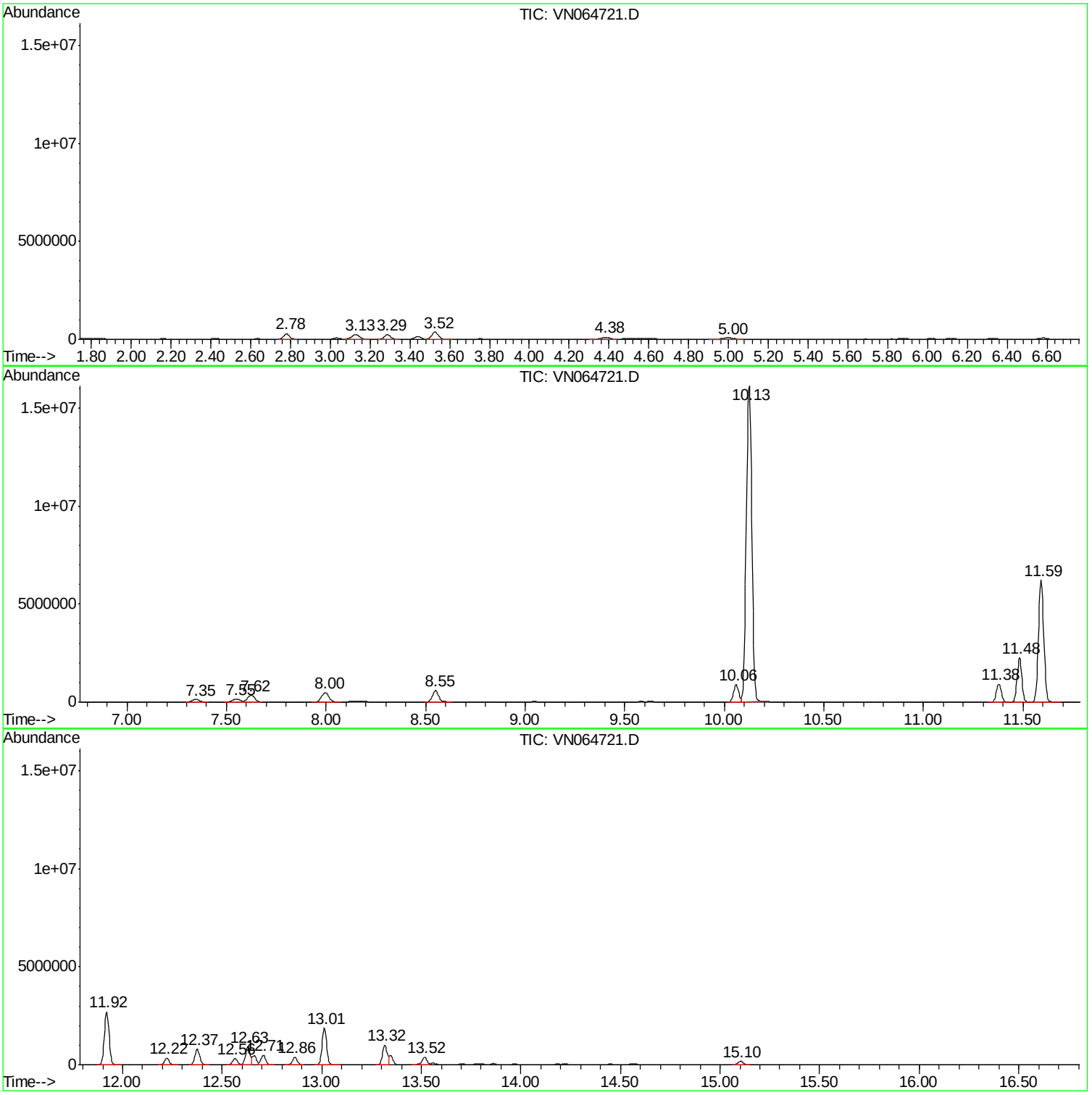
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

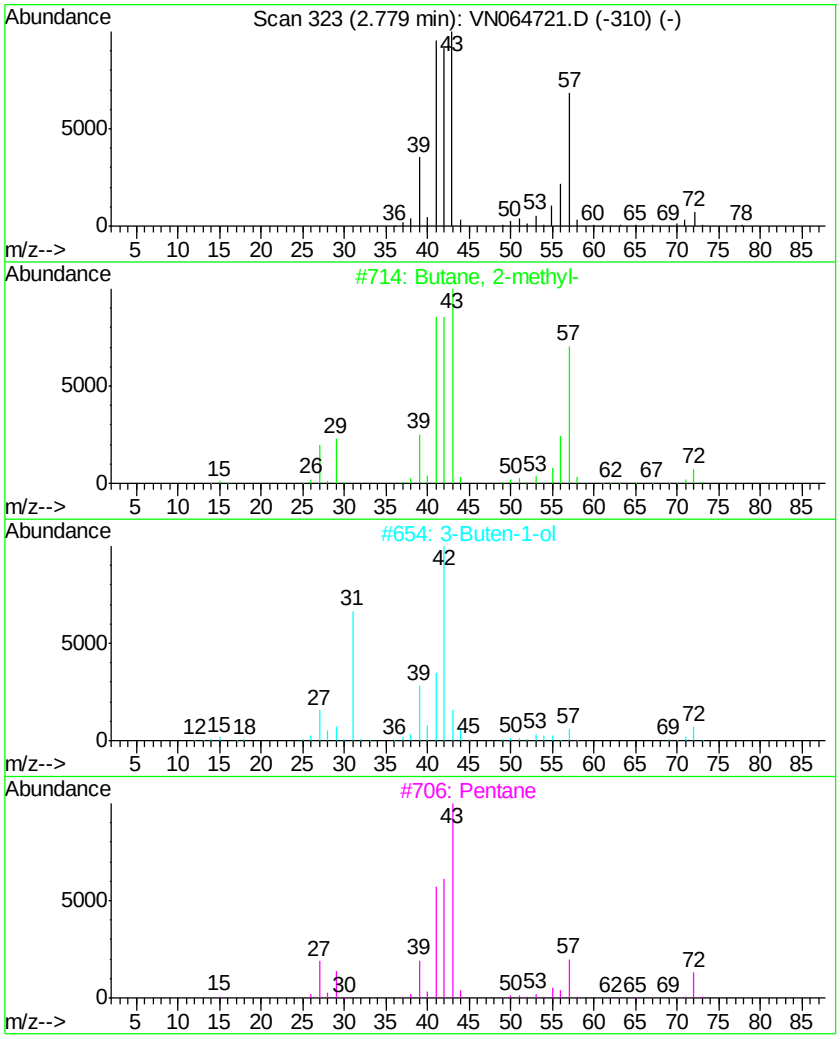
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

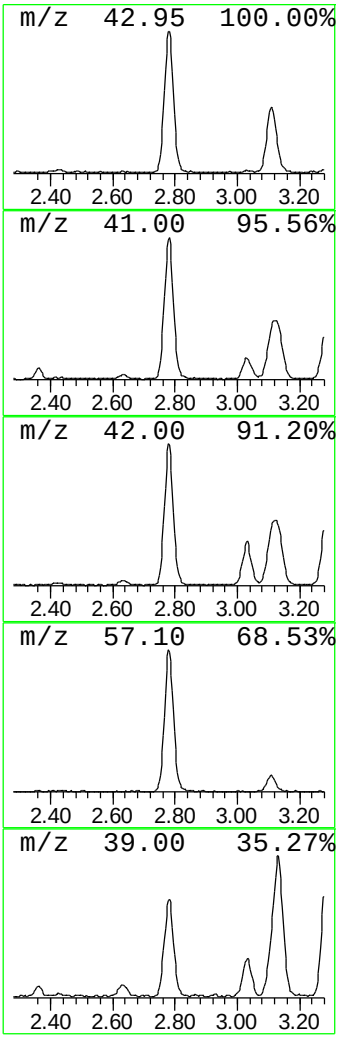
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	33.63 ug/l	577337	Pentafluorobenzene	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	3-Buten-1-ol	72	C4H8O	000627-27-0	38
3	Pentane	72	C5H12	000109-66-0	33
4	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	28
5	Butane, 2-chloro-3-methyl-	106	C5H11Cl	000631-65-2	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

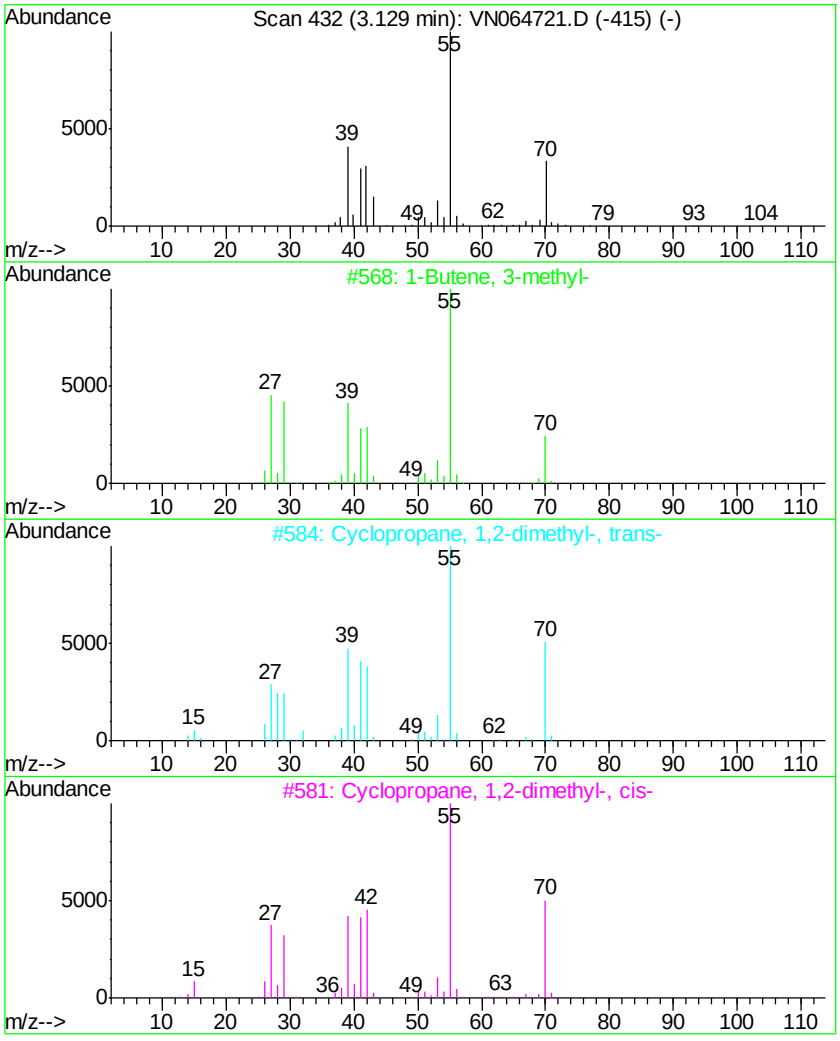
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

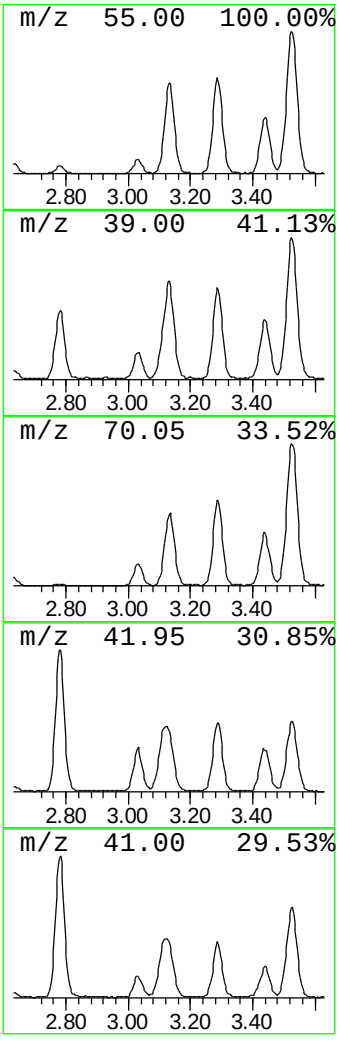
****

Peak Number 2 1-Butene, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	37.55 ug/l	644676	Pentafluorobenzene	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 3-methyl-	70	C5H10	000563-45-1	91
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	86
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

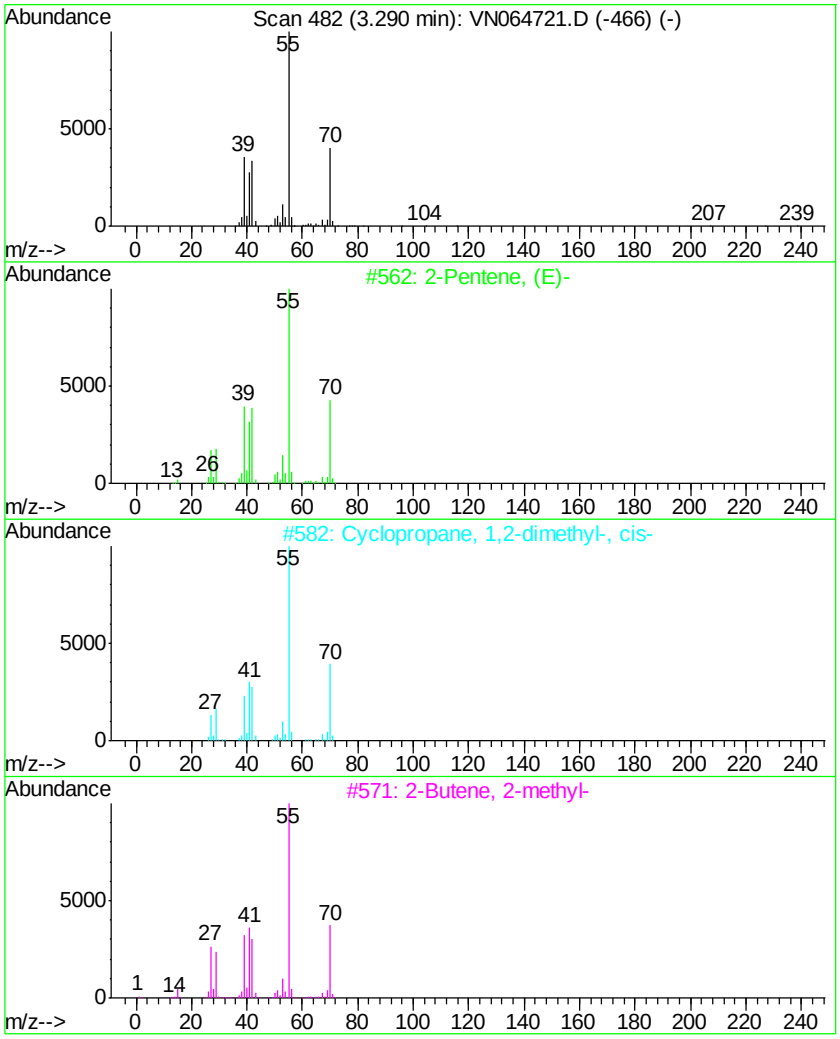
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

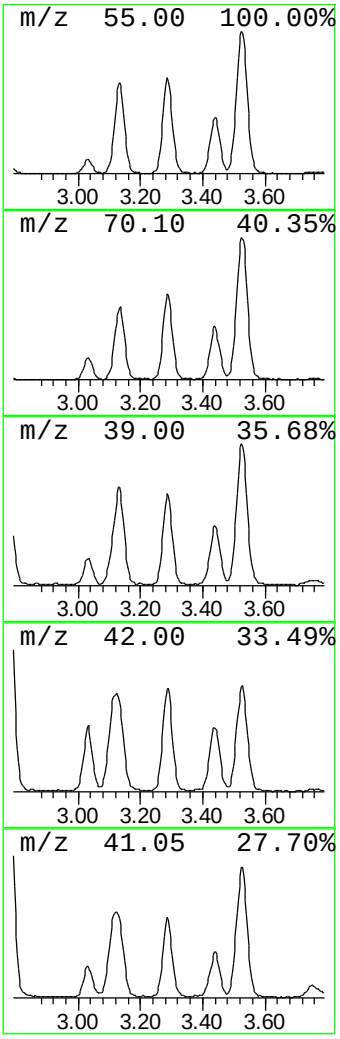
****

Peak Number 3 2-Pentene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	30.17 ug/l	518030	Pentafluorobenzene	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	93
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

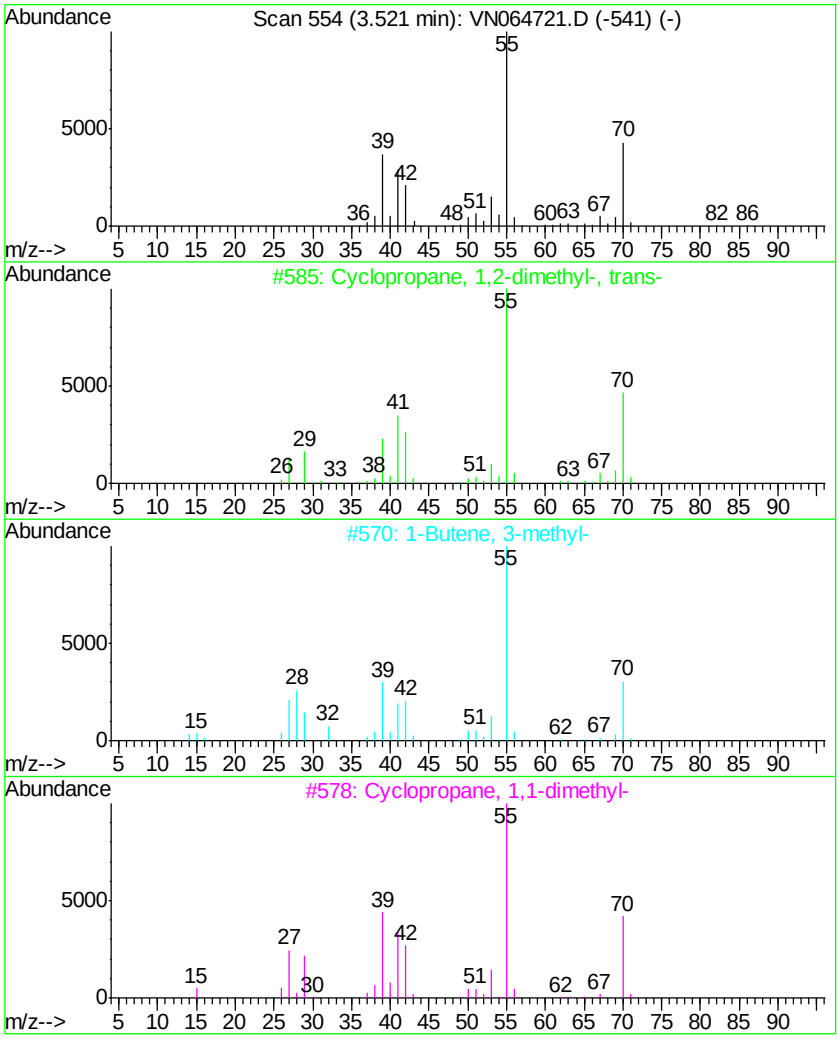
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

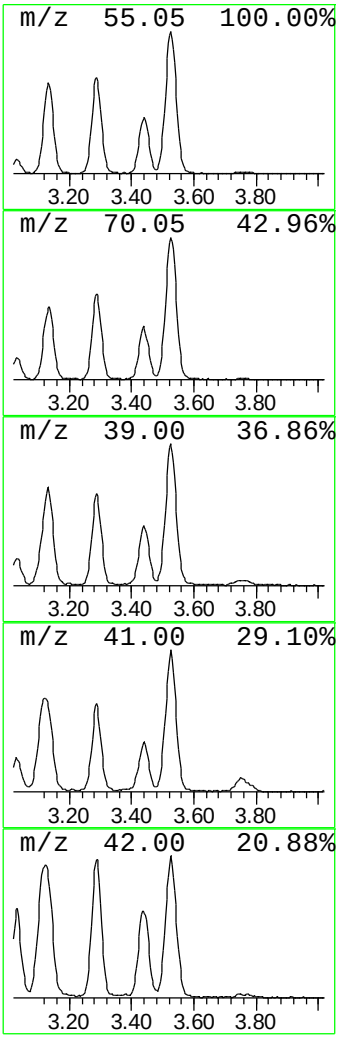
****

Peak Number 4 Cyclopropane, 1,2-dimethyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	52.95 ug/l	909131	Pentafluorobenzene	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
2	1-Butene, 3-methyl-	70	C5H10	000563-45-1	87
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
4	2-Pentene, (E)-	70	C5H10	000646-04-8	80
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

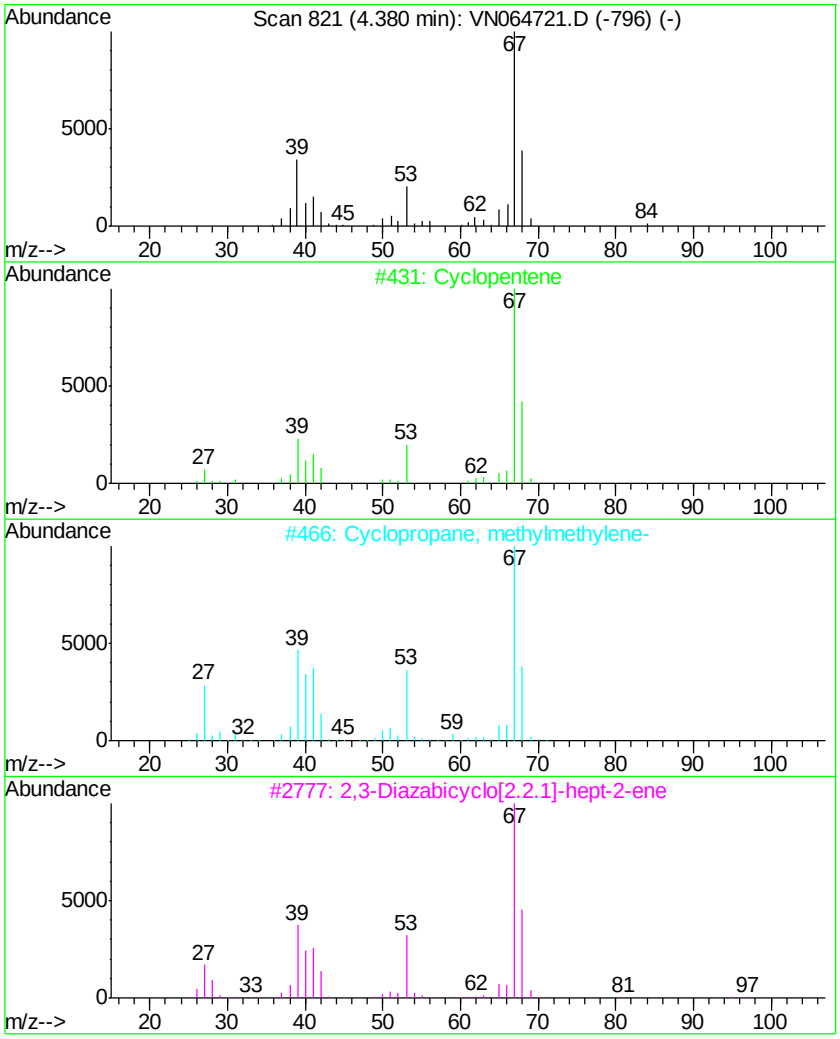
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

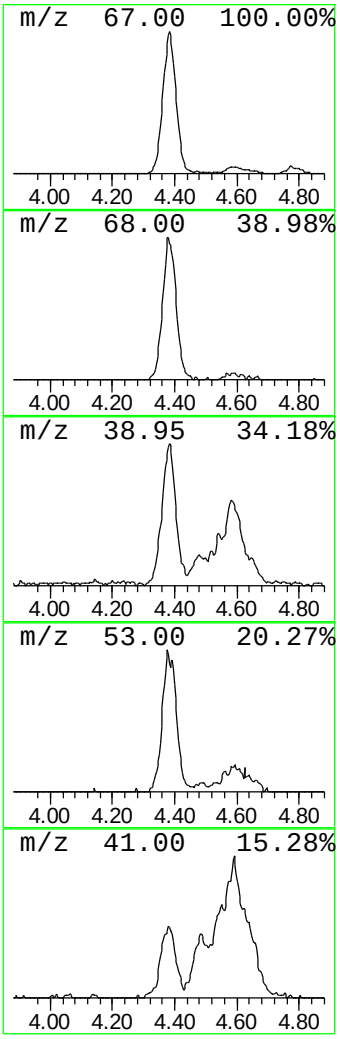
****

Peak Number 5 Cyclopentene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	19.06 ug/l	327214	Pentafluorobenzene	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	Cyclopropane, methylmethylene-	68	C5H8	018631-84-0	78
3	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64
4	Cyclopropane, ethylidene-	68	C5H8	018631-83-9	52
5	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

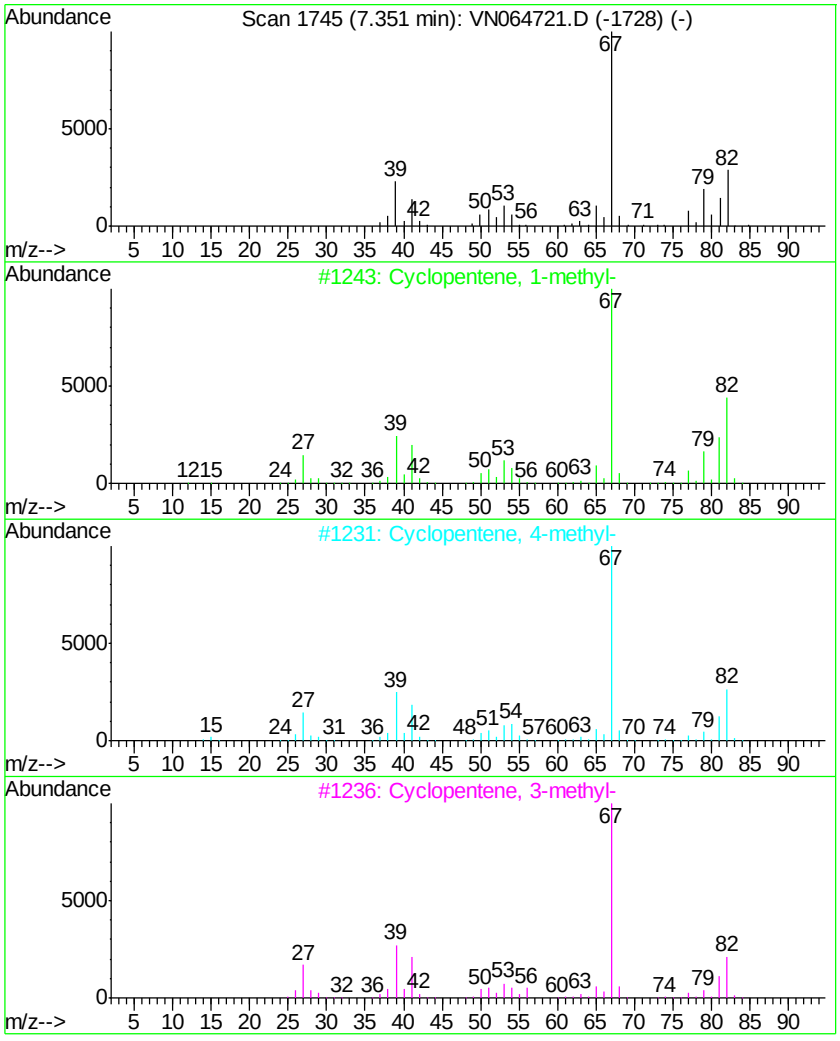
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

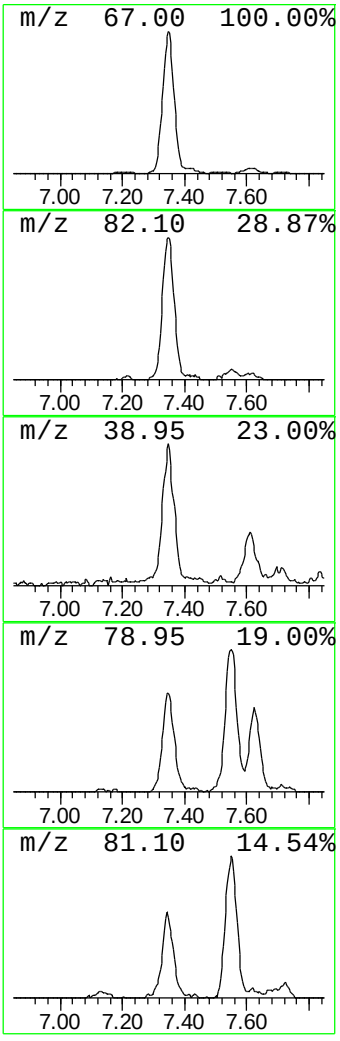
****

Peak Number 6 Cyclopentene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	19.12 ug/l	328306	Pentafluorobenzene	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	81
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	74
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	74
4	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	72
5	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

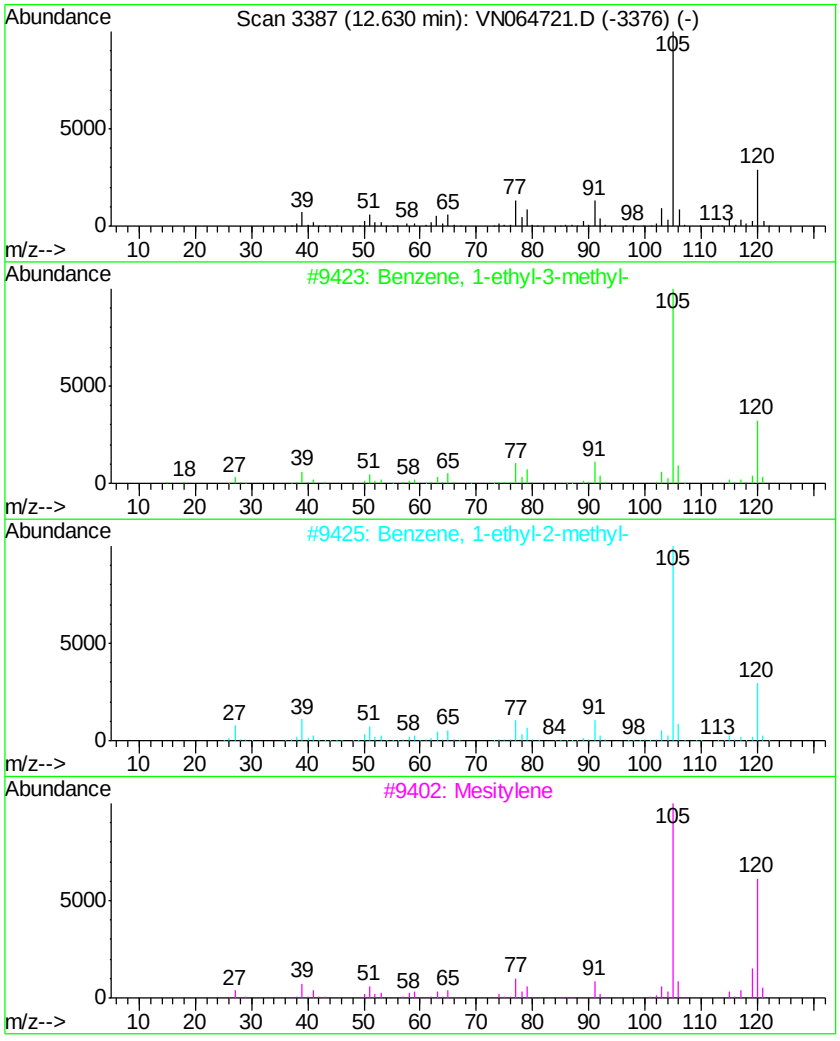
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

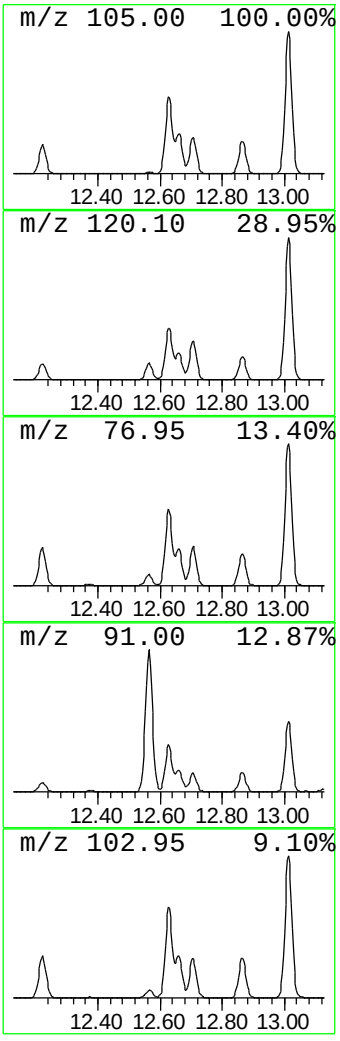
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	43.91 ug/l	1530960	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

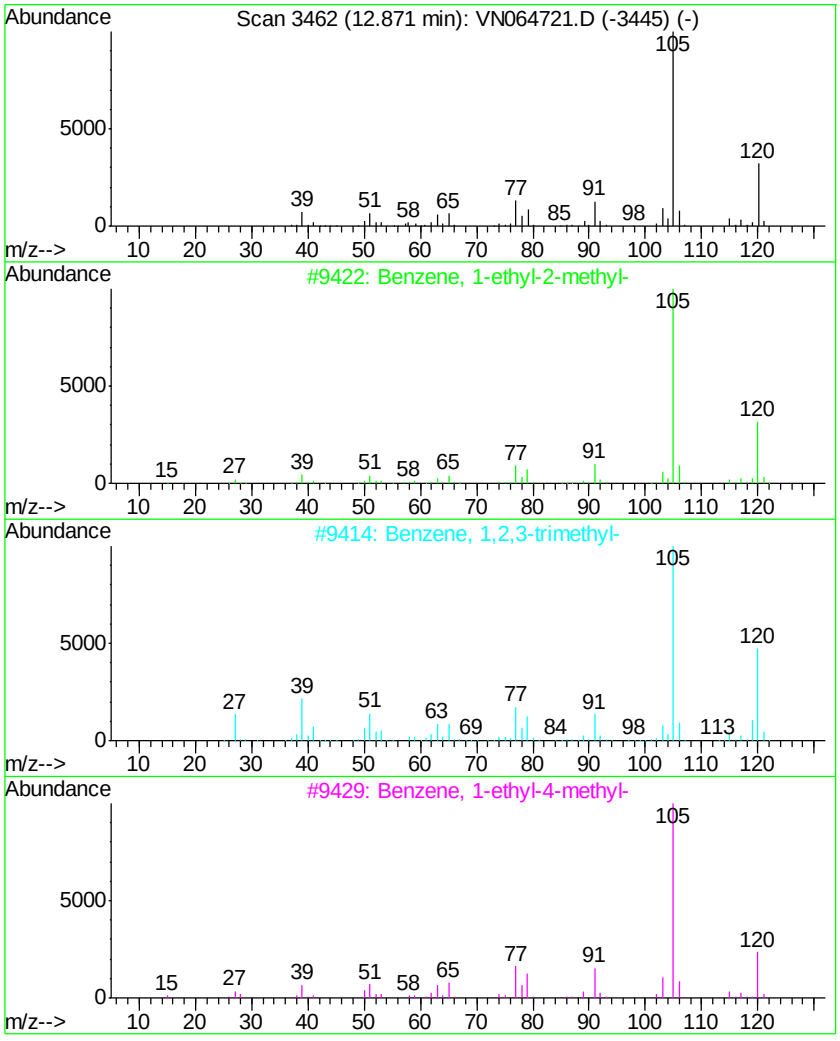
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

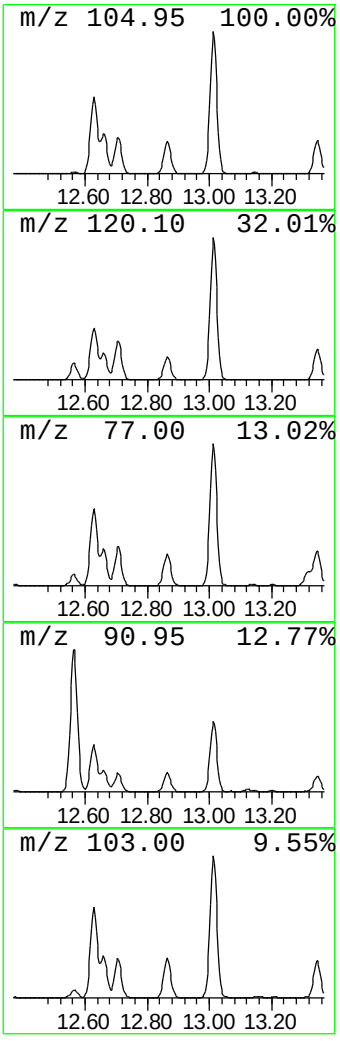
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	18.39 ug/l	641275	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

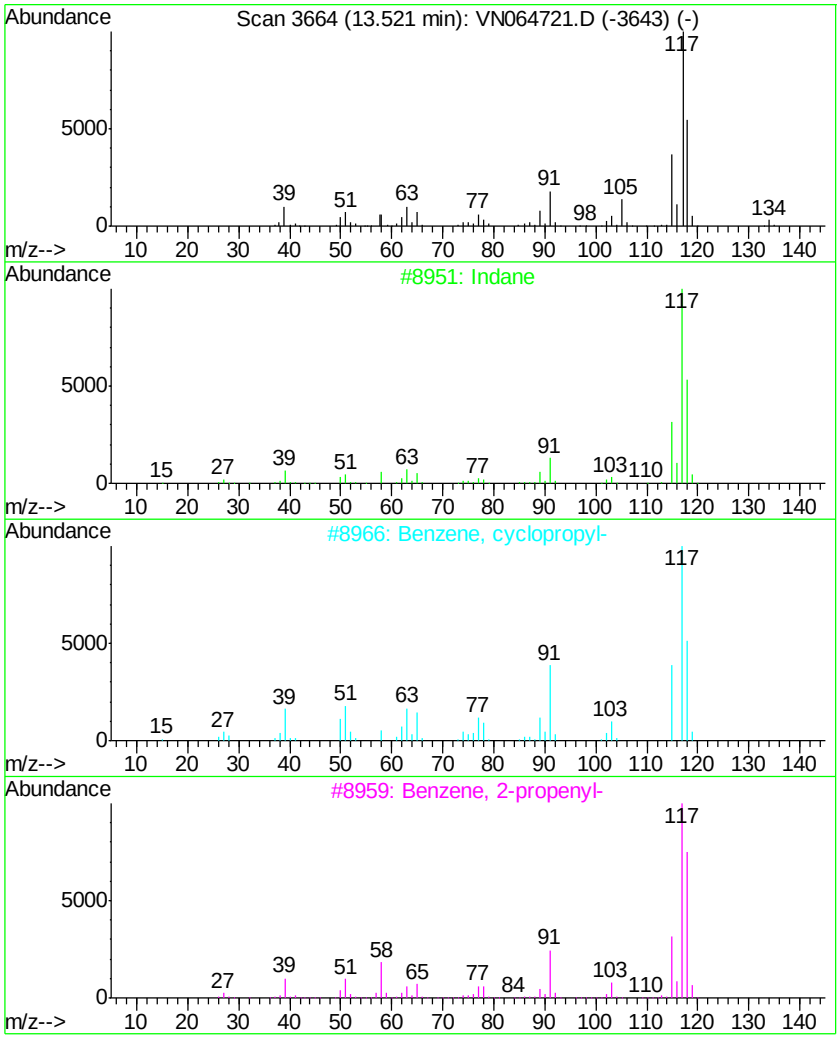
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

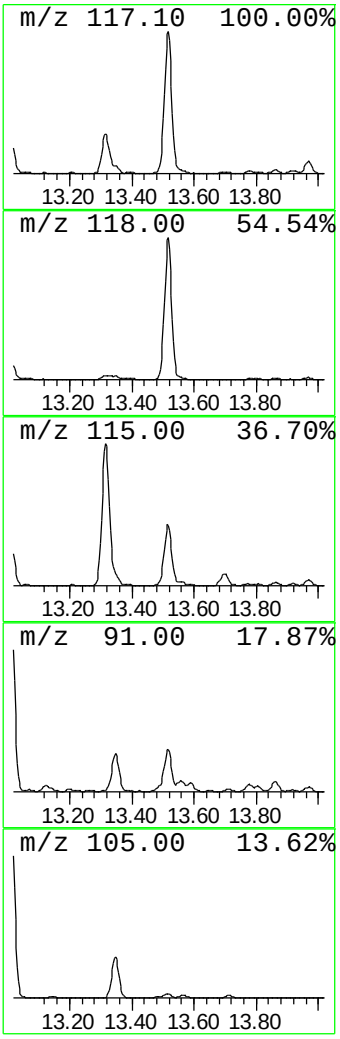
****

Peak Number 9 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	19.33 ug/l	673727	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	89
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	74
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.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-methyl-	2.78	33.6	ug/l	577337	1	7.62	858430	50.0
1-Butene, 3-methyl-	3.13	37.5	ug/l	644676	1	7.62	858430	50.0
2-Pentene, (E)-	3.29	30.2	ug/l	518030	1	7.62	858430	50.0
Cyclopropane, 1,2...	3.52	53.0	ug/l	909131	1	7.62	858430	50.0
Cyclopentene	4.38	19.1	ug/l	327214	1	7.62	858430	50.0
Cyclopentene, 1-m...	7.35	19.1	ug/l	328306	1	7.62	858430	50.0
Benzene, 1-ethyl-...	12.63	43.9	ug/l	1530960	4	13.32	1743120	50.0
Benzene, 1-ethyl-...	12.87	18.4	ug/l	641275	4	13.32	1743120	50.0
Indane	13.52	19.3	ug/l	673727	4	13.32	1743120	50.0